M.O. Form 2373

SECRET

THE DAILY WEATHER REPORT

BRITISH SECTION

1st April to 30th June,

1942

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

INTRODUCTION

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Cloud Form Abbreviations

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

Cloud Amount — Columns 13, 14, 28, 29

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

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

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

Code for State of Sea (S)—Column 32

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

Rainfall—Columns 36, 37

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

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

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

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

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

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

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

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

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

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

GALE WARNINGS*

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

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

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

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

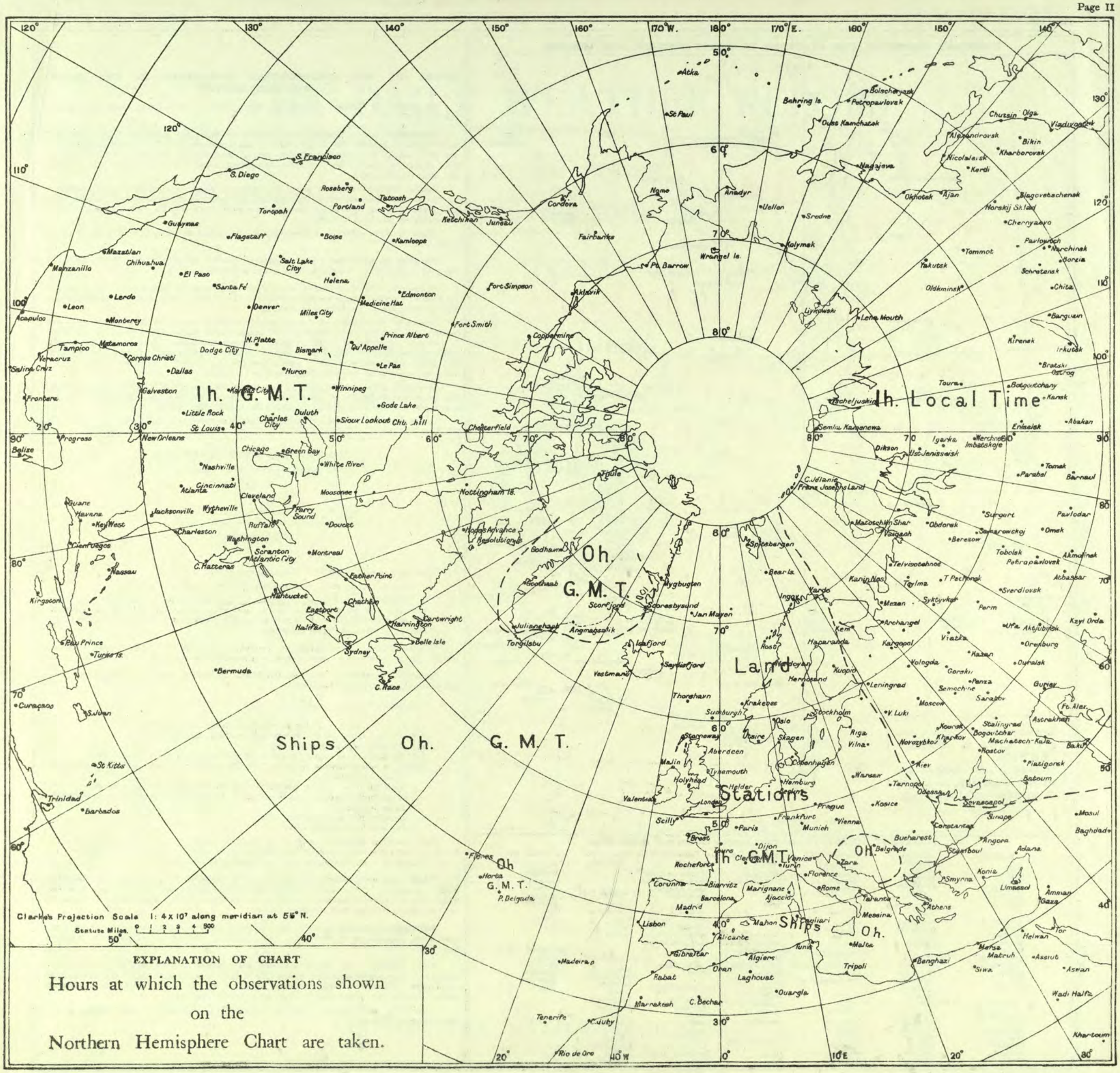
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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

▲ North Cone hoisted : ▼ South Cone hoisted :

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

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



EXPLANATION OF CHART

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

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND.

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

FORECAST DISTRICTS and the Counties comprised within them

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14. *Mid Scotland.*
Perth.

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

16. *Orkneys and Shetlands.*

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

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

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

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

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT

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

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

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

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

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

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

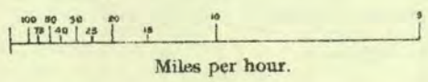
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the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

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

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

GEOSTROPHIC WIND SCALE FOR

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



Miles per hour.

This scale applies under the following conditions:—

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

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

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

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

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

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

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

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

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

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

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

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

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

Ps. 425/4315. We.8143A. D.2553. Gp.948/3. 250. 9/42

DUPLICATE SECRET

METEOROLOGICAL OFFICE
AIR MINISTRY.
-4 AUG 1971
LIBRARY

THE DAILY WEATHER REPORT

MONTHLY SUPPLEMENT,

OF THE METEOROLOGICAL OFFICE, LONDON

June 1942 No. 306a.

Dry and sunny, except in Scotland

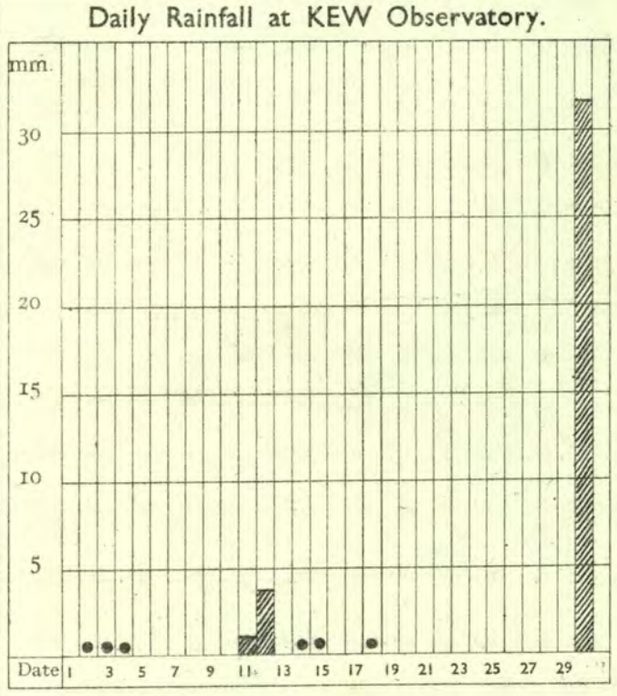
A depression to the northwest of Ireland moved northwards during the first few days, followed by an anticyclone spreading from the South, bringing much warmer weather generally. Some high maxima were recorded, notably 87°F at Sealand on the 5th, and 88°F at Croydon and South Farnboro' on the 6th. A low pressure system to the Northeast moved eastwards on the 7th and 8th, causing gales in North Ireland and North Scotland. From the 9th to 11th an Atlantic anticyclone maintained cooler conditions over the country especially at night, with screen minima of 32°F at Mildenhall and Eskdalemuir, and 33°F at Aldergrove. A grass min. reading of 23°F was recorded at Mildenhall and many places reported ground frosts. A disturbance off Southern England moved northwards and influenced most of England from 12th to 15th. Particularly low maxima were reported from many stations on the 12th, within the range 44°-53°F.

Frontal systems from centres to the Northwest and North moved across the northern half of the British Isles from the 16th to 23rd, but an anticyclonic situation was more or less maintained in the South, with maxima reaching above 80°F on the 22nd-23rd. From the 24th - 26th an Atlantic anticyclone extended its influence over most of the country with cool northerly winds and the passage of fronts from an Icelandic disturbance brought showery conditions to the North from 27th to 28th.

The final days of the month saw the development of a shallow depression over Southern England, with thunderstorms, particularly in the London area, on the 30th. Temperatures generally returned to higher levels in England, with a max. reading of 86°F at South Farnboro' and a night min. reading of 62°F at Kew. A few other thunderstorms were reported during the month but were mainly slight or local in character. Although sunshine approached the record at some places (it was exceeded at Shoeburyness) the measurements in Scotland were below the average, the exposure at Stornoway being the lowest for June since 1881.

Rainfall was deficient in many parts of the country, a new low value at Birmingham being recorded. A period of absolute or partial drought was again established at some stations for the second time this year.

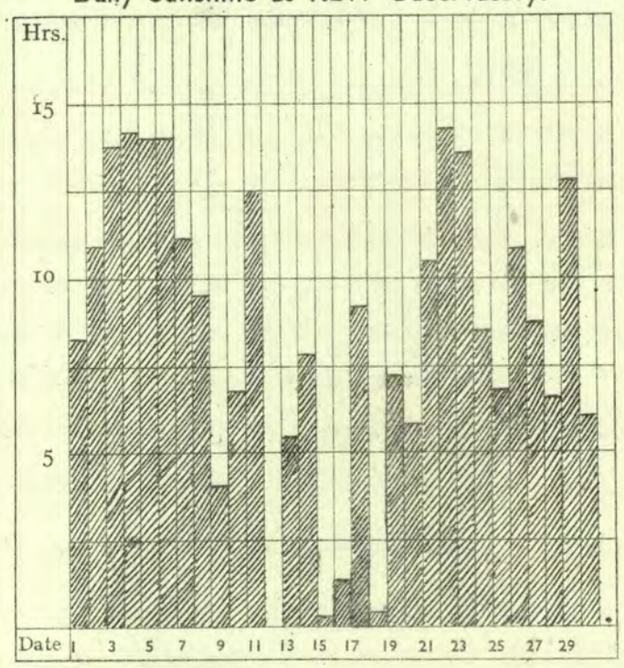
Daily Rainfall at KEW Observatory.



● = less than 0·5 mm.

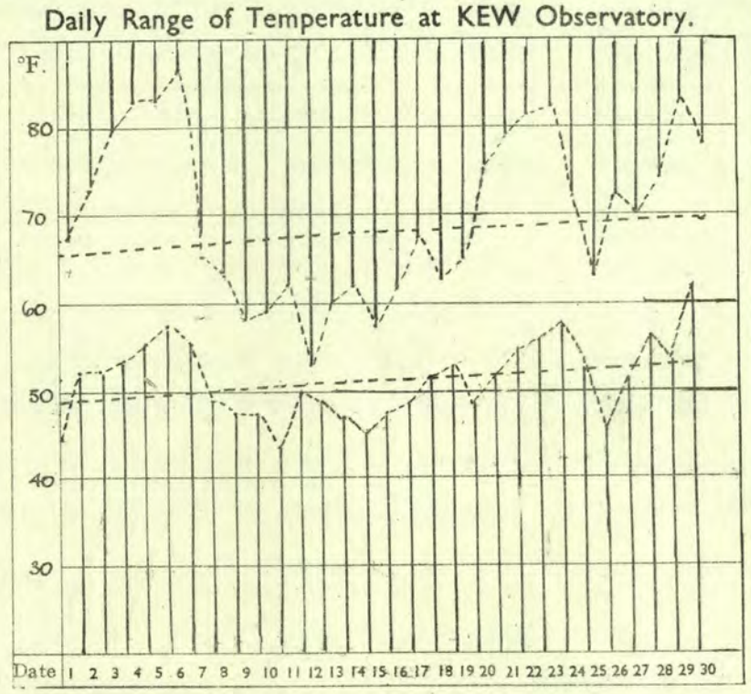
RAINFALL. Total for Month. 36 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 244 hrs.

Daily Range of Temperature at KEW Observatory.



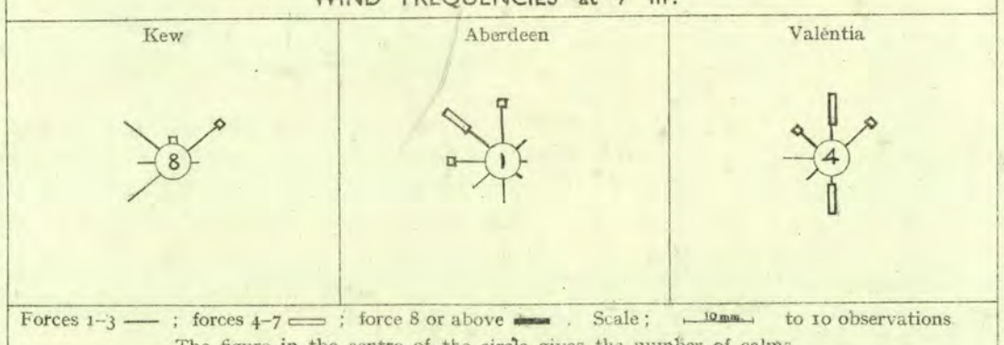
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

Stations.	Pressure: Mean	Pressure: Difference from average	Temperature: Mean	Temperature: Difference from average
	mb	mb.	°F.	°F.
Kew	1019·9	+3·2	60·1	+0·2
Aberdeen	1018·4	+2·7	53·5	+0·3
Valentia	1022·3	+5·6	56·6	+0·1

* 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 ...	4,200
Aberdeen ...	5,505
Lerwick ...	12,455
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°	87° or above	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	4	11	6	9	0	68·0	0	0	13	16	1	51·3	86	6	53	12	62	30	43	11	3	0	20	0	0	24	0	0	26	0	0	0	0	2	5	0	0	0	0	24
	Croydon ...	0	4	10	7	8	1	67·4	0	3	14	13	0	50·3	88	6	53	12	59	30	39	1	0	3	12	3	1	22	0	1	24	0	0	0	0	1	12	0	0	0	0	25
	Thorney Island	0	1	17	9	3	0	65·4	0	4	15	11	0	52·0	85	5	55	12	58	24	41	9,10 14,15	0	1	10	2	0	17	4	1	15	3	0	0	0	0	24	0	0	0	0	27
	Lympne ...	0	5	14	9	2	0	63·7	0	7	14	9	0	49·2	80	6	57	15	59	23	37	26	*	2	9	3	0	21	1	1	9	5	0	0	0	0	22	0	0	0	0	22
2	Shoeburyness...	0	3	12	13	2	0	66·6	0	3	16	10	1	49·7	80	30	56	12	60	30	38	26	1	0	11	1	0	20	0	1	13	0	0	0	0	1	15	0	0	0	0	20
	Gorleston ...	0	12	18	0	0	0	62·6	0	0	15	15	0	51·1	68	2	52	12	58	23	42	9,10	0	1	15	0	1	20	0	1	20	1	0	0	0	0	20	0	0	0	0	24
	Cranwell ...	0	7	10	8	5	0	66·0	0	4	15	11	0	47·8	84	4	51	13	57	5,22	39	12	2	3	11	2	2	22	3	2	17	3	0	0	0	0	10	0	0	0	0	17
3	Birmingham ... (Edgbaston)	0	7	10	6	7	0	64·9	0	0	14	14	2	49·5	84	4,6	54	13	62	6	42	14	2	1	17	2	0	26	0	0	22	0	0	0	0	7	8	0	0	0	0	25
4	Ross-on-Wye...	0	5	11	8	6	0	67·0	0	4	13	13	0	49·3	84	5,6	58	9,12	57	5	37	14	1	1	20	0	0	29	0	0	23	0	0	0	0	0	19	0	0	0	0	29
5	The Lizard ...	0	11	18	1	0	0	*	0	0	14	16	0	*	70	6	52	12	59	5	44	9,15	*	5	25	0	1	26	0	2	25	0	0	0	4	0	26	0	0	1	0	27
7	Holyhead ... (Valley)	0	11	16	1	2	0	59·4	0	4	15	11	0	51·3	83	5	55	12,13	55	21,22,23,29	37	13	2	6	18	0	3	22	0	3	21	0	0	0	0	1	26	0	0	0	0	28
8	Chester ... (Sealand)	0	9	13	5	3	0	65·1	0	3	14	12	1	48·6	81	6	54	13	62	6	37	14	3	0	23	1	1	26	1	0	20	4	0	0	0	2	16	0	0	0	0	22
10	Tynemouth ...	3	12	11	3	1	0	59·7	0	0	16	13	1	49·3	86	6	49	12,15	66	4	42	1	0	0	24	0	0	26	0	0	24	0	0	0	0	4	16	0	0	0	0	18
11	Leuchars ...	1	6	16	6	1	0	61·7	0	3	19	7	1	46·1	78	6	48	12	63	6	38	11	0	3	20	1	2	28	0	4	24	1	0	0	0	0	24	0	0	0	0	25
12	Renfrew ...	1	8	14	6	1	0	63·0	0	5	16	9	0	46·6	78	5	49	12	56	22	38	1,11	0	2	23	2	1	28	0	1	27	1	0	0	1	1	13	0	0	0	0	27
	Eskdalemuir ...	2	10	15	2	1	0	61·1	2	10	13	5	0	43·7	79	5	44	12	54	29	31	1	3	8	19	0	3	26	0	3	26	0	0	0	2	0	21	0	0	1	1	27
13B	Stornoway ...	3	22	5	0	0	0	57·0	0	5	18	7	0	46·7	66	5	48	8	52	3,22	37	10,12	*	2	28	0	0	30	0	0	30	0	0	1	1	0	25	0	0	0	0	28
15	Aberdeen ...	2	13	11	3	1	0	59·5	0	6	14	10	0	46·9	79	6	50	12,14	55	3	39	11,16	2	1	26	0	3	26	0	1	27	0	0	0	1	1	25	0	0	0	1	25
18	Aldergrove ...	0	10	12	7	1	0	63·2	0	6	15	9	0	47·9	81	5	55	8	57	21	33	10	3	1	25	1	0	29	0	0	28	1	0	0	0	0	27	0	0	0	0	30
19	Birr Castle ...	0	6	14	8	2	0	64·5	0	6	11	13	0	48·3	83	5	56	9	59	21,29	33	7	0	2	23	0	1	25	0	2	26	0	0	0	0	0	30	0	0	0	0	30
20	Valentia ... (Cahirciveen)	0	13	14	2	1	0	61·6	0	1	10	19	0	51·4	81	5	53	10,13	57	20	40	14	0	6	22	0	2	24	1	1	24	2	0	0	0	0	27	0	0	0	0	29

UPPER AIR TEMPERATURE.

Pressure. mb.	Normal Height. Feet.	Bircham Newton. Normal Temp. °F.	Mean. °F.	No. of Reports.	Aldergrove. Mean. °F.	No. of Reports.	Penzance. Mean. °F.	No. of Reports.
950	1850	52·6	51·1	60	48·5	60	52·2	30
850	4960	42·3	41·7	60	40·9	60	45·9	30
750	8170	33·6	34·5	60	34·7	60	39·2	30
650	11890	22·9	24·5	60	23·2	60	27·7	30
550	16110	9·1	10·3	60	9·1	60	13·8	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 (kilometres per hour)	Plymouth (Mt. Batten). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100 (kilometres per hour)	Holyhead (Valley). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100 (kilometres per hour)	Renfrew. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100 (kilometres per hour)	Station. Height. Metres.
500 above ground	104	44	51	5	0	0	46	26	15	1	0	0	18	11	5	0	0	0	9	8	1	0	0	0	500 above ground
1000 above M.S.L.	100	53	44	2	0	0	43	25	12	3	0	0	13	9	3	0	0	0	6	5	1	0	0	0	1000 above M.S.L.
2000 ,, ,,	77	40	30	1	0	0	11	7	4	0	0	0	3	3	0	0	0	0	2	0	2	0	0	0	2000 ,, ,,
3000 ,, ,,	53	29	17	3	0	0	7	3	4	0	0	0	2	2	0	0	0	0							3000 ,, ,,
4000 ,, ,,	34	17	15	1	1	0	5	4	0	1	0	0	1	1	0	0	0	0							4000 ,, ,,

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

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

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

SUNSHINE, RAINFALL, AND HUMIDITY ..... June ..... 1942.

District.	Stations.	Sunshine: Number of Days with Duration: Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration: Hours.	Date.	Total for past 12 months. Hours.	Difference from average. Hours.	Total for Month. Hours.	Difference from average Hours.	Highest and Lowest Totals on record for Month: First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.
1	London ... (Kew Obsy).	1	4	5	6	14	14·2	22	1522	+53	244	+41	1880	277	1940	105	1909
	Croydon ...	1	3	4	7	15	15·0	4	1652	+127	273	+62	1922	278	1925	112	1923
	Thorney Island	*	*	*	*	*	*	*	*	*	*	*	1941	*	*	*	*
	Lympne ...	0	3	4	3	20	14·8	4	1817	+52	297	+70	1921	306	1940	141	1923
2	Shoeburyness ...	1	3	3	3	20	14·2	4	1616	-100	283	+57	1919	273	1925	154	1923
	Gorleston ...	3	3	6	5	13	15·0	4, 5	Incomplete Record		236	+27	1908	252	1940	148	1916
	Cranwell ...	3	8	0	6	13	15·1	3	1506	-32	229	+28	1921	283	1940	148	1923
3	Birmingham ... (Edgbaston)	1	6	6	6	11	15·2	3	1313	+9	218	+39	1887	280	1940	95	1923
4	Ross-on-Wye ...	1	7	2	7	13	15·0	7	1497	+12	237	+30	1915	318	1925	135	1916
5	Falmouth ... (Observatory)	2	3	4	3	18	15·3	3	1731	+2[illegible]	281	+54	1881	375	1925	121	1907
7	Holyhead (Valley)	*	*	*	*	*	*	*	*	*	*	*	1914	311	1940	150	1931
8	Chester ... (Sealand)	1	6	4	7	12	15·3	3	1413	+37	240	+45	1923	292	1940	131	1923
10	Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	1935	*		*	*
11	Leuchars ...	2	6	7	6	9	16·8	25	1416	-54	189	-14	1922	263	1940	137	1935
12	Renfrew ...	2	12	5	4	7	12·6	25	1165	-28	149	-26	1921	258	1925	105	1931
	Eskdalemuir ...	4	8	3	5	10	14·4	30	1317	+116	171	-4	1910	271	1940	83	1912
13B	Stornoway ...	3	18	4	2	3	12·6	13	1140	-75	92	-75	1881	260	1905	94	1923
15	Aberdeen ...	3	11	6	6	4	11·1	16	1196	-133	130	-51	1881	279	1940	82	1912
18	Aldergrove ...	1	8	6	8	7	13·7	3, 4	1250	-47	181	-6	1927	279	1940	123	1938
19	Birr Castle ...	1	10	6	5	8	15·2	3	*	*	182	+22	1881	278	1940	104	1937
20	Valentia ... (Cahirciveen)	1	6	9	5	9	15·3	3	*	*	201	+28	1880	295	1887	91	1924

District.	Stations.	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).	27	1	1	0	0	1	32	30	637	+31	36	-19	1856	183	1903	1	1925	1	0
	Croydon ...	25	2	2	1	0	0	12	30	615	-64	17	-37	1921	90	1926	4	1925	1	0
	Thorney Island	28	0	1	1	0	0	8	11	*	*	11	-35	1941	100	1905	0	1925	0	0
	Lympne ...	26	2	2	0	0	0	1	12	661	-63	4	-45	1920	113	1927	1	1921	1	0
2	Shoeburyness ...	27	1	2	0	0	0	4	12	485	-18	9	-36	1920	70	1937	5	1921	0	0
	Gorleston ...	23	2	2	3	0	0	11	29	535	-87	36	-9	1871	116	1927	5	1932	2	0
	Cranwell ...	23	3	2	1	1	0	19	13	641	+51	41	-2	1917	81	1936	3	1925	0	0
3	Birmingham ... (Edgbaston)	27	2	1	0	0	0	3	14	760	+86	4	-55	1893	125	1912	9	1925	2	0
4	Ross-on-Wye ...	25	4	1	0	0	0	1	12	611	-106	3	-52	1859	143	1860	0	1928	1	0
5	Falmouth ... (Observatory)	27	0	3	0	0	0	5	11	879	-228	11	-48	1871	190	1879	0	1925	1	0
7	Holyhead (Valley)	28	2	0	0	0	0	1	8	791	-86	1	-54	1871	127	1936	1	1925	0	0
8	Chester ... (Sealand)	22	8	0	0	0	0	1	14	695	+57	4	-48	1922	128	1931	1	1925	0	0
10	Tynemouth ...	20	5	3	2	0	0	13	13	491	-130	31	-19	1915	100	1927	3	1925	0	0
11	Leuchars ...	19	3	7	1	0	0	8	21	646	-7	26	-16	1922	115	1931	7	1940	0	0
12	Renfrew ...	22	1	4	3	0	0	10	21	903	-36	42	-14	1921	129	1928	10	1925	0	0
	Eskdalemuir ...	20	4	4	2	0	0	8	20	1400	-29	29	-51	1910	260	1931	23	1921	0	0
13B	Stornoway ...	13	5	8	2	2	0	20	20	976	-290	57	-2	1870	140	1872	11	1897	0	0
15	Aberdeen ...	17	8	4	1	0	0	10	12	826	+78	26	-17	1871	118	1916	12	1891	1	0
18	Aldergrove ...	24	3	3	0	0	0	5	13	929	+91	11	-50	1926	116	1938	11	1941	0	0
19	Birr Castle ...	25	2	3	0	0	0	5	17	*	*	12	-47	1862	131	1878	9	1887	*	*
20	Valentia ... (Cahirciveen)	21	8	1	0	0	0	1	13	*	*	7	-74	1866	207	1935	3	1921	*	*

MINIMUM SURFACE HUMIDITY.

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

Stations.	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew) ...	0	0	0	1	1	6	13	7	2	0
Ross-on-Wye ...	0	0	0	1	5	12	11	1	0	0
Falmouth (Obsy.)	0	2	2	6	14	6	0	0	0	0
Renfrew ...	0	0	2	3	6	14	3	2	0	0
Eskdalemuir ...	0	0	3	1	6	13	6	1	0	0
Aberdeen ...	1	0	1	6	6	11	5	0	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) ...	24	6								
Ross-on-Wye ...	28	2								
Renfrew ...	11	19								
Eskdalemuir ...	7	23								
Aberdeen ...	9	21								
Valentia ...										

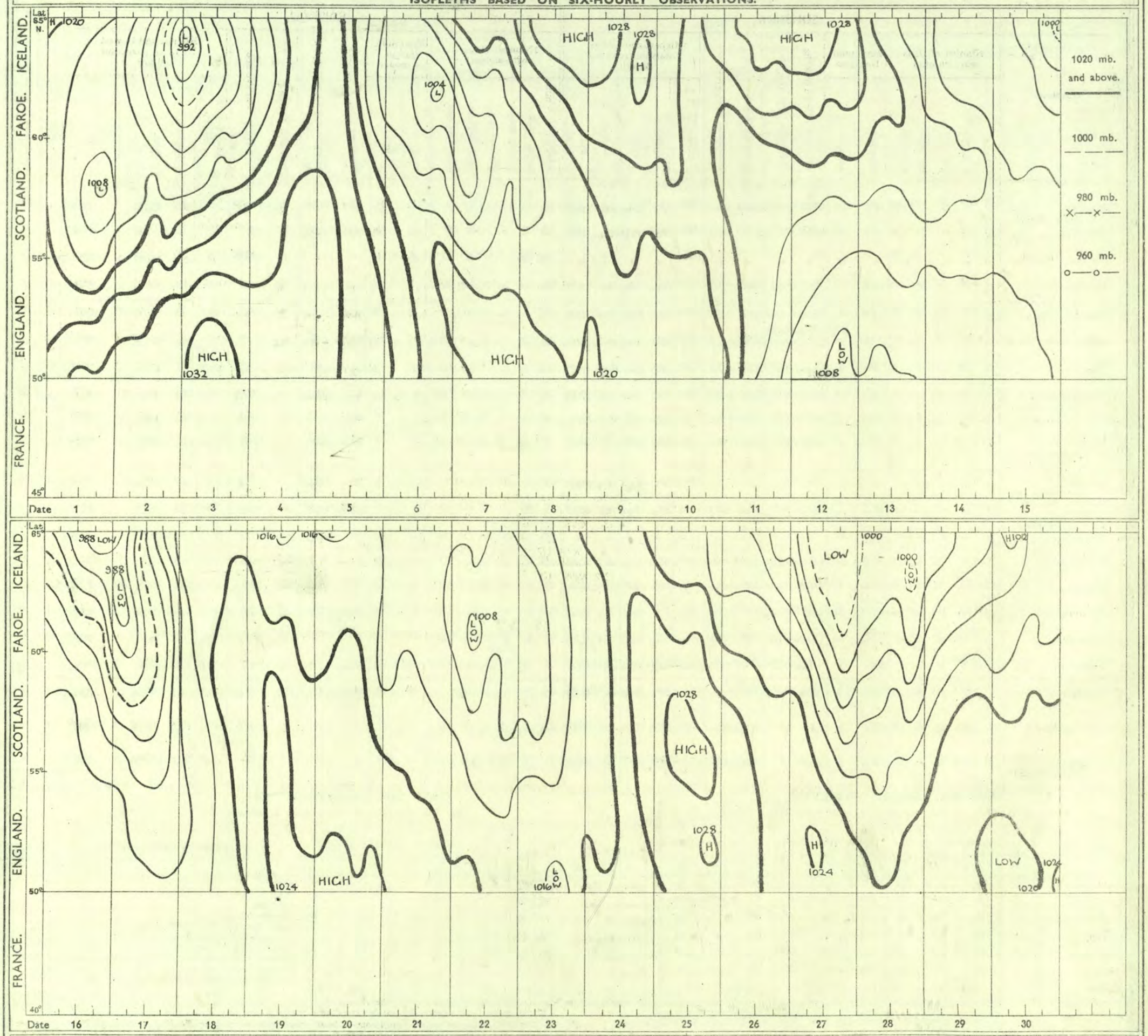
CODE for State of Ground.

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

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

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

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



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

Pr.387/4287. Wt.8142. D.2558. Gp.948/6. 325. 7/42.

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

Page 1

SECRET

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

Monday 1st June 1942

No. 29411

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 (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	17·2	+20	NNW	4	phr	58	55	43	8	8	3	3	7·8	9	1500
	Croydon	16·4	+16	NW'W	3	c/pr	61	55	45	7	8	6	3	4·6	7·8	2500
	S. Farnborough	17·7	+22	NW'W	4	pr	57	65	44	9	3	6	3	9	9+	3000
	Boscombe Down	18·3	+18	N	3	pr	58	65	46	8	2	6	-	7·8	9	3000
	Thorney Island	17·1	+14	NW	4	c	65	55	46	8	2	-	-	7·8	7·8	2500
	Lympne	16·7	+16	NW	4	c	57	65	46	8	2	-	-	9	9	3000
	Manston	15·9	+14	NW	2	bc	60	65	48	8	3	6	-	2·3	4·6	3000
2	Shoeburyness	15·8	+12	W'N	3	c	65	55	50	7	2	7	-	7·8	9	2800
	Felixstowe	13·9	+18	NW	2	c/pr	54	85	49	7	8	-	-	9+	9+	2000
	Gorleston	15·4	+22	NNE	3	c	57	65	47	7	8	7	-	4·6	7·8	2000
	Mildenhall	16·0	+18	W	4	c	61	65	49	8	8	7	-	4·6	7·8	3000
	Cranwell	15·6	+8	WNW	4	zo	60	55	41	6	2	-	-	4·6	4·6	2500
3	Birmingham	17·9	+20	NW	4	c	55	65	44	8	8	-	-	9	9	2500
	Upper Heyford	17·2	+24	N'W	3	zo	59	55	43	6	8	-	-	7·8	7·8	2000
4	Ross-on-Wye	18·1	+20	NW	3	pr	57	65	46	9	2	3	-	4·6	4·6	4000
5	Hartland Point	20·7	+22	NW	3	bc	55	75	47	8	2	-	-	2·3	2·3	1500
	Bristol	18·6	+14	W	5	c	60	75	51	8	2	-	-	7·8	7·8	4000
	Portland Bill	18·6	+14	WNW	3	bc	55	85	51	8	2	-	-	4·6	4·6	4000
	Plymouth	20·6	+20	NW	3	c	61	65	46	8	1	7	-	4·6	7·8	3000
	The Lizard	21·1	+16	NW	3	bc	56	75	48	8	2	7	-	2·3	4·6	2500
	Scilly (St. Mary's)	22·0	+18	WNW	3	bc	60	75	51	8	8	-	4	4·6	4·6	1500
	Guernsey															
6	Pembroke	21·0	+24	NW'N	3	bc	55	75	48	8	2	4	1	2·3	4·6	3000
7	Holyhead (Valley)	19·5	+22	SW	2	bc	55	55	39	9	2	-	1	2·3	4·6	3500
	Chester (Sealand)	19·0	+20	NW'W	5	bc	53	55	37	8	1	-	-	2·3	2·3	3500
8	Manchester	18·1	+22	WNW	5	c	54	65	42	8	2	-	-	7·8	7·8	2500
10	Spurn Head	15·4	+14	ENE	3	bc	57	65	47	7	7	-	-	4·6	4·6	2900
	Catterick	15·7	+12	WNW	3	bc	60	45	39	8	1	-	-	4·6	4·6	3500
	Tynemouth	16·2	+12	N	2	c	51	92	49	7	8	-	-	7·8	7·8	2800
11	St. Abbs Head	15·3	+14	N	2	c/r	47	92	44	7	5	-	-	7·8	7·8	2000
	Leuchars	16·4	+20	E	2	c/r	49	85	45	7	8	-	-	9+	9+	2500
12	Renfrew (Abbots I.)	15·4	+10	N'W	3	c	60	55	41	9	8	-	-	9	9	3000
	Eskdalemuir	15·2	+14	W	4	c	54	65	41	8	8	3	-	7·8	7·8	2500
	Point of Ayre	18·5	+18	NW	4	b	57	75	49	8	1	4	5	1	1	3000
13A	Tiree	18·8	+10	N	1	bc	51	65	40	8	1	-	5	2·3	2·3	3500
13B	Stornoway	18·9	+22	NW	2	c	48	75	41	9	1	6	-	4·6	7·8	2800
15	Dalwhinnie	17·0	+12	NNE	3	c	50	65	36	8	8	-	-	7·8	7·8	2500
	Aberdeen	16·9	+16	NNW	3	pr	50	75	43	9	7	3	-	4·6	9	1500
	Wick	17·2	+22	NNW	4	c	49	65	39	9	8	-	6	4·6	7·8	2600
16	Sumburgh	16·2	+20	NNW	3	bc	47	55	34	9	8	3	1	2·3	4·6	2500
17	Blacksod Point	20·3	+10	S'E	2	bc	56	55	41	9	2	-	4	2·3	4·6	4000
18	Malin Head	18·9	+16	N	3	bc	51	55	36	8	2	-	-	4·6	4·6	2500
	Aldergrove	18·6	+14	NW'W	2	cjp	54	55	37	9	8	6	3	7·8	9	3000
19	Birr Castle	19·7	+6	SW	2	c	60	55	44	7	8	-	-	7·8	7·8	1500
20	Valentia Obsy.	21·3	+14	W	3	c	60	75	52	9	2	3	1	4·6	7·8	2500
	Roches Point	21·1	+12	SW	3	c	54	85	50	9	8	-	-	9	9	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)	19·9	+16	NW	3	bc	62	45	48	8	8	-	-	4·6	4·6	2500	1	*
Croydon	19·7	+14	NW'N	3	bc	61	55	42	7	2	-	-	2·3	2·3	2500	1	*
S. Farnborough	20·0	+18	N'W	3	bc	62	45	41	8	1	-	-	4·6	4·6	4000	1	*
Boscombe Down	20·0	+18	NW'N	3	bc	59	55	42	8	1	-	-	2·3	2·3	3000	0	*
Thorney Island	20·4	+14	N'W	2	c	63	55	48	9	2	-	-	7·8	7·8	4000	1	*
Lympne	20·0	+16	WNW	2	c	58	75	50	8	3	-	-	7·8	7·8	3000	1	*
Manston	19·5	+14	W'N	1	zo	59	65	49	6	2	-	-	7·8	7·8	3000	1	§ *
Shoeburyness	19·3	+18	NNW	2	c	61	55	46	8	2	-	-	7·8	7·8	2500	0	*
Felixstowe	18·6	+14	NW	2	bc	59	92	57	7	1	-	-	2·3	2·3	5700	1	2
Gorleston	18·4	+14	N	2	bc	59	65	47	7	1	4	-	2·3	4·6	2500	0	3
Mildenhall	19·2	+16	WNW	4	bc	59	55	43	7	4	6	-	1	2·3	4000	0	*
Cranwell	19·0	+18	W'N	4	b+	57	55	39	7	-	-	-	0	0	-	0	*
Birmingham	20·6	+14	NW	3	b	57	55	42	8	1	-	-	1	1	4000	1	*
Upper Heyford	20·0	+18	NW'N	3	bc	59	55	42	8	1	-	-	2·3	2·3	3000	0	*
Ross-on-Wye	20·8	+14	WNW	3	b	59	55	41	9	1	-	1	1	1	4000	1	*
Hartland Point	23·1	+10	W'N	3	bc	51	85	47	8	1	-	1	1	2·3	2000	0	3
Bristol	21·9	+14	W	4	b	59	65	48	9	1	-	1	1	1	4000	1	*
Portland Bill	22·0	+18	NW'W	3	bc	55	85	42	8	2	-	-	4·6	4·6	4000	1	3
Plymouth	23·4	+18	NW	2	b	57	65	45	9	1	-	-	1	1	3000	0	2
The Lizard	24·2	+10	WNW	3	bc	55	85	51	8	2	-	-	2·3	2·3	3000	1	3
Scilly (St. Mary's)	24·1	+10	W'S	3	bc	56	85	50	8	1	-	4	1	2·3	1800	1	2
Guernsey																	
Pembroke	23·1	+6	W'S	3	bc	53	85	49	8	2	4	2	2·3	2·3	3000	0	2
Holyhead (Valley)	21·4	+12	SW	3	bc	53	65	42	9	1	4	4	Tr	4·6	4000	1	2
Chester (Sealand)	21·3	+12	WNW	4	bc	55	55	40	9	1	-	5	1	2·3	3500	0	*
Manchester	20·5	+14	WNW	4	bc	53	65	42	8	2	-	-	4·6	4·6	2500	1	*
Spurn Head	18·3	+8	SE	2	bc	52	85	46	7	7	-	-	2·3	4·6	2500	0	2
Catterick	18·8	+20	NNE	2	c	54	75	47	7	8	-	-	9	9	2800	0	*
Tynemouth	18·8	+16	N	3	c/pr	50	97	48	7	8	-	-	9	9	2800	1	2
St. Abbs Head	18·0	+4	NNE	2	c	47	85	44	8	5	4	-	4·6	7·8	2000	1	3
Leuchars	18·9	+16	SE	3	ifo	49	75	40	9	5	7	-	4·6	9+	2500	1	*
Renfrew (Abbots I.)	18·6	+18	NW'W	4	bc	56	55	39	9	8	-	-	2·3	2·3	3000	1	*
Eskdalemuir	17·9	+14	WNW	4	bc	54	55	39	8	8	-	-	4·6	4·6	2500	1	*
Point of Ayre	20·9	+10	NW'W	4	bc	55	75	46	8	2	4	1	Tr	2·3	3000	0	3
Tiree	20·3	+6	NW'N	1	b	50	65	37	9	1	-	-	1	1	3500	0	3
Stornoway	20·3	+2	SE	3	c	47	75	40	9	1	7	-	4·6	7·8	3200	1	1
Dalwhinnie	19·1	+8	N	3	pr	46	75	38	7	5	-	-	Tr	9+	2500	1	
Aberdeen	19·3	+14	ENE	3	c/pr	48	75	41	8	9	3	1	4·6	7·8	2400	1	3
Wick	19·1	+6	N'W	3	bc	48	65	35	9	8	-	-	4·6	4·6	3000	0	*
Sumburgh	18·1	+10	NNW	3	bc	46	65	34	9	8	-	1	2·3	4·6	2500	0	2
Blacksod Point	20·3	-2	S	3	c	54	75	46	9	8	-	6	2·3	7·8	2500	0	2
Malin Head	20·5	+8	N	3	bc	50	65	39	9	2	-	4	2·3	4·6	4000	1	3
Aldergrove	20·5	+2	-	0	c	54	65	43	9	8	6	6	4·6	7·8	2500	1	*
Birr Castle	19·9	0	NNW	2	c	61	65	50	7	2	-	5	2·3	7·8	1500	1	*
Valentia Obsy.	20·9	-6	S	4	c	56	85	52	8	5	-	-	9+	9+	4000	1	3
Roches Point	22·1	+4	SW	4	c	65	85	51	8	5	3	-	4·6	7·8	2500	1	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 31st (39)	Weather 13h.—18h. 31st (40)	Weather 18h. 31st to 1h. 1st (41)	Weather 1h.—7h. 1st (42)
London (Kew)	procpro	ctbcy	bcmow	bcmozowbc
Croydon	ccprocy	cPRbcy	bcybmow	bccmo
S. Farnborough	bcyprov	cprovbcy	bcyb	bwbc
Boscombe Down	bccpro	czobcy	bcbw	bcbw
Thorney Island	bccbcy	cvbcy	bcyb	bcRgubcw
Lympne	bccmobc	Terrqprc	cbwbcmo	bcbbc
Manston	cpromobc	bcprobzo	cbzomow	bmoczo
Shoeburyness	cprobccy	cybcy	bcybcmo	bcmow
Felixstowe	cirproc	bcmo	bcbmo	bmobcmo
Gorleston	c	bc	bcbmo	bcmo
Mildenhall	c	cprob	bybbw	bmow
Cranwell	cbczo	bcczo,b	bczobzo	bcmo
Birmingham	cprbc	cbc	b	b,c
Upper Heyford	cjpbc	czobcy	bcyb	bbcc
Ross-on-Wye	bcpobc	bcvbvy	bc	bwbcc
Hartland Point	bc	bc	bc	bcc
Bristol	bc	bcby	bw	bbcmo,bc
Portland Bill	bcbc	bcbc	b	bcc
Plymouth	cbv	bcb	bwb	bwccmo
The Lizard	bc	bc	bcw	bccw
Scilly (St. Mary's)	b	bc	bcbw	bbcc
Guernsey				
Pembroke	bc	bc	c	
Holyhead (Valley)	bcv	bcbvy	bcc	crorodo
Chester (Sealand)	cbcy	bcby	bbcy	bccmoiro
Manchester	rrmbc	bc	bcmo	bmoc
Spurn Head	cbc	c	bc	bc
Catterick	cocy	bccyc	cycbcb	bbcc
Tynemouth	occ	cp	cpo	bccm
St. Abbs Head	cmrrc	cmoc	cdbcb	bmoe
Leuchars	crofoc	proiro	crorocbc	cmoiroc
Renfrew (Abbots I.)	bccy	cbccy	bcbcw	cmomrodo
Eskdalemuir	bccpro	cprobc	bc	bccor
Point of Ayre	b	bbc	bcc	cprrodo
Tiree	bc	b	bbc	cproR
Stornoway	cpro	c	cb	bbcc
Dalwhinnie	oiroc	cpro		
Aberdeen	crcpro	cpro	cproc	cw
Wick	bccprcjpcv	cvbcv	bcvb	bcc
Sumburgh	bcprobcy	bcprobc	bcprocbc	bc
Blacksod Point	bc	c	r	r
Malin Head	bc	bc	c	r
Aldergrove	b,cprbcy	cycproc	ccjpc	crororo
Birr Castle	c	c		r
Valentia Obsy.	bc	ro	r	r
Roches Point	bc	bc	r	d

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands	Light south-west wind. Fine to fair. Average temperature.
4 W. Midlands, 5 S.W. England, 6 South Wales	Moderate or fresh south-west wind. Cloudy with occasional drizzle, especially on coasts, and hills. Much coast and hill fog. Average temperature.
7 North Wales, 8 N.W. England, 9 N. Midlands	Fresh south-west winds, strong locally. Cloudy with occasional rain. Some hill and coast fog. Average temperature.
10 N.E. England, 11 S.E. Scotland	Moderate or fresh South-west wind. Cloudy with slight local rain. Average temperature.
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	As 7-9.
16 Orkneys and Shetlands, 17 N. W. Ireland, 18 N. E. Ireland	As 7-9.
19 S. E. Ireland, 20 S. W. Ireland	As 4-6.

GENERAL INFERENCE

An anticyclone is centred to the south of the British Isles, and a depression off N.W. Ireland is moving northeast. There will be some rain in Northern and Western districts but in the S.E. it will be fair. Temperatures will be about average.

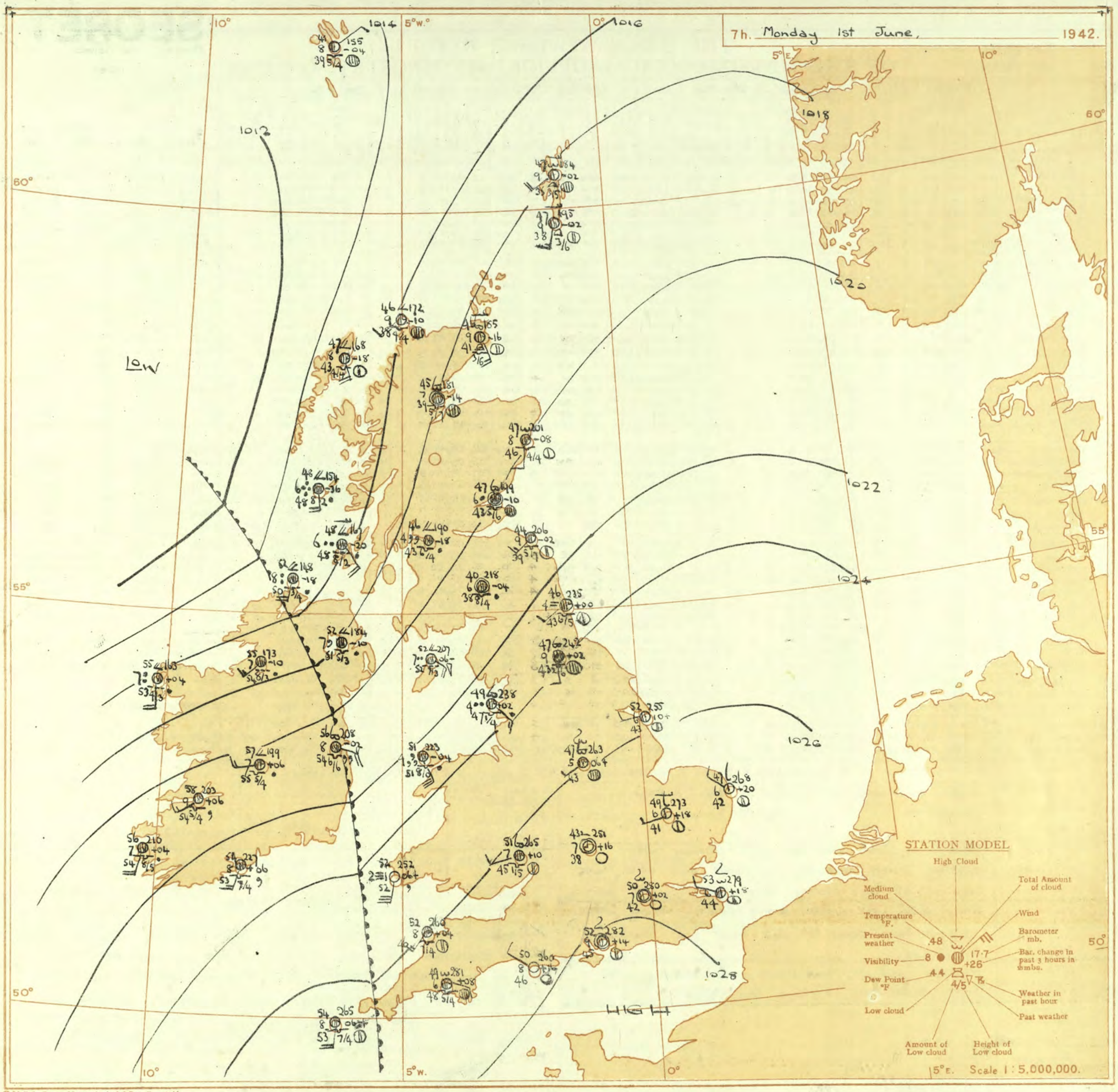
FURTHER OUTLOOK

Mainly similar but with temperatures rising especially in the S.E.

Forecasts issued at 10·30h. G.M.T.

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

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



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

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

Explanation of Frontal Lines shown on Charts

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

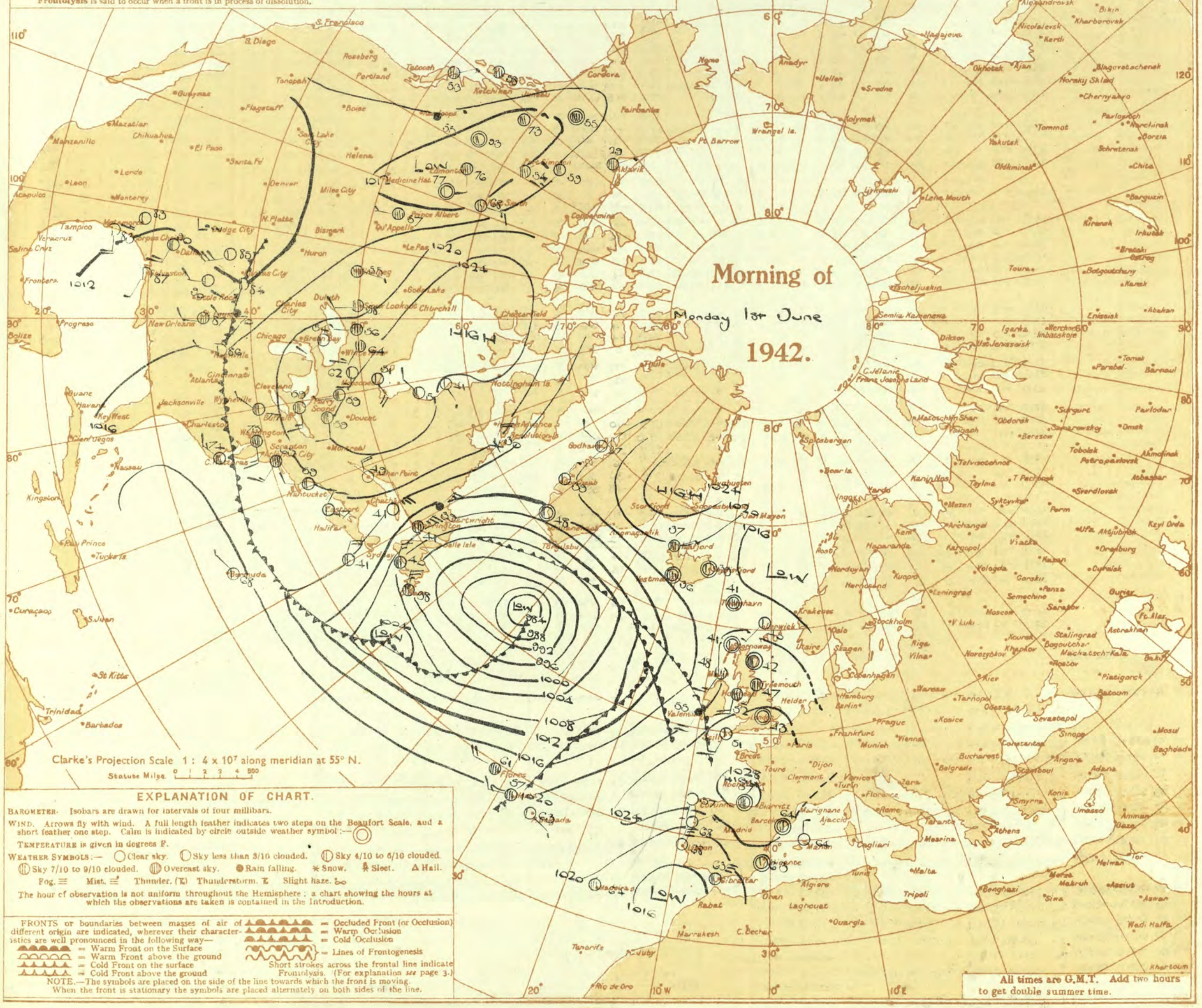
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

Page 4.

BRITISH SECTION

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

Monday 1st June 1942

No. 29411

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)	Cloud Form Med. (11)	Cloud Form High (12)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	47	*	*	*	*	*	*	*	*	*
	Croydon	290	25·0	+14	–	0	z0	43	92	41	5	–	–	–	0	0	–
	S. Farnborough	226	15·4	+14	W'S	2	b	45	85	41	8	–	–	–	0	0	–
	Boscombe Down	417	26·2	+14	NW	1	b	43	97	43	7	–	–	1	0	2-3	–
	Thorney Island	10	25·1	+10	NW'W	1	b	47	85	44	8	–	–	–	0	0	–
	Lympne	283	25·3	+12	NW	1	bc	44	85	39	7	5	–	–	4-6	4-6	7000
	Manston	154	24·9	+14	–	0	b	47	85	43	7	–	8	–	0	1	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	24·3	+16	NW	2	z0	49	75	42	6	5	–	–	1	1	2500
	Gorleston	5	23·0	+16	NW	2	z0	47	85	42	6	–	–	–	0	0	–
	Mildenhall	15	24·0	+12	W	2	b	42	85	37	7	–	–	–	0	0	–
	Cranwell	203	23·9	+14	W'S	3	z0	43	85	39	6	–	4	8	0	1	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	25·1	+16	–	0	b	43	85	38	7	–	–	5	0	Tr	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25·3	+4	WSW	3	bc	51	85	48	8	1	–	6	2-3	2-3	1500
	Bristol	209	26·2	+10	WSW	2	b	48	97	47	7	–	–	6	0	Tr	–
	Portland Bill	32	26·0	+16	NW	2	b	50	85	46	8	–	–	–	0	0	–
	Plymouth	82	26·7	+10	ENE	1	b	46	97	45	8	–	5	–	0	Tr	–
	The Lizard	240	26·4	+8	WSW	2	bc	49	97	49	9	4	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	25·9	+4	SSW	3	b	51	92	49	8	1	–	–	1	1	1500
	Guernsey	175															
6	Pembroke	142	25·0	+2	SSW	3	bc	52	92	50	8	–	3	–	0	4-6	–
7	Holyhead (Valley)	32	22·9	+2	S	4	c	52	85	49	8	–	7	–	0	9+	–
	Chester (Sealand)	16	24·6	+10	SE	1	b	45	85	40	7	–	4	1	0	1	–
8	Manchester	235	24·6	+10	–	0	b	43	97	41	6	–	3	–	0	1	–
10	Spurn Head	29	23·3	+22	WNW	3	bc	49	85	45	7	7	–	–	4-6	4-6	2500
	Catterick	175	23·6	+14	E	1	b	41	75	35	7	–	3	–	0	1	–
	Tynemouth	108	23·0	+12	SW	1	S/pr	47	97	47	6	8	–	–	9	9	2500
11	St. Abbs Head	280	20·8	0	S	2	b	44	85	38	8	5	–	–	1	1	2500
	Leuchars	36	21·4	+4	–	0	bc	44	92	42	8	5	7	–	2-3	4-6	4000
12	Renfrew (Abbots I.)	19	21·6	+4	–	0	c	39	92	37	8	4	3	6	2-3	7-8	4000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	22·0	0	S'W	3	c	49	97	49	8	5	4	–	2-3	7-8	5000
13A	Tiree	22	20·0	-6	–	0	c	40	92	38	8	5	–	–	9	9	3500
13B	Stornoway	80	20·3	0	–	0	b	41	97	41	8	–	–	8	0	Tr	–
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	21·0	-4	–	0	c	42	92	39	9	5	3	–	4-6	7-8	5000
	Wick	114	21·1	0	SW	1	bc	37	85	33	8	5	–	5	Tr	2-3	4000
16	Sumburgh	19	22·3	+2	N	1	bc	43	85	39	9	4	4	–	2-3	2-3	4000
17	Blacksod Point	18	16·9	-26	S'E	4	r0r0	51	97	50	7	6	2	–	2-3	10	1500
18	Malin Head	84	18·7	-22	SSW	8	c	48	65	37	8	4	7	–	4-6	10	2500
	Aldergrove	268	20·7	-10	SE'S	3	c	49	75	41	8	5	7	–	1	10	3500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	20·5	-6	SSW	4	dr	55	97	54	6	5	–	–	10	10	450
	Roches Point	22	22·1	-10	SSW	4	dd	53	97	52	6	5	–	–	10	10	800

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)	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)	28·5	+20	–	0	z0	51	75	43	6	–	5	5	0	7-8	–	1	*
Croydon	27·7	+14	–	0	c	53	65	43	7	–	4	6	0	9+	–	1	*
S. Farnborough	28·0	+10	–	0	bc	50	75	42	7	–	–	9	0	4-6	–	1	*
Boscombe Down	28·1	+14	–	0	bc	49	97	48	6	–	4	5	0	2-3	–	1	*
Thorney Island	28·2	+14	–	0	bc	52	75	45	9	–	–	6	0	4-6	–	1	*
Lympne	28·0	+18	NNW	1	bc	51	75	41	7	–	4	1	0	2-3	–	1	§2
Manston	27·9	+18	WNW	2	z0	53	75	44	6	–	3	6	0	7-8	–	1	*
Shoeburyness	27·8	+20	NW	2	bc	53	65	42	6	–	–	5	0	4-6	–	0	*
Felixstowe	27·2	+14	WNW	3	z0	50	75	43	6	–	–	6	0	4-6	–	0	2
Gorleston	26·8	+20	NW	2	bc	47	85	42	6	–	4	–	0	2-3	–	0	2
Mildenhall	27·3	+18	SW'W	1	z0	49	75	41	6	–	4	1	0	2-3	–	0	*
Cranwell	26·0	+8	SW'W	2	z0	51	75	42	6	–	3	1	0	7-8	–	0	*
Birmingham	26·4	+8	S	4	c	50	75	42	8	–	7	–	0	9+	–	1	*
Upper Heyford	27·6	+14	S	2	c	48	85	43	7	–	5	–	0	9+	–	0	*
Ross-on-Wye	26·5	+10	SWW	2	c	51	85	45	7	5	7	–	Tr	9+	3000	1	*
Hartland Point	26·0	+4	SW	3	c	52	85	46	8	5	–	–	9+	9+	1500	0	3
Bristol	28·2	+16	S	1	c	52	85	48	7	5	7	–	Tr	9	1500	1	*
Portland Bill	28·4	+14	NNW	2	c	52	85	48	8	2	–	–	7-8	7-8	4000	1	3
Plymouth	28·1	+8	ESE	2	c	49	97	48	6	5	3	–	7-8	9+	1000	0	2
The Lizard	27·1	+6	SW	3	c	52	97	52	8	8	2	–	7-8	9+	1200	1	3
Scilly (St. Mary's)	26·5	+6	SSW	4	c	54	97	53	8	5	–	–	9+	9+	1200	1	2
Guernsey																	
Pembroke	25·2	+6	S'W	6	F+	52	97	52	2	–	–	–	0	0	–	1	3
Holyhead (Valley)	22·3	-4	S'E	6	dd	51	97	51	4	5	–	–	10	10	100	1	4
Chester (Sealand)	24·5	+4	–	0	ir	49	97	47	6	–	2	–	10	10	1500	1	*
Manchester	24·6	0	S'E	4	ir0	49	75	43	6	–	7	–	0	9+	–	0	*
Spurn Head	25·5	+10	WSW	2	c	52	75	43	6	1	6	–	4-6	7-8	2500	0	2
Catterick	24·2	+2	S	2	c	47	85	43	9	5	7	–	1	10	4000	0	*
Tynemouth	23·5	0	SW	2	m	46	85	43	4	5	–	–	9	9	3000	1	2
St. Abbs Head	20·6	-2	SW	3	c	44	85	39	9	5	–	–	7·8	9+	2500	1	3
Leuchars	19·9	-10	–	0	ir0	47	85	43	6	5	7	–	7-8	10	3000	1	*
Renfrew (Abbots I.)	19·0	-18	NE	1	d0d0	46	92	43	4	5	2	–	9	10	1200	1	*
Eskdalemuir	21·8	-4	–	0	o	40	92	38	6	5	–	–	10	10	1100	0	*
Point of Ayre	20·7	-6	SE	4	r0r0	52	97	52	7	6	2	–	9+	10	800	1	3
Tiree	15·4	-36	S'E	4	RR	48	97	48	6	–	2	–	10	10	400	1	3
Stornoway	16·8	-18	SSE	4	c	47	85	43	8	5	2	–	4-6	9+	2000	1	2
Dalwhinnie																	*
Aberdeen †	20·1	-8	S'W	2	c	47	97	46	8	5	3	–	4-6	9+	1100	1	
Wick	18·5	-16	SSE	3	c	46	85	41	9	8	7	3	2-3	9+	3000	0	*
Sumburgh	19·5	-2	SSW	3	bc	47	75	38	9	1	–	2	2-3	7·8	3000	0	3
Blacksod Point	16·3	+4	S	4	ir	55	92	53	7	6	2	–	4-6	10	800	1	3
Malin Head	14·8	-18	S'W	4	ir	52	92	50	8	6	2	–	2-3	10	1500	1	3
Aldergrove	18·4	-10	SW	3	id0	52	92	51	7	5	2	–	7-8	10	600	1	*
Birr Castle	19·9	+6	WSW	3	c	57	92	55	7	5	2	–	7-8	9+	1500	1	*
Valentia Obsy.	21·0	+4	SSW	4	c	56	92	54	7	5	–	–	10	10	2500	1	4
Roches Point	22·7	+6	SSW	3	c	54	97	53	8	5	–	–	9+	9+	1500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 31st Hrs. (38)
London (Kew)	62	44	38	Tr	Tr	10·2
Croydon	63	39	38	1	0·1	10·5
S. Farnborough	65	40	30	Tr	–	12·4
Boscombe Down	65	42	32	–	Tr	1·5
Thorney Island	65	42	38	–	–	*
Lympne	61	41	34	3	–	9·3
Manston	62	44	38	0·1	Tr	2·5
Shoeburyness	67	42	33	Tr	–	7·2
Felixstowe	61	45	40	2	–	3·3
Gorleston	60	43	39	–	–	5·0
Mildenhall	62	38	30	0·1	Tr	6·9
Cranwell	62	41	37	–	–	7·7
Birmingham	59	43	30	1	–	8·6
Upper Heyford	61	40	33	–	Tr	*
Ross-on-Wye	63	39	33	0·1	–	10·9
Hartland Point	56	49	46	–	–	13·4
Bristol	64	43	35	–	–	12·0
Portland Bill	56	47	*	–	–	*
Plymouth	62	42	37	–	–	12·9
The Lizard	58	48	*	–	–	14·3
Scilly (St. Mary's)	60	51	*	–	–	14·4
Guernsey						
Pembroke	55	47	*	–	0·2	14·0
Holyhead (Valley)	57	50	46	–	0·5	*
Chester (Sealand)	56	43	33	–	0·3	11·7
Manchester	55	41	35	1	Tr	*
Spurn Head		47	*	Tr	–	0·2
Catterick	63	41	33	–	–	9·8
Tynemouth	53	42	40	0·4	0·2	*
St. Abbs Head	51	41	*	5	Tr	*
Leuchars	52	43	35	1	1	1·4
Renfrew (Abbots I.)	60	38	31	Tr	0·4	12·1
Eskdalemuir	59	31	24	0·1	0·3	10·7
Point of Ayre	58	42	*	–	0·3	13·7
Tiree	52	37	*	1	2	12·6
Stornoway	51	39	*	Tr	–	9·9
Dalwhinnie	51			0·5		
Aberdeen †	52	42	32	0·2	Tr	0·6
Wick	51	36	31	0·2	–	*
Sumburgh	47	40	28	Tr	0·1	10·7
Blacksod Point	55	50	*	–	3	*
Malin Head	51	46		Tr	t	0·0
Aldergrove	56	44	40	0·5	2	7·9
Birr Castle	62	51	49	–	0·5	9·8
Valentia Obsy.	60	54	53	Tr	1	5·7
Roches Point	59	53	*	–	0·5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 31st May — 18h. G.M.T. — 01h. G.M.T. 1st 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	80	02985	26486	20	01964	27214	40	00862	20202	73	02867	47417
115				54	01954	28224	54	01963	12214	52	02944	20226
203				70	01954	04214				6-	61838	124288
206	82	82846	28188	20	01964	08214	50	01964	06214	57	02978	00028
210	81	10844	32187	23	00951	04313	53	02951	07211	57	02961	12228
220	70	01955	29315	10	01993	27303				62	64668	14368
230	83	01954	32314	10	00954	25404	53	01951	00013	62	62745	12268
245	87	02955	06387	57	62755	04287	57	02964	00065	57	02743	20128
260	86	25664	06285	24	02754	04285	50	01752	05215	57	02765	31118
278	20	00952	28512	50	01964	28404	03	02890	14227	62	64625	16368
279	87	81956	19487	76	01963	24383	50	02873	16115	57	61864	17568
285										57	03745	18328
288	10	01964	28314	8-	25666	05386	00	05630	19241	57	02865	15228
575	20	01954	28214	26	01963	26214	57	22755	00068	6-	02788	20368
301	10	01953	26413	2•	00961	26402	03	01790	10113	57	62441	13367
321	10	01754	25464	5-	05648	30228	06	00790	25312	00	05690	17225
299	50	01753	28313	70	01762	30102	70	10764	30114	57	01764	30115
292	20	02955	28245	20	00863	25483	04	01820	00014	57	05551	12128
310										--	02630	20316
614	20	01764	24384	10	01763	26303	04	05590	25842	57	05590	20126

13h. G.M.T. 31st May — 18h. G.M.T. — 01h. G.M.T. 1st 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
333				14	01961	22313	57	02862	18427	53	54636	16568
334										--	02646	22217
340	10	01953	30463	10	00962	30302	00	00890	08103	67	61973	15368
136	9-	28648	26198	86	05662	29383	50	05682	23202	55	05661	25205
336										57	02765	16328
350	26	02744	26285	20	00961	27311	00	05690	22201	07	05690	20205
368	23	01954	24414	13	00962	22413	14	01861	00013	53	04865	20127
379	20	01955	30425	80	01964	28314	00	00890	26200	03	02890	18327
390	36	02765	28365				40	05661	25101	04	05690	26115
382	86	02865	63525	8-	01863	29314	00	00890	00000	07	02790	00019
438							40	01762	04212	00	06790	10103
430	20	25864	26384				50	00761	22101	00	00790	14113
409	5-	02845	28325	10	00952	20312	04	00790	18201	52	51625	17328

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
$h_a N_h$ = 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 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	Weather Afternoon	Weather Night
Kew	prcpr	c+bcy	bcm
Croydon	ccpgcy	cPRbcy	bybm
Greenwich	cbcp	cbctlrb	bbcw
Camden Square	c	c	*
Kensington	bcp	bc	*
Hampstead	bcptl	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0·2 Time 3p. 1st. Min. <0·1 Time 11-15h 31st.

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	62	44	38	Tr	Tr	10·2	*	*
Croydon	63	39	38	1	0·1	10·5	*	*
Greenwich	62	40	25	1	Tr	9·5	53	48
Westminster	64	44	43		0·4		73	69
Regents Park	64	43	33	Tr	–		53	49
Camden Square	64	44	37	2	–	*	*	54
Kensington	65	44	33	3	–		51	83
Hampstead	61	44	33	1	–		*	67

SECRET

Page 1 BRITISH SECTION

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

Tuesday 2nd June 1942

No. 28412

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	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)	28.3	-2	WSW	3	c	63	55	45	8	-	3	6	0	9	-
	Croydon	28.4	+2	SWS	3	bc	65	45	45	8	-	3	5	0	4-6	-
	S. Farnborough	28.5	+2	SW'W	4	bc	65	46	43	9	-	7	9	0	4-6	-
	Boscombe Down	28.4	0	SW	3	c	63	55	48	9	4	4	1	4-6	7-8	7200
	Thorney Island	29.5	+4	S'W	4	bc	59	65	48	9	-	4	2	0	4-6	-
	Lympne	29.4	+6	SSE	3	bc	59	55	41	8	-	-	2	0	2-3	-
	Manston	29.3	+6	SE'S	1	bc	59	65	47	7	-	-	2	0	4-6	-
2	Shoeburyness	28.4	0	SE	2	bc	63	55	48	7	-	-	6	0	4-6	-
	Felixstowe	29.4	+6	S'W	4	bc	60	65	48	7	-	7	5	0	4-6	-
	Gorleston	27.8	+4	SE'S	3	c	56	85	50	7	5	7	-	4-6	7-8	1800
	Mildenhall	27.2	-6	SW	3	c	63	55	46	8	-	7	-	0	9+	-
	Cranwell	25.7	-2	SW'S	5	c	60	55	45	7	5	7	-	2-3	10	7000
3	Birmingham	26.4	0	SSW	4	c	60	75	53	8	5	-	-	9+	9+	4000
	Upper Heyford	26.9	-4	SW	4	c	62	55	45	8	5	7	-	4-6	9+	4600
4	Ross-on-Wye	26.8	+4	SW'S	4	c	59	75	51	7	5	-	1	9	9+	3000
5	Hartland Point	27.2	+4	WSW	4	c/d	55	85	51	7	5	2	-	4-6	10	1200
	Bristol	28.3	+2	WSW	4	c	61	75	52	8	5	1	-	7-8	10	2500
	Portland Bill	30.2	+12	SW	3	c	54	85	50	8	5	-	-	9	9	4000
	Plymouth	29.4	+4	SW	3	c	56	92	53	8	5	2	-	4-6	9+	1000
	The Lizard	28.6	+4	SW	3	bc	58	92	56	8	7	4	-	4-6	4-6	3600
	Scilly (St. Mary's)	27.8	+2	SSW	4	c	59	85	56	8	8	4	3	7-8	9+	1400
	Guernsey															
6	Pembroke	27.0	+12	SW'S	4	z$_0$	53	97	53	6	5	-	-	10	10	800
7	Holyhead (Valley)	22.8	+2	SSW	6	z$_0$	56	92	54	6	5	-	-	10	10	400
	Chester (Sealand)	24.1	0	SW	4	ir$_0$	61	75	52	8	5	-	-	10	10	3000
8	Manchester	24.6	0	S'W	3	c	56	85	50	7	5	7	-	7-8	10	3000
10	Spurn Head	25.8	0	SW	4	c	59	65	46	7	7	-	-	9+	9+	4000
	Catterick	22.9	-6	S'W	4	z$_0$	55	85	49	6	5	2	-	9+	10	1500
	Tynemouth	21.6	-12	SSW	3	c/r	55	85	51	6	-	2	-	10	10	2200
11	St. Abbs Head	17.1	-20	S	5	r$_0$r$_0$	53	97	53	7	5	-	-	10	10	2000
	Leuchars	15.9	-26	S	2	c/r	58	97	55	6	5	2	-	9	10	2000
12	Renfrew (Abbots I.)	16.8	-6	WSW	4	ir$_0$	55	92	53	6	5	2	-	9	10	1000
	Eskdalemuir	19.0	-12	SSW	4	rr	51	97	50	4	-	2	-	10	10	200
	Point of Ayre	20.4	0	W'S	5	c	64	85	59	8	5	1	-	4-6	10	3600
13A	Tiree	14.0	+16	SW'W	4	c/d	54	97	53	6	5	-	-	10	10	300
13B	Stornoway	13.0	-34	ENE	3	rr	47	97	47	6	3	2	-	9	10	1000
15	Dalwhinnie	14.0	-16	SW	3	ir$_0$	50	92	48	7	5	-	-	9+	9+	1500
	Aberdeen	16.0	-22	S'W	3	r$_0$r$_0$	48	97	48	6	6	2	-	4-6	10	900
	Wick	15.7	-16	SSE	3	r$_0$r$_0$	48	92	47	7	5	2	-	7-8	10	2000
16	Sumburgh	16.4	-18	S'E	4	c/pr	47	85	44	8	5	2	-	7-8	10	1800
17	Blacksod Point	17.1	+2	SSW	5	c	56	85	51	7	5	-	-	9+	9+	1500
18	Malin Head	16.0	+6	SSW	5	c	58	85	53	8	6	2	-	4-6	10	1500
	Aldergrove	19.1	+6	SW	4	c/d	58	85	53	8	5	7	-	7-8	10	2500
19	Birr Castle	20.8	+6	SW	4	c	64	65	55	7	8	1	-	7-8	9+	1500
20	Valentia Obsy.	22.2	0	S	5	c	58	85	53	8	7	3	-	9	9+	4000
	Roches Point	24.6	+10	SW	3	c/d	55	97	54	8	5	-	-	9+	9+	800

OBSERVATIONS at 18h. G.M.T. 1st June 1942

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)	28.6	+2	SW'W	3	c	61	65	50	8	5	4	-	9	9+	4000	1	*
Croydon	28.3	+2	SW'S	2	c	64	55	49	8	5	4	6	2-5	9+	5000	1	*
S. Farnborough	28.9	+2	SW'W	4	c	63	65	50	9	7	4	4	1	9	3000	0	*
Boscombe Down	28.9	+4	SSW	3	c	59	75		8	7	4	-	7-8	7-8	3000	0	*
Thorney Island	29.7	0	SW	3	c	59	75	48	9	-	4	6	0	7-8	-	0	*
Lympne	29.8	+2	SSW	2	bc	56	75	48	8	-	-	6	0	4-6	-	0	2
Manston	29.3	+6	SW'S	3	c	61	65	48	8	-	4	6	0	9	-	1	*
Shoeburyness	28.4	0	SSW	3	bc	63	65	52	8	-	-	6	0	4-6	-	0	*
Felixstowe	27.6	-2	SSW	3	c	62	65	52	8	-	3	-	0	9+	-	0	2
Gorleston	27.8	-2	SW	4	c	61	85	56	7	7	-	-	9+	9+	2400	1	4
Mildenhall	27.2	0	SW'W	4	c	65	55	50	8	-	7	2	0	9+	-	0	*
Cranwell	25.6	+2	SW	4	c	61	75	56	7	5	-	-	4-6	9+	1800	0	*
Birmingham	26.5	0	SSW	3	c	59	85	54	8	5	-	-	9+	9+	2500	1	*
Upper Heyford	27.6	0	SSW	3	c	60	75	53	7	5	7	-	7-8	10	1800	0	*
Ross-on-Wye	27.1	0	SW'W	3	c	60	85	53	7	5	7	-	9	9+	3000	1	*
Hartland Point	27.6	-2	WSW	4	c	54	85	51	8	5	3	-	4-6	7-8	1500	0	4
Bristol	28.8	+2	SW	2	c	59	85	55	7	5	2	-	9+	10	2300	1	*
Portland Bill	29.7	-12	SW	3	c	54	85	50	8	2	4	-	4-6	7-8	4000	1	3
Plymouth	29.9	0	SW	2	bc	56	92	53	7	8	3	1	4-6	4-6	1000	0	2
The Lizard	29.5	+4	SW'W	3	bc	57	85	53	8	7	3	-	4-6	4-6	3500	0	3
Scilly (St. Mary's)	29.0	+2	SSW	3	c	57	85	52	8	5	-	-	9+	9+	1200	1	3
Guernsey																	
Pembroke	27.5	+2	SW'S	5	z$_0$	53	97	52	6	5	-	-	10	10	1500	1	3
Holyhead (Valley)	23.8	+4	SSW	6	c	55	85	50	8	5	-	-	9+	9+	500	1	4
Chester (Sealand)	24.8	+6	SSW	3	c	61	75	52	8	1	7	8	7-8	9	2200	0	*
Manchester	25.0	+6	S'W	4	c	59	85	53	8	2	7	-	7-8	9	1800	0	*
Spurn Head	25.3	-2	SW'W	4	c	61	65	49	7	7	-	-	9+	9+	4000	0	2
Catterick	22.8	+4	SW	4	c	60	75	52	7	5	-	-	9+	9+	1900	1	*
Tynemouth	22.0	+2	SW	5	c	58	92	55	6	8	0	-	9+	9+	2400	1	3
St. Abbs Head	17.6	+4	SW	4	c/d	57	92	55	7	5	4	-	7-8	9+	2200	1	3
Leuchars	16.4	+4	WSW	5	id$_0$	59	85	54	6	5	7	-	4-6	9	1800	1	*
Renfrew (Abbots I.)	17.7	+4	SW'W	3	dr	56	85	52	5	5	-	-	10	10	1200	1	*
Eskdalemuir	19.8	+8	SSW	4	z$_0$	53	97	51	6	5	-	-	10	10	200	1	*
Point of Ayre	20.5	0	SW'S	5	c	61	85	57	8	7	4	6	1	9+	4000	0	
Tiree	14.4	+4	SW	4	rr	53	97	53	6	-	2	-	10	10	500	1	
Stornoway	10.9	+2	SW	5	rr	55	97	55	7	5	2	-	9	10	1500	1	2
Dalwhinnie	15.0	+4	SW	3	rr	53	85	50	7	5	-	-	10	10	1500	1	*
Aberdeen	14.4	+6	SW	4	c	62	75	55	7	8	3	-	4-6	9	2700	1	2
Wick	12.1	-2	SW	3	ir$_0$	54	92	52	7	5	7	-	7-8	10	800	1	*
Sumburgh	12.9	-24	SSE	2	d$_0$d$_0$	47	97	46	5	6	-	-	10	10	400	1	3
Blacksod Point	18.6	+14	S'W	5	c/r	56	92	54	7	6	2	-	4-6	10	800	1	
Malin Head	16.9	+6	S'W	4	ir$_0$	56	97	56	6	8	2	-	4-6	10	800	1	4
Aldergrove	19.6	+2	SW'W	3	c	60	75	52	8	5	7	-	7-8	10	3000	1	*
Birr Castle	22.2	+12	SW	4	c	63	65	51	8	4	3	-	4-6	7-8	1500	1	*
Valentia Obsy.	24.2	+14	SSW	5	c	58	85	53	8	5	-	-	10	10	1500	1	4
Roches Point	25.4	+8	SW'W	4	c/d	56	97	56	8	5	-	-	9+	9+	800	1	4

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)	bcw cy	cbcyc	cybcw	cm$_0$w
Croydon	cm$_0$bcy	bcycy	cybccw	cwbc-c
S. Farnborough	bcvy	bccvy	cbwc	cw
Boscombe Down	bcy	bcyc	cbc	bcFcF
Thorney Island	bcbbc	bcbbc	cbcfqw	bccm$_0$
Lympne	bcyby	ybc	bcbwbc	bcc
Manston	cz$_0$bc	bcbbcy	cbcc	cbcm$_0$w
Shoeburyness	bcm$_0$bc	bc	bccm$_0$	cm$_0$
Felixstowe	cm$_0$bc	bbc	c	cm$_0$
Gorleston	bcz$_0$c	c	c	c
Mildenhall	cybccy	cybccy	cyc	cbcwc
Cranwell	c	c	cm$_0$	cm$_0$bcc
Birmingham	cbcc	c	c	c
Upper Heyford	ccy	cyc	c	cbcc
Ross-on-Wye	cbcc	cc	cc	cc
Hartland Point	cidc	c	cbcc	c
Bristol	cy	cir$_0$c	ccm$_0$,c	c
Portland Bill	bcc	c	cbc	cc
Plymouth	cm$_0$c	cbc	bccbc	bcm$_0$cfcm
The Lizard	cbc	bc	bcm	FFc
Scilly (St. Mary's)	c	c	c	cbcF
Guernsey				
Pembroke	Id$_0$ifcm$_0$	ifcm$_0$	cid$_0$m$_0$	c
Holyhead (Valley)	oddcm$_0$	om$_0$c	cm$_0$	cm$_0$c
Chester (Sealand)	cirm$_0$z$_0$	ir$_0$c	bc	bcc
Manchester	cz$_0$m$_0$		c	c
Spurn Head	c	c	bc	c
Catterick	crz$_0$cm$_0$	cm$_0$	bccid$_0$m$_0$	c
Tynemouth	cmoir$_0$	oc	cbcq	bcqc
St. Abbs Head	crrRRr$_0$	cr$_0$r$_0$	c	cbcc
Leuchars	cror$_0$cm$_0$	cr$_0$r$_0$id$_0$m$_0$	cid$_0$ir$_0$cm$_0$	cm$_0$c
Renfrew (Abbots I.)	cmddm$_0$r$_0$	cm$_0$r$_0$dr$_0$	cm$_0$ir$_0$	cir$_0$m$_0$
Eskdalemuir	orrm$_0$	orr$_0$r$_0$m$_0$	omir	omF
Point of Ayre	r$_0$r$_0$id$_0$c	cir.	cbcc	c
Tiree	or$_0$d$_0$	cr	orc	odrr
Stornoway	crr	crr	crr	crr
Dalwhinnie	cirp	crr$_0$	*	oir
Aberdeen	cr$_0$r$_0$m$_0$	r$_0$r$_0$bcc	cr$_0$r$_0$	cw
Wick	crrr$_0$r$_0$	r$_0$r$_0$cir$_0$	ir$_0$d$_0$d$_0$	cprc
Sumburgh	bccpr$_0$c	cr$_0$r$_0$md$_0$d$_0$m$_0$	od$_0$d$_0$f	od$_0$d$_0$f$_0$d$_0$
Blacksod Point	r	T	r	T
Malin Head	r	r	r	c
Aldergrove	Id$_0$ir$_0$id$_0$c	c	ecid$_0$c	cid$_0$ir$_0$c
Birr Castle	o	c	*	c
Valentia Obsy.	d	c	d	d
Roches Point	d	d	bc	d

5555

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands	Fair; Moderate southwesterly winds; Rather warm.
4 W. Midlands, 5 S.W. England, 6 South Wales	Cloudy, slight local rain or drizzle, coast and hill fog at first, fog patches persisting in coastal areas, some bright intervals later. Moderate southwesterly wind. Average temperature.
7 North Wales, 8 N.W. England, 9 N. Midlands	Mainly cloudy, some bright periods later, slight local rain or drizzle. Local hill fog. Moderate southwesterly winds. Average temperature.
10 N.E. England, 11 S.E. Scotland	As 1-3.
12 S.W. Scotland & Isle of Man, 13A W. Scotland	As 7-9.
13B N.W. Scotland	As 15-16.
14 Mid Scotland	As 7-9.
15 N.E. Scotland, 16 Orkneys and Shetlands	Much low cloud, intermittent rain, hill fog. Moderate southwesterly winds. Average temperature.
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	As 7-9.

GENERAL INFERENCE

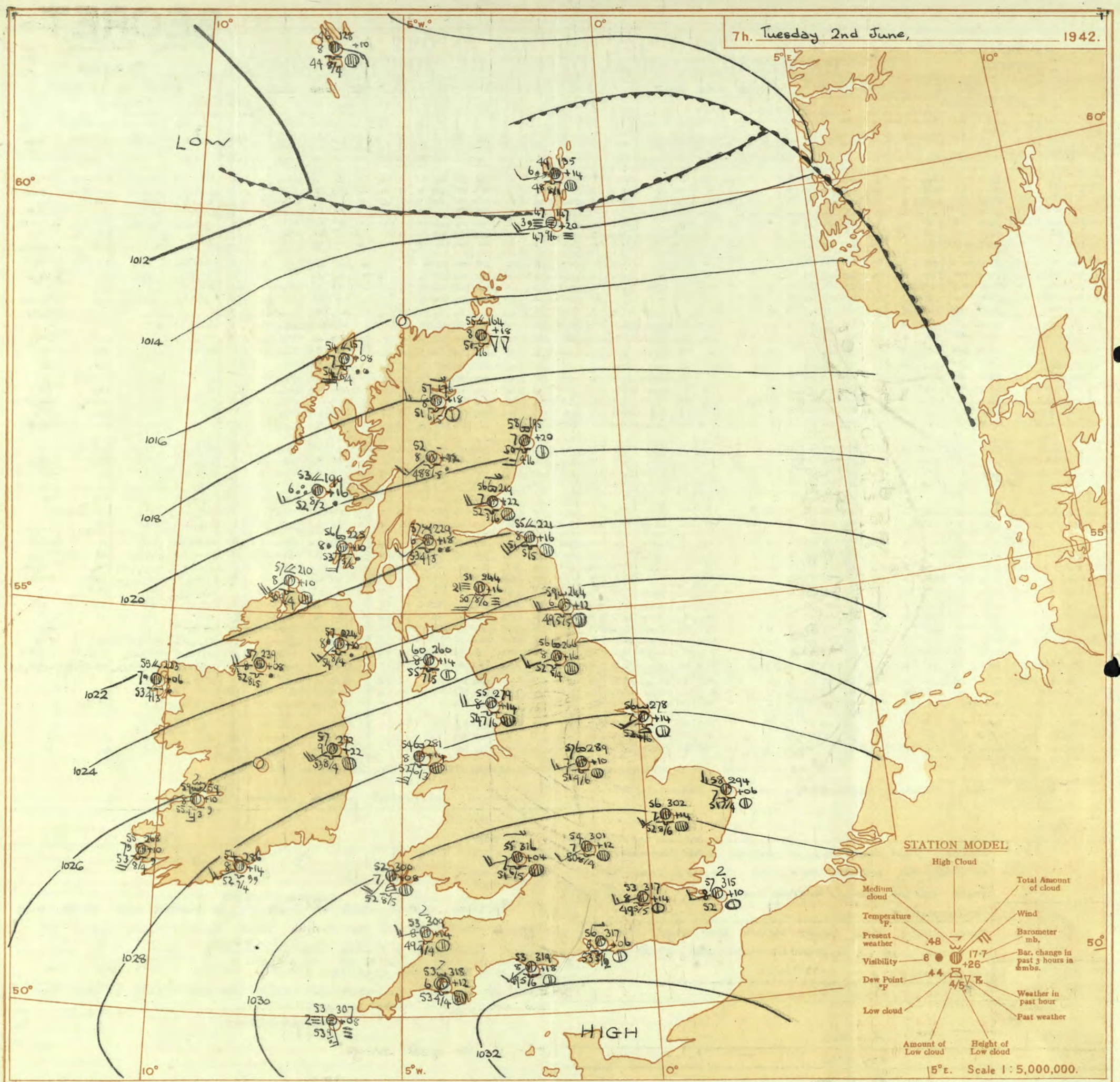
A depression centred North of Shetland is moving east. Pressure is high to southward of the British Isles and a warm damp air current from S.W. is flowing over the country. There will be much cloud with slight rain or drizzle on the western coasts and in the North of Scotland. In eastern and inland districts it will become fine and rather warm today.

FURTHER OUTLOOK

No great change.

Forecasts issued at 10.30. G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

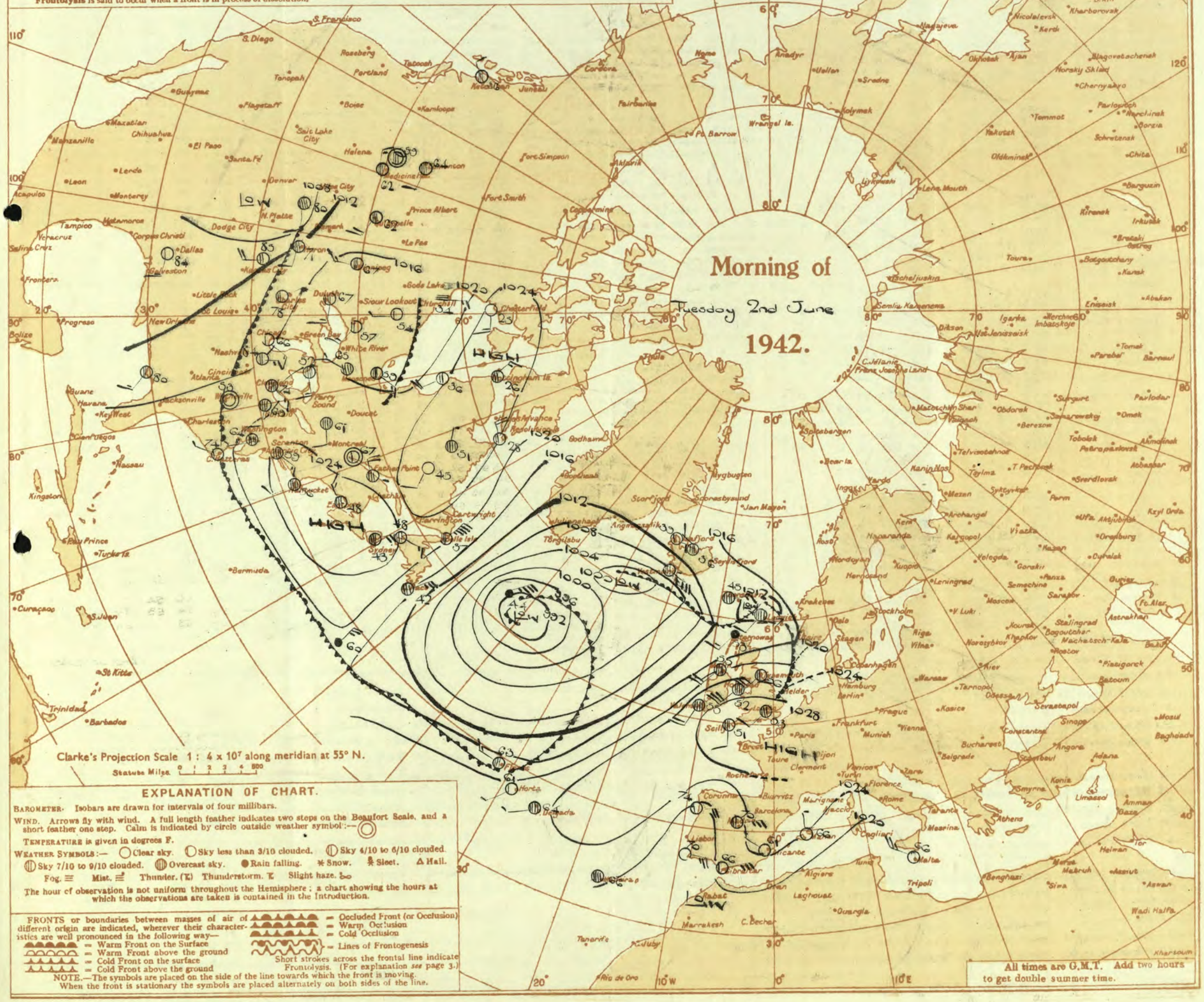
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Tuesday 2nd June 1942

No. 29412

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	29.7	+2	SW	2	c	53	85	49	8	5	3	-	4-6	9+	3000
	S. Farnborough	226	30.3	0	SW'W	2	c	52	85	49	9	5	3	-	9	9+	5000
	Boscombe Down	417	30.4	+2	SE'E	1	Zo	49	97	48	6	5	4	3	4-6	4-6	4000
	Thorney Island	10	30.9	+2	-	0	fg	50	92	48	7	-	4	9	0	4-6	-
	Lympne	283	30.9	+2	-	0	bc	46	97	46	7	-	4	2	0	4-6	-
	Manston	154	30.3	+2	WSW	1	c	50	92	48	7	-	3	2	0	9	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	29.5	+4	WSW	2	c	56	85	52	7	-	7	-	0	9+	-
	Gorleston	5	28.6	-2	WSW	3	c	58	85	52	7	5	-	*	9	9	1500
	Mildenhall	15	28.6	+2	SW'S	3	c	59	85	53	7	5	3	-	4-6	9	3300
	Cranwell	203	26.5	-2	SW'W	4	Zo	55	85	52	6	5	3	-	1	7-8	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	28.6	-2	SW'S	4	c	55	85	51	7	5	3	-	4-6	9+	1200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	29.5	0	WSW	3	c	53	85	48	8	5	-	-	9	9	1600
	Bristol	209	30.1	-2	SW'W	3	c	54	85	50	7	5	7	-	7-8	9+	1800
	Portland Bill	32	30.6	-2	SW	2	bc	52	85	48	8	5	-	-	4-6	4-6	4000
	Plymouth	82	30.9	+2	-	0	Zo	50	97	50	6	-	4	2	0	2-3	-
	The Lizard	240	30.8	+6	W'S	1	m	51	97	51	4	5	-	-	10	10	800
	Scilly (St. Mary's)	163	30.0	0	S'E	2	c	51	97	50	7	5	-	-	7-8	7-8	1200
	Guernsey	175															
6	Pembroke	142	29.4	+6	SW	5	c	53	97	52	6	5	2	-	7-8	10	2000
7	Holyhead (Valley)	32	26.4	+8	SSW	6	Zo	52	92	52	6	5	-	-	10	10	300
	Chester (Sealand)	16	26.6	+10	S'W	1	bc	56	85	50	7	5	-	2	2-3	7-8	2000
8	Manchester	235	26.7	+6	S'W	3	c	54	85	51	7	5	2	-	1	7-8	2200
10	Spurn Head	29	26.0	0	SW'S	3	bc	56	85	51	7	7	3	-	2-3	4-6	4000
	Catterick	175	25.0	+14	WSW	3	id	55	85	52	6	5	3	-	9	9	1800
	Tynemouth	108	22.4	+2	SW	6	bcq	56	92	53	6	5	-	-	4-6	4-6	2500
11	St. Abbs Head	280	19.3	+16	SW	4	c	54	97	53	7	5	-	-	9	9	2500
	Leuchars	36	17.9	+10	SW	3	Zo	55	92	53	6	5	7	-	7-8	9	2000
12	Renfrew (Abbots I.)	19	20.2	+14	S	2	c/r	56	85	52	6	5	2	-	9	10	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	23.2	+10	W	5	c	58	92	55	8	5	-	-	9	9	3000
13A	Tiree	22															
13B	Stornoway	80	14.4	+14	SW	3	rr	53	97	53	7	5	2	-	9	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	15.8	+6	SW	3	bc	54	85	49	9	5	3	-	2-3	2-3	4000
	Wick	114	13.6	+8	SW	3	c	54	92	51	8	5	-	-	9+	9+	5700
16	Sumburgh	19	11.6	0	-	0	df	47	97	47	2	5	-	-	10	10	450
17	Blacksod Point	18	20.8	+2	SSW	5	c	55	85	51	7	5	-	-	9+	9+	800
18	Malin Head	84	19.6	+8	SSW	4	c	55	85	51	8	8	2	-	7-8	9+	1500
	Aldergrove	268	22.2	+12	SW	4	c	56	85	52	8	5	7	-	7-8	10	1100
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	25.6	+4	SSW	4	c/d	55	92	53	6	5	-	-	10	10	800
	Roches Point	22	27.0	+2	WSW	4	c	55	92	53	8	5	-	-	9	9	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)	30.8	+14	SW	2	Zo	54	85	50	6	8	-	1	7-8	9	2500	1	*
Croydon	30.9	+10	SSW	2	c	53	92	51	7	5	-	2	2-3	9	800	1	*
S. Farnborough	31.7	+14	WSW	3	c	53	85	49	8	5	-	-	7-8	7-8	2500	1	*
Boscombe Down	31.5	+4	SW	2	bc	52	97	51	6	5	-	2	2-3	7-8	200	0	*
Thorney Island	31.7	+6	WNW	2	Zo	56	92	53	6	5	-	1	7-8	9+	450	0	*
Lympne	31.7	+4	SW	1	c	53	75	47	8	-	4	2	0	9	<150	0	§
Manston	31.5	+10	W'S	2	bc	57	85	52	8	-	-	6	0	7-8	-	1	*
Shoeburyness	31.0	+20	W'S	2	c	57	85	52	6	5	3	2	4-6	7-8	2500	0	2
Felixstowe	30.2	+6	W'S	2	Zo	55	92	52	6	5	7	6	1	9+	2500	0	2
Gorleston	29.4	+6	NW'W	8	c	58	75	51	7	5	-	-	9+	9+	1400	0	3
Mildenhall	30.2	+14	SW'W	3	c	56	85	51	7	5	-	-	10	10	4500	0	*
Cranwell	28.5	+10	W'S	4	c	57	85	51	7	5	7	-	2-3	9+	2500	0	*
Birmingham	29.3	+10	WSW	3	c	54	85	50	8	5	-	-	10	10	1500	1	*
Upper Heyford	30.1	+12	SW'W	2	e	54	85	50	7	5	-	-	10	10	1800	0	*
Ross-on-Wye	31.6	+4	WSW	4	c	55	85	51	7	5	-	2	9	9+	2500	1	*
Hartland Point	30.9	+14	WSW	3	c	53	85	48	8	5	-	6	4-6	7-8	1500	0	4
Bristol	31.1	+6	SW	3	c	55	85	50	8	5	-	-	10	10	2500	1	*
Portland Bill	31.9	+18	SW	2	c	53	85	49	8	5	-	-	7-8	7-8	4000	1	2
Plymouth	31.8	+12	-	0	Zo	53	97	53	6	5	3	4	4-6	4-6	1000	0	2
The Lizard	30.9	+6	SSW	3	oF	51	97	51	2	5	-	-	10	10	400	1	2
Scilly (St. Mary's)	30.7	+8	SSE	3	f+	53	97	53	2	-	-	-	10	10	<150	1	3
Guernsey																	
Pembroke	30.0	+8	SW'S	4	c	52	97	52	7	8	-	-	10	10	2000	1	3
Holyhead (Valley)	28.1	+14	SSW	5	c	54	92	52	8	5	7	-	9	9+	600	1	3
Chester (Sealand)	28.3	+12	WSW	1	c	58	75	51	8	5	4	8	4-6	7-8	2000	0	*
Manchester	28.2	+14	SW	2	c	54	85	50	6	5	7	-	4-6	9	2500	0	*
Spurn Head	27.8	+14	SW'W	3	c	56	85	52	7	7	3	-	4-6	7-8	4000	0	2
Catterick	26.6	+16	WSW	3	c	56	85	52	8	5	7	-	7-8	10	1000	1	*
Tynemouth	24.4	+12	WSW	4	c	59	75	49	6	5	3	-	7-8	9	3000	1	3
St. Abbs Head	22.1	+16	SW	4	c	55	85	51	8	5	2	-	7-8	10	3000	0	3
Leuchars	21.9	+22	WSW	4	c	56	85	52	7	5	7	2	2-3	9+	3500	1	*
Renfrew (Abbots I.)	22.9	+18	SW	2	c/r	57	85	53	6	5	6	-	4-6	9+	900	1	*
Eskdalemuir	24.4	+16	SW'S	4	oF-	51	97	50	2	5	-	-	10	10	100	1	*
Point of Ayre	26.0	+14	W'S	4	c	60	85	55	8	5	-	-	9+	9+	2500	0	4
Tiree	19.9	+16	SW'W	3	rr	53	97	52	6	-	2	-	10	10	300	1	4
Stornoway	15.7	+8	SSW	5	c/r	54	97	54	7	5	2	-	9	10	1500	1	3
Dalwhinnie	20.1	+12	SW	3	o	52	85	48	8	5	-	-	10	10	2500	1	*
Aberdeen †	19.5	+20	S'W	3	c	58	75	50	7	5	7	-	4-6	10	4500	1	2
Wick	16.4	+18	SW'W	3	c/pr	55	85	51	8	5	2	-	9+	10	3500	1	*
Sumburgh	14.7	+20	WSW	4	df	47	97	47	2	-	-	-	10	10	<150	1	3
Blacksod Point	22.3	+6	SW	5	iro	55	92	53	7	6	2	-	4-6	10	800	1	4
Malin Head	21.0	+10	SW	5	c	57	75	50	8	5	2	-	4-6	10	1500	1	3
Aldergrove	24.1	+10	SW	3	iro	57	92	54	8	5	-	-	10	10	1200	1	*
Birr Castle	26.0	+16	S	2	c	57	85	53	8	5	2	-	7-8	10	2500	1	*
Valentia Obsy.	26.8	+10	SSW	4	ido	55	97	54	7	5	-	-	10	10	1500	4	4
Roches Point	28.6	+14	SW	3	c/d	54	97	53	8	5	-	-	9+	9+	1500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 1st Hrs. (38)
London (Kew)	67	52	45	-	-	8.2
Croydon	67	49	49	-	Tr	13.4
S. Farnborough	67	50	48	-	-	10.6
Boscombe Down	64	44	44	-	-	7.3
Thorney Island	63	49	42	-	-	0*0
Lympne	61	43	38	-	-	13.1
Manston	65	48	44	-	-	12.7
Shoeburyness	68	52	45	-	-	13.2
Felixstowe	66	53	50	-	-	12.1
Gorleston	64	55	50	-	-	7.3
Mildenhall	65	53	47	Tr	Tr	8.1
Cranwell	63	52	48	-	-	2.4
Birmingham	62	53	50	-	-	0.7
Upper Heyford	63	52	49	-	-	0.6
Ross-on-Wye	61	53	51	-	-	1.5
Hartland Point	56	52	51	Tr	-	1.8
Bristol	62	53	49	Tr	-	1.0
Portland Bill	55	49	*	-	-	*
Plymouth	58	48	43	-	-	3.5
The Lizard	59	50	*	-	Tr	7.9
Scilly (St. Mary's)	60	50	*	-	-	2.5
Guernsey						
Pembroke	54	47	*	0.1	0.1	0.0
Holyhead (Valley)	56	52	50	0.1	-	*
Chester (Sealand)	62	54	36	Tr	-	0.3
Manchester	60	51	48	Tr	-	*
Spurn Head		53	*	-	-	3.5
Catterick	61	54	51	0.6	Tr	0.4
Tynemouth	60	54	49	1	-	*
St. Abbs Head	61	52	*	2	-	*
Leuchars	60	59	50	1	0.2	1.3
Renfrew (Abbots I.)	57	54	51	7	1	0.1
Eskdalemuir	55	50	50	7	0.5	-
Point of Ayre	56	55	*	0.5	-	0.0
Tiree	55	52	*	6	3	0.0
Stornoway	55	51	-	10	6	0.0
Dalwhinnie	53	50	46	9	4	0.0
Aberdeen †	62	53	49	3	1	2.0
Wick	54	52	50	1	1	*
Sumburgh	48	47	41	1	0.2	4.5
Blacksod Point	58	54	*	0.5	0.1	*
Malin Head	(58)	55		0.1	0.5	0.1
Aldergrove	61	55	32	0.1	Tr	0.0
Birr Castle	65	56	54	-	-	1.6
Valentia Obsy.	59	54	53	Tr	0.2	0.1
Roches Point	57	53	*	0.1	0.1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 1st June IIIC$_L$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 62	62748	14468	62	62535	15268	62	62535	20368	02	22848	54468
115 52	62744	12368	--	67109	20469	--	67109	20469	--	67109	53469
203 6-	64838	16568									
206 52	62855	10268	57	62856	20467	5-	01855	20265	5-	02856	24318
210 67	62868	16368	57	22943	20567	5-	01975	20565	57	02801	20427
220									5-	58408	21458
230 02	54318	18468	62	64625	20358	62	21635	20468			
245 52	52747	15468	87	02945	53457	5-	02865	23365	59	02863	22327
260 52	64635	21568	53	02745	21466				50	02753	21415
278 57	02856	20368	52	02864	18358	57	02854	20225	52	21857	20358
279 5-	22638	18668	8-	05634	51767				5-	52538	18558
285									5-	08428	24628
288 02	05654	17468	5-	02848	53428	57	02845	20427	57	02844	19428
57[illegible] 27	51747	22468	5-	03748	53558	50	02747	20227	5-	02868	56468
301 47	02756	22558	53	02865	22527	55	02742	21617	5-	02867	23427
321 57	05675	17467	57	05645	20427	59	01753	22314	59	05674	22327
299 5-	05657	22327	5-	05658	16128	5-	02655	22215	57	02764	28216
298 5-	05668	18228	52	05845	21327	5-	02845	20325	52	02746	20228
310 --	02628	20428							--	03618	20328
61 57	05664	18328	57	05654	20427	5-	05666	20226	57	02764	22327

13h. G.M.T. 1st June IIIC$_L$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 51	02745	20568	5-	02787	20627				5-	02748	20228
334 --	53547	24388							--	02646	24217
340 5-	60958	29428	52	02957	21428	5-	02947	22217	54	02944	21415
136 07	02790	19428	57	02866	20428	53	02765	22427	50	02741	21326
336 52	02756	20428	52	02756	20428				57	02755	24428
350 63	00215	02234	5-	02867	20327	53	05634	20325	5-	02748	21318
368 57	02843	20258	53	02743	22428	5-	02748	22228	5-	02858	21328
379			57	02845	20428	57	05647	20428	5-	02747	20327
390 02	05690	20215	5-	02777	22227	5-	05667	18217	5-	05548	20228
382 17	02862	53427				5-	02748	22328	5-	02848	22228
433 08	00790	20302	07	01890	22314				44	01802	22314
430 84	01990	18303	03	01890	20315	50	05663	00014	5-	05627	22227
409 53	02945	18327	53	01854	21414	07	01795	17214	5-	02727	15327

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 2nd June 1942
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre
Kew	bcwcy	cbcyc	[illegible]	
Croydon	cmbcy	bcycy	cybccw	
Greenwich	bc⊙y	bccy	bcc	
Camden Square	b	bc	*	
Kensington	bc	bc	*	0.1
Hampstead	b	bc	o	4.0

Kew 24 hours ended 7h. Max. Time 7.3h. 15+ Min. 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	67	52	43	-	-	8.6	*	*
Croydon	67	49	49	-	Tr	13.4	*	*
Greenwich	71	52	41	-	Tr			
Westminster	68	53	51	-			71	88
Regents Park	69	53	49	-	-		59	73
Camden Square	71	53	47	-	-	*	*	78
Kensington	71	52	47	-	-		56	75
Hampstead	67	50	47	-	-		*	75

Page 1 BRITISH SECTION

SECRET

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

Wednesday 3rd June 1942

No. 29413

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)	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)	31.6	+6	WNW	2	bc	67	65	54	8	1	-	5	4-6	7-8	2500
	Croydon	31.1	-6	W	3	bc	69	55	55	8	1	-	2	2-3	4-6	2500
	S. Farnborough	31.9	-2	W	3	bc	70	55	53	8	1	-	4	4-6	7-8	3000
	Boscombe Down	32.0	0	W'S	1	bc	68	65	64	8	1	-	2	2-3	4-6	3000
	Thorney Island	32.4	+2	SSW	3	bc	61	75	53	8	-	-	8	0	4-6	-
	Lympne	31.7	-2	SW	2	bc	67	65	55	8	1	-	2	Tr	4-6	4000
	Manston	31.6	0	NW	1	bc	65	65	53	6	1	-	2	Tr	4-6	2800
2	Shoeburyness	31.8	-6	WSW	2	b	70	65	55	6	1	-	1	1	2-3	2500
	Felixstowe	31.5	+2	S'E	1	bc	69	55	54	8	5	-	-	7-8	7-8	2500
	Gorleston	30.9	+6	NW	1	c	65	65	54	7	5	-	-	9	9	2700
	Mildenhall	31.0	-2	SW	3	bc	64	65	52	8	5	-	-	7-8	7-8	3000
	Cranwell	29.9	+2	W	4	bc	66	63	55	6	5	-	2	4-6	7-8	2000
3	Birmingham	30.5	+2	SW	3	bc	64	65	52	8	7	4	1	4-6	4-6	4000
	Upper Heyford	31.6	+2	SW'W	3	z$_0$	63	65	52	6	5	-	-	7-8	7-8	2100
4	Ross-on-Wye	30.5	0	SSW	3	bc	66	75	56	7	1	-	9	2-3	2-3	3500
5	Hartland Point	31.9	+2	W	2	bc	57	85	51	8	1	-	-	1	1	2500
	Bristol	32.2	0	W	2	b	65	75	58	8	1	-	1	1	2-3	3800
	Portland Bill	32.3	+4	WNW	2	f/f	54	92	50	8	2	-	1	4-6	7-8	4000
	Plymouth	32.5	0	SW	2	bc	60	75	52	8	-	4	1	0	4-6	-
	The Lizard	31.9	0	SE	3	bc	60	75	52	8	2	6	-	2-3	4-6	3500
	Scilly (St. Mary's)	31.3	+2	SE'S	3	b	61	75	54	8	-	4	-	0	Tr	-
	Guernsey															
6	Pembroke	32.1	+4	S'W	4	c	55	92	52	7	8	6	-	4-6	7-8	2000
7	Holyhead (Valley)	29.8	+6	S'W	6	c	56	85	52	7	5	-	-	10	10	2300
	Chester (Sealand)	29.3	+2	SW	3	bc	69	55	53	9	5	4	8	2-3	4-6	3000
8	Manchester	29.6	+2	S'W	2	bc	65	65	54	8	1	-	-	7-8	7-8	3000
10	Spurn Head	29.2	+4	W'S	4	bc	68	65	56	7	2	3	2	2-3	4-6	4000
	Catterick	29.1	+12	SSW	3	c	61	75	54	8	5	1	-	7-8	10	1500
	Tynemouth	27.5	+12	WSW	3	c/pr	64	65	52	6	8	-	-	9+	9+	2400
11	St. Abbs Head	24.3	+10	S'W	4	c	62	75	55	8	5	4	-	7-8	9+	3000
	Leuchars	25.8	+6	WSW	5	c	63	75	53	7	2	9	9	2-3	9+	2500
12	Renfrew (Abbots I.)	25.1	+8	SW'W	4	c	62	75	54	8	8	7	-	4-6	9	1200
	Eskdalemuir	25.8	+2	SW	5	c	60	75	53	8	5	4	1	7-8	7-8	1500
	Point of Ayre	27.9	+4	W'S	5	c	66	75	58	8	7	-	-	9	9	3000
13A	Tiree	22.0	+6	SW	5	c	56	85	53	7	5	-	-	9+	9+	800
13B	Stornoway	17.7	+6	SSW	5	pr$_0$	55	97	54	8	8	7	-	7-8	10	1900
15	Dalwhinnie	22.5	+14	SW	3	ir$_0$	53	85	51	7	5	-	-	9+	9+	1500
	Aberdeen	22.9	+20	SSW	3	c	61	75	54	7	5	7	-	2-3	9+	2800
	Wick	19.4	+14	WSW	3	c/r	57	85	53	9	5	2	-	7-8	10	2300
16	Sumburgh	18.0	+10	SW	4	o/d	50	97	50	5	5	-	-	10	10	200
17	Blacksod Point	23.9	-10	SSW	6	ir$_0$	56	92	54	7	6	2	-	2-3	10	800
18	Malin Head	22.6	+6	SSW	4	bc	64	65	52	8	4	4	1	2-3	7-8	2500
	Aldergrove	26.0	+2	SW	5	c	63	75	55	9	7	-	8	4-6	7-8	2500
19	Birr Castle	27.0	+2	SW	3	c	68	65	56	8	8	-	-	7-8	7-8	1800
20	Valentia Obsy.	28.2	+6	S	5	id$_0$	57	92	55	6	5	-	-	10	10	800
	Roches Point	29.9	+6	SSW	5	id$_0$	56	97	55	5	5	-	-	10	10	800

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)	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)	31.2	-2	WNW	2	bc	73	55	56	8	1	4	1	Tr	2-3	2500	1	*
Croydon	30.3	-4	WSW	3	bc	73	55	55	8	1	-	2	Tr	2-3	2800	0	*
S. Farnborough	31.0	0	W	3	bc	73	55	54	8	1	-	4	2-3	2-3	3000	0	*
Boscombe Down	31.5	+2	W'N	1	b	71	65	61	8	-	-	1	0	1	-	0	*
Thorney Island	31.9	-2	S	3	b	63	75	54	9	1	-	1	Tr	1	4000	0	*
Lympne	31.1	-4	S	1	b	65	65	54	9	-	-	1	0	Tr	-	0	*
Manston	31.5	0	-	0	z$_0$	64	75	54	6	-	-	8	0	9	-	0	*
Shoeburyness	31.2	-2	E	2	bc	61	85	55	6	-	-	1	0	2-3	-	0	*
Felixstowe	31.5	-2	SSE	3	c	60	75	52	8	-	-	2	0	7-8	-	1	2
Gorleston	31.1	0	S	4	bc	59	85	54	6	-	-	1	0	4-6	-	0	4
Mildenhall	30.6	-4	WSW	2	bc	70	65	56	7	1	-	1	1	2-3	5700	0	*
Cranwell	29.4	-6	W'S	3	bc	71	55	56	7	-	-	9	0	2-3	-	0	*
Birmingham	30.5	0	WSW	3	b	69	55	54	8	1	-	-	Tr	1	4000	1	*
Upper Heyford	30.7	0	SW'W	3	b	70	65	56	7	1	-	1	Tr	1	3500	0	*
Ross-on-Wye	30.2	0	SW	3	b	68	65	54	8	-	-	-	0	0	-	1	*
Hartland Point	31.4	-4	NE	1	b	57	75	50	8	1	-	-	Tr	Tr	3000	0	3
Bristol	31.4	-4	W	2	b	69	65	57	8	-	-	1	0	Tr	-	1	*
Portland Bill	32.1	-2	S	2	bc	55	85	51	8	2	-	-	4-6	4-6	4000	1	2
Plymouth	32.3	-2	SW	2	b	59	65	48	9	-	-	-	0	0	-	0	2
The Lizard	31.5	0	E	2	bc	58	85	52	8	7	-	-	2-3	2-3	3500	0	2
Scilly (St. Mary's)	31.0	-2	SE	2	b	60	75	53	8	-	-	-	0	0	-	1	3
Guernsey																	
Pembroke	31.5	-2	S'E	3	b	59	75	52	8	-	-	-	0	0	-	0	2
Holyhead (Valley)	29.9	+2	S'W	5	c	55	85	50	8	5	-	-	2-3	9+	800	1	4
Chester (Sealand)	29.7	+4	SW	3	b	66	65	52	8	5	4	1	Tr	1	3000	0	*
Manchester	29.7	+2	SSW	3	bc	66	75	59	9	4	-	1	4-6	4-6	3000	0	*
Spurn Head	29.1	0	SSW	3	bc	64	75	54	7	7	3	5	4-6	4-6	4000	0	2
Catterick	28.8	-6	SW	3	bc	61	75	53	7	5	4	1	Tr	2-3	2000	0	*
Tynemouth	28.4	+6	WSW	4	bc	63	65	49	6	5	-	4	4-6	4-6	2400	1	3
St. Abbs Head	24.9	+2	SW	4	c	61	85	56	8	5	4	-	4-6	7-8	3000	0	3
Leuchars	24.7	+4	WSW	4	c	66	65	55	7	2	4	9	2-3	7-8	3000	0	*
Renfrew (Abbots I.)	25.7	0	SW'W	3	bc	62	75	54	7	7	3	-	4-6	4-6	1800	1	*
Eskdalemuir	28.1	+10	SW'S	4	c	54	92	51	7	5	-	-	10	10	1100	1	*
Point of Ayre	28.4	+4	SSW	5	b	57	92	55	7	5	4	-	Tr	1	1000	0	4
Tiree	23.5	+6	SW	4	id$_0$	55	92	53	7	5	-	-	9+	9+	1200	0	5
Stornoway	18.4	+2	SSW	6	c	55	92	53	8	5	7	5	7-8	9+	1500	1	4
Dalwhinnie	23.0	+4	SW	4	bc	57	75	50	8	5	4	-	2-3	4-6	2500	1	
Aberdeen	22.4	+2	SW	3	c	67	65	55	8	5	4	9	Tr	7-8	3000	1	2
Wick	20.2	+6	SW'W	4	c	62	65	52	9	8	7	-	4-6	9+	4000	1	*
Sumburgh	19.1	+2	S'E	3	vo/o	50	97	49	4	5	-	-	10	10	100	1	2
Blacksod Point	24.9	+2	S'W	6	id$_0$	55	92	53	6	-	2	-	10	10	2500	1	5
Malin Head	24.6	+16	W	2	c	59	85	55	8	4	-	-	9	9	2500	1	2
Aldergrove	26.3	+2	SSW	2	bc	67	65	56	9	7	-	8	4-6	4-6	3000	1	*
Birr Castle	27.3	+2	SSW	2	bc	67	65	56	8	1	-	-	2-3	2-3	2500	1	*
Valentia Obsy.	28.4	0	S	4	bc	59	85	55	9	1	4	-	7-8	7-8	2500	1	4
Roches Point	30.1	0	SW'S	3	c	56	92	54	8	5	-	1	4-6	7-8	1500	1	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 2nd (39)	Weather 13h.—18h. 2nd (40)	Weather 18h. 2nd to 1h. 3rd (41)	Weather 1h.—7h. 3rd (42)
London (Kew)	cwcbc	bcy	bbm$_0$w	bybbw
Croydon	cbc	bcyby	bbm$_0$w	bm$_0$w fg
S. Farnborough	cbc	bcbbc	bfybw	bwjfm$_0$
Boscombe Down	bcy	by	byom$_0$	bcfbm$_0$
Thorney Island	cm$_0$cbc	bcb	bbfg	bbw
Lympne	cbc	bcb	bbw	bwb
Manston	bcz$_0$	bcz$_0$	cz$_0$bm$_0$w	bwm$_0$
Shoeburyness	cm$_0$	bz$_0$bm$_0$	bm$_0$	bm$_0$
Felixstowe	cm$_0$c	cbccbc	cbybm$_0$w	bm$_0$w bwbbm
Gorleston	c	cbcz$_0$	bm$_0$	bm$_0$
Mildenhall	cbc	bc	bz$_0$bm$_0$	bm$_0$w
Cranwell	cbc	bcm$_0$b	bm$_0$w	bm$_0$w
Birmingham	cbc	bcb	b	b
Upper Heyford	cm$_0$z$_0$	cbcz$_0$b	b	b bm$_0$w
Ross-on-Wye	bccbc	bcb	b	bm$_0$w
Hartland Point	cbc	bcb	b	bw
Bristol	cb	b	bwbm$_0$w	bm$_0$wfg
Portland Bill	bffc	bcbc	bcb	bcbc
Plymouth	bc	b	bbm$_0$w	bwbm$_0$
The Lizard	bc	bc	bcw	bc
Scilly (St. Mary's)	offbc	b	bw	bw
Guernsey				
Pembroke	c	bfbcb	bw	bjfw
Holyhead (Valley)	c	c	cm$_0$	cm$_0$
Chester (Sealand)	bcy	cbcb	b	bwz$_0$
Manchester	cm$_0$mbc	bc	bcbm$_0$	bbm$_0$
Spurn Head	bc	c	b	bc
Catterick	cpr$_0$c	cbc	bbm$_0$	m$_0$jfbc
Tynemouth	cp$_0$	cbc	bcm$_0$	bcm$_0$
St. Abbs Head	c	c	cbcb	bcbcm$_0$b
Leuchars	c	cm$_0$bcc	cbcm$_0$	cm$_0$c
Renfrew (Abbots I.)	cm$_0$c	cbc	bccm$_0$w	bm$_0$w
Eskdalemuir	oid$_0$fc	c	ocm$_0$	oddf
Point of Ayre	c	cbcb	bbcb	bw
Tiree	pdrc	cid$_0$	cidr	pdf
Stornoway	cpr	cpr	c	odd
Dalwhinnie	oir$_0$c	cbc		c
Aberdeen	cz$_0$	cbc	bcc*	c
Wick	cir$_0$c	c	c	bcvcv
Sumburgh	pfid$_0$cm$_0$	cfo/m	cfo/oc	f
Blacksod Point	f	d	d	o
Malin Head	c	d	c	d
Aldergrove	c	bc	brc	cwbcb
Birr Castle	o	bc	•	b
Valentia Obsy.	d	d	bc	b
Roches Point	o	d	bc	b

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Light variable breeze; fine; warm.
11 S.E. Scotland	Moderate to light S.W. winds; fair to fine; warm.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland	Moderate S.W. to south winds, fresh at times on coast; rather cloudy; some occasional drizzle or light rain near the coast; close.
15 N.E. Scotland	Strong S.W. winds, moderating; cloudy; probably some
16 Orkneys and Shetlands	occasional light drizzle; average temperature.
17 N. W. Ireland	As 12-14.
18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Light S. to S.E. breeze, fine, warm.

GENERAL INFERENCE

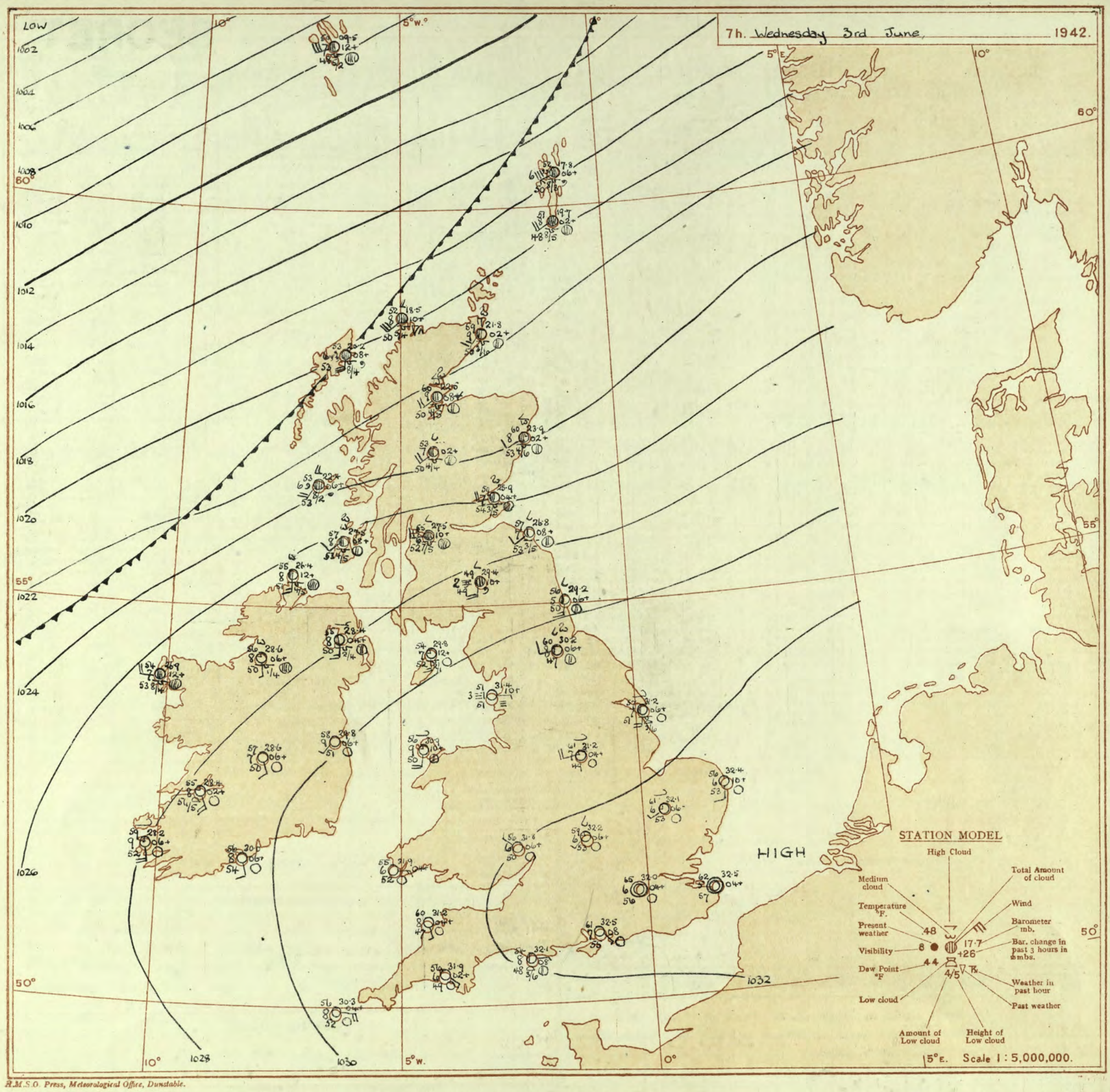
An anticyclone covers southern Britain and a depression over Iceland is deepening and moving northeast. Weather will be fine and warm in most districts, but there will continue to be cloud and occasional light rain or drizzle on the N.W. seaboard.

FURTHER OUTLOOK

Continuing fair or fine and warm.

Forecasts issued at 10.30 G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

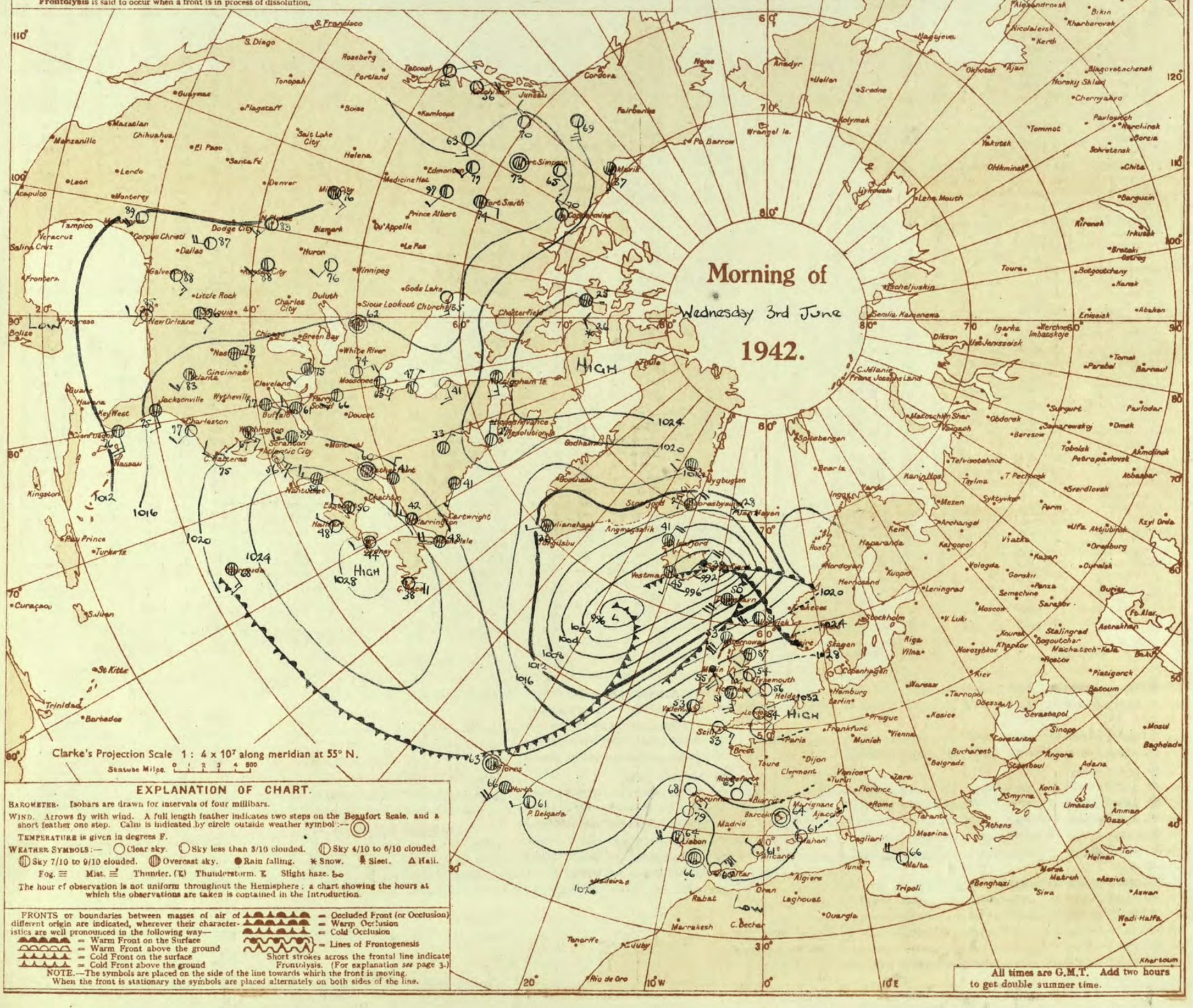
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Wednesday 3rd June 1942

No. 29413

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)	°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	*	*	*	*	*		*	*	*	*	*	*	*	*	*
	Croydon ...	290	31·6	+2	SSE	2	b	54	92	52	6	–	–	–	0	0	–
	S. Farnborough	226	32·0	0	–	0	b	55	85	51	8	–	–	–	0	0	–
	Boscombe Down	417	32·1	0	WNW	1	2o	56	97	55	6	–	–	–	0	0	–
	Thorney Island	10	32·0	-4	NW'N	2	fg	51	92	49	8	–	–	–	0	0	–
	Lympne ..	283	32·2	+2	–	0	b	50	97	49	8	–	–	–	0	0	–
	Manston ...	154	31·9	-2	–	0	b	54	92	52	7	–	–	–	0	0	–
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	31·6	-2	ESE	1	2o	55	97	54	6	–	–	–	0	0	–
	Gorleston ...	5	31·1	-4	SSW	1	2o	55	92	53	6	–	–	–	0	0	–
	Mildenhall ...	15	31·5	+2	S'E	2	2o	55	92	53	5	–	–	–	0	0	–
	Cranwell ...	203	30·2	+8	WSW	3	2o	55	92	52	5	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	31·7	+2	S	1	b	54	85	49	7	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	31·1	-8	ESE	2	b	54	85	49	8	–	–	–	0	0	–
	Bristol ...	209	32·0	0	–	0	2o	50	92	47	6	–	–	–	0	0	–
	Portland Bill ...	32	31·9	-2	NW	1	b	52	85	48	8	–	–	–	0	0	–
	Plymouth ...	82	31·9	-8	E'S	2	2o	48	92	46	6	–	–	–	0	0	–
	The Lizard ...	240	30·6	-6	ENE	3	bc	52	85	48	8	7	–	–	2-3	2-3	2500
	Scilly (St.Mary's)	163	30·1	-8	E'S	4	b	53	92	51	8	–	–	–	0	0	–
	Guernsey ...	175															
6	Pembroke ...	142	31·5	-4	E'S	3	b	51	97	50	8	–	–	–	0	0	–
7	Holyhead (Valley)	32	30·2	0	S	5	c	51	97	50	6	5	–	–	9+	9+	400
	Chester (Sealand)	16	30·5	-4	–	0	b	54	85	48	8	–	–	1	0	Tr	–
8	Manchester ...	235	30·6	-2	SW'S	2	b	54	85	51	6	–	4	–	0	Tr	–
10	Spurn Head ...	29	30·3	+4	WSW	2	b	56	92	53	7	–	–	–	0	0	–
	Catterick ...	175	30·1	0	W	1	2o	51	92	50	6	5	4	–	Tr	Tr	1800
	Tynemouth ...	108	28·7	0	WSW	3	bc	54	85	49	7	–	4	–	0	2-3	–
11	St. Abbs Head	280	25·9	+2	WSW	5	bc	52	97	52	8	4	2	–	2-3	4-6	2500
	Leuchars ...	36	25·3	0	WSW	3	2o	55	92	53	6	5	7	–	2-3	4-6	4000
12	Renfrew (Abbotsl.)	19	26·6	0	WSW	2	2o	54	92	52	6	5	–	2	2-3	7-8	3500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	28·6	+2	S'E	1	*b	52	97	52	8	–	4	–	*0	Tr	–
13A	Tiree	22	23·8	0	SW'S	3	dd	53	97	53	6	–	2	–	9+	9+	1200
13B	Stornoway ...	80	19·2	+2	SSW	6	c	53	97	53	7	5	7	–	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	23·5	+2	S'W	2	c	57	85	52	9	5	9	–	2-3	9+	7000
	Wick ...	114	21·4	0	SW	5	c	56	75	49	9	5	3	8	4-6	7-8	5700
16	Sumburgh ..	19	19·2	0	WSW	5	c	51	85	47	7	5	7	–	4-6	9	2500
17	Blacksod Point	18	25·5	+2	SSW	6	id.	53	97	52	7	6	2	–	4-6	10	800
18	Malin Head ...	84	24·7	-2	S	5	c	55	85	51	8	5	7	–	4-6	7-8	1500
	Aldergrove ...	268	27·7	+4	SW'W	1	c	56	97	55	7	5	4	8	9	9+	1400
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	28·0	-6	S'W	3	b	53	85	49	9	5	–	9	Tr	Tr	2500
	Roches Point	22	30·2	0	S'E	2	2o	51	97	50	6	5	–	–	+	+	1500

OBSERVATIONS at 7 hr. G.M.T. 3rd 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)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	32·8	+8	–	0	2o	61	85	56	6	–	–	–	0	0	–	1	*
Croydon ...	32·0	+4	–	0	2o	65	75	56	6	–	–	–	0	0	–	0	*
S. Farnborough	32·5	+6	–	0	2o	60	85	55	6	–	–	–	0	0	–	0	*
Boscombe Down	32·4	+2	–	0	bjf	58	92	55	6	5	–	–	1	1	<150	0	*
Thorney Island	32·5	+8	SE	1	b	61	85	55	7	–	–	–	0	0	–	0	*
Lympne ..	32·3	0	–	0	2o	62	85	57	6	–	–	–	0	0	–	0	§1
Manston ...	32·5	+4	–	0	2o	62	85	57	5	–	–	–	0	0	–	0	*
Shoeburyness...	32·4	+8	NW	1	b	63	85	57	6	–	–	–	0	0	–	0	*
Felixstowe ...	32·4	+4	–	0	2o	61	85	56	6	–	–	–	0	0	–	0	1
Gorleston ...	32·4	+10	SSW	2	2o	56	92	53	6	–	–	–	0	0	–	0	1
Mildenhall ...	32·1	+6	SW	1	2o	61	85	53	6	–	–	1	0	Tr	–	1	*
Cranwell ...	31·2	+4	W'S	4	b	61	65	49	7	–	–	–	0	Tr	–	0	*
Birmingham ...	31·6	+4	SSW	2	b	61	65	49	8	–	–	–	0	0	–	1	*
Upper Heyford	32·2	+6	SW'S	1	2o	59	85	53	6	–	4	–	0	Tr	–	0	*
Ross-on-Wye	31·8	+6	NW	1	2o	56	85	50	6	–	–	–	0	0	–	1	*
Hartland Point	31·2	+4	SSE	1	b	60	65	47	8	–	–	–	0	0	–	0	3
Bristol ...	32·8	+6	–	0	2o	59	85	55	6	–	–	–	0	0	–	1	*
Portland Bill ...	32·1	+8	E	1	bc	54	75	54	8	1	–	–	0	2-3	4000	1	2
Plymouth ...	31·9	+2	SE	1	2o	56	75	49	6	–	–	–	0	0	–	0	2
The Lizard ...	31·0	+4	ENE	3	bc	56	85	53	8	4	–	–	2-3	2-3	3500	0	3
Scilly (St.Mary's)	30·3	+4	E'S	4	b	56	85	52	8	–	–	–	0	0	–	0	3
Guernsey ...																	
Pembroke ...	31·9	+4	E'S	3	b	55	92	52	6	–	–	–	0	0	–	0	2
Holyhead (Valley)	30·9	+10	S'W	4	b	56	85	50	9	–	–	1	–	Tr	–	1	3
Chester (Sealand)	31·0	+8	SSE	1	2o	59	65	49	6	–	–	1	0	Tr	–	0	*
Manchester ...	31·3	+6	S	3	2o	59	75	48	6	–	4	1	0	1	–	0	*
Spurn Head ...	31·2	+6	S'W	4	bc	57	85	51	7	7	–	1	2-3	4-6	4000	0	2
Catterick ...	30·2	+6	WSW	2	bc	60	55	47	8	–	4	9	0	2-3	–	0	*
Tynemouth ...	29·2	+6	SSW	3	2o	56	85	50	5	–	4	–	0	2-3	–	0	2
St. Abbs Head	26·8	+8	SW	2	bc	57	85	53	7	6	4	–	2-3	2-3	2500	0	1
Leuchars ...	25·9	+2	WSW	4	c	59	85	54	7	5	–	9	2-3	7-8	2000	1	*
Renfrew (Abbotsl.)	27·5	+10	W'S	3	2o	55	92	52	6	5	1	–	9+	10	2500	1	*
Eskdalemuir ...	29·4	+10	SSW	4	df	49	97	49	2	–	2	–	10	10	<150	1	*
Point of Ayre...	29·8	+12	S'W	3	b	54	92	52	7	5	–	–	1	1	200	0	3
Tiree	24·4	+6	S'W'S	4	idc	53	97	53	6	–	2	–	10	10	400	1	4
Stornoway ...	20·2	+8	SSW	6	dd	53	97	53	6	5	–	–	10	10	1000	1	4
Dalwhinnie ...	22·3	+2	SW	4	c	53	85	50	7	5	4	–	4-6	7-8	1500	0	*
Aberdeen † ...	23·9	+2	SW	2	c	60	85	53	8	5	7	–	4-6	9+	3000	1	2
Wick ...	21·8	+2	SW'S	3	c	59	75	50	9	5	8	9	2-3	7-8	3000	0	*
Sumburgh ..	19·7	+2	SW	4	c	51	92	48	8	5	–	–	10	10	2500	1	3
Blacksod Point	26·9	+12	W	4	c	54	97	53	7	5	–	–	10	10	1500	1	3
Malin Head ...	26·4	+12	S'W	3	c	55	85	51	8	5	3	–	4-6	7-8	2500	0	2
Aldergrove ...	28·4	+4	S'W	3	bc	55	85	50	8	5	–	8	1	2-3	1000	1	*
Birr Castle ...	22·6	+6	SSE	2	b	57	75	49	7	–	–	–	0	0	–	1	*
Valentia Obsy.	28·2	+6	S	4	b	59	75	51	9	–	–	1	0	Tr	–	1	4
Roches Point	30·0	+6	SSE	2	b	56	92	54	8	–	–	–	0	0	–	1	8

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 2nd Hrs. (38)
London (Kew)	73	52	40	–	Tr	10·9
Croydon ...	73	51	51	–	Tr	13·1
S. Farnborough	74	49	40	–	–	13·7
Boscombe Down	72	49	47	–	Tr	13·2
Thorney Island	65	48	43	–	–	*
Lympne ..	69	48	41	–	–	13·6
Manston ...	68	51	42	–	Tr	13·6
Shoeburyness...	73	48	43	–	–	13·6
Felixstowe ...	69	51	43	–	–	8·6
Gorleston ...	68	53	30	–	–	7·6
Mildenhall ...	71	51	44	–	–	6·9
Cranwell ...	71	52	43	–	–	11·4
Birmingham ...	70	53	40	–	–	9·0
Upper Heyford	70	51	44	–	–	*
Ross-on-Wye	70	46	39	–	–	11·4
Hartland Point	57	53	48	–	–	12·3
Bristol ...	70	47	38	–	–	10·6
Portland Bill ...	57	50	*	–	–	*
Plymouth ...	62	45	36	–	–	12·2
The Lizard ...	63	51	*	Tr	–	12·5
Scilly (St.Mary's)	62	51	*	–	Tr	12·5
Guernsey ...						
Pembroke ...	60	45	*	Tr	–	6·5
Holyhead (Valley)	65	49	47	–	–	*
Chester (Sealand)	71	50	42	–	–	12·8
Manchester ...	68	51	42	–	–	*
Spurn Head ...	*	54	*	–	–	9·6
Catterick ...	64	50	43	Tr	–	8·4
Tynemouth ...	66	–	49	Tr	–	*
St. Abbs Head	66	51	*	–	–	–
Leuchars ...	68	55	50	–	–	5·4
Renfrew (Abbotsl.)	62	53	48	Tr	–	0·4
Eskdalemuir ...	60	49	49	Tr	0·6	0·1
Point of Ayre...	69	50	*	–	–	7·6
Tiree	57	52	*	0·3	1	0·0
Stornoway ...	55	52	*	1	0·2	0·2
Dalwhinnie ...	61	50	47	0·5	–	3·5
Aberdeen † ...	68	55	52	–	–	2·0
Wick ...	63	52	48	1	–	*
Sumburgh ..	51	49	47	2	3	0·2
Blacksod Point	57	52	*	Tr	0·2	5·5
Malin Head ...	66	53		–	–	
Aldergrove ...	69	51	33	Tr	Tr	3·6
Birr Castle ...	69	49	45	–	–	11·0
Valentia Obsy.	59	51	47	Tr	Tr	3·4
Roches Point	58	51	*	0·3	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 2nd June				18h. G.M.T.			01h. G.M.T. 3rd 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 52	51746	15268	57	03735	20468	59	01861	14314	59	02863	53515
115 --	67209	53463	52	81735	37688	52	14135	87688	52	02845	87688
203											
206 57	61855	22466	57	01864	22565	54	01863	20414	57	01954	20415
210 57	02964	20327	59	02961	53615	09	02990	54525	59	01963	20424
220 5-	03418	22458							52	03736	20428
230 62	21635	16268	8-	02957	18327	5-	51958	00028	60	61646	20258
245 57	02864	57327	09	02990	55527	09	02790	21327	59	02763	22316
260 57	02854	22466	44	01863	22424	50	01753	18413	50	02744	19415
278 57	02853	18326	52	02856	14317	43	01734	14224	5-	01734	12324
279 5-	05647	52627	57	05855	55526	5-	02728	20428	54	05643	19413
285									74	01743	28814
288 53	02855	53428	40	01873	21413	04	01790	20214	04	00890	20204
575 57	02947	14327	50	01854	55424	5-	02847	17227	53	00841	16121
301 57	02863	24425	70	00851	24302	00	08490	00000	00	41590	19140
321 5-	05655	23325	54	01763	18314	04	05690	20201	50	05641	19101
299 57	05763	24214	54	05644	22214	00	00790	00000	64	00861	24102
292 5-	02747	22327	04	01790	56213	04	05690	18111	04	05690	18101
310 --	01634	24414									
314 20	02774	22325	10	02763	22213	00	05690	22100	00	05590	24100

13h. G.M.T. 2nd June				18h. G.M.T.			01h. G.M.T. 3rd 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
333 5-	21738	18328	50	00953	18453	5-	01841	12151	00	00990	12200
334 --	02754	26315	—	02753	22214				--	00690	20102
340 13	00243	05233				00	00890	15301	00	00999	18200
136 10	02764	22325	54	01762	21213	00	05690	20100	00	05690	22101
336 10	01764	28414	00	00790	20300				70	00790	16300
350 8-	05656	21326				00	05690	17200	00	05690	20200
368 10	00952	23413	00	00990	17201	00	05590	00000	00	17890	06100
379 3-	37950	01744	04	00990	22311	00	00790	20200	00	00890	23200
390 5-	05655	22325	10	00761	26113		08490	00000	00	05590	00000
382 7-	05855	21225	00	00990	24402	00	00790	00000	00	05690	00000
438 08	01890	22314	44	01963	22314	00	00790	04200	00	00790	00000
430 00	01890	18314	00	00890	20312	00	00790	28200	00	00790	08100
409 09	00990	15201	00	00990	17200	00	00790	32200	00	00990	14200

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 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	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	cwebc	bcy	bmcybw	Kew 24 hours ended 7h. Max. Time 0·1 0-7h 3rd; Min. Time 40·1 7-21h 2nd
Croydon ...	ebc	bcyby	bm.wfg	
Greenwich ...	ebc	by	buzy	
Camden Square	c	b	*	
Kensington ...	bc	bc	*	
Hampstead ...	bc	b	b	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	73	52	40	-	Tr	10·9	*	*
Croydon ...	73	51	51	-	Tr	13·1	*	*
Greenwich ...	75	52	37	-	-	10·8	50	55
Westminster ...	79	54	51	-	-		69	69
Regents Park ...	75	54	45	-	-		45	54
Camden Square	77	55	46	-	-	*	*	58
Kensington ...	76	53	44	-	-		53	53
Hampstead ...	77	56	48	-	-		*	63

Page 1

BRITISH SECTION

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

SECRET

Thursday 4th June 1942

No. 29414

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)	310	−14	SW	1	bc	76	45	53	7	1	–	5	Tr	2-3	2500
	Croydon	30.6	−12	WNW	1	z₀	78	45	56	6	5	–	–	2-3	2-3	3500
	S. Farnborough	31.0	−12	ENE	2	b	80	45	58	8	4	–	–	1	1	4000
	Boscombe Down	31.2	−10	SSW	1	b	78	45	57	8	–	–	–	0	0	–
	Thorney Island	31.8	−6	S'W	3	b	71	65	58	9	1	–	–	Tr	Tr	4000
	Lympne	31.9	+8	SE	1	z₀	67	65	57	6	1	–	–	Tr	Tr	5000
	Manston	32.1	−6	SSE	1	z₀	70	65	55	6	–	–	–	0	0	–
2	Shoeburyness	33.1	−6	ESE	2	b	69	75	60	7	–	–	–	0	0	–
	Felixstowe	32.1	−4	SSE	2	b	64	75	56	7	1	–	–	Tr	Tr	2500
	Gorleston	32.2	−4	SE	2	b	62	75	54	7	–	–	–	0	0	–
	Mildenhall	32.3	−10	S'W	1	b	80	45	54	8	1	–	–	Tr	Tr	2500
	Cranwell	30.8	−4	SW'W	3	b	77	35	49	7	–	–	–	0	0	–
3	Birmingham	31.0	−2	SSW	2	b	75	45	53	8	–	–	–	0	0	–
	Upper Heyford	30.9	−10	SSW	1	b	77	45	55	8	1	–	–	Tr	Tr	3500
4	Ross-on-Wye	30.8	−6	W'S	2	b	77	35	50	8	–	–	–	0	0	–
5	Hartland Point	31.2	−2	NE	2	b	62	75	50	8	–	–	–	0	0	–
	Bristol	31.5	−8	S	1	b	78	45	56	8	1	–	–	Tr	Tr	4000
	Portland Bill	31.7	−14	E	1	bc	60	85	56	8	1	–	–	2-3	2-3	4000
	Plymouth	31.6	−6	SSE	3	b	73	55	57	8	–	–	–	0	0	–
	The Lizard	31.0	−4	NE	2	bc	61	75	52	8	4	–	–	2-3	2-3	3500
	Scilly (St. Mary's)	30.4	0	E'S	4	b	63	75	56	8	–	–	–	0	0	–
	Guernsey															
6	Pembroke	32.6	+4	SE	3	bjf	61	75	50	7	–	–	–	0	0	–
7	Holyhead (Valley)	31.4	+4	SSW	3	b	66	55	48	9	–	–	–	0	0	–
	Chester (Sealand)	30.7	−2	WNW	3	b	71	55	51	8	–	–	–	0	0	–
8	Manchester	31.0	−2	–	0	b	73	45	52	8	–	–	–	0	0	–
10	Spurn Head	30.6	−8	SSE	2	b	67	65	54	7	–	–	–	0	0	–
	Catterick	30.2	0	WSW	4	b	73	35	47	9	–	–	–	0	0	–
	Tynemouth	29.3	0	E	1	z₀	63	65	50	6	–	–	–	0	0	–
11	St. Abbs Head	27.1	0	NNE	3	b	68	65	56	8	5	4	–	Tr	Tr	3000
	Leuchars	26.9	+2	WSW	5	bc	69	65	56	8	1	4	9	1	4-6	2500
12	Renfrew (Abbots I.)	28.3	0	WSW	3	bc	67	55	52	9	5	4	8	2-3	4-6	3500
	Eskdalemuir	29.2	0	SSW	4	bc	61	75	53	8	7	–	–	2-3	2-3	2800
	Point of Ayre	30.1	0	S	3	b	67	75	59	8	–	–	8	0	Tr	–
13A	Tiree	26.8	+8	SW	4	c	56	85	52	7	5	–	–	7-8	7-8	2500
13B	Stornoway	23.8	+24	WSW	5	c.	60	85	54	7	5	3	9	4-6	7-8	1500
15	Dalwhinnie	26.6	+16	SW	4	c	60	65	49	8	5	–	9	2-3	7-8	2500
	Aberdeen	25.0	+2	WSW	3	bc	73	65	60	9	1	9	–	1	4-6	2700
	Wick	23.9	+20	SW	5	c	63	75	53	9	5	1	–	7-8	9	2500
16	Sumburgh	20.9	+6	WSW	6	z₀	52	92	51	6	5	7	–	9	10	500
17	Blacksod Point	27.6	−2	SSW	4	c	59	85	51	8	8	3	–	4-6	7-8	2500
18	Malin Head	27.1	−2	WNW	3	bc	61	75	54	8	5	–	1	2-3	4-6	2500
	Aldergrove	28.6	−4	SW	3	b	70	55	53	9	1	4	–	Tr	1	3500
19	Birr Castle	28.0	−10	S	2	bc	75	55	50	7	1	–	–	2-3	2-3	2500
20	Valentia Obsy.	27.8	−4	S	4	b	72	65	60	8	–	–	1	0	Tr	–
	Roches Point	29.8	−2	SEE	3	b	60	85	55	8	–	–	–	0	0	–

OBSERVATIONS at 18h. G.M.T. 3rd 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)	29.8	−6	E'N	2	bc	65	45	46	7	7	–	1	2-3	4-6	2500	0	*
Croydon	29.3	−2	E	1	b	77	55	59	7	1	–	–	Tr	1	2500	0	*
S. Farnborough	29.5	−4	NE	2	c	80	45	56	8	4	–	2	1	7-8	4000	0	*
Boscombe Down	29.8	−6	–	0	b	78	45	58	8	–	–	–	0	0	–	0	*
Thorney Island	30.4	−6	S	2	bc	65	75	54	7	–	–	6	0	4-6	–	0	*
Lympne	30.5	−6	SE	1	b	68	65	56	7	–	–	–	0	0	–	0	§ 1
Manston	30.9	−6	ESE	1	b	69	65	56	7	–	–	–	0	0	–	0	*
Shoeburyness	30.8	−8	ESE	2	b	65	75	58	7	–	–	–	0	0	–	0	*
Felixstowe	31.4	−4	SSE	1	b	63	75	55	8	–	–	–	0	0	–	0	1
Gorleston	31.2	−2	S	2	b	60	65	49	7	–	–	–	0	0	–	0	3
Mildenhall	30.0	−6	WSW	2	b	80	35	52	8	–	–	–	0	0	–	0	*
Cranwell	29.7	−2	W'N	3	b	79	35	52	7	–	–	–	0	0	–	0	*
Birmingham	29.7	−4	SSW	1	b	78	45	56	8	–	–	–	0	0	–	0	*
Upper Heyford	29.9	−6	–	0	b	80	35	52	8	1	–	–	Tr	Tr	4500	0	*
Ross-on-Wye	29.5	−6	SW	2	b	78	45	55	8	–	–	–	0	0	–	0	*
Hartland Point	29.4	−10	NE	2	b	65	45	44	8	–	–	–	0	0	–	0	3
Bristol	30.1	−2	NW	2	b	77	55	59	8	1	–	–	Tr	Tr	4000	0	*
Portland Bill	31.0	−4	W	1	bc	64	85	59	8	1	–	–	2-3	2-3	4000	1	2
Plymouth	30.3	−2	SW	2	b	61	75	53	8	–	–	–	0	0	–	0	2
The Lizard	29.8	−6	ENE	2	b	60	75	52	8	–	–	–	0	0	–	0	3
Scilly (St. Mary's)	29.2	−12	E'S	3	b	61	85	56	8	–	–	–	0	0	–	0	3
Guernsey																	
Pembroke	30.0	−12	SE	2	bjf	66	65	54	8	–	–	–	0	0	–	0	2
Holyhead (Valley)	29.7	−10	S'W	3	b	62	65	46	9	–	–	1	0	Tr	–	0	2
Chester (Sealand)	30.0	−2	WNW	1	b	73	65	58	7	–	–	–	0	0	–	0	*
Manchester	30.1	−2	–	0	b	73	55	55	6	–	–	–	0	0	–	0	*
Spurn Head	29.9	−8	SSE	3	b	60	75	52	7	–	3	–	0	1	–	0	1
Catterick	30.2	+2	SW	2	b	73	45	47	9	–	–	–	0	0	–	0	*
Tynemouth	29.2	0	E	2	bc	65	65	52	7	–	4	–	0	2-3	–	0	2
St. Abbs Head	27.2	+6	–	0	bc	66	55	50	8	5	–	–	4-6	4-6	5000	0	2
Leuchars	26.9	−2	WSW	4	c	68	55	53	8	–	5	6	0	7-8	–	0	*
Renfrew (Abbots I.)	27.5	−6	W	3	bc	69	65	56	9	1	3	5	1	4-6	3500	0	*
Eskdalemuir	29.2	−2	S'W	4	b	64	65	52	8	1	4	5	Tr	1	3500	1	*
Point of Ayre	28.5	−4	–	0	b	64	75	57	8	–	–	8	0	Tr	–		1
Tiree	26.6	0	SW	2	bc	56	85	52	8	1	3	6	1	2-3	3500	0	4
Stornoway	24.7	+2	SSW	4	c/d	53	97	53	7	5	2	–	7-8	10	1000	1	2
Dalwhinnie	26.5	+2	SSW	4	c	61	65	47	8	8	4	9	4-6	9	2500	0	*
Aberdeen	26.4	+14	NEE	3	c	62	65	52	8	4	9	–	Tr	7-8	2700	1	2
Wick	24.8	+6	WSW	4	c	63	75	54	9	8	3	–	7-8	7-8	2500	0	*
Sumburgh	23.3	+6	WSW	4	bc	51	92	49	7	5	4	9	1	2-3	400	0	5
Blacksod Point	27.0	−8	S	2	bc	60	75	52	8	–	–	5	0	4-6	–	0	2
Malin Head	26.9	−6	E	3	bc	55	85	51	8	5	–	5	2-3	4-6	2500	0	2
Aldergrove	27.5	−6	SW	3	bc	73	45	52	9	1	–	5	1	2-3	3500	0	*
Birr Castle	26.8	−4	S	3	bc	75	55	59	8	1	–	4	2-3	2-3	2500	0	*
Valentia Obsy.	27.0	−4	SE'E	4	b	69	65	56	8	–	–	1	0	Tr	–	0	3
Roches Point	28.9	−6	SE	3	b	60	85	55	8	–	4	–	0	Tr	–	0	3

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 3rd (39)	13h.–18h. 3rd (40)	18h. 3rd to 1h. 4th (41)	1h.–7h. 4th (42)
London (Kew)	bm₀bcy	bcy	bcy bw	bmw
Croydon	bc	bcz₀y	byb m₀w	bm₀w
S. Farnborough	by	bcy	bcybm₀wjf	bwjfm₀
Boscombe Down	bm₀b	by	byb	bfg
Thorney Island	bwb	bbq	bcbfgw	
Lympne	bz₀	bz₀b	bbm₀w	bm₀wb
Manston	bm₀z₀	bz₀b	bbz₀m₀	bm₀
Shoeburyness	bm₀b	b		bm₀
Felixstowe	bm₀b	bm₀b	bbm₀	bm₀b
Gorleston	bz₀b	b	b	cz₀w
Mildenhall	bby	by	bbm₀	bm₀wbm₀
Cranwell	by	bybz₀	bm₀	bm₀b
Birmingham	b	b	b	bz
Upper Heyford	bm₀wb	by	b	bm₀
Ross-on-Wye	by	by	bw	b
Hartland Point	b	by	b	by
Bristol	by	by	b	bm₀w
Portland Bill	bc	bc	bc	bcbc
Plymouth	bm₀b	b	bbwm₀	bwm₀
The Lizard	bc	bc	bcb	bbc
Scilly (St. Mary's)	b	b	b	bc
Guernsey				
Pembroke	bjf	bjf	bcy	bwjf
Holyhead (Valley)	by	bv	b	b
Chester (Sealand)	cz₀by	by	bym₀	bcbmw
Manchester	by	bz₀y	bz₀m₀	bm₀w
Spurn Head	b	bcb	bm₀	bm₀
Catterick	bcybc	by	bbw	bbcbbc
Tynemouth	bcbm₀	bbc	bcm₀	bcm₀
St. Abbs Head	b	bbc	bcb	bbcc
Leuchars	bcbbc	bccy	cbcm₀	bccwbc
Renfrew (Abbots I.)	bccbc	bybc	bc,m₀w	bccm₀w
Eskdalemuir	ofecbc	bcbv	b	bbcc
Point of Ayre	b	b	b	bbcb
Tiree	bc	bc	c	c
Stornoway	cdd	cd₀d₀	cd₀d₀	cidpr
Dalwhinnie	c	c	*	cbc
Aberdeen	cbc	bcc	cbce	bcw
Wick	c	c	c	bcc
Sumburgh	cid₀rc	cbcbbc	bcfd₀d₀cm₀	[illegible]
Blacksod Point	c	bc	bc	d
Malin Head	bc	bc	c	f
Aldergrove	bby	bbcy	bc	bccbw
Birr Castle	bc	bc	*	bc
Valentia Obsy.	b	b	b	b
Roches Point	b	b	b	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 4th 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; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Light variable winds; fine: warm.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland	Light to moderate west or southwest winds. Fair with some bright periods; rather warm.
13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate or fresh west or southwest winds. Mainly cloudy with slight local rain or drizzle; rather warm.
16 Orkneys and Shetlands	As 13B-15
17 N. W. Ireland	As 11-13A.
18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 1-10.

GENERAL INFERENCE

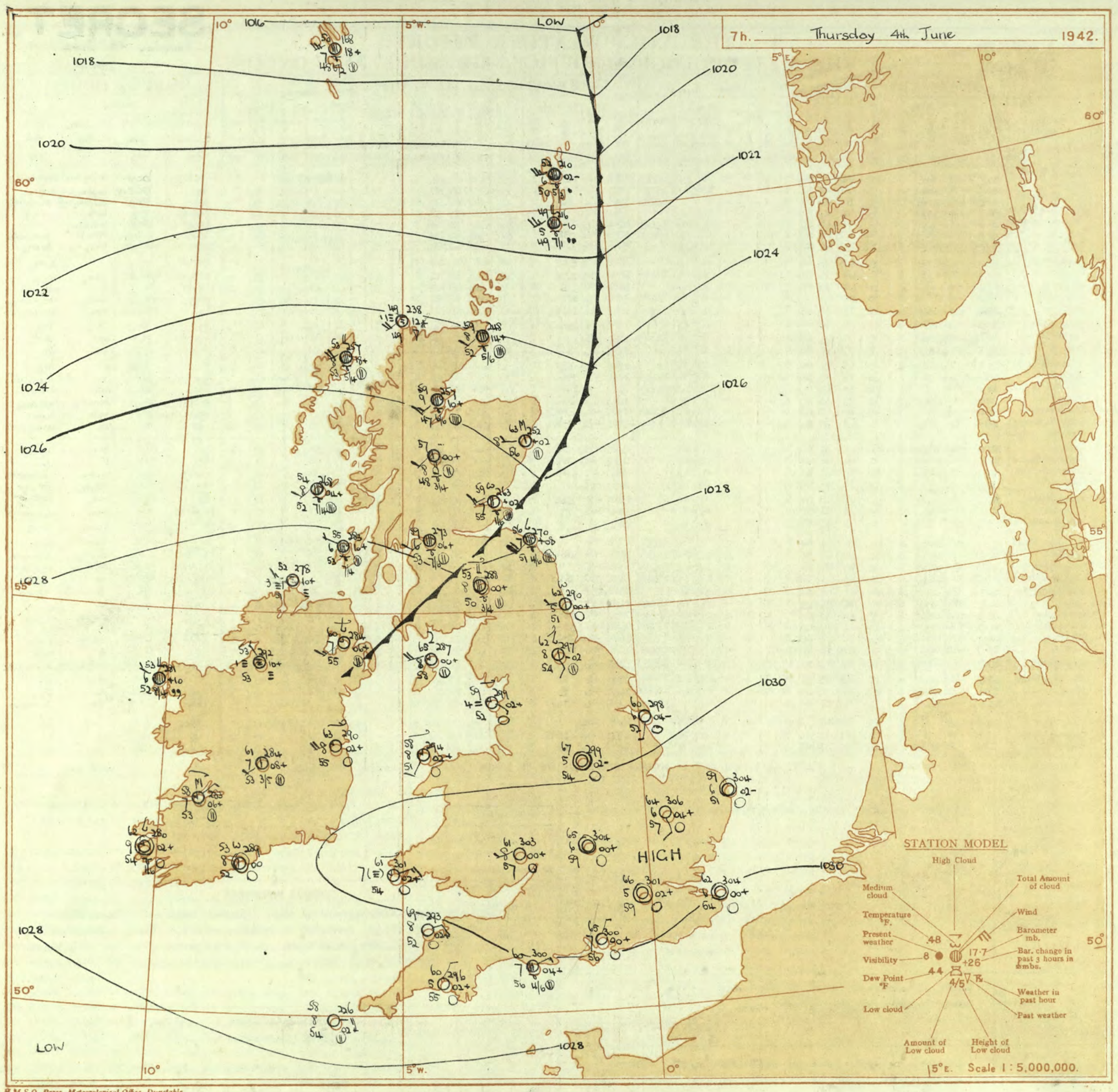
An anticyclone covering most of the British Isles will cause the fine warm weather to continue in most districts. There will however be low cloud, light rain or drizzle and fog patches on the Northwest coasts of Scotland and Ireland, and variable cloud in Northeast Scotland.

FURTHER OUTLOOK

Little change.

Forecasts issued at 1030 G.M.T.

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

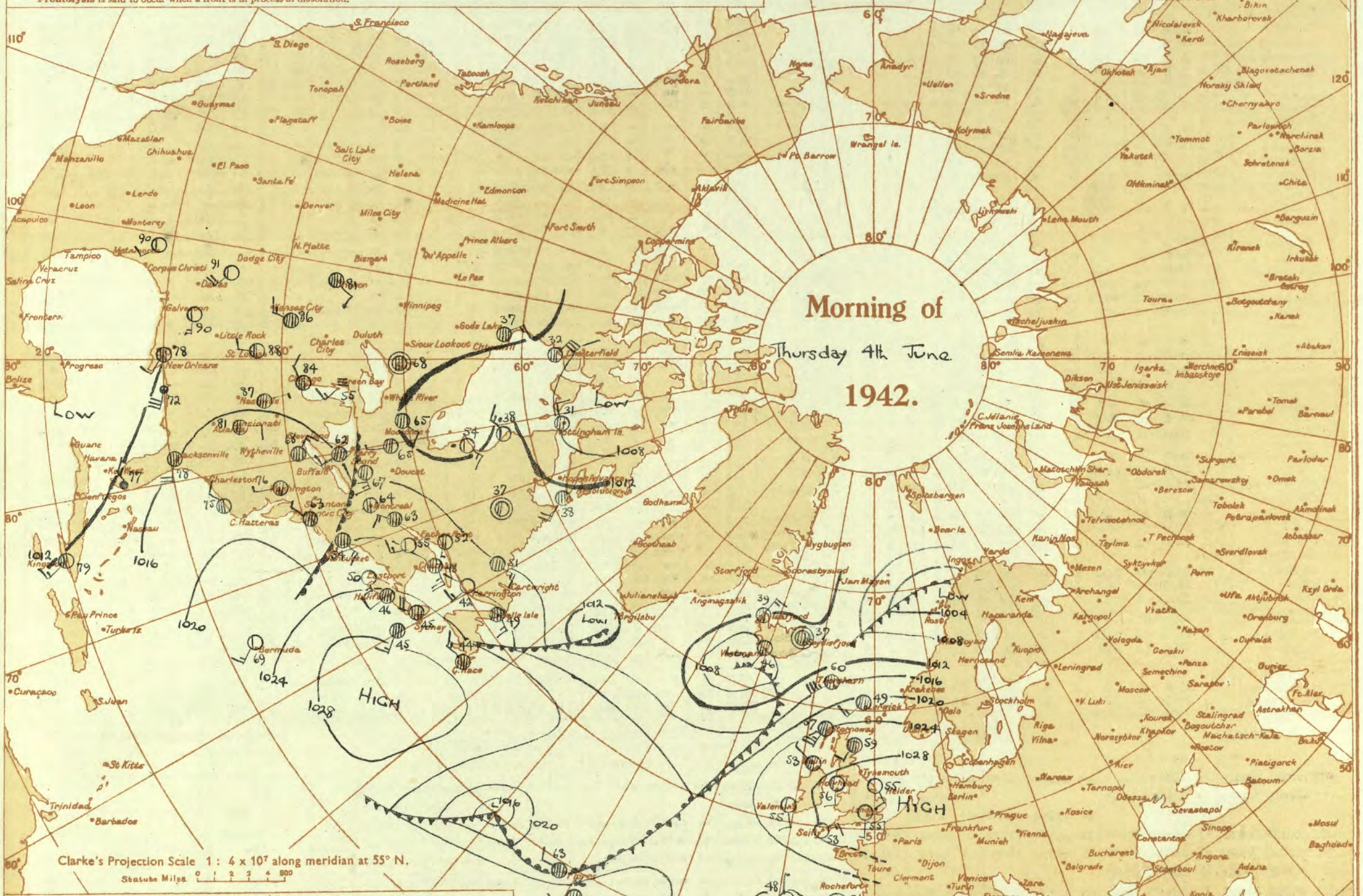
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Thursday 4th June 1942

No. 29414

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	*	*	*	*	*	59	*	*	*	*	*	*	*	*	*
	Croydon ...	290	30·2	-2	S	1	Z_0	55	97	54	5	–	–	–	0	0	–
	S. Farnborough	226	30·6	0	–	0	bjf	58	92	55	5	–	–	–	0	0	–
	Boscombe Down	417	30·5	-2	–	0	b	62	78	54	7	–	–	–	0	0	–
	Thorney Island	10	30·3	0	NNE	1	b	54	97	52	7	–	–	–	0	0	–
	Lympne ..	283	30·7	-2	–	0	Z_0	55	85	50	6	–	–	–	0	0	–
	Manston ...	154	31·2	+2	–	0	Z_0	53	85	50	6	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	31·0	-2	–	0	Z_0	55	85	50	6	–	–	–	0	0	–
	Gorleston ...	5	31·2	0	–	0	b	57	85	53	7	–	–	–	0	0	–
	Mildenhall ...	15	30·7	0	S	1	Z_0	58	85	54	6	–	–	–	0	0	–
	Cranwell ...	203	30·1	0	–	0	Z_0	55	85	51	6	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	30·2	-2	–	0	b	61	75	54	7	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	29·6	0	S	1	b	62	75	53	8	–	–	–	0	0	–
	Bristol ...	209	30·4	-2	–	0	Z_0	57	85	53	6	–	–	–	0	0	–
	Portland Bill ...	32	29·8	-2	W	1	bc	58	85	54	7	5	–	–	4-6	4-6	4000
	Plymouth ...	82	30·0	-4	E	1	Z_0	55	92	53	6	–	–	–	0	0	–
	The Lizard ...	240	29·9	-6	NE'E	3	b	58	85	52	8	–	–	–	0	0	–
	Scilly (St. Mary's)	163	28·9	-4	E'N	3	b	53	85	50	8	–	–	–	0	0	–
	Guernsey ...	175															
6	Pembroke ...	142	30·1	-4	E	2	b	60	75	50	8	–	4	–	0	1	–
7	Holyhead (Valley)	32	29·2	+6	S	2	b	56	85	50	8	–	4	9	0	Tr	–
	Chester (Sealand)	16	30·0	-2	–	0	bc	54	92	53	6	–	4	5	0	2-3	–
8	Manchester ...	235	30·0	-2	–	0	Z_0	54	92	52	6	–	–	–	0	0	–
10	Spurn Head ...	29	30·4	0	S'E	2	Z_0	55	85	51	6	–	–	–	0	0	–
	Catterick ...	175	29·8	-6	S'E	1	b	53	85	47	8	–	4	–	0	Tr	–
	Tynemouth ...	108	29·0	-2	NW	2	bc	59	75	50	6	–	4	–	0	2-3	–
11	St. Abbs Head	280	26·9	-6	SW	4	bc	54	85	48	8	5	4	–	2-3	2-3	4000
	Leuchars ...	36	26·8	-6	WSW	1	Z_0	58	85	52	6	–	5	4	0	7-8	–
12	Renfrew (Abbots I.)	19	27·1	-6	–	0	Z_0	52	92	50	6	5	3	–	2-3	4-6	4000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	28·5	0	S	2	b	54	97	53	8	4	–	–	Tr	Tr	3000
13A	Tiree	22	26·4	-2	SSW	1	0	52	92	50	7	5	–	–	10	10	1500
13B	Stornoway ...	80	24·0	-6	SSW	5	c/d	51	97	50	7	5	2	–	7-8	9+	1000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	25·6	-14	SSW	2	c	59	85	52	8	–	7	–	0	9	–
	Wick ...	114	23·7	-10	W'S	2	c	55	85	50	9	8	7	–	4-6	9+	2500
16	Sumburgh ..	19	23·4	-8	SW	3	Z_0	49	97	49	6	5	2	–	9	10	1500
17	Blacksod Point	18	27·0	+2	W'N	1	c	54	97	53	7	–	1	–	0	10	–
18	Malin Head ...	84	26·4	-2	NNW	1	c	53	92	51	8	8	–	–	9+	9+	2500
	Aldergrove ...	268	27·5	+2	SSE	2	bc	61	85	56	8	5	–	8	2-3	4-6	3000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	27·8	+2	S	2	b	55	92	53	8	5	–	–	Tr	Tr	2500
	Roches Point	22	29·3	0	E	1	b	45	97	44	8	–	–	–	0	0	–

OBSERVATIONS at 7 hr. 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)	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)	30·5	+2	–	0	m	64	85	59	4	–	–	–	0	0	–	1	*
	Croydon ...	30·1	+2	–	0	Z_0	66	75	59	5	–	–	–	0	0	–	0	*
	S. Farnborough	30·4	+2	–	0	Z_0	62	85	57	6	–	–	–	0	0	–	0	*
	Boscombe Down	30·3	-2	–	0	fg	65	65	56	6	–	–	–	0	0	–	0	*
	Thorney Island	30·0	0	NNE	1	b	65	75	56	7	–	–	–	0	0	–	0	*
	Lympne ..	29·9	-4	NE	1	b	63	75	60	7	–	–	–	0	0	–	0	1
	Manston ...	30·4	0	–	0	Z_0	62	75	54	6	–	–	–	0	0	–	0	*
2	Shoeburyness ...	30·5	0	–	0	b	64	75	56	6	–	–	–	0	0	–	0	*
	Felixstowe ...	30·6	-4	–	0	b	63	75	56	7	–	–	–	0	0	–	0	1
	Gorleston ...	30·4	-2	–	0	Z_0	59	75	51	6	–	–	–	0	0	–	0	1
	Mildenhall ...	30·6	+4	S'E	2	Z_0	64	75	57	6	–	–	–	0	0	–	0	*
	Cranwell ...	29·6	+2	W'S	2	b	68	65	55	7	–	–	–	0	0	–	0	*
3	Birmingham ...	29·8	+2	–	0	Z_0	71	65	59	6	–	–	–	0	0	–	0	*
	Upper Heyford	30·4	0	–	0	Z_0	65	85	59	6	–	–	–	0	0	–	0	*
4	Ross-on-Wye	30·3	0	W'S	1	b	61	85	57	8	–	–	–	0	0	–	0	*
5	Hartland Point	29·3	+2	ENE	2	b	69	55	52	8	–	–	–	0	0	–	0	3
	Bristol ...	30·2	0	–	0	Z_0	65	85	60	6	–	–	–	0	0	–	0	*
	Portland Bill ...	30·0	+4	SE'S	1	bc	60	85	56	7	5	–	–	4-6	4-6	4000	1	2
	Plymouth ...	29·6	+2	NNE	1	Z_0	60	85	55	5	–	–	–	0	0	–	0	1
	The Lizard ...	29·0	-2	NE	3	bc	60	85	54	8	4	–	–	2-3	2-3	3800	0	3
	Scilly (St. Mary's)	28·6	+2	E	3	b	58	85	54	8	–	–	–	0	0	–	0	2
6	Pembroke ...	30·1	+2	E'N	3	bjf	61	65	54	7	–	–	1	0	Tr	–	0	1
7	Holyhead (Valley)	29·4	+2	SSW	2	b	58	75	51	8	–	–	1	0	Tr	–	1	1
	Chester (Sealand)	29·8	+2	–	0	m	61	83	56	4	–	–	–	0	0	–	0	*
8	Manchester ...	30·0	+2	–	0	Z_0	61	85	56	6	–	–	–	0	0	–	0	*
10	Spurn Head ...	29·8	-4	S'W	1	Z_0	60	75	51	6	–	–	–	0	0	–	0	2
	Catterick ...	29·7	-2	SSE	2	bc	62	75	54	6	–	4	4	0	2-3	–	0	*
	Tynemouth ...	29·0	0	W	1	Z_0	62	65	51	5	–	3	–	0	2-3	–	0	3
11	St. Abbs Head	27·0	+8	SW	4	c	56	85	51	7	5	4	–	4-6	9	3500	0	3
	Leuchars ...	26·3	+2	WSW	3	bc	59	85	55	7	5	3	–	Tr	4-6	3500	1	*
12	Renfrew (Abbots I.)	27·3	+6	SW'W	2	Z_0	59	85	53	6	5	–	–	9+	9+	4000	1	*
	Eskdalemuir ...	26·8	0	–	0	c	53	92	50	8	5	2	1	2-3	7-8	1200	1	*
	Point of Ayre...	28·7	0	W'S	4	b	65	75	58	8	–	–	6	0	1	–	0	2
13A	Tiree	26·8	+4	SW'W	2	c	54	92	52	8	5	–	–	9+	9+	1800	0	3
13B	Stornoway ...	25·7	+8	WSW	4	c	53	97	53	8	5	2	–	7-8	9+	1200	1	2
15	Dalwhinnie ...	26·4	0	SW	2	bc	57	78	48	8	8	–	–	2-3	2-3	1500	0	*
	Aberdeen † ...	25·2	+2	W	1	bc	63	75	56	8	–	8	–	0	2-3	–	0	·
	Wick ...	24·8	+14	SW	2	c	59	75	52	8	5	–	–	7-8	7-8	3000	0	*
16	Sumburgh ..	21·6	-10	WSW	5	c/r	49	97	49	5	5	2	–	9+	10	200	1	5
17	Blacksod Point	28·1	+10	WNW	1	c/d	53	97	52	6	–	2	–	10	10	1500	1	1
18	Malin Head ...	27·8	+10	W	3	f–	52	97	51	3	–	–	–	10	10	<150	0	2
	Aldergrove ...	28·4	+6	SW'S	3	b	60	85	54	7	–	4	1	0	1	–	1	*
19	Birr Castle ...	28·4	+8	SW	1	bc	61	75	53	7	5	–	–	2-3	2-3	2500	0	*
20	Valentia Obsy.	28·0	+2	–	0	b	62	75	54	9	5	4	–	Tr	Tr	4000	0	2
	Roches Point	28·9	0	–	0	bc	53	97	52	8	–	3	–	0	2-3	–	1	2

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 3rd. Hrs. (38)
1	London (Kew)	81	54	43	–	Tr	12·5
	Croydon ...	80	53	52	–	Tr	13·7
	S. Farnborough	83	51	43	–	–	14·6
	Boscombe Down	80	53	51	–	Tr	14·5
	Thorney Island	72	49	43	–	–	*
	Lympne ..	69	52	42	–	–	14·6
	Manston ...	72	48	39	–	–	14·8
2	Shoeburyness ...	71	48	41	–	–	13·5
	Felixstowe ...	68	48	41	–	–	14·5
	Gorleston ...	65	54	50	–	–	14·5
	Mildenhall ...	82	52	46	–	Tr	14·6
	Cranwell ...	80	50	43	–	–	15·1
3	Birmingham ...	80	59	44	–	–	15·2
	Upper Heyford	81	57	49	–	–	*
4	Ross-on-Wye	80	52	46	–	–	14·5
5	Hartland Point	66	61	53	–	–	14·1
	Bristol ...	79	54	45	–	–	14·3
	Portland Bill ...	64	64	*	–	–	*
	Plymouth ...	74	52	45	–	–	14·2
	The Lizard ...	62	55	*	–	–	15·1
	Scilly (St. Mary's)	64	52	*	–	–	15·2
6	Pembroke ...	68	50	*	–	–	14·9
7	Holyhead (Valley)	68	49	40	–	–	*
	Chester (Sealand)	77	52	40	–	–	15·3
8	Manchester ...	77	52	45	–	–	*
10	Spurn Head ...	69	50	*	–	–	13·8
	Catterick ...	76	47	40	–	–	15·5
	Tynemouth ...	70	66	51	–	–	*
11	St. Abbs Head	72	54	*	–	–	*
	Leuchars ...	70	55	49	–	–	10·6
12	Renfrew (Abbots I.)	70	50	45	–	–	10·7
	Eskdalemuir ...	65	41	36	0·1	–	10·3
	Point of Ayre...	73	52	*	–	–	15·0
13A	Tiree	58	51	*	Tr	–	6·8
13B	Stornoway ...	61	51	*	1	0·6	2·8
15	Dalwhinnie ...	63	52	43	–	–	10·3
	Aberdeen † ...	75	54	49	–	–	5·8
	Wick ...	68	51		–	–	*
16	Sumburgh ..	60	47	47	1	8	4·6
17	Blacksod Point	61	50	*	–	Tr	*
18	Malin Head ...	62	51	–	–	–	12·3
	Aldergrove ...	74	56	40	–	–	13·7
19	Birr Castle ...	75	52	45	–	–	15·2
20	Valentia Obsy.	72	54	47	–	–	15·3
	Roches Point	61	52	*	–	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 3rd June			18h. G.M.T.			01h. G.M.T. 4th 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	67	10744	56617	57	00854	56614	57	02755	20228	5–	21755	23655
115	--	67109	87669	--	67109	20469				--	48109	20489
203							5–	03848	16628	6–	62738	20668
206	52	02965	20526	57	01954	22414	52	02864	18228	5–	02966	20326
210	75	02963	20415	57	02961	21426	07	02790	18228	23	01861	22303
220	5–	57408	19458	67	02846	22417						
230	23	01965	19255	57	01953	18216	03	01790	00016	53	02746	20116
245	14	01962	55414	19	02961	28316	09	02890	21225	09	01790	15114
260	10	01873	19313	13	01861	19314	57	01883	20114	13	01863	20115
278	14	00841	12301	04	00890	10302	04	00890	12302	00	00890	12313
279	10	00851	22401	04	00890	22301	04	00890	12101	04	02790	22113
285	10	00861	28501							13	01861	26413
288	00	00890	19400	00	00890	20301	04	00790	19201	03	01890	18214
578	24	01854	20214	10	00862	20303	07	00890	00053	--	46109	28149
301	00	00890	26200	00	00890	26100	00	05690	10100	00	08490	12101
321	00	00790	20300	00	17690	32100	00	05590	00000	00	05590	16100
296	00	05690	18200	00	05690	18200	00	00790	20100	00	00790	20100
292	00	00890	24300	04	00990	23201	04	00890	16101	00	05690	00002
310	--	01641	24201							--	01641	24311
614	00	00790	24200	00	00890	22200	00	05690	00000	00	05590	00000

	13h. G.M.T. 3rd June			18h. G.M.T.			01h. G.M.T. 4th 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
333	00	00990	12300	00	00990	10200	03	01890	00004	00	00990	12101
334	--	00890	20200							--	00690	00020
340	00	00990	25200	10	00971	00000	00	05590	00000	00	05690	14100
136	00	00790	23100	00	00790	09200	00	05690	18100	00	00790	20100
336	00	00790	16400	00	00790	26300				04	01790	26301
350	10	00851	20201	10	00861	06101	00	05690	14200	00	05690	18100
368	00	00990	06100	00	00990	xxxxx	00	00790	00000	00	05690	00000
376	00	00990	20200	50	00961	00001	00	00790	16200	00	00890	20100
390	10	00761	00001	00	00790	00000	00	04490	06100	00	05690	00000
382	10	00861	00001	00	00990	00000	00	00790	00000	00	05690	12100
438	00	00790	10100	00	00790	10100	00	00790	01200	00	00690	04200
430	10	00861	16101	00	01890	12114	00	00790	32100	00	00790	02100
409	00	00890	14300	00	00990	12200	00	00890	10200	00	00890	09200

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 4th 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	bmobcy	bcy	bcybmw	Kew 24 hours ended 7h. Max. Time 0·2 6-7h 4th Min. Time <0·1 11-24h
Croydon ...	bc	bczy	bybmw	
Greenwich ...	bzy	by	bwyzy	
Camden Square	b	b	*	
Kensington ...	bc	bc	*	
Hampstead ...	b	b	b	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	81	54	43	–	Tr	12·5	*	*
Croydon ...	80	53	52	–	Tr	13·7	*	*
Greenwich ...	81	54	37	–	–	14·5	41	59
Westminster ...	82	59	54	–	–		59	50
Regents Park ...								
Camden Square	85	58	48	–	–	*	*	48
Kensington ...	84	57	47	–	–		49	48
Hampstead ...	79	58	51	–	–		*	52

Page 1 BRITISH SECTION

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

SECRET

Friday 5th June 1942

No. 29,415

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)	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)	29.7	-6	ESE	2	b	80	25	44	7	-	-	-	0	0	-
	Croydon	29.0	-8	-	0	bz	79	35	52	8	-	-	-	0	0	-
	S. Farnborough	29.3	-10	E'N	3	z	82	35	50	8	-	-	-	0	0	-
	Boscombe Down	30.1	-2	E'N	2	b	80	45	56	8	-	-	-	0	0	-
	Thorney Island	29.2	-6	SSE	2	b	79	55	61	7	1	-	-	Tr	Tr	2500
	Lympne	29.8	+2	NE	2	z	76	65	61	6	-	-	-	0	0	-
	Manston	30.3	-4	NE'E	2	z	71	65	58	6	-	-	-	0	0	-
2	Shoeburyness	30.2	-8	ESE	2	b	70	75	61	8	-	-	-	0	0	-
	Felixstowe	30.6	-2	ESE	2	b	67	65	54	8	-	-	-	0	0	-
	Gorleston	30.7	0	SSE	2	b	59	75	52	7	-	-	-	0	0	-
	Mildenhall	29.8	-6	-	0	b	84	45	57	8	1	-	-	Tr	Tr	4000
	Cranwell	29.1	-2	W'S	3	b	82	45	56	8	1	-	-	Tr	Tr	3500
3	Birmingham	29.5	-2	W	2	b	81	35	54	8	-	-	1	0	Tr	-
	Upper Heyford	29.5	-4	-	0	b	81	45	63	7	1	-	-	Tr	Tr	4000
4	Ross-on-Wye	29.2	-4	WNW	2	b	79	55	59	8	1	-	1	Tr	Tr	4000
5	Hartland Point	29.5	+2	NE	2	b	68	55	53	8	-	-	-	0	0	-
	Bristol	29.6	-6	ESE	2	b	82	55	66	8	1	-	-	Tr	Tr	5700
	Portland Bill	30.3	-2	E	1	b	72	92	70	7	-	-	-	0	0	-
	Plymouth	29.1	-6	ESE	2	b	77	45	56	8	-	-	-	0	0	-
	The Lizard	29.4	0	NE	3	b	64	75	57	8	-	-	-	0	0	-
	Scilly (St. Mary's)	29.1	+2	E'N	4	b	68	65	56	7	-	-	-	0	0	-
	Guernsey															
6	Pembroke	30.2	+2	W	2	z	67	65	55	6	-	-	-	0	0	-
7	Holyhead (Valley)	30.0	0	S'W	3	b	68	65	55	9	-	-	2	0	1	-
	Chester (Sealand)	29.8	+4	WNW	3	bc	76	45	51	8	1	-	1	Tr	2-3	3500
8	Manchester	29.6	-4	W'N	1	b	76	55	47	6	-	-	1	0	Tr	-
10	Spurn Head	29.7	-2	ESE	3	bc	60	75	53	6	-	-	5	0	2-3	-
	Catterick	29.0	-2	SW	3	bc	79	35	51	9	-	4	1	0	2-3	-
	Tynemouth	28.7	-4	SE	3	bc	68	65	54	7	-	3	1	0	2-3	-
11	St. Abbs Head	27.2	+4	N	1	bc	67	65	56	7	5	-	-	4-6	4-6	3500
	Leuchars	27.0	+4	W	3	c	75	55	56	8	1	-	6	Tr	7-8	3000
12	Renfrew (Abbots I.)	28.4	+4	WNW	3	c	69	65	56	8	1	-	5	4-6	7-8	4000
	Eskdalemuir	28.0	0	SSW	4	bc	69	65	56	8	1	4	1	1	2-3	3200
	Point of Ayre	25.5	+8	W'N	3	b	71	65	61	8	-	-	6	0	1	-
13A	Tiree	29.5	+10	-	0	c	57	97	57	8	5	-	9	9+	9+	1500
13B	Stornoway	28.1	+10	WSW	5	c	58	85	52	8	5	7	-	7-8	9+	2000
15	Dalwhinnie	28.0	+12	NW	3	bc	65	65	61	8	1	-	6	1	4-6	4000
	Aberdeen	27.9	+18	E'S	3	c	60	85	53	7	7	-	-	9	9	3200
	Wick	27.1	+14	WNW	2	c	61	75	52	9	5	-	1	4-6	9	3500
16	Sumburgh	25.4	+6	W'S	4	bc	53	92	51	7	5	-	6	1	4-6	500
17	Blacksod Point	29.0	0	-	0	c	60	85	55	8	8	-	6	4-6	7-8	2500
18	Malin Head	29.7	+8	NNW	2	c	54	92	52	8	5	-	-	7-8	7-8	1500
	Aldergrove	29.2	+4	SW'W	1	c	69	65	58	7	1	4	6	4-6	7-8	3500
19	Birr Castle	28.3	-6	SW	2	bc	78	45	56	7	-	-	6	0	4-6	-
20	Valentia Obsy.	28.4	0	S'W	3	b	73	55	57	8	-	4	-	0	Tr	-
	Roches Point	29.9	+2	SE'E	3	bc	63	85	58	8	-	3	-	0	2-3	-

OBSERVATIONS at 18h. G.M.T. 4th 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)	28.3	-2	E	2	b	81	45	56	7	-	-	-	0	0	-	0	*
Croydon	27.8	-4	E'N	2	b	77	45	52	8	-	-	-	0	0	-	0	*
S. Farnborough	27.8	-2	NNE	3	b	82	35	50	7	-	-	-	0	0	-	0	*
Boscombe Down	28.1	-8	ENE	2	b	80	45	54	7	-	-	-	0	0	-	0	*
Thorney Island	28.6	-6	E'S	3	z	72	65	59	6	-	-	-	0	0	-	0	*
Lympne	28.9	-4	NE	1	b	72	65	58	8	-	-	-	0	0	-	0	§2
Manston	29.3	-2	E	1	z	67	65	57	6	-	-	-	0	0	-	0	*
Shoeburyness	29.2	-4	ESE	2	b	64	75	57	7	-	-	-	0	0	-	0	*
Felixstowe	29.5	-4	E'S	1	b	63	75	56	7	-	-	-	0	0	-	0	1
Gorleston	29.6	-6	S	1	b	61	65	52	7	-	-	-	0	0	-	0	2
Mildenhall	27.9	-8	ESE	2	bc	81	45	57	8	1	6	-	1	2-3	4000	0	*
Cranwell	27.9	-6	W'S	2	b	79	55	60	7	1	8	-	Tr	1	7500	0	*
Birmingham	28.0	-6	NNE	2	b	80	45	58	8	1	-	-	Tr	Tr	5700	0	*
Upper Heyford	28.3	-6	NNW	1	b	81	55	61	7	1	-	-	1	1	5000	0	*
Ross-on-Wye	27.7	-10	NE	1	b	81	45	58	8	-	-	-	0	0	-	0	*
Hartland Point	27.7	-10	NE	3	b	68	55	50	7	-	-	-	0	0	-	0	2
Bristol	28.2	-6	E	1	b	80	55	53	8	1	-	-	Tr	Tr	4000	0	*
Portland Bill	27.9	-4	N	1	bc	68	75	57	7	5	-	-	2-3	2-3	4000	1	2
Plymouth	28.0	-6	SW	1	b	67	75	59	8	-	-	-	0	0	-	0	2
The Lizard	27.8	-8	NE	3	bc	66	75	56	7	4	-	-	2-3	2-3	3500	0	2
Scilly (St. Mary's)	27.9	-8	NE'E	3	b	64	75	55	7	-	-	-	0	0	-	0	2
Guernsey																	
Pembroke	28.8	-6	N	3	b	74	65	61	8	-	-	-	0	0	-	0	1
Holyhead (Valley)	28.8	-6	SW	2	b	69	55	53	9	-	8	1	0	Tr	-	0	2
Chester (Sealand)	28.7	-6	W'N	3	b	72	65	58	7	-	-	1	0	Tr	-	0	*
Manchester	28.4	-6	NW'W	2	b	76	55	60	7	-	-	1	0	Tr	-	0	*
Spurn Head	28.3	-2	ENE	3	b	61	75	54	6	-	-	-	0	0	-	0	2
Catterick	28.2	-4	W	2	bc	77	35	50	9	-	-	2	0	2-3	-	0	*
Tynemouth	28.5	0	SE	2	bc	69	55	52	6	-	4	1	0	4-6	-	0	2
St. Abbs Head	27.2	0	SE	1	bc	68	65	55	7	1	-	-	4-6	4-6	3500	0	1
Leuchars	27.5	+6	E	3	bc	62	65	51	8	1	-	6	Tr	4-6	4000	0	*
Renfrew (Abbots I.)	28.2	+2	NW'W	3	c	69	65	57	8	1	-	9	1	7-8	4500	1	*
Eskdalemuir	27.6	0	S'W	3	bc	68	75	58	8	1	4	1	1	2-3	3500	1	*
Point of Ayre	29.3	-2	NW	2	bc	61	75	54	8	-	-	6	0	4-6	-	0	4
Tiree	30.0	0	-	0	c	56	85	50	8	6	-	-	9	9	2500	0	4
Stornoway	29.4	+8	W	3	c	55	85	51	8	5	7	-	7-8	9+	2500	1	2
Dalwhinnie	29.0	0	WSW	2	bc	65	65	51	8	2	-	9	1	4-6	4000	0	
Aberdeen	29.2	+12	ESE	2	bc	57	85	51	7	7	-	6	1	4-6	3200	0	2
Wick	28.3	+10	NW	3	c	58	75	49	9	7	4	6	2-3	7-8	3000	0	*
Sumburgh	26.8	+6	W'N	4	c	51	92	49	6	5	3	2	4-6	9+	2000	1	5
Blacksod Point	27.9	-6	N	2	bc	63	85	59	8	8	-	5	1	2-3	4000	0	1
Malin Head	29.5	-2	ENE	3	bc	54	92	52	8	4	3	1	2-3	4-6	2500	0	1
Aldergrove	28.3	-2	N	1	c	71	75	61	7	1	-	2	Tr	9	3200	0	*
Birr Castle	27.0	-4	S	2	b	80	45	58	7	-	-	-	0	0	-	0	*
Valentia Obsy.	28.1	+2	S'W	3	c	70	65	59	9	-	3	1	0	7-8	-	0	
Roches Point	28.8	-6	SE'E	2	b	63	85	59	8	-	4	-	0	Tr	-	1	2

PAST 24 HOURS.

Stations	Weather 7h.—13h. 4th (39)	Weather 13h.—18h. 4th (40)	Weather 18h. 4th to 1h. 5th (41)	Weather 1h.—7h. 5th (42)
London (Kew)	b	by	bybw	bbmzw
Croydon	bc zyby	by	byb	$bwbm_0$
S. Farnborough	bmz, kz	bykzz b	byz_0jfmw	bmjfw
Boscombe Down	bzy	bzy	bz_0y	bz_0m_0
Thorney Island	by	bybm	bm_0fgw	bwb
Lympne	bbz	bz_0 b	bm_0z_0	bz_0wb
Manston	bz	bz_0	bz_0m_0w	bm_0wfbz_0
Shoeburyness	bmb	bc	bbm_0	bm_0
Felixstowe	b	b	bbz_0w	bz_0w
Gorleston	b	b	bm_0	bcb
Mildenhall	by	by	b	bm_0wb
Cranwell	by	byb	bbz_0y	bz_0
Birmingham	by	by	b	bz
Upper Heyford	bzyby	by	$bybm_0$	bm_0w
Ross-on-Wye	b		b	bm_0w
Hartland Point	by	by	b	by
Bristol	bzby	by	b	bm_0w
Portland Bill	b	bc	bcb	bc
Plymouth	bmb	byb	bwm_0	bm_0
The Lizard	b	bbr	bc	bc
Scilly (St. Mary's)	b	b	b	b
Guernsey				
Pembroke	bm	b	b	
Holyhead (Valley)	bwbc	byb	b	bbc
Chester (Sealand)	bzy	by	ybm_0	bm_0
Manchester	bmy	bmy	bym_0w	bm_0z_0w
Spurn Head	bcm	bcm_0	b	bc
Catterick	bc bcy by	bcy	bcbw	$bwbm_0$
Tynemouth	bc	bc	bc	bc
St. Abbs Head	bbcm	bc	$bcbm_0$	bm_0F
Leuchars	bbccy	bc bybc	bm_0	bcm_0
Renfrew (Abbots I.)	bcmbc	bc	bcbw	$wbcm_0$
Eskdalemuir	fbc	bcb	b	bbc
Point of Ayre	b	bbc	bcbw	bbc
Tiree	ddjc	bcc	bc	bc
Stornoway	cdd_0	c	c	cbc
Dalwhinnie	bc	bc	*	bcb
Aberdeen	bcc	cbbc	bcc	cbcb
Wick	bcc	bc	c	c
Sumburgh	cm_0bc	bccm	cm_0	cm_0cbc
Blacksod Point	c	bc	bc	c
Malin Head	d	c	f	f
Aldergrove	bwbbc	bcc	bc	cm_0bvm_0
Birr Castle	bc	b	*	bc
Valentia Obsy.	b	bc	bc	b
Roches Point	b	b	b	b

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Light variable wind; fine apart from patches of fog or low cloud near east coast; very warm inland: cool sea breezes on the coasts.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light West to Southwest wind; mainly fair but variable cloud; occasional slight rain later near coast; rather warm.
16 Orkneys and Shetlands	Light West wind, variable cloud, occasional slight rain later; average temperature.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Light South to Southeast wind; fine: warm.

GENERAL INFERENCE

A large anticyclone covers the British Isles, with the highest pressure off east Scotland. The weather will continue mainly fine and warm. A Low pressure system on the Atlantic will affect our northwest seaboard, and some low cloud will occur near its east coast.

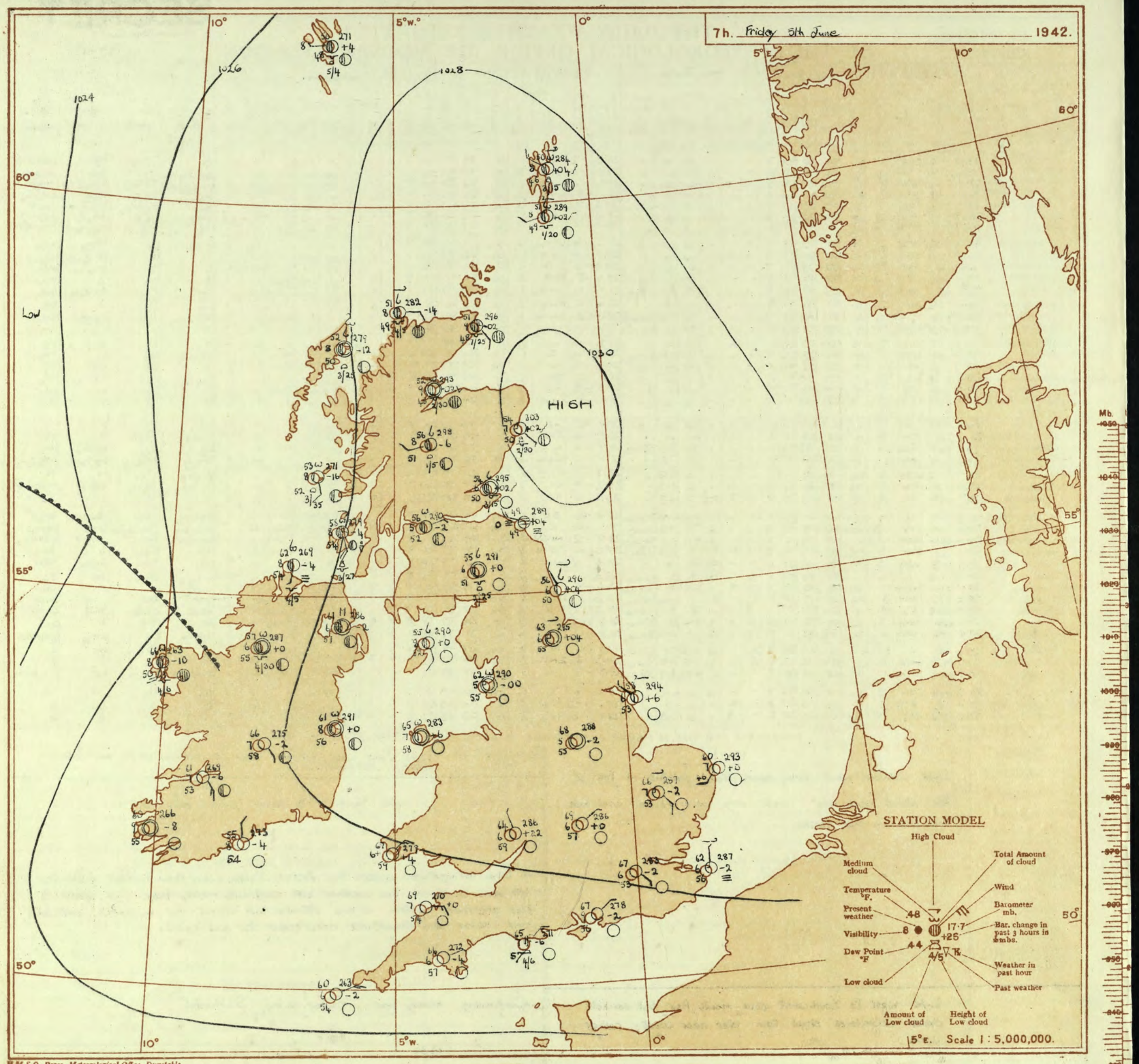
FURTHER OUTLOOK

Continuing mainly fair; cooler in the Southeast.

Forecasts issued at 10.30

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

7h. Friday 5th June 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

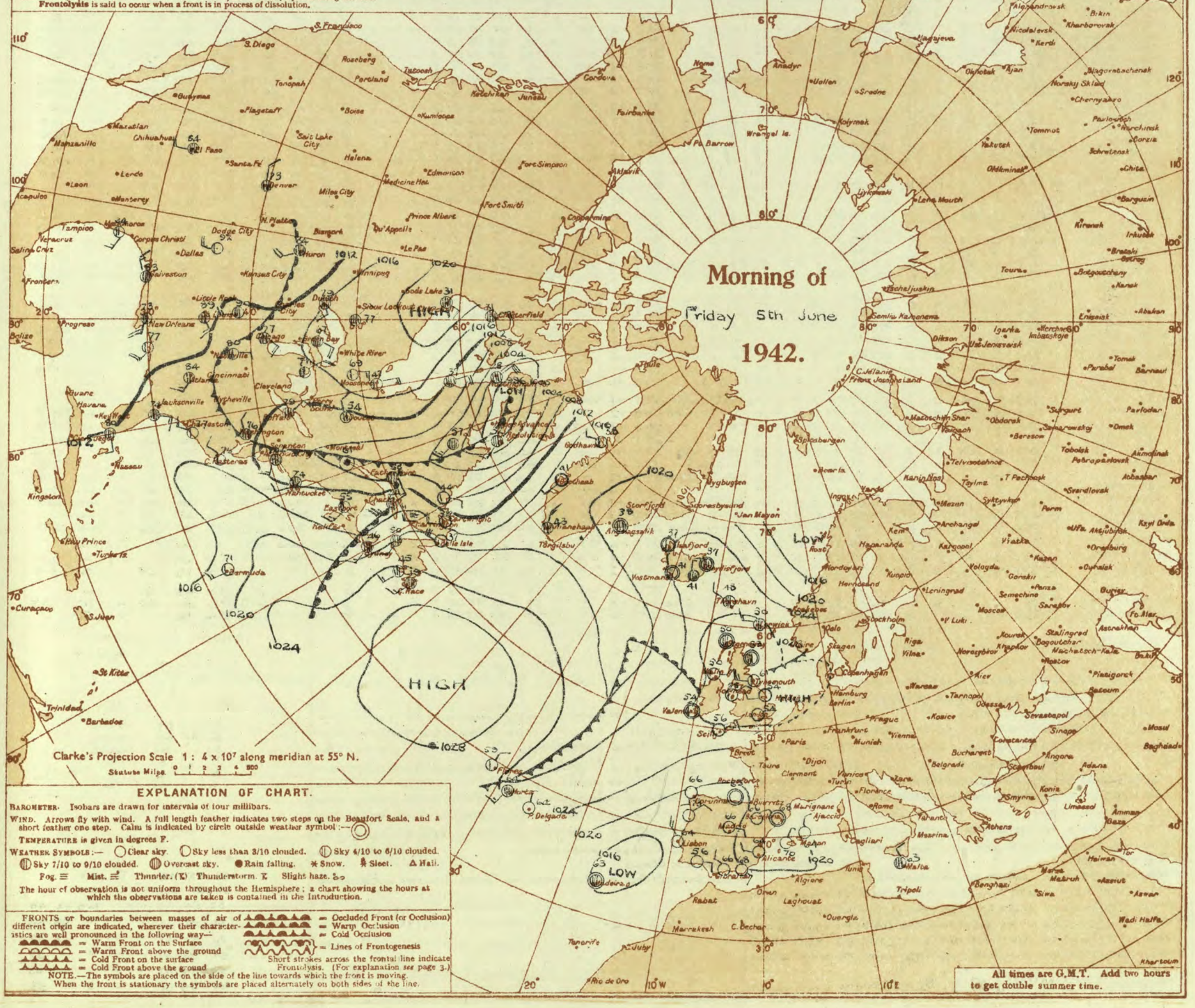
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

Fog. Mist. Thunder. (K) Thunderstorm. Slight haze.

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

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

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

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

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

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

BRITISH SECTION

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

Friday 5th June 1942

No. 29 + 15

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)	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	28·5	0	S'E	1	b	54	85	50	7	–	–	–	0	0	–
	S. Farnborough	226	28·7	-2	–	0	bjf	58	85	55	5	–	–	–	0	0	–
	Boscombe Down	417	28·8	-4	N'W	2	2_0	63	75	54	6	–	–	–	0	0	–
	Thorney Island	10	28·1	-2	N	1	fg	55	97	55	6	–	–	–	0	0	–
	Lympne ..	283	28·8	0	–	0	2_0	56	65	46	6	–	–	–	0	0	–
	Manston ...	154	29·1	-2	–	0	2_0	52	85	48	6	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	29·0	-2	NNW	1	2_0	58	92	55	6	–	–	–	0	0	–
	Gorleston ...	5	29·1	-2	–	0	2_0	59	75	51	6	–	–	–	0	0	–
	Mildenhall ...	15	29·0	+2	–	0	b	58	85	54	6	–	–	–	0	0	–
	Cranwell ...	203	28·8	+2	N'E	2	2_0	67	55	52	5	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	28·8	0	–	0	2_0	65	75	57	6	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	27·5	-6	NE	3	b	60	65	56	7	–	–	–	0	0	–
	Bristol ...	209	28·6	-2	–	0	b	60	92	58	7	–	–	–	0	0	–
	Portland Bill ...	32	28·1	-6	E	1	b	62	85	58	7	–	–	–	0	0	–
	Plymouth ..	82	28·0	-4	E	1	2_0	59	85	51	6	–	–	–	0	0	–
	The Lizard ...	240	26·9	-6	NE	3	bc	63	75	53	7	4	–	1	2-3	2-3	2500
	Scilly (St. Mary's)	163	27·0	-8	NE	3	b	56	92	53	6	–	–	–	0	0	–
	Guernsey ...	175															
6	Pembroke ...	142	28·1	-4	NE'E	4	b	65	75	57	8	–	–	–	0	0	–
7	Holyhead (Valley)	32	28·5	-4	NE	2	b	55	92	52	8	–	4	1	0	Tr	–
	Chester (Sealand)	16	29·6	0	–	0	b	53	97	52	5	–	–	–	0	0	–
8	Manchester ...	235	29·4	-4	–	0	2_0	55	92	53	6	–	–	–	0	0	–
10	Spurn Head ...	29	28·8	-2	WSW	2	b	59	85	53	7	–	–	–	0	0	–
	Catterick ...	175	29·5	+2	WSW	1	b	54	55	51	7	–	4	1	0	1	–
	Tynemouth ...	108	28·9	+2	W	5	bc	61	75	51	7	–	4	1	0	2-3	–
11	St. Abbs Head	280	28·7	+6	WNW	3	2_0	51	92	49	7	5	–	–	2-3	2-3	4000
	Leuchars ...	36	29·6	+2	–	0	b	51	92	49	6	5	–	–	Tr	Tr	1000
12	Renfrew (Abbots L.)	19	29·1	0	–	0	b	52	92	50	8	–	–	1	0	1	–
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	28·9	-4	S'E	2	b	51	97	50	8	2	4	5	0	1	–
13A	Tiree	22	28·8	-2	–	0	bc	50	92	48	8	–	3	5	0	2-3	–
13B	Stornoway ...	80	24·9	-8	–	0	c	50	92	48	7	5	7	–	7-8	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	30·3	-4	–	0	c	53	92	50	8	5	–	–	9+	9+	3300
	Wick ...	114	30·1	-6	–	0	c	52	85	48	8	5	–	–	9	9	3000
16	Sumburgh ..	19	28·5	+2	W'N	3	2_0	48	97	48	6	5	2	–	7-8	10	1200
17	Blacksod Point	18	27·2	-6	S	2	bc	58	55	54	8	5	3	–	2-3	4-6	4000
18	Malin Head ...	84	28·5	-6	E	2	f–	50	97	49	3	5	–	–	4-6	4-6	800
	Aldergrove ...	268	29·8	-6	–	0	bc	53	92	51	7	5	3	2	1	4-6	3500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	28·0	0	–	0	b	54	92	52	9	5	–	–	Tr	Tr	5700
	Roches Point	22	28·0	-8	N	1	b	54	97	53	8	5	–	–	1	1	2500

OBSERVATIONS at 7 hr. 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)	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)	28·8	0	–	0	m	65	75	53	4	–	–	–	0	0	–	0	*
Croydon ...	28·3	-2	SE	1	b	67	65	53	6	–	–	–	0	0	–	0	*
S. Farnborough	28·4	+2	–	0	2_0	62	85	56	5	–	–	–	0	0	–	1	*
Boscombe Down	28·3	-4	E'N	1	2_0	67	75	57	6	–	–	–	0	0	–	0	*
Thorney Island	27·8	-2	NE	1	b	67	65	56	9	–	–	–	0	0	–	0	*
Lympne ..	28·4	-2	NE'N	2	b	63	75	56	7	–	–	–	0	0	–	0	§2
Manston ...	28·7	-2	N	1	2_0	62	75	56	6	–	–	1	0	Tr	–	0	*
Shoeburyness ...	29·9	+2	ESE	1	b	64	75	57	6	–	–	–	0	0	–	0	*
Felixstowe ...	29·1	-2	ENE	1	b	64	65	50	8	–	–	–	0	0	–	0	
Gorleston ...	29·3	0	SW'S	2	b	60	65	46	7	–	–	–	0	0	–	0	1
Mildenhall ...	28·7	-2	SE	2	b	66	65	53	7	–	–	1	0	Tr	–	0	*
Cranwell ...	29·0	+2	N'W	2	2_0	66	65	54	6	–	–	–	0	0	–	0	*
Birmingham ...	28·8	+2	–	0	2_0	69	65	57	5	–	–	–	0	0	–	0	*
Upper Heyford	28·6	0	NE	1	2_0	69	65	57	6	–	–	–	0	0	–	0	*
Ross-on-Wye	28·6	0	NNW	1	2_0	64	85	59	6	–	–	–	0	0	–	0	*
Hartland Point	27·0	0	E	3	b	69	55	54	7	–	–	–	0	0	–	0	2
Bristol ...	28·4	-4	–	0	2_0	65	85	61	5	–	–	–	0	0	–	0	*
Portland Bill ...	27·1	-6	NE	3	bc	65	85	57	7	1	–	–	4-6	4-6	4000	1	2
Plymouth ..	27·2	-4	ENE	1	2_0	66	75	57	6	–	–	–	0	0	–	0	2
The Lizard ...	26·7	0	NE	3	bc	62	75	55	7	4	–	–	2-3	2-3	2500	0	3
Scilly (St. Mary's)	26·3	-2	ENE	3	b	60	85	54	6	–	–	–	0	0	–	0	2
Guernsey ...																	
Pembroke ...	27·9	+4	ENE	3	2_0	67	75	59	6	–	–	–	0	0	–	0	
Holyhead (Valley)	28·3	+6	–	0	bc	65	75	58	7	–	3	–	0	2-3	–	0	1
Chester (Sealand)	28·9	-2	–	0	b	64	75	57	6	–	4	–	0	1	–	0	*
Manchester ...	29·2	0	–	0	2_0	62	75	55	6	–	–	–	0	0	–	0	*
Spurn Head ...	29·4	+6	NW	1	bc	58	85	53	6	–	–	5	0	2-3	–	0	2
Catterick ...	29·5	+4	–	0	b	63	75	55	6	–	–	1	0	Tr	–	0	*
Tynemouth ...	29·6	+4	NNW	2	bc	56	85	50	6	–	4	1	0	2-3	–	0	2
St. Abbs Head	28·9	+4	WNW	3	F	49	97	49	0	–	–	–	10	10	150	1	3
Leuchars ...	29·5	+2	–	0	2_0	54	85	50	6	5	4	–	2-3	4-6	1500	0	*
Renfrew (Abbots L.)	29·0	-2	ENE	1	2_0	56	85	52	5	–	3	–	0	4-6	–	1	*
Eskdalemuir ...	29·1	0	–	0	bc	55	85	51	6	7	4	–	1	2-3	2500	1	*
Point of Ayre...	29·0	0	S'E	2	bc	55	92	52	8	–	4	–	0	4-6	–	0	1
Tiree	27·1	-16	SSE	2	bc	53	85	49	8	1	3	–	2-3	2-3	3500	0	3
Stornoway ...	27·9	-12	–	0	bc	52	92	50	8	1	4	9	2-3	4-6	2500	1	1
Dalwhinnie ...	29·8	-6	WSW	2	bc	56	85	51	8	1	4	–	Tr	2-3	2500	1	*
Aberdeen † ...	30·3	+2	SE	1	b	54	85	50	7	8	–	–	1	1	3000	1	2
Wick ...	29·6	-2	SE	2	c	51	85	49	9	5	–	–	9+	9+	2500	0	*
Sumburgh ..	28·9	+2	W'S	2	bc	51	92	49	8	5	5	5	Tr	4-6	2000	0	3
Blacksod Point	26·3	-10	S'W	3	c	66	55	50	8	8	3	–	4-6	7-8	4000	0	2
Malin Head ...	26·9	-4	S'W	1	c	62	75	54	8	5	7	–	4-6	7-8	2500	0	1
Aldergrove ...	28·6	-2	–	0	2_0	61	85	57	6	–	8	–	0	4-6	–	0	*
Birr Castle ...	27·5	-2	SE	1	b	66	75	58	7	–	–	–	0	0	–	0	*
Valentia Obsy.	26·6	-8	–	0	b	60	85	55	9	–	–	–	0	0	–	0	2
Roches Point	27·3	-4	N	2	b	55	97	54	8	–	–	–	0	0	–	1	6

PAST 24 HOURS.

Stations	Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 4th Hrs. (38)
London (Kew)	83	55	43	–	Tr	14·1
Croydon ...	81	51	50	–	Tr	15·0
S. Farnborough	84	52	43	–	–	14·5
Boscombe Down	82	56	49	–	–	14·1
Thorney Island	81	53	45	–	–	*
Lympne ..	77	52	41	–	–	14·8
Manston ...	73	49	39	–	–	14·9
Shoeburyness ...	71	49	43	–	–	14·2
Felixstowe ...	69	52	44	–	–	14·5
Gorleston ...	68	56	50	–	–	15·0
Mildenhall ...	85	53	47	–	Tr	14·0
Cranwell ...	84	59	49	–	–	14·8
Birmingham ...	84	61	47	–	–	14·1
Upper Heyford	83	61	53	–	–	*
Ross-on-Wye	83	57	50	–	–	14·7
Hartland Point	70			–	–	14·5
Bristol ...	82	56	47	–	–	15·8
Portland Bill ...	74	60	*	–	–	*
Plymouth ..	78	57	47	–	–	13·6
The Lizard ...	68	59	*	–	–	14·9
Scilly (St. Mary's)	69	55	*	–	–	15·0
Guernsey ...						
Pembroke ...	75	56	*	–	–	14·7
Holyhead (Valley)	70	54	43	–	–	*
Chester (Sealand)	78	57	42	–	–	14·6
Manchester ...	78	51	45	–	–	*
Spurn Head ...	64	55	*	–	–	13·3
Catterick ...	80	52	45	–	–	15·5
Tynemouth ...	74	54	53	–	–	*
St. Abbs Head	70	48	*	–	–	
Leuchars ...	77	47	43	–	–	11·7
Renfrew (Abbots L.)	73	49	42	–	–	12·4
Eskdalemuir ...	71	44	40	–	–	10·7
Point of Ayre...	74	50	*	–	–	14·4
Tiree	60	47	*	0·1	–	2·8
Stornoway ...	60	49	*	Tr	–	1·4
Dalwhinnie ...	68	38	31	–	–	12·2
Aberdeen † ...	73	51	44	–	–	10·1
Wick ...	63	49	48	–	–	*
Sumburgh ..	55	48	46	–	Tr	4·2
Blacksod Point	65	(56)	*	Tr	Tr	*
Malin Head ...	57	49		0·1	–	2·1
Aldergrove ...	73	52	45	*	Tr	13·7
Birr Castle ...	80	55	50	–	–	*
Valentia Obsy.	75	51	47	–	Tr	12·5
Roches Point	64	54	*	–	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	7-	01863	57624	57	02855	24427
115	52	09735	20448	52	02844	20427
203	6-	02738	20438	50	01855	22325
206	20	01963	24224	74	02963	24415
210	84	01901	26415	43	02962	05216
220				73	01854	26203
230	5-	02548	16328	50	01952	20213
245	74	02962	23417	10	02961	06415
260	13	01762	23315			
278	14	00762	01312	00	05790	32315
279	04	01790	22413	00	01790	21313
285	13	01861	24514			
288	14	00861	21302	00	00890	20302
575	5-	02748	29128	13	05731	00003
301	00	00890	24301	00	00890	29302
321	00	05690	22100	04	00790	26301
299	54	01753	20103	54	01752	18103
292	00	00890	24201	00	00990	24202
310	**	01841	24302			
614	00	00790	29812	00	00790	28100

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	5-	01854	24224	5-	02857	16127
115	52	02844	24226	54	02854	08225
203				14	01854	08225
206	33	01954	00024	33	01962	00024
210	54	02765	16126	53	01861	06113
220				53	01953	15324
230	03	00890	00011	53	01863	00065
245	00	01890	05113	54	01741	06214
260	00	05690	22101			
278	04	05690	00011	84	01773	12213
279	00	05690	00000	03	05590	05245
285				00	05690	00000
288	00	05690	21201			
575	5-	05645	08115	53	05664	00014
301	00	05690	10100	03	05590	00001
321	04	05690	20103	00	05490	30200
299	50	00752	22102	57	01753	28313
292	04	01890	00013	00	05690	25100
310						
614	00	05690	00000	00	05590	00000

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	00	00990	12302	00	00990	14101
334	--	01782	20302			
340				00	00990	32300
136	10	00761	25101			
336	04	01790	24313	00	00790	26300
350	10	00851	02201	10	00861	26101
368				00	00790	22100
379	10	00862	06102	00	00890	04100
390	00	00890	00000	00	00890	08200
382	10	00861	00001	10	00861	00001
438	00	00690	02200	00	05690	04400
430	00	00890	06100			
409	00	00790	31200	00	00890	01300

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	00	00790	00000	04	00890	28201
334						
340	00	05690	18100	00	05690	14100
136	00	00790	20200	00	01790	28101
336				00	00790	32200
350	00	05690	00000	00	05690	32100
368				00	05690	08100
379	00	00790	32100	00	00790	04100
390	00	05690	00000	00	05690	10100
382	00	00790	00000	00	05690	00000
438				00	00790	02200
430						
409	00	00790	06200	00	00790	11300

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
$h_1 N_h$ = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 5th 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	b	by	bybzw	Kew 24 hours ended 7h. Max. Time 0·4 7th 8th
Croydon ...	bc2yby	by	bybm$_0$	
Greenwich ...	by	by	bwby2_0	
Camden Square	b	b	*	
Kensington ..	b	b	*	Min. Time <0·1 17-20h
Hampstead ...	b	b	b	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % (Yesterday)	Humidity 9h % (To day)
Kew	83	55	43	–	Tr	14·1	*		*
Croydon ...	81	51	50	–	Tr	15·0	*		*
Greenwich ...	82	54	39	–	–	14·8	44		48
Westminster ...	84	59	55	–	–	*	59		58
Regents Park ...	86	57	47	–	–	*	42		42
Camden Square	88	58	47	–	–	*	*		57
Kensington ...	87	57	47	–	–	*	49		68
Hampstead ...	81	59	51	–	–	*	*		53

SECRET

Page 1

BRITISH SECTION

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

Saturday 6th June 1942

No. 29416

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)	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)	27·1	-10	E'S	3	b	82	35	60	7	-	-	-	0	0	-
	Croydon ...	27·0	-8	ESE	3	b	80	35	52	8	-	-	-	0	0	-
	S. Farnborough	26·7	-10	ESE	3	b	83	35	61	7	-	-	-	0	0	-
	Boscombe Down	27·0	-6	E'N	2	b	83	45	66	6	-	-	-	0	0	-
	Thorney Island	26·6	-8	E	3	b	84	45	60	8	-	-	-	0	0	-
	Lympne ...	27·4	-4	NE	2	b	76	45	54	8	-	-	-	0	0	-
	Manston ...	28·0	-6	NE'E	2	z₀	73	65	59	6	-	-	-	0	0	-
2	Shoeburyness ...	28·2	-12	E'S	2	b	72	65	57	7	-	-	-	0	0	-
	Felixstowe ...	28·6	-6	E'S	2	b	67	75	58	7	-	-	-	0	0	-
	Gorleston ...	28·6	-8	S'W	1	b	60	85	54	7	-	-	-	0	0	-
	Mildenhall ...	27·6	-12	NNE	1	b	84	45	67	8	-	-	-	0	0	-
	Cranwell ...	27·6	-10	N	2	b	81	35	63	7	-	-	-	0	0	-
3	Birmingham ...	27·3	-10	E	2	b	83	35	57	7	-	-	-	0	0	-
	Upper Heyford	27·0	-10	E	2	z₀	82	45	59	6	1	-	-	Tr	Tr	4000
4	Ross-on-Wye	26·8	-10	E	2	b	82	55	62	7	1	-	-	Tr	Tr	4000
5	Hartland Point	25·8	-10	NE	3	b	73	65	58	7	-	-	-	0	0	-
	Bristol ...	26·8	-12	E'S	2	b	83	55	63	8	-	-	-	0	0	-
	Portland Bill ...	26·6	-8	E	2	bc	69	85	66	7	1	-	-	4-6	4-6	4000
	Plymouth ...	25·8	-10	E	3	z₀	78	55	63	7	-	-	-	0	0	-
	The Lizard ...	26·2	0	NE	3	b	67	65	53	8	-	-	-	0	0	-
	Scilly (St. Mary's)	25·6	-4	E'N	4	b	69	75	59	6	-	-	-	0	0	-
	Guernsey ...															
6	Pembroke ...	26·8	-8	SE'S	3	z₀	74	65	61	6	-	-	-	0	0	-
7	Holyhead (Valley)	26·7	-12	-	0	b	80	55	62	6	-	4	-	0	Tr	-
	Chester (Sealand)	26·6	-18	SE'E	1	b	85	45	68	6	-	8	-	0	Tr	-
8	Manchester ...	27·1	-6	SSW	1	b	82	45	58	7	-	-	-	0	0	-
10	Spurn Head ...	28·9	0	NNE	4	b	63	75	53	7	-	-	-	0	0	-
	Catterick ...	27·7	-14	SE	1	z₀	80	55	60	6	-	4	-	0	Tr	-
	Tynemouth ...	29·3	-6	SE	2	b	58	75	51	6	-	-	-	0	0	-
11	St. Abbs Head	28·5	+2	SE	1	iF	53	97	52	1	4	4	-	Tr	2-3	3500
	Leuchars ...	29·6	-12	NE	2	z₀	64	75	55	6	5	8	3	Tr	4-6	1000
12	Renfrew (Abbots I.)	27·0	-8	SW	2	bc	75	55	57	7	-	9	9	0	7-8	-
	Eskdalemuir ...	27·3	-2	SSW	3	b	74	55	59	8	-	4	-	0	Tr	-
	Point of Ayre ...	28·0	-4	SSE	2	b	67	65	55	8	-	-	9	0	Tr	-
13A	Tiree	26·9	-4	S	3	c	60	85	54	7	5	-	-	9	9	3500
13B	Stornoway ...	25·1	-16	SSE	3	c	57	85	51	8	5	7	5	4-6	9	2500
15	Dalwhinnie ...	27·2	-2	SW	2	c	67	55	48	8	5	-	-	9+	9+	2500
	Aberdeen ...	28·3	-8	SE	3	z	55	85	51	6	5	3	-	2-3	4-6	700
	Wick ...	27·6	-12	ESE	4	bc/pr	55	85	51	8	5	3	-	1	4-6	6000
16	Sumburgh ...	29·3	+2	SSW	2	c	53	85	50	8	5	8	6	2-3	9	4000
17	Blacksod Point	25·6	-2	SW	3	c	67	65	56	8	5	3	-	2-3	7-8	4000
18	Malin Head ...	26·5	-2	ENE	2	c	60	85	56	8	5	7	-	4-6	7-8	2500
	Aldergrove ...	26·6	-12	-	0	c	79	55	62	7	-	5	-	0	9	-
19	Birr Castle ...	25·8	-8	SSE	2	bc	81	55	66	7	-	-	8	0	2-3	-
20	Valentia Obsy.	25·2	-2	S'W	2	b	77	55	62	9	-	-	-	0	0	-
	Roches Point	26·2	-6	SE'E	3	b	68	85	64	8	-	-	-	0	0	-

OBSERVATIONS at 18h. 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)	25·5	-6	E'N	3	b	80	35	46	7	-	-	-	0	0	-	0	*
	Croydon ...	25·4	-6	ESE	3	b	77	35	50	8	-	-	-	0	0	-	0	*
	S. Farnborough	25·0	-10	E	3	b	81	35	51	8	-	-	-	0	0	-	0	*
	Boscombe Down	24·9	-4	ESE	2	b	82	35	57	7	-	-	-	0	0	-	0	*
	Thorney Island	24·8	-8	SE	3	b	76	55	59	8	-	-	-	0	0	-	0	*
	Lympne ...	26·0	-6	NE	1	b	71	45	50	8	-	-	-	0	0	-	0	§3
	Manston ...	26·5	-10	NE'E	2	b	66	55	50	8	-	-	-	0	0	-	0	*
2	Shoeburyness ...	26·6	-4	E'N	2	b	66	65	54	8	-	-	-	0	0	-	0	*
	Felixstowe ...	26·8	-10	ENE	2	b	64	65	53	8	-	-	-	0	0	-	0	1
	Gorleston ...	27·2	-6	ESE	2	z₀	60	85	55	6	-	-	-	0	0	-	0	1
	Mildenhall ...	26·0	-4	ENE	3	b	80	45	56	8	-	-	-	0	0	-	0	*
	Cranwell ...	26·3	-6	SE'E	3	z₀	73	65	52	6	-	-	-	0	0	-	0	*
3	Birmingham ...	25·3	-10	SE	2	b	82	45	62	8	-	-	-	0	0	-	0	*
	Upper Heyford	25·0	-10	NE'E	2	z₀	81	55	62	6	-	-	-	0	0	-	0	*
4	Ross-on-Wye	24·5	-12	E'N	2	b	82	55	62	7	1	-	-	Tr	Tr	4000	0	*
5	Hartland Point	23·6	-14	ESE	2	b	80	45	56	8	-	-	-	0	0	-	0	1
	Bristol ...	24·7	-12	ESE	1	b	81	55	64	8	-	-	-	0	0	-	0	*
	Portland Bill ...	23·8	-12	E	3	bc	64	85	61	7	1	-	-	4-6	4-6	4000	1	2
	Plymouth ...	23·8	-12	E	3	z₀	76	65	62	7	-	-	-	0	0	-	0	3
	The Lizard ...	23·6	-8	NE	4	bc	65	75	58	7	4	-	-	2-3	2-3	3500	0	3
	Scilly (St. Mary's)	23·3	-14	ENE	4	b	66	75	58	6	-	-	-	0	0	-	0	2
	Guernsey ...																	
6	Pembroke ...	24·7	-10	SE'E	4	z₀	71	65	59	6	-	-	-	0	0	-	0	2
7	Holyhead (Valley)	24·2	-10	NE	1	b	79	45	53	8	-	-	-	0	0	-	0	1
	Chester (Sealand)	24·5	-14	WNW	2	b	77	55	50	7	-	-	-	0	0	-	0	*
8	Manchester ...	24·7	-12	-	0	b	83	55	50	7	-	-	-	0	0	-	0	*
10	Spurn Head ...	27·6	-2	E'N	2	b	58	75	51	7	-	-	1	0	Tr	-	0	3
	Catterick ...	25·7	-4	E'S	1	b	79	55	63	7	-	3	9	0	1	-	0	*
	Tynemouth ...	27·7	-10	SSE	3	bc	58	85	52	6	-	3	-	0	2-3	-	0	1
11	St. Abbs Head	25·9	-8	SE	3	c	61	75	52	7	5	4	-	7-8	9	3900	0	2
	Leuchars ...	26·0	-12	NE	1	pr	58	85	54	6	8	-	-	9+	9+	5000	0	*
12	Renfrew (Abbots I.)	24·9	-14	-	0	c/pr	55	65	62	6	-	8	3	0	9	-	0	*
	Eskdalemuir ...	24·8	-12	SW'W	2	c	74	55	56	8	5	7	9	Tr	7-8	3500	1	*
	Point of Ayre ...	25·4	-10	SE'S	2	bc	64	75	55	8	-	3	9	0	2-3	-	0	2
13A	Tiree	24·5	-14	-	0	c	63	75	56	7	5	3	-	4-6	7-8	2800	0	2
13B	Stornoway ...	23·0	-2	S	4	c	61	85	57	8	5	3	-	4-6	9	2500	1	2
15	Dalwhinnie ...	24·7	-8	WSW	2	c	66	55	51	8	7	-	-	9+	9+	2500	0	*
	Aberdeen ...	25·5	-20	S	2	z₀	56	92	53	6	-	9	-	0	9+	-	1	2
	Wick ...	24·0	-20	SE	3	c	54	92	51	8	-	8	-	0	9+	-	0	*
16	Sumburgh ...	26·3	-14	SSE	3	c	52	85	47	8	5	-	-	10	10	4000	1	
17	Blacksod Point	24·3	-6	W	4	b	65	75	58	8	-	-	-	0	0	-	0	3
18	Malin Head ...	24·2	-16	N	2	bc	57	85	53	8	5	5	-	2-3	4-6	2500	0	1
	Aldergrove ...	24·4	-16	SE'E	2	bc	75	55	58	8	-	9	-	0	4-6	-	0	*
19	Birr Castle ...	23·4	-10	SSE	2	b	80	55	65	7	-	-	-	0	0	-	0	*
20	Valentia Obsy.	23·1	-6	S'E	3	b	77	55	62	7	-	-	-	0	0	-	0	3
	Roches Point	24·4	-14	S	2	b	64	85	60	8	-	-	-	0	0	-	0	2

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 5th (39)	13h.—18h. 5th (40)	18h. 5th to 1h. 6th (41)	1h.–7h. 6th (42)
1	London (Kew)	bz₀by	by	byw	bwz₀
	Croydon ...	b	by	bm₀w	bm₀wz₀
	S. Farnborough	bm₀wz₀b	by	byb	b
	Boscombe Down	bby	bz₀by	by, b	bm₀b
	Thorney Island	bby	by	b	bm₀
	Lympne ...	by	by	bbw	b
	Manston ...	bz₀	bz₀by	byz₀m₀	bm₀w
2	Shoeburyness ...	bm₀b	b	bbm₀	bm₀
	Felixstowe ...	b	c	b	bbm₀w
	Gorleston ...	b	bbm₀	bm₀w	b.bm₀
	Mildenhall ...	by	by	b'bm₀	bm₀bw
	Cranwell ...	by	bybz₀	bz₀bbm₀	bm₀
3	Birmingham ...	bzy	by	b	bz
	Upper Heyford	bz₀yby	bz₀y	bz₀	bz₀b
4	Ross-on-Wye	b	by	bz₀	bm₀w
5	Hartland Point	b	by	by	bbcby
	Bristol ...	b	my	byz₀m₀	bm₀w
	Portland Bill ...	bc	bc	bc	bc bcb
	Plymouth ...	bz₀y	bz₀ybz₀	bm₀	bm₀bbm₀
	The Lizard ...	bcb	bc	bc	bcabc
	Scilly (St. Mary's)	b	b	b	b
	Guernsey ...				
6	Pembroke ...	bz₀	bz₀	bcb	bz₀
7	Holyhead (Valley)	bcwby	by	bybz₀	bm₀w
	Chester (Sealand)	bz₀	bz₀y	bz₀m₀	bm₀z₀
8	Manchester ...	bz₀y	by	bz₀	bm₀b
10	Spurn Head ...	b	bc	bc	bc
	Catterick ...	bym₀	by	cm₀m₀	bm₀
	Tynemouth ...	bcffbcb	bbc	bccp₀	cpttc
11	St. Abbs Head	FiF	iFbccm₀	cm₀pr	bccm₀
	Leuchars ...	bcbcm₀	cpr₀m₀	cpr₀r₀r₀cm₀	cbcbm₀
12	Renfrew (Abbots I.)	bcm₀bcy	cycz₀	cpr₀bcm	bcfwbm₀
	Eskdalemuir ...	bcby	bbcy	bcyc	c,rac,b
	Point of Ayre ...	bcb	bbc	bcc	cbcb
13A	Tiree	c	c		bc
13B	Stornoway ...	cpr₀	c	bcc	F
15	Dalwhinnie ...	bprcy	cy	bcyc	cHrb
	Aberdeen ...	cbz₀	cmir₀c	cirac	cbz₀w
	Wick ...	cprobc	bcc	cF	cFff
16	Sumburgh ...	cbcc	bcir₀c	bc	bcFFid₀
17	Blacksod Point	c	b	f	d
18	Malin Head ...	pr	bc	bc	f
	Aldergrove ...	bcm₀prc	cybcy	bcb	bz₀
19	Birr Castle ...	bc	bc	*	bc
20	Valentia Obsy.	b	b	b	bc
	Roches Point	b	b	b	b

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Light Variable wind; fine and very warm at first; local thundery showers later.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light Variable or Westerly wind; fine and very warm at first, thunderstorms later today; becoming cooler
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light or moderate Westerly wind; variable cloud, thunderstorms or thundery rain; coastal fog in the West, becoming cooler.
16 Orkneys and Shetlands 17 N. W. Ireland 18 N. E. Ireland	As 12-15
19 S. E. Ireland 20 S. W. Ireland	As 1-6

GENERAL INFERENCE

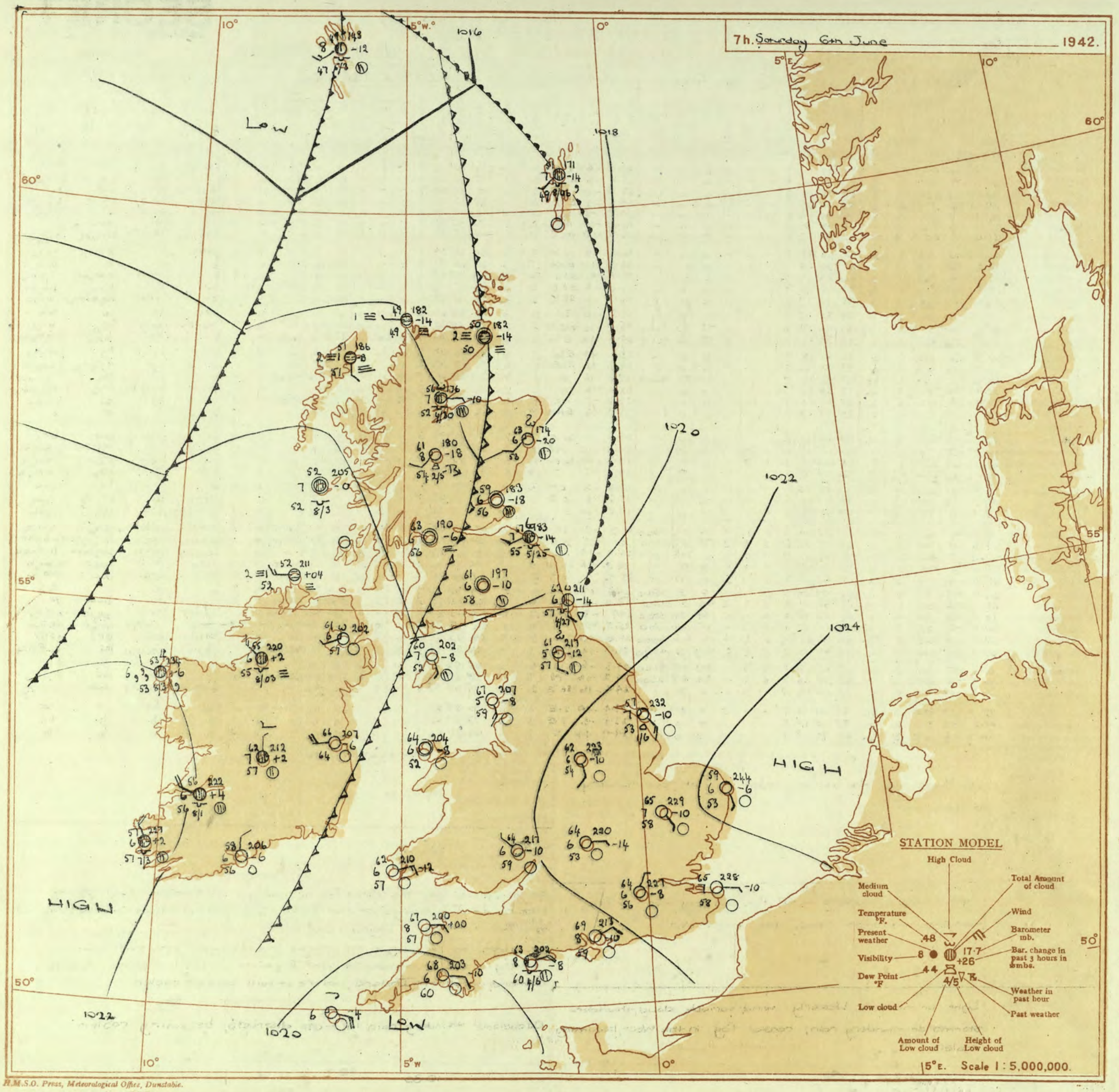
An anticyclone over the North Sea is receding and a shallow trough of low pressure is moving slowly East over Ireland and Scotland. Weather will be fine and very warm at first in England and Wales and South Ireland, but thunderstorms are likey in the North this afternoon and will occur locally in southern districts later. Thunderstorms are probable also in Scotland, and North Ireland, where it will become cooler

FURTHER OUTLOOK

Occasional thundery rain in most districts; becoming cooler

Forecasts issued at 10.30

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



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

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

Explanation of Frontal Lines shown on Charts

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

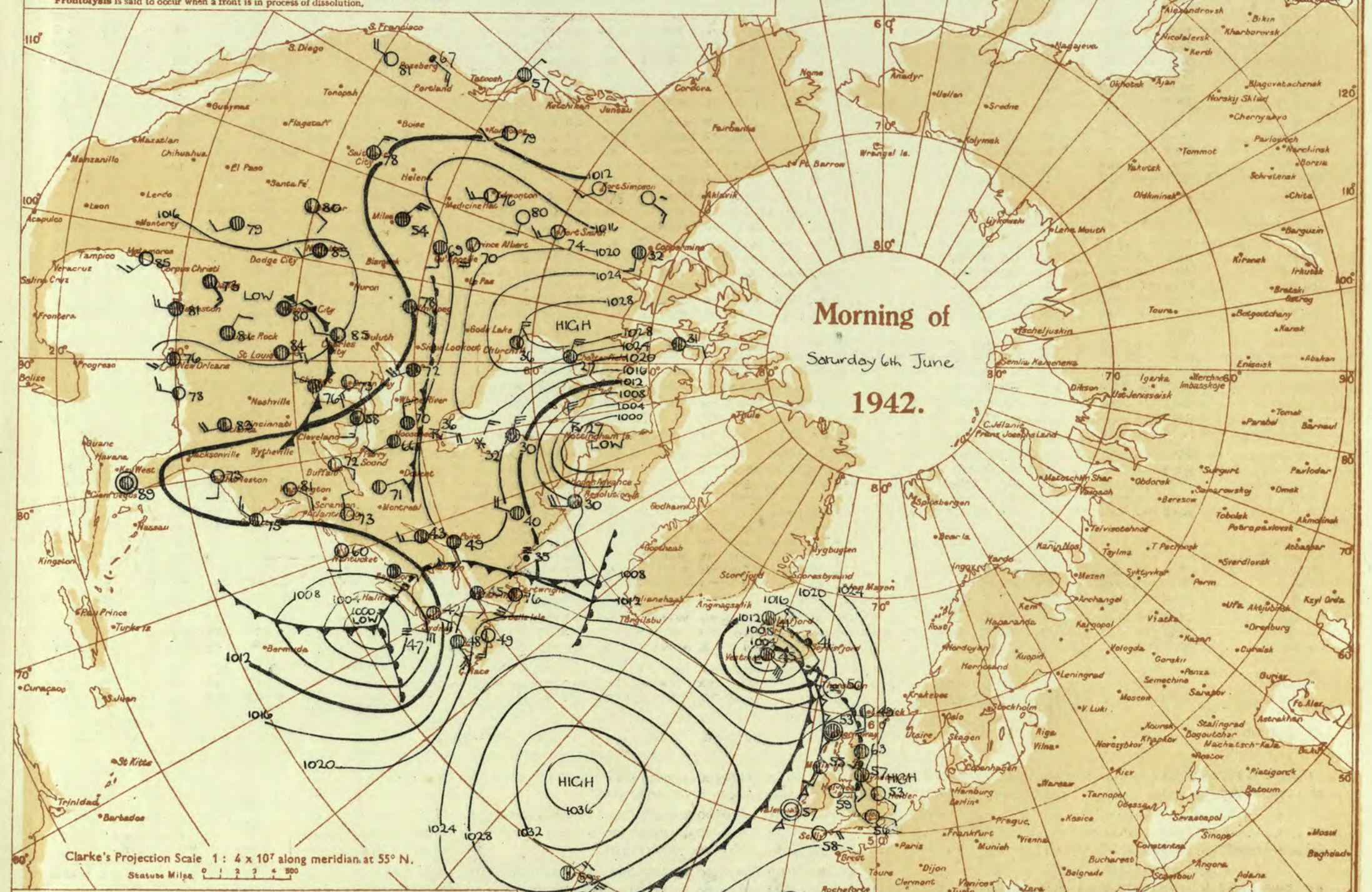
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Saturday 6th June 1942

No. 23416

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)	°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	*	*	*	*	*	63	*	*	*	*	*	*	*	*	*
	Croydon ...	290	24.7	-6	ESE	1	b	56	85	50	6	-	-	-	0	0	-
	S. Farnborough	226	24.3	-6	ENE	1	b	60	65	49	7	-	-	-	0	0	-
	Boscombe Down	417	24.3	-6	ENE	2	b	61	65	50	7	-	-	-	0	0	-
	Thorney Island	10	23.8	-4	NE	2	b	58	75	50	7	-	-	-	0	0	-
	Lympne ...	283	24.5	-10	NE	3	b	64	75	55	8	-	-	-	0	0	-
	Manston ...	154	25.0	-6	-	0	Zo	57	85		6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	25.4	-10	NE	2	b	59	85	54	7	-	-	-	0	0	-
	Gorleston ...	5	26.0	-10	-	0	Zo	55	97	55	6	-	-	-	0	0	-
	Mildenhall ...	15	25.0	-10	ESE	2	Zo	59	75	50	6	-	-	-	0	0	-
	Cranwell ...	203	24.9	-12	SE	1	Zo	55	92	53	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24.5	-4	E	1	Zo	64	65	53	6	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	22.4	-10	ENE	3	b	66	45	44	7	-	-	5	0	Tr	-
	Bristol ...	209	24.2	-6	-	0	Zo	63	75	55	6	-	-	-	0	0	-
	Portland Bill ...	32	23.1	-4	E	4	bc	60	85	54	8	1	-	-	4-6	4-6	4000
	Plymouth ...	82	23.0	-8	E	3	Zo	63	65	50	6	-	-	-	0	0	-
	The Lizard ...	240	22.5	-4	ENE	3	bc	59	92	56	7	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	21.7	-8	ENE	4	b	58	85	53	6	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	23.0	-10	E	2	b	65	75	57	7	-	-	-	0	0	-
7	Holyhead (Valley)	32	22.6	-12	E	1	Zo	59	85	52	6	-	-	-	0	0	-
	Chester (Sealand)	16	23.4	-4	SSE	1	b	63	85	58	5	-	-	-	0	0	-
8	Manchester ...	235	23.7	-8	SE'E	3	b	69	55	53	6	-	-	-	0	0	-
10	Spurn Head ...	29	25.8	-14	SE	1	bc	53	92	51	7	2	3	-	2-3	2-3	4000
	Catterick ...	175	24.9	-8	S	1	Zo	61	92	59	6	5	3	-	2-3	7-8	4000
	Tynemouth ...	108	25.1	-12	SSE	1	c/pr	57	92	54	6	5	-	-	9+	9+	2500
11	St. Abbs Head	280	22.8	-20	SE	3	c/pr	62	92	60	7	5	-	-	9	9	2500
	Leuchars ...	36	22.5	-14	-	0	Zo	55	92	54	6	5	3	8	2-3	4-6	4500
12	Renfrew (Abbots I.)	19	21.8	-18	-	0	m	59	92	58	4	2	8	-	4-6	4-6	4000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	22.8	-12	SE	2	c	59	85	53	8	5	-	-	9+	9+	4500
13A	Tiree	22															
13B	Stornoway ...	80	20.8	-18	-	0	Zo	53	97	53	6	5	7	-	7-8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	22.1	-14	SSW	1	Zo	63	75	56	6	5	-	-	9	9	4500
	Wick ...	114	21.6	-12	NNE	2	F+	49	97	49	1	-	-	-	10	10	<150
16	Sumburgh ..	19	21.4	-26	S	4	bc	49	97	49	7	5	7	-	Tr	7-8	1000
17	Blacksod Point	18	23.3	-6	WNW	1	f	55	92	53	2	-	-	-	10	10	<150
18	Malin Head ...	84	21.5	-18	SSW	1	bc	55	85	51	8	5	-	-	4-6	4-6	1500
	Aldergrove ...	268	22.0	-14	-	0	b	61	85	56	7	-	-	-	0	0	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	22.8	-12	-	0	b	57	92	55	6	-	-	-	0	0	-
	Roches Point	22	23.0	-8	N	2	b	57	97	56	7	-	-	-	0	0	-

OBSERVATIONS at 7 hr. G.M.T. 6th 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)	21.8	-6	E	2	Zo	66	75	55	5	-	-	-	0	0	-	0	*
	Croydon ...	22.7	-8	N'E	1	Zo	64	75	56	6	-	-	-	0	0	-	0	*
	S. Farnborough	21.8	-12	E	3	b	63	75	55	6	-	-	-	0	0	-	0	*
	Boscombe Down	21.8	-14	E	1	b	64	65	53	7	-	-	-	0	0	-	0	*
	Thorney Island	21.3	-10	NE	2	b	69	75	59	8	-	-	-	0	0	-	0	*
	Lympne ...	22.2	-12	E	1	b	69	75	58	7	-	-	-	0	0	-	0	§2
	Manston ...	22.8	-10	E'S	1	Zo	63	85	60	6	-	-	-	0	0	-	1	*
2	Shoeburyness ...	22.7	-10	ENE	1	b	63	85	58	6	-	-	-	0	0	-	0	*
	Felixstowe ...	23.7	-2	ENE	1	Zo	62	85	58	6	-	-	-	0	0	-	0	1
	Gorleston ...	24.4	-6	SSE	1	Zo	59	85	53	6	-	-	-	0	0	-	0	0
	Mildenhall ...	22.9	-10	SE	1	b	65	75	58	7	-	-	-	0	0	-	0	*
	Cranwell ...	22.3	-14	S'E	2	b	62	75	56	6	-	-	-	0	0	-	0	*
3	Birmingham ...	22.0	-10	SSE	1	Zo	68	55	51	6	-	-	-	0	0	-	0	*
	Upper Heyford	22.0	-14	E	1	Zo	64	65	53	6	-	-	-	0	0	-	0	*
4	Ross-on-Wye	21.7	-10	NW'N	1	Zo	64	85	59	6	-	-	-	0	0	-	0	*
5	Hartland Point	20.0	0	E	2	b	67	65	57	8	-	-	-	0	0	-	0	2
	Bristol ...	22.0	-14	E'S	1	b	63	75	54	7	-	-	-	0	0	-	0	*
	Portland Bill ...	20.2	-8	ENE	4	bc	63	85	60	8	5	-	-	4-6	4-6	4000	1	3
	Plymouth ...	20.3	-10	E'S	2	Zo	68	75	60	6	-	-	-	0	0	-	0	2
	The Lizard ...	19.7	-8	ENE	4	bc	60	85	56	8	8	6	-	4-6	4-6	2500	0	3
	Scilly (St. Mary's)	19.6	-4	E'S	4	b	60	85	56	6	-	-	3	0	Tr	-	0	2
6	Pembroke ...	21.0	-12	E'N	3	Zo	62	85	58	6	-	-	-	0	0	-	0	1
7	Holyhead (Valley)	20.4	-8	-	0	Zo	64	65	53	6	-	-	-	0	0	-	0	1
	Chester (Sealand)	20.7	-8	SE'S	2	b	66	85	59	6	-	-	-	0	0	-	0	*
8	Manchester ...	21.4	-12	S'E	3	Zo	69	65	55	6	-	-	-	0	0	-	0	*
10	Spurn Head ...	23.2	-10	SE	3	b	57	85	53	7	1	-	-	Tr	Tr	4000	0	3
	Catterick ...	21.7	-12	S	2	Zo	61	85	57	5	-	-	9	0	1	-	0	*
	Tynemouth ...	21.1	-14	S	2	c	62	85	57	6	5	3	-	4-6	7-8	2700	1	2
11	St. Abbs Head	18.3	-14	WSW	2	c	67	65	55	7	5	7	-	7-8	10	2500	0	2
	Leuchars ...	18.3	-18	-	0	Zo	59	92	56	6	-	-	-	0	0	-	1	*
12	Renfrew (Abbots I.)	19.0	-6	-	0	Zo	63	75	56	6	-	-	-	0	0	-	1	*
	Eskdalemuir ...	19.7	-10	-	0	c	61	85	58	6	-	-	-	0	0	-	1	*
	Point of Ayre ...	20.2	-8	SSE	1	b	60	75	52	7	-	-	-	0	0	-	0	1
13A	Tiree	20.5	0	-	0	c	52	97	52	7	5	-	-	10	10	800	-	2
13B	Stornoway ...	18.6	-8	S	2	f-	51	97	51	2	-	-	-	10	10	<150	1	1
15	Dalwhinnie ...	18.8	-18	SW	2	b	61	75	54	8	2	-	-	1	1	2500	1	*
	Aberdeen † ...	17.4	-20	SW'S	2	bif	63	85	58	6	-	-	9	0	Tr	-	1	
	Wick ...	18.2	-14	-	0	f	50	97	50	2	-	-	-	10	10	<150	1	*
16	Sumburgh ..	17.9	-14	SW	2	F+	49	97	49	1	-	-	-	10	10	<150	1	1
17	Blacksod Point	23.4	+6	W'NW	2	di	53	97	52	6	-	2	-	10	10	800	1	2
18	Malin Head ...	21.1	+4	W	3	f-	52	97	51	2	-	-	-	10	10	<150	0	1
	Aldergrove ...	20.2	-4	WSW	1	Zo	61	85	57	6	-	3	-	0	1	-	-	*
19	Birr Castle ...	21.2	+2	N	1	c	62	85	57	7	-	-	5	0	9	-	0	*
20	Valentia Obsy.	22.7	+2	N'W	4	Zo	57	97	56	6	5	-	-	9+	9+	800		3
	Roches Point	20.6	-6	N	2	Zo	58	92	56	6	-	-	-	0	0	-	0	1

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine Hrs. (38)
1	London (Kew)	83	57	43	-	-	14.0
	Croydon ...	82	53	50	-	0.2	14.7
	S. Farnborough	85	54	42	-	-	15.2
	Boscombe Down	84	55	49	-	-	14.5
	Thorney Island	85	56	48	-	-	*
	Lympne ...	79	58	49	-	-	14.4
	Manston ...	74	51	45	-	0.1	14.6
2	Shoeburyness ...	73	51	45	-	-	13.7
	Felixstowe ...	68	55	50	-	-	14.8
	Gorleston ...	64	56	46	-	-	15.0
	Mildenhall ...	85	53	44	-	Tr	14.3
	Cranwell ...	83	51	41	-	-	14.3
3	Birmingham ...	84	62	48	-	-	13.8
	Upper Heyford	83	59	50	-	-	*
4	Ross-on-Wye	84	56	47	-	-	13.7
5	Hartland Point	81	63		-	-	14.3
	Bristol ...	83	54	41	-	-	13.4
	Portland Bill ...	70	57	*	-	-	*
	Plymouth ...	79	62	54	-	-	13.4
	The Lizard ...	68	58	*	-	-	14.3
	Scilly (St. Mary's)	70	57	*	-	-	14.3
6	Pembroke ...	75	59	*	-	-	14.2
7	Holyhead (Valley)	83	54	46	-	-	*
	Chester (Sealand)	87	62	52	-	-	13.7
8	Manchester ...	85	59	51	-	-	*
10	Spurn Head ...	69	52	*	-	-	14.0
	Catterick ...	83	58	54	-	-	13.5
	Tynemouth ...	61	54	52	-	0.4	*
11	St. Abbs Head	61	55	*	-	Tr	*
	Leuchars ...	64	52	48	Tr	0.3	9.7
12	Renfrew (Abbots I.)	78	53	49	-	0.1	8.7
	Eskdalemuir ...	79	53	48	-	-	11.3
	Point of Ayre ...	70	53	*	-	-	11.1
13A	Tiree	64	50	*	-	-	4.0
13B	Stornoway ...	66	50	*	Tr	-	12.0
15	Dalwhinnie ...	71	55	48	Tr	1.0	0.6
	Aberdeen † ...	56	53	49	0.1	0.1	7.1
	Wick ...	55	46	46	Tr	0.1	*
16	Sumburgh ..	56	49	47	-	Tr	7.4
17	Blacksod Point	72	52	*	-	0.1	*
18	Malin Head ...	68	58	52	0.2	7	06.0
	Aldergrove ...	81	55	45	-	-	10.6
19	Birr Castle ...	83	57	51	-	-	14.5
20	Valentia Obsy.	81	56	49	-	Tr	14.3
	Roches Point	69	64	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 5th June				18h. G.M.T.			01h. G.M.T. 6th 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 57	25865	13487	53	02841	16416	53	08303	28125	--	48209	00049
115 5-	25844	12287	53	02844	20427	--	46009	28249	--	45109	24149
203			55	01844	16527				--	46209	16349
206 77	02965	08316	57	02965	08126	08	02890	00025	53	09764	08125
210 19	02861	30317	51	22865	00067	58	02874	17265	03	02990	19228
220			53	01853	21214						
230 53	02864	00087	53	02865	00026	08	01790	00024	52	09664	20216
245 5-	47308	09148	57	05637	09168	53	05664	00064	04	05690	00011
260			40	21674	02154	5-	08474	02164	00	41590	00041
278 08	05790	10313	08	02890	12326	04	05690	12382	00	05690	13100
279 08	00790	22312	05	01890	00014	03	05690	04114	00	05590	00000
285 13	01862	14303	0						13	00751	06202
288 00	08490	01400	04	00890	05301	57	01763	20215	03	05590	20262
575 03	01890	14214	14	00761	03212	50	00761	28101	5-	05628	28348
301 03	05590	27301	03	00790	32201	03	05690	12201	00	05590	14300
321 00	00890	32202				04	05690	00011	00	05690	14100
299 00	05690	30300	00	00790	30100	5-	02756	16226	57	01753	22314
292 08	01890	32115	04	00890	08101	03	05690	00014	00	05690	11110
310 --	05641	24201							--	01641	24401
616 00	05590	06200	00	05690	08100	04	05690	02101	00	05690	14100

13h. G.M.T. 5th June				18h. G.M.T.			01h. G.M.T. 6th 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
333 04	01890	12101	00	00790	30200	00	05690	00000	00	00790	10100
334 --	00690	00000	--	00790	24201						
340 00	00890	16100	00	00790	12200	00	05690	10200	00	17690	12200
136 00	05690	02200	00	00790	03200	04	00761	09201	00	00790	14200
336 00	00790	12300	00	00790	12300				00	00790	12300
350 00	00790	00000	00	00790	03300	00	05690	12100	00	05690	12200
368 00	00690	09300	00	00790	08100	00	05690	04100	00	05690	08200
379 10	00762	08100	00	00790	08100	00	05690	08100	00	00790	12200
390 00	00890	08100	00	00890	10200	00	05690	00000	00	05690	06100
382 00	00790	08200	00	00790	00000	00	05690	00000	00	05690	00000
438 00	00790	04300	04	01790	06302				00	05690	06210
430						00	05690	06100	00	00890	06300
409 00	00890	12300	00	00790	12300	00	05690	08400	50	05676	11416

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 6th 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	bzby	byw	bwzo
Croydon ...	b	bymow	bmpwz
Greenwich ...	by	by	bybzo
Camden Square	b	b	*
Kensington ...	b	p	*
Hampstead ...	b	b	b

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. Time 0.3 6h 6th. Min. Time <0.1 13-21h 5th

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	83	57	43	-	-	14.0	*	*
Croydon ...	82	53	50	-	0.2	14.7	*	*
Greenwich ...	82	55	39	-	-	14.4	32	64
Westminster ...	83	60	56	-	-		47	75
Regents Park ...	86	58	53	-	-		48	56
Camden Square	89	59	50	-	-	*	*	63
Kensington ...	87	56	47	-	-		43	60
Hampstead ...	83	56	52	-	-		*	61

BRITISH SECTION

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

SECRET

Sunday 7th June 1942

No. 29417

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)	17.7	-18	SSW	2	Z	82	45	55	6	-	-	-	0	0	-
	Croydon ...	18.9	-22	SSE	2	b	85	45	59	7	-	-	-	0	0	-
	S. Farnborough	18.4	-18	SE	2	b	85	45	59	7	-	-	-	0	0	-
	Boscombe Down	18.6	-20	SE'S	1	b	84	45	62	7	1	-	-	Tr	Tr	4000
	Thorney Island	18.9	-18	SSE	2	Z	79	65	65	6	-	-	-	0	0	-
	Lympne ...	19.9	-14	ESE	2	Z	77	65	64	6	-	-	-	0	0	-
	Manston ...	19.9	-18	E'S	2	Z	75	75	65	6	-	-	-	0	0	-
2	Shoeburyness ...	20.4	-22	E'N	2	b	71	75	63	6	-	-	-	0	0	-
	Felixstowe ...	20.7	-18	ENE	2	Z	66	75	57	6	-	-	-	0	0	-
	Gorleston ...	22.8	-10	S'W	2	Z	60	85	54	6	-	-	-	0	0	-
	Mildenhall ...	19.3	-22	SE'S	3	b	84	35	52	8	-	-	-	0	0	-
	Cranwell ...	18.0	-28	SSE	3	b	81	45	61	7	-	-	-	0	0	-
3	Birmingham ...	18.2	-20	S	2	b	81	45	61	8	1	-	-	Tr	Tr	4000
	Upper Heyford	19.2	-18	SE	2	b	82	45	61	7	1	-	-	Tr	Tr	4000
4	Ross-on-Wye	17.8	-24	S'W	3	b	83	55	63	7	1	-	-	Tr	Tr	4000
5	Hartland Point	17.8	-16	NE	2	b	73	65	62	7	-	-	-	0	0	-
	Bristol ...	18.6	-22	SE	1	bc	83	55	66	7	1	-	-	2-3	2-3	4000
	Portland Bill ...	19.1	-8	E	3	bc	64	85	61	8	1	-	-	4-6	4-6	4000
	Plymouth ...	18.5	-10	SSW	3	Z	67	85	61	6	1	-	-	Tr	Tr	4000
	The Lizard ...	18.9	-6	ENE	3	bc	66	75	54	7	4	-	-	2-3	2-3	3500
	Scilly (St. Mary's)	18.9	-6	E	2	b	71	75	63	6	-	-	-	0	0	-
	Guernsey ...															
6	Pembroke ...	18.8	-14	S'W	4	Z	65	75	55	7	-	3	-	0	2-3	-
7	Holyhead (Valley)	18.3	-14	SW'W	2	b	73	65	59	7	-	-	-	0	0	-
	Chester (Sealand)	17.7	-14	WNW	4	bc	75	45	51	6	5	3	-	2-3	2-3	5000
8	Manchester ...	17.6	-24	S'W	3	b	83	35	53	8	-	-	-	0	0	-
10	Spurn Head ...	19.7	-20	SE	4	Z	58	85	53	7	-	-	-	0	0	-
	Catterick ...	17.5	-28	SW	3	Z	83	45	60	6	2	-	-	2-3	2-3	4000
	Tynemouth ...	17.1	-16	WSW	3	bc	83	35	52	6	2	-	-	4-6	4-6	2800
11	St. Abbs Head	15.5	-10	W	2	bc	75	55	55	7	5	-	-	4-6	4-6	3500
	Leuchars ...	14.5	-18	WSW	3	Z	76	65	61	6	2	8	-	4-6	7-8	4000
12	Renfrew (Abbots I.)	17.8	0	WNW	4	c	63	75	55	8	7	9	-	4-6	9+	3500
	Eskdalemuir ...	15.2	-18	SW	4	b	75	55	59	6	2	-	-	1	1	3500
	Point of Ayre...	18.9	-6	NW	4	b	64	75	54	7	1	-	5	Tr	1	2000
13A	Tiree	20.7	-4	NW'W	2	bc	55	75	48	8	7	-	1	2-3	2-3	2500
13B	Stornoway ...	18.1	0	WSW	4	c	57	75	47	8	1	6	-	4-6	7-8	2000
15	Dalwhinnie ...	17.5	-6	SW	3	c	62	75	54	7	8	3	-	4-6	9+	1500
	Aberdeen ...	14.1	-6	N'E	3	pr	67	75	59	7	3	-	-	9+	9+	2000
	Wick ...	16.1	-2	NW	3	c	58	92	56	9	5	1	-	9+	10	2000
16	Sumburgh ...	14.1	-14	SW	3	rF	50	97	50	1	-	-	-	10	10	2150
17	Blacksod Point	24.5	+6	NW	4	c	55	85	51	8	8	-	-	9	9	2500
18	Malin Head ...	21.2	+2	WNW	3	c/d	52	85	48	8	5	2	-	4-6	10	1500
	Aldergrove ...	20.5	+2	NW'W	3	c/d	59	75	52	9	5	-	-	10	10	1500
19	Birr Castle ...	21.7	+6	NNW	2	c	59	85	55	7	5	2	-	7-8	10	2500
20	Valentia Obsy.	24.7	+14	N'W	6	c	56	85	52	8	5	-	-	9+	9+	1500
	Roches Point	20.3	-2	N	5	bc	63	85	59	8	1	-	-	2-3	2-3	4000

OBSERVATIONS at 18h. G.M.T. 6th 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)	15.5	-12	SSW	3	bc	82	55	66	7	8	-	-	2-3	2-3	2500	0	*
	Croydon ...	16.1	-10	SSW	1	b	82	45	62	8	-	-	-	0	0	-	0	*
	S. Farnborough	15.7	-10	SW'W	3	b	83	45	62	7	-	-	-	0	0	-	0	*
	Boscombe Down	16.4	-10	SW'S	2	Z	80	65	65	6	1	-	-	Tr	Tr	4000	0	*
	Thorney Island	16.6	-12	S'W	2	Z	69	75	62	6	-	-	-	0	0	-	0	*
	Lympne ...	17.3	-14	E'S	1	Z	77	65	66	6	-	-	-	0	0	-	0	§2
	Manston ...	16.6	-16	-	0	Z	74	65	62	6	-	-	-	0	0	-	0	*
2	Shoeburyness ...	16.6	-20	ESE	3	b	66	85	60	6	-	-	-	0	0	-	0	*
	Felixstowe ...	17.2	-20	E	1	b	65	75	56	7	-	-	-	0	0	-	0	1
	Gorleston ...	17.9	-22	-	0	Z	61	75	54	6	-	-	-	0	0	-	0	2
	Mildenhall ...	15.8	-18	SE	3	b	79	55	59	7	-	-	-	0	0	-	0	*
	Cranwell ...	14.9	-18	SSW	3	bc	77	55	61	7	-	7	3	0	7-8	-	0	*
3	Birmingham ...	16.3	-10	WNW	3	ct	80	45	60	8	3	-	-	7-8	7-8	2500	0	*
	Upper Heyford	15.6	-14	SSW	3	b	82	55	61	7	1	1	-	Tr	1	4000	0	*
4	Ross-on-Wye	15.4	-14	SW	3	Z	81	55	64	6	1	-	-	1	1	4000	0	*
5	Hartland Point	17.7	+4	W	3	bc	68	75	60	7	3	-	-	2-3	2-3	3000	0	2
	Bristol ...	16.4	-12	SW	2	Z	81	65	66	6	2	-	-	4-6	4-6	4000	0	*
	Portland Bill ...	17.1	-4	E	2	bc	63	85	60	8	1	-	-	4-6	4-6	4000	1	3
	Plymouth ...	17.3	-4	SSW	1	Z	69	85	62	6	5	-	-	4-6	4-6	6000	0	2
	The Lizard ...	18.1	0	NW	1	bc	65	85	60	7	7	6	-	2-3	4-6	3500	0	3
	Scilly (St. Mary's)	18.7	-2	NW'N	4	c	65	85	59	6	-	1	-	0	2-3	-	0	2
	Guernsey ...																	
6	Pembroke ...	18.6	+2	N'E	6	bq	65	85	59	6	-	3	-	0	1	-	0	3
7	Holyhead (Valley)	19.8	+12	NNW	3	c	55	85	50	8	5	-	-	10	10	800	0	3
	Chester (Sealand)	18.9	+18	NW	5	c	58	85	53	7	5	7	-	2-3	10	3000	0	*
8	Manchester ...	16.1	0	WNW	4	c	68	75	60	6	2	8	1	2-3	7-8	4000	1	*
10	Spurn Head ...	15.7	-8	SSE	4	Z	62	85	46	6	-	-	-	0	0	-	0	3
	Catterick ...	14.5	-6	W'S	3	c	77	45	52	7	8	-	1	7-8	9	4000	0	*
	Tynemouth ...	15.0	-6	W	4	bc	78	45	54	6	2	-	-	2-3	2-3	2800	0	2
11	St. Abbs Head	14.4	0	WNW	4	c	60	75	52	7	5	5	-	7-8	9+	3000	0	3
	Leuchars ...	14.8	+6	WNW	4	c	64	65	53	8	8	7	5	4-6	9	3500	0	*
12	Renfrew (Abbots I.)	18.4	+6	WNW	5	bc	57	55	41	9	1	4	5	4-6	4-6	4500	0	*
	Eskdalemuir ...	16.0	+6	WNW	3	c	58	75	49	8	5	2	-	2-3	7-8	2500	1	*
	Point of Ayre...	19.8	+8	NNW	5	c	55	85	50	8	5	4	-	4-6	7-8	3000	0	4
13A	Tiree	20.0	-2	WNW	2	bc	53	75	45	8	8	3	-	2-3	2-3	2800	0	3
13B	Stornoway ...	16.6	-6	WSW	4	c/pr	51	92	49	8	2	6	-	4-6	7-8	1000	1	2
15	Dalwhinnie ...	17.0	+4	NW	2	bc	54	55	38	7	8	-	-	4-6	4-6	2500	0	*
	Aberdeen ...	14.7	+4	NNE	3	Z	57	85	53	6	3	-	-	10	10	1200	1	2
	Wick ...	14.1	-16	NW	5	c	55	65	42	9	5	3	-	7-8	7-8	2000	0	*
16	Sumburgh ...	13.0	-2	W	3	bc	51	85	48	8	5	3	-	1	4-6	700	0	2
17	Blacksod Point	24.9	+2	NW'W	5	bc	54	65	43	8	8	-	-	2-3	2-3	2500	0	4
18	Malin Head ...	21.3	+2	W'N	4	bc	54	65	43	8	2	1	-	2-3	4-6	2500	0	3
	Aldergrove ...	21.3	+2	W'N	4	c	56	55	42	9	7	-	1	9	9	2000	0	*
19	Birr Castle ...	22.6	+2	NNW	3	bc	61	55	46	8	2	-	-	4-6	4-6	1500	0	*
20	Valentia Obsy.	25.9	+6	N	6	bc	55	65	44	9	1	-	-	4-6	4-6	4000	0	5
	Roches Point	21.0	+10	N	6	b	59	75	52	8	1	-	-	Tr	Tr	4000	0	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 6th (39)	Weather. 13h.—18h. 6th (40)	Weather. 18h. 6th to 1h. 7th (41)	Weather. 1h.–7h. 7th (42)
1	London (Kew)	bz.	bbcy	bcybz.	bbccy
	Croydon ...	bzoy	by	bybc	
	S. Farnborough	bz.by	bbcby	bz.	bzcyc
	Boscombe Down	bby	bzoy	bzobm.	bcbc
	Thorney Island	bbybz.	bz.		bcwcv
	Lympne ...	bybz.	bz.y bz.	bz.	b,cm.
	Manston ...	bmoz.	bz.ybz.	bzm.w	bmwcm.
2	Shoeburyness ...	bm.bz.	bz.bm.	bm.	bm.c
	Felixstowe ...	bm.	bm.b	bm.	bbcm.
	Gorleston ...	bz.	bz.	bm.	c
	Mildenhall ...	by	by	bybz.	ctlrcb
	Cranwell ...	bz.b	bbc	bycm.c	b
3	Birmingham ...	by	bbcq	Hbc	b
	Upper Heyford	bz.yby	bzoyby	bybz.c	clz.bc
4	Ross-on-Wye	bz.b	by	bcc	cb
5	Hartland Point	b	bbc	bcbc	bc
	Bristol ...	owbcy	bebbc	bczgm.	cm.,b
	Portland Bill ...	bc	bc	bc	bcc
	Plymouth ...	bz.	bm.bcm.	bcm.bm.	b
	The Lizard ...	bc	bcz.	bcc	bc
	Scilly (St. Mary's)	b	bbc	bcc	cbbc
	Guernsey ...				
6	Pembroke ...	cbcz.	bczq	bcbq	bcq
7	Holyhead (Valley)	b	cz.	bcb	b
	Chester (Sealand)	bbczoy	b,cyz.	cb	bc
8	Manchester ...	b	bbcz.	cbcz.	bccm.
10	Spurn Head ...	bz.	bz.	cm.	b
	Catterick ...	bmoy	bm.bycy	cybcb	by
	Tynemouth ...	bcm.	bc	bcbc	bc
11	St. Abbs Head	cbbcm.	ctlrmoc	cm.bcb	b
	Leuchars ...	bmoy	bcc	bvb	bv
12	Renfrew (Abbots I.)	bcc	cbcy	bccpr.	cpr.bc
	Eskdalemuir ...	bzoy	bbcc	cbcb	bbc
	Point of Ayre...	b	bbcc	cbcb	bbcb
13A	Tiree	cbc	bc	bc	bcpr
13B	Stornoway ...	fcpr	cpropr	cbcir	cir
15	Dalwhinnie ...	b,c	cbcy	*	bcpr.
	Aberdeen ...	cpr.	cpr.zo	czoc	cbcw
	Wick ...	c	c	cbcb	cbc
16	Sumburgh ...	cr.FF	cfd.cbc	b	b,cpr.c
17	Blacksod Point	bc	bc	bc	bc
18	Malin Head ...	d	pr	pr	pr
	Aldergrove ...	cmoid.m.c	cdocy	b	bbcc
19	Birr Castle ...	c	bc	*	bc
20	Valentia Obsy.	c	bc	c	bc
	Roches Point	b	bc	b	bc

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Moderate or fresh North to Northwest wind; mainly fine but a few scattered showers; cool.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Fresh West to Northwest wind; bright periods; occasional showers; cool.
12 S.W. Scotland & Isle of Man ♠ 13A W. Scotland ... ♠	Fresh squally Westerly wind, gale locally on coast; showers; bright intervals; cool.
13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh squally West wind veering Northwest; gale locally on Northwest coast at first; showers and bright intervals cool.
16 Orkneys and Shetlands	As 13B-15.
17 N.W. Ireland ♠ 18 N.E. Ireland	As 12-13A.
19 S.E. Ireland ♠ 20 S.W. Ireland	As 7-11.

GENERAL INFERENCE

A depression centred northeast of Shetland is moving east and a trough of low pressure over north Scotland is moving very slowly south. Cool winds from between north and west will affect all districts of the British Isles. There will be frequent showers in north Scotland and scattered showers elsewhere with long bright periods.

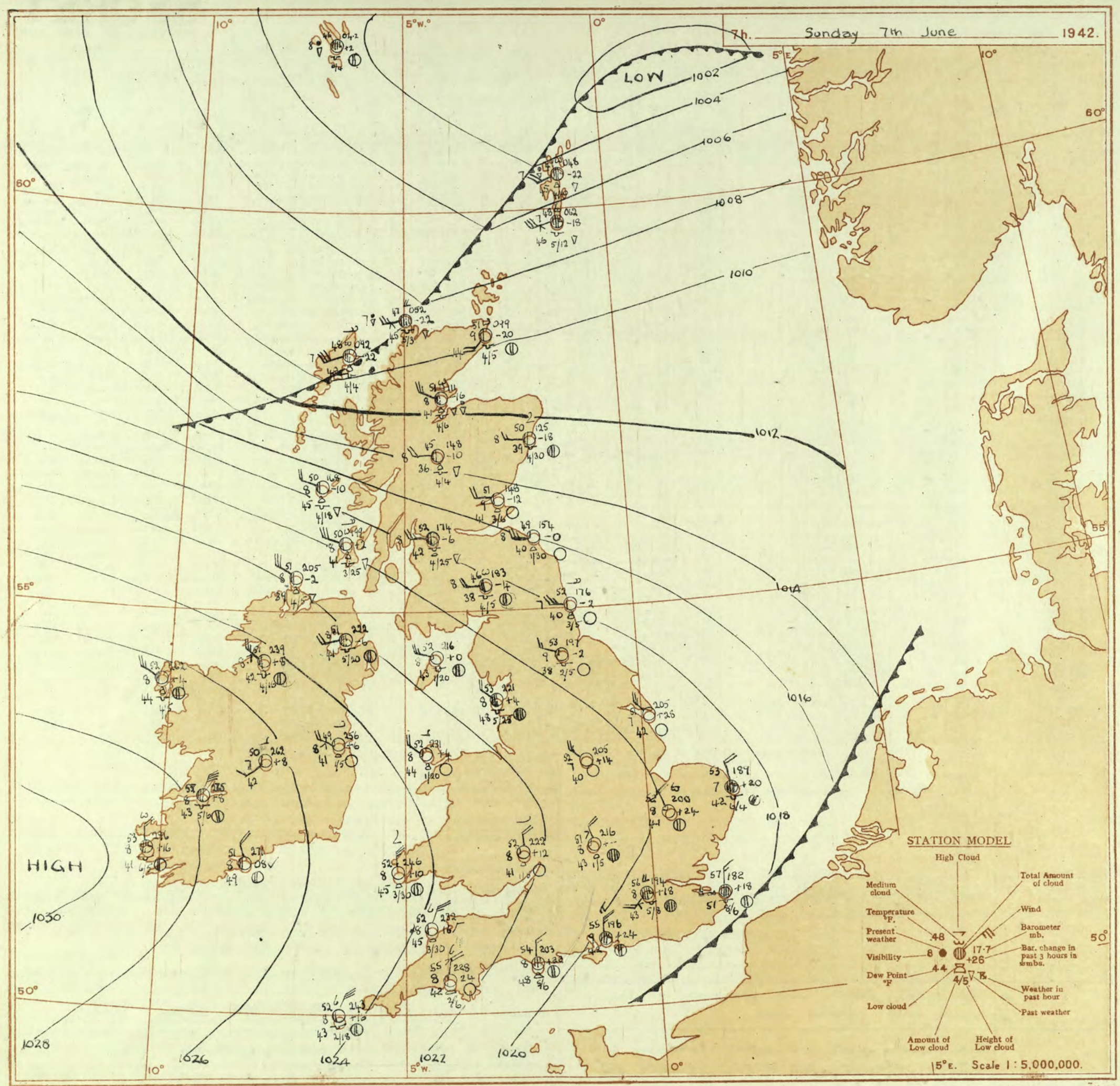
FURTHER OUTLOOK

Showery in the North; fair apart from scattered showers in the South; rather cool.

♠ Warning of Westerly gale issued at 0915 G.M.T. 7.6.42. in districts 12, 13, 17 and 18.

Forecasts issued at 10.30.

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



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

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

Explanation of Frontal Lines shown on Charts

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

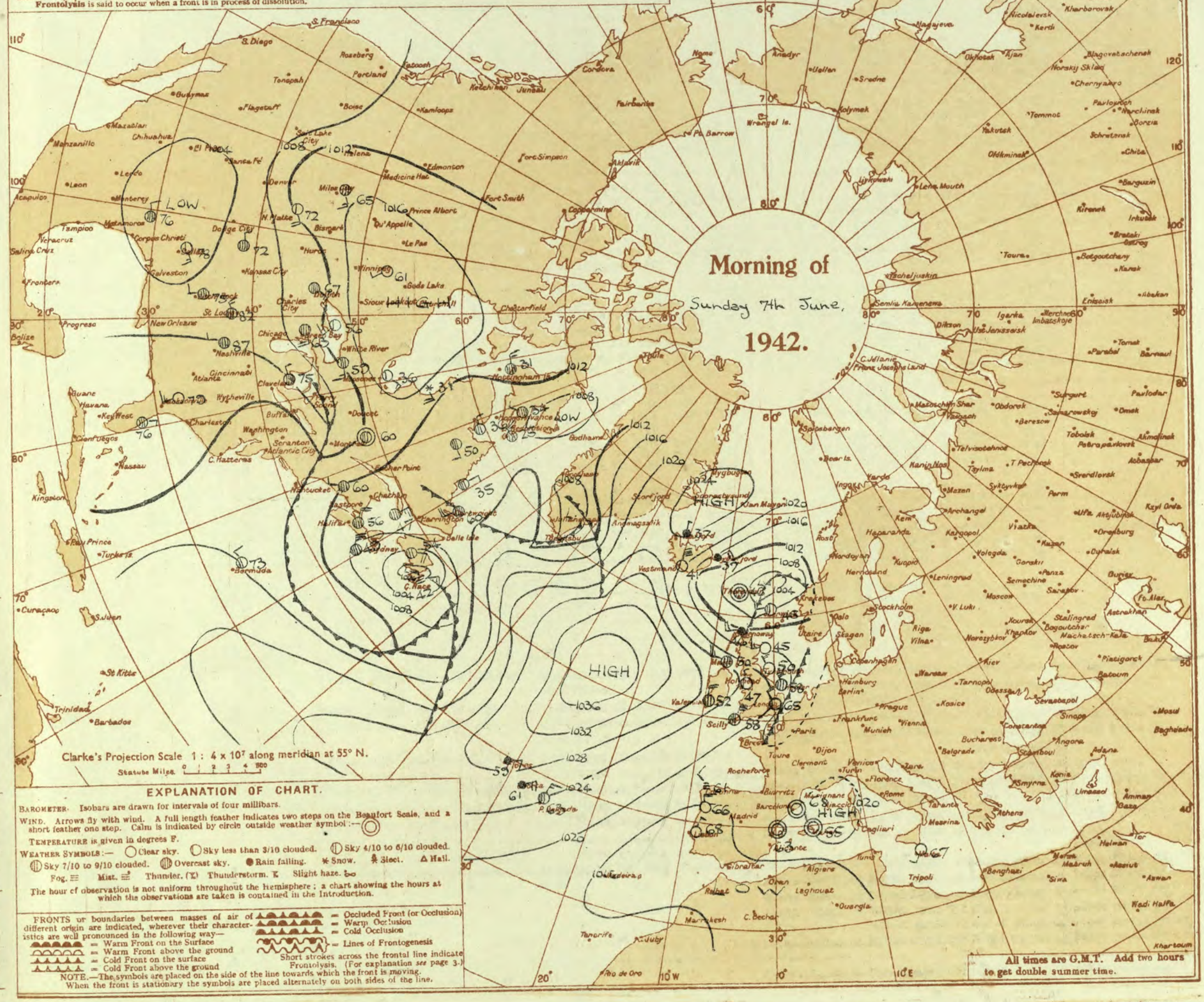
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Sunday 7th June 1942

No. 29417

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	*	*	*	*	*		*	*	*	*	*	*	*	*	*
	Croydon ...	290	16·8	+8	NW'N	4	bc	65	85	56	7	5	-	-	2-3	2-3	4500
	S. Farnborough	226	15·6	+14	NW'N	3	2o	59	75	47	6	5	-	-	1	1	3000
	Boscombe Down	417	18·6	+2	N	4	b	56	83	50	7	-	-	-	0	0	-
	Thorney Island	10	15·5	-4	NNW	3	b	63	92	60	7	-	3	-	0	1	-
	Lympne ..	283	15·3	-6	SW	1	2o	65	85	60	6	-	6	-	0	2-3	-
	Manston ...	154	14·6	-10	W'NW	1	2o	64	85	60	5	-	-	-	0	0	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	15·0	-4	NW	4	2o	66	85	62	6	-	-	-	0	0	-
	Gorleston ...	5	14·7	-16	NNW	5	2o	65	85	60	6	-	-	-	0	0	-
	Mildenhall ...	15	16·6	+20	NW	5	2o	63	65	52	6	5	-	-	9	9	2200
	Cranwell ...	203	17·5	+16	NW	5	c	57	65	46	7	3	-	-	10	10	1600
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18·6	+12	NW	5	l	57	75	49	6	5	-	-	9+	9+	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·6	+4	N	3	bc	53	85	49	7	5	-	-	2-3	2-3	2300
	Bristol ...	209	19·8	+22	N	4	2o	57	85	53	6	5	-	-	10	10	1800
	Portland Bill ...	32	16·3	-6	N	3	bc	60	92	58	7	5	-	-	4-6	4-6	2500
	Plymouth ...	82	18·6	+6	N'E	4	b	58	85	53	7	5	-	-	Tr	Tr	3700
	The Lizard ...	240	18·6	+6	N'W	6	bc	56	85	50	7	8	-	-	4-6	4-6	2500
	Scilly (St.Mary's)	163	21·9	+10	N'E	5	c	58	92	56	7	5	3	-	4-6	7-8	1800
	Guernsey ...	175															
6	Pembroke ...	142	22·2	+8	N	6	bq	51	75	45	7	-	-	-	0	0	-
7	Holyhead (Valley)	32	22·2	+4	NNW	1	b	47	92	45	8	5	-	-	Tr	Tr	4000
	Chester (Sealand)	16	21·2	+6	NW'N	4	b	50	75	42	8	1	-	-	Tr	Tr	4000
8	Manchester ...	235	20·2	+2	NW'W	4	b	50	85	46	6	5	-	-	Tr	Tr	2500
10	Spurn Head ...	29	16·3	+16	NW'N	5	2o	58	85	49	6	4	6	-	9	9	2500
	Catterick ...	175	18·3	+10	NW	3	b	50	75	41	7	-	-	-	0	0	-
	Tynemouth ...	108	18·3	0	NW	5	bc	49	75	40	7	-	4	-	0	2-3	-
11	St. Abbs Head	280	16·2	+8	W	4	b	48	75	40	7	4	-	-	1	1	4000
	Leuchars ...	36	16·6	-2	W	3	b	45	83	41	8	2	-	-	Tr	Tr	3500
12	Renfrew (Abbots I.)	19	18·7	0	W'S	2	cpr	48	85	43	8	8	-	-	7-8	7-8	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	21·2	0	NW'N	5	b	56	85	48	8	4	-	-	1	1	3000
13A	Tiree	22	19·0	-8	WNW	2	bc	48	85	44	8	8	-	-	2-3	2-3	2500
13B	Stornoway ...	80	13·5	-20	WSW	4	iR	46	97	46	7	5	2	-	7-8	9+	1000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	14·9	-6	W'S	3	b	45	75	38	9	-	-	-	0	0	-
	Wick ...	114	13·5	-14	SSW	3	b	42	92	40	9	4	-	-	2-3	2-3	3000
16	Sumburgh ..	19	10·2	-4	WSW	5	bc	47	85	43	8	5	4	-	2-3	2-3	1500
17	Blacksod Point	18	26·0	0	NW'W	4	bc	50	75	43	8	8	-	-	4-6	4-6	2500
18	Malin Head ...	84	21·2	-6	W'N	5	bc	50	75	43	8	5	2	-	4-6	7-8	2500
	Aldergrove ...	268	22·7	-2	NW	3	b	48	75	41	8	5	-	-	1	1	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	28·0	+6	N	4	c	52	75	43	9	5	-	-	7-8	7-8	2500
	Roches Point	22	25·7	+20	N	6	b	51	85	43	8	-	-	-	0	0	-

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)	20·7	+24	N	4	c	55	55	40	8	5	3	-	2-3	7-8	4000	0	*
	Croydon ...	19·4	+18	NNW	4	c	56	65	43	8	5	3	-	7-8	9+	6500	0	*
	S. Farnborough	20·3	+18	NNW	4	c	53	65	40	8	5	3	-	2-3	9	3000	0	*
	Boscombe Down	21·6	+18	N	5	bc	52	65	41	8	5	-	-	4-6	4-6	4000	0	*
	Thorney Island	19·6	+24	N	5	c	53	65	42	9	-	9	-	0	9+	-	0	3
	Lympne ..	18·8	+24	N	4	c	53	85	54	7	5	-	-	10	10	900	0	2
	Manston ...	18·2	+18	N'E	3	2o	57	83	51	6	5	-	-	10	10	3500	0	*
2	Shoeburyness...	18·9	+20	NNW	4	c	56	65	48	8	5	-	-	10	10	1800	0	*
	Felixstowe ...	19·5	+34	NNW	4	c	55	65	42	8	5	1	-	7-8	10	2500	0	2
	Gorleston ...	18·9	+20	N'W	4	c	53	65	42	7	5	-	-	9	9	2000	0	3
	Mildenhall ...	20·0	+24	NNW	4	b	52	65	41	8	-	7	-	0	1	-	0	*
	Cranwell ...	20·5	+14	NW	5	b	52	65	40	7	-	-	-	0	0	-	0	*
3	Birmingham ...	22·0	+10	NNW	4	bc	51	75	43	8	1	-	-	4-6	4-6	2500	0	*
	Upper Heyford	21·6	+22	N'W	4	b	51	75	43	8	1	-	-	Tr	Tr	2500	0	*
4	Ross-on-Wye	22·2	+12	N	4	bc	52	65	41	8	1	-	1	Tr	Tr	3000	0	*
5	Hartland Point	23·2	+16	NNE	5	bc	52	75	45	8	1	4	-	2-3	2-3	3000	0	4
	Bristol ...	22·8	+14	N'E	4	b	52	75	42	9	1	4	-	Tr	Tr	2500	0	*
	Portland Bill ...	20·3	+22	N	3	c	54	85	48	8	2	-	-	7-8	7-8	4000	1	2
	Plymouth ...	22·8	+28	NNE	4	b	55	65	44	8	1	4	-	1	2-3	4000	0	3
	The Lizard ...	22·8	+20	N	4	bc	53	75	45	8	7	4	-	4-6	4-6	2500	0	4
	Scilly (St.Mary's)	24·3	+16	N'E	6	bc	52	75	43	8	5	4	-	1	4-6	1800	0	4
6	Pembroke ...	24·6	+10	N	5	bcq	52	75	45	8	1	-	6	2-3	4-6	3000	0	3
7	Holyhead (Valley)	23·1	+4	NW	4	b	52	75	44	8	2	-	8	Tr	1	2000	0	2
	Chester (Sealand)	22·6	+6	NW'W	5	bc	53	73	44	8	2	-	-	4-6	4-6	2000	0	*
8	Manchester ...	21·5	+2	WNW	4	bc	52	75	44	7	2	-	-	4-6	4-6	4000	0	*
10	Spurn Head ...	20·5	+28	NW	5	b	51	75	42	7	-	-	-	0	0	-	0	3
	Catterick ...	19·7	-2	WNW	3	b	53	88	38	9	3	-	-	1	1	2500	0	*
	Tynemouth ...	17·6	-2	W	3	bc	52	65	40	7	2	-	2	2-3	2-3	2500	0	2
11	St. Abbs Head	15·4	0	W	3	b	49	75	40	8	1	-	-	Tr	Tr	3000	0	3
	Leuchars ...	14·8	-12	W	4	b	51	69	41	9	1	-	-	2-3	2-3	3500	0	*
12	Renfrew (Abbots I.)	17·4	-6	W	5	bc	52	65	42	8	7	-	-	4-6	4-6	2500	0	*
	Eskdalemuir ...	18·3	-4	W	4	bc	46	75	38	8	5	3	-	4-6	4-6	2500	0	*
	Point of Ayre...	21·6	0	WNW	5	b	52	75	43	8	4	-	-	Tr	Tr	2000	0	4
13A	Tiree	16·6	-10	WNW	4	bc	50	85	45	8	8	-	-	4-6	4-6	1800	0	5
13B	Stornoway ...	09·2	-22	WSW	6	c/r	48	97	48	7	8	7	2	4-6	7-8	1200	1	3
15	Dalwhinnie ...	14·8	-10	W	4	bc	48	75	36	8	8	-	-	4-6	4-6	1500	1	*
	Aberdeen † ...	12·5	-18	W	3	bc	50	65	39	8	5	-	6	4-6	4-6	3000	1	2
	Wick ...	09·9	-20	SSW	4	bc	51	75	44	9	5	3	-	4-6	4-6	2500	·	*
16	Sumburgh ..	06·2	-18	WSW	6	c/pr	48	92	46	7	5	7	-	7-8	9+	1200	1	4
17	Blacksod Point	26·2	+4	NW	5	bc	52	75	44	8	8	-	-	4-6	4-6	2500	0	4
18	Malin Head ...	20·3	-2	NW'W	6	bc	51	65	40	8	2	-	-	4-6	4-6	2500	0	5
	Aldergrove ...	22·2	-6	WSW	4	c	51	65	41	8	5	-	-	7-8	7-8	2000	0	*
19	Birr Castle ...	26·2	+8	SW	2	bc	50	75	42	7	-	-	8	0	2-3	-	0	*
20	Valentia Obsy.	29·6	+16	N	4	c	53	65	40	8	5	3	-	9	9	2500	0	3
	Roches Point	27·1	+8	N'W	4	bc	51	85	46	8	-	-	8	0	4-6	-	0	3

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 6h Hrs. (38)
1	London (Kew)	86	55	53	-	-	14·0
	Croydon ...	88	56	54	-	-	14·6
	S. Farnborough	88	53	52	-	-	14·0
	Boscombe Down	85	50	48	-	-	13·6
	Thorney Island	81	54	48	-	-	*
	Lympne ..	80	58	56	-	-	14·5
	Manston ...	78	56	52	-	-	14·0
2	Shoeburyness...	71	55	53	-	-	13·7
	Felixstowe ...	67	55	51	-	-	14·0
	Gorleston ...	63	52		-	-	
	Mildenhall ...	85	51	51	-	0·6	13·9
	Cranwell ...	82	48	41	-	-	12·5
3	Birmingham ...	84	46	42	-	0·1	12·1
	Upper Heyford	84	48	45	-	-	*
4	Ross-on-Wye	84	49	43	-	-	13·4
5	Hartland Point	76	51	49	-	-	11·7
	Bristol ...	85	50	44	-	-	13·1
	Portland Bill ...	66	53	*	-	-	*
	Plymouth ...	77	52	51	-	-	11·4
	The Lizard ...	70	49	*	-	-	13·2
	Scilly (St.Mary's)	70	51	*	-	-	13·5
6	Pembroke ...	68	44	*	-	-	11·9
7	Holyhead (Valley)	80	46	43	-	-	*
	Chester (Sealand)	81	50	43	-	-	11·7
8	Manchester ...	84	43	37	-	-	*
10	Spurn Head ...	62	49	48	-	-	13·1
	Catterick ...	83	41	38	-	-	13·1
	Tynemouth ...	86	46	44	-	-	*
11	St. Abbs Head	76	47	*	3	-	
	Leuchars ...	78	44	38	-	-	11·2
12	Renfrew (Abbots I.)	71	46	41	-	Tr	8·1
	Eskdalemuir ...	76	43	39	-	-	11·7
	Point of Ayre...	72	48	*	-	-	10·4
13A	Tiree	56	47	*	Tr	0·4	4·7
13B	Stornoway ...	59	45	*	1	4	5·4
15	Dalwhinnie ...	67	41	37	-	0·5	8·7
	Aberdeen † ...	79	44	36	1	-	13·1
	Wick ...	58	40		-	-	*
16	Sumburgh ..	53	47	42	Tr	Tr	8·0
17	Blacksod Point	58	49	*	0·1	Tr	
18	Malin Head ...	56	47		0·1	0·5	5·7
	Aldergrove ...	63	45	39	Tr	-	6·1
19	Birr Castle ...	64	33	-	-	-	5·2
20	Valentia Obsy.	58	50	45	-	-	5·0
	Roches Point	64	48	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III	$C_L C_M$	wwVhN$_h$	DDFFWN	$C_L C_M$	wwVhN$_h$	DDFFWN
109	57	02755	23527	87	01854	24424
116	--	67109	24249	53	24466	16250
203						
206	57	02865	24326	80	01964	26314
210	53	02763	01227	5-	21865	28198
220				70	01954	22514
230	5-	21748	22358	86	01954	22414
245	28	00863	20404	88	02954	08217
260	13	02763	22404			
278	5-	02727	28517	17	01851	28623
279				52	02845	26427
285	10	00762	22502			
288	20	05622	17302	84	01754	22305
575	57	22856	30367	10	01844	61514
301	00	05790	24300	03	00820	29502
321	00	00790	14400	07	01730	21403
299	00	00790	20300	00	05630	20300
292	08	05690	15304	2-	02765	23315
310						
614	00	00790	16200	50	05666	20216

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

$C_L C_M$	wwVhN$_h$	DDFFWN	$C_L C_M$	wwVhN$_h$	DDFFWN
3-	02844	21514	87	02845	53515
87	10844	55485	52	81735	55588
6-	02848	22588	68	65838	22568
50	00863	28483	86	25864	26584
40	00852	20422	46	02964	53525
86	02846	20484	57	02856	22488
50	00861	24211	84	01963	24404
04	00790	24211	14	01853	23404
44	00861	26301	8-	02846	58516
50	00851	25301	26	10854	55415
04	00890	25411	10	00862	24303
20	01844	63504	40	01844	61524
10	00852	28502	50	01855	28425
57	01751	28584	10	00851	27411
5-	02748	26428			
54	01762	28223	50	00851	28201
57	05665	26487	10	05663	28203

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

III	$C_L C_M$	wwVhN$_h$	DDFFWN	$C_L C_M$	wwVhN$_h$	DDFFWN
333	03	01790	28301	53	02646	65417
334				--	05671	20101
340	00	00890	18303	26	05676	30417
156	10	01761	16201	00	00790	01530
336				10	01762	24412
350	00	00790	14300	07	05690	18101
368	00	05690	08200	8-	05657	24317
379	00	00790	16200	00	00790	16300
390	00	00790	12200	00	05690	12200
882	00	05690	12100	44	00761	20102
438	00	05690	02300	00	05690	00000
430	10	05661	12201	00	05690	14100
409	50	05671	31211	50	05674	27214

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

$C_L C_M$	wwVhN$_h$	DDFFWN	$C_L C_M$	wwVhN$_h$	DDFFWN
50	00861	32111	2-	01844	30414
00	00890	32310	10	01964	28304
5-	02758	32518	50	01862	29522
5-	05667	28417	54	01861	30412
			54	00861	32322
5-	05668	28628	10	01843	30503
00	08490	53400	5-	02765	61525
5-	05667	63417	08	00890	32402
50	01663	24303	5-	03648	02418
00	05690	65400	57	20875	30327
00	00790	32500	53	01844	35514

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.
VV = 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 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	Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. Time	Min. Time
Kew	bzo	bbcy	bcyzcy	0·5	7-8h 6th
Croydon ...	bzoy	by	by bc	<0·1	13-24h 6th
Greenwich ...	bzoy	bzby	bycby		
Camden Square	b	b	*		
Kensington ..	bzbc	bc	*		
Hampstead ...	b	b	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	86	55	55	-	-	14·0	*	*
Croydon ...	88	56	54	-	-	14·6	*	*
Greenwich ...	86	55	49	-	-	14·1	53	47
Westminster ..	86	54	53	-			64	65
Regents Park ...								
Camden Square	90	55	55	-	-	*	*	54
Kensington ...	89	55	54	-	-		42	49
Hampstead ...	86	50	48	-	-		*	58

SECRET

Page 1

BRITISH SECTION

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

Monday 8th June 1942

No. 28418

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)	Cloud. Height of Base (feet) (15)
1	London (Kew)	21·2	+2	NW	2	c	64	45	39	8	1	3	4	Tr	7-8	2500
	Croydon ...	20·7	0	NW'W	3	bc	68	35	38	8	-	3	-	0	4-6	-
	S. Farnborough	21·6	+8	NNW	3	c	65	35	39	9	-	5	9	0	7-8	-
	Boscombe Down	22·6	0	NNW	4	c	63	45	41	8	1	8	3	Tr	7-8	5700
	Thorney Island	21·0	0	N'W	4	bc	67	45	45	9	-	5	-	0	2-3	-
	Lympne ...	20·8	-2	N'W	3	b	63	45	43	8	-	8	5	0	Tr	-
	Manston ...	20·6	+6	N	1	b	60	55	46	8	5	-	5	Tr	Tr	3000
2	Shoeburyness ...	20·3	-2	N	2	bc	68	45	44	8	1	-	6	Tr	4-6	4000
	Felixstowe ...	20·3	+2	E	3	c	68	35	42	8	-	-	9	0	7-8	-
	Gorleston ...	20·6	+6	NNE	4	bc	57	55	52	7	-	7	-	0	4-6	-
	Mildenhall ...	20·4	-2	NW	3	c	65	45	52	8	7	7	9	2-3	7-8	2500
	Cranwell ...	20·3	-2	W'N	5	bc	61	45	37	7	1	-	9	2-3	7-8	3500
3	Birmingham ...	22·4	+2	NW	4	bc	59	45	39	8	7	-	6	2-3	4-6	4000
	Upper Heyford	21·4	-4	NNW	4	c	62	45	41	7	1	5	9	1	9+	2500
4	Ross-on-Wye	22·3	-4	NE'N	4	c	63	45	41	8	1	4	2	2-3	7-8	4000
5	Hartland Point	25·2	+4	N	3	bc	55	75	46	8	1	4	-	2-3	4-6	3000
	Bristol ...	22·9	-6	NW'N	3	c	63	55	51	9	1	9	4	1	7-8	4000
	Portland Bill ...	23·4	+12	N	3	c	63	85	60	8	2	4	-	4-6	9	4000
	Plymouth ...	24·0	+4	N'E	4	bc	61	55	45	9	1	4	-	Tr	2-3	3000
	The Lizard ...	24·3	0	N	5	bc	57	65	45	8	7	6	-	2-3	4-6	3500
	Scilly (St. Mary's)	26·6	+6	N	5	b	56	65	43	8	1	-	4	Tr	1	1800
	Guernsey ...															
6	Pembroke ...	25·7	-2	NW'W	4	bcq	55	75	45	8	2	4	1	2-3	4-6	3000
7	Holyhead (Valley)	23·6	-4	W	4	bc	59	55	44	8	2	6	-	2-3	2-3	2500
	Chester (Sealand)	22·8	-2	WNW	5	bc	58	55	39	8	2	4	1	4-6	4-6	2400
8	Manchester ...	22·1	+2	W'N	4	c	57	65	43	8	2	-	9	7-8	7-8	2500
10	Spurn Head ...	19·5	-14	WNW	6	bc	60	55	41	7	1	4	6	2-3	4-6	4000
	Catterick ...	19·5	0	WNW	4	c	59	45	38	9	5	-	-	9+	9+	2500
	Tynemouth ...	18·3	-2	W	6	cq	59	55	40	7	8	-	-	7-8	7-8	2800
11	St. Abbs Head	13·8	-4	W	6	c	52	85	48	8	1	-	-	7-8	7-8	3000
	Leuchars ...	12·9	-6	WNW	6	bcjp	61	55	44	9	2	-	-	4-6	4-6	3000
12	Renfrew (Abbotsl.)	17·0	-2	WNW	5	c	57	55	42	8	2	-	-	7-8	7-8	2500
	Eskdalemuir ...	16·9	-2	W	5	bc	55	65	43	8	8	-	-	4-6	4-6	2700
	Point of Ayre ...	21·5	0	NW	5	bc	59	55	45	8	1	9	-	Tr	4-6	5000
13A	Tiree ...	18·9	+10	NW'W	4	c/pr	52	85	48	7	8	6	-	4-6	7-8	1800
13B	Stornoway ...	13·3	+22	NW	6	c/pr	49	97	49	7	5	7	-	7-8	9+	2000
15	Dalwhinnie ...	13·6	+8	W'N	3	pr	51	65	38	7	5	-	-	9	9	2500
	Aberdeen ...	10·5	-6	W'N	6	cjp	60	55	41	8	8	-	-	7-8	7-8	2800
	Wick ...	08·1	+2	WNW	6	c	53	75	45	9	8	-	1	4-6	7-8	2000
16	Sumburgh ...	01·8	-24	SW	3	pr	52	85	48	6	5	2	-	7-8	10	700
17	Blacksod Point	27·8	+10	NW	5	c/pr	55	65	44	8	9	-	-	7-8	7-8	1500
18	Malin Head ...	24·5	+8	W'N	6	pr	54	85	50	8	8	-	-	9	9	1500
	Aldergrove ...	22·1	+2	WNW	5	pr	56	55	39	8	8	-	-	4-6	4-6	2500
19	Birr Castle ...	25·9	-2	WNW	4	c	59	55	44	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	30·0	+2	NW'N	5	c/pr	55	75	48	8	8	-	-	7-8	7-8	4000
	Roches Point	27·6	0	N	5	bc	60	75	53	8	2	-	-	4-6	4-6	2500

OBSERVATIONS at 18h. 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)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	20·8	+4	NW	3	bc	64	35	37	8	5	3	-	1	2-3	4000	0	*
	Croydon ...	20·7	+2	WNW	4	b	63	45	42	8	-	-	-	0	0	-	0	*
	S. Farnborough	21·0	0	NNW	3	bc	64	45	39	9	-	4	9	0	2-3	-	0	*
	Boscombe Down	21·6	-2	N'W	3	bc	63	45	40	8	1	-	-	2-3	2-3	4000	0	*
	Thorney Island	20·7	-2	NW'N	4	bc	66	45	43	8	1	4	9	Tr	2-3	4000	0	*
	Lympne ...	21·2	+6	SE	2	bc	55	75	48	8	1	8	9	1	2-3	5700	0	§2
	Manston ...	20·4	+2	SE'S	1	b	56	75	46	8	-	3	-	0	Tr	-	0	*
2	Shoeburyness ...	20·2	0	SE	2	bc	58	75	51	8	1	3	-	1	4-6	3500	0	*
	Felixstowe ...	20·3	0	S'E	2	bc	57	65	47	8	1	3	9	1	7-8	4000	0	1
	Gorleston ...	20·0	0	S	2	c	55	65	45	7	5	3	-	4-6	7-8	2500	0	3
	Mildenhall ...	20·4	+6	NW'W	4	bc	62	35	39	8	7	-	1	4-6	4-6	2500	0	*
	Cranwell ...	20·1	-2	WNW	5	bc	58	45	38	7	1	-	-	2-3	2-3	4000	0	*
3	Birmingham ...	21·8	0	NNW	4	bc	56	45	36	8	7	-	-	4-6	4-6	4000	0	*
	Upper Heyford	21·0	-6	NW	4	bc	60	45	38	9	4	-	-	4-6	4-6	2800	0	*
4	Ross-on-Wye	22·5	0	NW	4	bc	59	45	40	9	1	-	-	2-3	2-3	4000	0	*
5	Hartland Point	24·6	-6	NW	3	b	54	65	43	8	1	-	-	Tr	Tr	3000	0	4
	Bristol ...	22·8	+2	NNW	4	b	60	55	44	9	1	-	-	Tr	Tr	4000	0	*
	Portland Bill ...	21·3	-6	NNW	3	bc	60	85	46	8	2	-	-	4-6	4-6	4000	1	2
	Plymouth ...	24·2	0	NW	4	b	59	55	42	9	1	-	-	Tr	Tr	3000	0	3
	The Lizard ...	24·8	0	NNW	4	b	58	65	46	8	-	-	-	0	0	-	0	4
	Scilly (St. Mary's)	20·5	0	N'W	4	b	54	65	47	8	-	-	-	0	0	-	0	3
	Guernsey ...																	
6	Pembroke ...	24·9	-2	WNW	3	bc	55	75	47	8	8	-	-	4-6	4-6	3000	0	3
7	Holyhead (Valley)	22·8	-2	WNW	4	bc	57	65	47	9	2	6	-	2-3	4-6	3000	0	3
	Chester (Sealand)	22·0	-2	NW'W	5	bc	57	55	42	8	7	-	-	4-6	4-6	3500	0	*
8	Manchester ...	21·0	-4	WNW	5	bc	56	55	38	8	2	6		4-6	4-6	3500	0	*
10	Spurn Head ...	18·6	-14	W'N	6	bcq	59	55	42	7	1	-	-	4-6	4-6	4000	0	4
	Catterick ...	18·8	+2	WNW	5	bc	58	55	39	9	5	-	-	4-6	4-6	3500	0	*
	Tynemouth ...	17·3	0	W	6	bcq	60	45	40	7	2	-	-	7-8	7-8	3000	0	4
11	St. Abbs Head	13·1	0	W	6	bc	56	55	41	8	1	-	-	4-6	4-6	4000	0	5
	Leuchars ...	13·8	+10	WNW	5	c	57	65	44	9	2	6	3	7-8	9	3600	0	*
12	Renfrew (Abbotsl.)	17·1	-2	WNW	6	c	53	65	43	8	8	-	-	7-8	7-8	2500	1	*
	Eskdalemuir ...	17·6	+6	WNW	4	c	53	65	41	8	8	3	2	4-6	9	3000	0	*
	Point of Ayre ...	21·3	-2	NNW	5	bc	55	75	46	8	1	4	-	1	2-3	2500		4
13A	Tiree ...	20·2	+2	NW'N	4	pr	51	85	46	7	8	-	-	7-8	7-8	1500	1	5
13B	Stornoway ...	16·7	+10	WNW	6	c/pr	48	85	44	8	5	7	-	7-8	9+	2500	1	5
15	Dalwhinnie ...	16·2	+4	WNW	4	c	47	75	38		8	-	-	7-8	7-8	2500	1	*
	Aberdeen ...	12·6	+16	NW	5	c	53	65	41	8	8	-	6	9	9	2600	1	4
	Wick ...	11·0	+14	NW	5	pr	46	85	41	8	5	-	-	9	9	800	1	*
16	Sumburgh ...	04·3	+10	NW	6	pr	45	85	40	7	8	-	-	9	9	1500	1	4
17	Blacksod Point	27·6	-2	NW	5	c	52	65		8	8	3	-	4-6	7-8	1500	1	4
18	Malin Head ...	22·0	+2	NW	6	pr	52	75		8	8	2	-	7-8	10	1500	0	5
	Aldergrove ...	22·4	+6	NW	5	c	54	65	41	8	8	-	-	9+	9+	2500	0	*
19	Birr Castle ...	25·8	0	WNW	3	c	55	65		8	8	7	-	7-8	9	1500	0	*
20	Valentia Obsy.	29·8	-2	N'W	5	bc	54	65	43	8	8	-	-	4-6	4-6	2500	0	5
	Roches Point	26·7	-2	N	5	c	57	75		8	5	3	-	4-6	7-8	2500	0	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 7th (39)	Weather. 13h.—18h. 7th (40)	Weather. 18h. 7th to 1h. 8th (41)	Weather. 1h.—7h. 8th (42)
1	London (Kew)	b, cy	cbcy	bcy	bbcw
	Croydon ...	bcyb	bcycy	bbcyv	b
	S. Farnborough	bcy	bcy	bcyb	bwv
	Boscombe Down	bbcy	cybcy	b	bbmob
	Thorney Island	cbbcy	bcy	bmob	b
	Lympne ...	cprcby	byb	bw	bwb
	Manston ...	c, by	bybbcb	b	b
2	Shoeburyness ...	cbcyv	bcyvbc	bcb	bbcw
	Felixstowe ...	cbc	bcbc	bcb	bbc
	Gorleston ...	cbc	bcc	bcmo	bcbzo
	Mildenhall ...	bybcycy	cybcy	bcyb	bwbcb
	Cranwell ...	bcbcy	bcy	bcybbmo	bmobbmo
3	Birmingham ...	bbc	bc		cbc
	Upper Heyford	bbcy	bc	bcvyb	bbcb
4	Ross-on-Wye	bbcc	bcvy	bcvb	bbc
5	Hartland Point	bccbc	bcb	bbc	bc
	Bristol ...	bcyv	by	bybvb	bbcbw
	Portland Bill ...	bc	cbc	bc	bc
	Plymouth ...	bbcyr	bcby	byb	bw
	The Lizard ...	bc	bcb	bbcbw	bc
	Scilly (St. Mary's)	bc	b	b	bbcc
	Guernsey ...				
6	Pembroke ...	cbcq	bc	bc	bc
7	Holyhead (Valley)	bccbc	byb	cpr.	bbccprc
	Chester (Sealand)	bcy	bc, by	bcprc	cpr.
8	Manchester ...	bcyc	cbcy	cpr.	cpr.
10	Spurn Head ...	bcq	bcq	bq	bbcq
	Catterick ...	cy	cprcbc	bccbcb	bbcc
	Tynemouth ...	bccq	bccq	cq, bc	bc
11	St. Abbs Head	bbcc	bc	bc	bcc
	Leuchars ...	bcvyjp	bcybc	cbcb	cprc
12	Renfrew (Abbotsl.)	cprcy	cbcyc	prcbcb	bcprc
	Eskdalemuir ...	bcprcbc	cPKprc	bbc	cbcrr.
	Point of Ayre ...	bbccy	bcbbc	bccpr	cprcbc
13A	Tiree ...	bccpr	cpr	cpr	cprbc
13B	Stornoway ...	cirpr	cpr	cpr	cpr
15	Dalwhinnie ...	bcprc	cpr.	*	cir
	Aberdeen ...	cpr	bccpr.	cpr.	c
	Wick ...	bcc	cpr	cprprc	bccpr.
16	Sumburgh ...	crr.	cpr	cprirmcir	crrprc
17	Blacksod Point	pr	pr	pr	pr
18	Malin Head ...	pr	pr	pr	pr
	Aldergrove ...	cbcypr.	cprc	cpr.	cpr.
19	Birr Castle ...	pr	c		c
20	Valentia Obsy.	pr	bc	bc	c
	Roches Point	bc	c	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 8th June 1942.

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Moderate Northwest wind; bright periods, occasional showers; cool.
5 S.W. England 6 South Wales	Moderate Northwest wind; fair, bright periods; cool.
7 North Wales	As 1-4
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland ♠ 12 S.W. Scotland & Isle of Man	Fresh squally Northwest wind, moderating; frequent showers, local thunderstorms; cool.
13A W. Scotland ... ♠ 13B N.W. Scotland ♠ 14 Mid Scotland 15 N.E. Scotland ♠	Fresh or strong squally Northwest wind moderating; frequent showers, local thunderstorms; cold.
16 Orkneys and Shetlands	Fresh or strong North to Northwest wind; cloudy, rain at times; cold.
17 N.W. Ireland ♠ 18 N.E. Ireland ♠	Fresh squally Northwest wind; occasional showers; local thunder; cool.
19 S.E. Ireland 20 S.W. Ireland	As 5-6

GENERAL INFERENCE

A depression centred east of Shetland is moving slowly East. Weather will be cool generally. There will be frequent showers and local thunder in the North. Local showers are probable also in the Midlands and East of England today, but in the Southwest it will be fair.

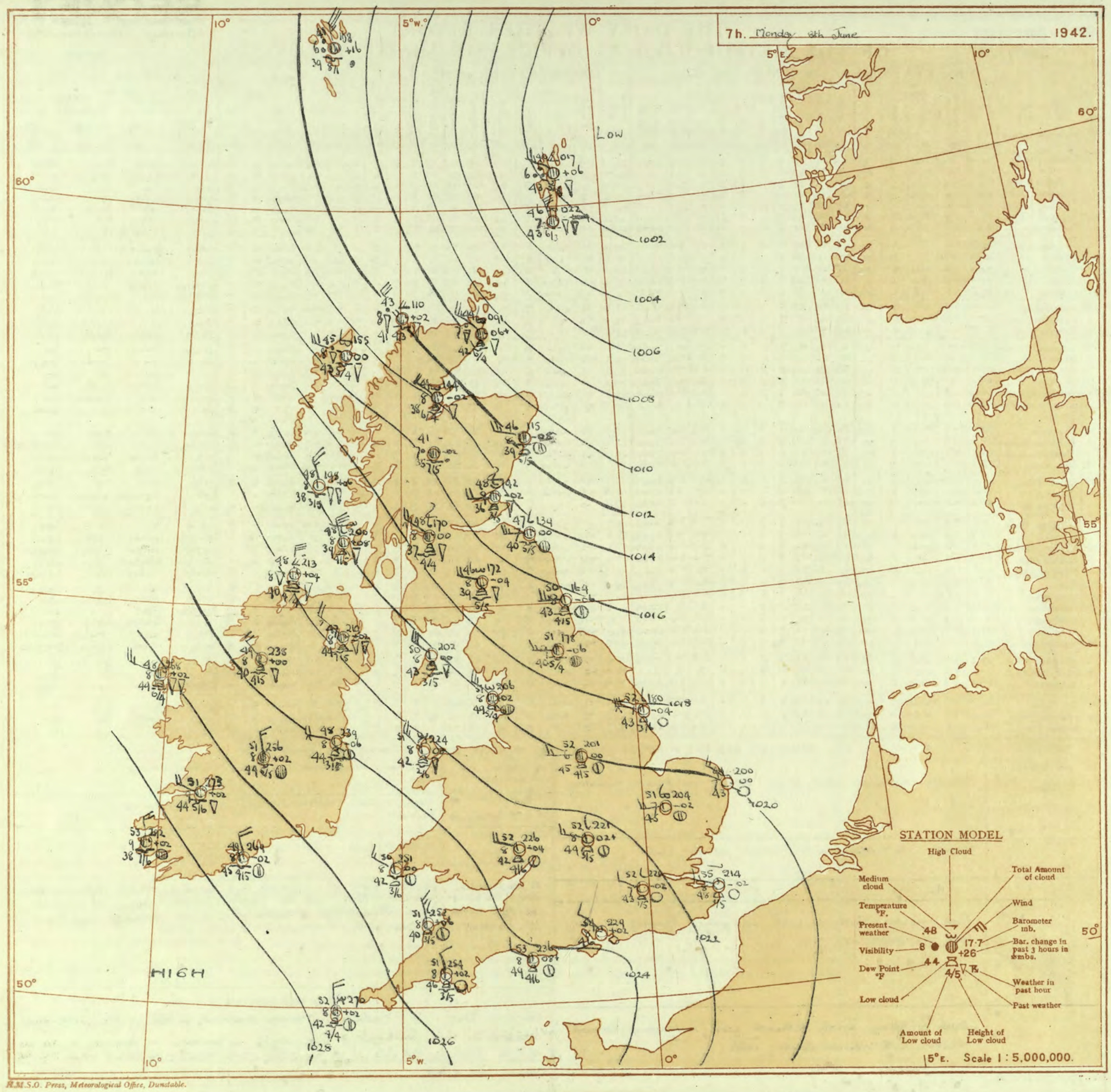
FURTHER OUTLOOK

Fair or fine in Southwest, Showery and cool in the North, occasional showers in the Southeast. ♠ Gale warning in operation in districts 11, 13A, 13b 15, 17, 18. Districts 13A 13B, 17, 18 issued 0715 7-6-42. Districts 11, 15 issued 09·30 7-6-42.

Forecasts issued at 1030

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

7h. Monday 8th June 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

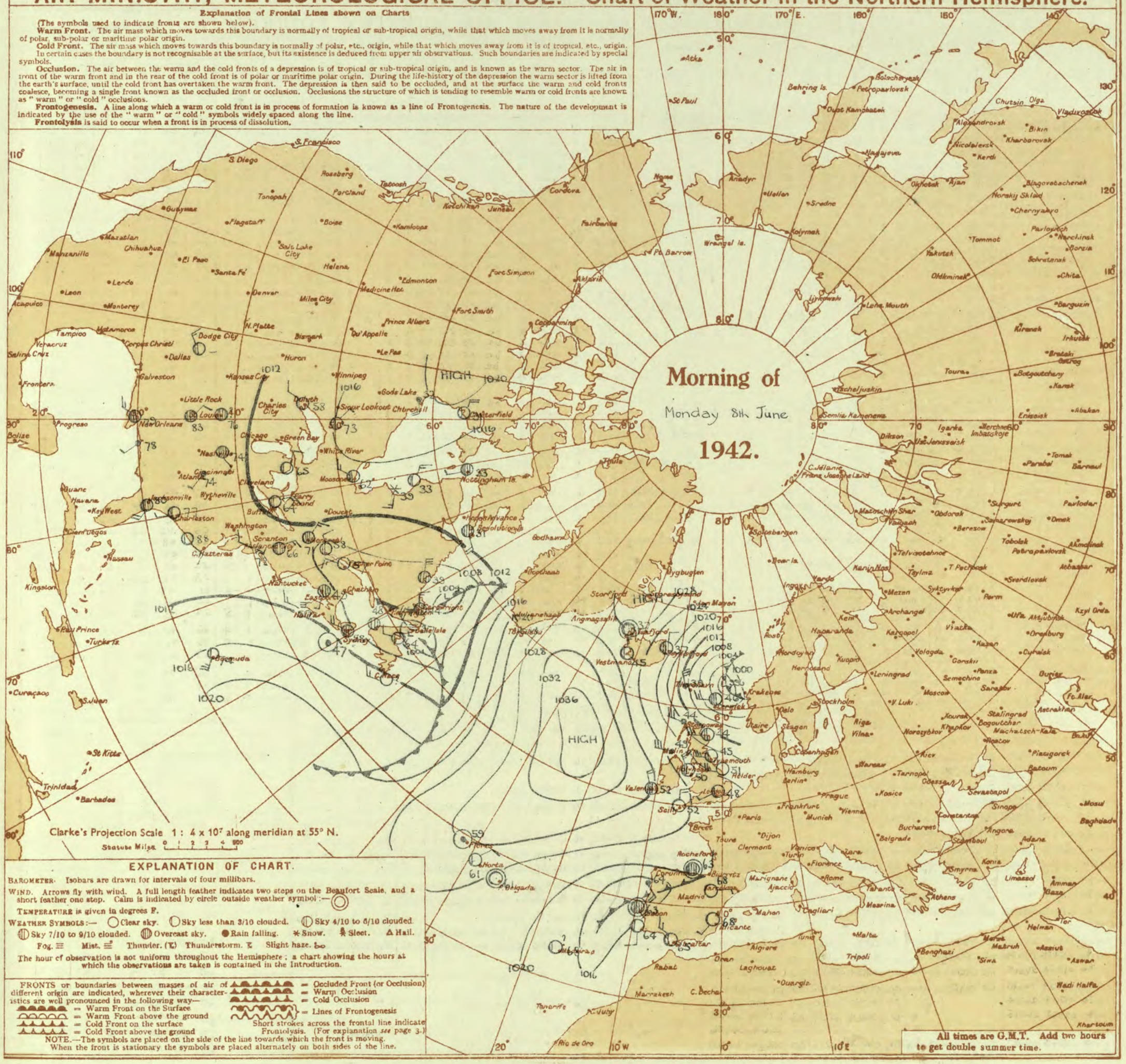
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Monday 8th June 1942

No. 29418

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)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon ...	290	22·0	+10	WSW	1	b	48	75	41	8	-	4	-	0	Tr	-
	S. Farnborough	226	22·8	+2	W'N	2	b	47	75	40	9	-	-	-	0	0	-
	Boscombe Down	417	23·4	+2	NW'N	2	b	46	85	39	8	-	-	-	*	0	-
	Thorney Island	10	22·3	+2	NW	2	b	48	85	43	7	-	-	-	0	0	-
	Lympne ..	283	22·2	0	WNW	1	b	42	92	40	8	-	-	-	0	0	-
	Manston ...	154	21·3	-6	NW'N	2	b	52	65	41	8	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	20·7	0	WNW	3	b	51	75	42	7	-	-	-	0	0	-
	Gorleston ...	5	20·6	0	W'N	2	Zo	48	75	41	6	-	4	-	0	2-3	-
	Mildenhall ...	15	21·0	-2	W'S	3	b	44	85	39	8	-	-	-	0	0	-
	Cranwell ...	203	20·7	+2	W	4	Zo	46	85	42	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22·1	0	W	2	b	47	85	42	8	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	24·9	0	NNW	3	bc	52	75	43	8	4	-	-	2-3	2-3	2500
	Bristol ...	209	24·0	+2	NW	1	b	45	85	41	7	-	4	-	0	Tr	-
	Portland Bill ...	32	23·0	0	N	1	bc	54	85	50	7	5	-	-	4-6	4-6	4000
	Plymouth ...	82	25·3	+2	-	0	b	47	92	45	8	-	-	-	0	0	-
	The Lizard ...	240	25·8	0	N'W	3	b	48	92	46	8	*	-	-	0	0	-
	Scilly (St. Mary's)	163	26·7	+2	NNW	4	b	52	85	48	8	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	25·2	-4	NW	4	b	51	75	43	8	4	-	*	1	1	4000
7	Holyhead (Valley)	32	22·7	-6	NW	5	bc	50	85	44	8	-	4	1	0	4-6	*
	Chester (Sealand)	16	21·8	-4	WNW	3	c	52	75	44	8	8	-	-	2-3	9	2500
8	Manchester ...	235	21·4	-6	WNW	3	bc/pr	49	92	46	7	5	-	-	2-3	2-3	4000
10	Spurn Head ...	29	18·8	-10	W'N	5	bq	51	75	43	7	-	-	-	0	0	-
	Catterick ...	175	19·0	0	WSW	2	b	48	75	40	8	5	4	-	Tr	Tr	1500
	Tynemouth ...	108	17·4	-4	W	5	bc	45	75	37	7	-	4	-	0	2-3	-
11	St. Abbs Head	280	14·8	0	W	5	bc	47	65	40	8	5	4	-	4-6	4-6	2500
	Leuchars ...	36	15·1	-4	WSW	1	b	45	85	39	9	4	3	-	1	1	4000
12	Renfrew (Abbots I.)	19	17·9	-6	W'S	3	b	45	85	40	8	4	4	-	1	1	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	20·7	+6	NW	5	bc	49	92	47	8	8	-	-	2-3	2-3	2000
13A	Tiree	22															
13B	Stornoway ...	80	16·1	-4	WNW	7	pr	44	97	44	7	5	7	-	7-8	9+	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	14·0	-4	W'N	5	bc	44	85	39	9	4	3	-	2-3	4-6	3000
	Wick ...	114	09·6	-14	WNW	6	c/pr	43	85	38	7	8	-	-	7-8	7-8	1000
16	Sumburgh ..	19	99·9	-30	WNW	7	r	46	92	44	7	5	2	-	9	10	2000
17	Blacksod Point	18	27·2	-4	NW	5	c/pr	48	85	44	8	9	-	-	7-8	7-8	1500
18	Malin Head ...	84	21·3	-8	WNW	6	bc/pr	49	75	42	8	9	-	-	4-6	4-6	1500
	Aldergrove ...	268	22·4	-4	W'N	4	pr	48	85	43	8	8	-	-	10	10	1900
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	29·6	-6	NNW	4	c	52	65	41	8	5	-	-	9	9	4000
	Roches Point	22	27·7	-4	N'W	4	bc	50	85	46	8	5	-	-	2-3	2-3	2500

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)	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)	22·3	0	WNW	2	bc	53	65	42	8	1	4	-	Tr	2-3	2500	0	*
Croydon ...	22·1	-2	WNW	2	bc	52	75	43	7	1	4	-	Tr	2-3	2500	0	*
S. Farnborough	22·7	-2	WNW	3	b	52	75	44	9	-	3	1	0	1	-	1	*
Boscombe Down	22·6	-6	NW'W	3	b	52	75	44	8	7	-	-	Tr	Tr	4000	0	*
Thorney Island	22·9	+2	NW	2	b	54	75	46	8	-	3	-	0	Tr	-	0	*
Lympne ..	22·5	+2	NNW	2	b	53	75	44	7	1	-	-	Tr	Tr	2500	0	§ 2
Manston ...	21·4	-2	WNW	3	b	55	75	48	8	1	-	1	Tr	1	2800	0	*
Shoeburyness ...	21·4	0	NW'W	3	bc	56	65	44	8	-	3	-	0	2-3	-	0	*
Felixstowe ...	21·1	+6	W	3	bc	53	75	45	8	5	-	-	4-6	4-6	5000	0	3
Gorleston ...	20·0	0	NW	3	b	49	75	43	7	-	-	-	0	0	*	0	2
Mildenhall ...	20·4	-2	W'S	3	bc	51	85	45	7	-	7	-	0	2-3	-	0	*
Cranwell ...	19·4	-2	W	5	bc	52	75	45	7	5	4	-	4-6	4-6	2500	0	*
Birmingham ...	21·9	-2	WNW	4	bc	49	75	42	8	8	-	9	4-6	4-6	2500	0	*
Upper Heyford	22·1	+2	W'N	3	bc	52	75	44	8	1	4	-	2-3	2-3	2000	0	*
Ross-on-Wye	22·6	-4	WNW	4	bc	52	65	42	8	2	-	-	4-6	4-6	3500	0	*
Hartland Point	25·2	+6	NNW	3	bc	51	65	40	8	1	4	-	2-3	4-6	2500	0	4
Bristol ...	24·1	+2	W'N	4	bc	53	75	44	8	1	3	-	1	2-3	4000	0	*
Portland Bill ...	23·6	+8	NW	2	bc	53	92	49	8	2	-	-	4-6	4-6	4000	1	2
Plymouth ...	25·4	+2	N'W	2	bc	51	85	46	8	8	-	-	2-3	2-3	2500	0	2
The Lizard ...	26·0	+2	N'W	3	bc	51	75	45	8	8	6	-	4-6	4-6	2500	0	3
Scilly (St. Mary's)	27·0	+2	N'W	4	c	52	75	42	8	8	6	-	4-6	7-8	1200	0	3
Guernsey ...																	
Pembroke ...	25·1	0	NW	3	bc	50	75	42	8	7	-	-	2-3	2-3	3000	0	3
Holyhead (Valley)	22·4	0	NW'W	5	bc	51	75	42	8	8	6	-	1	2-3	3000	0	3
Chester (Sealand)	21·4	+2	NW'W	5	pr	50	75	44	7	8	-	-	9+	9+	2500	1	*
Manchester ...	20·7	0	W'N	4	c/pr	50	85	46	7	2	-	-	4-6	7-8	1500	1	*
Spurn Head ...	18·0	-4	W'N	6	bcq	52	75	43	7	1	4	-	2-3	4-6	4000	0	4
Catterick ...	17·8	-6	W	3	c	51	65	40	9	5	-	-	7-8	7-8	1800	0	*
Tynemouth ...	16·4	-6	W	5	bc	50	75	41	8	8	-	-	4-6	4-6	2500	0	3
St. Abbs Head	13·9	0	W	5	c	47	75	40	7	5	4	-	7-8	9+	3000	0	4
Leuchars ...	14·2	-2	W	4	c	48	65	36	9	2	9	6	2-3	9	2000	0	*
Renfrew (Abbots I.)	17·0	0	NW	5	c	48	65	37	8	8	4	6	4-6	9	1800	1	*
Eskdalemuir ...	17·2	-4	WNW	4	c	46	75	39	8	8	3	-	7-8	7-8	2500	1	*
Point of Ayre...	20·2	0	NW'W	6	bc	50	85	43	8	8	-	-	2-3	2-3	2000	0	5
Tiree	19·8	+6	NNW	5	bc/pr	48	75	38	8	5	-	-	2-3	2-3	2500	0	5
Stornoway ...	15·5	0	WNW	6	pr	45	92	43	8	5	7	-	7-8	9+	2000	1	3
Dalwhinnie ...	15·8	-2	NW	3	r	41	75	35	7	5	-	-	9+	9+	2800	1	*
Aberdeen † ...	11·5	-8	WNW	5	c	46	75	39	8	7	-	-	7-8	9	2500	1	3
Wick ...	09·1	+6	NW	5	PR	44	92	41	7	8	7	-	9	9+	1000	1	*
Sumburgh ..	02·2	+18	NNW	6	c/pr	46	92	43	7	6	7	*	9	9+	1000	1	5
Blacksod Point	26·8	+2	NW'W	5	c/pr	48	85	44	8	9	-	-	9	9	1500	1	4
Malin Head ...	21·3	+4	N	6	pr	48	75	41	8	9	2	-	4-6	9+	1500	1	5
Aldergrove ...	21·9	+2	WNW	4	c/pr	47	85	44	8	8	-	-	9+	9+	2500	0	*
Birr Castle ...	25·6	0	NNW	3	c	51	75	44	8	5	-	-	7-8	7-8	2500	0	*
Valentia Obsy.	19·2	+2	N'W	4	c	53	55	38	9	5	-	-	9+	9+	4000	0	4
Roches Point	26·9	-2	NNW	4	bc	49	85	45	8	5	-	*	4-6	4-6	2500	0	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 7th hrs. (38)
London (Kew)	65	49	31	-	-	11·2
Croydon ...	69	44	43	-	-	10·6
S. Farnborough	67	43	31	-	-	11·7
Boscombe Down	65	42	33	-	-	13·0
Thorney Island	68	44		-	-	*
Lympne ..	65	39	33	Tr	-	7·3
Manston ...	63	48	36	-	-	7·4
Shoeburyness ...	69	45	37	-	-	10·0
Felixstowe ...	68	48	43	-	-	8·6
Gorleston ...	60	44	39	-	-	9·5
Mildenhall ...	68	43		Tr	Tr	13·1
Cranwell ...	62	45	39	-	-	14·2
Birmingham ...	60	46	42	-	-	13·2
Upper Heyford	63	43	38	-	-	*
Ross-on-Wye	64	47	41	-	-	15·0
Hartland Point	55	49	47	-	-	14·2
Bristol ...	67	44	33	-	-	14·4
Portland Bill ...	63	49	*	-	-	*
Plymouth ...	62	43	35	-	-	13·9
The Lizard ...	59	46	*	-	-	15·1
Scilly (St. Mary's)	57	*	*	-	-	15·5
Guernsey ...						
Pembroke ...	57	44	*	-	-	13·7
Holyhead (Valley)	61	48		-	Tr	*
Chester (Sealand)	60	50	47	-	Tr	12·7
Manchester ...	58	47	45	-	1	*
Spurn Head ...	60	48	*	-	-	13·7
Catterick ...	61	47	41	Tr	-	13·4
Tynemouth ...	62	46	43	-	-	*
St. Abbs Head	57	44	*	-	-	*
Leuchars ...	62	43	39	-	Tr	13·2
Renfrew (Abbots I.)	59	43	38	0·3	1	9·9
Eskdalemuir ...	56	42	38	0·4	0·3	9·1
Point of Ayre...	61	48	*	-	0·2	12·0
Tiree	56	45	*	1	1	6·2
Stornoway ...	52	41	*	3	3	5·7
Dalwhinnie ...	53	38	34	3	4	7·5
Aberdeen † ...	61	44	39	0·1	0·3	10·2
Wick ...	55	41	39	1	3	*
Sumburgh ..	52	43	42	1	7	3·8
Blacksod Point	56	47	*	0·5	1	*
Malin Head ...	56	46		0·4	2	8·9
Aldergrove ...	58	46	41	-	0·1	11·1
Birr Castle ...	60	44	40	0·1	-	7·3
Valentia Obsy.	57	51	47	Tr	-	9·1
Roches Point	61	49	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 7th June 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	8-	25846	59686	87	25845	59876
115	52	88834	57587	52	81834	57687
203	52	81837	22488	5-	02846	26486
206	9-	25354	26534	94	81855	61585
210	33	01944	58524	86	01854	57585
220	80	01855	27585	80	25845	18585
230	83	10854	24586	83	05654	24584
245	1-	02965	56415	2-	81967	28587
260	2-	81855	22685	87	81865	24615
278	8-	81856	59584	26	00843	59683
279	2-	02956	57526	80	10865	58425
285						
288	5-	01854	56515	70	00853	55483
575	80	25854	59584	84	02846	61487
301	26	01854	57615	80	00853	26513
321	10	02854	60615	40	01854	27414
299	10	01764	26314			
292	4-	02965	56515			
310						
614	12	02763	26425	26	01764	28324

01h. G.M.T. 8th June 07h. G.M.T.

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
53	25644	59685	89	25845	60685
52	81834	57687	52	81834	61687
8-	25845	26485			
8-	81846	57586	83	02846	28487
8-	81747	57587	87	81846	55588
8-	01855	22515	8-	81846	24487
43	01963	24213	29	02954	24416
50	01853	24413	07	02790	24427
8-	02845	26485	86	81846	59587
53	01854	24414	8-	02856	22416
			2-	02746	26526
53	00761	19301	14	00763	16413
8-	81746	61486	80	01854	61484
5-	02854	28527	25	02845	27526
00	00790	26210	83	01754	58415
00	00790	20200	07	01790	23202
50	00862	23212	83	02854	24415
			--	25626	24486
84	05615	23212	30	05654	24315

13h. G.M.T. 7th June 18h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	14	01952	28313	86	01962	26413
334						
340	20	01963	30414	10	00963	30313
136	10	01852	25415	40	01764	27514
336						
350	17	02863	27426	46	01864	26325
368	13	02955	31315	10	01964	30314
379	27	02953	30425	20	01953	28413
390	03		30215	14	00861	27414
882	15	02863	30414	20	02964	30314
438	40	01742	02212	00	00790	20210
430	00	00890	30313	08	00990	34420
409	53	01843	35514	00	00990	30500

01h. G.M.T. 8th June 07h. G.M.T.

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
5-	02955	28385	8-	02845	26415
			--	61646	24287
			84	25945	26385
00	01790	22301	7-	01743	23415
			5/	21785	28357
00	00790	20210	24	00852	26303
50	00861	30101	26	02762	26305
04	00890	28301	20	01943	26403
00	00890	28200	50	00862	24202
00	00890	00000	13	00851	28303
			00	00790	26200
00	00690	28200	00	00990	22100
04	00890	30301	80	01845	30405

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 262.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 8th 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	b,cy	cbcy	bbcw	Kew 24 hours ended 7h. Max. Time 0·1 0-7h 8th; Min. Time <0·1 7-32h 7th
Croydon ...	bcyb	bcycy	b	
Greenwich ...	by	by	bycbcy	
Camden Square	b	bc	*	
Kensington ..	bc	bc	*	
Hampstead ...	b	bc	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	65	49	31	-	-	11·2	*	*
Croydon ...	69	44	43	-	-	10·6	*	*
Greenwich ...	69	48	33	-	-	11·5	37	52
Westminster ...	69	49	46	-	-		60	71
Regents Park ...	69	49	39	-	-		39	52
Camden Square	69	50	43	-	-	*	*	55
Kensington ...	69	48	38	-	-		37	52
Hampstead ...	67	45	44	-	-		*	63

SECRET

Page 1 BRITISH SECTION

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

Tuesday 9th June 1942

No. 29419

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)	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)	20.9	-6	NW'W	3	c	61	45	47	8	8	-	-	9	9	2500
	Croydon	21.3	-6	WNW	3	c	60	45	41	8	8	-	-	4-6	9	2500
	S. Farnborough	21.2	-6	NW'W	4	c	62	45	49	9	7	-	-	7-8	7-8	3000
	Boscombe Down	22.1	-6	NW'W	4	c	59	45	40	8	8	-	-	7-8	7-8	3000
	Thorney Island	21.6	-10	NW	4	c	61	75	52	9	4	-	-	9	9	4000
	Lympne	21.4	-2	W	2	c	62	55	44	8	8	6	-	7-8	7-8	3500
	Manston	20.7	-2	WNW	3	c	59	55	44	8	8	6	-	4-6	7-8	3000
2	Shoeburyness	20.6	-4	W'S	3	c	65	45	43	8	8	3	-	7-8	9	2500
	Felixstowe	20.0	-2	W'N	4	c	62	45	42	8	8	-	-	7-8	7-8	2500
	Gorleston	19.1	-6	NW'W	4	c	60	55	41	7	8	-	-	7-8	7-8	1600
	Mildenhall	19.2	-6	W'N	5	c	61	45	47	8	8	-	-	7-8	7-8	3000
	Cranwell	18.9	0	WNW	5	bc	59	43	39	7	2	4	-	4-6	7-8	3500
3	Birmingham	20.8	-2	NW	4	c	56	45	40	8	8	7	-	7-8	7-8	2500
	Upper Heyford	20.7	-6	NW'W	4	bc	60	45	33	9	7	-	-	4-6	7-8	2500
4	Ross-on-Wye	22.1	0	W	4	c	58	45	38	8	7	-	-	7-8	7-8	4000
5	Hartland Point	25.0	0	W'NW	4	bc	52	65	40	8	1	4	-	2-3	2-3	3000
	Bristol	23.2	-2	W'N	4	bc	58	55	42	8	7	3	-	4-6	7-8	2500
	Portland Bill	23.0	-2	W	3	c	58	85	54	8	2	-	-	7-8	7-8	4000
	Plymouth	23.2	-2	NNW	4	bc	57	55	42	8	1	-	-	4-6	4-6	4000
	The Lizard	25.7	-4	N	4	c	56	65	43	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	26.8	-8	NNW	4	bc	58	65	46	8	8	4	-	4-6	4-6	1800
	Guernsey															
6	Pembroke	25.3	0	W	4	bc	53	65	45	8	8	6	-	4-6	4-6	3000
7	Holyhead (Valley)	22.5	+2	WNW	5	c	53	65	42	8	8	6	-	7-8	9	3000
	Chester (Sealand)	21.9	+6	NW	5	c/pr	58	55	49	7	8	-	-	9+	9+	2000
8	Manchester	20.4	-2	WNW	4	c/pr	52	75	44	8	2	6	-	7-8	7-8	2500
10	Spurn Head	17.3	-6	W	6	c	57	55	42	7	1	6	1	4-6	7-8	2500
	Catterick	17.3	+2	WNW	8	c	57	45	36	9	8	-	-	7-8	7-8	2500
	Tynemouth	16.4	0	W	5	bc	57	35	32	8	2	-	-	4-6	4-6	3200
11	St. Abbs Head	14.1	+8	WNW	6	c	52	65	38	8	2	4	-	4-6	7-8	3200
	Leuchars	14.1	+2	W	5	c/pr	53	55	38	9	2	4	2	4-6	7-8	2000
12	Renfrew (Abbots I.)	17.7	0	NW'N	6	bc	53	65	40	8	2	6	2	4-6	4-6	3000
	Eskdalemuir	16.8	+4	WNW	4	bc	51	65	38	8	8	7	7	4-6	7-8	2200
	Point of Ayre	20.6	0	NW'N	6	b	55	65	43	8	1	4	5	Tr	1	3000
13A	Tiree	20.4	+2	NNW	4	c/pr	52	65	42	8	8	3	-	4-6	7-8	2500
13B	Stornoway	16.8	+6	NW	6	c/pr	46	87	45	7	8	7	-	7-8	10	1500
15	Dalwhinnie	15.8	+4	NW	3	c	45	65	34	7	5	2	-	7-8	10	2500
	Aberdeen	11.8	+6	NW'N	5	c	49	75	42	8	8	-		9+	9+	2500
	Wick	10.3	+8	NW	6	c/r	47	92	44	8	8	-	-	9+	9	1400
16	Sumburgh	06.2	+20	NNW	5	c	50	75	44	8	9	3	-	7-8	9	2000
17	Blacksod Point	26.5	-2	NW	5	bc	55	65	45	8	8	-	-	2-3	2-3	2500
18	Malin Head	22.5	+6	NNW	5	bc	51	65	39	8	9	3	-	4-6	7-8	1500
	Aldergrove	22.4	+2	NW	4	pr0	51	85	42	8	8	-	-	9+	9+	2500
19	Birr Castle	25.1	-2	NW	4	c	58	45	38	8	5	-	-	7-8	7-8	2500
20	Valentia Obsy.	28.6	0	NNW	4	c/pr	55	65	43	9	8	1	-	9	9	4000
	Roches Point	26.0	-6	NNW	4	c	57	75	49	9	8	-	-	7-8	7-8	2500

OBSERVATIONS at 18h. 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)	°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)	20.1	-2	NWN	3	bc	60	45	35	8	8	-	-	7-8	7-8	2500	0	*
Croydon	20.4	-4	NW	3	c	62	45	39	8	5	-	-	7-8	7-8	2800	0	*
S. Farnborough	20.4	-4	WNW	3	bc	62	35	35	9	4	3	-	4-6	4-6	4000	0	*
Boscombe Down	21.3	-6	NW	3	bc	58	45	37	8	5	-	-	4-6	4-6	4500	0	*
Thorney Island	20.6	-6	WNW	3	bc	60	55	41	9	4	-	-	4-6	4-6	5700	0	*
Lympne	20.3	-8	WNW	2	bc	61	45	42	8	7	-	-	7-8	7-8	4500	0	§4
Manston	19.6	-6	NW'W	2	c	60	65	46	9	1	3	-	Tr	9	4000	0	*
Shoeburyness	19.7	-4	NW'W	3	c	60	55	41	8	1	8	-	4-6	9	3000	0	*
Felixstowe	19.4	-2	WNW	4	bc	61	45	37	6	8	-	-	4-6	4-6	4000	0	3
Gorleston	18.5	-2	NNW	4	bc	60	45	40	7	8	-	-	4-6	4-6	1800	0	3
Mildenhall	19.3	-4	WNW	4	bc	60	35	35	8	7	6	-	2-3	4-6	4000	0	*
Cranwell	18.6	-6	WNW	5	b	56	45	35	7	4	-	-	1	1	3300	0	*
Birmingham	20.4	-2	NW	3	c	54	55	39	8	8	7	-	7-8	7-8	2500	0	*
Upper Heyford	20.2	-8	NW	3	bc	58	45	39	8	4	3	-	4-6	4-6	3500	0	*
Ross-on-Wye	21.8	-6	WNW	3	c	57	53	44	9	4	-	-	7-8	7-8	4000	0	*
Hartland Point	23.4	-10	WNW	3	bc	53	75	45	8	1	4	-	2-3	2-3	3000	0	4
Bristol	22.1	-10	NNW	3	bc	58	45	38	8	4	-	-	4-6	4-6	4000	0	*
Portland Bill	22.3	-2	W	3	bc	57	85	53	8	1	-	-	4-6	4-6	4000	1	3
Plymouth	23.6	-6	NNW	3	bc	56	65	43	8	1	-	-	4-6	4-6	4000	0	3
The Lizard	24.1	-8	N'W	4	bc	56	65	45	8	2	4	-	2-3	4-6	2500	0	3
Scilly (St. Mary's)	25.1	-12	NWN	3	bc	56	65	45	8	1	4	-	2-3	2-3	1800	0	3
Guernsey																	
Pembroke	23.2	-10	W'N	4	bc	54	85	48	8	2	7	-	2-3	2-3	3000	0	3
Holyhead (Valley)	21.9	-6	WNW	3	c	53	65	43	9	8	6	-	7-8	9	3000	0	2
Chester (Sealand)	21.3	-4	NW	5	c	52	65	40	8	8	6	-	7-8	9	3000	0	*
Manchester	20.9	-2	WNW	4	c	53	65	40	8	2	6	-	7-8	7-8	2500	0	*
Spurn Head	17.4	+4	WNW	6	c	55	65	42	7	4	6	-	4-6	9	2500	0	4
Catterick	17.7	0	WNW	4	c	55	45	36	8	5	4	6	2-3	7-8	2200	0	*
Tynemouth	16.4	0	WNW	6	c	57	45	37	7	8	-	-	7-8	7-8	3000	0	3
St. Abbs Head	14.2	0	WNW	4	c	52	65	41	8	5	7	-	4-6	7-8	3000	0	4
Leuchars	14.4	-2	NW	5	c	54	55	39	9	4	9	-	4-6	9+	2500	0	*
Renfrew (Abbots I.)	17.6	0	NW'N	5	c	50	65	39	9	8	7	-	4-6	9+	2500	1	*
Eskdalemuir	17.5	+8	NW'W	6	c	43	65	36	8	5	2	-	7-8	10	2200	0	*
Point of Ayre	20.5	-2	NNW	6	bc	53	65	40	8	2	6	6	1	4-6	3000	0	5
Tiree	20.5	0	N'W	4	pr	48	85	44	7	8	-	-	9+	9+	1800	0	5
Stornoway	18.5	+4	NW	6	c	46	92	44	8	5	7	-	7-8	10	1500	1	8
Dalwhinnie	16.8	+4	NNW	3	pr	44	75	38	7	5	-	-	10	10	1500	1	*
Aberdeen	13.7	+12	NW'N	5	pr	50	75	43	8	8	-	-	9+	9+	2100	1	4
Wick	12.7	+6	NW	6	jp	47	85	44	6	5	-	-	9+	9+	1000	1	*
Sumburgh	07.8	+6	NW	4	bc	50	75	42	8	5	3	1	4-6	4-6	2000	0	4
Blacksod Point	26.1	-2	NW'N	5	pr	52	65	40	8	8	-	-	9	9	2500	1	4
Malin Head	22.7	+2	N'W	5	bc	50	65	38	8	2	-	-	7-8	7-8	1500	1	5
Aldergrove	22.2	0	NWN	4	bc/pr	51	65	39	9	8	6	-	2-3	4-6	2500	0	*
Birr Castle	24.3	-4	NW	2	c	55	55	40	8	5	-	-	7-8	7-8	2500	0	*
Valentia Obsy.	26.9	-10	NW	5	bc	54	65	42	9	8	-	-	4-6	7-8	4000	●	5
Roches Point	24.0	-14	N	5	bc	58	75	51	9	2	-	-	2-3	2-3	2500	0	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 8th (39)	Weather 13h.—18h. 8th (40)	Weather 18h. 8th to 1h. 9th (41)	Weather 1h.–7h. 9th (42)
London (Kew)	becy	cbcy	bcy	c
Croydon	bccy	cybcy	cybcy	bcem0
S. Farnborough	bccy	cbcy	bcybc	bcwc
Boscombe Down	bcy	cybcy	b	bc
Thorney Island	bbcc	cbcy	b	bcbw
Lympne	bbccy	cbcy	bcybbc	cbcb
Manston	bbcc	cy	cbcz0	bbcz0m0z0
Shoeburyness	bcwcy	cy	cybc	bc
Felixstowe	bcy cy	cybcy	bcyb	bbm0b
Gorleston	cpr0	cbc	bcybz0	bbc
Mildenhall	c	bcy	bbm0	bxbm0c
Cranwell	bc	bcby	b	cm0
Birmingham	bcc	c	cb	bc
Upper Heyford	bc cbc	bcycy	bcybw	bcbw
Ross-on-Wye	bcc	bcc	cybcb	bcbc
Hartland Point	bc	bc	bc	bcc
Bristol	b, cbc	bcy	bcyvb	bdcm0c
Portland Bill	bcc	bc	bcb	bc
Plymouth	bcy	bcy	bcb	bcm0bc
The Lizard	bcc	bc	bcbw	bccbc
Scilly (St. Mary's)	cbc	bc	bcbw	bccbc
Guernsey				
Pembroke	bc	bc	bcc	bc
Holyhead (Valley)	bcc	cpr0bc	cprbc	bcc
Chester (Sealand)	cbcpr0	bcpr0cy	cbc	bccpr0
Manchester	cbcpr0	bbc	cbcb	cpr0m0
Spurn Head	cq	c	cbc	bcc
Catterick	cpr0cy	cybcyc	cbc	cbc
Tynemouth	bc	bcc	ccbc	bcc
St. Abbs Head	bbc	c	c	cm0prc
Leuchars	bcpr0y	bcjpcy	cybcc	c
Renfrew (Abbots I.)	cpr0jpbc	cpr0c	bcc	cbc
Eskdalemuir	cpr0c	bccy	c	c
Point of Ayre	prbcb	bbcc	bcc	c
Tiree	bcpr	bccpr0	ctr	c
Stornoway	cpr	cpr0	cpr0	cpr0
Dalwhinnie	cpr0p	ocpr0o		oir
Aberdeen	cpr0o	cpr0	c	cr0r0m0
Wick	cir0r0r0c	cpr0cjp	pr0r0rorr	cr0r0d0d0
Sumburgh	cpqir0bcb	cbccbc	bccirm0c	cir0
Blacksod Point	bc	pr	bc	c
Malin Head	pr	c	pr	bc
Aldergrove	cpr0	cpr0	crobc	cpr0bc
Birr Castle	c	c	c	d
Valentia Obsy.	pr	pr	pr	pr
Roches Point	pr	c	b	

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

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	Moderate Northwest wind fresh locally; bright intervals; local showers; cool.
10 N.E. England 11 S.E. Scotland	Moderate Northwest wind, fresh locally; cloudy; occasional rain; cool.
12 S.W. Scotland & Isle of Man 13A W. Scotland	As 7-9
13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh Northwest wind, strong locally; cloudy, occasional rain; cold.
16 Orkneys and Shetlands	As 13B - 15
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 7-9.

GENERAL INFERENCE

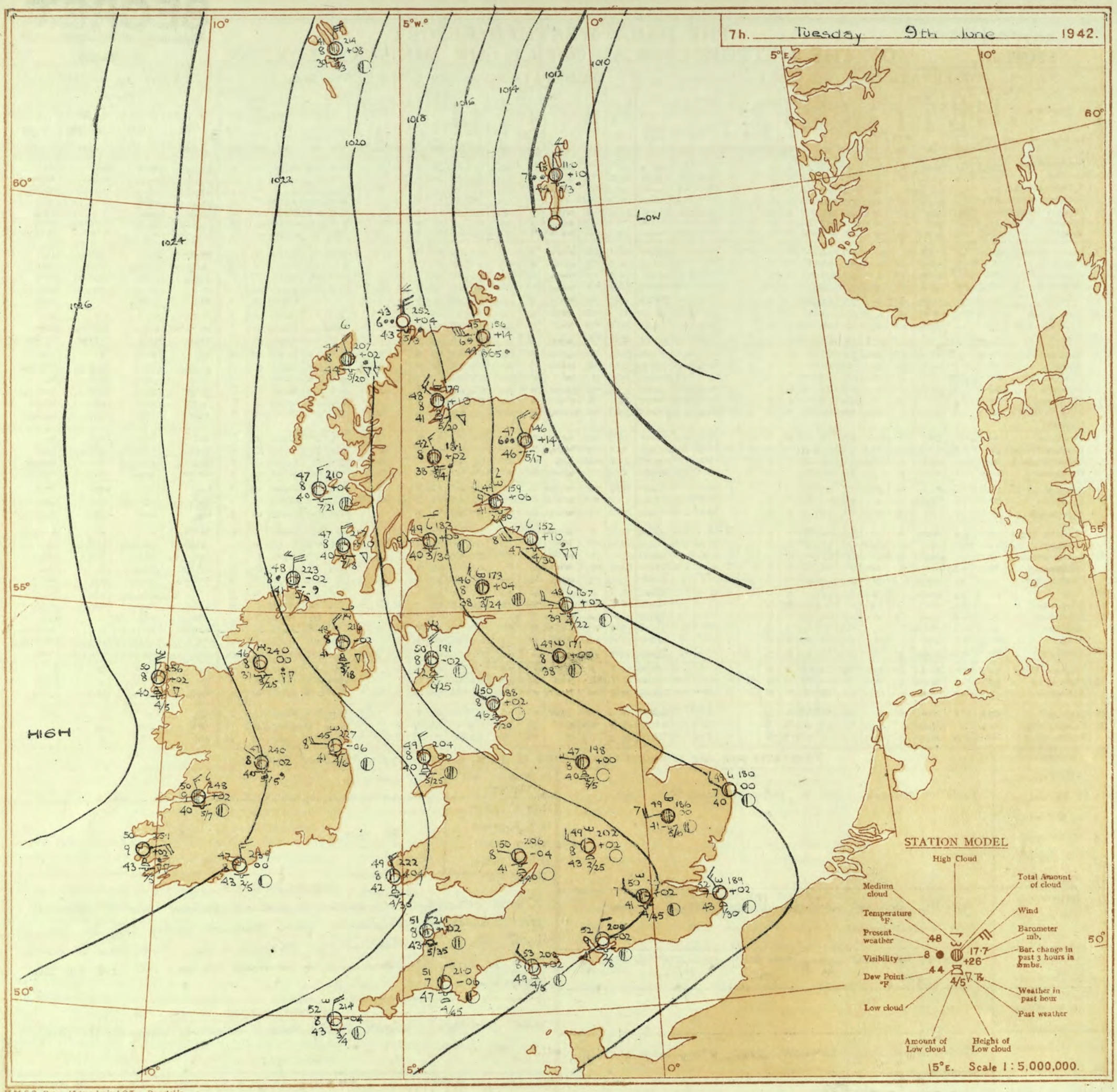
A large anticyclone is centred to West of Ireland and a depression over Scandinavia is probably moving Southeast. Weather will be fair in the South, but there will be showers in the North, and occasional rain in East Scotland and in Northeast England. It will be cool generally.

FURTHER OUTLOOK

Cool generally. Showers in the North; increasing tendency for showers 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, Meteorological Office, Dunstable.

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

Explanation of Frontal Lines shown on Charts

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

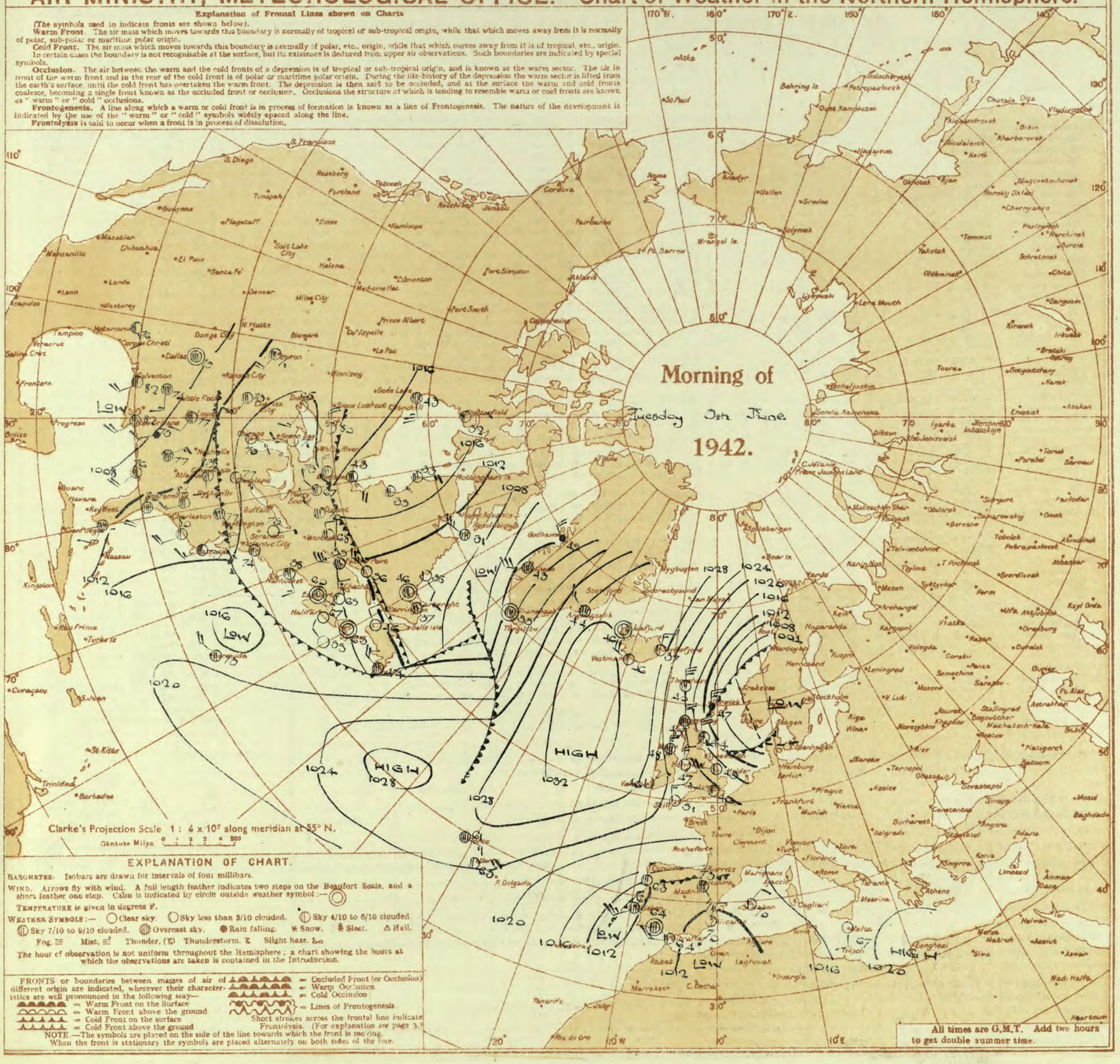
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

Page 4. BRITISH SECTION

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

Tuesday 9th June 1942

No. 29449

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)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	50	*	*	*	*	*	*	*	*	*
	Croydon	290	20·5	-2	WNW	1	bc	46	85	40	8	5	3	-	4-6	4-6	4500
	S. Farnborough	226	20·6	-4	WNW	1	bc	45	85	40	9	4	4	-	2-3	2-3	4000
	Boscombe Down	417	21·6	-6	-	0	b	43	85	38	8	-	-	-	0	0	-
	Thorney Island	10	20·4	-2	NNW	2	b	45	85	42	7	5	-	-	Tr	Tr	5700
	Lympne	283	20·6	-4	NW'N	3	c	48	75	41	8	5	-	-	7-8	7-8	7000
	Manston	154	19·9	-2	NW'N	2	z.	51	65	41	6	5	-	-	Tr	Tr	5700
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	19·6	-2	WNW	3	b	49	65	37	7	-	-	-	0	0	-
	Gorleston	5	18·9	0	WNW	3	z.	47	75	38	6	-	-	-	0	0	-
	Mildenhall	15	19·5	-4	WSW	3	z.	42	85	37	6	5	-	-	Tr	Tr	4000
	Cranwell	203	19·1	-2	W	4	b	44	85	39	7	-	4	-	0	Tr	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·8	+2	NNW	2	b	42	85	39	8	-	4	-	0	1	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25·0	+4	WNW	4	bc	52	65	40	8	1	4	-	2-3	2-3	3000
	Bristol	209	22·2	-2	SW	1	bc	45	75	38	7	5	-	-	2-3	2-3	4000
	Portland Bill	32	21·6	-10	NNW	2	b	51	92	49	8	-	-	-	0	0	-
	Plymouth	82	22·5	-12	E'S	2	b	45	92	42	7	-	-	-	0	0	-
	The Lizard	240	22·8	0	N'W	2	b	45	97	45	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	23·2	-12	NW'N	3	b	51	92	49	8	5	-	-	Tr	Tr	1500
	Guernsey	175															
6	Pembroke	142	22·3	-6	N'E	3	c	48	85	44	8	8	-	-	7-8	7-8	4000
7	Holyhead (Valley)	32	21·3	-2	NNW	3	bc	47	85	42	9	5	-	-	2-3	2-3	2000
	Chester (Sealand)	16	20·6	-4	WNW	4	bc	49	75	40	7	4	-	-	4-6	4-6	2500
8	Manchester	235	20·0	-2	W'S	2	bc	44	85	40	8	2	6	-	2-3	2-3	2500
10	Spurn Head	29	18·0	0	W	5	bc	49	75	41	7	4	-	-	2-3	2-3	4000
	Catterick	175	17·5	-6	NW	2	bc	46	75	39	8	5	4	-	Tr	4-6	4000
	Tynemouth	108	16·8	+2	NW	5	bc	46	75	39	7	-	5	-	4-6	4-6	2500
11	St. Abbs Head	280	14·9	-2	W	4	c	47	92	45	7	5	-	-	9	9	2500
	Leuchars	36	15·6	0	W	3	c	48	75	39	8	5	-	-	9+	9+	3000
12	Renfrew (Abbots I.)	19	18·1	-2	NW'W	3	c	45	75	38	7	4	-	-	7-8	7-8	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	20·1	-6	NNW	5	c	49	75	42	8	8	-	-	9+	9+	2500
13A	Tiree	22	20·8	0	NNW	4	c/pr	47	85	43	7	8	-	-	9+	9+	1500
13B	Stornoway	80	21·1	+16	NNW	5	c/pr	45	92	43	7	5	7	-	7-8	10	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	14·5	-2	NW'W	6	c/r	44	92	41	9	5	-	6	4-6	7-8	1000
	Wick	114	13·6	+2	NW	6	rr	45	97	44	6	5	-	-	10	10	1000
16	Sumburgh	19	08·5	+10	NNW	4	c	47	85	44	7	5	7	-	7-8	9+	3000
17	Blacksod Point	18	26·2	+2	NNW	3	bc	48	75	41	8	8	-	-	2-3	2-3	2500
18	Malin Head	84	22·7	-2	N'W	5	c/r	48	75	41	8	9	-	-	7-8	7-8	1500
	Aldergrove	268	22·4	-2	WNW	2	b	44	85	40	8	7	-	-	1	1	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	26·1	-2	NE'N	2	b	46	75	39	9	5	-	-	1	1	4000
	Roches Point	22	24·9	0	N	4	b	49	85	45	8	5	-	-	1	1	2500

OBSERVATIONS at 7 hr. 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)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)
London (Kew)	19·6	+2	NNW	2	c	51	65	40	7	5	-	-	9+	9+	2500
Croydon	20·1	+2	WNW	2	c	50	75	41	7	5	3	-	4-6	9+	4500
S. Farnborough	20·2	+2	WNW	2	c	48	75	41	8	5	3	-	4-6	9+	3000
Boscombe Down	20·4	0	NNW	1	c	47	97	41	7	7	-	-	4-6	4-6	3000
Thorney Island	20·0	+2	N'E	2	b	52	65	41	9	5	-	-	1	1	7200
Lympne	20·0	-2	NNW	3	b	51	65	40	8	5	-	-	Tr	Tr	7000
Manston	18·9	+2	NW	3	b	52	75	43	7	1	3	-	Tr	1	3000
Shoeburyness	19·5	+2	WNW	3	bc	53	65	42	8	-	3	-	0	2-3	-
Felixstowe	19·9	+10	WNW	4	b	50	75	40	8	-	-	-	0	0	-
Gorleston	18·0	0	NW'W	3	bc	49	75	47	7	-	4	-	0	2-3	-
Mildenhall	18·6	0	W'S	4	c	49	75	41	7	5	7	-	7-8	9	4000
Cranwell	17·6	-2	W	4	c	48	85	42	6	5	2	-	9+	10	4000
Birmingham	19·8	0	WNW	3	c	47	75	40	8	8	-	-	7-8	7-8	2500
Upper Heyford	20·2	+2	WNW	3	bc	49	85	43	8	1	3	-	1	2-3	2500
Ross-on-Wye	20·6	-4	WNW	2	bc	50	75	41	8	7	-	-	2-3	2-3	4000
Hartland Point	21·1	+2	NNE	3	c	51	75	43	8	4	-	-	7-8	7-8	3500
Bristol	21·1	-4	NW	2	c	50	75	43	8	5	4	-	7-8	7-8	1600
Portland Bill	20·2	+2	NW	2	bc	53	85	49	8	1	-	-	4-6	4-6	4000
Plymouth	21·0	-6	NNE	2	bc	51	85	47	7	7	-	-	4-6	4-6	4500
The Lizard	21·4	-4	N	2	bc	52	85	48	8	8	6	-	4-6	4-6	2500
Scilly (St. Mary's)	21·4	-4	NNE	4	bc	52	75	43	8	5	3	-	2-3	4-6	1800
Guernsey															
Pembroke	22·2	+4	N'W	4	bc	49	75	42	8	8	-	-	4-6	4-6	3000
Holyhead (Valley)	20·4	0	NNW	4	c	49	75	40	8	8	-	-	7-8	7-8	2500
Chester (Sealand)	19·2	0	WNW	3	c/pr	49	75	40	7	8	-	-	9+	9+	2500
Manchester	18·6	-2	WNW	3	c/pr	46	85	42	7	2	6	-	7-8	10	2500
Spurn Head	17·0	+2	WNW	4	c	48	75	43	7	5	-	-	9+	9+	4000
Catterick	17·1	0	WNW	3	bc	49	65	38	8	-	3	-	0	4-6	-
Tynemouth	16·7	+2	WNW	4	c	48	75	39	7	5	4	-	4-6	7-8	2200
St. Abbs Head	15·2	+10	W	4	c/pr	47	97	47	8	5	4	-	4-6	7-8	3000
Leuchars	15·9	+6	NW'W	4	c	49	75	41	9	5	3	6	1	9+	3000
Renfrew (Abbots I.)	18·3	+6	W	2	bc	49	65	40	9	5	4	8	2-3	4-6	3000
Eskdalemuir	17·3	+4	NW'N	3	c	46	75	38	8	5	7	-	2-3	9	2400
Point of Ayre	19·1	-2	N'W	5	c	50	75	42	8	8	6	-	9	9+	2500
Tiree	21·0	+4	N	3	c	47	75	40	8	5	-	-	9+	9+	2100
Stornoway	20·7	+2	NNW	4	c/pr	44	97	44	8	5	7	-	7-8	10	2000
Dalwhinnie	18·1	+2	NNW	3	o	42	85	38	8	5	-	-	10	10	1500
Aberdeen †	14·6	+14	NNW	4	r°r°	47	97	46	6	6	2	-	7-8	10	1700
Wick	15·6	+14	W	2	id.	45	92	44	6	5	-	-	10	10	500
Sumburgh	11·2	+10	NNW	6	ir.	47	85	44	7	5	2	-	9	10	1200
Blacksod Point	25·6	+2	N	5	bc	50	65	39	8	8	3	-	4-6	4-6	2500
Malin Head	22·3	+2	N	5	ir.	48	75	41	8	6	2	-	7-8	9+	2500
Aldergrove	21·6	-2	NW'N	4	c	48	75	41	8	8	6	1	7-8	9	1800
Birr Castle	24·0	-2	NW	2	c	47	75	40	8	5	-	-	7-8	7-8	2500
Valentia Obsy.	25·1	+2	ENE	4	b/pr	50	75	43	9	8	-	-	1	1	2500
Roches Point	23·9	0	N	3	b	47	85	43	8	5	-	-	1	1	2500

PAST 24 HOURS.

Stations	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 8th Hrs. (38)
London (Kew)	0	*	63	47	32	-	-	9·5
Croydon	0	*	64	41	34	-	-	10·9
S. Farnborough	1	*	64	42	32	-	-	11·6
Boscombe Down	0	*	61	40	32	-	-	10·7
Thorney Island	0	*	64	41	34	-	-	*
Lympne	0	§3	63	42	38	-	-	11·9
Manston	0	*	62	47	42	-	-	9·5
Shoeburyness	0	*	67	42	33	-	-	9·6
Felixstowe	0	3	66	45	41	-	-	11·9
Gorleston	0	3	63	42	38	Tr	-	8·3
Mildenhall	0	*	64	38		-	Tr	10·2
Cranwell	0	*	60	43	37	-	-	13·3
Birmingham	0	*	59	44	39	-	-	10·4
Upper Heyford	0	*	61	41	35	-	-	*
Ross-on-Wye	0	*	59	44	36	-	-	9·0
Hartland Point	0	3	54	50	46	-	-	13·7
Bristol	0	*	60	42	29	-	-	8·7
Portland Bill	1	2	59	49	*	-	-	*
Plymouth	0	2	59	41	33	-	-	13·7
The Lizard	0	3	58	44	*	-	-	13·4
Scilly (St. Mary's)	0	3	59	50	*	-	-	9·2
Guernsey								
Pembroke	0	3	56	41	*	-	-	11·8
Holyhead (Valley)	1	3	59	45	39	Tr	1	*
Chester (Sealand)	0	*	50	48	45	0·2	0·3	7·5
Manchester	1	*	56	43	38	1	1	*
Spurn Head	0	3	57	46	*	Tr	-	8·9
Catterick	0	*	58	45	40	Tr	-	9·8
Tynemouth	0	3	58	45	44	-	-	*
St. Abbs Head	1	4	54	46	*	-	Tr	*
Leuchars	0	*	57	47	45	Tr	-	6·9
Renfrew (Abbots I.)	1	*	55	44	38	Tr	-	5·8
Eskdalemuir	1	*	54	42	40	-	-	8·6
Point of Ayre	0	5	56	47	*	0·5	-	9·0
Tiree	0	4	53	45	*	Tr	Tr	6·9
Stornoway	1	3	48	42	*	1	0·6	0·1
Dalwhinnie	1	*	48	39	38	0·5	5	1·2
Aberdeen †	1	3	52	44		0·1	3	
Wick	1	*	50	44	41	3	3	*
Sumburgh	1	4	52	46	44	Tr	1	2·2
Blacksod Point	0	4	56	46	*	Tr	0·1	*
Malin Head	1	5	58	46		·	-	7·2
Aldergrove	0	*	55	42	38	0·6	0·1	6·0
Birr Castle	0	*	59	39	34	-	-	7·3
Valentia Obsy.	0	3	58	45	36	0·1	Tr	3·5
Roches Point	0	3	59	45	*	0·5	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 8th June ... 18h. G.M.T. / 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	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	8-	03748	61788	8·	81638	28688	62	62636	61668	5-	22748	29668
115				52	62635	61488	52	62735	65568	52	62635	65468
203				6-	81838	28528	6-	81838	28588			
206	87	81846	28487	87	25856	30388	8-	81856	28226	87	02855	61386
210	87	22843	39568	5-	81734	60488	5-	62647	59488	5-	02735	61557
220	80	25757	28587	82	25756	28588				52	03846	29428
230	86	25855	24685	86	25845	61586	5-	02855	28425	50	01854	30414
245	9-	25956	59568	86	10954	28487	57	02954	27426	57	02933	62426
260	2-	01855	26515	82	02864	25517	50	01764	22414	57	02764	28425
278	86	00853	59683	8C	10844	09615	84	02846	60517	84	02846	61627
279	20	02964	26585	87	02966	58427	57	02854	26426	57	25855	20286
285	20	01855	26613							53	02856	26517
288	8-	02957	57617	54	02964	57526	05	00890	21243	03	17690	26316
575	36	81847	61387	8-	02843	28483	5-	02856	28216	46	25853	28284
301	20	00953	60383	26	01962	60624	8-	02855	28525	8·	02857	29427
321	80	01854	25584	83	02855	59526	50	00782	24222	53	00675	25826
299	80	02765	23415	80	02765	26415	60	00762	24262	40	01757	24302
292	20	25955	60585	8·	02967	25387	50	01864	21114	53	01866	24113
310										--	23628	26488
614	86	05654	57425	20	01864	57414	44	05653	26203	57	05656	24127

13h. G.M.T. 8th June ... 18h. G.M.T. / 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	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	8-	01963	59313	83	81954	28316	9-	81756	28216	8-	02856	32326
334	**	02646	26217	--	02646	26217				--	63647	24288
340	8-	02954	28321				40	00862	26101			
136	24	01754	57584	26	01764	26014	50	01762	24312	33	02755	24417
336	10	01754	28410	10	01764	32414				37	03754	28416
350	26	02866	26426	7-	02865	26325	40	00761	24211			
368	8-	01955	26316	40	01864	28214	40	00861	321-0	80	01864	32214
379				7-	02856	28416	5-	01855	28215	50	00953	28313
390	86	02855	25325	5-	02776	26226	00	00790	00000	50	00773	26303
382	86	02955	26425	46	02954	30324	40	01873	00000	74	01863	30223
438	74	01753	22414	88	01763	24413	44	01753	04313	04	02790	02414
430	86	02868	64234	40	01864	26314	50	00761	02111	50	00861	30311
409	50	01953	30513	10	01954	29414	04	0189-	28214	50	01865	01215

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 9th 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	bccy	cbcy	bcy
Croydon	bccy	cybcy	cyBcy
Greenwich	cy	cy	cy
Camden Square	c	c	*
Kensington	bc	bc	*
Hampstead	bc	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. Time 0.1 9-7h. 8th
Min. Time <0.1 7-22h 8th

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	63	47	32	-	-	10·9	*	*
Croydon	64	45	43	-	-	10·9	*	*
Greenwich	65	49	38	-	-	7·2	38	46
Westminster	64	50	46	-	-		53	71
Regents Park	65	47	40	-	-		40	50
Camden Square	65	48	44	-	-	*	*	56
Kensington	65	49	45	-	-		34	49
Hampstead	63	45	40	-	-		*	63

SECRET

Page 1

BRITISH SECTION

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

Wednesday 10th June 1942

No. 29420.

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)	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)	18·3	-4	NW	2	c	57	55	39	8	5	-	-	9+	9+	2500
	Croydon ...	18·7	-6	NNW	3	c	59	45	39	7	7	-	-	9+	9+	2700
	S. Farnborough	18·5	-6	NNW	3	c	59	45	38	9	7	-	-	9+	9+	3500
	Boscombe Down	19·2	-8	NNW	3	bc	57	45	36	8	2	-	-	7-8	7-8	3000
	Thorney Island	18·3	-12	NW	3	c	60	45	40	9	4	-	6	7-8	9	5700
	Lympne ...	18·7	-8	N	2	c	51	55	39	8	4	-	1	7-8	7-8	3500
	Manston ...	18·1	-6	NNW	3	bc	57	65	46	8	1	3	-	2-3	4-6	3500
2	Shoeburyness ...	18·3	-2	NW	3	c	57	63	44	8	8	-	-	7-8	9+	2500
	Felixstowe ...	18·3	+2	NW	3	c	55	55	40	8	7	1	-	9	9+	4000
	Gorleston ...	17·7	-2	NW	2	c	55	65	42	7	8	-	-	9	9	1800
	Mildenhall ...	18·0	0	NNW	3	c	55	55	40	7	5	7	-	7-8	10	3000
	Cranwell ...	17·2	-2	NNW	3	c	58	55	41	7	8	-	-	9+	9+	3000
3	Birmingham ...	19·1	+2	NNW	4	c	50	73	43	7	5	-	-	10	10	2500
	Upper Heyford	18·9	-2	NNW	3	c	53	65	40	8	7	-	-	4-6	10	2000
4	Ross-on-Wye	19·5	-4	N	3	c	55	55	40	9	7	-	-	9	9	4000
5	Hartland Point	20·3	-6	N	3	bc	53	65	40	8	1	4	-	1	4-6	2500
	Bristol ...	20·1	-4	NNW	3	c	56	53	39	8	7	-	-	9+	9+	2500
	Portland Bill ...	20·0	-6	W	2	c	60	85	56	8	2	4	-	4-6	7-8	4000
	Plymouth ...	19·3	-16	NNW	3	bc	58	55	41	8	1	-	-	4-6	4-6	5000
	The Lizard ...	20·3	-8	N	3	c	57	65	45	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	21·1	-4	NNE	4	c	55	63	43	8	8	6	5	4-6	7-8	1800
	Guernsey ...															
6	Pembroke ...	20·3	-6	NW	4	c	55	75	46	8	8	-	-	7-8	7-8	3000
7	Holyhead (Valley)	20·1	-4	NNW	4	c	51	63	42	8	5	-	-	10	10	3000
	Chester (Sealand)	19·2	-2	NNW	4	c/pr	53	65	43	8	8	-	-	9+	9+	3000
8	Manchester ...	18·1	-6	W	3	c	54	65	43	9	4	-	-	10	10	2500
10	Spurn Head ...	17·8	+6	NNE	4	c	53	65	43	7	5	-	-	7-8	7-8	5000
	Catterick ...	18·2	+4	N	1	c/d	52	63	41	7	5	-	-	9+	9+	2200
	Tynemouth ...	17·9	+4	N	5	c	50	75	43	8	8	-	-	7-8	7-8	2500
11	St. Abbs Head	16·7	+8	WNW	2	c	50	92	48	9	5	-	-	7-8	7-8	2500
	Leuchars ...	16·9	-2	N	3	bc/pr	56	65	43	9	2	-	3	4-6	4-6	2500
12	Renfrew (Abbots I.)	18·2	0	NNW	4	bc	59	55	41	9	1	4	1	4-6	4-6	3000
	Eskdalemuir ...	17·1	-4	NW	2	c	55	55	44	8	7	-	-	9	9	2300
	Point of Ayre ...	19·2	-2	NNW	5	b	58	65	46	8	2	6	-	Tr	1	2000
13A	Tiree ...	21·6	0	N	3	c	50	73	47	8	5	-	-	7-8	7-8	2800
13B	Stornoway ...	21·6	+6	NNW	4	c	48	85	44	8	5	7	-	7-8	9+	1500
15	Dalwhinnie ...	18·6	+2	NNW	3	c	50	65	37	8	8	-	6	4-6	9	2500
	Aberdeen ...	16·3	+8	NW	5	bc	53	75	45	8	8	-	6	4-6	4-6	2300
	Wick ...	17·7	+8	NNW	5	id	46	92	44	7	5	2	-	7-8	10	900
16	Sumburgh ...	13·5	+12	NW	5	pr	49	92	45	6	5	2	-	9+	10	1200
17	Blacksod Point	24·0	-4	NNW	5	c	51	75	44	8	8	-	-	9	9	2500
18	Malin Head ...	22·1	-2	NNW	4	c	50	75	43	8	8	2	-	4-6	9+	1500
	Aldergrove ...	20·9	-6	NNW	4	c	55	65	43	9	7	-	-	7-8	7-8	2500
19	Birr Castle ...	22·5	-6	NNW	2	c	55	65	43	8	8	2	-	7-8	9	1500
20	Valentia Obsy.	21·3	-4	NE	4	c	53	65	41	9	8	-	-	9+	9+	4000
	Roches Point	22·5	-6	N	4	c	55	65	43	9	5	-	-	9	9	2500

OBSERVATIONS at 18h. 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)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	17·5	-8	N	1	20	58	55	41	6	3	3	6	4-6	9	4000	0	*
	Croydon ...	17·8	-6	NNW	2	c	55	65	42	6	7	-	2	9	9+	3800	0	*
	S. Farnborough	17·6	-6	N	3	c	56	55	41	8	5	-	-	7-8	10	3500	0	*
	Boscombe Down	18·3	-2	NNE	1	c	55	55	39	8	7	-	-	10	10	4500	0	*
	Thorney Island	17·4	-4	NNE	3	c	59	53	41	9	5	3	2	7-8	9	5500	0	*
	Lympne ...	18·3	0	N	2	c	54	65	41	7	7	6	6	4-6	7-8	6000	0	*
	Manston ...	17·6	-6	N	1	20	55	63	47	6	5	-	1	9	9+	5700	0	*
2	Shoeburyness ...	17·9	-6	NNW	1	c	57	75	49	7	5	3	6	4-6	9	3500	0	*
	Felixstowe ...	17·8	-2	ENE	3	c	56	73	46	7	8	1	-	9	9+	4000	0	2
	Gorleston ...	18·2	0	NNE	4	bc	55	63	43	7	1	-	-	2-3	2-3	1800	0	3
	Mildenhall ...	18·0	+4	NE	3	c	54	65	43	8	5	-	-	2-3	9+	3000	0	*
	Cranwell ...	18·0	+6	ENE	3	c	53	75	44	8	8	7	-	4-6	9+	2200	0	*
3	Birmingham ...	18·2	-4	NW	3	c	53	63	41	7	5	-	-	10	10	2500	0	*
	Upper Heyford	17·8	-6	NW	2	20	55	65	43	6	4	3	-	4-6	4-6	3500	0	*
4	Ross-on-Wye	18·3	-6	NW	3	bc	55	53	41	8	7	-	1	2-3	4-6	4000	0	*
5	Hartland Point	18·6	-10	N	4	bc	53	65	42	8	1	4	1	2-3	4-6	2500	0	3
	Bristol ...	18·7	-6	NNE	3	c	56	55	40		7	-	-	9+	9+	2500	0	*
	Portland Bill ...	17·7	-6	NE	2	c	57	85	53	8	5	-	-	10	10	4000	1	2
	Plymouth ...	17·9	-6	S	3	c	55	75	47	8	7	-	6	7-8	9	3500	0	3
	The Lizard ...	18·0	-8	NNW	4	bc	55	65	42	8	7	-	-	4-6	4-6	2500	0	3
	Scilly (St. Mary's)	19·6	-10	NE	4	bc	52	65	40	8	1	-	5	2-3	4-6	2400	0	3
	Guernsey ...																	
6	Pembroke ...	20·1	-6	NNE	4	bc	54	65	41	8	8	4	-	2-3	4-6	3000	0	2
7	Holyhead (Valley)	19·2	-6	NW	4	b	53	65	43	9	2	-	-	1	1	3000	0	3
	Chester (Sealand)	18·9	-2	NW	3	bc	54	65	43	8	8	6	-	4-6	4-6	3000	0	*
8	Manchester ...	18·1	-4	WNW	3	pr	52	75	44	6	9	-	-	10	10	2500	1	*
10	Spurn Head ...	18·9	0	N	4	c	54	65	43	7	5	-	-	7-8	7-8	4000	0	3
	Catterick ...	17·9	-6	SW	1	20	54	65	44	6	5	3	-	9	9	2600	1	*
	Tynemouth ...	18·8	0	NNE	3	c	51	75	41	8	8	3	-	4-6	7-8	2800	0	3
11	St. Abbs Head	17·7	+2	NNW	1	bc	51	97	51	9	5	4	-	2-3	2-3	3000	0	2
	Leuchars ...	17·3	+2	NNW	2	bc	57	55	43	9	2	6	3	2-3	4-6	3500	0	*
12	Renfrew (Abbots I.)	17·6	-10	NNW	3	bc	59	55	40	9	2	4	-	2-3	2-3	4500	0	*
	Eskdalemuir ...	17·2	0	NW	2	c	53	65	41	8	5	-	-	9+	9+	1800	1	*
	Point of Ayre ...	18·9	-2	NNW	5	b	55	75	47	8	1	4	-	Tr	1	2000	0	4
13A	Tiree ...	21·7	0	N	4	c	49	75	40	8	5	3	-	4-6	7-8	2800	0	4
13B	Stornoway ...	22·3	0	NNW	3	c	47	85	43	8	5	7	-	7-8	9+	1500	1	3
15	Dalwhinnie ...	19·6	+4	N	3	c	47	65	36	8	5	-	-	9+	9+	2500	1	*
	Aberdeen ...	17·9	+10	NNW	4	c/pr	50	75	43	8	6	3	-	9	9+	2100	1	3
	Wick ...	18·0	+4	NW	4	c	47	85	44	8	8	2	-	9	10	1800	0	*
16	Sumburgh ...	15·9	+6	NW	5	c	48	85	43	7	8	-	-	9	10	1500	0	4
17	Blacksod Point	23·8	-6	NW	5	pr	50	85	45	8	9	-	-	9+	9+	2500	1	4
18	Malin Head ...	21·7	-2	NW	5	c	49	75	42	8	8	2	-	4-6	10	1500	0	5
	Aldergrove ...	20·7	-2	NNW	4	c	50	65	38	9	7	-	-	9+	9+	3000	0	*
19	Birr Castle ...	21·1	-8	NNW	1	c	54	65	42	8	8	7	-	7-8	9	1500	0	*
20	Valentia Obsy.	22·3	-12	NNE	4	c	53	65	41	9	8	-	-	9	9	4000	0	4
	Roches Point	20·4	-10	N	4	c	55	75	43	8	8	-	-	9	9	1500	0	3

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 9th (39)	Weather 13h.—18h. 9th (40)	Weather 18h. 9th to 1h. 10th (41)	Weather 1h.—7h. 10th (42)
1	London (Kew)	cey	cy	cz.	cbcbw
	Croydon ...	cbccy	cyc	cz.bcm.	bcmwb
	S. Farnborough	abccy	cy	cbcm.	bcmwjf
	Boscombe Down	bc	bccy	cbc	bcmwb
	Thorney Island	bwcy	cy	c	cbcb
	Lympne ...	bccy	bccy	cbcmw	bcm.wc
	Manston ...	bbcycbc	bccz.	cz.bcm.	bcwbcc
2	Shoeburyness ...	bcc	c	c	cbbc
	Felixstowe ...	bbccy	cyc	bccw	bwbb
	Gorleston ...	c	cbc	bc	bcc
	Mildenhall ...	c	cycz.c	cbc	
	Cranwell ...	c	c	bcc	circ
3	Birmingham ...	c	c	cz	c
	Upper Heyford	bwbcc	cbc	bccm.	cmc
4	Ross-on-Wye	bccv	cybcy	bcc	c
5	Hartland Point	cbc	bc	bcc	c
	Bristol ...	cwbbcc	cy	cyvz.	cz.m.w
	Portland Bill ...	c	cc	c	c
	Plymouth ...	cybcy	bcyc	bbc	c
	The Lizard ...	bcc	cbc	bc	cbc
	Scilly (St. Mary's)	bcc	cbc	bc	bccbc
	Guernsey ...				
6	Pembroke ...	bcc	cbc	bcw	c
7	Holyhead (Valley)	c	cb	bbcc	cbcb
	Chester (Sealand)	cpr.	bccbc	bccbc	cm.pr.
8	Manchester ...	cbcz.	cpr.	cpr.	cirm.
10	Spurn Head ...	c	c	c	c
	Catterick ...	ccycid.c	cpr.	crrcf	cr.cm.bc
	Tynemouth ...	cp.c	c	c	cbc
11	St. Abbs Head	cm.pr.	cprbp	cbcc	c
	Leuchars ...	bcpr.	bprbcy	bcvb	cbc
12	Renfrew (Abbots I.)	bcy	bcbbcy	c	c
	Eskdalemuir ...	cy	cir.	c	c
	Point of Ayre ...	cbcb	b	b	bbcb
13A	Tiree ...	c	cbcc	bcb	bbc
13B	Stornoway ...	cpr.	cpr	cpr.	cpnbcc
15	Dalwhinnie ...	birc	c		cir.
	Aberdeen ...	cpr.bc		c	cbc
	Wick ...	cidc	c	id.cpr.c	cprbc
16	Sumburgh ...	cirrm.cpr.	cpr.	cir.c	cbccbc
17	Blacksod Point	c	pr	bc	pr
18	Malin Head ...	r	r	c	bc
	Aldergrove ...	c	c	cb	bccb
19	Birr Castle ...	o	c		c
20	Valentia Obsy.	pr	c	r	r
	Roches Point	bc	c	c	c

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

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 Northeast wind; mainly fair; cool.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light or moderate North wind, backing slowly Northwest; variable cloud; local showers; 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

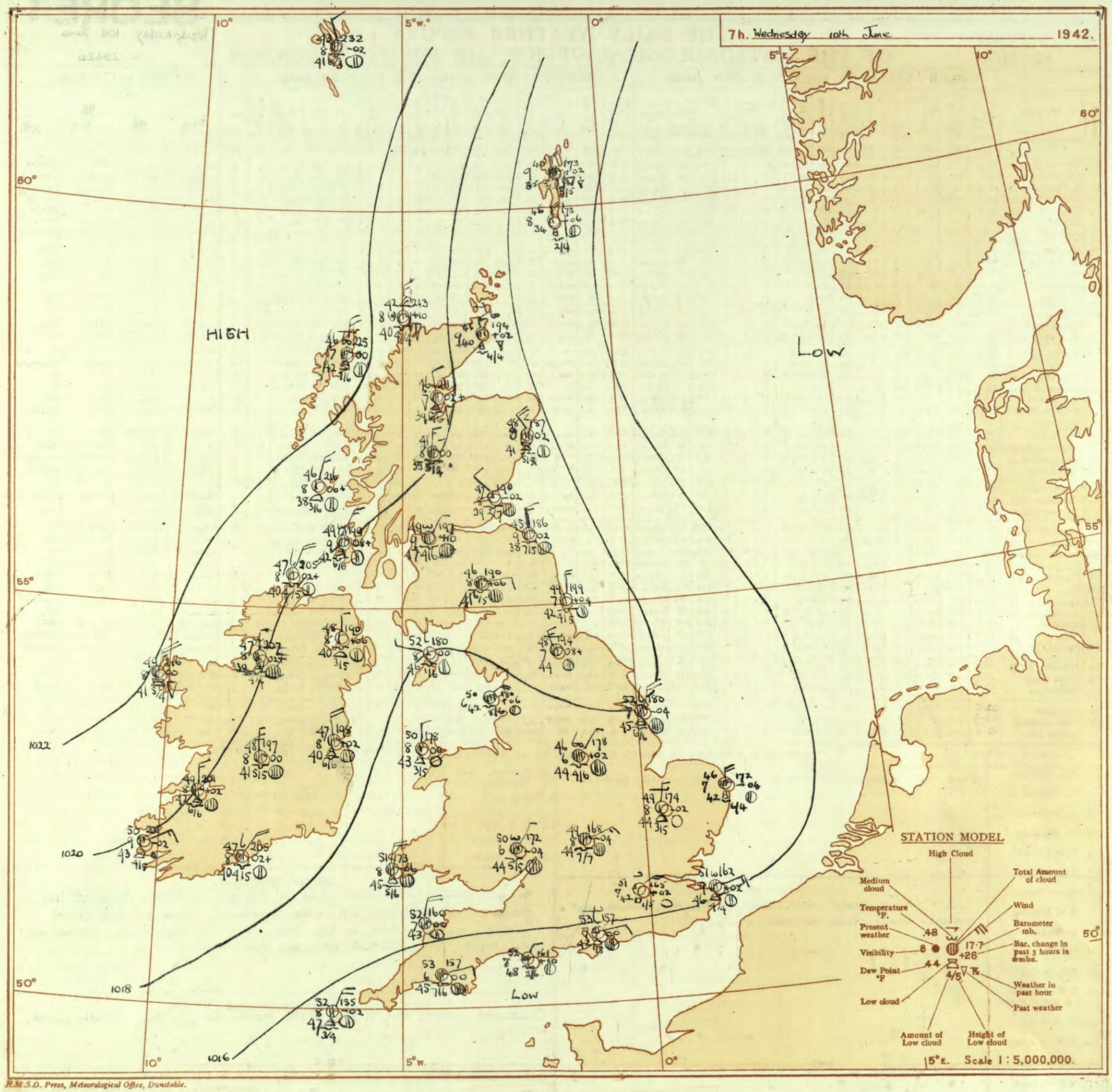
An anticyclone is centred west of Ireland; a feeble trough of low pressure over Iceland will move Southeast. There will be bright intervals and showers in the North, but in the South weather will be mainly fair. It will be cool generally.

FURTHER OUTLOOK

Occasional light rain in the North; mainly fair in the South; 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



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

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

Explanation of Frontal Lines shown on Charts

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

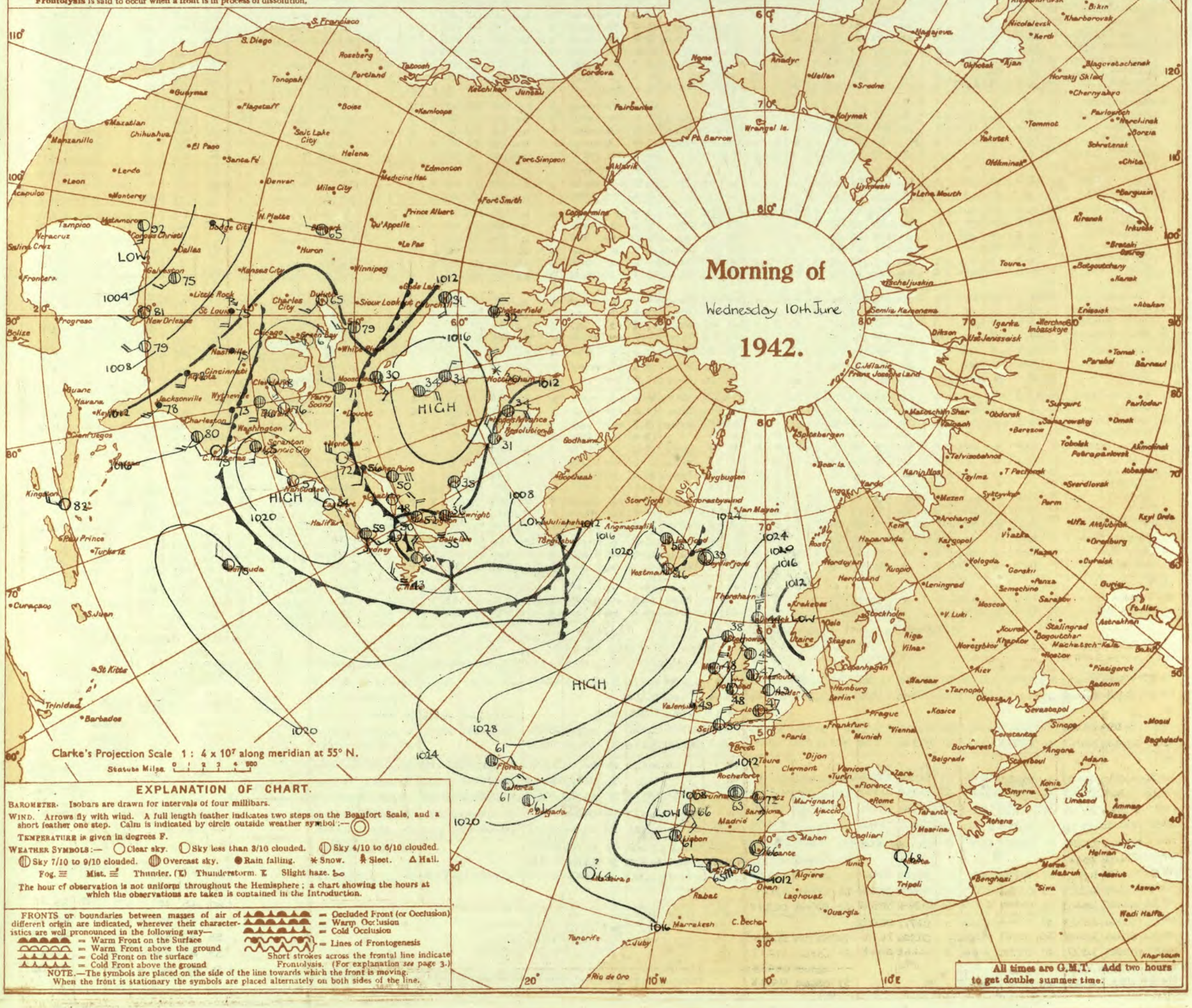
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

Page 4.

BRITISH SECTION

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

Wednesday 10th June 1942

No. 29420

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	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon	290	17.2	-6	E	1	bc	47	85	43	6	5	-	-	4-6	4-6	4000
	S. Farnborough	226	16.7	-6	-	0	bc	48	85	43	6	5	-	-	2-3	2-3	3500
	Boscombe Down	417	17.6	-8	N	2	c	47	85	43	7	6	-	-	7-8	7-8	4000
	Thorney Island	10	16.1	-10	NE	2	z.	48	85	43	6	5	7	-	2-3	10	4000
	Lympne	283	17.7	-10	-	0	z.	44	97	43	6	-	-	2	0	4-6	-
	Manston	154	16.9	-10	NE'E	2	z.	46	92	45	6	5	-	1	Tr	1	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	17.7	-6	N'E	1	b	47	85	43	7	5	-	-	Tr	Tr	4000
	Gorleston	5	18.5	-2	N'W	2	bc	45	92	43	7	1	-	-	2-3	2-3	1500
	Mildenhall	15	18.1	-6	NNE	2	bc	48	85	44	7	5	7	-	4-6	7-8	4000
	Cranwell	203	17.9	-8	-	0	c	47	85	43	7	-	7	-	0	7-8	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17.2	-8	NE	3	z.	46	85	42	6	-	7	-	0	9+	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16.8	-14	NE	3	c	50	85	45	8	5	-	-	7-8	7-8	4000
	Bristol	209	17.8	-8	NE	2	z.	50	75	43	6	5	-	-	9+	9+	5700
	Portland Bill	32	16.5	-8	NE	2	c	54	85	50	7	5	-	-	10	10	4000
	Plymouth	82	16.9	-10	-	0	c	50	75	44	7	5	-	-	7-8	7-8	5500
	The Lizard	240	17.3	-4	N'E	3	bc	47	92	45	8	8	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	17.0	-16	NNE	5	bc	50	75	42	8	8	-	-	2-3	2-3	2000
	Guernsey	175															
6	Pembroke	142	18.3	-10	N'E	4	bc	48	85	42	8	4	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	18.5	-6	N	2	c	48	75	42	8	5	-	-	9	9	7000
	Chester (Sealand)	16	18.4	-4	WNW	1	bc	47	92	45	6	5	3	-	2-3	2-3	5000
8	Manchester	235	18.2	-4	-	0	c	46	97	45	6	5	7	-	4-6	7-8	4000
10	Spurn Head	29	18.9	+4	N	3	c	49	75	42	7	5	-	-	9	9	4000
	Catterick	175	18.5	+4	NW	1	of	47	92	45	3	5	-	-	10	10	2500
	Tynemouth	108	19.5	+6	NNE	3	c	47	85	42	7	8	-	-	9	9	2500
11	St. Abbs Head	280	18.8	+8	NNW	3	c	47	92	45	7	5	-	-	7-8	7-8	2500
	Leuchars	36	19.3	+8	NNW	1	bc	42	85	39	9	5	3	-	2-3	4-6	5000
12	Renfrew (Abbots I.)	19	18.9	+10	NE	2	c	50	75	43	8	5	-	-	7-8	7-8	3500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	18.5	0	NNW	2	b	49	85	46	8	4	4	-	Tr	1	3000
13A	Tiree	22	21.5	0	N	3	b	45	85	40	8	1	4	-	1	1	3500
13B	Stornoway	80	22.7	0	USW	2	c	38	97	38	5	5	-	-	4-6	7-8	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	19.4	+6	NW'N	4	bc	43	85	40	9	5	3	-	1	2-3	3500
	Wick	114	19.5	+4	NW	3	c/pr	43	97	42	8	8	3	-	4-6	7-8	2000
16	Sumburgh	19	16.7	+2	NNW	4	c	44	85	40	8	8	-	-	9	9	2000
17	Blacksod Point	18	22.9	-2	N	5	bc	40	75	33	8	9	-	-	4-6	4-6	1500
18	Malin Head	84	20.9	-4	NE'N	5	c	48	75	41	8	8	-	-	9+	9+	1500
	Aldergrove	268	20.2	-4	NW'N	2	b	41	92	39	7	8	4	-	Tr	1	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21.5	-6	NNE	3	r.	49	75	42	8	5	2	-	7-8	10	2500
	Roches Point	22	19.8	-6	N	3	c	50	85	46	8	5	-	-	9+	9+	2500

OBSERVATIONS at 7 hr. 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)	17.0	+4	ENE	3	bc	52	65	41	7	1	-	4	1	2-3	2500	0	*
Croydon	16.5	-2	NE'E	3	b	51	75	42	7	1	-	1	Tr	1	2000	0	*
S. Farnborough	16.5	+6	ENE	3	bc	52	75	45	7	1	-	9	2-3	4-6	2500	1	*
Boscombe Down	16.5	+2	ENE	3	z.	50	85	45	6	-	-	-	0	0	-	0	*
Thorney Island	15.7	0	ENE	2	b	53	75	45	7	1	4	1	Tr	Tr	2500	0	*
Lympne	16.7	-2	NE	3	bc	52	75	44	8	2	3	-	4-6	4-6	2000	0	§2
Manston	16.2	+2	ENE	3	c	51	85	46	9	2	3	-	4-6	7-8	1500	0	*
Shoeburyness	17.0	+2	NNE	3	bc	53	85	47	8	8	7	1	2-3	4-6	2500	0	*
Felixstowe	17.1	0	NNE	3	bc	51	75	42	8	1	-	1	2-3	2-3	2500	0	2
Gorleston	17.2	±4	NNE	4	c	46	85	42	7	8	-	-	9	9	1600	0	2
Mildenhall	17.4	-2	NNE	1	bc	49	85	44	8	1	-	1	2-3	2-3	2500	0	*
Cranwell	17.8	+2	NE'E	2	c/r	46	92	44	7	5	7	-	7-8	9+	3000	1	*
Birmingham	17.9	+2	NNE	2	z.	49	85	45	5	5	7	-	4-6	10	4000	0	*
Upper Heyford	16.8	-4	NE'E	3	c	49	85	44	8	5	-	-	9+	9+	6000	0	*
Ross-on-Wye	17.2	-4	NE	1	z.	50	85	44	6	5	3	-	7-8	10	3000	0	*
Hartland Point	16.0	0	NNE	4	c	52	75	43	7	-	5	-	0	9+	-	0	3
Bristol	17.0	-2	NE	2	z.	50	85	45	6	5	3	-	2-3	9	2500	0	*
Portland Bill	16.1	+10	NE	2	c	52	85	48	7	5	-	-	7-8	9	4000	1	2
Plymouth	15.7	0	ENE	2	z.	53	75	45	6	5	-	-	9+	9+	3000	0	2
The Lizard	15.2	-2	NNE	3	bc	52	85	46	8	8	6	-	4-6	4-6	2500	0	3
Scilly (St. Mary's)	15.5	-2	NE'N	4	bc	52	85	47	8	8	-	-	2-3	4-6	1800	0	3
Guernsey																	
Pembroke	17.3	-6	NNE	4	c	51	75	45	8	8	-	-	7-8	7-8	3000	0	2
Holyhead (Valley)	17.8	0	N	2	bc	50	75	42	8	2	-	-	2-3	2-3	2000	0	2
Chester (Sealand)	17.8	-2	NW	2	c/pr	51	85	45	7	8	3	-	4-6	7-8	3000	0	*
Manchester	17.9	+2	NE'E	1	c/r	48	92	46	6	5	7	-	4-6	10	4000	0	*
Spurn Head	18.0	-4	N'E	4	c	52	75	45	7	8	4	-	9	9	4000	0	3
Catterick	19.6	+8	NNW	3	c	48	85	44	7	5	3	1	2-3	7-8	2500	1	*
Tynemouth	19.9	+4	N	4	bc	49	75	42	7	5	-	-	4-6	4-6	2600	0	3
St. Abbs Head	18.6	+2	N	3	c	45	75	38	9	5	-	-	9+	9+	3000	0	3
Leuchars	19.0	-2	NW	2	b	47	75	39	8	5	-	-	1	1	5000	0	*
Renfrew (Abbots I.)	19.7	+10	NE	1	c	49	92	47	9	5	3	-	4-6	7-8	3500	0	*
Eskdalemuir	19.0	+6	E'N	2	c	46	85	42	8	5	-	-	9	9+	2500	1	*
Point of Ayre	18.0	0	W'N	1	b	52	85	46	8	4	4	-	Tr	1	3000	0	
Tiree	21.6	+6	N'E	3	bc	46	75	38	8	1	-	-	2-3	2-3	3500	0	4
Stornoway	22.5	0	N	4	c	46	85	32	8	2	7	8	2-3	7-8	2500	1	3
Dalwhinnie	21.1	0	N	3	c	41	75	34	8	5	-	-	7-8	7-8	1500	1	*
Aberdeen †	18.7	+2	NW'N	4	c	48	75	41	8	9	1	-	7-8	7-8	2300	1	3
Wick	19.4	+2	NNW	3	c	46	75	40	9	8	7	1	4-6	7-8	1800	1	*
Sumburgh	17.8	+6	N'W	5	bc	46	65	34	8	8	-	-	4-6	4-6	2000	0	4
Blacksod Point	21.6	0	N'E	5	bc	49	75	42	8	3	-	-	7-8	7-8	1500	1	4
Malin Head	20.5	+2	NE'N	4	c	47	75	40	8	5	4	-	4-6	7-8	2500	0	4
Aldergrove	19.0	+6	N	1	bc	48	85	44	8	7	-	-	2-3	2-3	3000	0	*
Birr Castle	19.7	0	N	1	c	48	75	40	8	5	1	-	7-8	9+	2500	0	*
Valentia Obsy.	20.1	-2	NE'E	3	bc	50	75	42	9	2	-	-	4-6	4-6	2500	0	3
Roches Point	19.0	+6	N	3	c	48	85	44	8	5	-	-	9	9	2500	0	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 9h Hrs. (38)
London (Kew)	58	47	32	-	-	4.0
Croydon	59	42	39	-	-	3.4
S. Farnborough	59	42	31	-	-	4.3
Boscombe Down	59	49	38	-	-	4.9
Thorney Island	62	41	35	-	-	*
Lympne	59	39		-	-	9.1
Manston	59	43	35	-	0.1	8.4
Shoeburyness	60	43	34	-	-	6.8
Felixstowe	60	47		-	-	5.4
Gorleston	57	42		-	-	
Mildenhall	60	32	27	-	-	2.9
Cranwell	58	44	31	-	0.2	1.1
Birmingham	58	47	36	-	-	4.0
Upper Heyford	56	45		-	-	*
Ross-on-Wye	58	47	41	-	-	5.7
Hartland Point	60	50	47	-	-	13.0
Bristol	58	46	36	-	-	3.8
Portland Bill	60	49	*	-	-	*
Plymouth	61	47	45	-	-	7.2
The Lizard	57	46	*	-	-	9.8
Scilly (St. Mary's)	57	49	*	-	-	13.9
Guernsey						
Pembroke	56	40	*	-	-	12.9
Holyhead (Valley)	56	40	33	-	-	*
Chester (Sealand)	56	46	42	Tr	Tr	2.8
Manchester	55	45	41	0.1	-	*
Spurn Head	56	46	*	-	Tr	5.6
Catterick	55	44	41	Tr	1	3.7
Tynemouth	52	44	42	0.4	-	*
St. Abbs Head	53	44	*	Tr	-	*
Leuchars	60	41	39	Tr	-	7.1
Renfrew (Abbots I.)	59	45	42	-	-	11.7
Eskdalemuir	58	40	38	Tr	-	1.6
Point of Ayre	58	42	*	-	-	11.9
Tiree	52	40	*	-	-	1.8
Stornoway	50	37	*	0.5	Tr	1.5
Dalwhinnie	52	30	22	0.3	Tr	3.1
Aberdeen †	54	41	37	0.1	-	4.9
Wick	49	40	38	0.1	0.2	*
Sumburgh	50	43	38	0.2	-	0.6
Blacksod Point	54	47	*	0.3	5	*
Malin Head	51	46		0.2	-	0.7
Aldergrove	56	33	27	-	-	3.3
Birr Castle	56	43	40	-	-	
Valentia Obsy.	56	46	42	0.1	0.6	3.8
Roches Point	56	49	*	-	-	*

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	52	03646	29668	02	03858	29528	8-	02864	29486	8-	31524	17846
115	52	81735	32468	52	61734	32387	57	25844	32386	52	10844	32386
203												
206	8-	25853	28285	8-	02967	30487	86	02865	32126	8-	81566	30276
210	87	25846	27487	8-	02857	28487	5-	02856	26386	83	25745	27387
220	-											
230	36	02955	24326	16	02953	28415	53	00952	32318	53	00962	02113
245	20	10965	63485	86	02953	02486	57	01964	31415	80	00853	32413
260	8-	02864	28215	84	01864	28214	57	02854	26215	53	02754	32115
278	5-	02956	62526	8-	00952	61522	50	00861	25301	5-	02867	00017
279	8-	02866	22226	8-	81867	20187	5-	02755	04415	77	02865	04316
285	5-	02656	28426							23	02745	12326
288	5-	61658	30328	52	61755	03327	5-	05657	29267	5-	05543	30227
575	7-	02868	32328	73	02966	32327	5-	81858	30228	83	01844	32124
301	36	00862	28403	26	02851	28326	5-	01764	30314	5-	05668	02228
321	26	02866	28327	53	02864	04225	5-	02777	00027			
299	54	01764	30415	50	02755	30305	5-	02756	26116	84	02754	30315
292	8-	02967	31327	5-	02776	12126	5-	22658	01168	5-	05566	31227
310	--	02638	26328							--	46109	08429
614	5-	05667	28227	5-	05657	06127				57	05664	04128

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
333	5-	02858	30328	8-	01963	30413	13	01761	32111	53	01843	30213
334	**	03746	30228							--	02546	02117
340	8-	02858	31228				53	02765	30126	5-	05668	28158
136	8-	02758	26318	7-	02846	03226	50	04872	32112	5-	02846	01316
336	57	02755	28428	57	02755	28428				52	21754	32358
350	7-	02668	26328	13	05652	28226	5-	02777	03287	73	02775	02226
368				7-	02967	32127	5-	02767	06227	53	05673	01224
379	8-	02937	28327	7-	02867	30327	57	05664	04216	53	02764	04328
390	7-	02755	26427	53	05664	28215	03	05550	32113	14	00752	04213
382	5-	02967	30327	53	02766	32127	50	00662	04202	13	05661	03224
438	88	02764	22315	87	02765	01217				88	02764	02425
430	70	02864	26325	5-	02866	02216						
409	10	01974	01414	10	00961	01413	50	01873	03303	5-	02767	03217

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 10th 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	ccy	cy	CZ.cvw
Croydon	cbccy	cyc	CZ.bcm
Greenwich	cy	cy	cbbcy
Camden Square	c	c	*
Kensington	bc	bc	*
Hampstead			

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.

Kew 24 hours ended 7h. Max. 0.1 Time 16–24h 9th. Min. <0.1 Time 8–14h 9th.

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	58	47	32	-	-	4.0	*	*
Croydon	59	42	39	-	-	3.4	*	*
Greenwich	60	45	29	-	-	3.9	53	55
Westminster	60	49	46	-	-		69	75
Regents Park	59	47	37	-	-		46	53
Camden Square	59	47	39	-	-	*	*	62
Kensington	59	47	41	-	-		58	56
Hampstead							*	

SECRET

Page 1 BRITISH SECTION

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

Thursday 11th June 1942

No. 29,421

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)	16.9	-2	NNE	3	c	57	55	41	7	5	-	-	9+	9+	2500
	Croydon	16.7	0	NE	4	c	56	55	41	7	7	4	-	2-3	9+	2800
	S. Farnborough	16.5	+2	ENE	3	c	59	45	40	8	7	-	-	7-8	7-8	3000
	Boscombe Down	16.6	0	NE'N	3	c	60	45	40	8	8	-	.	9	9	3000
	Thorney Island	15.6	-2	NE	4	c	62	45	41	9	2	-	2	4-6	7-8	4000
	Lympne	16.9	-6	NE	3	bc	58	65	45	9	1	4	1	4-6	4-6	3500
	Manston	16.4	-6	NE'E	4	b	57	75	49	9	1	3	1	1	1	2000
2	Shoeburyness	17.2	-4	ENE	3	c	57	92	54	8	7	3	-	7-8	9	2900
	Felixstowe	17.8	0	ENE	3	c/pr	54	65	43	8	7	-	1	9	9+	3400
	Gorleston	17.9	-2	NE'N	4	bc	53	85	47	7	2	4	-	4-6	4-6	2000
	Mildenhall	17.4	-4	NNE	3	c	58	55	41	8	7	7	-	7-8	9+	2000
	Cranwell	18.1	0	N'E	3	c/pr	55	65	45	7	8	-	-	4-6	10	2000
3	Birmingham	18.4	0	NE	3	z	52	65	40	6	5	7	-	4-6	9+	4000
	Upper Heyford	17.7	+6	NE'E	3	c	57	59	42	8	1	7	-	4-6	9+	2200
4	Ross-on-Wye	17.3	0	ENE	3	c	58	55	43	7	1	3	-	2-3	9+	3500
5	Hartland Point	16.2	0	NE	3	c	56	65	46	7	1	3	-	1	9	2500
	Bristol	16.8	-2	NNE	3	c	60	55	43	8	2	6	-	2-3	9	4000
	Portland Bill	16.3	0	SE	3	c	56	92	48	7	5	7	-	4-6	4-6	400
	Plymouth	15.9	+2	E	3	c	59	45	43	7	5	.	.	9+	9+	400
	The Lizard	15.6	0	E	3	bc	60	75	50	8	2	-	-	4-6	4-6	350
	Scilly (St. Mary's)	16.2	+2	NE'N	4	c	57	75	48	7	8	-	-	7-8	7-8	1800
	Guernsey															
6	Pembroke	17.6	-2	N	5	bc	57	65	47	8	1	6	-	2-3	4-6	3000
7	Holyhead (Valley)	18.0	-2	NNW	4	c	55	75	46	8	1	-	6	2-3	7-8	250
	Chester (Sealand)	18.6	+6	SSW	1	c/pr	51	85	47	6	5	1	.	7-8	9	350
8	Manchester	19.2	+4	SE	2	bc	58	65	45	8	2	4	5	1	2-3	250
10	Spurn Head	19.2	0	NNE	4	bc	55	65	42	7	4	6	-	2-3	4-6	1000
	Catterick	19.4	+2	NE	3	c	53	65	40	7	8	-	-	9+	9+	3500
	Tynemouth	19.9	0	N	4	bc	51	65	40	8	8	3	-	4-6	4-6	2600
11	St. Abbs Head	19.2	+6	NNW	3	c	49	75	42	9	5	4	-	4-6	7-8	3000
	Leuchars	19.4	+4	SE	3	c/pr	52	85	45	9	8	-	1	9	9+	3000
12	Renfrew (Abbots I.)	19.1	+2	NW'N	1	c	60	45	36	9	5	-	1	7-8	7-8	350
	Eskdalemuir	18.7	-2	ESE	1	c	52	65	40	8	7	-	.	9+	9+	2300
	Point of Ayre	19.2	+4	SE	2	bc	58	65	47	8	2	4	5	1	2-3	2500
13A	Tiree	23.0		NNE	3	bc	51	75	42	9	1	4	5	1	2-3	2500
13B	Stornoway	23.2	+2	NE	4	c/pr	49	85	44	8	5	7	-	7-8	9	250
15	Dalwhinnie		+2	N	3	c	50	55	44	8	8	-	9	7-8	9	250
	Aberdeen	19.3	+6	N'E	3	c/pr	51	65	41	8	8	-	6	7-8	7-8	2100
	Wick	20.1	+4	N'W	4	pr	46	85	41	9	8	7	6	7-8	9+	3000
16	Sumburgh	17.8	+2	NNW	5	bc	49	65	39	8	8	4	-	4-6	4-6	2000
17	Blacksod Point	21.8	+2	NE'N	5	c	55	65	44	9	8	-	.	7-8	7-8	2500
18	Malin Head	21.0	+2	N	4	bc	50	75	43	8	7	-	1	4-6	4-6	2500
	Aldergrove	19.4	0	NE'E	2	c	58	65	46	8	8	-	-	7-8	7-8	2500
19	Birr Castle	19.3	-4	N	1	c	55	55	40	8	5	1	-	7-8	9+	2500
20	Valentia Obsy.	20.0	-2	NNE	0	c	54	65	43	9	8	-	-	9	9	250
	Roches Point	18.8	-2	N	3	c	55	65	43	9	5	-	-	9	9	2500

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)	16.6	-2	NE'E	3	c	58	55	39	8	5	-	-	9+	9+	2500	0	*
Croydon	16.6	+2	ENE	3	bc	56	55	41	8	3	4	-	4-6	4-6	2500	0	*
S. Farnborough	16.5	+10	NNE	3	bc	60	55	41	8	8	3	-	4-6	4-6	3000	D	*
Boscombe Down	16.7	+2	NE'E	3	c	57	55	42	7	2	6	-	1	7-8	6000	0	*
Thorney Island	15.7	+6	SE'E	3	c	57	75	48	8	9	-	2	7-8	9	4000	0	*
Lympne	17.5	+6	NE	4	bc	53	65	40	9	1	-	2	2-3	4-6	4000	0	§3
Manston	17.1	+6	NE	4	bc	53	92	49	9	1	-	4	2-3	4-6	3000	0	*
Shoeburyness	17.3	+2	ENE	4	c	54	92	53	9	1	3	.	7-8	9	3000	0	*
Felixstowe	17.4	+2	NE	4	c	54	65	43	8	7	-	1	7-8	7-8	2500	0	3
Gorleston	18.2	+4	NE'N	4	bc	53	65	42	7	2	-	1	4-6	4-6	2500	0	3
Mildenhall	18.0	+8	NNE	4	bc	55	85	48	8	7	7	-	2-3	4-6	3000	0	*
Cranwell	18.5	+4	NE'E	3	bc	53	65	41	8	1	-	-	2-3	2-3	2500	0	*
Birmingham	17.5	0	ENE	3	z	56	65	45	6	-	7	.	0	7-8	-	0	*
Upper Heyford	17.2	+4	NE	4	bc	54	65	42	7	8	3	-	4-6	4-6	4000	0	*
Ross-on-Wye	16.9	0	NE'E	3	b	58	55	42	7	-	-	-	0	0	-	0	*
Hartland Point	15.8	-2	NNE	3	c	55	75	48	6	2	7	-	4-6	9	2500	0	3
Bristol	17.3	+2	NE'E	3	c	57	65	46	7	4	3	-	1	9	4000	0	*
Portland Bill	16.0	-2	SE	3	c	56	92	48	8	5	-	-	7-8	7-8	4000	1	3
Plymouth	15.8	+2	SSW	2	c	56	75	48	7	8	6	6	4-6	9	5000	0	3
The Lizard	15.8	+2	NE'E	2	c	55	75	47	8	8	3	-	4-6	7-8	2500	0	3
Scilly (St. Mary's)	15.8	-2	NE'N	5	c	54	85	49	8	8	6	.	4-6	7-8	1500	0	3
Guernsey																	
Pembroke	17.5	+2	NE'N	4	c	55	75	46	8	5	3	.	4-6	7-8	3000	0	2
Holyhead (Valley)	18.2	+4	NNE	4	b	56	75	46	7	1	-	-	Tr	Tr	3500	0	3
Chester (Sealand)	18.2	+2	N	2	z	54	75	47	6	5	9	.	4-6	9+	5000	0	*
Manchester	18.0	0	NE	1	c/pr	55	65	44	5	2	3	.	4-6	7-8	2500	0	*
Spurn Head	19.3	+2	N'E	4	bc	52	65	41	7	4	-	-	2-3	2-3	4000	0	3
Catterick	19.6	+4	NE	2	bc	51	65	48	7	5	-	-	4-6	4-6	3000	0	*
Tynemouth	20.0	-2	NNE	4	bc	49	97	49	8	2	-	.	2-3	2-3	2600	0	3
St. Abbs Head	19.3	+2	NNW	1	c	48	85	41	9	5	4	-	7-8	7-8	3000	0	1
Leuchars	19.3	-2	E	2	bc	52	75	45	9	2	6	9	2-3	4-6	3500	1	*
Renfrew (Abbots I.)	18.5	-4	N'E	1	c	59	45	45	9	5	4	2	7-8	9+	3500	0	*
Eskdalemuir	18.3	-2	N'E	1	c	54	45	43	8	5	-	1	4-6	7-8	2800	1	*
Point of Ayre	19.2	0	NNW	2	bc	57	65	47	8	2	4	-	1	4-6	3000	0	2
Tiree	21.7	-2	N	3	b	50	75	42	9	1	-	5	Tr	Tr	3500	0	4
Stornoway	22.4	-8	NW	3	c	49	75	42	8	5	7	-	4-6	9+	2500	1	3
Dalwhinnie	20.5	-2	NNE	3	c	49	55	45	8	7	-	5	7-8	7-8	2500	0	*
Aberdeen	19.4	-2	N'W	4	c	51	65	40	8	8	-	-	7-8	7-8	2100	1	3
Wick	20.1	+2	NNW	4	c	47	75	38	9	8	-	-	7-8	7-8	3500	1	*
Sumburgh	17.8	0	NW'N	4	ir	46	75	37	8	5	-	-	10	10	2000	0	3
Blacksod Point	21.5	0	NNE	5	c	52	65	41	8	8	-	-	9	9	2500	0	4
Malin Head	21.4	+2	N	4	bc	50	65	39	8	7	-	-	2-3	2-3	2500	0	4
Aldergrove	19.7	+4	NE'E	1	c	55	65	44	8	8	-	-	7-8	7-8	2000	0	*
Birr Castle	18.7	-4	N	1	c	57	65	45	8	5	-	.	7-8	7-8	2500	0	*
Valentia Obsy.	19.4	-6	NNE	4	c	53	65	42	9	8	-	-	9+	9+	4000	0	3
Roches Point	18.4	-4	S	1	c	54	65	43	9	5	-	.	7-8	7-8	2500	0	2

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)	bccy	cy	cbcy	bcz
Croydon	bcc	cybcy	bcybm	bmwbc
S. Farnborough	bccbcy	bccbcy	bcbz	bzwb
Boscombe Down	bcycy	bcycy	bcycb	b
Thorney Island	bbcy	bcyc	bcb	bmbcc
Lympne	bccbc	bcybc	bcbw	bwcid
Manston	bccbcv	bbcv	bcbvbc	bc
Shoeburyness	bcvcv	cvbcc	bcb	bbcwv
Felixstowe	b	cpbcbc	bcc	cbcwbcc
Gorleston	bc	bc	bc	bc
Mildenhall	ccy	cybcy	bxfg	bxmbbc
Cranwell	cmpsc	cpscb	b	bmb
Birmingham	cz	cz	bmwl	cz
Upper Heyford	cbcc	cy cbc	bbw	bwbbm
Ross-on-Wye	c	cybcb	bbcb	bbc
Hartland Point	c	c	cbc	cbc
Bristol	cmbcz	cyc	b	bwbc
Portland Bill	c	c	c	bc
Plymouth	c	byc	bcm	bcmcm
The Lizard	bccbc	bcc	c	c
Scilly (St. Mary's)	cbc	cbcc	c	c
Guernsey				
Pembroke	bc	bcc	cbc	bcbzw
Holyhead (Valley)	bcwbc	bc	b	bwfg
Chester (Sealand)	cmpr	cz	czbmw	bmx
Manchester	cmzm	cpsz	bz	bcbm
Spurn Head	c	bc	b	b
Catterick	bccmzc	cbcymzc	bbcm	
Tynemouth	bc	bc	bc	
St. Abbs Head	cbcc	cbc	cbcbc	
Leuchars	cycpsc	cpsc	bc	cw
Renfrew (Abbots I.)	vbccy	cy	bbc	bccmzw
Eskdalemuir	cpsc	vcbcy		b
Point of Ayre	bbc	bcbbc	b cb	bbcb
Tiree	bc	bc	bcb	cbc
Stornoway	cpr	cy	c	m
Dalwhinnie	cy	cy		cy
Aberdeen	bccpr	cbcc	cbcb	bbccw
Wick	bccpsc	psc	c	c
Sumburgh	bcprbc	bccigc	cmmc	csmgc
Blacksod Point	c	c	bc	bc
Malin Head	bc	bc	bc	c
Aldergrove	cbcc	bcyc	cbcbbw	bfgwb
Birr Castle	c	c		bc
Valentia Obsy.	bc	pr	c	bc
Roches Point	c	c	bc	b

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

Districts	Forecast
1 S.E. England; 2 E. England	Light Northeast to variable winds; fair with some bright intervals; cool.
3 E. Midlands; 4 W. Midlands	Moderate or fresh Easterly winds, decreasing; fair, with some bright intervals; cool.
5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands	Light variable to Northwest winds; fair, with some bright periods; cool.
10 N.E. England; 11 S.E. Scotland	Light to moderate Northwest wind, veering north; fair at first, local rain later; cool.
12 S.W. Scotland & Isle of Man; 13A W. Scotland	Light to moderate Northwest wind, veering north; fair; cool.
13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate West wind veering North; occasional rain at first, local showers and bright intervals later; cool.
16 Orkneys and Shetlands	Moderate North winds; local showers and bright intervals; cool.
17 N.W. Ireland; 18 N.E. Ireland	As 10-11.
19 S.E. Ireland; 20 S.W. Ireland	As 1-4.

GENERAL INFERENCE

An anticyclone persists to West and Northwest of the British Isles with a ridge of high pressure across the Midlands. A small disturbance near Shetland is moving Southeast into the North Sea, and a feeble trough will move in over Scotland. Over most of England, Wales and Ireland, weather will be fair or fine and day temperatures will tend to be a little higher than of late. There will be a little light occasional rain in North and East Scotland and later in Northeast England.

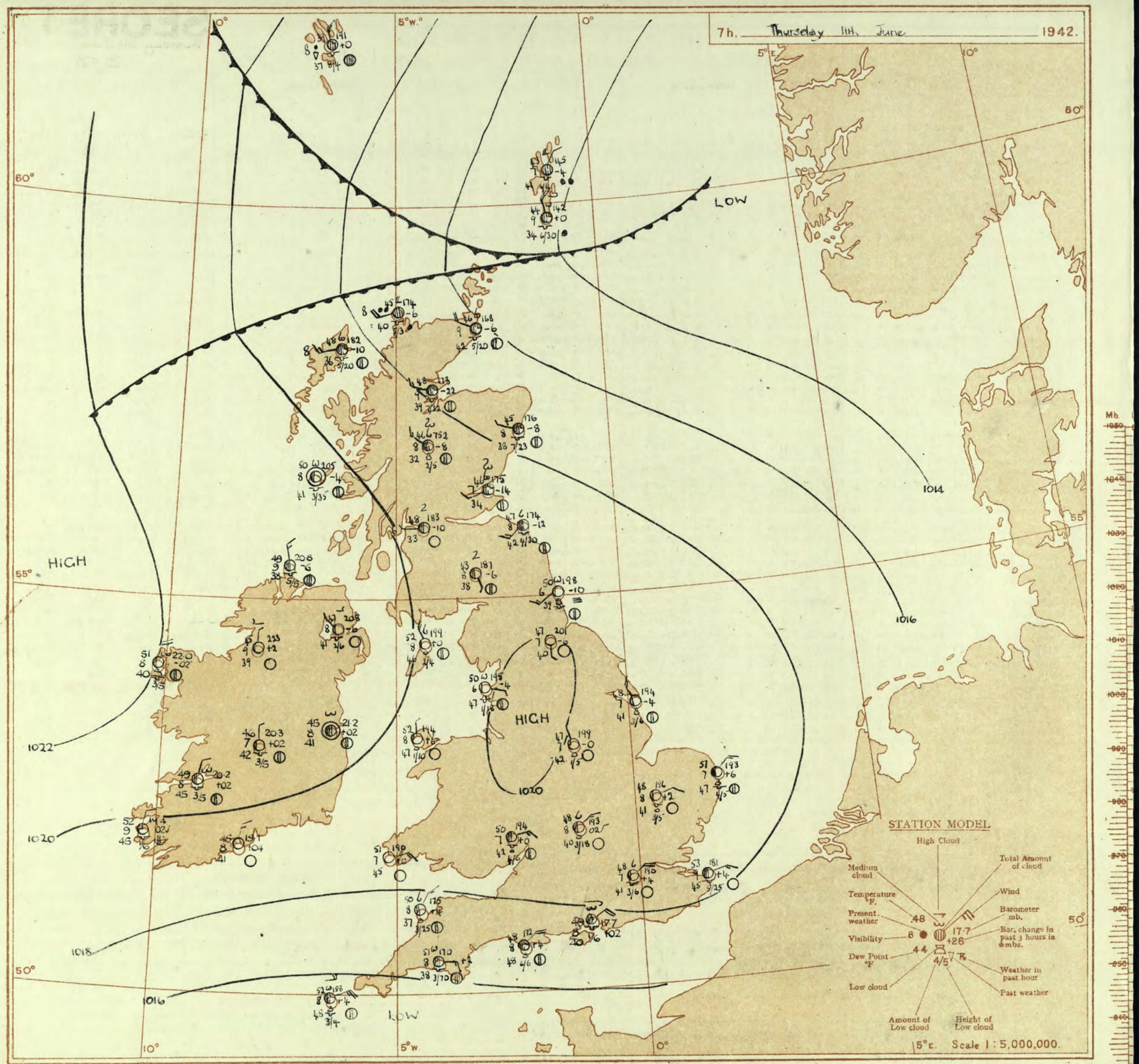
FURTHER OUTLOOK

Continuing cool but mainly fair.

Forecasts issued at 10.30

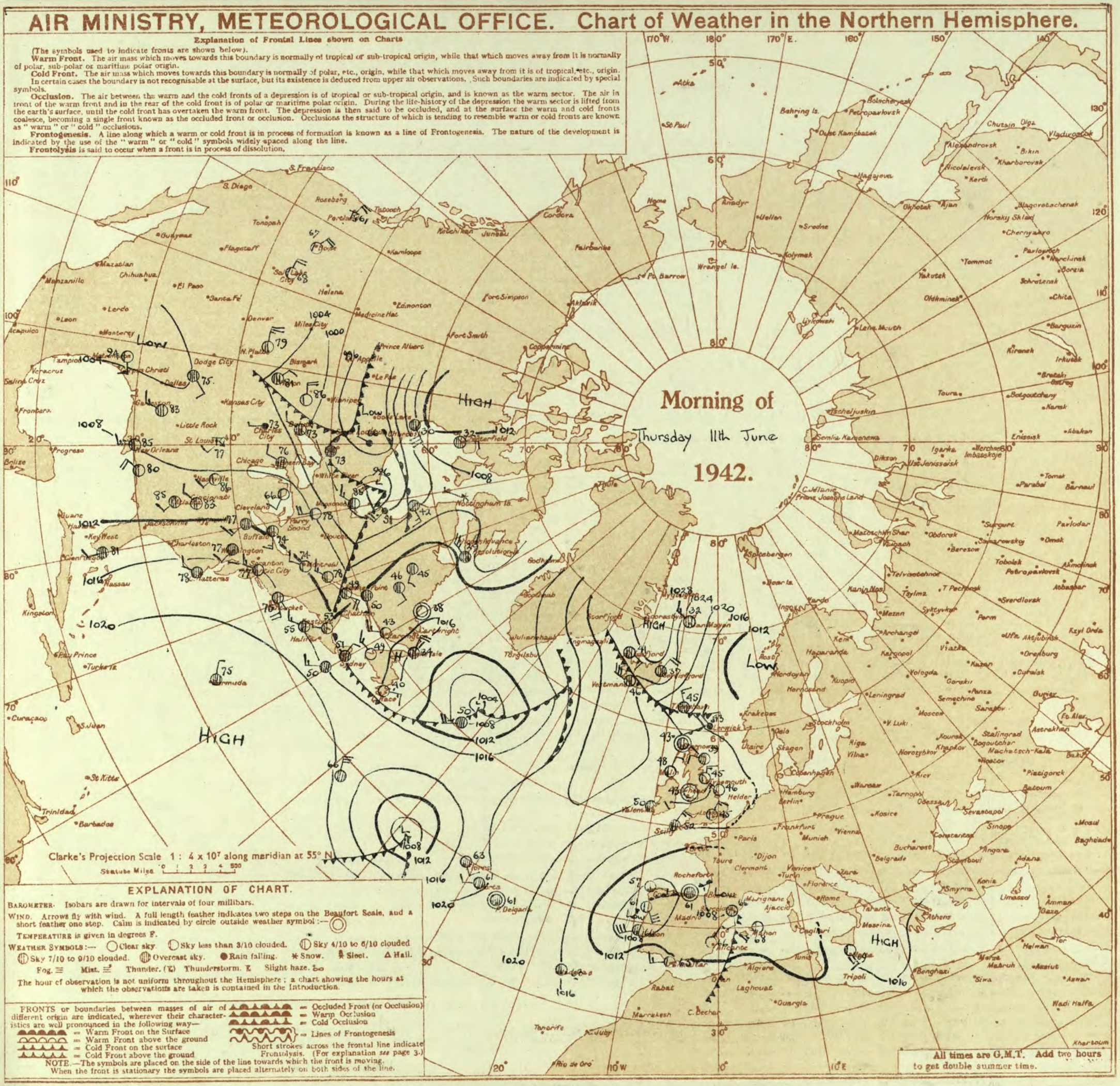
N. K. JOHNSON, D.Sc., A.R.C.S., Director.

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



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

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Thursday 14th June 1942

No. 29,421

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	*	*	*	*	*	45	*	*	*	*	*	*	*	*	*
	Croydon	290	18.6	+6	NE	3	b	45	85	41	6	-	4	-	0	Tr	-
	S. Farnborough	226	18.7	+10	NNE	3	z	46	75	37	6	-	-	-	0	0	-
	Boscombe Down	417	18.8	+10	ENE	3	bc	46	75	38	8	-	-	2	0	2-3	-
	Thorney Island	10	17.5	+6	NE	2	b	49	92	47	6	-	3	-	0	Tr	-
	Lympne	283	18.5	0	NE	2	b	48	92	41	8	5	-	-	Tr	Tr	3000
	Manston	154	18.1	0	NE'N	3	bc	49	85	45	8	5	-	1	2-3	2-3	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	18.5	+2	N	2	c	45	85	40	8	5	-	-	9	9	2900
	Gorleston	5	18.9	+2	NE'N	3	bc	49	85	45	7	8	-	-	2-3	2-3	1500
	Mildenhall	15	19.3	-2	N	2	fg	37	97	36	7	5	-	-	Tr	Tr	4000
	Cranwell	203	20.0	+2	N	2	bg	42	92	40	7	-	4	-	0	Tr	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20.3	+12	NE	2	bc	41	85	38	8	-	-	6	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17.5	+10	NE	3	b	52	65	41	7	-	-	-	0	0	-
	Bristol	209	19.6	+8	ESE	1	b	45	85	40	7	5	-	-	1	1	2500
	Portland Bill	32	17.9	+14	E	4	c	53	92	51	8	5	-	-	7-8	7-8	2500
	Plymouth	82	17.3	+10	E	1	bc	49	85	46	6	5	-	6	2-3	4-6	4000
	The Lizard	240	16.8	+6	ENE	3	c	52	85	48	8	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	163	16.3	+2	NE'E	3	c	52	92	49	6	5	7	-	7-8	10	1500
	Guernsey	175															
6	Pembroke	142	18.9	+6	ENE	3	bc	51	85	47	7	5	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	19.3	+6	-	0	b	43	92	41	6	-	-	-	0	0	-
	Chester (Sealand)	16	20.1	+10	-	0	m	44	92	42	4	-	-	-	0	0	-
8	Manchester	235	20.1	+6	-	0	z	42	92	44	6	5	-	-	4-6	4-6	2500
10	Spurn Head	29	19.8	0	NNW	3	b	46	85	42	7	1	-	-	1	1	4000
	Catterick	175	21.0	+4	-	0	z	37	97	36	6	5	-	-	4-6	4-6	2500
	Tynemouth	108	21.0	+2	N	3	bc	45	85	39	7	-	4	-	0	2-3	-
11	St. Abbs Head	280	19.8	+2	-	0	bc	44	92	42	7	4	4	-	2-3	4-6	2500
	Leuchars	36	20.0	-2	-	0	bc	41	97	40	8	-	-	9	0	4-6	-
12	Renfrew (Abbots I.)	19	19.4	0	NE	1	z	46	85	41	6	5	-	2	2-3	2-3	3500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	19.9	+4	N'W	2	b	50	85	47	8	4	-	-	1	1	4000
13A	Tiree	22	21.5	-2	N	1	bc	46	75	39	8	5	4	5	1	2-3	3500
13B	Stornoway	80	21.4	-6	-	0	c	43	97	43	7	5	7	-	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	19.7	-10	WNW	2	c	39	85	36	9	4	-	6	1	9	6000
	Wick	114	18.7	-10	WNW	2	c	43	85	39	8	5	-	-	9+	9+	2500
16	Sumburgh	19	15.7	-10	NNW	3	rs	43	92	40	7	5	-	-	9+	9+	1500
17	Blacksod Point	18	22.4	+2	ENE	3	c	49	75	42	8	5	-	-	7-8	7-8	2500
18	Malin Head	84	21.8	-2	N'E	2	bc	48	65	37	8	5	1	-	2-3	2-3	2500
	Aldergrove	268	21.4	+4	N'W	1	b	40	97	39	7	-	4	1	0	Tr	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	19.8	0	ENE	2	c	50	85	46	9	5	-	-	9+	9+	4000
	Roches Point	22	19.5	+2	ENE	1	b	44	92	42	8	5	-	-	Tr	Tr	4000

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)	18.5	+4	NE	3	z	50	65	39	6	8	-	9	2-3	4-6	2500	0	*
Croydon	19.0	+4	NE	4	bc	48	75	41	7	5	4	-	2-3	4-6	3500	0	*
S. Farnborough	18.8	+4	NE'E	3	bc	49	75	42	8	1	5	1	Tr	2-3	2500	0	*
Boscombe Down	18.8	0	NE	3	bc	49	75	42	8	1	3	-	1	4-6	2000	0	*
Thorney Island	17.7	+2	NE	4	c	49	75	40	8	5	3	1	Tr	7-8	4000	0	*
Lympne	18.5	+2	NE	3	id	49	75	41	8	5	-	1	7-8	7-8	1200	0	§3
Manston	18.1	+4	E'N	3	c	53	75	46	9	5	-	-	7-8	7-8	2500	0	*
Shoeburyness	18.8	+6	NNE	3	c	50	75	42	8	5	-	9	4-6	7-8	3400	0	*
Felixstowe	18.7	+4	NNE	2	c	50	75	41	8	5	-	-	7-8	7-8	2500	0	2
Gorleston	19.3	+6	NNE	3	bc	51	55	37	7	8	-	-	4-6	4-6	2000	0	3
Mildenhall	19.6	+2	ENE	2	bc	48	75	41	8	7	3	-	2-3	2-3	2500	0	*
Cranwell	19.9	0	N'W	2	b	47	55	42	7	1	-	-	Tr	Tr	2200	0	*
Birmingham	20.2	0	ENE	2	z	47	75	40	5	5	-	-	Tr	Tr	1500	0	*
Upper Heyford	19.3	+2	NE	3	bc	48	75	41	8	1	4	-	2-3	4-6	1800	0	*
Ross-on-Wye	19.4	0	E'N	3	bc	50	75	42	7	7	-	-	4-6	4-6	3500	0	*
Hartland Point	17.5	+4	NNE	3	bc	50	65	37	8	2	4	-	2-3	4-6	1500	0	3
Bristol	20.1	+6	NE'E	2	bc	48	85	42	8	1	5	-	Tr	4-6	4000	0	*
Portland Bill	17.2	+4	NE	4	c	48	97	46	8	2	-	-	9	9	4000	1	3
Plymouth	17.0	+2	E	3	c	51	65	38	8	5	3	-	2-3	7-8	7000	0	2
The Lizard	15.4	0	ENE	1	c	56	85	47	8	8	3	-	2-3	7-8	2000	0	4
Scilly (St. Mary's)	15.8	+4	ENE	5	bc	52	85	48	8	8	3	2	2-3	7-8	1500	0	3
Guernsey																	
Pembroke	19.0	0	E'N	3	b	51	75	45	7	-	-	-	0	0	-	0	2
Holyhead (Valley)	19.4	+6	N	2	b	52	85	47	8	1	-	-	Tr	Tr	1000	0	2
Chester (Sealand)	19.6	-2	SE	1	b	49	85	44	6	1	4	-	Tr	1	3000	0	*
Manchester	19.9	-2	-	0	z	47	75	39	5	-	-	-	0	0	-	0	*
Spurn Head	19.4	-4	NNW	3	bc	48	75	41	7	2	-	-	2-3	2-3	4000	0	2
Catterick	20.1	-6	S	1	b	47	75	40	7	-	-	-	0	0	-	0	*
Tynemouth	19.8	-10	SW	3	bc/a	50	65	39	6	-	3	-	0	2-3	-	0	2
St. Abbs Head	17.4	-12	SW	3	c	47	85	42	8	5	4	-	4-6	7-8	3000	0	2
Leuchars	17.5	-14	SW	2	c	46	75	39	7	-	7	9	0	9	-	0	*
Renfrew (Abbots I.)	18.3	-10	W	1	z	48	85	43	6	-	-	6	0	7-8	-	0	*
Eskdalemuir	18.7	-6	SSE	1	bc	43	85	38	8	-	-	6	0	4-6	-	1	*
Point of Ayre	19.9	0	NNW	3	bc	52	85	36	8	1	4	5	1	2-3	1800	0	3
Tiree	20.5	-4	-	0	bc	50	75	41	8	5	3	-	2-3	4-6	3500	0	2
Stornoway	18.2	-10	WSW	3	c	48	85	46	8	5	7	-	7-8	9+	2000	1	2
Dalwhinnie	18.5	-8	NW	3	c	46	55	32	8	2	4	9	1	7-8	2500	1	*
Aberdeen †	17.6	-8	W'N	1	c	45	75	38	8	5	-	-	9+	9+	2300	1	3
Wick	16.8	-6	WNW	4	c	46	85	42	9	5	7	-	7-8	9+	2000	0	*
Sumburgh	14.5	-4	N'E	2	s/d	43	92	41	7	5	2	-	9	10	1800	1	4
Blacksod Point	22.0	-2	N'E	4	bc	51	65	40	8	8	3	5	2-3	4-6	2500	0	4
Malin Head	20.8	-6	N'W	3	c	49	65	38	9	5	-	-	7-8	7-8	2500	0	2
Aldergrove	20.8	-6	NW'N	1	bc	47	85	41	8	5	-	8	1	2-3	3000	0	*
Birr Castle	20.3	+2	N	1	bc	46	85	42	7	5	-	-	2-3	2-3	2500	0	*
Valentia Obsy.	19.4	+2	NNE	2	b	52	75	45	9	5	-	-	Tr	Tr	4000	0	2
Roches Point	19.1	+4	NNE	3	b	45	85	41	8	-	-	-	0	0	-	0	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine (Day) Hrs. (38)
London (Kew)	59	43	35	-	-	6.7
Croydon	59	42	38	-	-	8.9
S. Farnborough	61	41	33	-	-	10.9
Boscombe Down	61	39	35	-	-	6.8
Thorney Island	63	42	36	-	-	*
Lympne	58	42	*	-	Tr	10.9
Manston	57	47	43	-	-	8.0
Shoeburyness	59	41	35	-	-	9.7
Felixstowe	59	40	37	Tr	-	8.2
Gorleston	56	43	38	-	-	11.5
Mildenhall	60	37	23	-	Tr	10.3
Cranwell	56	40	28	Tr	-	2.5
Birmingham	60	43	30	-	-	2.9
Upper Heyford	59	38	35	-	-	*
Ross-on-Wye	60	43	34	-	-	5.1
Hartland Point	58	48	46	-	-	4.0
Bristol	63	39	27	-	-	4.5
Portland Bill	57	47	*	-	-	*
Plymouth	61	48	47	-	-	3.5
The Lizard	61	50	*	-	-	10.4
Scilly (St. Mary's)	58	51	*	-	-	6.1
Guernsey						
Pembroke	58	42	*	-	-	8.5
Holyhead (Valley)	58	41	31	-	-	*
Chester (Sealand)	55	40	*	0.2	-	0.7
Manchester	58	40	32	Tr	-	*
Spurn Head	56	45	*	-	-	10.9
Catterick	56	36	27	-	-	5.5
Tynemouth	51	43	41	-	-	*
St. Abbs Head	52	42	*	-	-	*
Leuchars	58	38	34	0.6	0.4	8.4
Renfrew (Abbots I.)	61	38	33	-	-	5.8
Eskdalemuir	56	32	*	Tr	-	3.5
Point of Ayre	59	45	*	-	-	13.5
Tiree	52	46	*	-	-	16.3
Stornoway	52	42	*	Tr	-	9.2
Dalwhinnie	52	32	24	-	-	5.6
Aberdeen †	53	39	30	Tr	-	8.8
Wick	50	41	40	Tr	Tr	*
Sumburgh	50	42	40	-	3	5.0
Blacksod Point	56	48	*	-	-	*
Malin Head	52	47		-	-	10.2
Aldergrove	59	37	30	-	-	7.8
Birr Castle	58	38	32	-	-	2.8
Valentia Obsy.	55	47	42	Tr	Tr	4.9
Roches Point	56	44	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 10th June IIIC_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 86	02863	62484	5-	02868	29228	52	64655	26428	57	61834	27368
115 83	81844	30386	52	02844	28387	52	02844	24427	52	62835	22468
203			80	01953	04323	5-	02948	04428			
208 85	25957	32187	8-	02964	30324	53	01964	28114	5-	02967	26317
210 8-	25844	30387	46	01963	30384	57	02864	23316	59	02963	20326
220 70	01955	02415	00	02956	01516	50	01954	04314	81	25746	23388
230 50	01963	30204	10	01962	24112	5-	01962	24313	53	02952	25315
245 26	25965	31386	86	01964	20215	44	01961	00015	07	02990	24117
260 53	02864	09116	5-	02775	05125	50	01763	04113	00	01790	26215
278 86	81856	04287	86	01953	30383	04	01890	26303	10	01943	26415
279 23	02863	02325	8-	02866	24226	50	00861	02201	50	05661	00013
285 13	02854	32316							10	00852	26302
288 5-	02777	01427	14	01863	03314	5-	05656	19116	53	05664	17214
575 70	01854	02324	7-	02865	04315	50	00861	02211	00	01990	32103
301 9-	02756	08226	26	02851	32315	40	05663	10123	43	05661	10113
321 80	02860	06365	87	02865	03416	50	00761	00021	00	05590	25110
299 33	01853	32214	50	01864	32314	80	01763	32---	84	01754	32214
292 81	02857	30228	83	02864	32325	53	00762	27103	53	05651	00002
310									--	01643	04213
614 57	05664	02728	76	05664	06225	00	00790	00010	10	05651	32101

13h. G.M.T. 10th June IIIC_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
333 5-	01884	28314	13	01753	31315	00	00690	32100	00	00790	28100
334 --	05546	02217							--	04309	00018
340 8-	02-58	08328	23	05653	0-226	50	05664	12214	10	00761	12101
336 2-	02855	32315	10	01952	03414	50	01842	02212			
336 70	01766	08316	13	01753	08314				50	05642	08312
350 8-	02858	04328	27	01853	02425	07	00790	02211	17	05643	03413
368 23	02652	04317	50	02675	05325	00	08490	04200			
379 8-	25857	03387	83	01764	04315	00	00790	04200	17	01843	04304
390 7-	02754	-----	26	02854	03325				14	01753	02304
382 23	02854	06325	26	00862	17658	03	00890	03202	10	01753	03204
438 14	02864	06415	87	01863	06514	00	00790	32400	50	02865	04415
430 10	01865	03425	80	02767	04427				57	02762	02416
409 8-	02778	02328	52	05774	02327	50	05663	05314	03	01890	09315

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	bccy	cy	cbcyez
Croydon	bcc	cybcy	bcmowbc
Greenwich	cy	cy	cbbcy
Camden Square	b	c	*
Kensington	bc	bcc	*
Hampstead	bc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0.1 Time 2–7h 11th
Min. <0.1 Time 16–24h 10th

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	59	43	35	-	-	6.7	*	*
Croydon	59	42	38	-	-	8.9	*	*
Greenwich	59	42	33	-	-	5.6	55	52
Westminster	59	44	42	-			71	74
Regents Park	61	42	35	-	-		53	57
Camden Square	60	42	36	-	-	*	*	66
Kensington	61	43	39	-	-		53	58
Hampstead	58	40	38	-	-		*	59

BRITISH SECTION

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

SECRET

Friday 12th June 1942

No. 29422

OBSERVATIONS at 13h. G.M.T. Thursday 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)	16·3	−12	NE	3	c	59	45	35	8	1	5	–	2-3	7-8	2500
	Croydon ...	17·0	−14	NE	3	bc	58	45	40	8	4	4	–	2-3	4-6	2600
	S. Farnborough	16·2	−14	NE	3	bc	60	45	37	8	1	–	1	2-3	4-6	5000
	Boscombe Down	16·6	−14	E'N	3	bc	61	45	39	8	1	3	–	2-3	4-6	3000
	Thorney Island	16·0	−10	E	3	c	61	65	51	8	4	4	1	7-8	9	5700
	Lympne ...	17·7	−2	NE	3	c	55	55	41	9	1	–	3	7-8	7-8	4000
	Manston ...	17·4	−2	ENE	4	bc	55	75	47	8	5	3	–	2-3	4-6	3000
2	Shoeburyness ...	17·6	−8	E'N	4	bc	56	55	42	9	1	3	–	4-6	4-6	3500
	Felixstowe ...	17·9	−6	E'N	4	bc	57	55	40	8	7	3	–	2-3	2-3	4000
	Gorleston ...	18·7	−6	NE	3	bc	52	55	36	8	1	–	–	2-3	2-3	3000
	Mildenhall ...	17·4	−18	N'E	2	bc	60	35	35	9	7	7	–	2-3	2-3	2800
	Cranwell ...	17·5	−18	ENE	2	c	57	55	41	8	7	–	–	7-8	9	3500
3	Birmingham ...	17·2	−10	E	3	c	58	45	38	8	8	–	–	7-8	7-8	4000
	Upper Heyford	17·2	−12	NE'N	4	bc	58	45	38	8	1	4	5	2-3	4-6	3500
4	Ross-on-Wye	17·1	−16	ENE	3	bc	57	55	39	8	1	–	–	4-6	4-6	4000
5	Hartland Point	15·9	−10	NE	4	bc	56	45	35	8	1	–	3	2-3	4-6	4000
	Bristol ...	17·1	−16	NE	4	bc	60	55	43	8	1	4	1	4-6	4-6	4500
	Portland Bill ...	16·2	−10	ENE	4	c	56	92	54	8	2	4	–	4-6	9	4000
	Plymouth ...	14·8	−12	E'N	5	c	58	55	41	8	1	7	–	1	7-8	3000
	The Lizard ...	13·7	−8	ENE	5	c	55	65	45	8	8	2	–	9	10	2000
	Scilly (St. Mary's)	13·7	−12	ENE	5	c	59	65	46	8	8	7	3	2-3	9	1500
	Guernsey ...															
6	Pembroke ...	16·3	−22	ENE	3	c	56	65	46	7	8	–	–	7-8	7-8	3000
7	Holyhead (Valley)	17·7	−10	NNW	3	b	56	65	45	8	2	–	–	1	1	3000
	Chester (Sealand)	17·1	−18	NW'W	2	c	61	45	43	7	8	–	–	7-8	7-8	4000
8	Manchester ...	16·7	−22	–	0	c	61	55	42	6	6	2	–	4-6	7-8	4000
10	Spurn Head ...	18·3	−10	SE'E	2	b	53	65	43	7	2	–	–	1	1	4000
	Catterick ...	16·3	−20	S'W	2	c	62	45	39	7	5	7	–	7-8	9+	3000
	Tynemouth ...	16·8	−24	SE	3	c	53	75	45	6	8	–	–	7-8	7-8	2700
11	St. Abbs Head	15·4	−14	ESE	1	bc	55	85	51	7	2	2	–	4-6	4-6	4000
	Leuchars ...	14·6	−18	E	2	c	60	55	42	8	8	6	1	7-8	7-8	3500
12	Renfrew (Abbots I.)	16·0	−16	NW'W	4	bc	58	55	41	9	2	1	1	2-3	4-6	3500
	Eskdalemuir ...	15·0	−18	S'W	2	c	60	55	44	8	7	4	9	7-8	7-8	2800
	Point of Ayre ...	18·2	−10	NW'N	3	bc	56	65	46	8	1	–	4	Tr	2-3	3000
13A	Tiree	18·8	−6	N'W	2	c	54	85	49	8	5	–	–	9	9	2500
13B	Stornoway ...	16·9	−6	NE	3	pr	49	97	49	8	8	7	–	7-8	10	2000
15	Dalwhinnie ...	15·7	−2	NNW	2	pr	50	65	39	8	5	–	–	9+	9+	2500
	Aberdeen ...	15·6	−10	NNW	3	cfo	53	65	42	7	1	7	–	7-8	9+	2500
	Wick ...	16·3	+6	N'W	2	c/r	47	85	42	8	5	7	–	7-8	10	1800
16	Sumburgh ...	14·3	−2	NW	3	c/pr	47	75	39	9	8	2	–	9	10	2000
17	Blacksod Point	20·9	−10	N	4	c	54	65	43	8	8	–	–	9	9	2500
18	Malin Head ...	18·8	−14	W'N	5	c	52	75	44	8	5	2	–	4-6	7-8	2500
	Aldergrove ...	18·6	−14	NW	3	bc	47	55	33	9	7	5	–	2-3	4-6	3500
19	Birr Castle ...	18·3	−14	NNE	2	c	61	55	46	7	4	–	–	7-8	7-8	2500
20	Valentia Obsy.	18·0	−14	N'E	5	b	59	65	48	9	1	–	–	Tr	Tr	2500
	Roches Point	17·3	−14	E	4	bc	58	85	54	8	1	–	–	2-3	2-3	4000

OBSERVATIONS at 18h. G.M.T. Thursday 11th 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)	13·7	−12	ESE	3	c	58	55	41	8	–	–	4	0	7-8	–	0	*
	Croydon ...	14·1	−14	NE'E	4	c	56	55	42	8	–	–	6	0	9	–	0	*
	S. Farnborough	13·0	−10	E	3	c	58	55	41	8	–	–	8	0	9+	–	0	*
	Boscombe Down	12·9	−16	NE'E	3	c	60	45	38	7	–	7	–	0	10	–	0	*
	Thorney Island	13·0	−10	E'N	3	c	60	55	43	9	1	4	7	Tr	10	8000	0	*
	Lympne ...	14·9	−14	NE	4	c	51	65	41	9	–	7	2	0	9	–	0	§3
	Manston ...	14·5	−16	NE'E	4	c	52	85	47	9	–	–	6	0	10	–	0	*
2	Shoeburyness ...	15·4	−14	NE	4	c	54	65	41	8	–	7	6	0	7-8	–	0	*
	Felixstowe ...	15·0	−10	ENE	3	bc	53	55	38	8	–	–	6	0	4-6	–	0	2
	Gorleston ...	16·6	−20	E	2	bc	52	55	38	8	–	4	–	0	2-3	–	0	3
	Mildenhall ...	14·4	−22	E'N	3	bc	61	35	34	8	1	4	1	Tr	2-3	2500	0	*
	Cranwell ...	14·5	−22	SE'E	4	bc	56	55	39	8	–	1	5	0	4-6	–	0	*
3	Birmingham ...	13·9	−16	E	2	bc	59	45	39	8	–	–	1	0	2-3	–	0	*
	Upper Heyford	13·6	−14	NE	4	c	59	45	37	8	–	7	6	0	7-8	–	0	*
4	Ross-on-Wye	13·5	−16	ENE	3	bc	60	45	38	8	–	–	4	0	4-6	–	0	*
5	Hartland Point	11·7	−16	ENE	4	c	57	55	40	8	5	–	–	9	9	3000	0	4
	Bristol ...	13·9	−18	E'N	3	c	59	55	42	8	–	5	–	0	9+	–	0	*
	Portland Bill ...	12·4	−12	E	4	fo	54	92	52	7	5	–	–	10	10	2500	1	3
	Plymouth ...	11·3	−18	E'S	3	rr	55	75	45	8	5	2	–	2-3	10	4000	1	3
	The Lizard ...	10·7	−14	ENE	5	rr	51	92	49	6	8	2	–	9	10	1500	1	4
	Scilly (St. Mary's)	11·9	−6	ENE	3	fo	52	85	48	7	5	7	–	7-8	10	1200	1	4
	Guernsey ...																	
6	Pembroke ...	13·9	−14	NNE	5	c	57	65	46	7	8	–	–	7-8	7-8	3500	0	2
7	Holyhead (Valley)	14·9	−20	N'W	3	b	56	55	41	8	–	–	5	0	1	–	0	2
	Chester (Sealand)	14·8	−16	NW'W	3	b	56	65	45	7	–	–	–	0	0	–	0	*
8	Manchester ...	13·8	−26	NW'W	3	c	57	65	44	6	4	6	–	4-6	7-8	4000	0	*
10	Spurn Head ...	15·6	−24	SE'E	4	bc	52	65	42	7	–	3	–	0	2-3	–	0	3
	Catterick ...	13·3	−18	W	2	zo	63	45	39	6	8	3	–	7-8	7-8	5000	0	*
	Tynemouth ...	14·2	−14	SSE	4	c	54	75	47	7	8	3	–	4-6	7-8	2200	0	3
11	St. Abbs Head	12·6	−4	NE	2	c	50	97	49	7	5	–	–	9	9	3000	0	3
	Leuchars ...	14·1	−2	ESE	3	c	54	75	46	7	7	5	9	4-6	9	4000	0	*
12	Renfrew (Abbots I.)	13·9	−14	NW'W	3	c	57	65	44	9	7	–	–	9+	9+	3000	0	*
	Eskdalemuir ...	12·7	−10	WNW	3	bc	58	55	42	8	7	4	–	2-3	2-3	3200	1	*
	Point of Ayre ...	15·5	−16	NNW	4	b	56	75	48	8	1	–	5	Tr	1	4500	0	3
13A	Tiree	17·5	−6	N'W	4	c	51	85	47	8	5	3	–	4-6	7-8	2500	0	4
13B	Stornoway ...	17·9	−2	N	5	c	47	85	43	8	5	7	–	4-6	9	2500	1	3
15	Dalwhinnie ...	15·1	−10	NNE	2	if	46	32	44	6	5	–	–	10	10	1500	1	*
	Aberdeen ...	14·7	0	N'E	3	cfo	48	85	45	8	2	7	–	7-8	10	2500	1	2
	Wick ...	15·9	−2	NNW	3	pr	45	75	38	9	2	2	–	4-6	10	2500	1	*
16	Sumburgh ...	14·0	0	NW'N	4	cfo	44	85	40	8	5	2	–	4-6	10	2000	0	3
17	Blacksod Point	18·6	−18	N'W	4	c	54	85	50	8	5	–	–	10	10	1500	0	3
18	Malin Head ...	17·2	−6	N'W	4	c	52	85	48	8	8	2	–	4-6	9	1500	0	3
	Aldergrove ...	17·3	−14	NW'N	3	cfo	53	75	44	8	5	–	–	9+	9+	1800	1	*
19	Birr Castle ...	15·6	−16	N	2	c	61	55	46	7	4	–	–	7-8	7-8	2500	0	*
20	Valentia Obsy.	15·9	−10	NNE	5	b	57	75	49	8	1	–	–	Tr	Tr	2500	0	4
	Roches Point	14·7	−18	SE	3	bc	57	75	49	8	1	–	–	2-3	2-3	4000	0	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 11th (39)	Weather. 13h.—18h. 11th (40)	Weather. 18h. 11th to 1h. 12th (41)	Weather. 1h.—7h. 12th (42)
1	London (Kew)	bczy	bcy	cfo	cfoc
	Croydon ...	cybcy	bcy ⊕	cfo	fomoifo
	S. Farnborough	bcybbc	bcy	cyfomo	cfofmo
	Boscombe Down	bcy	bcycy	ccifo	cfoifo
	Thorney Island	cbccy	cy	cf	cffcifo
	Lympne ...	cdobcvy	bcycv	cifoc	cifofofo
	Manston ...	cbc	bcc	cbccifo	cifofofo
2	Shoeburyness ...	cybc	bcyc	c	cifoc
	Felixstowe ...	cybcyby	bybcy	bcyc	c
	Gorleston ...	bcy	bcy	bcc	c
	Mildenhall ...	cybcy	bcyby	bcc	ccifo
	Cranwell ...	bcy	bcb	bbc	c
3	Birmingham ...	bbcb	cby	bbc	bcc2
	Upper Heyford	bcbcy	bcy	cyc	cm
4	Ross-on-Wye	bcbbc	bcy	c	c
5	Hartland Point	bcy	bccy	cyc	cifo
	Bristol ...	bccbc	bcycy	cyic	cfofoc
	Portland Bill ...	c	corr	orr	orro
	Plymouth ...	bcy	cycrr	cfofocmo	cmoc
	The Lizard ...	bcc	cprrr	cqpr	cidd
	Scilly (St. Mary's)	c	cfofr	cffofo	cifofr
	Guernsey ...				
6	Pembroke ...	bcc	c	c	c
7	Holyhead (Valley)	b	by	bwbcw	bcwc
	Chester (Sealand)	moy	bcby	bcbwmoc	cmow
8	Manchester ...	bbc	czoy	cbzo	bcmocm
10	Spurn Head ...	b	bc	b	c
	Catterick ...	bbcyc	cycmoy	bc	cmo
	Tynemouth ...	c	cbcc	cbcc	c
11	St. Abbs Head	cbc	cmo	cmoc	cfoor
	Leuchars ...	cbycy	cmoc	rmodofomofofomocfofo	
12	Renfrew (Abbots I.)	cmocbcy	bccy	cfofo	cmofofo
	Eskdalemuir ...	bcwcy	cbcy	bbcc	cifo
	Point of Ayre ...	bcbbc	bcb	bcbw	bbcc
13A	Tiree	c	cir	bc	bc
13B	Stornoway ...	repr	cpr	cpr	cpr
15	Dalwhinnie ...	cpfo	cifo		oirbc
	Aberdeen ...	bcycfo	cifo	cfofoc	bcc
	Wick ...	cfofoc	ccpfo	bc	bc
16	Sumburgh ...	cpfoc	cifo	cifofofofo	ciforrc
17	Blacksod Point	c	c	c	c
18	Malin Head ...	c	r	pr	bc
	Aldergrove ...	bcy	bcc,ido	ccido	cidocbc
19	Birr Castle ...	c	c		c
20	Valentia Obsy.	b	b	b	pr
	Roches Point	b	bc	c	

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate East or Northeast wind, becoming variable, light; cloudy with occasional rain, perhaps local thunderstorms later; becoming less cool, but close.
4 W. Midlands 5 S.W. England	Light or moderate Easterly winds; cloudy; occasional rain spreading from South: cool.
6 South Wales	As 1
7 North Wales	As 2-4
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 Northeast or North winds; local rain or showers; some bright intervals: cool.
16 Orkneys and Shetlands 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 8-15

GENERAL INFERENCE

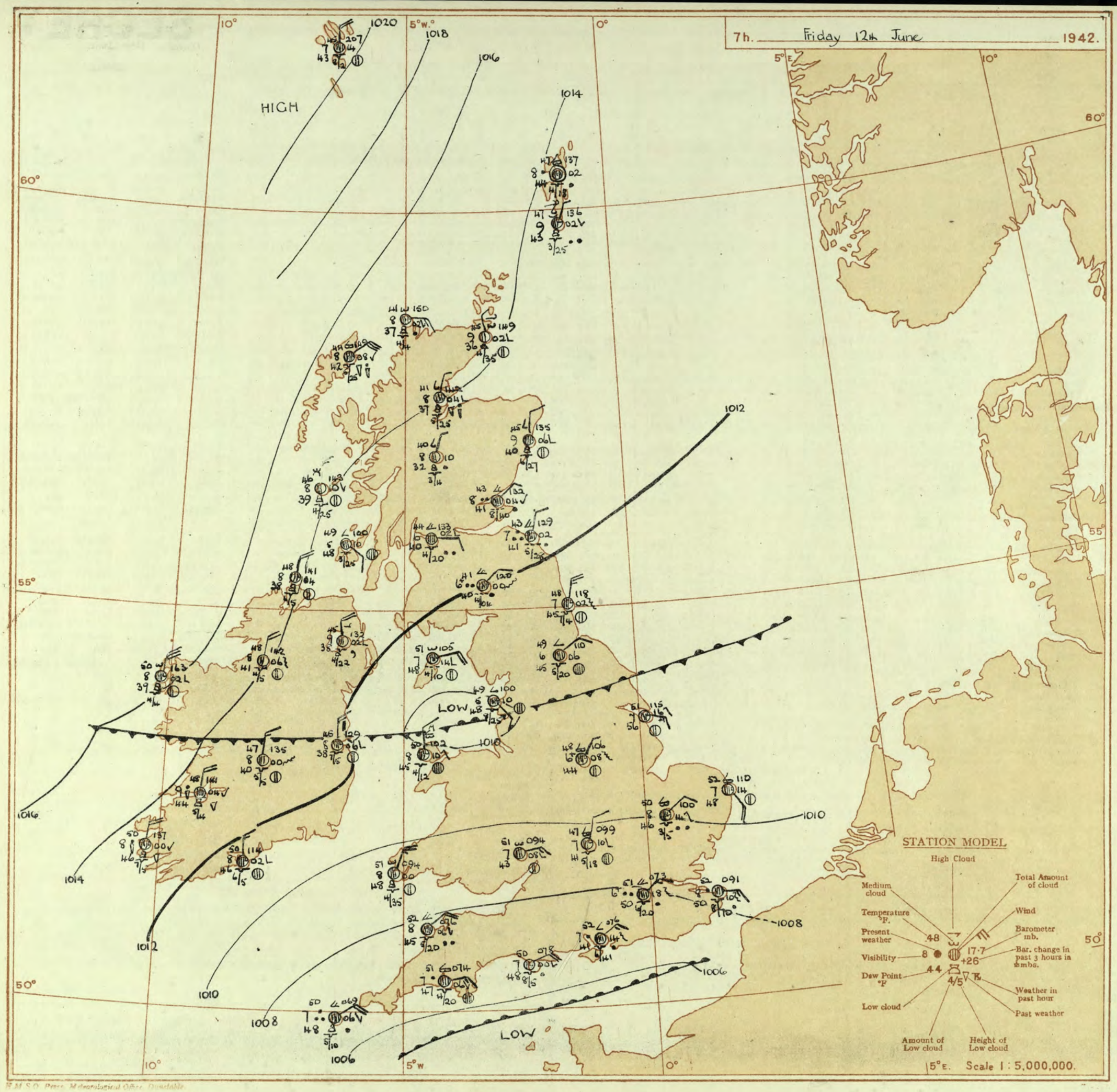
Pressure is high to the northwest of the British Isles and an elongated depression off Southern England is moving slightly northwards. There will be occasional rain in the South and perhaps local thunderstorms later. Elsewhere there will be local rain or showers but some bright intervals. It will be cool generally but will tend to become warmer in the South.

FURTHER OUTLOOK

Unsettled with local rain and perhaps some thunder 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. Meteorological Office. Dunstable.

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

Page 4. BRITISH SECTION

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

Friday 12th June 1942

No. 29422

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)	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	*	*	*	*	*	60	*	*	*	*	*	*	*	*	*
	Croydon	290	12·1	-10	NE	1	fofo	48	92	46	6	6	2	-	4-6	10	1500
	S. Farnborough	226	11·2	-14	ENE	3	zo	49	85	44	6	5	-	-	7-8	10	5000
	Boscombe Down	417	11·2	-10	ENE	3	fofo	49	75	42	6	6	2	-	10	10	6000
	Thorney Island	10	10·3	-12	NE	4	rr	49	92	48	6	5	-	-	10	10	2500
	Lympne	283	11·9	-18	NE	4	c	51	85	47	8	5	7	-	7-8	10	7000
	Manston	154	10·9	-20	E/N	3	i/o	52	92	50	7	6	2	-	9	10	4900
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	12·6	-16	NE/E	4	c	52	76	46	8	5	-	-	9+	9+	7100
	Gorleston	5	14·1	-12	SE/S	4	c	51	75	45	7	5	-	-	9+	9+	1500
	Mildenhall	15	12·9	-14	NE/N	1	c	44	85	39	7	-	7	-	0	7·8	-
	Cranwell	203	13·3	-8	SE	2	c	39	97	38	7	-	-	8	0	9	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·1	-8	E/N	2	c	48	75	41	7	-	9	-	0	9+	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10·0	-12	NE	3	c	54	65	41	8	5	2	-	7-8	10	1500
	Bristol	209	11·8	-6	E	2	c	51	75	45	7	5	-	-	10	10	6300
	Portland Bill	32	09·6	-26	E	4	rr	51	92	49	7	5	-	-	10	10	2500
	Plymouth	82	09·3	-18	E/S	1	c	51	92	49	6	5	2	-	7-8	10	3300
	The Lizard	240	09·1	-12	NE/E	5	pr	52	85	48	7	5	2	-	7-8	10	1500
	Scilly (St. Mary's)	163	09·1	-16	NE/N	4	fofo	52	92	50	6	5	-	-	10	10	1000
	Guernsey	175															
6	Pembroke	142	10·9	-16	NE	3	c	52	85	47	7	8	-	-	9	9	4000
7	Holyhead (Valley)	32	12·8	-12	N	1	bc	47	92	45	8	5	-	1	1	2-3	2000
	Chester (Sealand)	16	13·1	-10	-	0	c	45	92	43	7	5	-	2	7-8	9	5500
8	Manchester	235	13·1	-4	-	0	zo	44	92	42	5	-	3	-	0	7-8	-
10	Spurn Head	29	13·6	-18	S/E	3	b	49	75	40	7	-	-	-	0	0	-
	Catterick	175	12·7	0	W/S	2	bc	44	75	37	7	-	3	-	0	4-6	-
	Tynemouth	108	12·9	-4	NW	3	c	49	85	43	6	2	-	-	9	9	2500
11	St. Abbs Head	280	13·3	+4	NE	4	c	45	92	43	7	5	-	-	10	10	2500
	Leuchars	36	14·6	+2	-	0	fofo	42	97	42	8	6	2	-	9	10	1200
12	Renfrew (Abbots I.)	19	13·4	+6	E/S	4	fofo	45	92	42	6	5	1	-	9+	10	2200
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	12·9	-8	N	3	b	50	92	48	8	4	4	-	Tr	1	1000
13A	Tiree	22	17·1	-6	N	4	bc	45	75	38	9	8	4	-	2-3	2-3	3500
13B	Stornoway	80	14·9	-28	NNW	3	c	43	85	38	8	5	7	-	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	14·5	-8	NNW	2	c	41	92	39	8	5	-	-	9+	9+	3000
	Wick	114	15·4	-6	NNW	1	bc	35	92	34	8	8	3	-	2-3	2-3	2500
16	Sumburgh	19	13·8	-4	NNW	4	i/o	43	97	42	7	5	-	-	7-8	10	1500
17	Blacksod Point	18	18·4	-6	N	6	c	51	75	43	8	9	-	-	9+	9+	1500
18	Malin Head	84	16·7	-2	NNE	4	c	47	75	40	8	6	2	-	4-6	9+	2500
	Aldergrove	268	14·7	-6	NNW	4	ido	47	85	42	8	5	-	-	9+	9+	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	14·5	-8	NE	3	b	49	75	42	9	1	3	-	Tr	1	2500
	Roches Point	22	13·1	-8	N/E	3	bc	51	85	47	8	5	-	-	2-3	2-3	2500

OBSERVATIONS at 7 hr. G.M.T. 12th 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 11th Hrs. (38)
London (Kew)	07·8	-12	ENE	4	fofo	52	85	48	6	6	2	-	7-8	10	2500	1	*	62	50	46	-	1	12·5
Croydon	07·3	-18	NE	3	fofo	51	97	50	6	5	2	-	9	10	2000	1	*	60	47	47	-	2	12·7
S. Farnborough	08·2	-14	NE/N	2	zo	50	92	48	6	5	2	-	7-8	10	6000	1	*	64	48	46	-	2	12·3
Boscombe Down	08·8	-10	NE/E	2	c/r	48	97	48	6	6	2	-	4-6	10	3000	1	*	63	46	45	-	3	11·2
Thorney Island	07·6	-14	NE	3	i/o	52	85	49	7	5	1	-	9	10	4100	1	*	64	48	47	-	8	*
Lympne	09·1	-10	E	3	i/o	52	92	50	8	5	-	-	10	10	7000	1	§4	58	47		Tr	1	9·6
Manston	08·2	-18	E/N	3	fofo	52	97	52	6	5	7	-	4-6	10	5700	1	*	57	49	46	-	1	10·9
Shoeburyness	09·5	-14	ENE	4	c	54	85	49	8	5	7	-	7-8	10	5700	0	*	59	48	45	-	Tr	11·5
Felixstowe	09·3	-20	ENE	4	c	54	75	47	8	5	2	-	7-8	10	5000	0	3	58	40	37	-	-	12·7
Gorleston	11·0	-14	SE/S	4	c	52	85	48	7	-	7	-	0	9	-	0	4	55	49	43	-	-	13·0
Mildenhall	10·0	-14	NE/N	2	c/r	50	85	46	8	5	7	-	2-3	9+	2500	1	*	63	39	34	-	0·4	12·9
Cranwell	10·7	-14	NE/N	2	c	47	85	43	7	-	7	2	0	9	-	0	*	62	39	27	-	-	12·7
Birmingham	10·1	-10	E	2	m	49	65	38	4	-	3	-	0	9	-	0	*	61	47	41	-	-	12·9
Upper Heyford	09·9	-10	NNE	2	c	47	85	41	7	5	7	-	7-8	9+	1800	0	*	60	46		-	-	*
Ross-on-Wye	09·4	-8	ENE	3	c	51	75	42	7	-	3	-	0	7-8	-	0	*	61	49	46	-	-	12·5
Hartland Point	07·6	-6	NE	4	c/r	52	75	45	8	5	2	-	7-8	10	2000		4	57	51	49	-		8·8
Bristol	09·6	-10	NE/E	2	c/r	49	85	45	8	5	-	-	9+	9+	6900	1	*	61	47	47	-	0·2	11·3
Portland Bill	07·8	-12	ENE	4	o	50	92	48	7	5	-	..	10	10	2500	1	4	56	48	*	0·2	10	*
Plymouth	07·4	-6	E/N	3	i/o	51	85	47	7	5	7	-	4-6	10	2000	1	3	60	50	49	Tr	3	4·8
The Lizard	06·4	-8	ENE	5	dodo	51	92	49	7	5	-	-	10	10	1500	1	4	56	49	*	2	4	2·2
Scilly (St. Mary's)	06·9	-6	NE	4	rr	50	97	48	7	8	2	-	7-8	10	1000	0	3	60	49	*	0·4	6	2·2
Guernsey																							
Pembroke	09·4	0	NNE	5	c	51	85	48	8	8	3	-	4-6	7-8	3500	0	2	61	46	*	-	-	0·0
Holyhead (Valley)	10·2	-10	N	2	c	50	85	45	8	5	7	8	4-6	9+	1200	0	2	59	43		-	-	*
Chester (Sealand)	10·1	-10	WNW	1	c	51	85	47	6	5	1	-	Tr	10	2500	0	*	63	44	34	-	-	12·0
Manchester	09·9	-10	-	0	m	48	85	44	4	5	7	-	1	10	5700	0	*	63	43	35	-	-	*
Spurn Head	11·5	-16	E/S	3	c	51	75	46	7	7	3	-	7-8	9	4000	0	3	55	47	*	-	-	14·6
Catterick	11·0	-6	NE	2	zo	49	85	45	6	5	1	-	7-8	10	2000	3	*	65	33	33	-	8	8·4
Tynemouth	11·8	-2	NNE	5	c	48	92	45	7	5	-	-	9+	9+	1700	0	3	55	47	45	-	-	*
St. Abbs Head	12·9	+2	NNE	2	rr	43	97	41	7	6	2	-	7-8	10	1800	1		57	42	*	-	0·2	*
Leuchars	13·2	+4	NE	1	fofo	43	92	41	8	6	2	-	10	10	4000	1	*	62	42	42	-	4	5·6
Renfrew (Abbots I.)	13·3	-2	E	2	c/r	44	85	40	6	5	2	-	4-6	10	2000	1	*	60	41	41	-	5	7·6
Eskdalemuir	12·0	0	NE/N	2	fofo	41	97	40	6	6	2	-	4-6	10	400	1	*	63	41	34	-	0·1	10·1
Point of Ayre	10·5	-14	ENE	4	c	51	85	48	7	6	3	-	4-6	7-8	1000	0		59	49	*	-	-	15·1
Tiree	14·3	-10	N	3	bc	46	75	39	8	8	6	-	4-6	4-6	2500	0	5	56	40	*	Tr	-	3·2
Stornoway	14·9	+8	NE	6	c/pr	44	92	42	8	5	7	-	7-8	9	2500	1	3	62	37	*	2	2	2·2
Dalwhinnie	13·8	-10	NNE	1	bc	40	75	32	8	8	4	-	2-3	4-6	1500	1	*	53	29	23	2	3	3·5
Aberdeen †	13·5	-6	N/E	2	c	45	85	40	9	8	4	-	9	9	2700	1	2	54	40	37	Tr	1	0·4
Wick	14·9	-2	NNW	1	bc	45	75	36	9	2	3	1	4-6	4-6	3500	0	*	48	38	29	0·5	0·2	*
Sumburgh	13·6	-2	NNE	1	c/r	47	85	43	9	8	9	2	2-3	9	2500	1	2	49	41	40	Tr	2	2·1
Blacksod Point	16·3	-2	N/E	6	c	50	65	39	8	8	3	-	4-6	9	1500	0	5	55	48	*	-	Tr	*
Malin Head	14·1	-14	N/E	4	c	48	65	37	8	8	-	-	9	9	2500	0	4	54	45		0·1	0·1	
Aldergrove	13·2	-2	NNW	4	c	45	75	38	9	7	-	8	4-6	7-8	2200	0	*	59	41	37	0·1	Tr	9·2
Birr Castle	13·5	0	N	3	c	47	75	40	8	5	-	-	7-8	7-8	2500	0	*	64	46	43	-	-	
Valentia Obsy.	13·7	0	NNE	4	pr	50	85	46	8	8	-	-	9+	9+	2500	0	4	61	49	43	-	Tr	15·4
Roches Point	11·4	-2	N	3	c	50	85	46	8	5	-	-	9	9	2500	0	3*	59	47	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

II	13h. G.M.T. 11th June $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 12th June $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	5-	03858	30328	52	61844	30488	8-	01854	00014	87	01854	31203
115	52	02844	04367	87	81844	32387	87	81834	24387	83	02844	08366
203				8-	81838	32588	88	81847	24487			
206	5-	64768	24268	02	62863	00068	8-	00963	30283	84	25855	30185
210	6-	64516	32368	52	62746	30368	86	01954	00084	83	02954	31226
220				80	81847	29587				70	01954	31404
230	5-	21857	18357	5-	51757	18257	5-	01954	02414	5-	01855	00015
245	77	02863	08317	57	61764	04268	02	22757	01167	5-	02967	02367
260	10	01863	01313	4-	02866	18326	57	64766	03368	52	58645	05168
278	24	00861	28423	70	02855	28515	53	02834	26315	8-	02867	30327
279	10	01862	22424	78	01963	28513	53	01863	28214	5-	02848	04428
285										5-	41428	64448
288	83	02854	22216	83	02866	18216	54	01764	15224	5-	02848	04428
575	5-	02965	32225	52	02846	02367	5-	21848	32258	50	01864	02124
301	10	05661	29301	00	00890	29302	50	00752	28212	51	05553	12228
321	10	01754	08114	00	01890	14214	50	01764	16324	59	02773	13226
299	50	01753	04313				50	01765	18215	5-	02787	18227
292	20	17760	00015				03	05690	14213	52	05667	19128
310										--	02626	04326
614	80	05664	10114	17	01761	06114	04	05690	00025	07	05690	04126

II	13h. G.M.T. 11th June $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 12th June $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	20	00852	28302	03	01890	31404	07	02890	30327	57	02844	32227
334				--	05643	04214						
340	2-	01764	28114	8-	02666	30216	5-	05678	32118			
136	10	01963	32113	05	01890	07313	09	02890	07216	52	02842	08127
336	10	01765	04415	50	01753	08314						
350	14	01853	04323	44	01861	05314	07	02790	06327			
368	70	01864	05314	53	02874	04327						
379	80	01954	04414	00	02890	04427	07	02790	06227	53	02764	04327
390	53	04215	17560	54	02761	10315	07	02690	07228	07	02790	06368
382	14	01864	03314	04	02890	06315	07	02790	05127	52	64661	03168
438	17	01863	04413	87	02753	06414	62	02644	02528	62	22727	04467
430	50	01865	04525	03	02861	06527	5-	62668	06568	5-	62658	04368
409	15	01971	06506	02	02890	06328	52	62653	03268	5-	61868	04368

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 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
Kew	bczoy	bccy	crofo
Croydon	cybcy	bcy	ccfo
Greenwich	bcy	bccy	circrr
Camden Square	c	bc	*
Kensington	bc	bc	*
Hampstead	bc	pr	pr

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. Time 0·1 10-14h.
Min. Time <0·1 16-24h 11th.

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	50	46	-	1	12·5	*	*
Croydon	60	47		-	2	2	*	*
Greenwich	61	48	44	-	1	13·0	45	90
Westminster	62	50	49		0·2		71	95
Regents Park								
Camden Square	66	49	47	-	0·3	*	*	93
Kensington	65	50	42	-	1		55	89
Hampstead	61	45	43	-	0·6		*	94

Page 1 BRITISH SECTION

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

SECRET

Saturday 13th June 1942

No. 29423

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)	07.0	-6	NE'N	3	iro	52	85	49	6	5	2	.	7-8	10	1500
	Croydon	07.2	-6	NE	3	zo	52	92	50	5	6	2	-	9	10	900
	S. Farnborough	06.8	-10	NE'E	2	e/r	52	92	49	6	5	2	-	9	10	3000
	Boscombe Down	07.7	-4	NE	3	dodo	52	92	49	6	4	2	-	4-6	10	800
	Thorney Island	06.8	-4	NE	3	iro	54	85	51	6	5	-	-	10	10	1500
	Lympne	07.0	-10	ENE	3	c/pr	55	85	52	6	9	6	3	4-6	9	2000
	Manston	06.2	-14	ENE	3	dodo	54	97	53	6	5	7	-	7-8	9	300
2	Shoeburyness	07.4	-10	NE	4	e/pr	55	92	52	7	9	7	-	9	9+	1100
	Felixstowe	08.5	-4	N'E	2	iro	54	75	48	5	5	-	-	10	10	2000
	Gorleston	09.6	-8	ENE	4	c/pr	52	85	46	7	5	-	-	10	10	2000
	Mildenhall	08.9	-4	E'N	3	c	55	65	44	8	5	7	.	2-3	10	2000
	Cranwell	08.6	-10	E'S	4	c	61	55	44	7	2	7	-	4-6	9	2000
3	Birmingham	08.0	-8	SE	2	c	56	65	44	8	8	7	-	7-8	9+	2500
	Upper Heyford	07.9	-10	NE	3	iro	53	92	50	6	6	7	-	4-6	10	1000
4	Ross-on-Wye	08.0	-6	E'N	2	ido	56	75	47	8	8	1	-	7-8	10	3000
5	Hartland Point	07.5	-2	NE	3	iro	53	75	43	7	5	2	-	9	10	2500
	Bristol	08.7	-2	NE	1	roro	51	97	50	5	6	2	-	7-8	10	1500
	Portland Bill	07.4	-4	NE	4	dd	52	92	50	7	5	-	-	10	10	2500
	Plymouth	07.2	0	E'N	3	dr	52	92	49	6	5	2	-	4-6	10	1000
	The Lizard	06.1	-4	NE	5	c/r	50	97	50	6	8	2	-	9	10	1000
	Scilly (St. Mary's)	07.2	+2	NE'N	4	c/r	51	92	49	7	5	2	-	7-8	10	1000
	Guernsey															
6	Pembroke	08.7	-6	N	5	c	54	75	47	8	8	3	-	7-8	9	3500
7	Holyhead (Valley)	09.0	-10	N	1	c	53	75	42	8	8	7	8	7-8	9+	4000
	Chester (Sealand)	03.7	-10	WNW	3	c	58	65	48	8	1	7	-	1	9+	3000
8	Manchester	09.0	-8	S	2	c	62	35	36	7	1	7	-	2-3	7-8	4000
10	Spurn Head	10.3	-6	ESE	4	c	54	75	47	7	7	3	.	4-6	9+	4000
	Catterick	10.5	-4	N	3	zo	52	75	46	5	5	2	-	7-8	10	1500
	Tynemouth	11.3	0	N	4	roro	47	97	46	6	-	2	.	10	10	1100
11	St. Abbs Head	11.5	-10	NNW	3	iro	44	97	42	7	6	2	-	9	10	800
	Leuchars	12.0	-14	ENE	3	c/r	48	75	41	8	8	2	-	4-6	10	2000
12	Renfrew (Abbots I.)	11.7	-6	E'S	3	ido	46	75	39	7	5	-	-	10	10	1800
	Eskdalemuir	10.8	-6	NE	2	roro	44	85	41	7	6	-	-	10	10	800
	Point of Ayre	10.2	-4	NE	4	c	52	97	51	8	6	3	-	7-8	9+	1500
13A	Tiree	12.9	-6	N'E	4	bc	49	55	35	8	8	-	6	4-6	4-6	2500
13B	Stornoway	15.7	+2	NNE	4	c	48	92	45	8	5	7	-	7-8	10	2000
15	Dalwhinnie	13.2	-4	NE	3	c	47	55	32	8	5	-	-	9+	9+	2500
	Aberdeen	13.2	0	E'N	3	iro	47	85	43	8	8	.	.	9+	9+	2000
	Wick	14.1	-4	NE'E	2	bc	48	75	41	9	8	7	-	2-3	4-6	3000
16	Sumburgh	14.1	+10	ENE	2	bc	49	75	43	9	8	7	-	2-3	7-8	2000
17	Blacksod Point	14.9	-10	N	6	c	52	75	45	9	8	-	-	9	9	2500
18	Malin Head	13.1	-2	N'W	4	bc	48	55	33	8	7	-	-	2-3	4-6	2500
	Aldergrove	11.3	-10	NWN	4	c	53	65	41	8	8	6	-	4-6	9	3000
19	Birr Castle	11.6	-12	NNW	2	c	57	55	42	8	4	-	-	7-8	7-8	2500
20	Valentia Obsy.	13.2	-6	NNE	5	c	54	55	39	9	5	-	-	7-8	7-8	4000
	Roches Point	10.5	-10	N'E	4	bc	57	55	42	9	7	-	5	4-6	4-6	4000

OBSERVATIONS at 18h. G.M.T. 12th 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. (39)	Weather 13h.—18h. (40)	Weather 18h. to 1h. (41)	Weather 1h.–7h. (42)
London (Kew)	06.6	+2	NE'N	2	dodo	50	92	48	5	6	2	-	9	10	1500	1	*	cr iro mo	td ddmo	cidocmo	idocicl
Croydon	06.6	-4	NE	2	df	50	97	49	3	-	2	-	10	10	400	0	*	cromo	cmo rodo	cdfcm	cmcmid
S. Farnborough	06.4	-2	ENE	3	dodo	50	92	49	5	6	-	-	4-6	10	1000	1	*	cmororm	ordddmo	cdoidomof	cfmdodoc
Boscombe Down	06.8	-6	NE	2	c/d	50	97	49	6	5	2	-	4-6	10	600	1	*	crormd dm	ctddmo		cmo
Thorney Island	06.4	-2	NNE	2	ido	53	97	52	6	5	-	-	10	10	700	1	*	crrmoiro	emododo	domcdo	cdomo
Lympne	06.6	-2	-	0	df	53	97	53	3	5	-	.	10	10	<150	1	§2	roeprom	cmomd	cfdo	fdodfm
Manston	05.2	-6	-	0	zo	54	97	53	5	3	-	.	10	10	300	1	*	rororrmo	dodoiromo	cmoroom	omocmo
Shoeburyness	07.1	-4	N	3	dodo	51	97	51	4	5	-	.	10	10	600	1	*	iroPRc	emoidc	cdodomcm	bccmoc
Felixstowe	06.4	-6	NE	5	dodo	51	92	51	6	-	2	-	10	10	700	1	2	ceiroecir	ctromddm	dodomirocm	cidocmo
Gorleston	07.6	-6	ENE	5	c/r	51	92	50	6	6	-	-	10	10	1000	1	4	epro	errpro	olomo	prolo
Mildenhall	07.6	-6	E'N	3	c	50	85	46	6	5	2	-	2-3	10	1500	1	*	eiroe	ccrrc	cdodomdodm	cidomoc
Cranwell	07.8	-2	E	3	c	54	75	46	7	4	7	.	4-6	7-8	2500	0	*	bcc	c	ccmorr	cmorr
Birmingham	06.3	-8	SSE	2	c	57	55	41	8	5	7	-	7-8	7-8	2500	0	*	ebcc	ebc	c	codm
Upper Heyford	06.8	-4	NE'E	3	c/r	51	85	47	7	6	7	-	Tr	10	2500	1	*	cciro	irorrc	crrrolomo	rorocmo
Ross-on-Wye	06.9	-8	SE	2	c	54	85	49	7	6	2	-	1	10	3000	0	*	cc	poce	croc	ccro
Hartland Point	06.9	-2	NNE	2	iro	52	75	45	7	2	7	-	1	10	1500	0	3	ciro	ciroc	iroirc	ircbc
Bristol	07.9	-6	ENE	1	roro	52	97	50	6	6	2	-	7-8	10	1500	1	*	eirororo	eromo	cmo	cromo
Portland Bill	07.1	0	NE	4	c/d	53	92	51	7	5	-	-	10	10	2500	1	4	odd	oddo	o	o ir
Plymouth	06.3	-6	NE	2	c	54	85	50	7	5	2	-	9	10	1000	1	2	erorc	crrdoc	cilomo	cironocbc
The Lizard	06.0	-2	N'E	4	c	52	85	47	7	8	2	-	7-8	10	1500	1	3	orrmc	c	opfir	bcw
Scilly (St. Mary's)	07.6	+4	N'E	5	c/r	51	85	48	8	8	7	-	4-6	10	1600	1	4	err	ciro	cbcb	bbce
Guernsey																					
Pembroke	07.8	-2	N'E	4	c	52	85	48	8	8	6	-	7-8	7-8	3000	0	2	c	c	cbc	bc
Holyhead (Valley)	07.9	-10	NNW	3	c	53	75	46	7	8	3	-	7-8	7-8	3500	0	3	c	c	cbcw	bcwxc
Chester (Sealand)	07.3	-10	WNW	4	c	54	75	46	7	5	7	-	1	9+	4000	0	*	moc	c	cmololo	cmololo
Manchester	06.8	0	WNW	2	iro	53	75	46	6	5	7	-	4-6	9+	2500	0	*	czoy	ziro	crolo	cilomo
Spurn Head	08.8	-6	E'N	4	o	52	85	48	7	8	3	-	4-6	9+	1500	0	3	c		orr	orr
Catterick	08.7	-4	NNE	3	iro	52	85	48	6	5	7	-	7-8	10	3000	1	*	cmoerem	czcivomo	ilomocmo	cdodomo
Tynemouth	11.0	-4	NNE	3	o	48	92	46	7	-	2	-	10	10	1100	1	3	ororo	ororo	o	coiro
St. Abbs Head	10.6	-4	NNE	3	iro	44	92	43	6	5	-	-	10	10	1000	1	3	oro	omor	oiroidcmo	cmoroc
Leuchars	10.5	-10	ENE	2	dodo	45	97	45	7	5	2	-	4-6	10	800	1	*	erororeiro	cimocdodo	rorrmo	rrroroc
Renfrew (Abbots I.)	10.0	-2	E	4	c	48	75	39	7	5	2	-	4-6	10	1200	1	*	eirido	cido	cidorolo	cmolorodo
Eskdalemuir	09.4	-6	NE	3	iro	43	92	41	7	-	2	-	10	10	800	1	*	errroiro	ormoiro	clolo	roiroc
Point of Ayre	08.8	-10	NNW	2	bc	53	75	46	8	2	4	5	2-3	4-6	2000	0	3	c	cbc	bcbbc	bccbcc
Tiree	12.4	-4	N'E	4	bc	50	75	41	8	8	3	5	2-3	2-3	2800	0	4	bc	prbc	bcc	cilo
Stornoway	12.4	-10	NE	4	bc	48	97	46	8	2	4	8	2-3	4-6	1200	1	4	cpr	crrbc	bccbc	bc
Dalwhinnie	11.8	-2	NE	3	c	43	65	34	8	5	-	.	9+	9+	2500	1	*	bccy	cpro		ciloo
Aberdeen	11.6	-8	ENE	3	roro	45	92	43	8	5	2	.	4-6	10	1800	1	2	ciro	crоro	clocrolomo	cbc
Wick	13.3	-4	NE'E	3	bc	49	75	41	9	8	3	-	4-6	7-8	4000	0	*	bc	bo	bc	bcc
Sumburgh	13.6	-2	NE	3	roro	47	92	45	8	6	2	-	7-8	9+	1000	1	2	ebc	bcprororc	clolorrmoc	cbcploc
Blacksod Point	14.4	-6	N	6	bc	51	65	40	9	8	-	-	7-8	7-8	2500	0	5	pr	bc	pr	pr
Malin Head	11.4	-6	N'E	5	cdpr	46	75	39	8	2	2	-	2-3	7-8	2500	0	5	r	pr	pr	r
Aldergrove	10.3	-2	NW'N	3	bc	49	55	32	9	2	-	-	4-6	4-6	3000	0	*	bcycjp	bcy	b	bbcprobc
Birr Castle	10.3	-4	NNW	3	c	58	55	42	8	8	8	-	4-6	7-8	1500	0	5	c	c		c
Valentia Obsy.	12.5	-2	N	5	bc	55	65	44	9	8	-	-	4-6	4-6	2500	0	*	pr	bc	pr	pr
Roches Point	09.3	-8	N'E	5	bc	60	55	44	9	5	-	-	4-6	4-6	2500	0	3	c	bc	bc	bc

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

Districts	Forecast
1 S.E. England	Light Westerly winds, freshening slowly; cloudy; some light local rain or showers; finer periods to-morrow: rather cool.
2 E. England	(as above)
3 E. Midlands; 4 W. Midlands	Light variable to Westerly wind; dull and rainy at first; fairer conditions spreading slowly from the Southwest: cool.
5 S.W. England	As No. 1.
6 South Wales; 7 North Wales; 8 N.W. England	Moderate to fresh Northwest wind: fair periods; local showers: rather cool.
9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland	Moderate Easterly winds backing toward North; dull; rain at times; some local fog on East coast and locally on hills: cool.
13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate Easterly winds; cloudy to overcast; light occasional rain or drizzle at first, more general rain later; cool.
16 Orkneys and Shetlands	As 13B–15
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Moderate Northwest to North winds, freshening in the West; bright periods, some showers; cool.

GENERAL INFERENCE

A depression centred just off the coast of East Anglia will drift slowly north and become less deep, whilst a ridge of higher pressure will move in to our southwest districts. There will be further rain in many northern and eastern districts, but in the Southwest there will be fair periods and local showers. Conditions will remain cool.

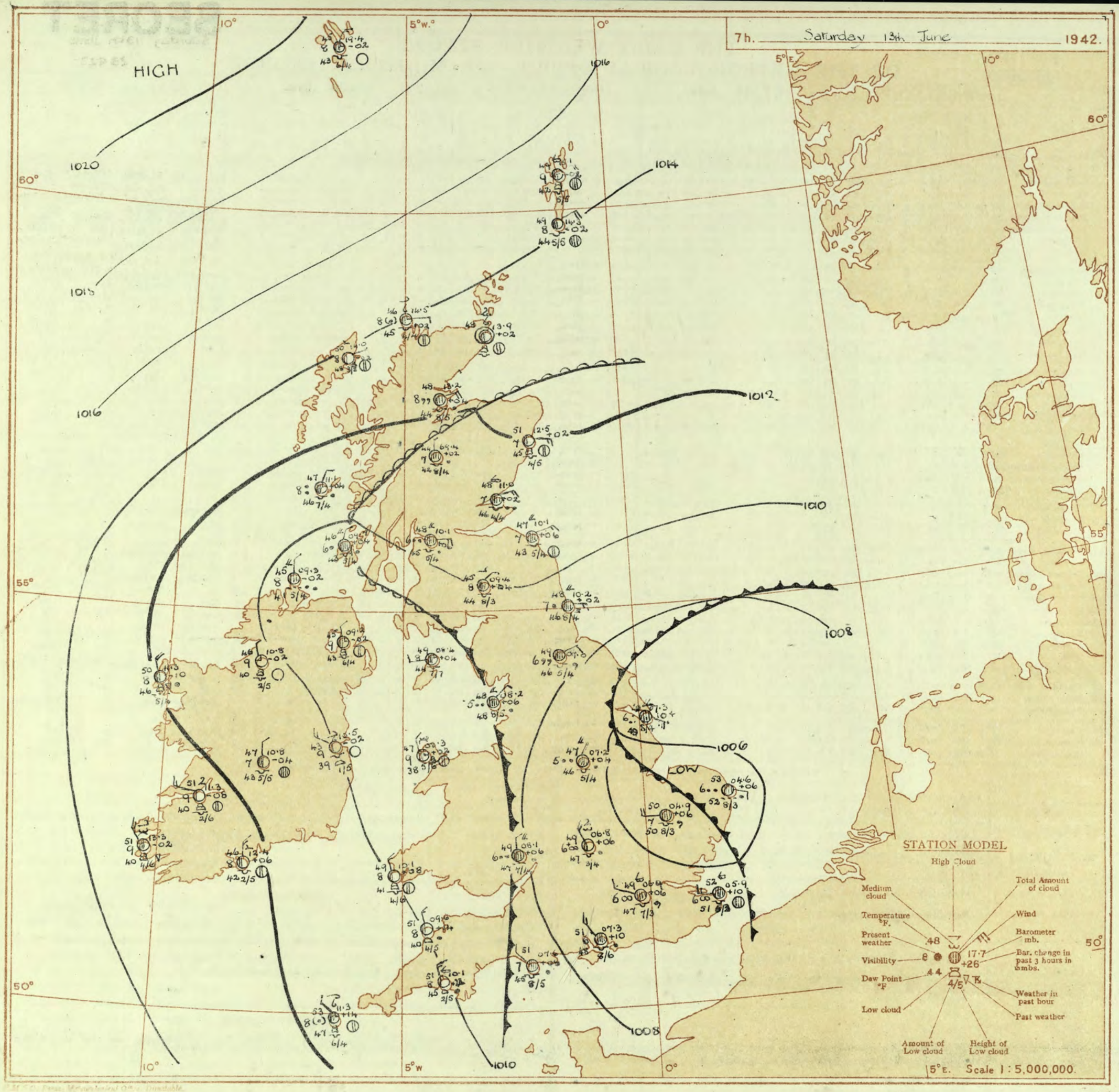
FURTHER OUTLOOK

Continuing rather cool generally, but with bright periods in the West & South.

Forecasts issued at 1030

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

7h. Saturday 13th June 1942.



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).

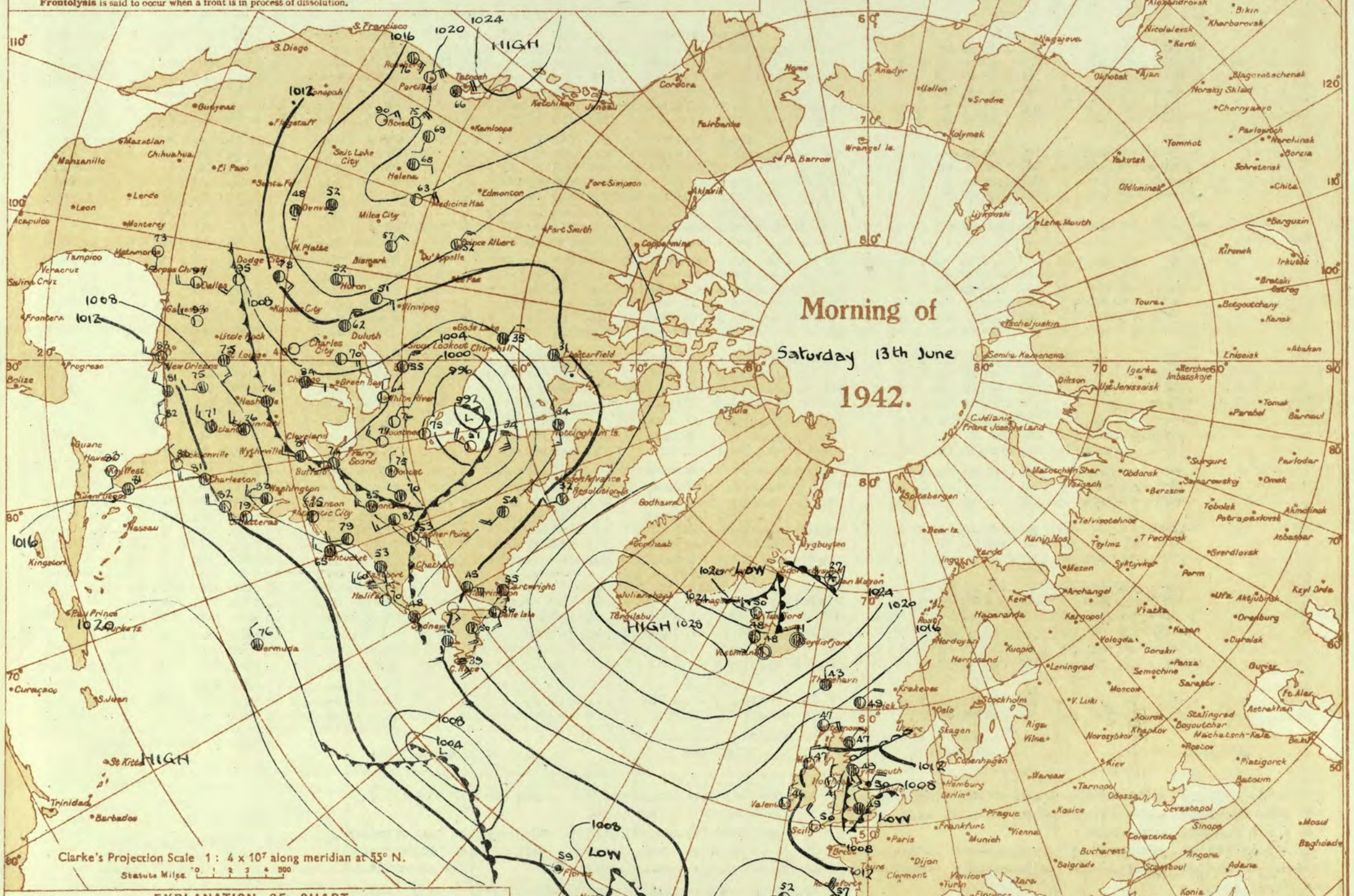
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Saturday 13th June 1942

No. 29423

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)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon	290	06·1	-4	N'W	1	m	49	97	48	4	6	-	-	10	10	300
	S. Farnborough	226	06·4	-2	N'E	1	of+	49	97	47	3	5	-	-	10	10	800
	Boscombe Down	417	07·1	+2	N	1	zo	49	97	49	6	6	-	-	10	10	1000
	Thorney Island	10	06·2	-2	NNW	2	ido	51	92	50	5	-	2	-	10	10	800
	Lympne	283	06·2	-2	-	0	df	51	97	51	3	5	-	-	10	10	100
	Manston	154	05·1	-2	W	1	•/r	53	97	53	5	-	2	-	10	10	1900
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	04·8	-2	WNW	2	c/r	52	97	52	5	5	2	-	7·8	10	400
	Gorleston	5	05·3	-18	ESE	4	rofo	53	97	52	5	6	-	-	10	10	800
	Mildenhall	15	05·5	-12	NW	3	dodo	50	97	50	4	5	-	-	10	10	100
	Cranwell	203	07·2	-4	N'W	3	rr	47	97	47	6	-	2	-	10	10	2100
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	06·5	-2	NE	2	rofo	47	97	47	6	5	2	-	4-6	10	1800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	07·7	+2	NNW	3	ir	50	75	47	7	5	2	-	7·8	10	1500
	Bristol	209	07·6	-2	-	0	zo	49	97	47	5	5	2	-	7·8	10	3100
	Portland Bill	32	16·9	+6	NE	2	o	51	92	49	7	5	-	-	10	10	2500
	Plymouth	82	07·8	+6	NNW	3	rofo	50	97	50	7	5	-	-	10	10	3500
	The Lizard	240	08·5	+8	NNW	3	iro	49	97	49	7	5	2	-	9	10	1000
	Scilly (St. Mary's)	163	09·5	+4	NW'N	4	b	50	85	45	7	5	-	-	1	1	1500
	Guernsey	175															
6	Pembroke	142	09·1	+2	N'E	4	bc	47	85	43	8	5	-	-	4-6	4-6	4000
7	Holyhead (Valley)	32	08·3	-2	N	1	bc	41	85	37	8	5	7	1	1	2-3	3000
	Chester (Sealand)	16	07·5	0	WNW	3	rofo	51	85	47	6	5	2	-	7·8	10	1300
8	Manchester	235	07·4	0	E	1	iro	50	92	49	6	5	7	-	4-6	10	2000
10	Spurn Head	29	08·0	-10	NE	4	rr	50	92	47	5	9	-	-	10	10	2500
	Catterick	175	09·3	+4	E'N	2	zo	45	92	43	6	5	7	-	7·8	10	1800
	Tynemouth	108	10·4	-2	SSE	3	c	49	85	45	7	-	2	-	10	10	1500
11	St. Abbs Head	280	09·7	+12	SE	1	c	47	97	46	6	5	-	-	10	10	800
	Leuchars	36	10·5	+8	NE	2	rr	47	97	45	6	6	2	-	7·8	10	800
12	Renfrew (Abbots I.)	19	09·7	-2	NE'E	2	rofo	45	92	43	5	5	-	-	10	10	1500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	08·0	+2	W	3	bc	38	92	35	8	4	+	+	2-3	2-3	3000
13A	Tiree	22	11·4	-8	N	3	c	47	75	38	8	5	4	-	7·8	9	2800
13B	Stornoway	80	14·0	+2	ENE	4	bc	47	92	46	7	8	8	8	2-3	4-6	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	12·1	+6	NE'N	8	c/r	47	97	45	6	-	2	-	7·8	10	600
	Wick	114	13·9	0	ENE	1	bc	45	85	41	9	8	3	-	2-3	4-6	2500
16	Sumburgh	19	14·0	-2	NE	3	c	49	85	46	7	5	2	-	9+	9+	1500
17	Blacksod Point	18	13·5	-6	N	4	bc	45	75	38	8	8	-	-	4-6	4-6	1500
18	Malin Head	84	10·4	-6	NNE	4	bc	47	85	43	8	6	2	-	4-6	4-6	1500
	Aldergrove	268	10·0	-2	-	0	F	37	97	36	0	5	-	-	2-3	2-3	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13·7	+2	NNE	2	b/pr	46	85	42	9	8	-	-	1	1	2500
	Roches Point	22	11·8	+10	N	4	b	48	85	44	8	5	-	-	1	1	2500

OBSERVATIONS at 7 hr. 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)	06·9	+10	NW'W	2	zo	51	85	47	6	5	-	-	9+	9+	4000	1	*
Croydon	06·9	+6	WNW	2	zo	49	92	47	6	5	7	-	9+	10	800	1	*
S. Farnborough	07·1	+8	NW'N	4	c	51	85	47	7	1	3	4	2-3	7·8	1000	1	*
Boscombe Down	07·9	+10	-	0	zo	49	92	47	6	5	7	-	7-8	9+	3000	1	*
Thorney Island	07·3	+10	NW	3	c	51	85	48	7	5	-	-	10	10	3200	1	*
Lympne	07·2	+10	WNW	3	zo	50	97	49	5	5	-	-	10	10	1000	1	§2
Manston	05·9	+10	W	3	zo	52	97	51	6	5	7	-	9	10	4000	1	*
Shoeburyness	06·2	+4	WNW	2	c	53	85	49	7	5	3	-	7-8	9	1000	1	*
Felixstowe	04·9	+2	W'N	4	zo	51	92	49	6	5	-	-	10	10	450	1	
Gorleston	04·6	+6	ESE	2	rofo	53	97	52	6	6	-	-	10	10	800	1	4
Mildenhall	04·9	+6	W	4	c	50	97	50	7	5	-	-	10	10	800	1	*
Cranwell	05·9	-6	NW	4	rr	48	97	46	5	6	2	-	9+	10	300	1	*
Birmingham	08·3	+4	NW	3	dd	46	92	44	4	6	-	-	10	10	450	1	*
Upper Heyford	06·8	+6	NW'N	3	zo	49	92	47	6	5	3	6	2-3	4-6	1300	1	*
Ross-on-Wye	08·1	+6	N	2	rofo	49	92	47	6	6	2	-	9+	10	1500	1	*
Hartland Point	09·6	+14	NNW	3	bc	51	65	40	8	1	-	-	4-6	4-6	2500	0	4
Bristol	08·5	+8	-	0	dodo	50	97	50	6	5	2	-	9	10	1500	1	*
Portland Bill	07·6	+8	NW	2	o	51	92	47	7	5	-	-	10	10	2500	1	3
Plymouth	10·1	+22	N'W	3	bc	51	75	45	8	1	7	-	1	2-3	2500	1	3
The Lizard	10·8	+16	NW	3	bc	50	85	46	8	8	-	-	4-6	4-6	2500	1	3
Scilly (St. Mary's)	11·3	+14	NW	1	cjp	53	85	47	8	8	4	3	9	9	1600	1	2
Guernsey																	
Pembroke	10·1	+8	NNW	3	bc	49	75	41	8	8	-	-	4-6	4-6	3500	0	2
Holyhead (Valley)	08·3	+2	NNW	2	c	47	75	38	9	8	6	-	7-8	9	3000	0	2
Chester (Sealand)	08·5	+10	NW'W	1	bc/r	48	75	41	8	5	2	-	2-3	2-3	2500	1	*
Manchester	08·4	+8	NW'W	1	zo	49	97	47	6	5	2	-	4-6	10	2500	1	*
Spurn Head	07·3	+10	SE'E	5	rr	49	97	49	6	-	2	-	10	10	1500	1	4
Catterick	09·0	+2	ENE	2	dodo	49	92	46	6	5	-	-	7·8	10	1000	1	*
Tynemouth	10·2	+2	E	3	iro	48	92	46	7	-	2	-	10	10	1600	1	3
St. Abbs Head	10·1	+6	ENE	3	c	47	97	46	7	5	2	-	7·8	10	2000	1	3
Leuchars	11·0	+2	ENE	3	c/r	48	92	46	7	5	7	-	4-6	10	1200	1	*
Renfrew (Abbots I.)	10·1	+6	E	3	dodo	48	85	45	6	5	2	-	7·8	10	1400	1	*
Eskdalemuir	09·4	+4	ENE	2	c	45	97	44	8	5	-	-	10	10	900	1	*
Point of Ayre	08·4	+4	W'S	2	c	49	85	44	8	5	-	-	9+	9+	6500	0	1
Tiree	11·1	+4	NE'N	2	ir	47	97	46	8	5	-	-	9+	9+	1800	1	3
Stornoway	14·0	+2	ENE	4	bc	50	92	48	8	2	4	5	2-3	4-6	2500	1	2
Dalwhinnie	10·9	+2	N	1	o	44	92	42	7	5	-	-	10	10	1500	1	*
Aberdeen †	12·5	+2	E	3	bc	51	75	45	7	8	-	-	4-6	4-6	3000	1	2
Wick	13·9	+2	-	0	bc	48	85	43	8	8	4	9	4-6	7·8	3000	1	*
Sumburgh	14·3	-2	ENE	4	c	49	85	44	8	5	-	-	7·8	7·8	3000	0	2
Blacksod Point	11·3	-10	NNW	4	c/pr	50	85	46	8	9	-	-	7·8	7·8	1500	1	3
Malin Head	09·3	-2	N	2	c/r	45	85	41	8	6	2	-	7·8	10	1500	1	3
Aldergrove	09·2	-2	N'W	2	c	45	85	41	9	8	-	-	9	9	1600	0	*
Birr Castle	10·8	-4	N	2	c	47	85	43	7	5	-	-	7·8	7·8	2500	0	*
Valentia Obsy.	13·3	-2	NW'N	3	c	51	65	40	9	2	6	1	4-6	7·8	4000	0	3
Roches Point	12·4	+6	N	3	bc	46	85	42	8	5	-	5	1	4-6	2500	0	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine Hrs. (38)
London (Kew)	53	49	48	3	0·6	0·0
Croydon	53	49	48	1	1	0·0
S. Farnborough	52	48	47	6	0·2	0·0
Boscombe Down	52	47	47	6	Tr	0·0
Thorney Island	55	49	49	2	0·1	*
Lympne	58	48		1	0·6	0·1
Manston	55	49	49	1	Tr	0·2
Shoeburyness	56	48	47	4	0·3	0·0
Felixstowe	55	50	49	3	1	0·0
Gorleston	52	51	51	4	5	0·0
Mildenhall	56	45	47	3	0·3	0·0
Cranwell	62	46	46	-	15	2·5
Birmingham	58	45	43	-	0·4	2·0
Upper Heyford	53	43	40	2	1	*
Ross-on-Wye	58	48	48	Tr	1	0·2
Hartland Point	53	49	46	0·2	1	0·0
Bristol	53	48	42	3	1	0·0
Portland Bill	54	49	*	1	0·3	*
Plymouth	55	49	47	1	0·5	0·0
The Lizard	52	46	*	5	0·5	0·0
Scilly (St. Mary's)	52	49	*	4	-	0·0
Guernsey						
Pembroke	57	46	*	-	-	1·5
Holyhead (Valley)	55	37	28	-	-	*
Chester (Sealand)	59	47	44	-	1	2·5
Manchester	63	48	47	Tr	1	*
Spurn Head	54	48	*	-	12	4·6
Catterick	55	49	41	Tr	Tr	0·0
Tynemouth	49	48	45	2	0·1	*
St. Abbs Head	44	43	*	1	0·4	
Leuchars	48	45	44	1	3	0·0
Renfrew (Abbots I.)	49	44	44	Tr	4	0·0
Eskdalemuir	44	42	41	2	2	0·0
Point of Ayre	54	37	*	-	-	2·6
Tiree	52	46	*	0·1	0·5	12·2
Stornoway	49	45	*	2	-	6·4
Dalwhinnie	49	39	38	Tr	1	1·7
Aberdeen †	50	45	43	1	9	2·0
Wick	50	37	34	-	-	*
Sumburgh	51	47	43	0·5	2	0·1
Blacksod Point	54	44	*	Tr	4	
Malin Head	50	43		0·5	2	8·7
Aldergrove	56	34	27	Tr	Tr	10·0
Birr Castle	60	36	31	-	-	11·2
Valentia Obsy.	57	45	38	Tr	1	8·9
Roches Point	60	44	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 12th June IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	18h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 13th June C$_L$C$_M$	wwVhN$_h$	DDFWN	07h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN
109 87	02854	01114	86	01854	06314	86	02854	00025	87	01853	00014
115 87	10844	04326	87	02844	04326	84	02844	08326	54	10844	08226
203 70	11953	04423	51	61854	02168						
206 80	01963	12325	83	02962	06415	52	62744	06328	5-	52858	06468
210 26	01962	06314	87	02954	03415	52	61734	05368	5-	02945	05228
220 --	22070	01954									
230 62	62849	02168				62	22657	00067	5-	61848	04168
245 87	02954	06468	62	62745	04368	62	62636	06468	27	02842	06366
260 --	21734	05258	85	00863	26413	52	64646	06268	62	61535	06268
278 36	01863	30413	85	00863	26413	83	02846	00027	8-	02757	09367
279 5-	22745	04428	5-	62758	06368	5-	61668	05468	7	61664	04268
285 02	64628	12368	5-	05548	00028				6-	61628	08428
288 6-	28852	22554	77	01754	04416	53	01754	06225	52	62644	05368
575 36	02846	32387	2-	01953	32323	50	00852	30222	80	00952	30102
301 57	05064	29228	51	03565	32268	52	61653	10168	02	62558	04168
321 83	02865	14227	17	02863	42325	57	02754	02225	62	56845	29468
299 7-	02765	18315	53	01763	22314	8-	62618	04468	5-	64648	04468
292 27	02764	10128	23	01854	10215	5-	05658	04228	52	62755	31168
310 --	01625	08315							--	02628	04428
614 27	02627	02665	23	05654	07256	51	05663	00026	52	62545	02268

13h. G.M.T. 12th June IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	18h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 13th June C$_L$C$_M$	wwVhN$_h$	DDFWN	07h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN
333 57	02873	32227	53	02743	32467	07	02790	30327	5-	01865	30225
334 --	03646	04228	--	03547	04228						
340 2-	02802	12125	-2	64638	32168	-6	1548	30168	5-	62648	29268
136 57	02854	08228	52	61754	06268	8-	52528	05268	5-	52418	06258
336 13	01763	08213	8-	81646	24388				54	02755	28316
350 27	63653	04268	57	62653	04268	5-	05668	30328	17	02752	26326
368 57	61652	07368	87	01665	04368	52	61645	31168	53	01863	28364
379 52	66645	04368	02	64688	06368				57	02764	28218
390 5-	22538	01368	52	52527	04258	5-	08428	01228	57	05534	30258
382 52	61635	03268	52	51653	03268	52	51656	02158	13	02762	30124
438 5-	03628	04368	5-	03528	32128	5-	46338	00048	5-	41538	00048
430 5-	51548	04358				5-	52538	01258	52	05647	30258
409 57	22765	02368	77	61775	02368	52	61644	31268	80	01965	31305

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
Kew	crirₒmₒ	iddₒmₒ	eidₒcmₒ
Croydon	crₒmₒ	cmₒrₒdₒ	edfcmid
Greenwich	+cirₒ	cirₒdₒdₒ	dddₒc
Camden Square	c	c	*
Kensington	cpe	cr	*
Hampstead	or	pr	bc

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

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs. Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	53	49	48	3	0·6	0·0	*	*
Croydon	53	49	48	1	1	0·0	*	*
Greenwich	53	48	48	0·8	0·5	0·0	88	65
Westminster	58	49	49	·2·5		*	99	79
Regents Park	55	48	46	2·8	2·1	*	83	71
Camden Square	56	49	47	3·8	0·4	*	*	69
Kensington	58	49	47	2·5	1·5	*	97	65
Hampstead	51	46	42	3·3	0·7	*	*	75

Page 1

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

SECRET

Sunday 14th June 1942

No. 29,424

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)	08.1	+6	WSW	3	c	60	65	46	7	8	3	-	7-8	7-8	1500
	Croydon	07.0	+8	W'N	3	c	60	65	46	7	8	-	-	4-6	9	2500
	S. Farnborough	08.6	+10	W'N	3	cjp	58	65	44	8	5	-	-	7-8	9+	2000
	Boscombe Down	09.9	+12	NW	3	cjp	54	75	47	6	8	2	-	7-8	10	2000
	Thorney Island	09.1	+8	W'N	4	c/p	56	75	49	8	8	-	-	10	10	4000
	Lympne	08.5	+2	W	2	c	59	65	45	8	8	-	-	7-8	7-8	4000
	Manston	07.2	+10	WNW	3	z	58	65	48	6	1	-	-	7-8	7-8	2500
2	Shoeburyness	07.6	+6	WNW	4	bc	62	55	47	8	2	3	-	4-6	9	2900
	Felixstowe	06.2	+4	W	4	z	56	75	48	6	5	-	-	10	10	900
	Gorleston	06.0	+8	W'N	2	if	58	92	51	6	6	-	-	10	10	800
	Mildenhall	05.9	+4	W	4	dd	52	92	49	6	5	-	-	10	10	800
	Cranwell	06.6	+6	NNW	3	dd	50	97	50	6	6	2	-	9+	10	600
3	Birmingham	09.6	+8	NW	3	z	49	85	45	5	5	-	-	10	10	1500
	Upper Heyford	08.2	+10	W	4	z	54	75	46	6	5	7	-	2-3	10	1500
4	Ross-on-Wye	09.2	0	SW	2	bc	57	65	47	6	2	-	-	4-6	4-6	3500
5	Hartland Point	11.8	+12	WNW	3	bc	52	65	41	8	1	-	-	4-6	4-6	2500
	Bristol	10.1	+6	W'S	4	c	57	75	49	7	2	-	1	7-8	7-8	2500
	Portland Bill	09.8	+8	W	3	bc	56	92	53	8	2	-	-	4-6	4-6	4000
	Plymouth	11.9	+10	NW	4	bc	58	55	42	8	1	-	1	4-6	4-6	3000
	The Lizard	12.3	+4	NW	3	c	54	65	43	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	13.1	+4	WNW	2	c	58	65	47	8	8	6	3	4-6	7-8	1800
	Guernsey															
6	Pembroke	12.0	+6	NW	5	bc	52	75	43	8	2	4	1	2-3	4-6	3000
7	Holyhead (Valley)	09.6	+2	W	3	c	52	65	40	9	8	-	3	7-8	9	3000
	Chester (Sealand)	09.8	+4	NW'W	2	ff	48	75	41	8	5	2	-	4-6	10	2500
8	Manchester	09.6	-10	W	3	ff	47	92	44	6	5	7	-	9	10	1500
10	Spurn Head	07.2	+8	NE	5	ff	51	97	50	6	3	-	-	10	10	500
	Catterick	10.1	+6	NE	3	ff	50	92	48	4	6	2	-	7-8	10	1000
	Tynemouth	11.0	+4	ENE	4	ff	49	92	47	7	-	2	-	10	10	1500
11	St. Abbs Head	11.5	+2	NE	2	rr	47	92	45	7	8	2	-	7-8	10	1000
	Leuchars	12.4	+2	ENE	2	ff	50	92	48	7	5	2	-	7-8	10	900
12	Renfrew (Abbots I.)	11.8	+6	E'N	3	c	52	65	41	8	5	7	-	9	10	2500
	Eskdalemuir	10.7	+4	NE'E	4	if	50	85	45	7	5	-	-	10	10	2200
	Point of Ayre	09.9	+6	ENE	2	c	52	85	46	8	4	7	1	Tr	9+	1500
13A	Tiree	13.5	+12	NE'E	1	dd	51	85	47	7	5	-	-	9+	9+	1800
13B	Stornoway	15.0	+4	NE	5	c	53	85	49	8	2	4	-	4-6	7-8	2500
15	Dalwhinnie	13.0	+4	E	1	c	49	65	40	7	5	2	-	9	10	2500
	Aberdeen	13.6	+4	E	3	ff	50	85	46	8	9	2	-	4-6	10	2200
	Wick	15.0	+10	NE	3	bc	51	75	45	9	8	7	-	2-3	2-3	3000
16	Sumburgh	15.9	+6	ENE	3	c	49	75	43	8	5	-	-	4-6	10	2000
17	Blacksod Point	11.0	-2	NNW	3	c	54	65	43	8	9	-	5	4-6	7-8	1500
18	Malin Head	10.3	+6	NNE	2	c	51	85	47	8	9	1	-	4-6	7-8	2500
	Aldergrove	09.8	+4	W	1	bc	54	65	40	8	8	6	1	4-6	4-6	3500
19	Birr Castle	09.9	-6	SSW	1	c	54	75	47	8	3	7	-	2-3	9	800
20	Valentia Obsy.	13.1	+2	W'N	3	p/c	53	75	46	9	3	7	3	4-6	9+	2500
	Roches Point	11.9	0	W	2	c/p	52	92	50	9	3	-	3	4-6	7-8	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)	09.3	+4	W'N	3	bc	60	55	42	7	2	-	1	4-6	4-6	2500	1	*
Croydon	09.2	+2	W'N	3	bc	58	65	46	7	2	-	1	4-6	4-6	2500	1	*
S. Farnborough	09.3	+4	W'S	3	c	58	55	43	8	8	-	-	7-8	7-8	2000	1	*
Boscombe Down	10.1	+2	W	4	bc	56	45	47	8	2	-	-	1	2-3	4000	0	*
Thorney Island	09.9	+4	WSW	5	bc	58	65	45	9	3	6	1	2-3	2-3	4000	1	*
Lympne	10.3	+14	W	3	c	56	75	46	7	7	-	-	9+	9+	6000	0	§4
Manston	08.4	+6	W	3	z	58	75	50	6	5	-	-	9+	9+	5000	0	*
Shoeburyness	08.9	+8	W'S	3	c	59	65	45	6	6	7	-	7-8	9+	3000	0	*
Felixstowe	07.4	+2	W	5	c	60	65	46	7	7	-	1	7-8	7-8	2800	0	3
Gorleston	07.4	+6	NE'N	2	if	58	97	52	5	5	-	-	10	10	600	1	2
Mildenhall	06.7	0	WNW	3	id	52	92	51	6	6	2	-	9	10	700	1	*
Cranwell	08.9	+14	N'E	3	ff	49	97	49	7	6	2	-	9+	10	400		*
Birmingham	09.9	+4	N	2	z	50	75	43	6	-	3	-	0	9+	-	1	*
Upper Heyford	08.5	+4	NW	3	z	58	65	44	6	8	6	-	4-6	9+	2500	1	*
Ross-on-Wye	09.4	+6	WNW	3	b	58	45	38	9	2	-	1	1	1	4000	0	*
Hartland Point	12.2	+2	WNW	6	bc	52	65	38	9	1	-	-	4-6	4-6	2500	0	3
Bristol	10.9	+6	W'S	5	b	54	75	46	8	4	-	-	Tr	Tr	4000	1	*
Portland Bill	11.3	+6	W	3	c	54	92	52	8	2	4	-	4-6	7-8	4000	1	3
Plymouth	12.5	+2	WNW	3	bc	58	55	48	9	1	4	1	2-3	2-3	3500	0	3
The Lizard	13.0	+2	WNW	3	bc	55	65	42	8	2	8	-	2-3	4-6	2500	1	3
Scilly (St. Mary's)	13.4	-2	WNW	3	bc	56	55	42	8	8	6	2	2-3	4-6	1800	1	2
Guernsey																	
Pembroke	12.1	+2	W	4	bc	53	75	48	8	2	4	-	4-6	4-6	3000	0	2
Holyhead (Valley)	10.4	+2	W'S	2	bc	53	65	42	9	2	-	3	1	4-6	3000	0	2
Chester (Sealand)	10.6	+4	NNW	1	c	49	75	44	8	5	2	-	2-3	10	5000	1	*
Manchester	10.2	+4	W	2	ff	46	92	45	5	5	2	-	7-8	10	1500	1	*
Spurn Head	08.7	+6	NNE	4	ff	50	97	49	6	3	-	-	10	10	450	0	4
Catterick	11.1	+6	NE	3	ff	47	92	46	5	5	2	-	9	10	1000	1	*
Tynemouth	12.2	+2	NE	4	ff	48	92	46	7	-	2	-	10	10	1500	1	3
St. Abbs Head	12.	+8	NNE	6	rr	46	97	46	7	5	2	-	9	10	1000	1	3
Leuchars	12.6	+2	NE	2	dr	48	97	47	7	6	2	-	4-6	10	400	1	*
Renfrew (Abbots I.)	12.8	0	ENE	3	if	51	75	43	6	8	2	-	9	10	2500	1	*
Eskdalemuir	11.3	+2	NE	2	ff	47	97	44	6	5	-	-	10	10	1100	1	*
Point of Ayre	10.6	+2	E'S	2	ff	50	97	50	8	6	2	-	7-8	10	1500	1	2
Tiree	13.8	0	-	0	c	50	85	46	8	5	-	-	9+	9+	2500	1	3
Stornoway	15.0	0	NE	5	c	51	92	49	8	8	7	-	7-8	9+	2000	1	1
Dalwhinnie		+2	NE	2	if	47	85	44	7	5	2	-	7-8	10	1500	1	*
Aberdeen	13.4	-2	NE'E	3	c	50	85	46	9	9	2	-	1	9+	3200	1	2
Wick	15.0	+2	NE	3	c	50	85	46	9	2	3	1	4-6	7-8	2000	0	*
Sumburgh	15.5	-4	NE	3	bc	48	85	43	8	5	7	-	4-6	4-6	3000	0	2
Blacksod Point	11.0	0	NNE	4	c	52	75	45	9	8	-	6	4-6	7-8	1500	1	3
Malin Head	11.4	+8	E	5	bc	51	85	47	8	9	-	2	2-3	4-6	2500	0	4
Aldergrove	10.4	+4	E	2	c	54	65	43	8	2	-	4	1	9+	3500	0	*
Birr Castle	09.5	-2	S	1	c	55	75	48	8	3	7	-	2-3	9	800	0	*
Valentia Obsy.	11.0	-10	NW'W	3	c	51	85	47	9	3	-	3	9	9+	2500	0	3
Roches Point	11.0	-6	WNW	3	c	53	85	49	9	3	-	3	4-6	7-8	1500	1	3

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)	cmzcey	cbcy	bcgc	bcwbc
Croydon	cmbcc	cbc	cpzbmw	bmwc
S. Farnborough	cbcyjpc	cjpcy	cybcbm	bmzcwcb
Boscombe Down	cpzjp	by	byb	bbcm
Thorney Island	cizc	cizcbc	bbcc	cb c
Lympne	cmcbcc	c	cbcb	bcb
Manston	cbcmzjp	cz	bmw	bmwc
Shoeburyness	ccy	cycm	cm bcm	bcmcm
Felixstowe	cmccm	cbcmcbc	bcbcmcm	cm c
Gorleston	ozf m	oif	of	oizc
Mildenhall	cidcdd	cddmc	cidcm	cidmc
Cranwell	omcfmdd	omffzf	cff	cffcm
Birmingham	doz	ocz	bczbz	bz
Upper Heyford	bcm	czycz.	cm	mfbcm
Ross-on-Wye	fcbc	bv	bvbcb	b
Hartland Point	bc	bc	bcirc	irebcc
Bristol	crrm	b	bby	bcpzbc
Portland Bill	cbc	c	c	cbc
Plymouth	bcbcy	bcyv	bcybw	b
The Lizard	bcprc	b	bccbc	bc
Scilly (St. Mary's)	bccpr	cbcy	bccbc	bcpbc
Guernsey				
Pembroke	bc	bc	cbc	bc
Holyhead (Valley)	bc	cbc	bcbw	bwxbc
Chester (Sealand)	cff	cffif	czmwc	bcfbm
Manchester	cmf	cff	ffm	cifm
Spurn Head	omf	pff	oid	opr
Catterick	cffmzm	cfmm	cffmcm	cmzcmc
Tynemouth	off	off	offc	corr
St. Abbs Head	cr pririr	cmrr	cfc	cfoc
Leuchars	cff	cffmdd	dff	c
Renfrew (Abbots I.)	cmfdrc	cmpfif	cmff	cmfgc
Eskdalemuir	cif	cff	cff	iff
Point of Ayre	c	iffc	ff	ffif
Tiree	odd	cdc	cid	cd
Stornoway	bbc	c	c	c
Dalwhinnie	o	oif		oir
Aberdeen	bcff	cfc		cfofo
Wick	bc	bccbc	bcc	epfbcc
Sumburgh	c	c	bcbc	c
Blacksod Point	bc	bc	bc	pr
Malin Head	pr	c	r	r
Aldergrove	bcc	c	cff	cffddv
Birr Castle	pr	pr		pr
Valentia Obsy.	pr	pr	pr	bc
Roches Point	pr	pr	c	bc

(2)

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales	Light variable wind: scattered showers with thunder in places: bright periods, especially at night: local fog around dawn: rather 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	Light or moderate Northeast winds: cloudy with occasional rain: cool.
13B N.W. Scotland; 14 Mid Scotland	Light or moderate Northeast wind: fair: cool.
15 N.E. Scotland	As 8-13A
16 Orkneys and Shetlands	As 13A - 13B
17 N. W. Ireland; 18 N. E. Ireland	As 8 - 13A
19 S. E. Ireland; 20 S. W. Ireland	As 0-7

GENERAL INFERENCE

Pressure is high to the northwest of the British Isles and low to the south and east. It will be cloudy with occasional rain in many northern districts. In the south there will be local showers or thunderstorms, and some patches of fog around dawn, but there will be considerable bright periods. Temperatures generally will be below normal.

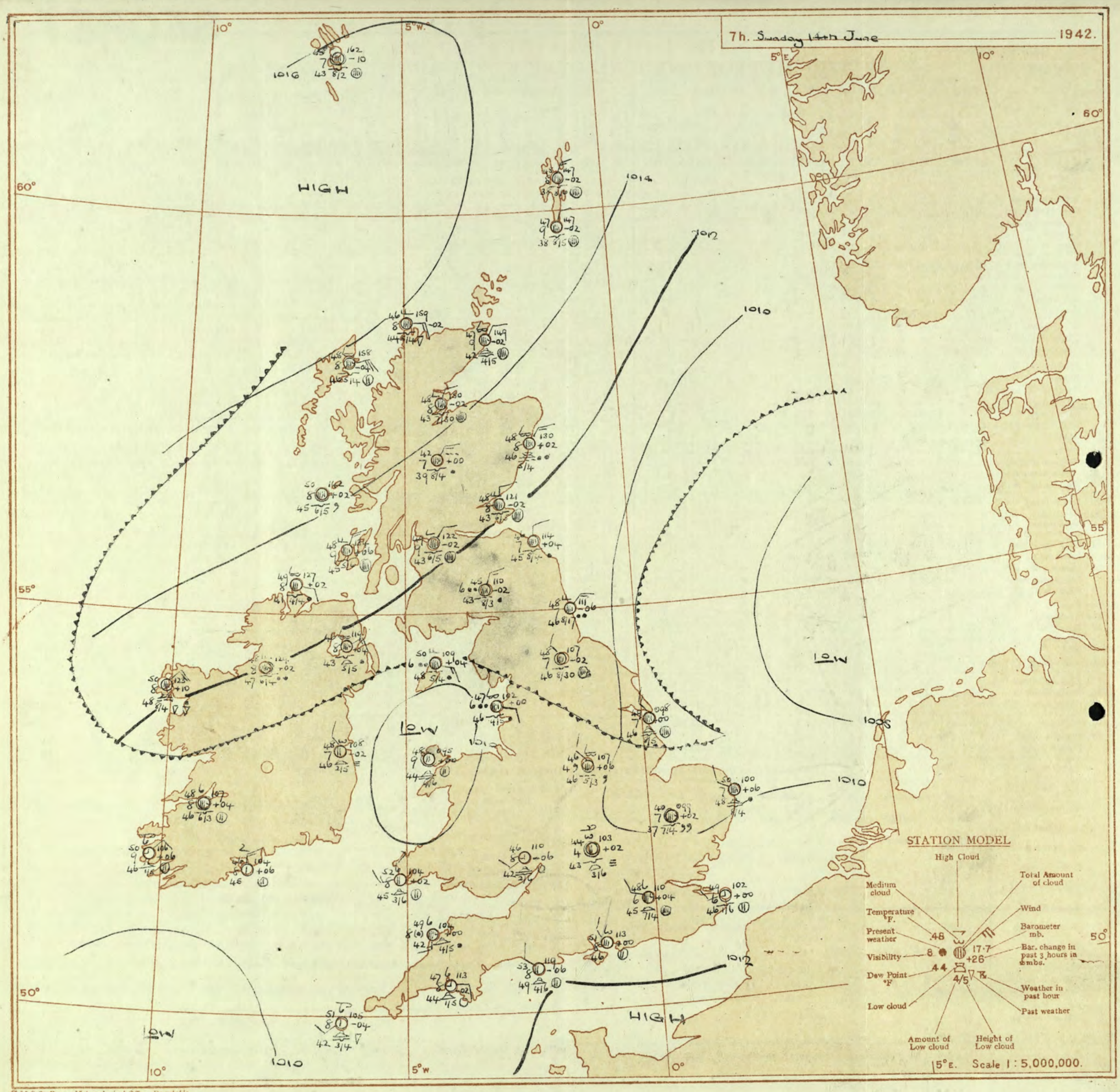
FURTHER OUTLOOK

Local showers or thunderstorms in many areas.

Forecasts issued at

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

7h. Sunday 14th June 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Sunday 14th June 1942

No. 29,424

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)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon	290	10.8	+2	SW	2	bc	46	92	43	6	5	-	-	2-3	2-3	3000
	S. Farnborough	226	11.1	-2	W'S	2	z	45	85	41	6	5	-	-	Tr	Tr	3000
	Boscombe Down	417	12.1	-2	WNW	2	b	42	92	40	8	5	-	-	1	1	5700
	Thorney Island	10	11.8	0	W	3	c	47	85	43	8	4	1	-	Tr	10	4000
	Lympne	283	11.7	+2	-	0	bc	43	92	40	7	-	6	-	0	4-6	-
	Manston	154	10.4	+2	WSW	1	z	46	92	44	6	5	-	-	2-3	2-3	2100
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	10.0	+6	WNW	2	z	52	92	49	6	5	-	-	9+	9+	2700
	Gorleston	5	09.3	+4	NW'N	2	r°r	50	97	49	6	6	-	-	10	10	800
	Mildenhall	15	10.2	+4	NW'W	1	z/	49	97	48	6	5	2	-	7-8	10	800
	Cranwell	203	10.6	+2	-	0	9/d	46	97	45	7	5	-	-	10	10	1000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	10.6	+2	NNW	1	m	41	97	40	4	-	4	-	0	1	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	11.3	-6	NW	3	ir	48	85	44	8	8	2	-	7-8	9	2500
	Bristol	209	12.1	-2	-	0	b	44	92	42	7	5	-	-	0	Tr	-
	Portland Bill	32	11.6	-4	NW	2	c	52	85	48	8	5	-	-	7-8	7-8	4000
	Plymouth	82	12.8	-4	-	0	b	41	97	40	7	5	-	-	Tr	Tr	4000
	The Lizard	240	13.3	0	W	1	bc	47	85	43	8	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	12.1	-12	SW'S	2	bc	48	85	43	8	8	-	-	2-3	2-3	1500
	Guernsey	175															
6	Pembroke	142	11.1	-4	W'S	3	bc	51	75	45	8	2	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	10.2	+6	NE	1	b	38	92	35	8	5	4	-	1	1	4000
	Chester (Sealand)	16	11.1	-4	-	0	m	42	97	41	4	5	7	-	7-8	9	4500
8	Manchester	235	10.7	-2	-	0	m/r	46	92	46	4	5	-	-	10	10	3700
10	Spurn Head	29	10.1	-2	N	3	id	49	85	46	7	3	-	-	10	10	800
	Catterick	175	11.6	-4	WNW	1	c	47	97	44	5	5	2	-	10	10	1800
	Tynemouth	108	11.5	-2	NNE	3	c	48	92	46	7	8	-	-	9+	9+	1500
11	St. Abbs Head	280	11.5	-6	NNW	3	c/r	46	97	46	7	5	-	-	10	10	1500
	Leuchars	36	13.0	-2	-	0	c	48	92	45	8	5	7	-	7-8	9+	1400
12	Renfrew (Abbots I.)	19	13.2	+4	N'E	1	r°r	45	92	43	6	5	2	-	7-8	10	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	11.4	0	E	6	r°r	49	97	48	7	6	2	-	7-8	10	1000
13A	Tiree	22	14.0	0	-	0	c/r	49	97	48	7	5	-	-	9+	9+	1800
13B	Stornoway	80	16.2	+6	NE	4	c	49	92	47	7	5	7	-	7-8	9+	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	13.4	-4	N	2	c	46	92	43	9	5	7	-	7-8	9	2000
	Wick	114	15.4	0	NE'E	2	c	47	85	43	8	8	6	-	4-6	9	3000
16	Sumburgh	19	15.5	-4	NE'N	3	c	46	85	41	8	5	-	-	9+	9+	2000
17	Blacksod Point	18	11.6	+2	NW	2	c	50	85	46	8	5	-	-	7-8	7-8	2500
18	Malin Head	84	12.7	+2	E'S	3	r°r	48	85	44	7	6	2	-	4-6	10	800
	Aldergrove	268	11.7	+2	E'N	1	r°r	47	92	45	6	5	2	-	7-8	10	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10.3	-6	E'N	2	c/pr	44	97	43	9	3	-	3	7-8	7-8	2500
	Roches Point	22	10.6	-6	W'N	2	bc	49	86	45	8	5	-	-	2-3	2-3	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)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	10.7	0	-	0	z	49	85	44	6	5	4	-	4-6	4-6	2500	1	*
Croydon	11.0	+4	WNW	2	c	48	85	45	6	1	4	-	9+	9+	1200	1	*
S. Farnborough	11.0	+2	WSW	1	b	47	85	41	8	-	7	-	0	1	-	1	*
Boscombe Down	11.5	-2	-	0	bc	44	92	42	7	8	3	-	4-6	4-6	4000	0	*
Thorney Island	11.3	0	NNW	1	c	51	85	46	8	-	5	-	0	7-8	-	0	*
Lympne	11.7	-2	WNW	1	b	48	85	44	8	2	6	-	Tr	Tr	4000	0	§2
Manston	10.2	-0	W'S	1	z	49	92	46	6	5	-	-	Tr	Tr	3000	0	*
Shoeburyness	10.5	0	W'N	2	c	52	85	49	6	5	-	-	9	9	1100	1	*
Felixstowe	09.6	-2	WNW	1	c	52	85	49	8	5	-	-	7-8	7-8	1300	0	2
Gorleston	10.0	+6	NW'W	2	c	50	92	48	7	8	-	-	10	10	1800	1	3
Mildenhall	09.9	+2	-	0	c/d	50	97	47	7	5	-	-	9+	9+	1000	1	*
Cranwell	09.8	-2	NW	2	c/r	47	92	45	6	6	-	-	7-8	10	500	1	*
Birmingham	09.3	0	W	1	z	50	65	39	5	5	-	-	Tr	Tr	2500	1	*
Upper Heyford	10.3	+2	-	0	m	44	97	43	4	7	3	2	2-3	4-6	4500	0	*
Ross-on-Wye	11.0	-6	SW	2	b	46	85	42	8	8	-	-	1	1	3500	0	*
Hartland Point	10.4	0	S	3	cjp	49	75	42	8	2	4	-	4-6	9	2000	1	3
Bristol	11.7	0	NE'E	1	c	49	92	47	7	8	3	-	4-6	7-8	4000	1	*
Portland Bill	11.9	-6	NW	1	bc	53	85	49	8	2	-	-	4-6	4-6	4000	1	3
Plymouth	11.3	-2	E	1	b	47	85	44	8	2	4	-	Tr	Tr	2500	0	2
The Lizard	10.8	-6	W'S	2	bc	52	85	46	8	8	6	-	4-6	4-6	3500	0	3
Scilly (St. Mary's)	10.5	-4	SW	2	bc	51	75	42	8	8	4	3	2-3	2-3	1500	1	2
Guernsey																	
Pembroke	10.4	+2	W'S	3	bc	52	75	45	8	2	4	4	2-3	4-6	3000	0	2
Holyhead (Valley)	09.5	0	-	0	bc	48	85	44	9	8	-	-	4-6	4-6	3000	0	1
Chester (Sealand)	10.2	+4	E'S	1	m/f	43	92	41	4	2	3	1	Tr	7-8	2500	0	*
Manchester	10.3	+2	-	0	m	46	97	45	4	5	3	-	7-8	9+	4000	1	*
Spurn Head	09.8	0	NNW	3	c	49	85	46	7	8	-	-	10	10	2800	1	3
Catterick	10.7	-2	NNW	2	c	48	92	46	7	5	-	-	10	10	3000	1	*
Tynemouth	11.1	-6	NE	3	o/r	48	92	46	7	-	2	-	10	10	1700	1	3
St. Abbs Head	11.4	+4	N	2	c	46	97	45	7	5	-	-	10	10	1200	1	3
Leuchars	12.1	-2	N	2	c	48	85	43	8	5	2	-	9	10	2000	1	*
Renfrew (Abbots I.)	12.2	-2	NE'N	1	c	49	75	43	9	5	1	-	9	10	2500	1	*
Eskdalemuir	11.0	-2	NNE	3	r°r	45	92	43	6	6	-	-	10	10	700	1	*
Point of Ayre	10.9	+4	E'N	4	ir	40	85	35	8	8	7	-	4-6	9+	1500	1	
Tiree	14.2	+2	-	0	c	50	85	45	8	5	-	-	9	10	2100	0	2
Stornoway	15.8	-4	ENE	5	c	48	92	46	8	5	7	-	7-8	9+	2000	1	2
Dalwhinnie	13.6	0	NE	3	o	42	92	39	7	5	-	-	10	10	1500	1	*
Aberdeen †	13.0	+2	NE	3	c/r	48	92	46	8	9	7	-	7-8	10	1500	1	3
Wick	14.9	+2	NE'N	2	c	47	85	42	9	8	7	-	4-6	9+	2000	0	*
Sumburgh	14.7	-2	N'E	2	c	47	75	38	9	5	-	-	10	10	2500	0	2
Blacksod Point	12.9	+10	NE	4	c/pr	50	92	48	8	9	-	-	10	10	1500	1	4
Malin Head	12.7	2	ESE	2	c	49	75	42	8	5	7	-	4-6	7-8	1500	1	2
Aldergrove	11.3	+4	NE'E	3	c	46	92	43	8	7	7	-	7-8	9+	2500	1	*
Birr Castle	10.5	+2	SSE	1	c	50	82	48	7	4	-	-	7-8	7-8	1500	1	*
Valentia Obsy.	10.6	+6	NE	1	b	50	85	46	9	2	4	3	Tr	1	2500	0	2
Roches Point	10.4	+6	N	3	bc	46	97	45	8	-	-	5	0	2.3	-	0	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 13th Hrs. (38)
London (Kew)	60	47	39	-	-	5.4
Croydon	61	44	41	-	Tr	3.8
S. Farnborough	60	41	34	-	Tr	4.9
Boscombe Down	60	38	31	Tr	-	6.4
Thorney Island	63	41	36	Tr	-	*
Lympne	61	40	*	-	-	3.2
Manston	61	44	41	-	Tr	3.5
Shoeburyness	53	46	36	-	-	5.3
Felixstowe	61	49	46	-	-	4.7
Gorleston	54	48	45	2	+	0.0
Mildenhall	56	47	44	0.2	2	0.0
Cranwell		46	45		0.3	0.0
Birmingham	54	42	32	0.2	-	0.2
Upper Heyford	56	39	34	-	-	*
Ross-on-Wye	61	37	30	0.6	-	6.6
Hartland Point	55	44	42	-	1	14.3
Bristol	58	39	28	2	0.2	7.8
Portland Bill	56	47	*	-	-	*
Plymouth	60	35	34	-	-	13.2
The Lizard	57	45	*	0.2	-	11.1
Scilly (St. Mary's)	58	46	*	3	Tr	10.4
Guernsey						
Pembroke	54	44	*	-	-	14.3
Holyhead (Valley)	55	38	30	-	-	*
Chester (Sealand)	54	37	28	0.4	Tr	0.0
Manchester	50	45	44	3	2	*
Spurn Head	54	47	38	-	1	0.0
Catterick	50	45	45	8	1	0.0
Tynemouth	50	46	45	10	3	*
St. Abbs Head	48	46	*	6	1	*
Leuchars	51	47	45	1	1	0.0
Renfrew (Abbots I.)	52	44	42	3	1	0.0
Eskdalemuir	50	41	40	1	2	0.0
Point of Ayre	54	47	*	2	6	0.5
Tiree	52	47	*	1	0.4	0.0
Stornoway	53	47	*	-	-	12.6
Dalwhinnie	50	41	40	0.2	1	0.0
Aberdeen †	51	46	43	0.2	1	1.0
Wick	51	40	41	-	Tr	*
Sumburgh	41	45	39	-	-	4.6
Blacksod Point	56	48	*	0.3	0.5	*
Malin Head	53	47		0.2	1	0.0
Aldergrove	58	44	39	-	5	[illegible]
Birr Castle	59	41	38	1	3	*
Valentia Obsy.	55	40	33	1	0.1	7.9
Roches Point	56	44	*	1	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	87	02855	06426	8-	02866	04826	80	01883	02323	5-	03998	02328
115	54	01954	08325	52	02944	08327	52	02844	08327	52	02845	08389
203				87	02945	04327				5-	02948	04428
206	5-	02967	08467	87	0295A	08328	31	02755	06167	51	02867	02128
210				77	02853	03368	5-	61844	02428	8-	02944	02328
220				53	01855	07215						
230	5-	22848	04168	62	22955	0A167	9-	62648	00868	57	02954	02167
245	62	62745	06368	62	61733	06368	92	02866	32267	52	51947	01368
260	52	51734	06368	52	62645	06268	62	02744	063·×	02	22748	04268
278	52	02744	10268	52	62855	09268	52	62844	06267	57	22865	07267
279	51	62744	06368	52	62645	05368	52	62665	03358	57	58754	32268
285	6-	64338	12368									
288	62	64625	05468	62	62635	03368	62	62445	29286	52	61545	2A228
575	26	01853	28213	8-	02966	32116	52	02746	06228	52	22846	00067
301	52	62745	26368	62	62734	28268	57	62554	00068	57	62654	10168
321	62	64636	01368	62	62715	32368	62	62634	32168	5-	61536	32168
299	5-	22748	04468	5-	62748	04468	5-	02756	30416	8-	02747	30227
292	62	62635	04268	62	04168	09850	52	05664	27128	73	05633	30326
310												
614	52	62445	28268				02	62527	06368			

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
333	8-	02965	30226	40	01963	20313	9-	01852	32102	3-	10854	20114
334	--	02644	20115									
340	5-	02858	31228	57	02865	32227	03	08490	24112	23	41861	00045
136	5-	51528	07358	5-	64517	03358	02	52638	32268	57	61645	24368
336	28	82754	28316	10	01762	28312						
350	27	02758	26427	27	01751	26324	51	05533	24124	--	48309	22149
368	24	00962	22413	20	00962	57402	50	01764	26184	80	02956	07116
379	27	02787	28348	2-	25847	28387	50	05551	32111	50	05663	02213
390	70	02755	25428	8-	05667	24327				5-	45318	26248
382	87	02745	28827	86	01745	26227	50	05662	28112	14	05661	[illegible]
438	58	01763	22513				80	01744	24414	24	01753	22314
430	2-	02768	24328	20	01883	21413	80	01763	26214	03	01790	26215
409				20	01964	24314	10	00853	15113	36	01953	18163

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	Afternoon	Night
Kew	cm°ccy	cbcy	bcybcw
Croydon	cm bcc	cbc	cp°bm°bc
Greenwich	bcc	c	bccbc
Camden Square	bc	c	*
Kensington	bc	bc	*
Hampstead	bc	bc	bcp

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0.1 Time 12-16h 13th
Min. <0.1 Time 0-5h 14th

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	60	47	39	-	-	5.4	*	*
Croydon	61	44	44	-	Tr	3.8	*	*
Greenwich	60	45	36	-	-	4.0	61	67
Westminster	60	48	47	-	-	*	77	87
Regents Park								
Camden Square	61	48	44	-	-	*	*	80
Kensington	61	47	43	-	-	*	64	78
Hampstead	59	50	47	Tr	-	*	*	81

SECRET

BRITISH SECTION

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

Monday 15th June 1942

No. 29425

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)	09·1	-14	WSW	1	c	60	46	38	7	8	-	-	7-8	7-8	2500
	Croydon	09·2	-12	W	2	c	59	55	42	7	2	-	-	7-8	7-8	2800
	S. Farnborough	09·1	-10	NNW	1	c	59	45	39	8	3	6	3	7-8	7-8	3000
	Boscombe Down	09·7	-10	W	2	c/pr	57	45	39	8	3	3	-	4-6	7-8	2500
	Thorney Island	10·1	-6	SSW	4	c	59	65	46	9	3	6	4	4-6	7-8	2500
	Lympne	10·6	-10	SSW	2	bc	60	55	44	8	2	3	5	2-3	2-3	3000
	Manston	09·8	-6	N	1	zo	55	75	46	6	9	-	-	9	9	1500
2	Shoeburyness	09·8	-14	S	2	zo	60	65	48	6	2	-	-	7-8	7-8	2500
	Felixstowe	09·2	-4	W	1	c	62	55	44	8	2	3	-	4-6	7-8	3000
	Gorleston	10·2	0	N'W	3	bc	54	75	48	7	2	-	-	4-6	4-6	2000
	Mildenhall	09·5	-6	NNW	2	c	57	75	47	8	2	7	2	4-6	9	2500
	Cranwell	09·7	-2	W	2	c	54	75	44	7	5	1	-	7-8	10	1500
3	Birmingham	08·7	-8	SE	2	zo	56	45	36	6	8	-	-	9+	9+	4000
	Upper Heyford	08·8	-10	N	1	c	57	55	40	8	2	6	-	7-8	7-8	2500
4	Ross-on-Wye	09·7	-6	NE	2	c	58	55	41	9	3	-	3	4-6	7-8	3500
5	Hartland Point	10·3	-2	WSW	2	bc	53	55	33	9	3	-	3	2-3	2-3	2500
	Bristol	11·3	+2	S	1	pr	49	92	46	7	8	7	-	7-8	9+	2500
	Portland Bill	10·4	-16	SW	1	c	55	85	51	8	2	-	-	7-8	7-8	4000
	Plymouth	10·9	-2	SW	2	c	57	65	47	8	8	3	-	4-6	7-8	2500
	The Lizard	10·8	0	—	0	c/pr	53	75	45	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	10·9	+2	W	2	bc	57	65	42	8	8	6	5	4-6	4-6	1500
	Guernsey															
6	Pembroke	10·6	+2	W'N	3	bc	54	75	46	9	2	6	4	2-3	4-6	3000
7	Holyhead (Valley)	09·6	-2	NNW	2	c	55	75	45	7	8	3	-	4-6	9+	3000
	Chester (Sealand)	09·7	0	N'E	3	zo	54	65	43	6	8	7	-	7-8	9+	2000
8	Manchester	09·8	-2	N	2	cf+	52	75	46	3	2	-	-	10	10	2500
10	Spurn Head	09·7	0	N'E	2	o	52	85	48	7	8	-	-	10	10	1500
	Catterick	10·4	+2	NE	1	rr	50	92	48	6	5	-	-	4-6	10	900
	Tynemouth	11·1	+2	NNE	4	fofo	49	97	48	7	-	2	-	10	10	1400
11	St. Abbs Head	11·5	+2	N	5	dodo	47	92	45	7	5	-	-	10	10	1200
	Leuchars	12·2	-4	SE	2	c/r	52	75	46	9	5	-	-	10	10	2500
12	Renfrew (Abbots I.)	12·2	-2	ENE	2	c/r	54	65	41	8	5	-	-	4-6	10	2000
	Eskdalemuir	11·0	-2	NE'N	3	ifo	51	75	43	8	5	-	-	10	10	1200
	Point of Ayre	11·1	0	NE'E	3	c	54	85	49	8	8	6	5	4-6	9+	1500
13A	Tiree	14·6	+4	N'W	1	bc	56	75	47	8	1	3	2	2-3	4-6	3500
13B	Stornoway	15·4	-4	NE	4	c	51	85	46	8	5	7	-	7-8	9+	2500
15	Dalwhinnie	13·8	0	NE	3	ifo	47	75	39	8	5	-	-	10	10	2500
	Aberdeen	12·3	0	NNE	3	ifo	49	85	44	8	5	-	-	10	10	1400
	Wick	15·0	-2	NNE	3	c	49	85	44	9	5	-	-	10	10	3000
16	Sumburgh	13·9	-6	NNE	2	c	50	75	42	9	5	-	-	9	9	3500
17	Blacksod Point	13·6	+2	N'W	3	c	53	75	45	8	8	-	-	9+	9+	1500
18	Malin Head	13·5	+2	NNE	3	c	53	85	49	8	5	1	-	2-3	9	1500
	Aldergrove	12·6	+4	NE	3	ifo	53	75	44	8	8	1	7	2-3	9+	2200
19	Birr Castle	11·4	+2	N	2	c	54	75	46	8	3	7	-	4-6	9	1500
20	Valentia Obsy.	12·3	+6	NNW	4	bc	58	65	47	9	8	-	-	4-6	4-6	2500
	Roches Point	11·1	+6	S'E	2	c/pr	53	85	49	9	3	-	3	4-6	7-8	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)	07·7	-6	WNW	3	c	59	45	38	7	8	-	-	9	9	2500	1	*
Croydon	08·1	-6	WSW	1	bc	60	45	41	7	3	3	-	4-6	4-6	3000	0	*
S. Farnborough	07·9	-4	WNW	2	bc	61	45	37	9	2	6	1	2-3	4-6	3500	0	*
Boscombe Down	09·4	+2	SW'S	3	bc	54	65	41	8	3	6	3	2-3	4-6	2500	0	*
Thorney Island	09·3	0	W	4	bc	59	65	45	9	2	3	6	2-3	4-6	2500	0	*
Lympne	08·3	-10	SSW	1	bc	57	45	37	9	2	6	1	1	4-6	3200	0	3
Manston	08·1	-8	S	2	bc	52	65	46	9	4	-	-	4-6	4-6	4000	0	§ *
Shoeburyness	08·5	-8	SSE	3	b	59	65	47	9	-	4	-	0	1	-	0	*
Felixstowe	08·3	-4	ENE	2	tlc	54	85	48	8	9	-	-	9	9+	4000	1	
Gorleston	09·6	-2	E	1	c	53	85	47	8	8	8	-	2-3	7-8	2200	1	2
Mildenhall	08·2	-4	NE'N	1	bc	57	65	44	8	2	-	3	4-6	4-6	2500	0	*
Cranwell	08·6	-6	NNE	3	zo	54	85	47	6	5	7	-	1	9+	3000	0	*
Birmingham	08·6	0	N	3	clr	53	65	42	6	8	7	-	9+	10	1500	1	*
Upper Heyford	07·9	0	W	2	bcjp	54	55	39	9	3	6	3	4-6	4-6	2100	0	*
Ross-on-Wye	09·0	-4	WSW	3	bc	57	65	42	9	2	-	3	2-3	2-3	3500	0	*
Hartland Point	10·4	+2	NW	3	bc	53	65	41	9	3	6	-	2-3	4-6	2500	0	·
Bristol	10·0	0	W	4	bc	56	65	45	8	3	6	-	2-3	2-3	4000	1	*
Portland Bill	10·0	-2	NW	2	c	55	85	51	8	2	-	-	7-8	7-8	4000	1	3
Plymouth	11·0	+4	E	1	pr	51	85	45	8	8	6	3	7-8	9	2000	1	2
The Lizard	11·0	+4	WNW	2	bc	55	65	45	8	2	6	-	4-6	4-6	2500	0	2
Scilly (St. Mary's)	11·4	+2	NW'N	2	bc	56	65	43	8	8	7	3	2-3	4-6	1500	1	2
Guernsey																	
Pembroke	10·6	0	NW'N	4	bc	54	85	48	8	2	6	8	2-3	4-6	3000	0	2
Holyhead (Valley)	09·8	+2	N	3	bc	54	75	46	8	2	-	8	4-6	4-6	3000	0	2
Chester (Sealand)	09·4	-2	WNW	3	zo	55	65	45	6	5	7	-	2-3	4-6	2500	0	*
Manchester	09·1	+2	N	3	zo	51	75	44	6	4	6	-	2-3	4-6	4000	1	*
Spurn Head	09·4	-2	N'E	4	c	50	85	46	7	8	-	-	9+	9+	2000	0	
Catterick	10·2	0	NNE	3	fofo	49	92	48	6	5	2	-	4-6	10	1000	1	*
Tynemouth	10·7	-2	N	4	fofo	48	91	46	7	-	2	-	10	10	1200	1	4
St. Abbs Head	10·8	-6	N	4	for	45	97	45	7	6	2	-	7-8	10	1000	1	4
Leuchars	11·8	-4	—	0	fofo	49	92	46	8	5	7	-	7-8	10	1500	1	*
Renfrew (Abbots I.)	11·8	-2	SE'S	1	c	54	75	46	6	5	3	-	7-8	9+	2500	1	*
Eskdalemuir	11·3	0	NNE	3	fofo	47	85	44	8	6	-	-	10	10	1100	1	*
Point of Ayre	11·3	0	NE'E	3	m	51	97	50	7	6	2	-	4-6	10	1000	1	3
Tiree	14·4	0	N	2	c	58	75	43	8	1	3	-	1	7-8	3500	0	3
Stornoway	14·8	-2	NNE	4	c	50	85	46	8	5	4	8	2-3	9	2500	0	2
Dalwhinnie	13·4	-2	NE	3	o	46	75	39	8	5	-	-	10	10	2500	1	
Aberdeen	12·2	-4	N	4	c	49	75	42	8	9	-	-	9+	9+	1400	1	3
Wick	14·3	-6	NE	3	c	49	92	47	9	5	-	-	9+	9+	3500	0	*
Sumburgh	13·6	-2	NE	3	c	49	75	42	9	5	-	-	10	10	3500	0	3
Blacksod Point	14·5	+10	NE	4	c	54	75	40	8	8	-	6	4-6	7-8	2500	1	4
Malin Head	13·6	-2	N	3	bc	53	75	45	8	8	-	3	2-3	4-6	2500	0	2
Aldergrove	12·5	+2	NNW	2	c/pro	53	75	45	9	3	6	8	4-6	7-8	3000	1	*
Birr Castle	11·6	+4	N	1	c	54	85	50	8	8	7	-	7-8	9	1500	1	*
Valentia Obsy.	13·8	+10	N'W	5	c	56	65	45	9	2	-	2	4-6	7-8	2500	0	5
Roches Point	11·9	+2	NW'N	3	c/r	52	97	51	8	3	-	3	4-6	7-8	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)	bbccy	cy	cyprozo	cbcbw
Croydon	cmobcy	cybcy	cprobmo	bmowbcw
S. Farnborough	bbccy	cbcy	bcycirocbmo	bjfbocmow
Boscombe Down	bccpro	cprbbc	bcjpbw	bccmo
Thorney Island	bcybc	bc	bcb	bwbcc
Lympne	bczobcy	bcyv	bcvbmowm	ffgwbmo
Manston	b,cmo bczo	bczopro	bctcmo	cmobmo
Shoeburyness	bcmoczo	czobczocb		bcemo
Felixstowe	cbc	bcjctlro	tlrctlmow	bcmowcmo
Gorleston	ciro	cirobc	cprocmo	cbc
Mildenhall	cidomoc	cbccbc	bcbcmobmow	cidomoc
Cranwell	cmoc	ccmoc	cmorrcmo	cmoidoiro
Birmingham	bbcz	ct	tlcir	ciro
Upper Heyford	bcmobc	cbcjp	jpbcmo	bcmcmo
Ross-on-Wye	bcpoct	bctbc	bcc	ccdo
Hartland Point	cpbcy	bc	bc	bcc
Bristol	bccPR	cppobc	bcmopro	bccpro
Portland Bill	bcc	c	cbc	bcc
Plymouth	bc	bcprocro	cprobw	bcciro
The Lizard	bc	bprbc		bcprc
Scilly (St. Mary's)	b	bc		bc
Guernsey				
Pembroke	bc	bc	bc	ciro
Holyhead (Valley)	cproc	cbc	bcciro	cprofo
Chester (Sealand)	c	bczo	cprodomo	cidofofomo
Manchester	cprom	cmpro	cmoiro	irofofo
Spurn Head	o		cir	orr
Catterick	crocrrmo	crofcmo	crofomo	crofo
Tynemouth	ofofo	ofofo	ofofo	ofofo
St. Abbs Head	cocdodo	cro	cfor	croc
Leuchars	cidoiro	ccrofo	ccrofo	crofoc
Renfrew (Abbots I.)	ciroc	cproc	cmoroiro	moiroc
Eskdalemuir	cloiro	ciro	crofo	crriro
Point of Ayre	ciroc	crr	roiro	roroiroc
Tiree	bbc	bcc	bcc	c
Stornoway	c	c	c	c
Dalwhinnie	ociroo	o		obpr
Aberdeen	ciro	ciro	ciro	ciro
Wick	c	c	c	cv
Sumburgh	c	c		cidoc
Blacksod Point	c	bc	bc	c
Malin Head	r	c	c	c
Aldergrove	ciroproiro	ciropro	c	bcccido
Birr Castle	pr	pr		pr
Valentia Obsy.	bc	bc	pr	pr
Roches Point	pr	pr	pr	bc

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

Districts	Forecast
1 S.E. England	Light Northwest winds; some bright periods but with local thundery showers in afternoon and evening; rather cool.
2 E. England; 3 E. Midlands	Light to moderate West to Northwest winds; dull with light local rain at first; probably brighter periods tomorrow; cool.
4 W. Midlands; 5 S.W. England; 6 South Wales	Light to moderate North to Northwest winds; considerable fair to fine periods; some local showers at first; a little warmer than of late.
7 North Wales; 8 N.W. England; 9 N. Midlands	Light to moderate Northwest winds; cloudy; light occasional rain; probably fairer tomorrow; cool.
10 N.E. England; 11 S.E. Scotland	Moderate Northerly winds; dull; occasional rain; very cool.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland	Light or variable winds; mainly fair; some bright periods; rather cool.
14 Mid Scotland; 15 N.E. Scotland	Light Northerly to variable wind; mainly cloudy; slight showers locally probably more general rain or drizzle later; cool.
16 Orkneys and Shetlands	As 14-15.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 4-6.

GENERAL INFERENCE

A shallow low pressure system covers the North Sea and another shallow system is drifting slowly south from the Icelandic area. A feeble ridge of higher pressure is moving in over our Southwest districts. Weather will be mainly fair in the Southwest, but in the eastern counties the dull cold conditions will persist with some further light rain

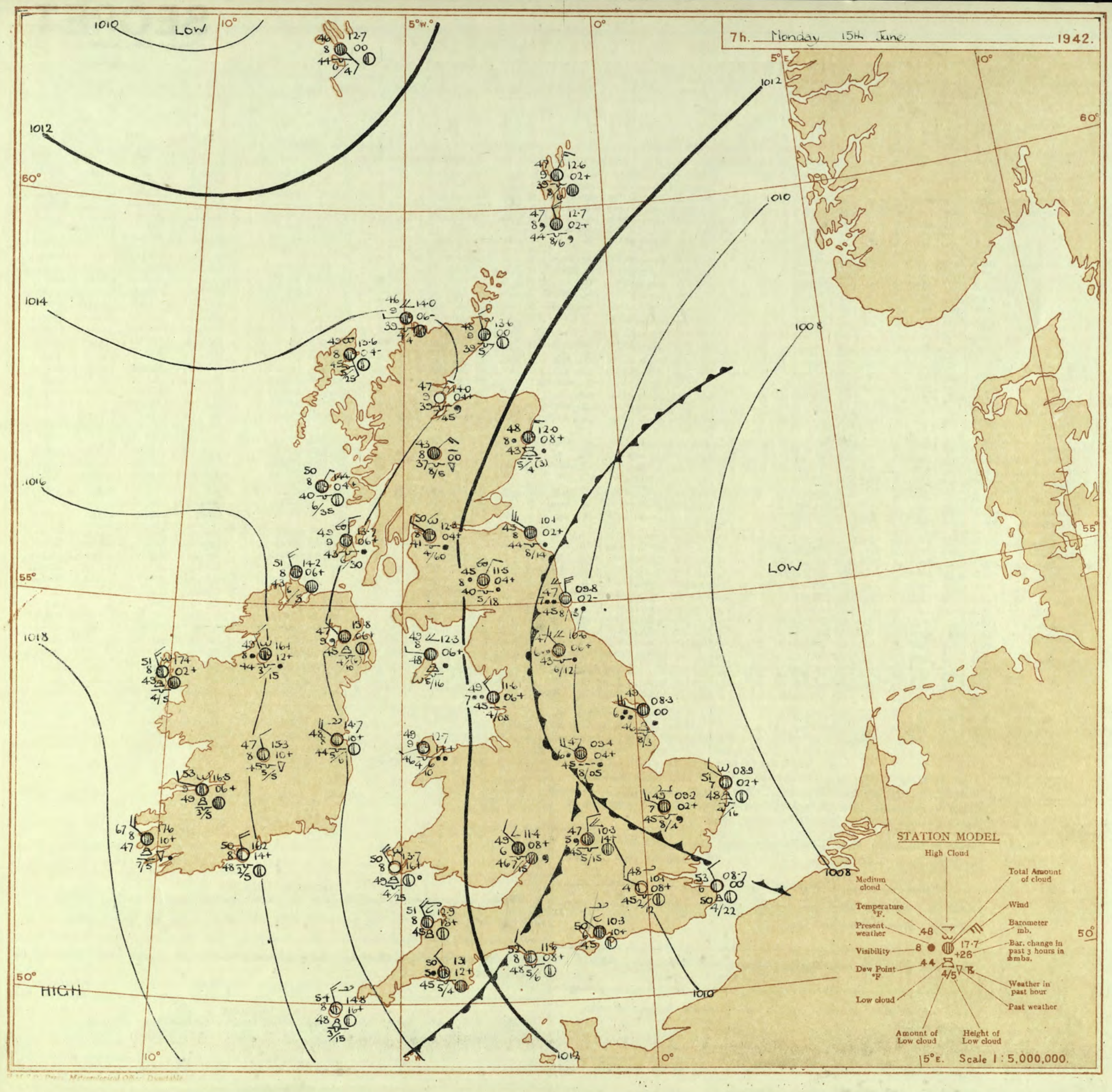
FURTHER OUTLOOK

Probably dull with some rain in the Northeastern districts of Britain. Fair to bright periods in the West and 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

7h. Monday 15th June 1942.



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

Explanation of Frontal Lines shown on Charts

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

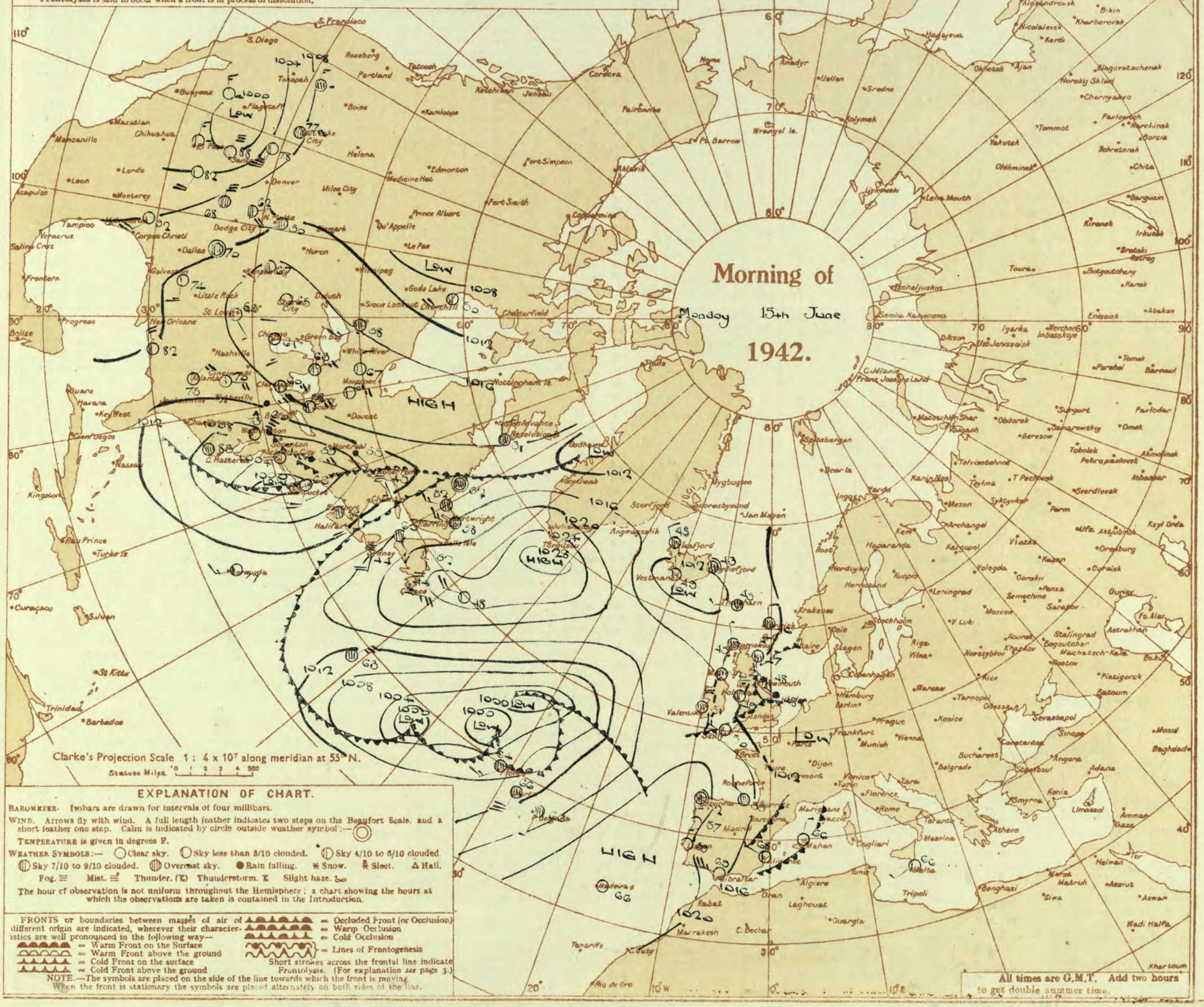
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Monday 15th June 1942

No. 29425

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	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon	290	08·9	-2	SW	1	b	43	97	42	6	5	-	-	Tr	Tr	3000
	S. Farnborough	226	09·3	-2	W'W	1	z0	45	85	41	6	-	-	-	0	0	-
	Boscombe Down	417	09·9	-2	NW'W	1	b	42	92	41	7	-	-	-	0	0	-
	Thorney Island	10	09·3	-2	NW	2	b	46	85	43	7	5	-	-	Tr	Tr	4000
	Lympne	283	09·6	-2	-	0	z0	44	97	43	6	-	6	-	0	Tr	..
	Manston	154	08·2	-6	WNW	1	z0	49	92	46	6	4	-	-	9+	9+	5700
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	08·4	-2	NW'W	1	z0	47	92	46	6	-	-	-	0	0	-
	Gorleston	5	09·2	0	N'W	1	c/pr	50	92	47	6	8	-	-	9+	9+	1500
	Mildenhall	15	08·6	-2	NNW	2	fg	43	97	42	6	5	-	-	1	1	2500
	Cranwell	203	09·2	-2	NW'N	3	z0	48	97	47	6	5	-	-	10	10	2300
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	08·9	-2	WNW	1	z0	44	92	42	5	5	-	-	2-3	2-3	5700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	11·0	0	NW	3	bc	51	85	46	8	2	6	-	2-3	4-6	1500
	Bristol	209	10·8	+2	-	0	z0	45	97	44	6	5	-	-	2-3	2-3	2500
	Portland Bill	32	10·8	-6	NW	2	bc	51	85	47	8	5	-	-	4-6	4-6	4000
	Plymouth	82	11·7	+2	-	0	b	45	92	42	8	-	3	-	0	Tr	-
	The Lizard	240	12·4	+6	NNW	3	L	45	97	44	8	8	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	12·7	+2	NW'N	3	bc	50	85	43	8	8	6	3	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	12·1	+6	NNW	3	bc	49	92	47	7	2	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	11·3	+6	N	3	pr	49	92	47	8	8	7	2	4-6	7-8	2500
	Chester (Sealand)	16	10·4	+4	N'W	1	dodo	49	92	47	4	5	2	-	4-6	10	2000
8	Manchester	235	10·2	+2	NNW	1	ifo	47	92	45	6	5	2	-	7-8	10	2500
10	Spurn Head	29	09·0	-2	NW	4	ir	48	92	46	6	7	-	-	4-6	4-6	1500
	Catterick	175	10·2	-6	NNW	2	fofo	45	97	44	6	5	2	-	9	10	1200
	Tynemouth	108	10·4	-2	N	5	fofo	47	92	45	6	-	2	-	10	10	1500
11	St. Abbs Head	280	11·3	-6	N	4	fofo	45	97	45	7	5	-	-	10	10	1500
	Leuchars	36	11·6	-2	N	2	fofo	47	85	43	7	5	-	-	4-6	9	2000
12	Renfrew (Abbots I.)	19	12·1	-4	-	0	ifo	49	92	48	6	5	-	-	9+	9+	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	11·9	0	ESE	1	fofo	49	92	47	8	8	2	-	9	10	1500
13A	Tiree	22	14·4	+8	N	3	c	48	75	41	8	5	-	-	9+	9+	3500
13B	Stornoway	80	14·6	-2	NW	1	c	45	92	43	8	5	7	-	7-8	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	12·2	-6	N'W	3	c/r	47	92	45	8	5	-	-	9+	9+	3000
	Wick	114	14·0	-2	N	3	c	47	85	43	8	5	-	-	10	10	2500
16	Sumburgh	19	12·9	-4	NE'N	2	c	45	75	37	8	5	-	-	10	10	3000
17	Blacksod Point	18	16·3	+2	NW	1	c	48	91	46	9	5	-	-	9	9	2500
18	Malin Head	84	13·9	+2	N	2	c	50	75	42	8	5	-	-	10	10	2500
	Aldergrove	268	13·4	+2	NW'N	1	bc	45	97	44	8	5	-	1	2-3	4-6	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16·0	+6	N'E	4	c/pr	51	85	47	8	8	-	-	9	9	2500
	Roches Point	22	14·0	+6	NW'N	4	bc	49	92	47	8	3	-	-	2-3	2-3	1500

OBSERVATIONS at 7 hr. G.M.T. 15th 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)	10·2	+12	NW'N	1	z0	50	85	46	6	-	5	-	0	2-3	-	1	*
Croydon	10·1	+8	NW	1	m	48	92	45	4	5	-	1	1	2-3	1200	0	*
S. Farnborough	10·6	+10	W'N	1	z0	46	85	43	6	5	7	-	4-6	7-8	3000	0	*
Boscombe Down	11·2	+10	NW	3	c	48	85	44	7	8	-	-	9	9	2000	0	*
Thorney Island	10·3	+10	NW	2	z0	50	85	45	6	-	4	2	0	9	-	0	*
Lympne	09·9	0	NW'N	2	z0	51	85	46	6	-	-	1	0	Tr	-	0	§1
Manston	08·7	0	NW'N	2	z0	53	85	50	6	2	-	-	4-6	4-6	2200	0	*
Shoeburyness	10·0	+8	NNW	2	z0	51	85	47	6	5	7	-	7-8	7-8	4700	0	*
Felixstowe	08·7	+4	NW'N	2	z0	50	92	48	6	5	7	-	4-6	7-8	5700	1	1
Gorleston	08·9	+2	NW	2	bc	51	92	48	7	8	3	-	4-6	7-8	1600	1	2
Mildenhall	09·2	+6	WNW	3	c	49	85	45	7	5	-	-	10	10	1500	1	*
Cranwell	09·4	+4	WNW	4	ifo	47	92	45	6	6	-	-	10	10	500	1	*
Birmingham	10·7	+8	NW	3	c/r	46	91	44	5	6	-	-	10	10	1600	1	*
Upper Heyford	10·3	+14	N'W	2	ido	47	92	45	5	5	2	-	7-8	10	1500	0	*
Ross-on-Wye	11·4	+8	NW'N	2	c/d	49	92	46	6	5	1	-	9+	10	1500	0	*
Hartland Point	12·9	+18	NNW	4	c	51	75	45	8	2	4	3	2-3	7-8	1200	0	3
Bristol	12·1	+12	NW	2	c/pr	49	92	47	6	5	2	-	9	10	2500	1	*
Portland Bill	11·6	+8	NW	2	c	52	85	48	8	5	-	-	7-8	7-8	4000	1	3
Plymouth	13·1	+12	NW'N	2	ifo	50	85	45	5	5	5	-	7-8	9+	6000	0	2
The Lizard	13·6	+12	NNW	3	c	52	92	50	8	8	6	-	7-8	7-8	2500	1	3
Scilly (St. Mary's)	14·8	+16	NNW	3	bc	54	85	48	8	8	4	2	2-3	4-6	1500	1	2
Guernsey																	
Pembroke	13·7	+16	NW'N	4	c/r	50	97	49	8	8	6	-	4-6	7-8	2500	0	2
Holyhead (Valley)	12·7	+14	W'S	1	c/r	49	85	46	9	5	-	-	4-6	9	1000	1	2
Chester (Sealand)	12·0	+16	NW	3	fofo	49	85	45	6	5	2	-	2-3	9+	2000	1	*
Manchester	10·8	+6	WNW	2	fofo	47	97	46	5	5	2	-	4-6	10	2500	1	*
Spurn Head	08·3	0	WNW	5	rr	49	91	46	6	8	-	-	10	10	800	1	4
Catterick	10·6	+6	NW	3	fofo	47	85	43	6	5	2	-	9	10	1200	1	*
Tynemouth	09·8	-2	N	5	fofo	47	92	45	7	-	2	-	10	10	1500	1	3
St. Abbs Head	10·1	+2	NW	5	c	45	97	44	8	5	-	-	10	10	1400	1	4
Leuchars	11·8	+6	NW	2	c	48	85	43	8	5	3	1	7-8	7-8	3500	1	*
Renfrew (Abbots I.)	12·3	+4	NNW	1	c	50	75	41	8	5	5	5	4-6	9	6000	1	*
Eskdalemuir	11·5	+4	NNE	2	ifo	45	85	40	8	5	7	-	7-8	9	1800	1	*
Point of Ayre	12·3	+6	W	1	c	49	92	48	8	8	2	-	7-8	10	1600	1	1
Tiree	14·4	+4	N'E	1	c	50	65	40	8	5	-	-	9	9	3500	0	3
Stornoway	13·6	-4	SSE	1	c	49	85	45	8	5	7	-	7-8	9+	2500	0	1
Dalwhinnie	13·0	0	NE	3	o	43	75	37	8	5	-	-	10	10	2500	1	*
Aberdeen †	12·0	+8	N'E	3	ifo	48	75	43	8	9	2	-	7-8	9+	1400	1	3
Wick	13·6	0	NNW	2	c	45	75	39	9	5	3	-	7-8	9	3000	0	*
Sumburgh	12·7	+2	N'W	3	c/d	47	85	42	8	5	-	-	10	10	3000	0	2
Blacksod Point	17·4	+2	NNW	3	c	51	85	47	8	8	3	-	4-6	7-8	2500	0	3
Malin Head	14·2	+6	NNW	3	c	51	75	43	8	5	-	-	9	9	2500	0	3
Aldergrove	13·8	+6	NW	3	ido	47	92	45	9	8	-	-	4-6	10	1000	1	*
Birr Castle	15·3	+10	NNW	2	c	47	92	45	8	5	-	-	7-8	7-8	2500	1	*
Valentia Obsy.	17·6	+10	NW'N	4	c/r	51	85	47	8	8	-	-	9+	9+	2500	1	3
Roches Point	16·2	+14	NNW	4	bc	50	92	48	8	5	-	5	1	4-6	2500	1	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 14th Hrs. (38)
London (Kew)	62	45	29	-	Tr	7·8
Croydon	63	41	38	-	0·3	8·5
S. Farnborough	63	42	31	-	Tr	11·6
Boscombe Down	61	40	36	0·1	Tr	8·0
Thorney Island	60	41	36	-	-	*
Lympne	61	38		-	-	12·1
Manston	60	41	32	0·3	-	5·1
Shoeburyness	63	41	34	-	Tr	9·3
Felixstowe	65	43	39	2	"	7·8
Gorleston	57	48		1	-	4·4
Mildenhall	59	41	35	0·4	Tr	6·1
Cranwell	57	45	45	-	3	0·9
Birmingham	59	46	43	Tr	3	7·1
Upper Heyford	61	42	40	-	-	*
Ross-on-Wye	59	45	40	0·2	Tr	8·6
Hartland Point	58	49	46	0·6	-	12·6
Bristol	59	44	33	8	Tr	8·7
Portland Bill	56	49	*	—	-	*
Plymouth	59	45	38	1	Tr	11·0
The Lizard	58	44	*	Tr	1	13·4
Scilly (St. Mary's)	60	49	*	-	Tr	12·3
Guernsey						
Pembroke	56	43	*	Tr	Tr	13·0
Holyhead (Valley)	57	47	44	Tr	0·1	*
Chester (Sealand)	58	47	46	-	1	4·6
Manchester	55	43	43	0·2	1	*
Spurn Head	52	48	48	0·3	1	0·0
Catterick	51	44	43	8	3	0·0
Tynemouth	51	46	45	3	5	*
St. Abbs Head	47	44	*	2	4	*
Leuchars	53	46	43	1	0·3	0·1
Renfrew (Abbots I.)	57	46	41	0·1	Tr	0·4
Eskdalemuir	52	42	41	0·2	2	0·0
Point of Ayre	57	48	*	1	4	1·9
Tiree	57	46	*	-	-	6·8
Stornoway	52	43	*	-	-	5·5
Dalwhinnie	47	40	39	Tr	0·1	0·1
Aberdeen †	50	45	44	Tr	Tr	0·0
Wick	51	44	43	-	-	*
Sumburgh	52	45	39	-	Tr	2·1
Blacksod Point	57	46	*	1	--	*
Malin Head	53	48		1	-	5·8
Aldergrove	57	41	33	Tr	1	2·9
Birr Castle	59	41	38	1	1	4·1
Valentia Obsy.	59	50	46	-		14·4
Roches Point	55	49	*	6	0·4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 14th June $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 15th June $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
109	57	02966	32327	8-	02967	01427	5-	03868	30228	53	02965	30327
115				52	10944	04227	52	02944	04227	52	02944	24126
203				5-	02958	04428				53	02945	04328
206	5-	02968	08328	5-	02968	08228	5-	52758	00058	5-	02967	02257
210	87	02957	03328	53	01228	13610	5-	02858	31468	5-	02968	30328
220				57	02953	05316				51	02955	05117
230	5-	02965	32315	7-	01964	32114	53	02864	02126	5-	02967	02727
245	5-	51958	02458	57	22956	01468	5-	02957	32327	8-	02955	32326
260	52	02744	04228	62	62645	04368	57	22544	00066	5-	02756	25166
278	87	25855	02487	77	02864	30487	5-	02877	26267	5-	02844	26327
279	51	62735	05468	81	81854	04488	62	64656	02268	52	62854	30167
285										6-	63637	30467
288	62	62645	01468	91	81545	32388	63	62536	28388	5-	62545	27368
575	?-	02858	06228	86	02955	04225	50	01852	32124	83	61843	30267
301	26	05654	28265	92	81745	03288	52	82656	02268	62	62734	28368
321	87	05655	26268	8-	61768	02268	57	61646	32268	62	61636	28268
299	8-	61738	30268				80	63727	30227	5-	64648	26468
292	83	02757	04228	52	62635	02168	62	62645	28368	62	22747	27368
310										--	52628	32458
614	57	52654	10158	07	05596	02225	62	21445	32158	52	52555	28156

III	13h. G.M.T. 14th June $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 15th June $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
333	2-	02747	26317	2-	02866	32386	5-	51864	02288	67	21836	01258
334										--	55547	24198
340	2-	02957	32127	6-	05657	01327	02	61590	32268	8-	21748	11847
136	37	61734	25268	13	01852	01265	5-	22754	29368	57	52636	27367
330										62	62636	28368
350	2-	02755	29145	36	11265	04285	40	05664	18184	57	00564	27228
368												
379	2-	02856	30216	3-	25946	28486	00	05590	32180	6-	61438	30846
390	2-	02755	28125	86	02735	28325	00	08490	00100	5-	08437	25217
382	26	01864	26315	36	01863	23304	07	05690	00013	5-	05658	00028
438	04	01890	22313	44	01863	22214	50	05653	32313	03	00690	12112
430	20	02863	16315	28	02864	18815	40	05661	26212	00	05690	28116
409	36	01963	30203	36	02964	28314	10	00853	28213	86	25855	31485

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 15th 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	bbccy	cy	cypcz
Croydon	cnzbcy	cybcy	cpgbm
Greenwich	bczy	czy	cptlrlr
Camden Square	c	c	*
Kensington	bc	bc	*
Hampstead	bc	bc	0

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0·2 Time 6-7h. 15th. Min. <0·1 Time 12-15h 14th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	62	45	29	-	Tr	7·8	*	*
Croydon	63	41	38	-	0·3	8·5	*	*
Greenwich	64	44	29	-	1	6·6	39	76
Westminster	63	46	42	0·3			66	92
Regents Park	64	44	33	•	-		65	79
Camden Square	65	46	39	-	Tr	•	•	79
Kensington	64	43	38	-	2		53	83
Hampstead	62	42	38	-	-		*	79

Page 1 BRITISH SECTION

SECRET

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

Tuesday 16th June, 1942

No. 29426

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)	11·6	+6	WNW	3	c	54	65	42	7	5	2	-	9	10	1500
	Croydon	11·7	+6	W'N	4	pr	53	75	43	6	9	-	-	2-3	10	2500
	S. Farnborough	11·9	+6	WNW	3	c	54	65	42	7	7	3	-	7-8	7-8	2500
	Boscombe Down	13·1	+10	NW'N	4	c	55	55	42	8	2	-	-	9+	9+	1600
	Thorney Island	12·1	+8	NW'W	3	c/pr	55	75	47	7	8	-	-	2-3	9+	2500
	Lympne	12·0	+8	NW	3	PR	52	75	42	6	2	-	-	10	10	2500
	Manston	10·7	+6	NNW	3	z_0	55	75	49	6	2	6	-	9	10	2000
2	Shoeburyness	11·3	+4	NW'W	4	z_0	59	55	45	6	8	-	-	4-6	7-8	3000
	Felixstowe	09·9	+4	WNW	4	c	56	65	44	7	8	-	-	10	10	2500
	Gorleston	09·2	+2	NW	3	pr	53	65	43	7	8	-	-	9+	9+	2000
	Mildenhall	10·3	+2	NW'W	4	ir_0	52	85	43	7	5	7	-	4-6	10	1000
	Cranwell	10·5	+6	WNW	5	id_0	51	85	46	5	6	1	-	9+	10	500
3	Birmingham	12·4	+4	NW	3	c	53	75	46	7	8	-	-	9	9+	2500
	Upper Heyford	11·4	+4	WNW	4	c	52	75	44	7	8	7	-	4-6	10	1800
4	Ross-on-Wye	12·6	0	NW	3	c	58	65	46	9	8	-	-	7-8	7-8	3500
5	Hartland Point	15·5	+10	NNW	4	bc	53	75	43	3	3	4	-	2-3	4-6	1800
	Bristol	13·8	+10	WNW	3	pr	47	75	38	9	8	7	-	4-6	9+	2500
	Portland Bill	13·2	+10	W	3	c	57	85	53	8	5	-	-	10	10	4000
	Plymouth	15·5	+14	NNW	4	c	57	65	45	8	8	-	-	7-8	7-8	2000
	The Lizard	16·3	+18	NW	4	bc	59	65	47	8	2	4	-	4-6	4-6	1500
	Scilly (St. Mary's)	18·1	+16	NW'N	3	bc	60	65	49	8	8	4	-	2-3	4-6	1500
	Guernsey															
6	Pembroke	16·1	+10	NW	4	bc	55	75	45	8	8	-	-	2-3	2-3	2500
7	Holyhead (Valley)	13·8	+6	NNW	4	c	54	65	43	8	8	-	-	2-3	9+	3000
	Chester (Sealand)	13·4	+8	WNW	4	c	55	65	44	7	2	7	-	4-6	9	2400
8	Manchester	11·8	+2	NW'W	3	c	52	75	44	6	2	-	-	10	10	2000
10	Spurn Head	08·3	0	NW'W	6	rr	50	92	48	7	8	2	-	7-8	10	800
	Catterick	11·5	+6	NNW	4	ir_0	51	75	43	7	5	2	-	7-8	10	2000
	Tynemouth	11·5	+12	NNW	5	r_0r_0	49	92	46	6	-	2	-	10	10	1600
11	St. Abbs Head	11·6	+4	N	4	c	47	92	43	8	5	4	-	9	9+	2000
	Leuchars	12·2	+2	SE	3	c	55	75	48	8	7	7	-	7-8	9+	3000
12	Renfrew (Abbots I.)	12·4	-2	NNW	1	c	58	55	40	9	7	4	8	7-8	9	3000
	Eskdalemuir	11·7	0	N	2	c	53	65	41	8	5	-	-	10	10	3300
	Point of Ayre	13·3	+2	NW'N	3	c	56	85	51	8	8	7	-	1	10	3500
13A	Tiree	15·3	+2	—	0	bc	54	65	43	9	1	3	-	1	2-3	5500
13B	Stornoway	14·9	-10	SSE	3	c	50	85	46	9	5	7	-	7-8	9+	2000
15	Dalwhinnie	14·0	0	NE	3	bc	52	55	37	8	2	-	-	4-6	4-6	2500
	Aberdeen	12·7	+2	NNW	4	c	52	65	41	8	7	-	-	9	9	2500
	Wick	14·1	+4	N	1	c	50	75	42	9	8	7	-	7-8	9+	2000
16	Sumburgh	13·4	+2	ENE	3	c	49	75	40	9	5	-	-	9+	9+	3000
17	Blacksod Point	16·9	-2	W	3	bc	56	65	44	9	2	-	2	2-3	4-6	4000
18	Malin Head	14·9	+2	N'W	2	bc	53	75	45	8	2	-	-	4-6	4-6	2500
	Aldergrove	14·9	+4	NW'W	3	c	58	65	46	9	8	-	-	9+	9+	3000
19	Birr Castle	16·1	+6	NNW	2	c	56	75	48	8	8	2	-	7-8	10	1500
20	Valentia Obsy.	18·8	+6	WNW	4	bc	56	65	44	9	8	-	3	4-6	4-6	2500
	Roches Point	17·2	+2	NW'N	4	c	56	85	52	8	8	-	-	9	9	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. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 15th (39)	13h.–18h. 15th (40)	18h. 15th to 1h. 16th (41)	1h.–7h. 16th (42)
London (Kew)	12·7	+4	NW'N	2	p/r	56	65	43	6	5	-	-	10	10	2500	0	*	r_0m_0c	cyr_0cz_0	cz_0	cm_0
Croydon	12·6	+6	WNW	3	pr	55	65	44	6	8	-	-	7-8	10	3000	0	*	cm_0cz_0		cz_0pr_0z	cz_0m_0c
S. Farnborough	13·2	+8	W'N	3	c	57	55	42	8	7	3	-	4-6	7-8	7000	0	*	cm_0c	ccy	cyc	c
Boscombe Down	14·0	+2	NW'W	1	pr	55	75	48	8	8	4	-	7-8	7-8	1800	0	*	cid_0pr_0	$cprcpr_0$	c/pbc	$bccwbm_0$
Thorney Island	13·6	+6	NW	3	c/pr	56	75	48	8	8	6	1	7-8	9	4000	0	*	cm_0cpr_0	$ccpr_0$	[illegible]	cbc
Lympne	12·9	+6	NW	2	z_0	55	75	48	6	5	-	-	9+	9+	4000	0	2	cm_0pr	$cprpr_0m_0$	cz_0m_0	[illegible]
Manston	11·5	+8	NW'W	3	z_0	55	85	49	6	2	-	-	10	10	2500	0	*	$bccm_0$	$cbccz_0m_0$	[illegible]	[illegible]
Shoeburyness	12·4	+8	NW'N	3	pr	56	75	46	5	5	2	-	7-8	10	2800	0	*	cm_0cz_0	[illegible]		
Felixstowe	10·9	+8	NW'W	4	c/r	53	75	45	7	5	2	-	7-8	10	2500	0	3	bm_0c	ir_0cm_0c	[illegible]	[illegible]
Gorleston	09·6	+2	NW'N	4	r_0r_0	51	92	49	7	6	-	-	10	10	1500	1	3	$bccpr_0$	or_0r_0	[illegible]	[illegible]
Mildenhall	11·7	+8	WNW	4	r_0r_0	51	75	44	6	5	2	-	4-6	10	1500	1	*	$ccir_0$	cir_0cr_0r	[illegible]	[illegible]
Cranwell	11·7	+4	WNW	5	dd	51	85	47	6	6	-	-	10	10	2500	1	*	$crrm_0ccid$	$cid_0m_0d_0d$	[illegible]	$bccm_0$
Birmingham	13·6	+6	NW	3	c	53	65	42	7	5	-	-	9+	9+	4000	1	*	ir_0c	c	cbc	bcc
Upper Heyford	12·7	+6	WNW	4	c	54	65	43	7	5	3	-	9	9+	2500	0	*	$cm_0d_0cm_0$	ccm_0c	cbccm	czcbc
Ross-on-Wye	13·9	+4	N	2	c	55	75	47	8	8	-	-	9	9	3500	0	*	p_0cp_0c	p_0cpc		bcb
Hartland Point	16·8	+6	WNW	4	bc	54	65	43	8	2	4	1	2-3	4-6	2000	0	3	cbc	cbc	bcc	c
Bristol	14·8	+6	NW'W	4	bc	56	65	43	8	4	6	-	4-6	7-8	3000	0	*	cr_0pr_0	ccr_0cbc		bccw
Portland Bill	14·7	+6			bc	55	85	51	8	2	-	-	4-6		4000	1	3	cpr	cbc	c	c
Plymouth	16·8	+6	NNW	3	bc	57	65	44	8	1	-	-	2-3	2-3	3000	0	3	$cbccpr_0$	cbcybc	bcc	cbc
The Lizard	17·4	+2	NW	4	bc	56	75	48	8	2	6	-	2-3	4-6	3500	0	3	cbc	cbc	cbcw	bcprc
Scilly (St. Mary's)	18·8	+2	WNW	4	bc	57	75	46	8	8	4	-	2-3	2-3	1500	0	2	bccbc	b	$bccp_0c$	cp_0c
Guernsey																					
Pembroke	16·7	+2	W'N	5	c	55	85	50	8	8	3	-	7-8	9	3000	0	2	bbc	bcc	c	c
Holyhead (Valley)	14·8	+2	NW	3	bc	56	55	40	8	2	3	1	Tr	4-6	3000	0	2	bcc	c	bc	bccw
Chester (Sealand)	14·1	+4	WNW	3	c	54	65	44	8	7	-	-	10	10	5500	0	*	$cr_0r_0m_0c$	c	cb	bbc
Manchester	13·2	+6	WNW	4	c	52	75	44	7	2	7	-	7-8	10	2500	1	*	m_0r_0c	cz_0	c	cbc
Spurn Head	09·9	+8	NW'N	6	rr	48	92	46	6	8	2	-	7-8	10	800	1	5	crr	$crrm_0$	cir_0c	cir_0
Catterick	12·8	+8	NNW	2	ir_0	51	75	44	7	5	7	-	4-6	10	1800	1	*	cir_0	cir_0	c	c
Tynemouth	12·5	+6	NNW	5	c	49	85	44	7	5	-	-	9+	9+	1800	1	4	or_0r_0	or_0r_0c	co	oc
St. Abbs Head	12·3	+4	NNW	2	c	49	85	44	8	5	-	-	10	10	2500	0	4	c	c	cbcc	c
Leuchars	12·5	+2	ESE	2	bc	54	85	48	8	1	7	8	Tr	4-6	2500	1	*	cbcc	c	bccbc	bcbcw
Renfrew (Abbots I.)	12·1	+2	NW'W	4	bc	60	55	43	9	1	-	9	2-3	4-6	3500	1	*	cy	bcy	bcybcw	[illegible]
Eskdalemuir	12·3	0	NNW	2	c	54	65	41	8	5	-	-	9	9	2200	1	*	cir_0	c	cbc	bcc
Point of Ayre	13·9	0	N'W	4	bc	56	75	49	8	-	7	1	0	4-6	—	1	3	ir_0c	c	cbcb	bbcc
Tiree	15·2	0	NW'W	1	bc	53	65	43	9	5	4	-	2-3	2-3	3500	0	3	bc	bc	bcc	cprc
Stornoway	15·0	+6	SW	2	d_0d_0	50	97	49	9	5	2	-	7-8	9+	3000	1-	1	cpr_0	cd_0d_0	od_0d_0	c
Dalwhinnie	13·9	0	NE	3	bc	53	45	34	8	7	-	-	2-3	2-3	4000	0	*	cbcy	bcby		bc
Aberdeen	13·6	+10	N	4	c	51	75	43	8	7	-	-	9+	9+	2500	1	3	cir_0c	cir_0	c	czw
Wick	14·8	+6	NE	3	c	50	85	46	9	5	7	-	4-6	7-8	5000	0	*	cv	c	cbc	bccv
Sumburgh	14·1	+6	SW	1	c	49	65	40	9	5	-	-	9	9	4000	0	1	c	c	cbc	cbcc
Blacksod Point	16·7	-2	W	4	c	55	65	44	9	8	3	-	4-6	7-8	4000	0	3	bc	c	c	c
Malin Head	15·2	+2	NW'N	3	bc	58	75	45	8	2	3	-	2-3	2-3	2500	0	2	c	bc	c	r
Aldergrove	14·8	-2	NW	2	bc	59	55	43	9	1	-	-	2-3	2-3	3000	0	*	cid_0c	bcy	bcb	bc
Birr Castle	15·8	-2	NNW	1	c	57	65	45	8	5	1	-	7-8	10	2500	1	*	pr	c		c
Valentia Obsy.	18·3	-6	WNW	3	c	55	75	47	9	8	-	-	9+	9+	2500	0	3	bc	bc	r	pr
Roches Point	16·4	-6	NNW	4	bc	59	75	51	9	2	-	5	4-6	4-6	2500	1	4	c	c	c	c

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Light Northwest wind backing West to Southwest; fair with considerable bright periods especially later; becoming warmer
13A W. Scotland; 13B N.W. Scotland	Light to moderate West or Southwest winds freshening; fair becoming cloudy with occasional slight rain later; rather cool to average temperature.
14 Mid Scotland; 15 N.E. Scotland	As 1-12.
16 Orkneys and Shetlands; 17 N. W. Ireland	As 13A-13B.
18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 1-12.

GENERAL INFERENCE

A ridge of high pressure is spreading slowly east across the country and will give mainly fair weather generally. A trough of low pressure will later approach our northwest districts and give occasional slight rain there. It will be warmer than of late.

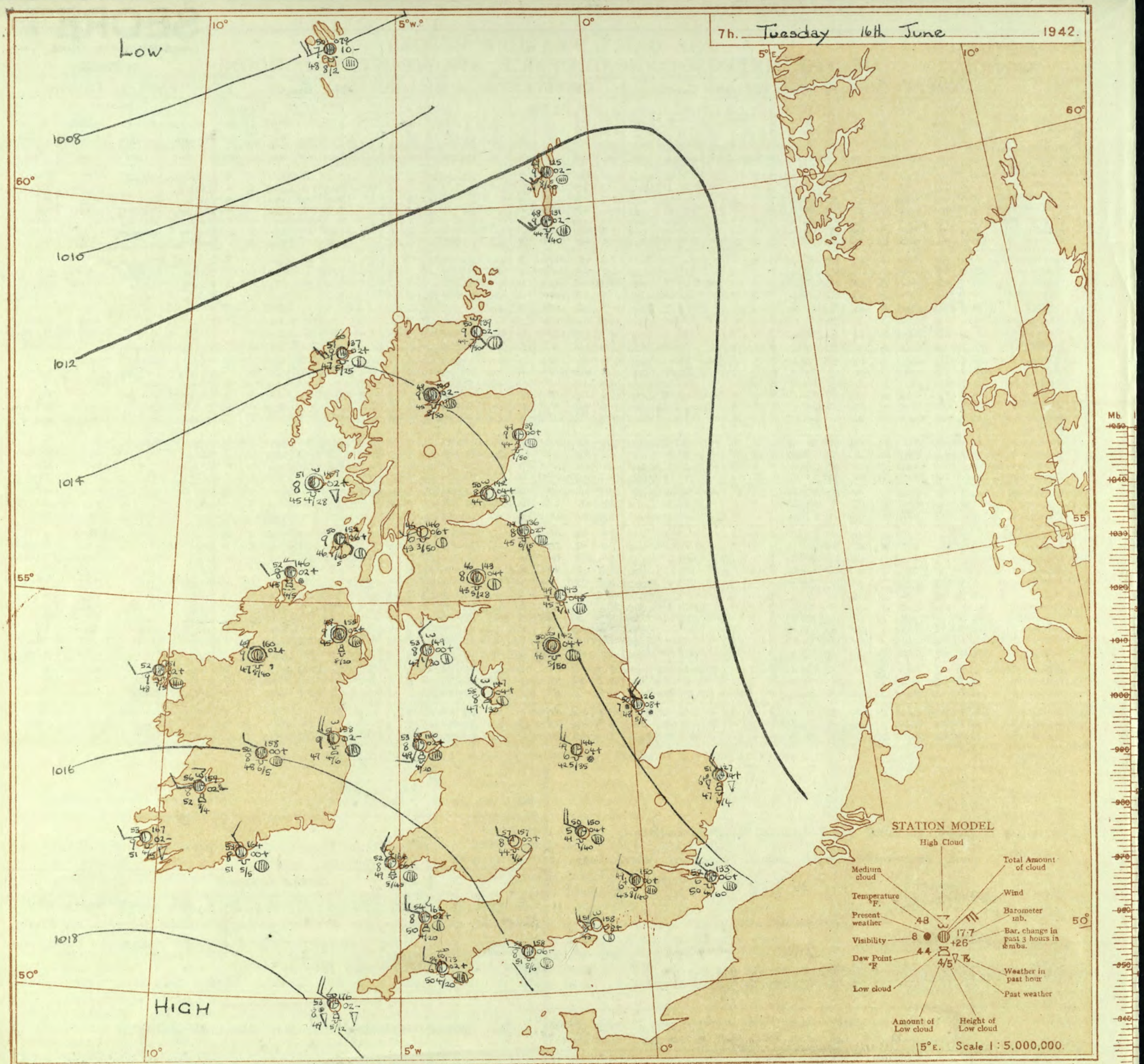
FURTHER OUTLOOK

Rain probably spreading into our southwest 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 16th June 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

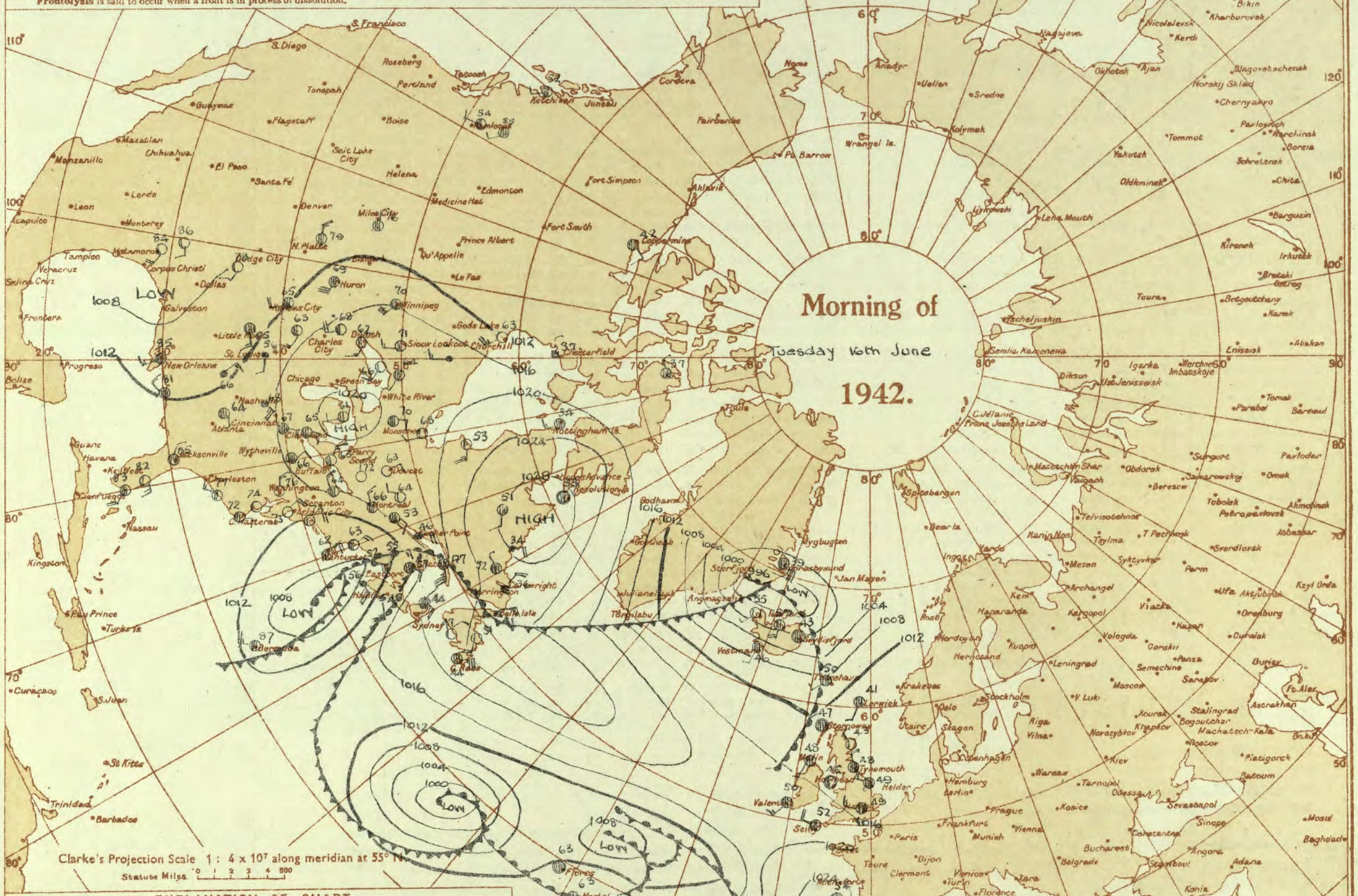
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

Page 4. BRITISH SECTION

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

Tuesday 16th June 1942

No. 29426

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)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	51	*	*	*	*	*	*	*	*	*
	Croydon ...	290	14.0	0	WNW	2	z	51	75	45	6	5	-	-	9+	9+	5100
	S. Farnborough	226	14.7	+2	W'N	2	c	50	85	44	7	5	5	1	4-6	7-8	5000
	Boscombe Down	417	16.0	+4	WNW	2	c	45	85	42	7	4	6	-	2-3	7-8	4000
	Thorney Island	10	14.8	0	W	3	c	50	85	45	7	-	6	1	0	7-8	*
	Lympne ...	283	14.2	-2	W'N	3	z	49	85	46	6	5	-	-	9+	9+	3700
	Manston ...	154	12.7	-2	NW'W	4	ra	51	92	49	5	5	2	-	7-8	10	1100
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	12.2	+2	NW	3	rs	50	92	49	6	-	2	-	10	10	1500
	Gorleston ...	5	10.8	+4	NW'N	3	rs	50	85	47	6	6	-	-	10	10	800
	Mildenhall ...	15	12.7	+2	NW'N	3	rs	49	92	47	5	5	2	-	7-8	10	900
	Cranwell ...	203	12.9	0	W'N	3	p/d	49	97	48	5	5	-	-	10	10	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	14.4	+2	NW'W	3	z	47	75	40	6	5	-	-	4-6	4-6	5800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16.7	-2	WNW	3	c	53	85	47	8	5	-	-	7-8	9+	2500
	Bristol ...	209	16.5	+2	W	1	c	46	85	42	8	-	7	2	0	7-8	-
	Portland Bill ...	32	16.5	+2	NW	4	c	51	92	50	8	5	-	-	7-8	7-8	4000
	Plymouth ...	82	17.9	-2	NW	2	c	52	85	48	8	-	7	-	0	9+	-
	The Lizard ...	240	18.5	-2	WNW	3	bc	51	92	49	8	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	18.7	-6	W'N	4	c)p	52	85	48	8	8	4	-	7-8	7-8	1500
	Guernsey ...	175															
6	Pembroke ...	142	16.5	-4	W'N	4	c	53	92	50	8	5	-	-	9+	9+	4000
7	Holyhead (Valley)	32	15.2	-4	-	0	bc	45	92	43	7	5	3	-	2-3	4-6	4000
	Chester (Sealand)	16	14.8	-2	NW'N	1	b	45	85	41	7	5	4	1	Tr	Tr	2500
8	Manchester ...	235	14.1	-2	W	2	c	48	85	45	7	5	-	-	9+	9+	3000
10	Spurn Head ...	29	11.6	+2	NW'N	4	c	49	92	46	7	5	2	-	7-8	10	1500
	Catterick ...	175	13.8	-2	NW	2	c	48	85	42	7	5	7	-	2-3	7-8	2500
	Tynemouth ...	108	13.6	-2	NNW	4	o	48	92	45	6	5	-	-	10	10	1500
11	St. Abbs Head	280	13.8	+2	NNW	2	c	46	97	46	8	5	7	-	4-6	7-8	2500
	Leuchars ...	36	14.2	0	-	0	bc	46	92	44	8	5	3	-	2-3	4-6	7000
12	Renfrew (Abbots I.)	19	14.3	+4	W'N	1	bc	42	92	40	8	5	-	-	2-3	2-3	3500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	14.7	+0	NNW	3	b	49	92	47	8	-	4	-	0	1	-
13A	Tiree ...	22	15.1	-4	-	0	c	44	85	39	8	5	-	-	7-8	7-8	3500
13B	Stornoway ...	80	14.7	0	-	0	c	47	97	47	7	5	2	-	7-8	10	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	14.5	-2	NW	2	bc	43	97	42	9	5	-	1	2-3	2-3	4000
	Wick ...	114	14.7	-6	S'W	1	bc	42	97	41	8	5	3	-	2-3	4-6	3000
16	Sumburgh ...	19	14.0	-6	-	0	c	42	92	40	9	5	-	-	9	9	4000
17	Blacksod Point	18	16.1	-4	SW	2	c	52	85	48	8	5	-	-	9+	9+	1500
18	Malin Head ...	84	15.0	-6	SSW	1	c	48	85	44	8	9	-	-	7-8	7-8	2500
	Aldergrove ...	268	16.5	+8	S'E	1	bc	41	92	40	8	5	-	-	2-3	2-3	3500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17.9	-2	W	3	c/r	51	92	49	8	5	-	-	9+	9+	1500
	Roches Point	22	17.1	-6	NW	3	bc	50	85	46	8	5	-	-	4-6	4-6	2500

OBSERVATIONS at 7 hr. G.M.T. 16th 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)	Amount Low 0–10 (28)	Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 15th Hrs. (38)
London (Kew)	14.8	+10	WNW	2	z	50	75	41	6	5	-	-	10	10	2500	0	*	57	48	46	Tr	-	0.3
Croydon	15.0	+6	WNW	2	c	49	85	43	6	5	-	-	10	10	4000	0	*	58	47	44	Tr	0.1	0.8
S. Farnborough	15.5	+4	W'N	2	c	50	75	43	8	-	7	5	0	9	-	0	*	58	45	40	-	-	1.1
Boscombe Down	16.2	+4	NW'W	2	z	49	85	44	6	7	-	2	2-3	2-3	6000	1	*	58	42	37	0.6	2	0.9
Thorney Island	15.8	+8	W	3	bc	51	75	43	8	-	3	6	0	2-3	-	0	*	61	46	43	Tr	-	*
Lympne	14.8	±6	WNW	3	z	50	85	45	6	5	3	-	7-8	7-8	3000	0	§2	57	48		0.6	Tr	5.3
Manston	13.3	+6	NW'W	3	z	52	92	50	6	5	3	-	4-6	9+	900	1	*	59	50	48	-	3	5.6
Shoeburyness																	*	60			Tr		
Felixstowe	12.6	+2	NW'W	4	z	51	85	47	6	5	-	-	10	10	800	1	3	58	49	47	0.1	1	2.1
Gorleston	12.7	+14	NW	3	pr	51	92	49	6	8	-	-	9	9	1400	1	2	55	48	45	3	1	4.0
Mildenhall	13.4	+6	NW	2	id	51	85	47	6	5	2	-	9+	10	1500	1	*	56	47	48	2	4	0.7
Cranwell	13.4	+6	W	3	z	51	85	46	6	-	7	-	0	9+	-	1	*	52	47	42	1	0.0	0.0
Birmingham	15.2	+2	WNW	3	bc	49	75	42	6	5	-	-	4-6	4-6	5700	1	*	55	45	40	0.1	-	0.9
Upper Heyford	14.7	+2	WNW	4	c	49	75	42	8	5	3	-	4-6	9	4000	0	*	55	46	45	0.2	-	*
Ross-on-Wye	15.7	0	W	1	b	51	75	44	8	5	-	-	1	1	4000	0	*	59	41	34	0.3	-	1.0
Hartland Point	16.2	+2	WNW	3	c	54	85	50	8	2	4	-	4-6	9	2000	0	3	55	52	50	-	*	9.8
Bristol	16.4	+2	W'S	2	c	53	85	47	7	-	3	-	0	9	-	0	*	60	44	38	1	*	3.0
Portland Bill	15.8	-6	W	3	c	53	92	51	8	5	-	-	10	10	4000	1	3	57	50	*	0.6	0.2	*
Plymouth	17.3	+2	W	2	z	54	85	50	6	5	7	2	4-6	7-8	2000	0	2	61	50	45	0.2	-	9.1
The Lizard	17.2	0	NW	3	c/pr	52	92	48	8	8	6	-	7-8	9+	1500	1	3	58	50	*	1	0.5	11.7
Scilly (St. Mary's)	17.6	-2	W'N	4	pr	53	92	49	8	8	7	-	7-8	9+	1200	1	3	61	51	*	-	0.3	11.4
Guernsey																							
Pembroke	16.6	+6	NW'W	3	c	52	85	49	8	8	4	-	7-8	9	4500	0	2	56	46	*	-	-	8.2
Holyhead (Valley)	15.0	+2	SSW	2	c	53	85	49	8	8	7	-	4-6	9+	2000	0	2	56	43	34	-	-	*
Chester (Sealand)	15.2	+4	WNW	3	bc	55	65	43	8	2	8	-	2-3	2-3	3000	0	*	57	43	33	0.6	-	3.5
Manchester	14.7	+8	W	2	z	50	85	44	6	-	3	-	0	7-8	-	1	*	54	46		0.3	-	*
Spurn Head	12.6	+8	NW'N	4	m	50	92	48	7	5	2	-	7-8	10	1500	1	4	51	47	*	6	1	0.0
Catterick	14.2	+4	-	0	c	50	85	45	7	5	7	-	7-8	10	5000	1	*	51	45	41	Tr	1	0.0
Tynemouth	14.3	+4	NW	3	c	49	85	45	7	5	-	-	9+	9+	1100	1	3	49	47	46	2	-	*
St. Abbs Head	13.6	+2	N	2	c	47	92	45	8	5	-	-	9	9	1500	0	3	50	46	*	0.1	-	*
Leuchars	14.2	+4	-	0	c	50	75	44	8	-	3	-	0	7-8	-	1	*	55	41	35	-	-	3.2
Renfrew (Abbots I.)	14.6	+6	W'S	1	z	46	85	43	6	5	-	-	2-3	2-3	5000	1	*	62	40	35	-	-	7.2
Eskdalemuir	14.3	+4	-	0	c	46	92	43	8	5	-	-	7-8	7-8	2800	1	*	55	42	40	Tr	-	0.2
Point of Ayre	14.9	0	NW'N	2	c	53	85	47	8	-	3	-	Tr	9	3000	0	2	57	48	*	Tr	-	3.8
Tiree	14.9	+2	-	0	c	51	85	45	8	5	3	-	4-6	7-8	2800	0	2	56	44	*	-	1	9.8
Stornoway	13.7	+2	SW	3	c	51	85	47	9	5	7	-	7-8	10	2500	1	1	53	46	*	-	-	0.0
Dalwhinnie	14.2	0	NE	1	c	45	85	40	8	5	-	-	9+	9+	4000	1	*	55	32	23	-	-	8.2
Aberdeen †	14.2	+2	NW'N	2	z	46	92	44	9	8	-	-	9	9	3500	1	2	53	39	36	Tr	-	0.1
Wick	13.9	-2	SSE	1	c	50	85	44	9	5	3	-	4-6	7-8	5000	1	*	53	40	33	-	-	*
Sumburgh	13.1	-2	SW	3	c	48	85	44	9	5	-	-	9+	9+	4000	0	1	50	41	31	-	-	0.3
Blacksod Point	15.1	+2	WSW	2	c	52	85	48	9	5	-	-	9+	9+	2500	0	2	57	49	*	-	-	*
Malin Head	14.6	+2	SW'W	2	c	52	75	45	8	9	2	-	4-6	9+	2500	1	1	56	46		-	1	10.2
Aldergrove	15.5	+2	-	0	c	49	85	45	9	8	-	-	10	10	2000	0	*	59	39	35	Tr	-	4.7
Birr Castle	15.8	0	WNW	1	c	50	92	48	8	5	-	-	9	9	2500	0	*	58	(50)	37	0.1	-	1.0
Valentia Obsy.	16.7	-2	WSW	2	bc	58	92	51	9	8	-	-	4-6	4-6	2500	1	2	57	48	43	-	1	1.4
Roches Point	16.4	0	NW	2	c	53	92	51	8	5	-	-	7-8	7-8	2500	1	2	60	*	*	-	-	*

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	73	02965	01226	77	02964	00026	5-	02866	24126	5-	02867	15 - - -
115	53	02954	22226	54	02954	24225	52	02954	12226			
203												
206	5-	02976	14126	5-	02975	08425	5-	02966	00026	5-	02978	00028
210	53	02964	32127				5-	02967	08127	5-	02967	20127
220	70	01954	20104	73	01954	26304						
230	5-	02967	27227	53	01963	24314	53	01963	00013	53	02931	20117
245	77	29975	32486	5-	02966	02326	50	00871	28213	53	00962	22213
260	77	02854	25126	76	05624	06315	53	02854	08126	53	05654	04128
278	83	02955	29426	53	01953	28413	50	00961	25201	5-	02967	26217
279	57	02855	20328	51	05657	20128	5-	02867	30227	24	01762	04113
285	27	25745	30587							5-	02847	26427
288	62	62535	29568	57	68545	30368	57	05577	29328	53	08465	25247
575	5-	21948	00052	13	01973	26313	13	02854	26227	5-	02968	00058
301	27	02752	28327	77	02767	26427	50	01853	27324	13	01861	28313
321	52	62635	29368	52	62744	28368	52	61644	28168	57	05560	28268
299	8-	03538	30628	8-	84538	30659	5-	52648	30458	8-	03638	30428
292	62	52637	61468	57	62642	28467	57	05665	27227	5-	02867	29227
310	--	32628	26328	3-	32752	58648				--	01634	04414
614	27	09645	28228				52	08444	26128			

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
333	2-	01855	27415	5-	02877	28227	5-	01764	26114	8-	02977	00027
334	--	02646	28217	--	02645	28215				--	01653	20114
240	8-	02857	26328	.			50	00861	25101	45	01961	24114
136	67	62624	24568	62	58537	26468	02	52628	25617	5-	05638	29428
336	70	01755	32315	54	02754	28416						
350	8-	05658	26368	57	05656	26328	5-	61668	26368	57	05665	26367
368				84	02856	26326				4		
379	87	02745	28467	23	02854	28427						
390	87	05644	26388	57	61555	26428	5-	61478	22467	5-	05667	25367
382	83	02854	28326	83	02864	30227	50	01762	26222	5-	01884	27214
436	52	25655	24287	50	02557	20227	57	02647	22227	57	02763	22315
430	3-	81658	28228	8-	81767	30327	5-	05654	26224	03	01890	22224
409	2-	01864	30414	24	00861	26312	5-	02855	25325	86	01853	28314

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 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 ...	ivomoc	cyrocz	czomo
Croydon ...	cmocz	*	czoprzo
Greenwich ...	cqc	gcy	cdoc
Camden Square	c	c	*
Kensington ...	bcc	co	*
Hampstead ...			

Atmospheric Pollution. Milligrams of solid impurity per cubic metre
Kew 24 hours ended 7h.
Max. Time 0.1 12-20 hrs 15th
Min. Time <0.1 0-4 hrs 16th

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	57	48	46	Tr	-	0.3	*	*
Croydon ...	58	47	44	Tr	0.1	0.8	*	*
Greenwich ...	58	49	46	-	Tr	0.5	59	68
Westminster ...	58	50	49	-	-	*	67	89
Regents Park ...	58	49	48	-	-	*	67	73
Camden Square	59	50	49	-	Tr	*	*	61
Kensington ...	58	49	47	-	-	*	65	75
Hampstead ...							*	

BRITISH SECTION

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

SECRET

Wednesday 17th June 1942

No. 29427

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)	14·2	-6	N'W	2	c	59	55	44	8	8	3	-	7-8	9+	2500
	Croydon ...	14·2	-10	W'N	2	c	59	55	43	7	8	-	-	2-3	9+	3000
	S. Farnborough	14·2	-6	NW'W	3	c	62	55	46	9	7	-	-	9	9	3500
	Boscombe Down	14·8	-10	N'W	2	c	59	55	42	8	8	3	-	9	9+	3000
	Thorney Island	14·8	-6	WSW	4	c	61	65	49	8	8	-	-	9+	9+	4000
	Lympne ...	15·0	-2	WSW	1	z_0	57	65	46	6	8	-	-	7-8	10	3000
	Manston ...	13·5	-2	WNW	3	z_0	57	85	52	6	2	7	-	7-8	9+	1800
2	Shoeburyness ...	13·9	+6	NW	3	c	61	65	47	8	2	3	-	2-3	9	3000
	Felixstowe ...	13·0	-2	NW	3	z_0	58	75	49	6	8	7	-	7-8	9+	2500
	Gorleston ...	12·9	+2	N'W	4	c	54	85	48	7	8	-	-	9+	9+	1800
	Mildenhall ...	13·2	-2	WSW	3	z_0	57	75	47	6	8	3	-	7-8	9+	2000
	Cranwell ...	13·4	-2	WSW	1	z_0	53	85	49	6	3	7	-	4-6	10	1500
3	Birmingham ...	13·8	-6	W	3	c	56	55	41	8	5	-	-	9	9	4000
	Upper Heyford	13·6	-6	WNW	2	c	60	55	41	8	7	6	-	4-6	7-8	3000
4	Ross-on-Wye	14·2	-8	WNW	2	c	61	55	42	8	7	-	-	9+	9+	4000
5	Hartland Point	15·7	-8	W	3	c	58	65	48	9	2	7	-	2-3	7-8	2000
	Bristol ...	15·4	-2	WNW	3	c	56	75	49	8	7	7	-	4-6	9+	4000
	Portland Bill ...	15·3	-2	SW	2	c	55	92	53	8	5	-	-	10	10	4000
	Plymouth ...	16·1	-10	WNW	3	c	60	85	55	8	7	3	-	7-8	9+	3000
	The Lizard ...	17·1	-2	WNW	4	c	57	85	51	8	8	6	-	7-8	9+	2000
	Scilly (St. Mary's)	17·5	-4	W	3	c	59	75	52	8	8	7	-	4-6	9+	1200
	Guernsey ...															
6	Pembroke ...	15·9	-6	W'N	4	bc	55	85	49	8	2	4	-	2-3	4-6	4000
7	Holyhead (Valley)	14·4	-2	NNW	2	bc	56	65	45	8	2	3	-	4-6	7-8	1500
	Chester (Sealand)	14·4	-4	NW'W	3	c	57	65	45	8	8	-	-	9+	9+	7000
8	Manchester ...	13·3	-6	NW	3	c	58	55	44	7	2	6	-	4-6	7-8	2500
10	Spurn Head ...	13·1	0	N	4	c/pr	52	92	49	7	8	2	-	7-8	10	1500
	Catterick ...	13·5	-4	ENE	2	cz	55	75	48	4	5	-	-	10	10	3500
	Tynemouth ...	14·0	-2	NE	3	bc	52	75	46	8	8	3	-	4-6	4-6	2500
11	St. Abbs Head	12·9	-6	N	1	bc	51	92	49	8	5	-	-	2-3	2-3	3000
	Leuchars ...	11·9	-12	WNW	2	c	59	55	42	8	8	7	-	7-8	9+	2500
12	Renfrew (Abbots I.)	12·6	-10	NNW	2	c	57	55	42	9	7	-	-	9+	9+	3000
	Eskdalemuir ...	12·1	-8	W	2	c	55	65	43	8	5	-	-	9	9	2200
	Point of Ayre...	14·4	-6	NW'W	3	c	59	65	48	8	2	3	-	2-3	9	2500
13A	Tiree	13·7	-6	SW'S	2	c	57	75	45	9	7	3	-	7-8	7-8	2800
13B	Stornoway ...	11·4	-14	SSW	5	c	56	85	50	9	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	12·3	-8	SSW	1	bc	54	65	41	8	8	-	-	4-6	4-6	4000
	Aberdeen ...	12·1	-4	SSE	3	bc	55	65	45	7	8	-	-	4-6	4-6	2700
	Wick ...	12·0	-10	E'N	1	c	53	75	45	9	5	3	-	7-8	9+	4000
16	Sumburgh ...	11·2	-10	SW	3	c	52	85	45	9	7	-	-	9+	9+	4000
17	Blacksod Point	14·3	-2	WSW	3	c	58	75	48	9	8	-	2	4-6	9	2500
18	Malin Head ...	13·3	-6	W'N	3	c	56	75	47	8	9	-	-	9	9	2500
	Aldergrove ...	14·1	-6	WSW	1	c	57	65	44	9	7	-	-	10	10	4500
19	Birr Castle ...	14·3	-12	SSW	2	c	61	65	49	7	8	7	-	7-8	9	1500
20	Valentia Obsy.	15·9	-2	W'N	4	c	55	75	48	9	2	-	4	4-6	9	2500
	Roches Point	15·1	-6	SW	3	bc	59	85	54	9	8	-	-	4-6	4-6	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	-4	WNW	2	c	60	55	41	8	8	3	-	7-8	9	4000	0	*
	Croydon ...	13·5	-4	WNW	2	c	61	55	47	7	8	4	5	4-6	7-8	3700	0	*
	S. Farnborough	13·3	-6	W	3	c	60	55	42	8	2	7	9	2-3	9	3500	0	*
	Boscombe Down	14·5	-2	W'S	3	c	57	55	42	8	8	6	1	7-8	9	5000	1	*
	Thorney Island	14·3	-4	W	3	c	56	75	49	9	4	7	-	1	10	2500	0	*
	Lympne ...	14·9	-6	NW	1	c	56	65	46	8	8	-	-	2-3	9	3500	0	4
	Manston ...	13·5	+2	N	2	pr	55	85	50	6	8	7	-	9+	10	4000	1	*
2	Shoeburyness ...	13·8	0	N	1	z_0	57	75	48	5	2	3	-	2-3	9	4000	0	*
	Felixstowe ...	13·1	+2	WNW	1	r_0	55	75	48	6	5	-	-	10	10	6000	1	2
	Gorleston ...	12·9	0	N	2	c	55	85	50	6	8	-	-	9	9	1800	1	2
	Mildenhall ...	13·0	-6	—	0	c/r	53	85	48	6	5	7	-	4-6	10	4000	0	*
	Cranwell ...	12·4	-6	NNW	2	z_0	57	65	45	6	2	3	-	1	9+	4000	1	*
3	Birmingham ...	13·4	-2	WNW	2	c	58	55	43	8	8	6	-	4-6	7-8	4000	0	*
	Upper Heyford	12·8	-10	WNW	2	c	61	55	42	8	8	3	-	4-6	9	3500	1	*
4	Ross-on-Wye	13·6	-6	SSW	2	c	58	65	47	8	8	-	-	9+	9+	3500	0	*
5	Hartland Point	15·3	-2	W	2	bc	56	75	49	9	2	4	-	2-3	4-6	2000	0	2
	Bristol ...	15·1	+4	W	3	c	57	75	48	8	1	3	6	Tr	7-8	3000	0	*
	Portland Bill ...	14·9	-4	NW	2	c	55	92	53	8	2	-	-	9	9	4000	1	2
	Plymouth ...	15·7	-2	NW	3	c	59	65	48	8	7	3	-	7-8	7-8	3000	0	3
	The Lizard ...	16·0	-4	W'N	4	c	55	92	53	8	8	3	-	7-8	7-8	2000	0	3
	Scilly (St. Mary's)	16·7	-6	W'S	2	c	57	85	51	8	8	3	-	4-6	10	1500	0	2
	Guernsey ...																	
6	Pembroke ...	15·4	-2	W'S	3	bc	56	85	51	8	2	4	-	2-3	4-6	4000	0	2
7	Holyhead (Valley)	13·7	-2	WSW	3	bc	57	75	48	9	2	4	-	Tr	4-6	3000	0	2
	Chester (Sealand)	14·0	0	NW'W	4	c	56	65	45	8	8	-	-	9	9	5000	0	*
8	Manchester ...	13·0	0	WNW	3	c	57	55	42	8	2	6	3	4-6	7-8	4000	0	*
10	Spurn Head ...	12·9	0	NE	3	c	50	92	48	7	8	2	-	7-8	10	1500	0	3
	Catterick ...	12·3	-4	—	0	cz	57	65	46	6	5	3	-	1	7-8	3500	1	*
	Tynemouth ...	13·7	-4	SE	3	bc	52	85	47	8	2	-	-	4-6	4-6	2800	1	3
11	St. Abbs Head	11·4	+2	SE	2	bc	53	85	47	8	5	4	-	4-6	7-8	2500	0	2
	Leuchars ...	10·4	-8	SSW	1	c	58	65	47	8	8	6	-	4-6	7-8	3500	0	*
12	Renfrew (Abbots I.)	12·2	-4	NW'W	2	c	58	65	44	9	7	-	-	9+	9+	3500	1	*
	Eskdalemuir ...	12·1	0	W	3	bc	57	55	42	8	7	3	-	1	2-3	3500	1	*
	Point of Ayre...	13·4	-6	NW'W	3	bc	59	75	49	8	1	3	5	Tr	4-6	3000	0	3
13A	Tiree	12·6	-4	SW	2	c	54	85	49	8	8	3	-	7-8	7-8	2500	0	3
13B	Stornoway ...	09·8	-6	S	5	c/pr	52	97	51	8	5	7	-	7-8	9+	2000	1	3
15	Dalwhinnie ...	12·2	-2	SW	3	c	53	65	42	8	5	-	-	9	9	4000	0	*
	Aberdeen ...	11·1	-8	WSW	3	b	53	75	44	7	5	-	6	Tr	Tr	3500	1	2
	Wick ...	10·6	-8	SSE	1	c	53	85	47	9	5	3	-	2-3	7-8	3500	0	*
16	Sumburgh ...	09·7	-6	SW'W	3	c	51	85	46	9	5	7	7	Tr	9	900	0	1
17	Blacksod Point	13·8	-2	W'S	3	c	56	75	49	9	8	-	5	2-3	7-8	4000	0	2
18	Malin Head ...	12·4	-6	W'N	2	bc	56	75	49	9	9	4	-	4-6	7-8	2500	0	1
	Aldergrove ...	12·6	-6	WSW	1	bc	59	55	44	9	7	3	-	2-3	4-6	6000	0	*
19	Birr Castle ...	13·4	-4	W	1	phr	59	75	52	7	8	2	-	7-8	10	800	0	*
20	Valentia Obsy.	15·4	-2	WSW	3	c/p	55	75	48	9	9	-	-	9	9	1500	0	3
	Roches Point	14·3	-4	W'S	3	pr	56	92	54	8	3	-	-	9	9	1500	1	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 16th (39)	Weather. 13h.—18h. 16th (40)	Weather. 18h.—1h. 16th to 17th (41)	Weather. 1h.—7h. 17th (42)
1	London (Kew)	cm$_0$cy	cy	cbcw	cbcz$_0$w
	Croydon ...	cm$_0$cz$_0$	cy	cybcz$_0$	cbc
	S. Farnborough	cvycy	cyc	cwc	cwc
	Boscombe Down	bvcy	cpr$_0$cy	cybcb	bcc
	Thorney Island	bcc	cpr$_0$c	d3	bwcbc
	Lympne ...	cm$_0$z$_0$	cz$_0$ccy	cpr$_0$prm$_0$	cm$_0$
	Manston ...	cm$_0$	cz$_0$pr$_0$m$_0$	pr$_0$ir$_0$	cir$_0$m$_0$
2	Shoeburyness ...	cm$_0$cz$_0$cy	cpr$_0$ir$_0$cz$_0$	cz$_0$pr$_0$qm$_0$	cpr$_0$rr
	Felixstowe ...	cm$_0$pr$_0$cm$_0$	cm$_0$pr$_0$ir$_0$	cir$_0$cm$_0$	cm$_0$bm$_0$
	Gorleston ...	ccpr$_0$	cz$_0$	cm$_0$	cpr$_0$m$_0$
	Mildenhall ...	cm$_0$	ccir$_0$cm$_0$	cir$_0$m$_0$m$_0$w	cm$_0$w
	Cranwell ...	cm$_0$cprcm$_0$	cm$_0$	cm$_0$	cm$_0$
3	Birmingham ...	bcc	c	c	cbcm
	Upper Heyford	cbc	cy	cubcc	bcm$_0$cbc
4	Ross-on-Wye	bccy	cp$_0$c	rcv	bc
5	Hartland Point	cr$_0$cbc	cbc	bc	bc
	Bristol ...	bcc	cbcc	cbcw	bcbw
	Portland Bill ...	c	c	c	c
	Plymouth ...	cpr$_0$c	cbcc	cbcc	cr$_0$pr$_0$c
	The Lizard ...	c	c	cw	cprc
	Scilly (St. Mary's)	cp$_0$c	cbcc	cp$_0$	c
	Guernsey ...				
6	Pembroke ...	cbc	bc	cbc	bcw
7	Holyhead (Valley)	cbc	bc	b	bcw
	Chester (Sealand)	bcc	cy	bcbw	bwm$_0$
8	Manchester ...	bccy	bcy	bm$_0$	bmv
10	Spurn Head ...	cpr0	cpr	c	om$_0$
	Catterick ...	cyc m$_0$cm	cycbcyz$_0$	cmbcm$_0$	bm$_0$bbw
	Tynemouth ...	cbc	bc	bcc	bc
11	St. Abbs Head	bc	bcc	cbcb	bbc
	Leuchars ...	bccy	cycz$_0$c	cbcb	bwbcc
12	Renfrew (Abbots I.)	bm$_0$wc	c	cbccw	bcc
	Eskdalemuir ...	c	cybcy	bcbbc	bcc
	Point of Ayre...	c	cbc	bcbw	bbcc
13A	Tiree	bbc	cpr	c	c
13B	Stornoway ...	cpr$_0$	cpr$_0$	cpr	c
15	Dalwhinnie ...	cbc	bcc	*	c
	Aberdeen ...	cz$_0$b	bcb	bc	bcw
	Wick ...	cv	cbccv	bc	bcc
16	Sumburgh ...	c	cbcc	c	cbcc
17	Blacksod Point	c	bc	c	c
18	Malin Head ...	c	c	bc	c
	Aldergrove ...	ccvc	cbcy	cbc	bcc
19	Birr Castle ...	c	pr	*	c
20	Valentia Obsy.	bc	bc	cprc	pr
	Roches Point	pr	pr	cprc	c

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

Districts.	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Light to moderate Westerly winds; fair by day apart from a few scattered showers; some rain spreading from northwest tonight and tomorrow morning followed by occasional showers and bright intervals; average temperature becoming 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	Moderate to fresh West to Northwest winds; fair at first, but rain spreading from northwest this evening and tonight; followed by occasional showers and bright intervals; temperature near average at first, becoming cooler.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh to strong West to Northwest winds, gale locally in extreme north; rain spreading from northwest followed by rather frequent showers; cool to very cool.
16 Orkneys and Shetlands *	As 13A - 15.
17 N. W. Ireland 18 N. E. Ireland	As 7-12
19 S. E. Ireland 20 S. W. Ireland	As 1-6.

GENERAL INFERENCE

A deep depression near Iceland is moving east-southeast and an associated trough will move southeast across the British Isles during the next 24 hours. Weather will be mainly fair at first but there will be occasional rain in the North later today spreading to southern districts during the night. There will be fresh or strong Westerly winds in the North perhaps reaching gale locally in the extreme North. Later winds will veer Northwest in northern districts. It will be somewhat warmer than of late temporarily but very cool conditions are likely in the North later today spreading southeast during the night.

FURTHER OUTLOOK

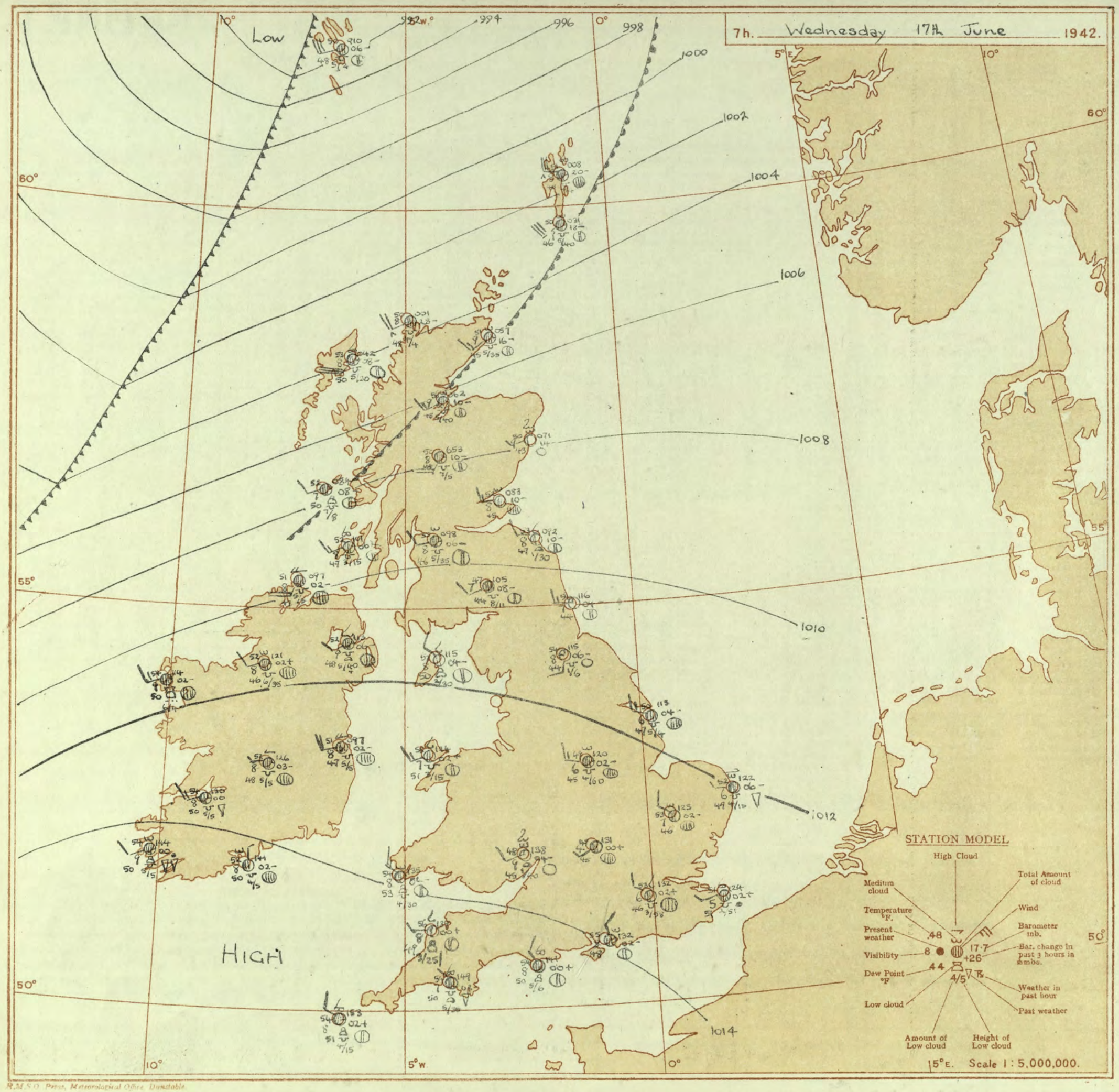
Cool showery conditions generally

* Gale Warning in operation in district 16. Time of issue 0725, 17-6-42

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 17th June 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

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

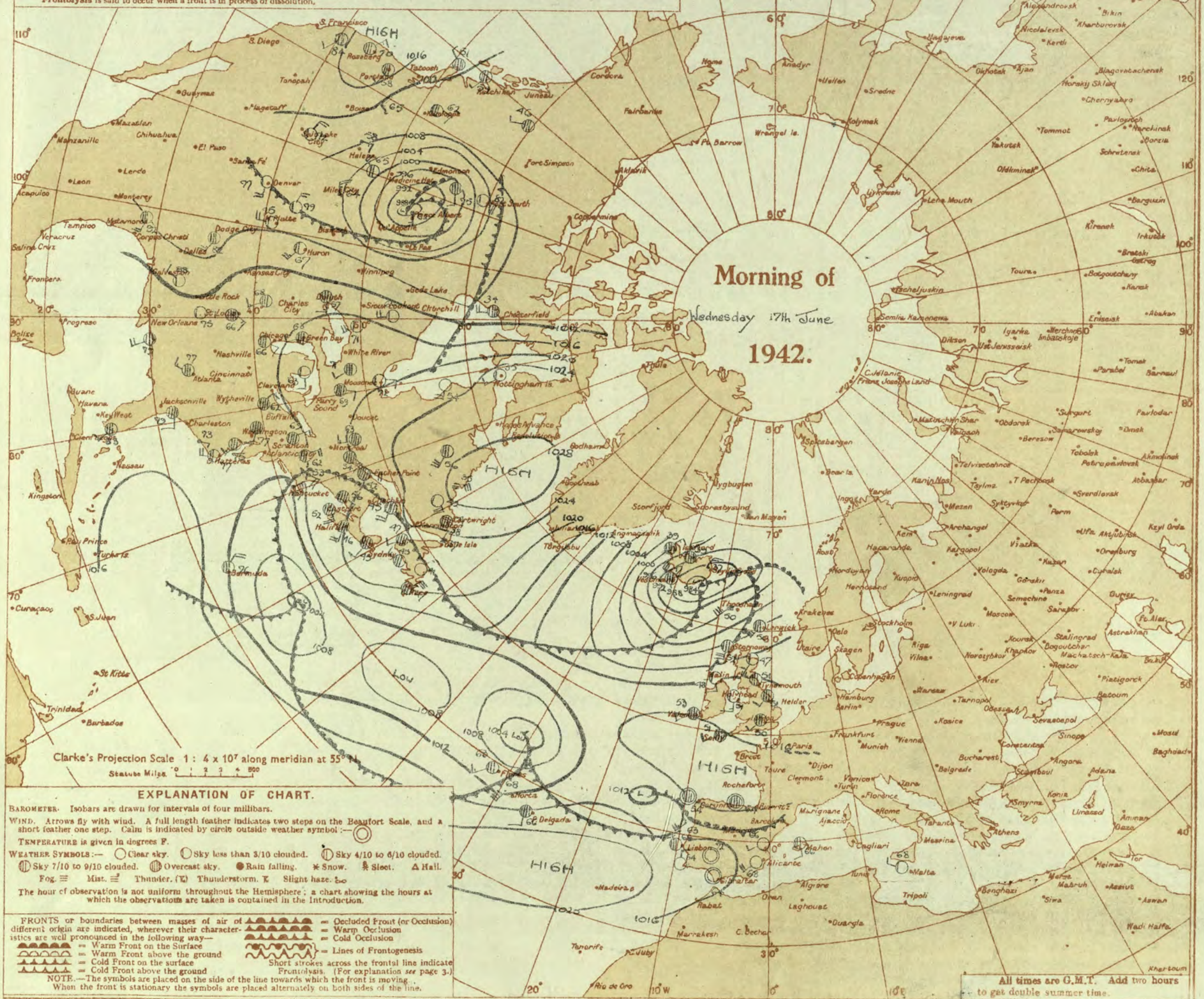
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Wednesday 17th June 1942

No. 29427.

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	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon	290	13·6	-4	WSW	1	c	50	85	45	7	5	3	-	2-3	7-8	4500
	S. Farnborough	226	13·7	-2	W'N	1	c	50	85	44	8	-	7	-	0	9	-
	Boscombe Down	417	14·6	-2	WNW	1	bc	45	92	44	7	5	-	-	2-3	2-3	4000
	Thorney Island	10	13·9	-6	WNW	2	b	49	85	46	8	5	-	-	1	1	5700
	Lympne	283	14·5	-6	-	0	z_o	49	92	48	6	-	3	-	0	10	-
	Manston	154	12·8	-10	WSW	1	ir_o	51	97	50	6	-	2	-	0	10	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	13·1	-2	W'N	1	z_o	53	85	48	5	5	-	-	10	10	5700
	Gorleston	5	13·2	-2	W	1	z_o	50	85	48	6	8	3	-	4-6	9+	1500
	Mildenhall	15	13·0	-4	-	0	z_o	48	92	47	7	5	-	-	7-8	7-8	6000
	Cranwell	203	12·2	-2	WNW	2	z_o	48	85	43	6	-	7	-	0	9+	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13·2	-6	WNW	1	z_o	50	85	46	6	5	-	-	7-8	7-8	5800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·8	-2	WNW	2	bc	53	85	49	8	2	-	-	4-6	4-6	2500
	Bristol	209	14·8	-2	W	1	bc	48	92	46	7	-	3	-	0	2-3	-
	Portland Bill	32	14·7	0	NW	2	c	52	92	50	8	5	-	-	7-8	7-8	4000
	Plymouth	82	15·5	-6	WNW	2	c	52	92	50	8	5	-	-	9	9	5800
	The Lizard	240	16·0	-2	WNW	2	c	52	92	50	7	8	2	-	9	10	1500
	Scilly (St. Mary's)	163	16·1	-2	W'S	2	z_o	51	92	48	8	8	2	-	7-8	10	1500
	Guernsey	175															
6	Pembroke	142	14·6	-4	W'S	3	bc	53	92	51	8	2	-	-	2-3	2-3	3000
7	Holyhead (Valley)	32	12·7	-10	S	3	bc	51	97	49	8	5	-	-	2-3	2-3	3000
	Chester (Sealand)	16	13·6	0	SW	1	fg	41	92	40	7	-	4	-	0	Tr	-
8	Manchester	235	13·2	-4	-	0	z_o	44	92	43	6	5	-	-	1	1	4000
10	Spurn Head	29	12·6	-4	SW	2	c	51	92	49	7	7	-	-	9+	9+	1500
	Catterick	175	12·4	-4	W	1	z_o	46	92	43	5	5	-	-	2-3	2-3	2500
	Tynemouth	108	12·3	-8	NW	4	c	51	75	43	6	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	10·4	-10	W	3	b	51	85	46	8	5	-	-	Tr	Tr	2500
	Leuchars	36	10·0	-6	SW	2	bc	44	85	41	8	-	-	8	0	2-3	-
12	Renfrew (Abbots I.)	19	11·1	-10	W'S	1	c	48	92	46	8	5	-	-	9	9	5000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	12·2	-6	W'S	1	b	45	85	42	8	4	-	-	1	1	4000
13A	Tiree	22	10·4	-4	SW'S	2	c	52	85	49	8	8	-	-	9	9	2500
13B	Stornoway	80	06·6	-20	SSW	5	c/pr	52	85	48	7	5	7	-	7-8	9+	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	09·4	-14	-	0	b	43	92	41	9	5	4	-	Tr	1	4000
	Wick	114	09·0	-10	SSW	2	bc	47	85	43	9	-	7	1	0	2-3	-
16	Sumburgh	19	06·5	-18	SW	4	c	49	85	45	8	5	7	8	4-6	7-8	2000
17	Blacksod Point	18	22·7	-6	SW	3	c	53	92	50	8	5	-	-	9+	9+	2500
18	Malin Head	84	11·4	-10	S	1	bc	48	85	44	9	5	-	-	2-3	2-3	2500
	Aldergrove	268	12·4	0	-	0	bc	48	92	46	8	5	-	-	4-6	4-6	4000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15·2	-2	WSW	2	c	53	85	48	9	8	-	-	10	10	2500
	Roches Point	22	14·4	-2	NW	3	c	53	92	51	8	5	-	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 17th 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	+2	NW'W	1	z_o	53	75	45	6	5	3	-	4-6	4-6	4000	0	*
Croydon	13·2	+2	WNW	2	z_o	53	75	46	6	5	4	-	2-3	4-6	5800	0	*
S. Farnborough	13·5	+2	NW'W	1	c	50	85	46	8	-	7	-	0	9	-	0	*
Boscombe Down	14·5	+4	-	0	c	52	85	48	7	5	3	-	2-3	9	6000	0	*
Thorney Island	13·2	-2	N'W	2	bc	55	75	48	8	-	3	1	0	7-8	-	0	*
Lympne	13·5	-4	NW	2	z_o	50	88	47	6	-	3	-	0	7-8	-	0	§2
Manston	12·4	+2	WSW	1	z_o	51	97	51	5	5	7	-	1	10	5100	1	*
Shoeburyness	13·2	+4	WNW	1	m	52	75	45	4	5	3	1	4-6	7-8	1300	1	*
Felixstowe	12·2	-2	WNW	1	z_o	54	85	49	6	-	7	-	0	2-3	-	1	1
Gorleston	12·2	-6	W	1	z_o	52	92	49	6	5	3	1	4-6	7-8	1500	1	2
Mildenhall	12·3	-2	W'N	2	c	53	75	46	7	-	3	-	0	7-8	-	0	*
Cranwell	12·0	-2	W	3	z_o	49	85	45	6	5	3	-	4-6	9+	6000	0	*
Birmingham	12·6	-2	NW	1	m	50	85	45	4	-	3	-	0	2-3	-	0	*
Upper Heyford	13·0	+2	NW'N	2	c	51	85	46	8	5	3	-	1	7-8	3000	0	*
Ross-on-Wye	13·8	-4	SW	2	b	48	85	45	9	1	3	9	Tr	1	4000	1	*
Hartland Point	13·9	0	W	3	bc	56	75	49	8	2	4	-	2-3	4-6	2500	0	3
Bristol	14·0	-6	WNW	1	bc	51	85	47	8	-	4	-	0	4-6	-	0	*
Portland Bill	14·1	0	NW	2	c	54	85	50	8	2	7	-	7-8	10	4000	1	3
Plymouth	14·9	-2	WNW	2	z_o	54	85	50	7	7	7	-	7-8	7-8	3500	0	2
The Lizard	14·8	0	NW	2	c	52	92	50	8	8	2	-	7-8	9+	1500	0	3
Scilly (St. Mary's)	15·3	+2	WNW	2	c	54	85	51	8	8	7	-	4-6	9+	1500	1	2
Guernsey																	
Pembroke	13·5	-4	WNW	3	bc	54	92	53	8	8	3	-	4-6	4-6	3000	0	2
Holyhead (Valley)	12·4	+2	SW	3	bc	55	85	51	7	5	4	-	2-3	4-6	1500	0	1
Chester (Sealand)	12·5	-4	SE'S	1	c	51	85	46	6	5	3	-	9	9	5000	0	*
Manchester	12·6	-2	S	1	z_o	49	85	45	6	-	-	1	0	1	-	0	*
Spurn Head	11·3	-4	W'N	3	c	50	92	47	6	5	6	-	7-8	10	1500	0	3
Catterick	11·5	-6	S	2	b	54	75	44	8	5	-	-	Tr	Tr	4000	1	*
Tynemouth	11·6	-4	W	3	b	54	75	44	7	-	4	-	0	1	-	1	3
St. Abbs Head	09·2	-10	W	2	bc	53	85	47	8	1	4	-	Tr	4-6	3000	0	2
Leuchars	08·3	-10	WSW	3	c	52	75	45	8	-	5	0	0	7-8	-	0	*
Renfrew (Abbots I.)	09·8	-6	SW'W	2	c	53	75	46	8	5	3	-	7-8	9+	3500	1	*
Eskdalemuir	10·5	-8	SW	2	c•	47	92	44	7	5	-	-	10	10	1100	1	*
Point of Ayre	11·5	-4	WNW	2	bc	57	75	50	8	2	4	9	1	4-6	3000	0	2
Tiree	08·4	-8	SW'W	2	c	52	92	50	7	8	-	-	9+	9+	1800	0	3
Stornoway	04·2	-8	SSW	6	c	53	92	50	8	5	7	-	7-8	9+	2000	1	3
Dalwhinnie	08·2	-10	SSW	3	c	50	75	41	8	5	-	-	9+	9+	2500	0	*
Aberdeen †	07·4	-12	N	2	bc	50	75	41	8	-	5	-	0	2-3	-	1	2
Wick	05·7	-16	SW	3	c	51	85	45	9	5	3	-	7-8	9	3500	0	*
Sumburgh	03·1	-18	SW'S	6	c	50	85	46	9	5	3	-	7-8	9	4000	0	3
Blacksod Point	11·4	-2	WSW	3	c	54	85	48	9	9	-	-	9	9	1500	0	3
Malin Head	09·7	-2	SSW	4	c	51	85	47	8	5	2	-	7-8	10	2500	0	2
Aldergrove	11·3	-6	SW'S	2	c	52	85	48	9	7	5	-	7-8	9	4000	0	*
Birr Castle	12·6	-2	WSW	1	c	52	85	48	8	5	1	-	7-8	9+	2500	0	*
Valentia Obsy.	14·4	0	SW	2	c/pr	54	85	51	9	8	3	-	7-8	9+	2500	0	2
Roches Point	14·1	+2	N	1	c	52	92	49	8	5	3	-	4-6	7-8	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 16th Hrs. (38)
London (Kew)	62	49	36	-	-	1·3
Croydon	63	49	43	Tr	Tr	4·2
S. Farnborough	65	45	40	-	-	5·8
Boscombe Down	62	44	40	0·2	Tr	6·0
Thorney Island	65	44	40	Tr	Tr	*
Lympne	63	45	*	-	1	2·6
Manston	61	50	48	Tr	0·6	2·2
Shoeburyness	65	49	48	Tr	4	2·5
Felixstowe	63	49	46	0·2	0·1	2·6
Gorleston	58	50	47	0·2	0·6	2·3
Mildenhall	59	45	39	Tr	Tr	0·6
Cranwell	59	49	38	0·3	-	0·8
Birmingham	60	46	36	-	-	3·8
Upper Heyford	62	61	44	-	-	*
Ross-on-Wye	62	40	33	Tr	1	6·7
Hartland Point	59	52	48	1	-	8·9
Bristol	62	42	31	-	-	6·5
Portland Bill	58	52	*	-	-	*
Plymouth	64	51	48	Tr	Tr	3·3
The Lizard	59	50	*	Tr	1	2·2
Scilly (St. Mary's)	61	51	*	Tr	0·3	3·1
Guernsey						
Pembroke	57	48	*	-	-	9·5
Holyhead (Valley)	62	46	37	-	-	*
Chester (Sealand)	60	40	28	-	-	8·5
Manchester	61	41	33	-	Tr	*
Spurn Head	54	48	*	0·4	0·2	0·1
Catterick	58	39	32	-	-	1·7
Tynemouth	55	47	44	-	-	*
St. Abbs Head	59	48	*	-	-	
Leuchars	61	42	37	-	-	9·1
Renfrew (Abbots I.)	59	45	39	-	-	2·7
Eskdalemuir	61	33	26	-	-	5·6
Point of Ayre	61	43	*	-	-	5·8
Tiree	57	51	*	0·5	-	4·5
Stornoway	58	51	*	Tr	Tr	0·8
Dalwhinnie	58	39	31	-	-	3·0
Aberdeen †	56	40	29	-	-	11·3
Wick	58	39		-	-	*
Sumburgh	55	48	45	-	-	0·9
Blacksod Point	59	53	*	-	Tr	
Malin Head	58	47		-	-	3·7
Aldergrove	60	46	37	-	-	2·2
Birr Castle	62	43	38	0·2	0·2	1·2
Valentia Obsy.	58	52	50	-	0·1	7·4
Roches Point	60	51	*	2	0·3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 16th June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 17th June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	7-	02867	23327	51	02864	23227	53	01864	20324	57	22864	17326
115	55	02944	20327	52	02944	22427				52	02844	53428
203				8-	02948	18428	89	02955	16526	5-	10948	16628
206	5-	02976	24226	50	01984	22314	50	00967	22307	53	02965	20317
210	73	02964	28227	5-	01964	23214	04	00990	19203	53	01971	20415
220	70	01954	18314	53	01944	20414						
230	7-	02967	18227	77	01963	18324	5-	02945	14117	5-	02748	18328
245	73	02964	14326	53	02963	18215	50	00971	22112	15	01951	22305
260	84	05655	20217	52	01763	21314	03	00890	22103	53	02763	20315
278	74	02976	28227	7-	02967	20317	5-	02957	19217	53	02965	23327
270	86	01963	20414	73	01963	20314	40	00861	17301	83	02855	20326
285	23	02855	28426							5-	02856	28316
288	52	05655	04328	53	05564	04204	07	05590	19287	04	00790	18201
575	7-	02967	22127	7-	02957	26326	57	01863	00014	53	02866	22227
301	16	00962	29312	16	02951	25315	04	00990	24221	53	05654	18216
321	87	25856	32289	8-	02766	12126	53	05563	22214	00	05690	25223
299	80	02746	30416	5-	02746	32326	50	02757	00017	55	05644	24215
292	92	10667	20127	17	02753	26127	53	05664	22224	04	00890	00001
310										--	01643	26213
614	36	05555	06128	26	05564	28125	43	05663	28124	05	05690	24126

III	13h. G.M.T. 16th June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 17th June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
332	83	25864	28387	5-	02976	22216	53	02864	24106	5-	02836	21226
334	--	25645	26286							--	02645	28215
340	2-	02957	30327	8-	02865	32125	50	00872	26112	03	00890	00041
136	5-	22747	32367	57	02841	32188	07	22890	00028	03	05690	24225
336	80	81646	20486	70	01763	24415				10	01753	26313
350	86	05664	22324	56	02773	08125	5-	05675	24125	53	05656	25217
368	24	01954	24214	86	01963	24414	50	00863	28113	84	01753	24214
379	8-	02956	28346	87	02963	26327	50	01864	26364	03	02990	28315
390	8-	05665	24225	53	05674	04225	53	05565	20168	53	05563	24225
382	8-	10966	63416	83	81965	24327	57	01764	00014	53	01861	22114
435	57	02764	22415	58	02765	22515				07	05790	26115
430	8-	81867	22227	56	01866	23227	07	02890	24125	03	01790	30214
409	73	02973	25325	8-	01977	24317	50	01855	24315	84	02865	24216

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	cb cy	cy	cb cz_ow
Croydon	cm$_o$cz_o	cy	cycbz$_o$
Greenwich	cbc	c	bcbc
Camden Square	c	c	*
Kensington	bc	bc	*
Hampstead	b	bcp	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0·1 Time 5h 7h
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	49	36	-	-	1·3	*	*
Croydon	63	49	43	Tr	Tr	4·2	*	*
Greenwich	65	49	34	-	Tr	3·6	66	57
Westminster	64	51	46	-	-	*	64	70
Regents Park	64	51	43	-	Tr	*	65	57
Camden Square	67	52	45	-	-	*	*	54
Kensington	65	50	44	-	-	*	69	59
Hampstead	63	47	48	-	-	*	*	60

SECRET

Page 1

BRITISH SECTION

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

Thursday 18th June 1942

No. 28, 428

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)	Cloud. Height of Base (feet) (15)
1	London (Kew)	12.5	-2	WNW	3	c	63	45	40	8	1	3	-	4-6	7-8	2500
	Croydon ...	12.4	-6	W'N	2	c	68	45	43	8	2	4	-	4-6	7-8	3000
	S. Farnborough	12.4	-2	NW'N	3	c	68	45	41	9	1	3	-	4-6	9	3000
	Boscombe Down	13.2	-6	W'N	2	c	64	45	43	8	2	7	-	4-6	7-8	3000
	Thorney Island	12.9	-4	SW	3	c	65	55	46	8	2	3	1	2-3	7-8	2500
	Lympne ...	13.4	-2	SW	1	c/pr	58	65	47	6	2	6	-	7-8	9+	4000
	Manston ...	11.9	-2	-	0	uc	61	75	53	6	3	6	-	7-8	7-8	3500
2	Shoeburyness ...	12.2	-8	W'N	3	z_0	65	55	48	5	2	6	-	4-6	7-8	3000
	Felixstowe ...	11.8	-4	W'N	4	bc	65	55	46	7	2	-	-	4-6	4-6	2500
	Gorleston ...	12.0	0	W	2	c	63	45	43	7	8	-	-	7-8	7-8	2000
	Mildenhall ...	11.6	-4	W'N	3	c	61	55	47	7	2	7	-	4-6	7-8	2500
	Cranwell ...	10.8	-6	W'S	3	c	65	65	53	7	4	-	-	7-8	7-8	3500
3	Birmingham ...	11.9	0	WNW	2	c	61	45	40	8	8	7	-	7-8	7-8	2500
	Upper Heyford	11.8	-10	W'S	3	bc	63	55	47	8	1	3	-	4-6	4-6	2800
4	Ross-on-Wye	12.2	-6	SW	2	c	63	55	47	9	7	-	-	9+	9+	4000
5	Hartland Point	14.2	0	NE	2	bc	59	75	49	9	2	6	-	2-3	4-6	2500
	Bristol ...	13.7	-2	W'S	3	bc	63	65	50	8	1	3	-	Tr	4-6	4000
	Portland Bill ...	14.1	-10	SW	2	bc	56	85	52	8	2	-	-	10	10	4000
	Plymouth ...	15.0	+2	SW	3	c	57	85	52	8	8	-	-	9+	9+	4500
	The Lizard ...	14.9	-2	WNW	3	bc	60	75	53	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	15.6	+2	WSW	3	c	61	75	53	9	2	4	-	2-3	7-8	1800
	Guernsey ...															
6	Pembroke ...	14.2	+2	W	3	c	55	85	49	8	2	6	-	2-3	7-8	3000
7	Holyhead (Valley)	12.2	-2	SW'S	3	c	59	75	49	9	4	5	4	Tr	9	3000
	Chester (Sealand)	11.9	-2	NW'N	3	c	59	65	49	8	8	-	-	4-6	9+	3000
8	Manchester ...	11.1	-6	W'S	3	c	62	65	49	7	2	6	3	4-6	9+	2500
10	Spurn Head ...	10.9	-6	W'N	2	bc	62	55	46	6	2	-	-	4-6	4-6	4000
	Catterick ...	10.0	-6	WSW	3	c	60	65	47	8	5	-	-	7-8	9+	2000
	Tynemouth ...	09.7	-6	W	5	c	63	55	44	7	8	3	-	7-8	9	2800
11	St. Abbs Head	07.3	+6	SW	3	c	57	75	49	8	1	3	-	4-6	9+	1500
	Leuchars ...	06.3	-6	W	4	c	60	65	47	8	5	3	-	7-8	9	3500
12	Renfrew (Abbotsi.)	08.5	-6	W	5	c	58	65	47	8	5	2	-	9	10	2500
	Eskdalemuir ...	08.4	-4	WSW	4	c	58	65	44	8	5	-	-	9+	9+	1800
	Point of Ayre ...	11.0	-4	W	4	c	58	75	50	8	5	4	5	7-8	9+	5000
13A	Tiree ...	07.4	0	WSW	3	id	54	97	53	6	-	2	-	10	10	400
13B	Stornoway ...	02.9	-8	SW	5	c/pr	55	92	53	8	5	7	-	7-8	10	2000
15	Dalwhinnie ...	06.0	-4	SW	3	c	55	65	45	8	5	-	-	9+	9+	2500
	Aberdeen ...	04.8	-8	E	2	c	61	65	48	8	-	7	-	0	0	-
	Wick ...	04.2	-4	WSW	4	c	57	85	51	9	1	7	-	1	10	2500
16	Sumburgh ...	01.6	-6	SW	6	id	56	97	56	5	2	-	-	9	10	700
17	Blacksod Point	11.2	+2	WSW	4	c	56	75	46	8	5	-	-	10	10	1500
18	Malin Head ...	08.5	-4	W	4	c	57	85	52	8	5	-	-	9	9	2500
	Aldergrove ...	10.5	-2	W	2	c	57	75	48	9	7	-	-	10	10	2500
19	Birr Castle ...	12.2	-2	W	2	c	58	75	51	8	8	2	-	7-8	10	1500
20	Valentia Obsy.	14.3	-2	W'S	4	c/d	59	75	52	9	8	-	1	7-8	7-8	2500
	Roches Point	13.5	-4	W'N	3	c	58	85	53	9	8	-	-	9	9	1500

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)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	11.2	-8	NW	3	c	67	45	43	8	8	-	6	4-6	9	2500	0	*
	Croydon ...	11.7	-6	WNW	3	c	66	45	46	8	2	-	1	4-6	7-8	4000	0	*
	S. Farnborough	11.5	-4	W	3	c	65	45	45	8	8	6	6	2-3	10	3500	0	*
	Boscombe Down	12.5	-2	W'N	3	c	64	45	44	8	1	-	6	1	7-8	4000	0	*
	Thorney Island	12.6	-2	WSW	4	c	61	65	45	9	4	3	6	1	7-8	4000	0	*
	Lympne ...	12.3	-2	SSE	2	c	64	45	44	8	2	6	4	1	7-8	5500	0	§ 3
	Manston ...	11.3	0	N'W	2	z_0	63	65	52	6	4	3	6	1	7-8	4000	1	*
2	Shoeburyness ...	12.2	+4	NW'N	2	bc	65	55	47	8	-	-	4	0	2-3	-	0	*
	Felixstowe ...	11.1	-2	WNW	2	c	65	55	47	7	8	-	1	9	9	2500	1	2
	Gorleston ...	11.8	-2	SE	2	z_0	57	75	49	6	8	3	-	4-6	7-8	2000	0	2
	Mildenhall ...	10.6	-6	W	2	c	65	55	46	8	2	7	6	2-3	7-8	3000	0	*
	Cranwell ...	10.3	-2	W'N	3	c	62	65	50	7	5	3	-	2-3	10	5500	0	*
3	Birmingham ...	11.2	-2	W	3	c	60	55	48	8	8	7	-	7-8	9+	2500	0	*
	Upper Heyford	10.9	-4	WNW	3	c	65	55	47	8	4	-	6	4-6	9+	7000	1	*
4	Ross-on-Wye	12.1	0	W	3	c	60	65	47	9	5	3	-	7-8	10	4000	0	*
5	Hartland Point	14.2	-2	WNW	3	c	57	75	48	9	2	4	2	2-3	7-8	2500	0	3
	Bristol ...	13.6	+4	WSW	4	c	58	75	50	8	1	7	2	Tr	7-8	4000	0	*
	Portland Bill ...	13.5	-6	WSW	3	c	56	85	52	8	2	4	-	4-6	7-8	4000	1	3
	Plymouth ...	14.6	0	NW	3	c	60	65	49	9	1	6	-	Tr	7-8	5000	0	3
	The Lizard ...	15.5	0	WNW	4	c	55	85	50	8	8	9	-	7-8	7-8	2500	0	3
	Scilly (St. Mary's)	16.1	+2	W'N	3	c	56	85	50	9	4	7	-	7-8	9+	1800	0	2
6	Pembroke ...	13.8	0	W'S	4	c	54	92	51	8	2	6	-	2-3	7-8	3000	0	2
7	Holyhead (Valley)	11.4	-4	SW	4	c	55	85	49	9	5	7	-	9	9+	5000	0	2
	Chester (Sealand)	11.3	-2	WSW	3	c	60	65	47	9	4	7	2	7-8	9+	2500	0	*
8	Manchester ...	10.9	+2	W'N	3	c	57	65	46	7	4	7	-	7-8	9+	4000	0	*
10	Spurn Head ...	09.8	0	W'N	3	c	59	65	47	6	8	2	#	7-8	10	800	0	3
	Catterick ...	09.8	0	W'S	3	c	57	75	47	8	5	7	-	4-6	9+	3000	1	*
	Tynemouth ...	09.5	0	W	5	c	58	65	46	7	8	-	-	9	9	2800	1	3
11	St. Abbs Head	06.5	-4	W	4	c	57	75	49	8	5	7	-	7-8	9+	1500	0	3
	Leuchars ...	06.1	+2	W	5	c	59	65	47	9	8	-	-	9+	9+	3000	0	*
12	Renfrew (Abbotsi.)	08.2	-2	W'N	4	c	56	75	48	8	4	2	-	7-8	10	2500	1	*
	Eskdalemuir ...	08.2	0	SW'N	4	c	54	75	47	8	5	-	-	9+	9+	2200	1	*
	Point of Ayre ...	09.9	-10	W	4	c	58	75	51	8	5	-	-	9+	9+	5000	0	2
13A	Tiree ...	07.2	0	W'N	2	c/d	58	97	53	7	5	-	-	9	9	800	1	3
13B	Stornoway ...	05.1	+14	WNW	4	c	55	85	49	8	5	7	-	4-6	9	2500	1	2
15	Dalwhinnie ...		0	SW	3	id	53	85	48	8	5	-	-	10	10	2500	1	*
	Aberdeen ...	04.9	+4	N'W	3	c	59	65	49	8	-	7	-	0	9+	-	1	2
	Wick ...	04.6	+6	NW	4	c/pr	53	92	50	8	8	6	-	7-8	7-8	1500	0	*
16	Sumburgh ...	02.2	+14	W'N	4	bc	51	85	48	9	5	3	-	4-6	4-6	900	0	4
17	Blacksod Point	11.1	-2	WSW	4	d	54	97	53	6	-	2	-	10	10	800	1	3
18	Malin Head ...	08.5	+2	SW	4	dd	54	97	53	6	5	2	-	4-6	10	800	1	3
	Aldergrove ...	09.9	+2	W'N	3	id	57	75	48	9	5	2	-	4-6	10	2500	0	*
19	Birr Castle ...	11.7	-2	WSW	3	c	57	75	50	8	8	2	-	7-8	10	1500	0	*
20	Valentia Obsy.	14.3	0	W'S	4	c	56	85	50	8	5	-	-	10	10	4000	0	4
	Roches Point	12.8	-6	W	3	c	58	86	53	9	5	-	-	9	9	1500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 17th. (39)	Weather. 13h.—18h. 17th (40)	Weather. 18h.—1h. 17th/18th (41)	Weather. 1h.—7h. 18th (42)
1	London (Kew)	bczcy	bccy	cyc	cm.
	Croydon ...	bczcy	cbcy	bcyc	bc,c
	S. Farnborough	cbccy	cbccy	cyc	cwpr.bc
	Boscombe Down	cbccy	cybcy	bcycbc	bcw
	Thorney Island	bccy	cybcc	c	cbac
	Lympne ...	bczpr	czzbcy	cybcycbc	bcfgc
	Manston ...	cbcm	cbczcm	bczmc	bcmc
2	Shoeburyness ...	bcmcz	czbcy	bybcm	bcm,cr
	Felixstowe ...	bmcybcy	bcycy	cybccbcm	bccr,cm
	Gorleston ...	czby	bcz	cz	cmpr
	Mildenhall ...	ccy	cbccy	cz	czmbr,c
	Cranwell ...	bcmc	c	bccm	cmtdm
3	Birmingham ...	bc	bcc	c	c
	Upper Heyford	cbcc	bccy	ccubc	bcc
4	Ross-on-Wye	brbcr	cycr	cr	bcc
5	Hartland Point	bc	bcc	cbccp	bcc
	Bristol ...	bc	bcc	cbc,bc	bccd
	Portland Bill ...	c	c	c	c
	Plymouth ...	c	cr	c	c
	The Lizard ...	bxcbc	bcc	c	c
	Scilly (St. Mary's)	c	c	c	bc
6	Pembroke ...	bcc	c	cbc	c
7	Holyhead (Valley)	bcc	cvirc	cir	orr.d.d
	Chester (Sealand)	c	c	c	cid
8	Manchester ...	qbczcy	czc	c	m.d.d
10	Spurn Head ...	bcm	cm	cm	cm
	Catterick ...	cy	cyc	bcc	cid.dm
	Tynemouth ...	bcc	c	coir	oir
11	St. Abbs Head	bcc	c	c	corc
	Leuchars ...	cbccyc	bcyrc	c	rrm.c
12	Renfrew (Abbotsi.)	c	c	cid.c	bccm
	Eskdalemuir ...	c	c	cir	cir
	Point of Ayre ...	bcc	c	d.d.c	ddd.d.c
13A	Tiree ...	cd.d.id	cd.d.c	cid	c
13B	Stornoway ...	cpr	c	c	c
15	Dalwhinnie ...	c	cid		ocid.o
	Aberdeen ...	bcc	cbc	cir.c	c
	Wick ...	c	crrdpr	c	cvc
16	Sumburgh ...	cd.d.d	cd.dmbcc	bcc	cid.prc
17	Blacksod Point	pr	r	d	c
18	Malin Head ...	r	d	d	d
	Aldergrove ...	cpcid	cid	cid.c	cid.c
19	Birr Castle ...	c	c		r
20	Valentia Obsy.	pr	pr	d	d
	Roches Point	c	c	c	c

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Mainly light West to Northwest winds; cloudy; slight rain or drizzle locally, occasionally: rather cool.
5 S.W. England 6 South Wales	Light to moderate Westerly winds; fair with some bright periods; average temperature.
7 North Wales 8 N.W. England 9 N. Midlands ...	Light Northerly winds; cloudy with brighter intervals; light local rain or drizzle at first: cool.
10 N.E. England 11 S.E. Scotland	Moderate North to Northeast winds; dull; some coastal showers: very cool.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate Northerly winds; variable cloud; bright periods; a few showers chiefly on the coast; cool to very cool.
16 Orkneys and Shetlands	As 12-15
17 N. W. Ireland 18 N. E. Ireland	As 7-9
19 S. E. Ireland 20 S. W. Ireland	As 1-4

GENERAL INFERENCE

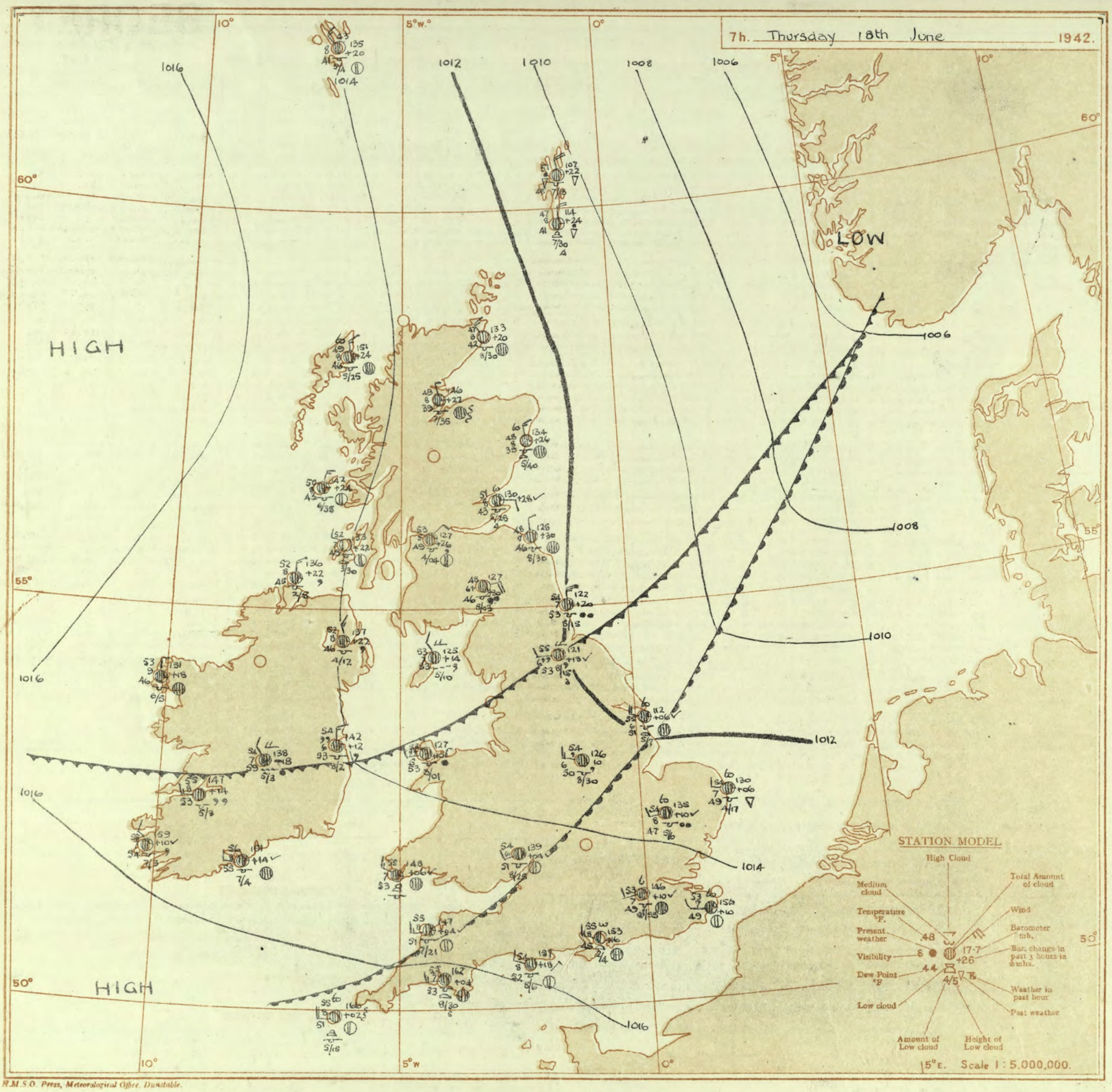
A feeble trough of low pressure is moving slowly southeast over the southern half of the British Isles and will cause a little light local rain or drizzle and mainly cloudy weather generally. In Scotland there will be brighter periods with a few scattered showers.

FURTHER OUTLOOK

Fair in many areas at first, but a depression is expected to spread in from the Atlantic.

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, Meteorological Office, Dunstable.

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

Explanation of Frontal Lines shown on Charts

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

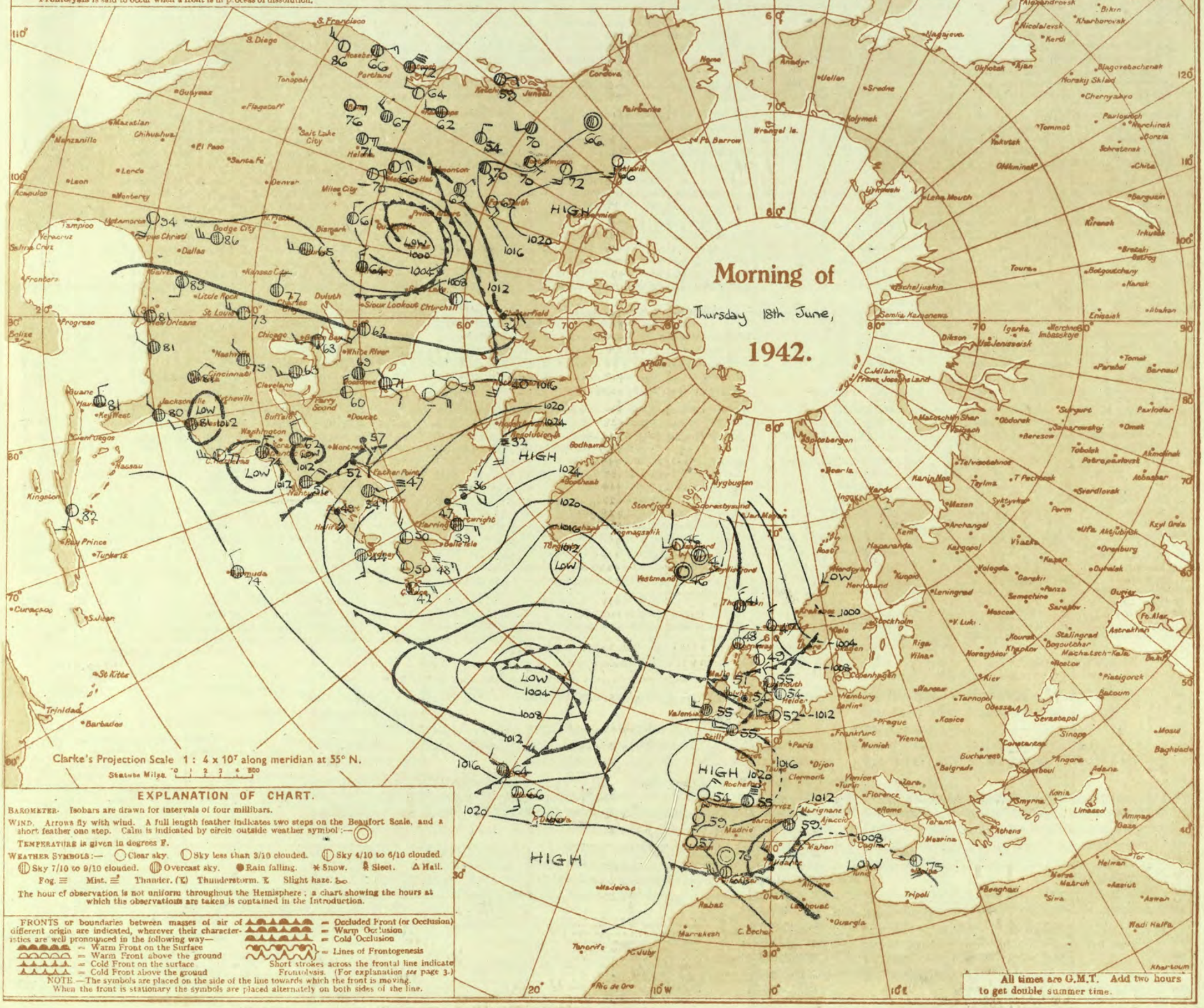
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Thursday 18th June 1942

No. 29,428

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)	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	13·5	+6	WSW	3	bc	52	85	47	7	5	3	1	2-3	7-8	4500
	S. Farnborough	226	14·0	+6	W'N	1	c	51	85	46	8	-	5	-	0	7-8	-
	Boscombe Down	417	14·4	+2	W'N	2	bc	49	92	47	8	-	3	-	0	4-6	-
	Thorney Island	10	14·1	+2	WNW	3	c	53	75	47	8	-	3	7	0	10	-
	Lympne ..	283	14·0	+2	WSW	1	bc	51	92	49	7	5	-	1	1	4-6	5000
	Manston ...	154	12·6	+2	W	2	z₀	52	85	48	6	-	-	1	0	2-3	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	12·0	+2	WNW	1	z₀	57	85	51	6	-	7	-	0	2-3	-
	Gorleston ...	5	12·3	+2	NW'W	2	z₀	55	85	49	7	8	-	-	10	10	1500
	Mildenhall ...	15	12·5	+6	W	2	z₀	54	75	48	6	5	7	-	4-6	7-8	5000
	Cranwell ...	203	11·7	+2	W'S	3	z₀	51	85	47	6	-	7	-	0	7-8	-
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13·0	+4	-	0	bc	51	85	46	8	-	4	8	0	4-6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·4	-2	WNW	4	bc	54	85	50	8	4	-	-	2-3	2-3	2500
	Bristol ...	209	14·6	0	WSW	2	bc	52	92	50	8	5	7	-	4-6	4-6	1800
	Portland Bill ...	32	13·9	-2	W	3	c	53	92	51	8	5	-	-	7-8	7-8	4000
	Plymouth ...	82	15·8	-2	W	3	c	54	92	52	8	5	7	-	9	10	3300
	The Lizard ...	240	16·2	+6	W'N	1	c	54	92	52	8	8	2	-	9	10	1500
	Scilly (St.Mary's)	163	16·3	0	W	4	c	55	85	52	8	8	2	-	7-8	9+	1800
	Guernsey ...	175															
6	Pembroke ...	142	13·6	-4	W'S	4	bc	54	92	52	8	5	-	-	4-6	4-6	4000
7	Holyhead (Valley)	32	11·7	+4	W	4	r₀r₀	54	92	51	7	5	-	-	2-3	10	1000
	Chester (Sealand)	16	11·7	0	W	1	c	57	75	49	8	5	2	-	4-6	10	4200
8	Manchester ...	235	11·5	+2	S	2	c	53	85	48	7	5	7	-	3	10	4000
10	Spurn Head ...	29	10·6	+4	W'S	3	c	54	85	49	6	7	2	-	4-6	9+	4000
	Catterick ...	175	10·4	+2	WSW	2	c	55	85	50	8	5	-	-	9+	9+	2700
	Tynemouth ...	108	09·9	+4	NW	3	c	55	85	51	6	-	2	-	10	10	2500
11	St. Abbs Head	280	07·9	+4	W	4	c	54	92	53	7	5	-	-	9+	9+	2500
	Leuchars ...	36	07·9	+12	NW	2	c	55	85	49	8	5	-	-	9	9	3500
12	Renfrew (Abbots L.)	19	09·2	+6	W'N	1	c	53	92	51	8	5	7	-	9	9+	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	10·5	+4	W'N	3	c/d	54	97	53	7	6	2	-	10	10	4000
13A	Tiree	22	10·7	+14	N	3	c	50	75	43	8	5	-	-	9	9	2500
13B	Stornoway ...	80	11·2	+26	N	3	c	48	85	44	8	5	7	-	7-8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	09·4	+22	NNW	3	bc	49	85	45	7	5	-	-	4-6	4-6	3500
	Wick ...	114	10·3	+26	NW	2	c	46	85	41	8	5	2	-	7-8	9+	3000
16	Sumburgh ..	19	07·8	+18	NNW	3	c	47	65	37	8	5	-	-	10	10	2500
17	Blacksod Point	18	12·5	+6	W	2	c	53	97	52	7	5	-	-	9+	9+	2500
18	Malin Head ...	84	10·4	+8	NNW	1	iD	51	92	49	5	5	2	-	7-8	10	450
	Aldergrove ...	268	10·8	+2	W	1	id.	54	97	53	6	5	2	-	9+	10	700
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	14·8	0	W	3	c/d	55	97	54	6	5	-	-	10	10	450
	Roches Point	22	14·0	-2	W'S	2	c	55	92	53	8	5	-	-	9+	9+	1500

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)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	14·3	+6	WSW	2	z₀	56	75	48	6	5	3	-	7-8	9	2500	0	*
	Croydon ...	14·6	+10	W'S	2	c	58	85	49	7	5	4	-	2-3	9	5500	0	*
	S. Farnborough	14·5	+4	W'S	2	bc	54	85	48	8	1	7	-	Tr	7-8	2000	0	*
	Boscombe Down	15·1	+4	SW'W	1	c	59	85	50	8	8	3	-	4-6	9	2500	0	*
	Thorney Island	15·3	+16	W	3	c	55	85	50	8	1	3	-	1	7-8	1500	0	*
	Lympne ..	15·6	+10	W'N	1	c	53	85	49	7	-	7	-	0	9	-	0	3
	Manston ...	14·1	+8	W	1	z₀	56	85	50	6	-	9	-	0	9+	-	0	*
2	Shoeburyness...	14·6	+10	WSW	2	c	56	85	50	5	-	7	-	0	9+	-	0	*
	Felixstowe ...	12·8	+2	W	2	c/r	56	75	48	6	5	-	-	9+	9+	4000	0	2
	Gorleston ...	13·0	+6	W'N	2	c	54	85	49	7	5	7	-	4-6	9	1700	0	2
	Mildenhall ...	13·5	+10	WSW	2	c/r	54	75	47	8	5	7	-	7-8	10	4000	0	*
	Cranwell ...	12·6	+10	W	3	id₀	54	85	50	6	5	-	-	10	10	3000	0	*
3	Birmingham ...	13·9	+10	WSW	3	c	53	85	48	6	5	2	-	9	10	1500	0	*
	Upper Heyford	13·6	+4	WSW	2	c	53	85	49	7	5	7	-	2-3	9+	4500	0	*
4	Ross-on-Wye	13·9	+4	SW	2	z₀	54	85	51	6	5	-	-	10	10	2500	0	*
5	Hartland Point	14·7	+4	W	3	c	55	85	51	8	5	-	-	9+	9+	2100	0	3
	Bristol ...	15·2	+6	WSW	2	id₀	54	85	51	7	5	3	-	9	10	1500	0	*
	Portland Bill ...	15·7	+18	W	2	c	54	92	52	8	5	-	-	10	10	4000	1	2
	Plymouth ...	16·2	+4	WSW	3	c	55	92	53	7	7	-	-	10	10	3000	0	2
	The Lizard ...	16·2	+2	W	3	c	55	92	53	8	8	3	-	2-3	9+	1500	0	3
	Scilly (St.Mary's)	16·6	+2	W	4	c	55	85	51	8	8	7	-	7-8	10	1500	0	5
	Guernsey ...																	
6	Pembroke ...	14·8	+6	WNW	3	c	55	92	53	7	8	-	-	9+	9+	3000	0	2
7	Holyhead (Valley)	12·7	+10	WSW	2	d₀d₀	53	97	53	5	5	-	-	10	10	100	1	2
	Chester (Sealand)	12·9	+10	WNW	3	c	55	85	52	7	5	2	-	9+	10	1200	0	*
8	Manchester ...	11·8	+4	W'S	2	c/d	53	97	52	6	5	-	-	10	10	700	1	*
10	Spurn Head ...	11·2	+6	W	4	c	55	85	51	6	7	7	-	7-8	9+	5700	0	2
	Catterick ...	12·1	+18	W	2	d₀d₀	55	92	53	6	-	2	-	10	10	1500	1	*
	Tynemouth ...	12·2	+20	N	5	c/r	54	97	53	7	5	-	-	10	10	1500	1	3
11	St. Abbs Head	12·8	+30	N	2	c	48	92	46	7	5	-	-	10	10	3000	1	2
	Leuchars ...	13·0	+28	E	2	c	51	75	43	8	5	3	-	7-8	9	2800	1	*
12	Renfrew (Abbots L.)	12·7	+26	NE'N	1	z₀	53	85	49	5	5	-	-	4-6	9	400	1	*
	Eskdalemuir ...	12·7	+30	ENE	4	c/r	48	92	46	6	5	-	-	10	10	700	1	*
	Point of Ayre...	12·5	+14	NW'N	2	c	53	97	53	7	6	2	-	7-8	10	1000	1	2
13A	Tiree	14·2	+24	N'E	3	c	50	75	43	8	5	-	-	9	9	3500	0	4
13B	Stornoway ...	15·1	+24	N	3	c	49	85	46	8	5	7	-	7-8	10	2500	1	1
15	Dalwhinnie ...	14·1	+22	NE	2	o	43	85	49	7	5	-	-	10	10	1500	1	*
	Aberdeen † ...	13·6	+28	N'W	3	c	49	75	40	8	7	-	*	9+	9+	2900	1	2
	Wick ...	13·3	+20	NW	3	c	47	85	42	8	5	-	-	10	10	3000	0	*
16	Sumburgh ..	11·4	+24	NW	4	c/pr	47	85	41	8	8	-	*	9+	9+	2000	0	4
17	Blacksod Point	15·1	+18	N	1	c	53	75	46	9	5	-	*	9	9	2500	1	·
18	Malin Head ...	13·6	+22	N	3	c	52	75	45	8	5	-	-	9+	9+	2500	1	2
	Aldergrove ...	13·7	+22	NNW	3	c	52	85	46	8	5	-	-	4-6	9+	1200	0	*
19	Birr Castle ...	13·8	+18	NW	1	c	54	97	53	7	6	2	-	7-8	10	800	0	*
20	Valentia Obsy.	15·9	+10	NW'W	2	c	55	97	54	7	5	-	-	9+	9+	800	1	3
	Roches Point	15·1	+14	W'S	2	c	56	97	55	8	5	-	*	9+	9+	1500	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 17h Hrs. (38)
1	London (Kew)	67	52	45	-	-	9·1
	Croydon ...	67	50	47	-	-	11·7
	S. Farnborough	68	49	42	-	Tr	8·4
	Boscombe Down	67	46	41	-	-	8·1
	Thorney Island	67	50	48	-	-	*
	Lympne ..	66	45		Tr	-	5·5
	Manston ...	63	51	42	-	-	6·0
2	Shoeburyness...	69	52	43	-	Tr	10·6
	Felixstowe ...	68	37	35	-	Tr	10·7
	Gorleston ...	63	54	53	-	Tr	4·3
	Mildenhall ...	67	50	47	-	Tr	10·0
	Cranwell ...	66	49	44	-	Tr	7·1
3	Birmingham ...	66	51	45	-	-	5·9
	Upper Heyford	67	48	44	-	-	*
4	Ross-on-Wye	68	49	40	-	-	6·9
5	Hartland Point	60	58	50	-	Tr	10·4
	Bristol ...	65	51	45	-	-	9·8
	Portland Bill ...	56	51	*	-	-	*
	Plymouth ...	63	53	48	-	-	3·3
	The Lizard ...	60	52	*	-	-	9·3
	Scilly (St.Mary's)	62	54	*	-	1	7·8
	Guernsey ...						
6	Pembroke ...	57	49	*	-	2	
7	Holyhead (Valley)	60	52	52	Tr	0·4	*
	Chester (Sealand)	62	54	52	-	Tr	3·5
8	Manchester ...	63	53	51	-	0·1	*
10	Spurn Head ...	65	49	*	-	-	5·7
	Catterick ...	62	53	50	-	0·1	5·8
	Tynemouth ...	64	54	49	-	1	*
11	St. Abbs Head	59	47	*	-	1	
	Leuchars ...	63	50	49	-	1	6·0
12	Renfrew (Abbots L.)	59	49	43	-	-	0·8
	Eskdalemuir ...	58	47	47	-	0·1	2·0
	Point of Ayre...	62	52	*	-	0·4	3·2
13A	Tiree	56	50	*	0·1	0·3	0·7
13B	Stornoway ...	57	46		Tr	-	1·2
15	Dalwhinnie ...	57	43	41	Tr	0·1	1·2
	Aberdeen † ...	63	46	41	-	Tr	7·4
	Wick ...	59	46	44	Tr	-	
16	Sumburgh ..	52	44	42	0·1	-	1·4
17	Blacksod Point	57	50	*	0·4	1	
18	Malin Head ...	58	50		0·5	1	0·7
	Aldergrove ...	61	49	45	Tr	0·2	0·1
19	Birr Castle ...	60	53	51	-	5	0·5
20	Valentia Obsy.	61	54	53	0·1	0·6	
	Roches Point	60	54	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 17th June			18h. G.M.T.			01h. G.M.T. 18th 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 52	03748	20828	5-	02765	26525	5-	02757	28487	5-	02757	26327
115			52	02834	28467	52	02844	32327			
203						5-	02948	32428			
206 57	02855	24528	57	02855	22328	5-	01855	28315	5-	02867	30127
210 78	02864	22437	5-	02968	26328	53	02765	30427	5-	02968	26328
220									57	02953	28217
230 6-	02724	18358	6-	51605	18358	5-	01844	16125	5-	01863	28213
245 13	02963	24417	53	02975	57417	5-	02957	32227	74	00952	65413
260 52	02863	20516	73	02775	26526	52	05656	20328	5-	02857	07327
278 7 -	02878	20328	5-	02867	20227	02	52528	26358	5-	02957	26357
279 83	02963	20516	77	02865	20427	52	02746	20258	87	02856	28257
285 27	02854	24627							5-	51638	25058
288 73	02856	19317	75	02864	21427	51	02754	18328	6-	59416	32368
575 5-	02858	26358	51	51747	26368	5-	51738	24258	57	02853	32157
301 23	02951	24416	52	61966	24428	5-	21748	25458	02	52428	26358
321 5-	05668	24328	47	02762	26327	53	05664	23226	55	52556	22258
299			57	02754	24415	5+	02757	24227	5-	52538	22158
292 7-	02854	23217	47	02955	57327	57	02764	22127	52	51645	26158
310 --	02636	24328							--	57109	24349
614 26	05664	22225	76	05664	24227	57	05665	22126	57	51664	22128

13h. G.M.T. 17th June			18h. G.M.T.			01h. G.M.T. 18th 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
333 13	02952	20826	51	61967	20388	5-	61748	21328	5-	52628	26258
334									--	03646	22228
340 8-	02954	25217	77	02875	26327	5-	02867	24327	52	02867	22258
136 23	05643	27215	50	05661	24225	03	05690	24225	53	02764	22288
336 70	01755	24415	53	02752	28416				52	02755	24428
350 2-	01764	25215				07	02790	22225	57	02775	19327
368			83	02953	22427	50	01745	24215	52	02747	20428
379 2-	02956	28226	83	02855	22327	03	01890	24313	57	02764	20323
390 23	02755	26325	24	01763	26215	03	05690	24215	53	05675	22227
382 29	01864	28325	17	02962	22326	05	01890	24214	5-	02778	24228
438 8-	02666	22416	08	01890	22414	53	01753	22314	77	02764	22316
430 23	02864	22326	20	01861	21424	03	02790	26125	7-	02776	22226
409 8-	02945	24326	29	01943	24325	50	02868	24318	52	52626	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. † 0Ih. observations from Dyce.

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 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 ...	bcz₀cy	bccy	cycem₀	Kew 24 hours ended 7h. Max. Time <0·1 whole Min. Time Period.
Croydon ...	bcz₀cy	cbcy	bcye,c	
Greenwich ...	cy	cbcdy	c	
Camden Square	c	b	*	
Kensington ...	b	bc	*	
Hampstead ...	bc	bc	0	

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine yesterday to sunset hrs	Humidity 18h % Yesterday	Humidity 9h % To-day
Kew ...	67	52	45	-	-	9·1	*	*
Croydon ...	67	50	47	-	-	11·7	*	*
Greenwich ...	68	51	41	-	-	7·0	37	69
Westminster ...	68	57	49	-			65	85
Regents Park ...	68	52	49	-	-		45	71
Camden Square	69	53	50	-	-	*	*	71
Kensington ...	68	52	49	-	-		49	73
Hampstead ...	66	50	47	-	-		*	77

BRITISH SECTION

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

SECRET

Friday 19th June 1942

No. 29429

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	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)	16·3	+10	WSW	2	c/r	58	55	42	6	5	2	-	9	10	1500
	Croydon	15·8	+10	W'S	2	c	61	75	51	7	4	7	-	2-3	10	2800
	S. Farnborough	15·0	+10	W'N	3	ifo	61	65	51	8	5	7	-	9	10	1600
	Boscombe Down	16·5	+10	W	2	ido	59	75	51	8	6	7	-	7-8	10	1600
	Thorney Island	16·4	+10	SW'W	3	c	61	65	51	8	7	7	-	7-8	10	2500
	Lympne	16·9	+6	SW	2	c	62	65	50	8	1	7	-	4-6	10	4000
	Manston	15·4	+10	W'N	3	c	64	65	51	8	6	7	-	2-3	10	3500
2	Shoeburyness	15·8	+10	W'N	3	zo	67	65	54	6	2	7	-	4-6	9+	2500
	Felixstowe	15·0	+8	SW'S	1	c	63	65	53	7	7	-	-	7-8	10	2000
	Gorleston	15·3	+8	WNW	2	c	59	75	51	7	5	-	-	10	10	2000
	Mildenhall	14·9	+10	WNW	3	c	61	75	52	8	7	7	-	7-8	10	3000
	Cranwell	14·9	+14	W'N	3	ido	56	92	54	6	5	-	-	10	10	1800
3	Birmingham	15·0	+8	WNW	2	c	60	65	49	7	5	-	-	10	10	2500
	Upper Heyford	16·3	+10	W	3	c	59	75	51	7	5	2	-	4-6	10	1800
4	Ross-on-Wye	15·4	+8	W'S	2	c	61	75	53	9	5	-	-	10	10	3000
5	Hartland Point	16·5	+10	W	3	c	59	85	54	7	5	2	-	4-6	9+	2000
	Bristol	17·0	+16	W'S	2	c	58	85	53	7	5	2	-	7-8	10	2500
	Portland Bill	16·9	+8	W	2	c	56	92	54	8	5	-	-	10	10	4000
	Plymouth	17·2	+6	SW	3	dod.	57	92	54	6	5	-	-	10	10	1500
	The Lizard	17·6	+6	WNW	4	o	57	92	55	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	18·1	+8	W'S	3	c	58	85	54	7	8	7	-	7-8	10	1500
	Guernsey															
6	Pembroke	17·0	+8	W	3	c	56	92	54	7	8	-	-	9+	9+	4000
7	Holyhead (Valley)	15·8	+18	NW	2	c	58	75	51	7	5	2	-	2-3	9+	600
	Chester (Sealand)	15·7	+16	NW'W	3	ido	59	85	54	6	6	2	-	4-6	10	400
8	Manchester	14·9	+14	W'S	3	c	61	75	56	6	8	-	-	4-6	10	1800
10	Spurn Head	15·2	+24	N'E	4	zo	55	85	51	6	7	7	-	4-6	10	1600
	Catterick	16·8	+22	NE	3	zo	53	75	45	6	5	2	-	4-6	10	1500
	Tynemouth	18·7	+28	NNE	4	c	51	85	46	7	8	-	-	9+	9+	2400
11	St. Abbs Head	16·7	+22	N	1	c	54	65	43	8	5	-	-	9+	10	3000
	Leuchars	17·0	+18	ESE	3	c	55	65	42	8	7	-	-	9	9	3500
12	Renfrew (Abbots I.)	15·7	+14	E'S	2	zo	61	55	45	6	5	2	-	4-6	4-6	4000
	Eskdalemuir	16·2	+24	NE'E	3	c	54	75	46	8	5	-	-	10	10	2500
	Point of Ayre	15·6	+16	NW	3	b	60	75	50	8	4	-	-	1	1	4000
13A	Tiree	17·5	+12	N'E	3	b	56	65	44	8	1	-	-	Tr	Tr	3500
13B	Stornoway	19·4	+26	ENE	4	c/pr	48	97	48	8	5	7	-	7-8	9+	2000
15	Dalwhinnie	17·5	+8	N	3	bc	52	55	36	8	8	-	-	4-6	4-6	2500
	Aberdeen	17·1	+14	N'E	4	c	52	65	41	8	8	-	-	9+	9+	2800
	Wick	17·2	+18	NW	3	c	49	85	44	9	8	-	1	7-8	9	3000
16	Sumburgh	15·7	+24	NW	4	c	48	75	41	8	8	-	-	9	9	2000
17	Blacksod Point	17·9	+18	NNW	3	bc	59	65	48	8	8	-	-	1	2-3	4000
18	Malin Head	17·1	+14	NNE	3	c	53	75	45	8	5	-	-	7-8	7-8	2500
	Aldergrove	16·3	+10	NNW	3	c	60	65	48	8	5	-	-	7-8	7-8	2500
19	Birr Castle	16·1	+6	N	1	c	63	65	52	8	4	-	-	7-8	7-8	1500
20	Valentia Obsy.	18·1	+10	NW'W	3	c	58	85	54	8	5	-	-	9	9	1500
	Roches Point	16·9	+10	S	1	c	58	92	56	9	8	-	-	9+	9+	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 8 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	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 to 1h. 19th (41)	Weather 1h.–7h. 19th (42)
London (Kew)	17·3	+10	WNW	2	c	62	65	52	7	5	2	-	9	10	1500	0	*	cfozoy	c	cm.	cez.m.
Croydon	16·7	+4	W	2	c	60	75	53	6	5	-	-	10	10	3300	0	*	cifo, c	c	cz.m.	..
S. Farnborough	17·2	+8	W'N	2	c	61	75	52	7	5	1	-	7-8	10	1500	0	*	bcidoifoc	ifoc	cm.	omd.m.
Boscombe Down	17·1	+2	NW'N	2	c	61	65	61	7	5	2		7-8	10	1800	0	*	cjpcido	c	ccm.	cm.om
Thorney Island	17·3	+6	W'S	2	c	60	85	55	8	5	-	-	10	10	4000	0	*	c	c	ccm.	cm.ocm.
Lympne	18·0	+2	WSW	2	c	59	85	53	8	5	2	-	9	10	4500	0	§2	cbcc	c	c	cd.cm.
Manston	16·8	+8	WNW	2	zo	60	85	55	6	-	7	-	0	10	-	0	*	cm.	cczom.	ir.d.d.m.	cm.c
Shoeburyness	17·3	+10	NW'N	3	d	60	75	54	5	5	2	-	9+	10	3000	0	*	cmoprom.	cdc	cd.m.	cm.c
Felixstowe	16·6	+12	NW'N	2	ido	59	85	53	6	5	2	-	9	10	3000	1	2	cmoc	ccid.m.	cid.ir.cm.	cm.becbc
Gorleston	17·2	+10	NE'N	3	zo	56	85	51	6	5	-	-	10	10	2000	1	2	c	cmodo	cbcm.	bcy
Mildenhall	17·2	+10	NE	2	c	58	85	53	6	5	2	-	4-6	10	2500	0	*	ccifoc	cifocdod.mcm.c	cm.ir.,c	cb
Cranwell	18·1	+20	NE'E	3	c	52	85	48	7	6	2	-	4-6	10	800	1	*	cd.d.id.m.	cdodomcm.c	cm.	cm.b
Birmingham	17·1	+6	NW	1	c	61	75	53	6	8	-	-	9+	9+	2500	0	*	c	c	c	cm
Upper Heyford	16·7	+10	NW'N	2	c	60	75	53	7	5	-	-	10	10	3500	0	*	cidoc	c	cm.d.om	om.cm.c
Ross-on-Wye	17·0	+8	W'S	2	c	61	85	56	8	5	-	-	10	10	3000	0	*	c	c	cbcc	co
Hartland Point	17·7	+4	W	2	c	59	85	53	7	5	7	-	4-6	9	1000	0	3	c	c	c	c
Bristol	17·8	+8	W'N	2	c	60	85	56	7	5	-	-	10	10	2500	0	*	cdodomoc	ccmoc	cm., cm.w	cm.cmmo
Portland Bill	17·4	+2	SW	2	o	55	92	53	7	5	-	-	10	10	2500	1	2	c	co	c	c
Plymouth	17·8	+4	WSW	2	c	57	97	56	8	5	2	-	9+	10	1200	0	2	cidom.	cdodcmoc	id.m.bc	ewcm.
The Lizard	18·5	+4	WNW	3	c	56	92	54	8	8	2	-	9	10	1500	0	3	co	coidc	c	coc
Scilly (St. Mary's)	19·2	+2	W	2	c	58	85	54	8	8	7	-	7-8	9+	1200	0	2	c	c	c	c
Guernsey																					
Pembroke	18·3	+8	WNW	3	c	57	92	55	8	8	-	-	7-8	7-8	4000	0	2	c	c	bc	bcw
Holyhead (Valley)	17·8	+12	NNW	2	b	59	55	43	9	2	4	-	1	1	3000	1	2	cdoc	cbcby	b	bbcbw
Chester (Sealand)	17·4	+10	NW'N	3	c	59	75	50	8	8	6	-	7-8	9	4800	0	*	cido	cidoc	cbccm.	[illegible]
Manchester	17·7	+14	NE	3	zo	58	85	52	6	5	3	-	4-6	9	4000	0	*	dodo	cpro	cbcm.	cbcm.
Spurn Head	18·6	+16	NNE	4	c	53	85	48	7	2	7	-	4-6	9+	1500	0	3	om.	omoc	b	c
Catterick	19·5	+10	NE'E	2	zo	53	75	45	6	5	2	-	9+	10	3000	1	*	odod.mcm.	cm.	bcwbw	bccm.
Tynemouth	20·0	+10	NE	3	bc	51	75	43	8	-	4	-	0	2-3	-	1	2	oc	obc	bc	bccm
St. Abbs Head	19·8	+18	E	1	bc	51	75	43	8	5	4	-	2-3	2-3	3000	0	2	c	cbcb	bcbbcc	c
Leuchars	19·3	+14	ESE	3	bc	55	65	42	8	7	-	-	4-6	4-6	4600	0	*	c	cbcy	b	c
Renfrew (Abbots I.)	17·3	+8	SE	2	zo	63	55	47	6	5	-	-	9	9	4500	1	*	czobczo	bczoczoy	cz.ym.	cm.
Eskdalemuir	18·4	+20	ENE	2	c	54	75	45	8	5	-	-	9	9	1900	1	*	c	c	cbcb	bcc
Point of Ayre	17·6	+8	N'W	2	c	58	85	52	8	4	3	-	Tr	9	4000	0	2	cbcb	blocc	cbcb	bbccz.
Tiree	18·5	+12	N'E	2	bc	53	75	45	8	1	3	6	Tr	4-6	3500	0	4	b	bbc	c	cbc
Stornoway	20·8	+6	ENE	3	c	49	85	45	8	5	7	5	4-6	9	2800	1	1	cpro	c	c	c
Dalwhinnie	19·0	+10	NE	3	c	53	55	35	8	2	3	4	1	7-8	2500	0	*	obcy	bccy		co
Aberdeen	19·4	+14	N	3	c	54	55	40	8	8	-	-	9	9	2800	1	2	c	cy	cbc	bcc
Wick	19·9	+8	NNW	3	cjp	50	65	39	9	5	7	-	7-8	7-8	3000	0	*	cidoc	cjp	b	c
Sumburgh	18·6	+16	NW'N	4	c	47	75	39	8	5	3	-	9	9	2800	0	3	cproc	c	bdccf	bbcc
Blacksod Point	18·8	+6	N'E	3	bc	58	65	47	8	-	-	5	0	2-3	-	0	3	bc	bc	bc	bc
Malin Head	18·8	+10	N	3	c	63	75	45	8	2	3	5	2-3	7-8	2500	0	2	c	bc	c	c
Aldergrove	18·0	+8	WNW	2	bc	60	65	47	8	7	5	4	4-6	4-6	3500	0	*	c	cbc	bcc	cbcm.
Birr Castle	17·0	+6	NW	2	bc	68	55	53	8	4	-	1	4-6	4-6	2500	0	*	c	bc		bc
Valentia Obsy.	19·6	+10	NW'N	3	c	57	85	53	9	5	-	-	9	9	4000	0	3	d	bc	bc	bc
Roches Point	17·7	+4	S'W	2	bc	61	85	57	9	1	-	-	2-3	2-3	4000	1	2	d	c	b	b

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

Districts	Forecast
1 S.E. England	Light variable winds. Fair, but considerable cloud at first. Average temperature.
2 E. England; 3 E. Midlands; 4 W. Midlands	Light variable winds. Fine but cloudy locally at first. Temperature rather below average with a slight risk of local ground frost
5 S.W. England; 6 South Wales	Light variable wind. Cloudy with local slight drizzle, improving slowly. Average temperature.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	As 2–4
16 Orkneys and Shetlands	As 2-4
17 N. W. Ireland	As 20.
18 N. E. Ireland; 19 S. E. Ireland	Light South to Southeast wind. Fair. Rather warm.
20 S. W. Ireland	Light South to Southeast wind. Fair at first. Cloudy with slight local drizzle later. Average temperature.

GENERAL INFERENCE

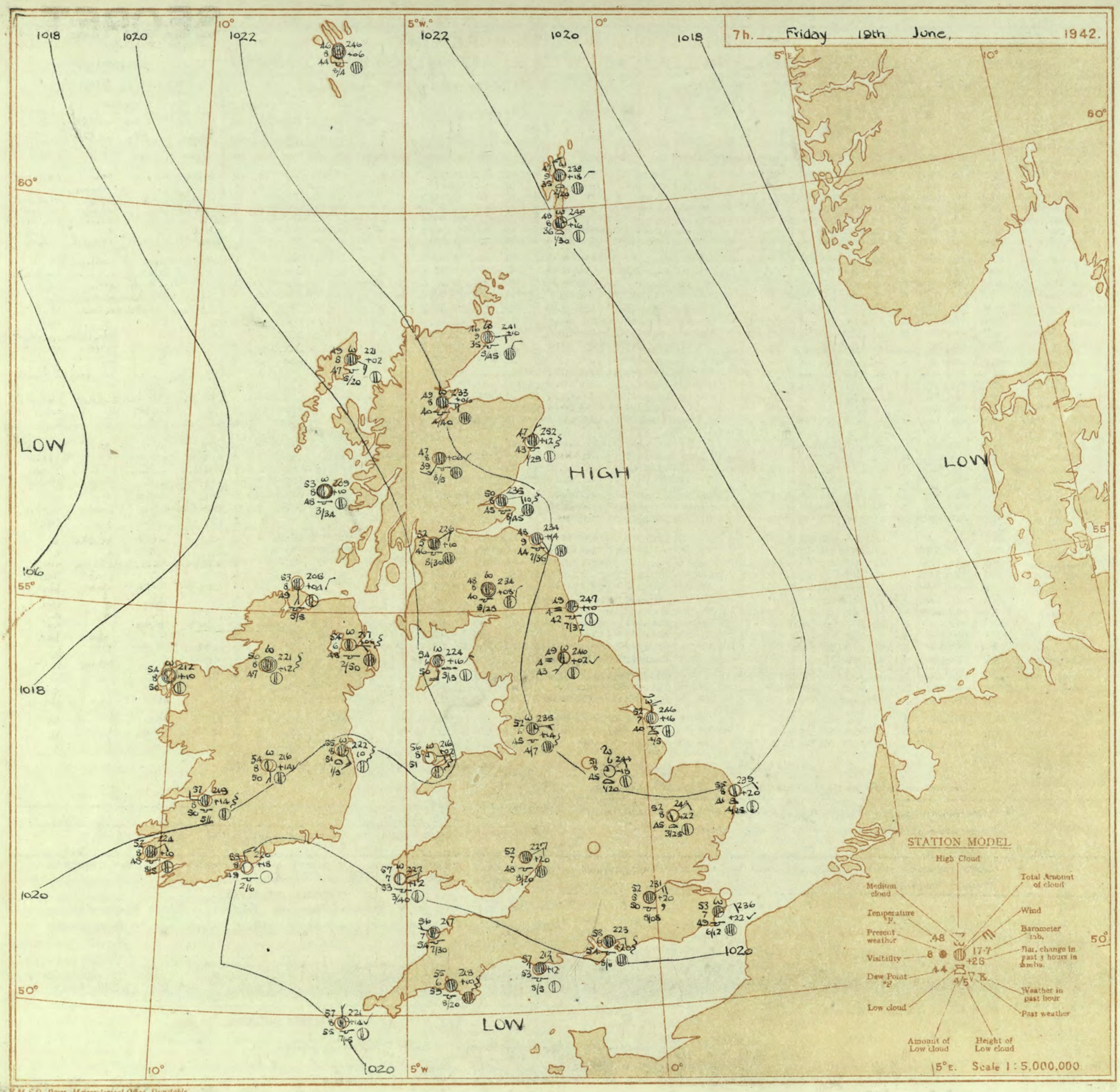
An elongated Anticyclone stretching from the Faeroes to East England is intensifying and moving slowly southeast. A weak trough over the South coast is moving south.

FURTHER OUTLOOK

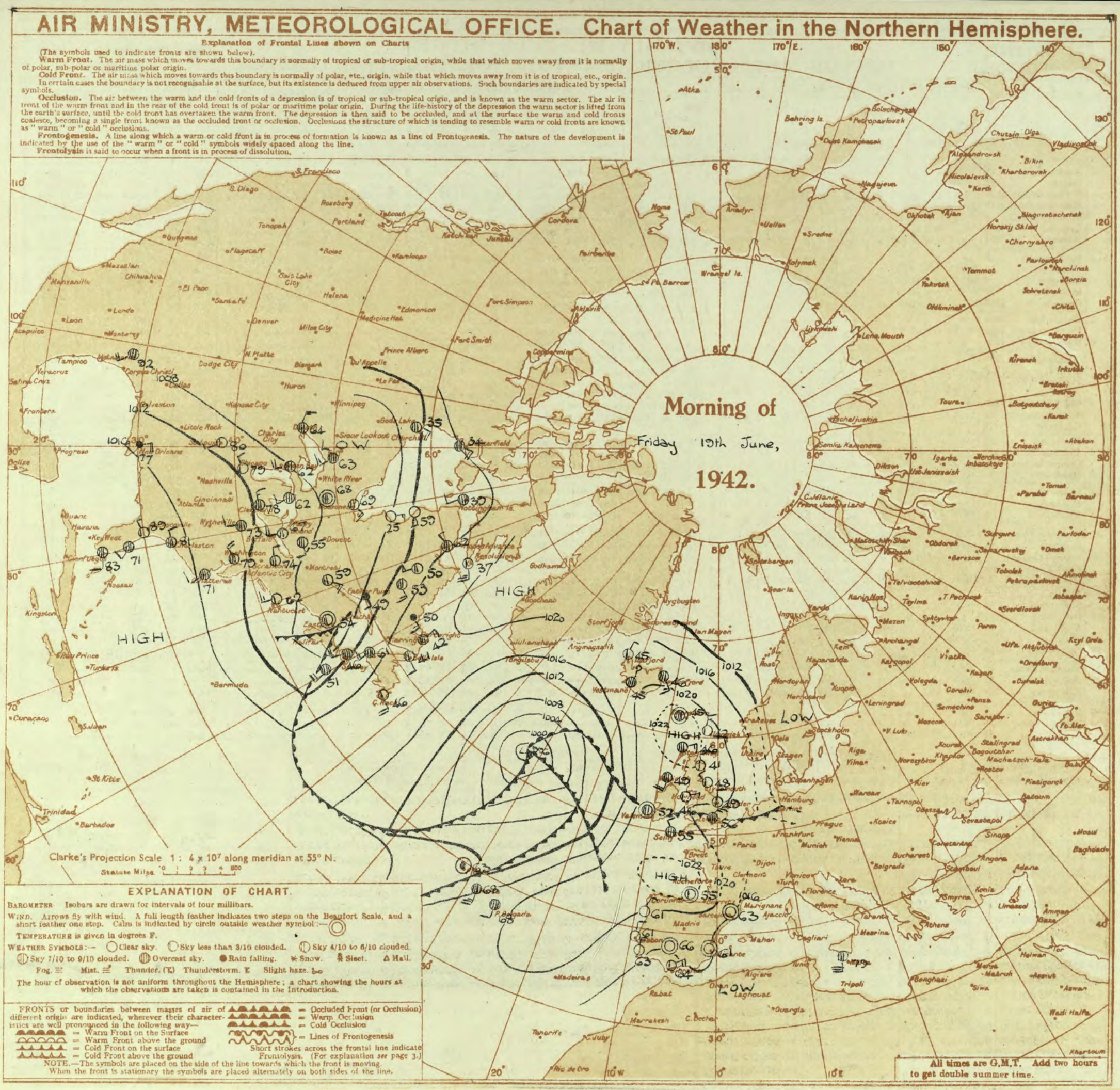
Little change. Mainly fair and warm.

Forecasts issued at 10.30. G.M.T.

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


7h. Friday 19th June, 1942.
LOW
HIGH
LOW
LOW
1018
1020
1022
1016
STATION MODEL
High Cloud
Total Amount of cloud
Medium cloud
Temperature °F.
Wind
Barometer mb.
Present weather
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
Scale 1 : 5,000,000
H.M.S.O. Press, Meteorological Office, Dunstable.

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Friday 19th June 1942

No. 29429

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)	°F Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	56	*	*	*	*	*	*	*	*	*
	Croydon ...	290	19·9	+12	NE	3	Z_0	56	92	55	5	5	-	-	10	10	1100
	S. Farnborough	226	19·8	+8	NE'E	2	Z_0	57	85	54	6	5	-	-	10	10	1900
	Boscombe Down	417	20·1	+10	-	0	Z_0	57	92	54	5	5	-	-	10	10	2300
	Thorney Island	10	19·5	+4	NNW	1	Z_0	57	97	55	6	5	-	-	10	10	3400
	Lympne ..	283	20·2	+6	ENE	2	id.	54	92	50	6	5	-	-	10	10	1500
	Manston ...	154	20·1	+10	NE	3	Z_0	54	97	53	5	5	2	-	7-8	10	700
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	20·7	+14	N'W	1	Z_0	52	92	49	6	5	-	-	10	10	1700
	Gorleston ...	5	20·5	+10	N'E	2	Z_0	51	85	48	6	8	-	-	4-6	4-6	2500
	Mildenhall ...	15	21·2	+10	NE'N	2	c	51	92	48	7	5	1	-	4-6	9	6000
	Cranwell ...	203	21·6	+10	NE'N	2	Z_0	48	92	46	6	5	-	-	10	10	1500
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·6	+14	NE'E	2	Z_0	51	92	49	5	5	-	-	10	10	600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	19·8	+4	W	2	c	55	92	53	8	5	-	-	9+	9+	1500
	Bristol ...	209	20·0	+6	-	0	Z_0	55	97	54	5	5	-	-	9+	9+	2800
	Portland Bill ...	32	19·6	+12	W	2	c	55	92	53	7	5	-	-	7-8	7-8	2500
	Plymouth ...	82	20·1	+6	NNW	1	bc	55	97	53	8	5	-	-	2-3	2-3	5700
	The Lizard ...	240	20·4	+8	NW	1	c	55	97	53	8	8	2	*	9	10	1500
	Scilly (St.Mary's)	163	20·3	0	NW'W	2	c	55	97	55	7	8	-	-	10	10	1200
	Guernsey ...	175															
6	Pembroke ...	142	20·5	+12	N	2	bc	53	97	52	7	5	-	-	4-6	4-6	3000
7	Holyhead (Valley)	32	20·1	+6	NE'E	1	b	46	92	43	8	-	4	-	0	1	-
	Chester (Sealand)	16	20·9	+8	SE	2	c	54	85	48	6	5	-	-	7-8	7-8	2500
8	Manchester ...	235	21·2	+10	E'N	1	Z_0	49	92	47	5	5	-	-	7-8	7-8	2700
10	Spurn Head ...	29	21·6	+8	N	3	b	49	85	45	7	4	-	-	1	1	1500
	Catterick ...	175	23·0	+8	-	0	b	39	97	39	7	*	*	1	0	1	-
	Tynemouth ...	108	22·5	+6	WNW	2	bc	48	85	44	8	-	4	-	0	2-3	-
11	St. Abbs Head	280	21·5	+4	S	1	c	46	85	42	7	5	-	-	7-8	7-8	2500
	Leuchars ...	36	22·0	+10	-	0	c	50	75	43	8	5	-	-	10	10	3000
12	Renfrew (Abbots I.)	19	20·7	+10	ENE	2	Z_0	52	75	45	6	5	3	-	9	9	3500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	20·6	+6	SSE	2	b	51	92	49	8	4	4	-	Tr	1	2000
13A	Tiree	22															
13B	Stornoway ...	80	22·1	0	ENE	3	c	46	92	44	8	5		-	4-6	9	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	22·5	+6	NW	1	bc	41	85	37	9	5	3	*	2-3	2-3	6000
	Wick ...	114	22·5	+6	N'E	2	c	44	75	37	9	5	-	-	9+	9+	3500
16	Sumburgh ..	19	21·7	+18	N	3	b	42	75	34	8	8	-	-	1	1	3500
17	Blacksod Point	18	20·3	0	E	2	b	48	85	44	8	5	-	-	1	1	4000
18	Malin Head ...	84	19·9	-6	S'W	1	c	49	85	45	8	8	-	-	7-8	7-8	2500
	Aldergrove ...	268	20·4	+2	-	0	c	49	92	46	7	-	3	-	0	9	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21·3	+6	-	0	c	52	85	48	8	5	-	-	9	9	2500
	Roches Point	22	20·1	+6	N	3	b	54	85	49	8	5	-	-	Tr	Tr	4000

OBSERVATIONS at 7 hr. G.M.T. 19th 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)	23·7	+22	ENE	3	Z_0	54	85	49	6	5	-	-	10	10	2500	0	*
	Croydon ...	23·1	+20	NE	3	Z_0	52	92	50	5	5	-	-	10	10	800	0	*
	S. Farnborough	23·2	+24	ENE	3	d.d.	54	97	53	5	5	-	-	10	10	400	1	*
	Boscombe Down	22·5	+22	E'N	3	m	55	92	53	4	5	-	-	10	10	600	0	*
	Thorney Island	22·3	+20	NE'E	2	Z_0	58	85	54	6	5	-	-	10	10	1100	0	*
	Lympne ..	23·6	+22	NE	2	c	63	85	49	7	5	7	-	9	9+	1200	0	§3
	Manston ...	23·3	+18	NE'E	2	c	55	85		7	5	7	-	7-8	9+	2200	0	*
2	Shoeburyness ...	23·7	+18	NE'N	2	c	54	85	50	8	5	7	-	4-6	9+	1400	0	*
	Felixstowe ...	23·5	+18	NE	2	c	54	85	50	8	7	7	-	4-6	7-8	2500	0	1
	Gorleston ...	23·9	+20	NE'E	2	bc	55	55	41	8	2	-	-	4-6	4-6	2500	0	2
	Mildenhall ...	24·4	+22	NE'E	2	bc	52	75	45	8	1	-	-	2-3	2-3	2500	0	*
	Cranwell ...	24·4	+18	NE	2	b	51	75	45	8	1	4	9	Tr	1	2000	0	*
3	Birmingham ...	23·9	+20	E	2	m	50	85	45	4	5	-	-	10	10	1500	0	*
	Upper Heyford	23·3	+16	ENE	4	c	51	85	47	7	5	2	-	9	10	1100	0	*
4	Ross-on-Wye	22·7	+20	NE'E	2	o	52	85	48	7	5	-	-	10	10	2000	0	*
5	Hartland Point	21·7	+16	WNW	1	c	56	92	54	7	5	-	-	9+	9+	3000	0	2
	Bristol ...	23·1	+22	NE	1	Z_0	54	97	53	5	5	-	-	10	10	800	0	*
	Portland Bill ...	21·2	+12	NE	2	c	57	85	53	7	5	-	-	10	10	2500	1	3
	Plymouth ...	21·8	+10	-	0	c	55	92	53	6	5	-	-	10	10	2000	0	2
	The Lizard ...	21·7	+14	-	0	c	56	97	56	8	7	3	-	7-8	7-8	3000	0	3
	Scilly (St.Mary's)	22·1	+14	NNW	1	c	57	92	55	8	5	-	-	9+	9+	1500	0	2
	Guernsey ...																	
6	Pembroke ...	22·2	+12	ENE	2	bc	57	85	53	7	5	3	-	2-3	4-6	4000	0	2
7	Holyhead (Valley)	21·6	+2	ENE	1	b	56	85	53	8	-	3	-	0	Tr	-	0	1
	Chester (Sealand)	23·3	+16	SE'S	2	c	54	75	46	7	5	-	-	9	9	5500	0	*
8	Manchester ...	23·5	+14	E'N	1	c	52	75	45	6	5	3	-	4-6	9+	5700	0	*
10	Spurn Head ...	24·6	+16	NNE	3	c	52	65	40	7	7	3	1	4-6	7-8	2500	0	3
	Catterick ...	24·6	+2	SSW	1	m	49	85	43	4	-	3	-	0	4-6	-	1	*
	Tynemouth ...	24·7	+10	SSW	2	m	49	75	42	4	5	-	-	9+	9+	3200	1	2
11	St. Abbs Head	23·4	+14	SE	2	c	48	85	44	9	5	-	-	9+	9+	3200	0	2
	Leuchars ...	23·5	+10	ENE	2	c	50	85	45	8	5	-	-	10	10	4500	0	*
12	Renfrew (Abbots I.)	22·6	+10	NE	2	Z_0	52	75	45	5	5	-	-	10	10	3000	0	*
	Eskdalemuir ...	23·4	+8	-	0	c	48	75	40	8	5	7	-	7-8	9	2800	1	*
	Point of Ayre...	22·4	+16	SSE	4	Z_0	54	85	50	6	6	3	-	7-8	9+	1500	0	4
13A	Tiree	20·9	+10	-	0	bc	53	85	48	8	5	3	-	2-3	4-6	3400	0	2
13B	Stornoway ...	22·1	+2	ESE	3	c	49	92	47	8	5	5	-	7-8	10	2000	1	3
15	Dalwhinnie ...	24·9	+6	SSW	3	o	47	75	39	8	5	-	-	10	10	2500	0	*
	Aberdeen † ...	25·2	+12	NE'N	1	c	47	85	43	7	5	7	-	Tr	10	2900	1	2
	Wick ...	24·1	+10	ENE	1	c	46	65	35	9	5	7	-	7-8	9+	4500	0	*
16	Sumburgh ..	24·0	+16	NE	1	c	48	65	36	8	1	3	1	Tr	9	3000	0	1
17	Blacksod Point	21·2	+10	-	0	bc	54	85	49	8	-	3	-	0	4-6	-	0	0
18	Malin Head ...	20·5	+4	S	*	bc	53	85	48	8	5	-	-	7-8	7-8	2500	0	1
	Aldergrove ...	21·7	+6	E'S	1	bc	54	75	48	6	5	3	9	1	4-6	5000	0	*
19	Birr Castle ...	21·6	+14	S	1	bc	54	85	49	8	-	3	-	0	2-3	*	0	*
20	Valentia Obsy.	22·4	+10	NEN	2	c	52	85	48	8	5	-	-	10	10	2500	0	1
	Roches Point	22·0	+18	N'W	3	bc	53	85	48	8	5	-	-	1	2-3	4000	0	2

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 19th Hrs. (38)
1	London (Kew)	63	53	53	Tr	-	0·5
	Croydon ...	62	52	53	Tr	0·1	0·3
	S. Farnborough	63	54	53	Tr	Tr	1·2
	Boscombe Down	61	53	52	Tr	-	1·6
	Thorney Island	63	56	55	-	-	*
	Lympne ..	63	52		-	Tr	1·1
	Manston ...	64	52	51	-	Tr	0·6
2	Shoeburyness ...	63	52	52	Tr	Tr	1·4
	Felixstowe ...	64	42	41	Tr	Tr	0·2
	Gorleston ...	59	50	45	Tr	-	0·0
	Mildenhall ...	63	46	41	Tr	Tr	0·2
	Cranwell ...	59	45	41	Tr	-	0·0
3	Birmingham ...	61	49	47	-	-	0·0
	Upper Heyford	62	50	50	Tr	-	*
4	Ross-on-Wye	62	52	45	-	-	0·0
5	Hartland Point	61	55	54	-	-	0·3
	Bristol ...	62	53	49	Tr	-	0·0
	Portland Bill ...	57	53	*	-	-	*
	Plymouth ...	58	51	41	Tr	Tr	0·0
	The Lizard ...	58	53	*	Tr	-	0·0
	Scilly (St.Mary's)	62	54	*	-	-	0·3
	Guernsey ...						
6	Pembroke ...	58	46	*	-	-	0·2
7	Holyhead (Valley)	63	42	35	Tr	-	*
	Chester (Sealand)	62	51	45	0·2	-	3·5
8	Manchester ...	61	46	41	0·2	-	*
10	Spurn Head ...	56	46	*	-	-	0·0
	Catterick ...	57	37	32	0·4	-	0·0
	Tynemouth ...	55	44	42	-	-	*
11	St. Abbs Head	57	45	*	-	-	
	Leuchars ...	57	49	46	-	-	4·1
12	Renfrew (Abbots I.)	65	50	43	-	-	4·9
	Eskdalemuir ...	58	39	34	-	-	2·6
	Point of Ayre...	61	50	*	-	-	9·4
13A	Tiree	55	46	*	-	-	11·4
13B	Stornoway ...	52	45	*	-	-	0·2
15	Dalwhinnie ...	56	43	38	-	-	7·2
	Aberdeen † ...	55	41	33	-	-	2·1
	Wick ...	52	43	40	-	-	*
16	Sumburgh ..	50	40	35	Tr	-	3·9
17	Blacksod Point	60		*	-	-	*
18	Malin Head ...	54	45		-	-	6·5
	Aldergrove ...	61	48	39	*	-	6·9
19	Birr Castle ...	68	45	40	Tr	-	7·0
20	Valentia Obsy.	60	47	41	Tr	Tr	
	Roches Point	63	*	*	0·2	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 18th June			18h. G.M.T.			01h. G.M.T. 19th 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			73	02857	31327	5-	03858	31228	73	02964	07225
115 02	10844	32387	52	02844	28227				55	02844	45527
203						55	02854	04427			
206 52	02965	28127	73	02966	10327	53	01864	06125	57	02864	06328
210 8-	02967	30227	7-	02967	32227	5-	02967	00027	5-	02868	07228
220 73	01953	02315	57	01963	32216						
230 5-	21952	30212	10	02971	26105	53	01863	00014	57	02855	16127
245 7-	02965	32315	7-	02967	16327	53	02865	28127			
260 5-	02954	03528	10	00861	07311	5-	02868	02218	--	02868	07228
278 80	01853	30313	16	00862	31213	53	02874	10226	5-	05668	14328
279 80	01855	04325	13	01852	06414	03	01790	04314	5-	05687	06217
285 5-	03638	04428							53	01862	02314
288 52	05655	01428	83	02764	03226	00	05690	19200	03	05590	10105
575 50	02875	32125	10	01961	04224	08	00890	00013	07	01890	00015
301 5-	02757	29457	7-	05667	30227	50	05554	08224	57	05565	09417
321 5-	02748	01358	5-	02768	04358	54	01863	06124	84	01761	04114
299 5-	41438	02448	50	01754	32314	50	02753	32213	8-	02766	00026
292 52	51845	32258	57	02854	03228	04	00790	00002	03	05690	00015
310 --	02628	24228							--	02636	04226
614 52	05655	26268	5-	05538	04228	53	05665	04128	53	05662	06225

13h. G.M.T. 18th June			18h. G.M.T.			01h. G.M.T. 19th 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
333 5-	02844	30357	80	01863	01213	04	01890	32101	54	02855	00017
334 --	02646	26217							--	03547	00028
340 8-	25858	25258	5-	02767	28227	5-	05644	12328	5-	02767	12427
136 57	51624	27358	5-	05638	01368	03	01790	06124	50	01854	02214
336 57	02755	24328	57	02754	24227				--	46309	04349
350 87	02755	25357	02	52568	30258	52	21635	04358	73	02864	06425
368 57	02834	24328	57	02744	24328	5-	05667	24127	02	08438	04328
379 57	21746	20758	5-	02748	32228	--	48309	04349	5-	05628	06348
390 52	02755	25358	52	05655	24268	62	52438	02158	5-	02767	08227
382 52	02744	23258	57	02755	25128	5-	03528	04228	5-	05638	05228
438			52	02736	22428	52	48344	04248	5-	03648	04428
430 5-	02755	20328	57	02767	22228	5-	02668	00028	5-	05548	06328
409 52	52617	23358	52	02735	26258	5-	08466	00026	5-	02866	02116

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 19th June, 1942
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	$c_p z_0 y$	c	$cm_0 cz_0$	
Croydon ...	$cr_0 c$	c	czm_0	
Greenwich ...	cr_0	$cr_0 c$	$cd_0 crr_0$	
Camden Square	c	c	*	Kew 24 hours ended 7h. Max. Time 0·1 19th 9–7h
Kensington ...	cbc	bcc	*	Min. Time 0·1 19th 7–16h
Hampstead ...	o	bcp	od	

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	53	53	Tr	-	0·5	*	*
Croydon ...	62	52	53	Tr	0·1	0·3	*	*
Greenwich ...	62	52	52	Tr	1·8	0·6	69	80
Westminster ...	63	53	51	Tr			97	95
Regents Park ...	64	52	51	-	Tr		75	71
Camden Square	64	52	51	-	0·5	*	*	85
Kensington ...	68	53	51	-	Tr		74	85
Hampstead ...	62	49	47	0·2	0·4		*	87

SECRET

Page 1 BRITISH SECTION

Saturday 20th June 1942

No. 29430

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

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)	24.4	+6	SEE	2	zo	62	65	48	6	5	-	-	9+	9+	
	Croydon	24.5	+8	E	3	o	59	75	49	7	5	-	-	10	10	2500
	S. Farnborough	24.4	+6	E	2	zo	60	75	51	6	5	-	-	10	10	1800
	Boscombe Down	23.8	+4	ES	2	zo	59	75	52	6	5	-	-	10	10	900
	Thorney Island	24.1	+8	ES	2	o	63	75	56	7	5	-	-	10	10	1500
	Lympne	24.9	+6	NE	2	c	59	75	49	9	5	-	-	9	9	3500
	Manston	25.2	+6	ENE	2	bc	58	75	48	8	1	-	-	2-3	2-3	2500
2	Shoeburyness	25.4	+6	ESE	3	bc	59	75	49	8	1	-	-	2-3	2-3	2500
	Felixstowe	25.5	+10	E	2	c	57	65	45	8	5	-	-	9+	9+	2500
	Gorleston	25.8	+8	NEE	3	bc	55	55	41	8	1	4	-	4-6	4-6	3000
	Mildenhall	24.7	+2	NWN	2	c	63	55	45	8	7	1	-	7-8	7-8	3000
	Cranwell	24.5	0	E	2	c	60	65	47	8	1	-	-	7-8	7-8	3000
3	Birmingham	23.9	0	S	2	c	62	65	51	8	5	-	-	9+	9+	4000
	Upper Heyford	24.0	+6	SSE	2	c	63	65	49	7	5	-	-	9	9	3100
4	Ross-on-Wye	23.6	0	E	2	o	60	75	54	6	5	-	-	10	10	2000
5	Hartland Point	23.2	+6	N	1	bc	59	85	53	7	5	-	-	4-6	4-6	2500
	Bristol	24.3	+2	E	1	zo	60	85	56	6	5	-	-	10	10	1000
	Portland Bill	23.8	+12	E	2	o	57	85	53	7	5	-	-	10	10	2500
	Plymouth	23.5	+10	WS	1	zo	58	92	56	6	5	-	-	4-6	10	1500
	The Lizard	22.6	+2	-	0	c	60	85	56	7	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	23.8	+6	N	2	bc	62	85	57	8	8	3	-	2-3	4-6	1500
	Guernsey															
6	Pembroke	23.5	+4	SE	3	bc	61	85	58	7	8	6	-	4-6	4-6	4000
7	Holyhead (Valley)	23.1	+4	SW	3	c	64	65	52	7	7	-	-	4-6	7-8	4000
	Chester (Sealand)	22.8	-10	SE	3	zo	67	55	48	6	1	3	-	1	2-3	3500
8	Manchester	23.6	0	SW	2	c	65	55	46	6	1	3	-	2-3	7-8	2500
10	Spurn Head	25.9	+6	ESE	2	bc	54	65	41	8	1	3	2	2-3	4-6	4000
	Catterick	24.4	0	SE	2	bc	63	55	47	8	1	3	-	Tr	2-3	3000
	Tynemouth	25.6	0	SE	4	bc	54	75	46	8	-	3	-	0	2-3	-
11	St. Abbs Head	22.7	+6	SE	3	bc	56	75	48	8	1	4	-	2-3	4-6	3500
	Leuchars	23.4	-6	E	3	c	58	65	46	8	5	-	-	9+	9+	4000
12	Renfrew (Abbots I.)	22.6	-2	NNW	1	zo	60	65	49	5	5	7	-	9	10	5000
	Eskdalemuir	22.3	-4	SWW	3	c	62	75	48	7	8	3	-	4-6	7-8	2800
	Point of Ayre	22.9	0	SE	4	bc	62	75	53	8	1	3	-	Tr	4-6	2500
13A	Tiree	21.8	0	SSW	1	c	55	75	47	8	5	-	-	9+	9+	2500
13B	Stornoway	21.4	-8	S	3	e/pr	52	92	50	8	5	1	-	7-8	10	2500
15	Dalwhinnie	23.0	+2	SSW	2	c	53	75	45	7	5	2	-	7-8	10	2500
	Aberdeen	24.5	-2	E	3	c	51	75	43	7	5	-	-	9+	9+	2900
	Wick	24.1	-4	SEE	2	c	50	65	37	9	5	7	-	4-6	9+	4000
16	Sumburgh	24.8	+6	NNW	3	c	50	85	45	9	7	7	-	4-6	9+	2500
17	Blacksod Point		+2	SW	3	c	59	85	55	8	5	3	-	4-6	9+	4000
18	Malin Head															
	Aldergrove	21.8	-2	SWW	2	c	68	55	51	8	1	8	-	2-3	9	4000
19	Birr Castle	21.9	+2	S	2	bc	69	45	49	7	-	3	-	0	2-3	-
20	Valentia Obsy.	23.8	+8	W	2	c	59	75	52	9	5	3	-	7-8	7-8	1500
	Roches Point	23.0	+6	S	2	b	60	85	58		1	-	-	1	1	4000

OBSERVATIONS at 18h. G.M.T. 19th 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)	24.6	0	ES	2	zo	62	65	49	6	8	-	-	7-8	9+	2500	0	*
	Croydon	24.5	+2	SE	2	c	61	75	51	7	5	-	-	9	9	3200	0	*
	S. Farnborough	24.4	-2	SES	1	zo	64	65	51	6	7	3	-	7-8	9+	3500	0	*
	Boscombe Down	24.8	+6	S	1	jd.	59	85	55	6	5	2	-	9+	10	1000	1	*
	Thorney Island	24.3	-2	SSE	2	bc	62	65	52	8	5	3	-	Tr	4-6	2500	0	*
	Lympne	25.1	0	E	2	b	57	65	46	9	-	-	-	0	0	-	0	§3
	Manston	26.0	+6	NE	1	b	55	75	47	9	-	-	-	0	0	-	0	*
2	Shoeburyness	25.7	+4	E	3	b	56	75	47	9	-	-	-	0	0	-	0	*
	Felixstowe	26.2	+4	E	2	b	56	65	43	8	5	-	-	1	1	4000	0	1
	Gorleston	26.4	+2	E	2	bc	54	65	42	8	1	-	-	2-3	2-3	3000	0	3
	Mildenhall	24.8	+2	SE	2	c	62	65	49	8	4	-	-	7-8	7-8	2500	0	*
	Cranwell	24.6	-2	ESE	3	b	60	65	49	8	-	1	-	0	Tr	-	0	*
3	Birmingham	23.7	-2	SE	2	c	64	65	53	8	5	-	-	7-8	7-8	2500	0	*
	Upper Heyford	24.1	+2	SSE	2	zo	63	65	51	6	5	-	-	7-8	7-8	2500	0	*
4	Ross-on-Wye	23.3	0	S	2	zo	65	75	55	6	1	-	-	1	1	3000	0	*
5	Hartland Point	23.9	+4	WNW	2	bc	61	75	53	7	4	3	-	2-3	4-6	2000	0	2
	Bristol	24.3	-2	S	1	zo	62	75	56	6	5	3	-	4-6	4-6	2000	0	*
	Portland Bill	25.1	+4	E	3	o	56	85	52	7	5	-	-	10	10	2500	1	2
	Plymouth	24.1	+4	SW	2	bc	61	85	56	7	5	-	-	2-3	2-3	3000	0	2
	The Lizard	23.9	+2	-	0	bc	64	75	55	7	8	6	-	4-6	4-6	3000	0	2
	Scilly (St. Mary's)	24.6	+6	N	2	bc	60	85	55	8	8	4	-	2-3	2-3	1200	0.	2
	Guernsey																	
6	Pembroke	24.1	0	WN	3	bc	60	85	56	8	2	-	-	2-3	2-3	3500	0	2
7	Holyhead (Valley)	22.7	-6	SSW	2	b	61	65	50	9	2	4	1	Tr	1	3500	0	2
	Chester (Sealand)	23.0	+2	NW	2	c	65	65	50	7	7	-	-	7-8	7-8	5500	0	*
8	Manchester	23.1	-2	SE	2	bc	66	55	52	6	2	-	-	2-3	2-3	3000	0	*
10	Spurn Head	26.0	0	ESE	3	bc	53	65	42	8	1	4	-	2-3	2-3	4000	0	3
	Catterick	23.7	-4	SSE	3	c	61	65	49	8	5	3	-	2-3	9	3500	0	*
	Tynemouth	24.3	-6	SE	5	e/pr	52	85	46	8	5	3	-	4-6	7-8	2500	1	3
11	St. Abbs Head	22.1	-6	SE	4	c	51	92	48	8	5	-	-	9	9	3000	0	5
	Leuchars	22.8	-2	E	3	c	55	75	48	8	5	7	-	4-6	10	3000	0	*
12	Renfrew (Abbots I.)	21.8	-6	WS	2	zo	64	65	51	6	5	7	1	4-6	9+	5000	0	*
	Eskdalemuir	22.1	-4	SW	4	c	60	65	48	7	8	3	-	4-6	7-8	2800	1	*
	Point of Ayre	23.2	0	ESE	2	bc	59	85	52	8	1	3	-	1	4-6	3000	0	1
13A	Tiree	22.2	+2	-	0	c	54	85	49	8	5	-	-	9+	9+	2500	0	2
13B	Stornoway	21.0	0	W	2	c	55	85	48	8	5	7	-	7-8	9+	2500	1	1
15	Dalwhinnie	22.1	-2	SSW	3	o	56	75	47	7	5	2	-	7-8	10	2800	0	*
	Aberdeen	24.1	0	S	2	c	50	85	45	7	5	7	-	4-6	10	1500	1	3
	Wick	23.9	-2	ESE	3	r.r.	47	85	43	7	6	2	-	7-8	10	2500	1	*
16	Sumburgh	24.6	-2	N	1	c	49	75	40	9	5	7	-	9	9+	3000	0	1
17	Blacksod Point	22.5	+2	SWW	3	o	59	75	52	8	5	-	-	10	10	2500	0	2
18	Malin Head	22.1	+4	NW	1	c	56	75	49	8	5	7	-	4-6	9	2500	0	1
	Aldergrove	21.4	-4	SW	3	c	66	65	55	8	7	9	9	4-6	9	4000	0	*
19	Birr Castle	22.0	+2	NW	1	c	68	65	57	8	5	-	-	7-8	7-8	2500	0	*
20	Valentia Obsy.	23.9	0	SWW	2	c	60	75	53	9	5	-	-	9+	9+	7200	0	2
	Roches Point	23.4	0	S	3	bc	60	85	56	9	1	3	-	1	2-3	4000	0	2

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 19th (39)	Weather 13h.—18h. 19th (40)	Weather 18h. 19th to 1h. 20th (41)	Weather 1h.—7h. 20th (42)
1	London (Kew)	cm.cz.	cz.ycz.	cbob	beb,cm.
	Croydon	om.id.	c	com.w	bcm.wc
	S. Farnborough	om.d.z.c	cz.	cz.bcm.	bcm,cm.
	Boscombe Down	omom.	om.cm.	bcm.bF	cmfom.bc
	Thorney Island	cm.id.c	cbc	bmofgmw	bfgm.wc
	Lympne	c	cb	bvb	bwbv
	Manston	cb	bvbcb	bvbw	b
2	Shoeburyness	cbcb	bbcbv	bvb	bw
	Felixstowe	cbcc	cbcb	b	b
	Gorleston	cybcy	bcy	bcb	bbc
	Mildenhall	bcy	bcycybc	b	bbwb
	Cranwell	bcc	cbcb	bbc	bcm.c,bm.
3	Birmingham	cb,c	cbcc	c	cbcm
	Upper Heyford	c	cbcz.	cz.bz.m	bm,cm f
4	Ross-on-Wye	c	cbcz.	cz	om.
5	Hartland Point	bc	bc	bcbcb	bcc
	Bristol	c	cbcz.	bcz.bm.	c,bm.w
	Portland Bill	c	o	bc	c
	Plymouth	cm.	bcm.bc	bcm.cm	coF
	The Lizard	c	cbc	bcc	FFe
	Scilly (St. Mary's)	cbc	bc	bcew	cw
	Guernsey				
6	Pembroke	bcz	bc	bcm.w	bc
7	Holyhead (Valley)	bwbc	b	bvbcw	cbcc
	Chester (Sealand)	cz.y	bcz.ycy	bcbm.	bm.wbc
8	Manchester	cbcz.y	bcz.	bccz.	bcm.w
10	Spurn Head	bc	bc	c	ocm.
	Catterick	bcmbcy	bcybycy	cycm.	bcm.c
	Tynemouth	bc	bcp.c	c	cm.
11	St. Abbs Head	cbc	c	c	cbcm.
	Leuchars	c	c	cr.r.c	ccm.
12	Renfrew (Abbots I.)	cm.	cm.r.z.y	cm.	cm.
	Eskdalemuir	cbc	bc	bcc	c
	Point of Ayre	cbc	bccbc	bc	b
13A	Tiree	cid.	c	od	odD
13B	Stornoway	cpr	c	epr.	epr.
15	Dalwhinnie	oco	o pr.		o
	Aberdeen	c	cir.		cr.r.
	Wick	c	cid.cr.r.	r.r.cr.r.c	cm.Ffcm.
16	Sumburgh	c	cbcc	c	cir.c
17	Blacksod Point	bc	c	c	r
18	Malin Head		c	c	c
	Aldergrove	bccy	cyc	bccm.c	vbc
19	Birr Castle	bc	c		c
20	Valentia Obsy.	bc	bc	c	d
	Roches Point	b	b	bc	c

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light variable wind; fine and warm; local mist in early morning.
5 S.W. England; 6 South Wales	Light variable wind; fair or fine; rather warm; local coast fog.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Light Southwest wind; fair or fine; warm; local mist in early morning.
13A W. Scotland; 13B N.W. Scotland	Light Southwest wind; cloudy; slight drizzle or rain; average temperature.
14 Mid Scotland; 15 N.E. Scotland	Light Southwest wind; fair; rather warm to average temperature.
16 Orkneys and Shetlands; 17 N. W. Ireland	As 13.
18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Light Southwest wind; fair; rather warm.

GENERAL INFERENCE

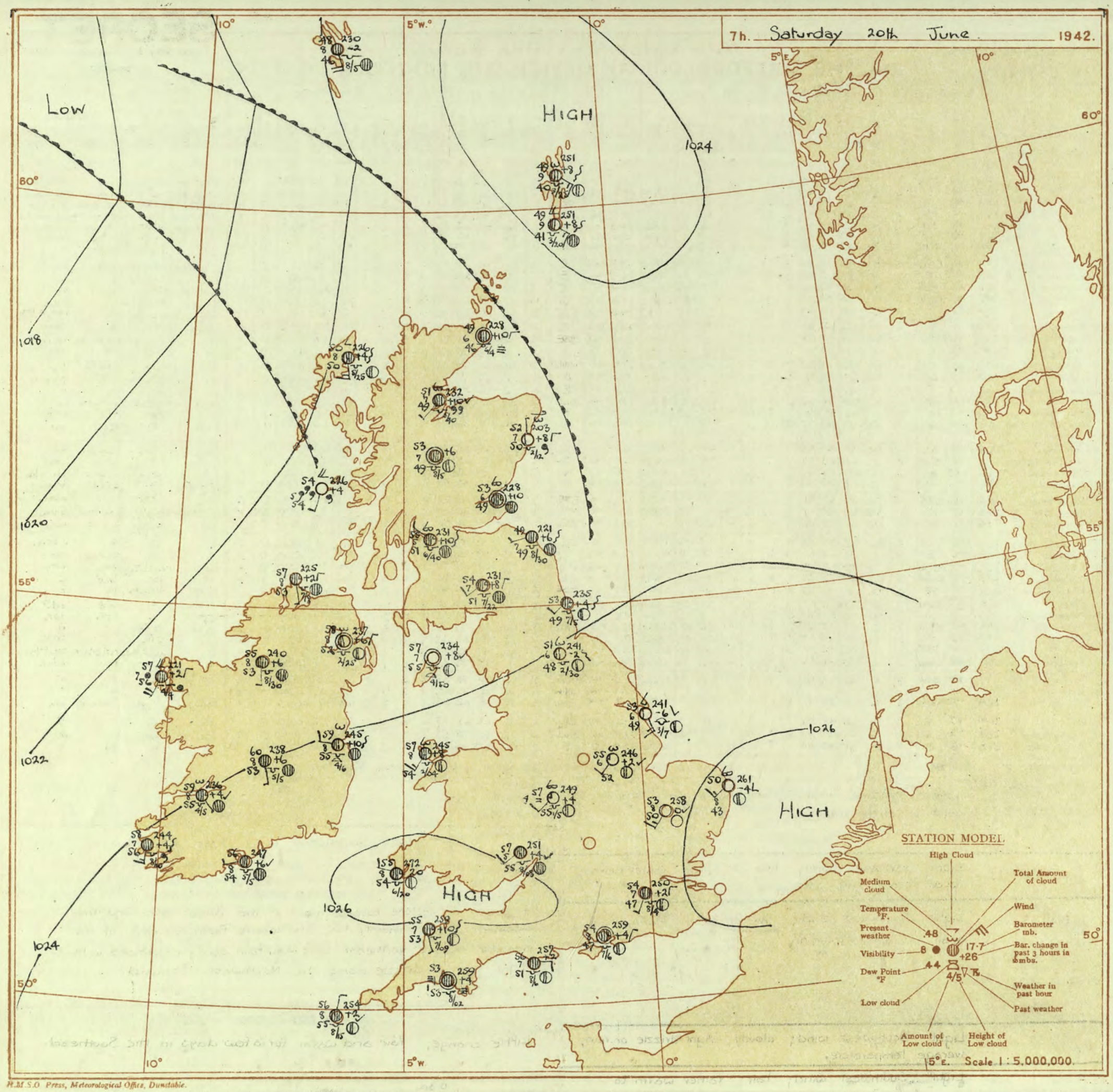
A large anticyclone covers most of the British Isles, and the weather will be mainly fine and warm. Feeble troughs of low pressure moving northeast will maintain cloudy conditions with light rain or drizzle along the Northwest seaboard.

FURTHER OUTLOOK

Little change; fair and warm for a few days in the Southeast.

Forecasts issued at 10.30

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



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

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

Explanation of Frontal Lines shown on Charts

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

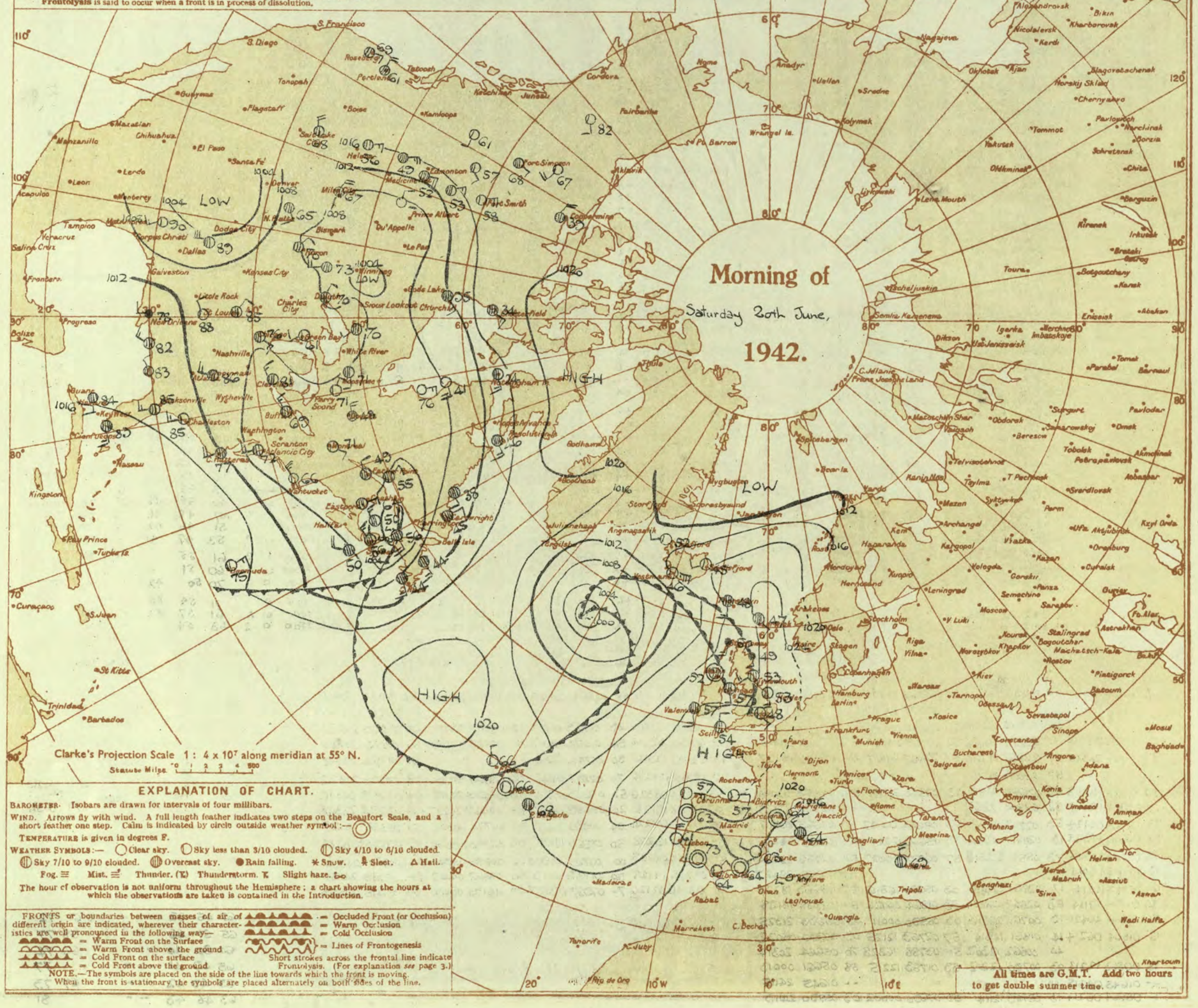
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Saturday 20th June 1942

No. 29430

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	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon	290	25·8	0	SE	1	bc	48	97	46	6	5	-	-	2-3	2-3	3000
	S. Farnborough	226	25·6	+6	S	2	z.	54	85	51	6	5	-	-	9	9	2000
	Boscombe Down	417	25·9	+6	S	2	m/F	50	97	50	4	5	-	-	10	10	1200
	Thorney Island	10	25·5	+4	-	0	fg	48	97	48	4	-	-	-	0	0	-
	Lympne	283	26·0	+2	-	0	b	46	92	44	8	-	-	-	0	0	-
	Manston	154	26·1	+2	E	1	b	47	92	45	8	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	25·9	-2	ESE	2	b	53	75	46	8	5	-	-	Tr	Tr	4000
	Gorleston	5	26·4	0	SW	1	bc	50	75	42	7	-	4	-	0	2-3	-
	Mildenhall	15	25·8	+2	SE	2	b	45	92	42	7	-	-	-	0	0	-
	Cranwell	203	25·0	-2	SE'S	3	z.	47	97	45	6	5	-	-	7-8	7-8	2500
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	25·4	+10	ESE	1	m	52	92	48	4	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	24·8	+4	-	0	b	55	92	52	8	4	-	-	Tr	Tr	1500
	Bristol	209	25·6	+4	SW	1	z.	54	97	54	6	5	-	-	7-8	7-8	3700
	Portland Bill	32	25·3	+2	E	1	c	53	85	49	7	5	-	-	9	9	4000
	Plymouth	82	25·4	0	SE'E	1	f+	54	97	54	3	5	-	-	10	10	300
	The Lizard	240	25·1	+2	-	0	c	56	92	54	8	8	-	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	25·3	+2	N	2	c	54	97	54	7	5	-	-	7-8	7-8	1500
	Guernsey	175															
6	Pembroke	142	25·4	+6	WSW	2	z.	53	97	52	6	4	-	-	1	1	4000
7	Holyhead (Valley)	32	23·5	+2	S'E	3	c	57	85	53	8	5	4	-	2-3	9	3700
	Chester (Sealand)	16	23·8	+2	SW	1	b	51	97	49	5	5	-	1	Tr	1	4000
8	Manchester	235	23·4	-2	S'E	1	z.	55	85	51	6	5	-	-	2-3	2-3	4000
10	Spurn Head	29	25·4	-2	S'E	4	bc	53	85	48	7	2	-	-	4-6	4-6	4000
	Catterick	175	24·3	-4	SSE	3	z.	48	97	46	6	5	3	-	2-3	4-6	4000
	Tynemouth	108	24·0	-4	SW	3	e	53	85	47	6	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	21·4	-6	W	3	c	55	85	49	7	5	-	-	9+	9+	2500
	Leuchars	36	22·6	-2	-	0	c	50	92	48	7	5	7	-	7-8	10	3000
12	Renfrew (Abbots I.)	19	21·8	-2	W	1	z.	56	85	51	6	5	7	-	7-8	9+	3500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	22·7	-4	NNW	6	bc	53	97	53	8	*	3	*	0	2-3	*
13A	Tiree	22	22·2	0	-	0	c/d	52	92	50	7	5	-	-	10	10	2100
13B	Stornoway	80	21·8	0	S	3	pr	50	97	50	7	5	7	-	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	22·7	-4	SSE	2	id.	49	92	47	7	5	-	-	10	10	800
	Wick	114	22·0	-6	SE	1	z.	49	97	48	6	5	-	-	10	10	700
16	Sumburgh	19	24·3	-4	SE	1	c	47	75	40	9	5	7	-	1	10	2500
17	Blacksod Point	18	22·3	-6	S'W	4	c	56	92	54	8	5	-	-	9+	9+	1500
18	Malin Head	84	22·4	-2	-	0	c	52	92	50	8	5	2	-	7-8	9+	2500
	Aldergrove	268	22·8	+2	NNW	1	c	53	85	49	7	5	7	*	7-8	9+	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·2	-2	SSE	3	c	57	92	55	8	5	7	-	1	10	1500
	Roches Point	22	24·2	0	SW	2	bc	54	92	52	8	5	-	-	4-6	4-6	2500

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)	25·7	+4	WSW	2	z.	55	75	48	6	5	-	-	10	10	2500	0	*
Croydon	25·9	+2	SSW	1	c	54	75	47	7	5	-	-	10	10	1400	0	*
S. Farnborough	25·9	+2	WSW	1	c	55	85	51	6	5	-	-	10	10	1000	0	*
Boscombe Down	26·1	+2	ENE	2	c	52	92	51	7	5	2	-	7-8	9	3500	0	*
Thorney Island	25·9	+4	-	0	c	54	85	50	8	5	-	-	9+	9+	4000	0	*
Lympne	26·4	+2	-	0	b	54	75	48	9	-	-	-	0	0	-	0	§1
Manston	26·2	-2	-	0	b	56	75	49	9	5	-	-	Tr	Tr	2500	0	*
Shoeburyness	26·1	+2	SSE	2	b	56	75	49	8	-	3	-	0	1	-	0	*
Felixstowe	26·4	+6	SSE	1	b	55	75	48	8	-	-	-	0	0	-	0	
Gorleston	26·1	-4	SW	3	bc	50	75	43	8	-	7	-	0	2-3	-	0	2
Mildenhall	25·8	0	SSW	3	b	53	92	50	8	-	-	-	0	0	-	0	*
Cranwell	24·6	+2	SW'S	2	z.	55	92	52	6	-	3	-	0	Tr	-	0	*
Birmingham	24·9	+4	SW	2	r.	57	92	55	4	5	7	-	Tr	1	2500	0	*
Upper Heyford	25·2	+2	SW	2	f-	53	97	52	3	-	-	-	10	10	4150	0	*
Ross-on-Wye	25·1	+4	SW'W	1	z.	57	92	55	5	5	-	-	10	10	800	0	*
Hartland Point	25·9	+10	SSE	1	c	55	92	53	7	5	-	-	9+	9+	900	0	1
Bristol	26·1	+8	-	0	z.	58	85	55	6	5	-	-	Tr	Tr	1500	0	*
Portland Bill	25·7	+2	E	2	c	56	92	54	7	5	-	-	10	10	4000	1	2
Plymouth	25·9	+4	-	0	F	53	97	53	1	5	-	-	10	10	200	0	2
The Lizard	25·3	+2	-	0	f	53	97	52	2	5	-	-	10	10	400	1	2
Scilly (St. Mary's)	25·4	+2	N'E	2	c	56	97	55	8	5	-	-	10	10	1500	0	2
Guernsey																	
Pembroke	27·2	+20	W	2	c	55	97	54	8	5	-	-	9	9	2000	0	1
Holyhead (Valley)	24·5	+8	S'W	3	c	57	92	54	8	5	5	9	1	9	400	0	2
Chester (Sealand)	24·0	+2	S	1	z.	60	75	43	6	5	3	9	1	2-3	4500	0	*
Manchester	23·9	0	S'E	2	z.	57	85	52	6	5	3	-	7-8	7-8	4000	0	*
Spurn Head	24·1	-6	S	3	bc	53	85	49	6	4	4	-	2-3	2-3	5700	0	3
Catterick	24·1	-2	SSE	2	z.	51	92	48	6	5	5	-	1	4-6	3000	0	*
Tynemouth	23·5	+4	SW	2	z.	53	85	49	5	5	-	-	9+	9+	2500	1	3
St. Abbs Head	22·1	+6	WSW	1	c	49	97	49	7	5	-	-	10	10	3000	0	3
Leuchars	22·8	+10	-	0	c	53	85	49	6	-	7	-	0	9+	-	1	*
Renfrew (Abbots I.)	23·1	+10	NW	1	c	55	85	51	5	5	7	-	9	9+	4000	0	*
Eskdalemuir	23·1	+8	SW'S	2	c	54	92	51	7	5	-	-	9+	9+	2200	1	*
Point of Ayre	23·4	+8	-	0	bc	57	92	55	7	7	-	-	4-6	4-6	5000	0	1
Tiree	22·6	+4	S'W	1	dd	54	97	54	5	-	2	-	10	10	100	1	3
Stornoway	22·6	+4	SSE	3	c	50	97	50	8	5	1	-	7-8	10	2500	1	2
Dalwhinnie		+6	-	0	o	53	85	49	7	5	-	-	10	10	2500	0	*
Aberdeen †	20·3	+8	N'W	1	c	52	92	50	7	5	3	1	1	2-3	1200	1	2
Wick	22·8	+10	-	0	c/f	49	85	46	6	5	-	-	9	9	1500	1	*
Sumburgh	25·1	+8	ESE	3	c	49	75	41	9	5	2	-	2-3	7-8	2000	0	1
Blacksod Point	22·1	+2	S'W	4	ir.	57	97	56	7	6	2	-	4-6	10	1500	1	3
Malin Head	22·5	+2	S	1	c	57	85	52	8	5	-	-	9+	9+	7200	0	1
Aldergrove	23·7	+6	-	0	bc	58	75	52	8	5	3	-	1	4-6	2500	0	*
Birr Castle	23·8	+6	S	1	c	60	75		9	5	-	-	7-8	7-8	2500	0	*
Valentia Obsy.	24·4	+4	S'E	3	c	58	92	56	7	5	-	-	10	10	800	0	2
Roches Point	24·7	+6	W'S	1	c	56	92	54	8	5	-	-	7-8	7-8	2500	0	2

PAST 24 HOURS.

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

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 19th June $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 20th June $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	17	02864	12326	52	61854	11427	52	03746	12328	02	52418	09398
115							53	02854	20327			
203				84	02955	00028	54	02965	20328			
206	57	02854	08228	51	22777	04168	52	02765	00027	57	21765	20158
210	57	02864	05328	57	22861	10268	5-	22667	20167	5-	02777	18127
220				57	02953	18217						
230	52	81655	16128	52	02655	14157	53	02864	20125	52	22853	00068
245	19	02952	10317	52	02841	12268				03	02790	22127
260	73	01763	06124	53	02763	06128	53	05644	04127	--	05565	00017
278	23	05664	14325	13	02863	14326	53	05666	12227	53	02865	32227
279	83	05654	22315	73	05871	22316	57	02775	00027	57	02766	22226
285	13	01763	14414							53	02745	28427
288	13	02865	11216	17	02861	12415	03	05690	16316	57	05663	18227
575	80	01854	27114	53	02863	26226	53	01864	00024	5-	02868	14128
301	50	05661	20421	13	00761	26213	03	05590	00011	03	05690	21325
321	13	01864	06214	14	01861	14314	57	02763	12125	03	05690	00022
299				40	00862	12302	5-	03758	16328	70	05664	20314
292	13	00863	12213	03	00790	12212	53	01763	12215	58	05661	00013
310	--	01645	04315							--	01645	24115
614	1-	05664	06214	13	05763	12114	03	05690	00002	03	05590	24113

III	13h. G.M.T. 19th June $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 20th June $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
333	73	02854	16315	**	00961	20201	03	01890	00004	53	02834	18127
334										--	01772	24114
340	2-	05666	20216	23	01763	14213	50	05671	22111	03	01890	20244
136	15	01954	32214	54	01852	06312	5-	02877	12217	50	01874	20214
336	13	02753	12316	50	01754	12214				54	01754	28315
350	10	01864	04214	7-	02877	06321	00	05690	15120	03	05590	22822
368	53	02644	08326	53	05663	10214	03	08490	22116	50	02635	26146
379	5-	02758	12128	20	05653	16313	5-	08467	20227	00	43290	22340
390	5-	02856	08226	04	00890	10211	00	00790	00000	5-	05538	16128
382	5-	02758	13228	50	05663	19123	00	47390	00000	03	05590	00024
438	51	02754	06415	00	00790	04300	00	00890	04300	00	00890	04380
430	5-	02748	14128	50	01753	14113	50	05562	00002	5-	02768	24128
409	7-	02946	32126	7-	02967	02327	00	46190	00000	5-	41618	00058

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 20th 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			
Croydon			
Greenwich	c	c	dwdbz.
Camden Square	c	c	*
Kensington	c	c	*
Hampstead	o	bc	bcm

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0·1 Time 7-22h 19th.
Min. <0·1 Time 0-5h 20th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew							*	*
Croydon							*	*
Greenwich	65	45	32	-	-	1·0	61	72
Westminster	65	51	46	—	—		58	77
Regents Park	64	50	40	-	-		62	74
Camden Square	65	49	41	-	-	*	*	77
Kensington	65	49	42	-	-		67	73
Hampstead	63	48	43	-	-		*	81

Page 1

SECRET

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

Sunday 21st June 1942

No. 29431

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)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	24·5	−16	SSW	2	zo	71	55	54	6	8	–	–	7-8	7-8	4000
	Croydon	24·8	−10	WSW	2	bc	71	55	53	6	1	–	–	4-6	4-6	2800
	S. Farnborough	24·5	−10	WNW	2	c	73	45	52	7	2	–	–	7-8	7-8	3000
	Boscombe Down	24·8	−10	SW	2	c	70	55	55	7	1	–	–	7-8	7-8	3000
	Thorney Island	25·6	−4	S'W	3	zo	63	75	54	6	4	–	–	2-3	2-3	4000
	Lympne	25·5	−6	ESE	1	b	60	75	50	9	1	–	–	Tr	Tr	3500
	Manston	25·4	−6	SE'S	2	b	60	75	50	8	1	–	–	Tr	Tr	3000
2	Shoeburyness	25·5	−10	SE'S	3	b	63	65	52	8	–	–	–	0	0	–
	Felixstowe	25·3	−10	SSE	3	b	62	65	50	8	–	–	–	0	0	–
	Gorleston	25·3	−6	S'E	4	c	56	75	48	7	–	7	–	0	7-8	–
	Mildenhall	23·9	−14	W	1	c	72	55	55	7	5	–	–	9	9	2500
	Cranwell	23·1	−10	W	2	zo	71	55	55	6	2	–	–	4-6	4-6	3500
3	Birmingham	23·6	−6	SSW	2	bc	71	65	55	8	1	–	–	4-6	4-6	4000
	Upper Heyford	23·5	−14	W	1	bc	73	55	54	7	2	–	–	4-6	4-6	3100
4	Ross-on-Wye	23·9	−8	SSW	2	bc	72	55	56	8	1	–	–	4-6	4-6	3500
5	Hartland Point	25·3	−2	N	2	bc	59	85	52	7	4	–	–	2-3	2-3	1200
	Bristol	24·9	−10	WNW	2	bc	71	65	59	8	1	3	–	2-3	2-3	4000
	Portland Bill	25·8	−6	SE	2	bc	61	85	58	7	4	–	–	2-3	2-3	4000
	Plymouth	26·7	+2	SW	3	m	57	97	55	4	–	–	–	0	0	–
	The Lizard	25·2	−8	N'E	3	of	60	85	56	3	5	–	–	10	10	800
	Scilly (St. Mary's)	26·0	0	E	2	c	64	85	58	7	5	2	–	7-8	10	800
	Guernsey															
6	Pembroke	26·2	−4	SW'S	2	c	60	85	55	8	5	–	–	10	10	2500
7	Holyhead (Valley)	24·6	−2	SSW	4	bc	62	75	53	8	1	3	–	Tr	4-6	3000
	Chester (Sealand)	23·5	−8	NW	2	c	72	65	57	8	2	6	–	4-6	7-8	2500
8	Manchester	23·8	−6	WNW	3	c	69	65	55	6	2	6	–	4-6	7-8	3000
10	Spurn Head	23·8	−6	SE	3	zo	59	85	55	6	5	1	–	7-8	10	1500
	Catterick	22·9	−8	–	0	c	70	65	57	8	2	3	–	4-6	7-8	2800
	Tynemouth	23·9	+2	E	3	c	60	75	51	6	5	–	–	9	9	2700
11	St. Abbs Head	23·2	0	–	0	c	56	85	52	7	5	–	–	9+	9+	4500
	Leuchars	23·3	+2	SE	3	zo	63	75	54	6	1	7	9	Tr	9	3000
12	Renfrew (Abbots I.)	22·5	−4	N'W	1	bc	69	55	54	8	7	7	–	4-6	4-6	4500
	Eskdalemuir	22·2	−4	SW	2	c	66	65	55	8	7	7	–	4-6	7-8	2700
	Point of Ayre	23·8	−2	S	2	b	68	75	59	8	1	4	–	1	1	3000
13A	Tiree	22·8	0	SE'S	2	c	55	92	53	7	5	–	–	9+	9+	1000
13B	Stornoway	20·8	+10	SSE	3	c	56	97	53	8	5	1	–	7-8	10	2000
15	Dalwhinnie	22·9	−2	SSW	2	c	66	55		8	5	1	–	4-6	9+	2500
	Aberdeen	24·5	+6	SE	2	o	53	85	49	7	5	–	–	10	10	1500
	Wick	23·7	0	SSE	2	zo	51	92	49	5	5	–	–	10	10	400
16	Sumburgh	25·7	+2	SSE	3	c	50	75	44	8	7	2	–	4-6	9+	2500
17	Blacksod Point	21·8	−2	SW	4	dd	57	97	55	6	–	2	–	10	10	800
18	Malin Head	21·7	−10	E	2	RS	59	85	55	8	5	2	–	7-8	10	1500
	Aldergrove	22·8	−8	S	2	c	69	65	57	8	7	9	–	4-6	9	3500
19	Birr Castle	23·2	−2	S'E	1	c	72	65	61	8	8	1	–	7-8	10	1500
20	Valentia Obsy.	24·4	0	S'W	4	c	64	75	57	8	5	3	–	7-8	9	2500
	Roches Point	24·7	−2	SW	3	c	61	85	57	8	5	–	–	9+	9+	2500

OBSERVATIONS at 18h. G.M.T. 20th 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. 20th (39)	13h.–18h. 21st (40)	18h. 20th to 1h. 21st (41)	1h.–7h. 21st (42)
London (Kew)	23·2	−6	–	0	zo	74	45	54	6	8	6	–	4-6	4-6	4000	0	•	cmozoy	cbc zoy	bcbcw	bemow
Croydon	23·6	−2	S'E	2	c	69	65	58	7	5	4	–	9	10	3000	0	•	cbczoy	bczoy	c,bmow	bmow
S. Farnborough	23·0	−4	E	1	bc	73	55	53	6	7	3	–	2-3	4-6	4000	0	•	cmobbcc	cbc	bczobmo	bmojfowmo
Boscombe Down	23·8	−6	N'W	2	c	71	65	56	7	7	–	–	9	9	3500	0	•	bbcc	cbcc	cbcbmo	bmowfog
Thorney Island	24·2	−6	SSW	3	zo	62	75	55	6	–	–	–	0	0	–	0	•	cbcbmo	bmo	bmfogw	bmfogwmo
Lympne	24·5	−8	ESE	1	b	58	75	51	8	–	–	–	0	0	–	0	§2	bvbcb	b	bw	bwvb
Manston	24·2	−8	SSE	1	b	58	75	51	9	–	–	–	0	0	–	0	•	bvb	bbv	bvbcb	bwb
Shoeburyness	24·6	−4	SSE	2	b	62	75	53	9	–	–	–	0	0	–	0	•	bbvb	b	b	bmwby
Felixstowe	24·3	−2	SSE	2	bc	59	55	41	8	5	7	–	Tr	4-6	4000	0	1	b	bbc	bc	bcb
Gorleston	24·6	−2	S	4	c	59	75	51	8	5	–	–	7-8	7-8	2500	0	3	bbcc	c	cbcmo	cbc
Mildenhall	23·1	−4	SE'S	3	zo	70	55	55	6	4	3	–	Tr	4-6	4000	0	•	bmobcmocy	cyzobcy	bcbzo	bmowbzo
Cranwell	22·6	−2	WNW	2	zo	72	55	56	6	5	–	–	9	9	3500	0	•	b,cbcmo	bzoy czoy	bcbmo	bmobcmo
Birmingham	23·3	+2	NNW	1	c	70	65	59	8	5	–	–	9	9	4000	0	•	bbcy	bcc	cb	bmw
Upper Heyford	23·1	−2	–	0	zo	71	55	55	6	4	–	–	7-8	7-8	3500	0	•	bcmobc	bczoy	byczo	cbmojf
Ross-on-Wye	22·7	−4	W'S	1	c	73	55	56	8	5	–	–	7-8	7-8	4000	0	•	czbcv	bcy	cbb	bw
Hartland Point	25·0	−4	N	2	b	58	85	53	8	1	–	–	Tr	Tr	2000	0	1	cbc	bcb	bbcc	comof
Bristol	24·5	−2	W'S	3	b	69	65	57	8	–	–	–	0	0	–	0	•	b,c,bzob	b	b,bmo	bmomf
Portland Bill	24·8	−2	W	2	bc	59	85	55	8	2	–	–	2-3	2-3	4000	0	2	bc	bc	bcb	bc
Plymouth	25·2	−2	SW	2	bc	58	92	55	7	5	–	–	4-6	4-6	2500	0	2	ofbmbf	bbcb	bbmo	bbmobm
The Lizard	25·1	−2	–	0	zo	58	85	54	5	4	–	–	4-6	4-6	2500	0	2	o ffe	ffbcm	bc	bc
Scilly (St. Mary's)	25·5	−4	NE'N	2	o	60	85	54	7	5	–	–	10	10	800	0	2	cofc	c	cbbw	cwf
Guernsey																					
Pembroke	25·5	+2	W	3	c	58	85	53	8	1	4	1	2-3	9	3000	0	1	c	cbc	c	c
Holyhead (Valley)	24·2	−2	SW'S	4	b	59	85	52	9	5	4	–	Tr	1	3500	0	3	cbc	bcb	bbcc	c
Chester (Sealand)	23·7	−2	WNW	3	bc	65	75	56	8	–	–	8	0	2-3	–	0	•	bccbc	bc,b	bcbmow	bffbcmo
Manchester	23·6	0	WNW	3	bc	68	65	56	7	4	6	–	1	2-3	3500	0	•	bczo	bcy	bczomo	bbcmo
Spurn Head	23·4	−2	SE	3	zo	59	85	53	6	4	3	1	4-6	7-8	2500	0	3	cmo	cmo	bcmo	czo
Catterick	23·3	+2	NE	1	m	66	75	57	4	8	–	–	9+	9+	3000	0	•	cbc	czocz	cmcmo	czo
Tynemouth	24·1	+2	E	3	bc	60	85	53	6	5	3	–	4-6	4-6	2800	1	3	cmoc	cbc	bccoir	bmro
St. Abbs Head	23·1	+2	SE	1	c	55	85	51	7	5	2	–	7-8	10	3000	0	2	cmo	cmoc	cirmoo	bmororo
Leuchars	24·0	+6	NE	2	roro	54	92	51	6	6	2	–	7-8	10	400	1	•	cmo	crorombo	orrmo	rrofooom
Renfrew (Abbots I.)	22·9	+4	WSW	3	roro	63	75	54	8	5	7	–	4-6	10	2000	1	•	cmobcy	cyprirо	crorof	prrfoo
Eskdalemuir	22·4	0	S'W	3	c	64	75	55	8	5	7	–	7-8	9	2200	1	•	c.	c	cprorr	crorr
Point of Ayre	23·8	0	SE	2	c	61	85	57	8	4	7	–	1	7-8	4000	0	1	bcb	bbcc	roo	bcddo
Tiree	22·0	−6	SE	1	dd	56	97	55	6	–	2	–	10	10	600	1	3	odfc	coirodod	odrrz	oRR
Stornoway	23·0	+2	SSE	2	c	56	97	52	8	5	2	–	7-8	10	2000	0		c	c	cd	frr
Dalwhinnie	23·0	0	SSW	3	pr	60	75	50	7	5	2	–	9	10	2500	1		ocy	cproo		ciroo
Aberdeen	24·7	0	SSE	2	zo	52	92	51	6	5	7	–	4-6	10	1000	1	2	bcczo	c	cozo	oroof
Wick	24·0	0	SE	3	zo	51	92	50	6	5	3	–	4-6	10	1000	0	•	ofmofmo	cmo	cmo	cro
Sumburgh	25·4	−6	SSE	3	c	50	75	43	8	5	7	–	4-6	9	3000	1	2	ciroc	c	cidoc	c
Blacksod Point	21·4	−2	SSW	4	c	58	92	56	7	5	–	–	9+	9+	1500	1	3	d	d	d	r
Malin Head	21·2	−6	SW'S	1	dr	62	97	61	6	–	2	–	10	10	1500	1	1	r	r	r	r
Aldergrove	22·7	0	–	0	ido	63	92	61	7	5	7	–	7-8	10	1200	0	•	bcb	eidoc	ddmrrc	c
Birr Castle	22·8	−2	SSW	1	c	69	85	65	8	8	1	–	7-8	10	1500	0	•	c	c	*	bc
Valentia Obsy.	24·3	0	S'W	4	bc	64	75	57	8	1	4	–	Tr	2-3	1500	0	3	r	bc	bc	c
Roches Point	24·1	−2	SW	4	bc	61	85	57	8	5	–	–	4-6	4-6	4000	0	3	c	c	bc	c

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light variable wind; mainly fine and warm; cool on the coast; local mist in early morning.
5 S.W. England; 6 South Wales	Light variable wind; fair or fine and rather warm inland; cool on the coast, with fog patches.
7 North Wales; 8 N.W. England	Light or moderate Southwest wind; cloudy; slight rain or drizzle; patches of fog on coast; average temperature.
9 N. Midlands	Light Southwest wind; fair; rather warm.
10 N.E. England; 11 S.E. Scotland	Light or moderate Southwest wind; cloudy; rain at times; average temperature.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland	Moderate South to Southwest wind; cloudy; rain or drizzle at times; patches of fog on coast; average temperature.
14 Mid Scotland; 15 N.E. Scotland	Moderate South to Southwest wind; cloudy; rain or drizzle at times; average temperature.
16 Orkneys and Shetlands	As 14-15.
17 N.W. Ireland	Moderate Southwest to West wind; cloudy with occasional rain at first; bright intervals later; average temperature.
18 N.E. Ireland; 19 S.E. Ireland; 20 S.W. Ireland	Light Southwest to West wind; variable cloud; local thunder; rather warm to average temperature.

GENERAL INFERENCE

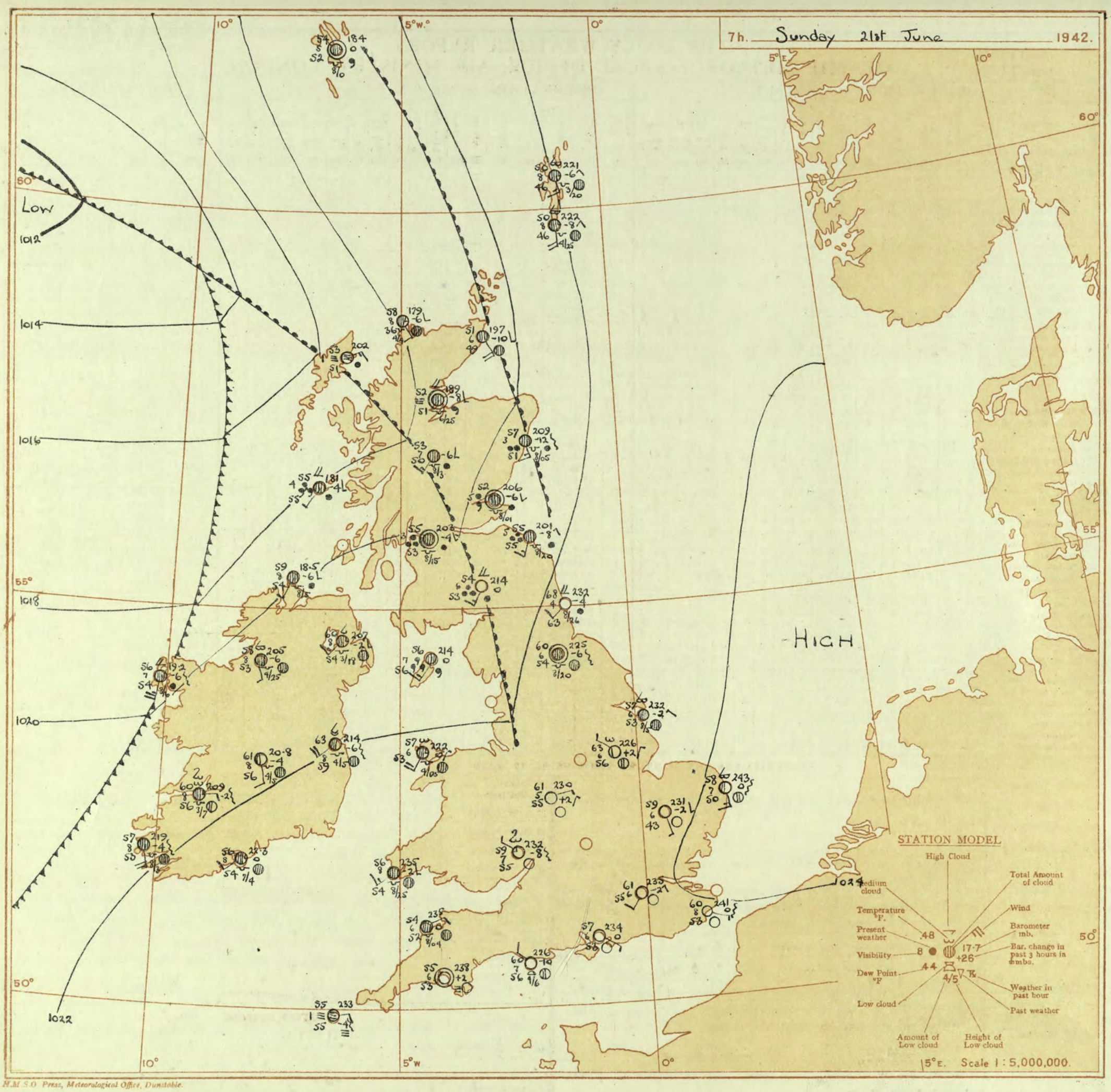
A large anticyclone over the North Sea and Southern Britain is declining slowly. A trough of low pressure over Scotland and another trough off West Ireland are moving slowly east. Weather will continue fine and warm in the South and Midlands but it will be cloudy with rain at times in the North.

FURTHER OUTLOOK

Further rain in Northeast Scotland. Fair periods elsewhere but occasional thundery rain spreading East.

Forecasts issued at 10·30.

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

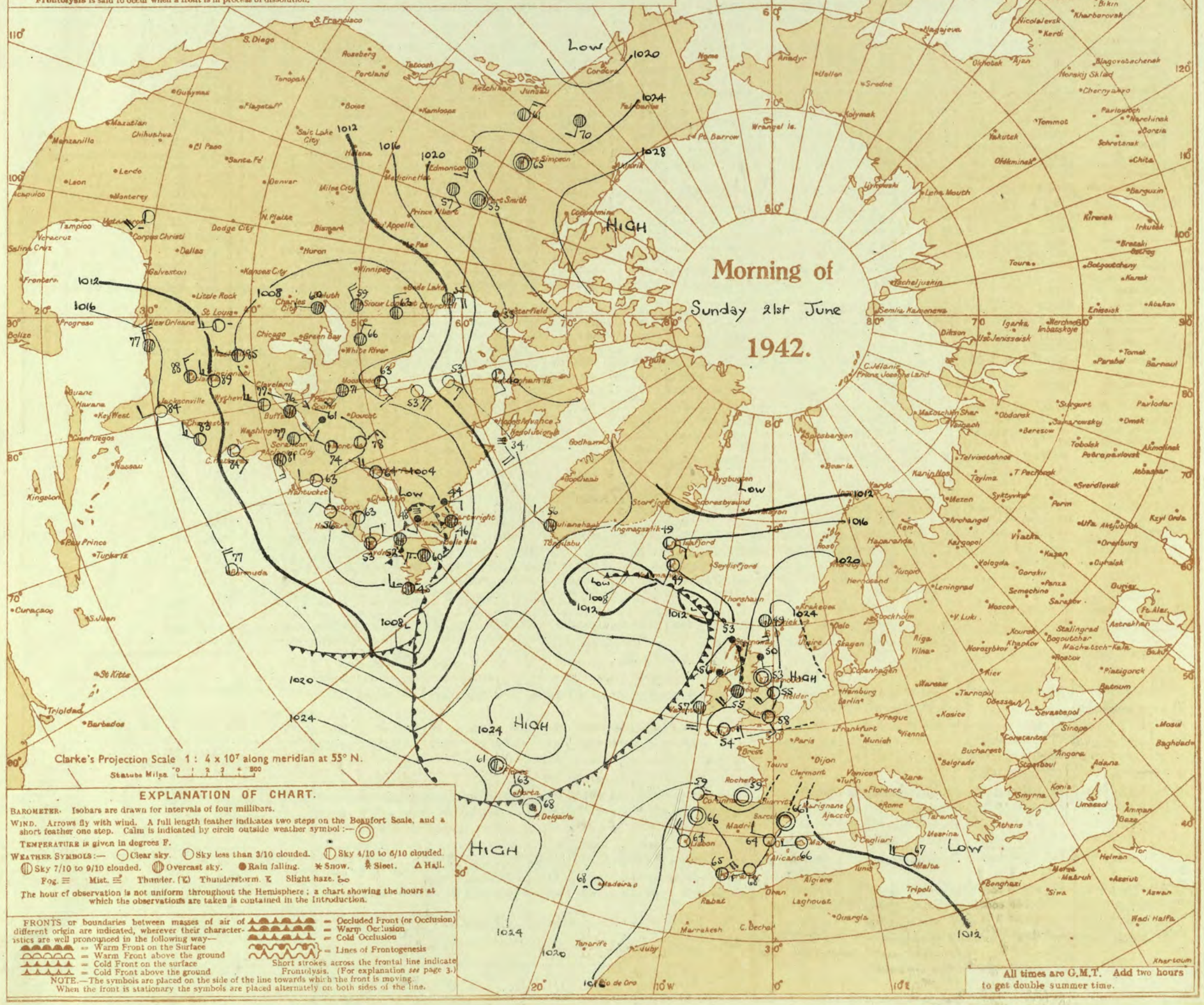
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Sunday 21st June 1942

No. 29431

OBSERVATIONS at 1 hr. G.M.T. 21st June — OBSERVATIONS at 7 hr. G.M.T. 21st June — PAST 24 HOURS.

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	°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)	Barom. at M.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)	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)	18	*	*	*	*	*	56	*	*	*	*	*	*	*	*	*	23.4	0	—	0	z0	60	85	54	6	–	–	–	0	0	–	0	*	75	52	42	–	–	5.8
	Croydon	290	24.1	0	S	2	z0	55	92	53	6	–	–	–	0	0	–	23.5	-2	SSW	2	b	61	85	55	6	–	–	–	0	0	–	0	*	73	53	47	–	–	7.3
	S. Farnborough	226	24.3	-2	S	2	z0	53	85	50	6	–	–	–	0	0	–	23.5	+2	—	0	z0	59	85	54	6	–	–	–	0	0	–	0	*	77	50	39	–	–	7.9
	Boscombe Down	417	24.4	0	W'N	2	z0	55	92	53	5	–	–	–	0	0	–	24.0	+2	NW'N	1	z0	58	85	53	6	–	–	–	0	0	–	0	*	73	50	42	–	–	7.3
	Thorney Island	10	24.3	-2	ENE	1	m	50	92	49	4	–	–	–	0	0	–	23.4	0	ESE	1	z0	57	85	53	6	–	–	–	0	0	–	0	*	65	48	45	–	–	*
	Lympne	283	24.5	-4	—	0	b	49	85	45	7	–	–	–	0	0	–	24.1	0	ESE	1	b	60	75	53	8	–	–	–	0	0	–	0	§ 1	61	44	*	–	–	14.2
	Manston	154	24.8	-4	—	0	b	51	92	50	8	–	–	–	0	0	–	23.9	-2	SE'S	1	b	58	85	54	8	–	–	–	0	0	–	0	*	63	49	39	–	Tr	14.0
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	23.8	0	SE	1	b	61	55	42	8	–	–	–	0	0	–	0	*	65	49	43	–	–	13.0
	Felixstowe	12	24.1	-4	S'E	2	bc	58	85	52	7	5	–	–	2-3	2-3	5700	24.1	+6	S'E	2	b	59	75	52	8	–	–	–	0	0	–	0	1	63	53	46	–	–	12.7
	Gorleston	5	24.6	-2	SE'S	2	z0	54	85	48	6	–	1	–	0	4-6	–	24.3	0	S	3	bc	58	75	50	7	–	7	–	0	4-6	–	0	3	61	53	48	–	–	10.8
	Mildenhall	15	23.5	-4	SSE	2	z0	53	75	46	6	–	–	–	0	0	–	23.1	-2	S	1	z0	59	55	43	6	–	–	–	0	0	–	0	*	74	50	43	–	Tr	8.7
	Cranwell	203	23.1	-2	L	0	z0	56	92	54	6	5	–	–	1	1	4000	22.6	+2	NNW	1	z0	63	75	56	6	–	3	–	0	2-3	–	0	*	73	55	46	–	–	8.8
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	23.0	0	—	0	m	64	75	56	4	–	–	–	0	0	–	0	*	73	55	43	–	–	7.1
	Upper Heyford	408	23.3	-2	—	0	z0	62	85	57	6	5	–	–	7-8	7-8	5800	23.0	-2	—	0	z0	61	85	56	6	–	–	–	0	0	–	0	*	74	56	48	–	–	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	23.2	-8	NW	1	b	59	85	55	7	–	–	9	0	Tr	–	0	*	75	52	44	–	–	7.0
5	Hartland Point	299	24.6	-6	NW	1	c	55	85	51	8	5	–	–	9	9	2500	23.5	0	NE	2	o	54	97	52	6	5	–	–	10	10	400	0	1	61	53	52	–	–	10.7
	Bristol	209	24.6	-2	—	0	z0	52	97	51	6	–	–	–	0	0	–	24.2	-2	—	0	bf	56	97	56	3	–	–	–	0	0	–	0	*	72	49	42		–	11.3
	Portland Bill	32	24.5	-2	SW	1	b	55	92	53	8	–	–	–	0	0	–	22.6	-10	NW	1	bc0	60	85	56	7	–	–	–	4-6	4-6	4000	0	2	62	51	*	–	–	*
	Plymouth	82	24.4	-6	NW	1	z0	55	92	53	7	–	–	–	0	0	–	23.8	+2	—	0	bjf	55	92	53	6	–	–	–	0	0	–	0	2	60	51	45	–	–	6.5
	The Lizard	240	24.5	-8	N	2	bc	55	97	55	7	4	–	–	4-6	4-6	2500	22.7	-6	ENE	2	bc	59	85	55	7	7	6	–	4-6	4-6	3500	0	3	60	54	*	–	–	4.3
	Scilly (St. Mary's)	163	24.7	-4	NE'E	3	b	54	97	53	7	–	–	–	0	0	–	23.3	-4	E'N	2	F+	55	97	55	1	–	–	–	10	10	<150	0	2	64	53	*	–	–	0.5
	Guernsey	175																																						
6	Pembroke	142	24.7	-8	WSW	3	c	55	85	51	8	8	–	–	9	9	2500	23.5	-2	SW'W	3	c	56	92	54	8	5	–	–	10	10	2500	0	1	61	49	*	–	–	4.5
7	Holyhead (Valley)	32	23.4	-8	S'W	4	c	55	92	52	8	5	7	–	7-8	9+	3100	22.2	0	S'W	4	c	57	85	53	8	5	3	–	4-6	9	500	0	2	62	55	52	–	–	*
	Chester (Sealand)	16	23.9	-8	SE	1	fg	53	97	52	6	–	4	–	0	1	–	22.4	-4	SSE	1	bc	57	85	54	5	–	5	0	–	7-8	–	0	*	73	50	43	–	–	11.8
8	Manchester	235	24.0	-2	—	0	b	53	97	52	6	5	1	–	Tr	Tr	4000	22.7	-2	—	0	z0	58	85	54	5	–	3	–	0	7-8	–	0	*	73	49	44	–	–	*
10	Spurn Head	29	23.3	-4	S'W	3	z0	55	92	53	6	7	4	–	2-3	4-6	4000	22.8	-2	W'S	2	z0	57	85	53	6	7	7	–	4-6	9	4100	0	1	65	59	*	–	–	9.6
	Catterick	175	23.6	-4	—	0	z0	58	85	54	5	5	7	–	Tr	10	3500	22.5	-6	—	0	z0	60	85	54	6	5	–	–	10	10	2000	0	*	74	56	52	–	Tr	5.4
	Tynemouth	108	24.1	0	—	0	o/r	53	92	51	6	–	2	–	10	10	1500	23.2	-4	SSW	2	r0r0	55	92	53	4	–	2	–	10	10	2600	1		64	53	52	–	0.6	*
11	St. Abbs Head	280	22.6	-6	SE	2	ir	51	97	51	6	5	–	–	10	10	1500	20.1	-8	S	3	rr	55	97	55	5	5	–	–	10	10	2000	1	2	60	50		–	2	
	Leuchars	36	23.6	-2	—	0	rr0	52	97	52	5	5	–	–	10	10	300	20.6	-6	—	0	dr	52	97	52	5	5	–	–	10	10	100	1	*	64	51	51	0.1	3	0.8
12	Renfrew (Abbots I.)	19	22.1	-6	ESE	2	r0r0	54	97	53	3	5	–	–	10	10	2000	20.3	-4	—	0	rr	55	92	54	3	5	–	–	10	10	1500	1	*	71	53	53	0.1	8	1.7
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	21.4	0	SSW	3	rr	54	97	53	6	–	2	–	10	10	200	1	*	67	53	52	–	8	1.7
	Point of Ayre	30	22.6	+6	ESE	2	o	55	97	55	7	–	2	–	10	10	2500	21.4	0	S'W	3	dd	56	97	56	7	–	2	–	10	10	1800	1		69	51	*	–	2	9.7
13A	Tiree	22																18.1	-4	SSW	1	dd	55	97	55	4	–	2	–	10	10	100	1	3	58	54	*	0.6	21	0.0
13B	Stornoway	80	21.8	-12	E	3	c/d	53	97	51	4	5	7	–	7-8	9+	2000	20.2	-8	ENE	3	F+	53	97	51	1	–	–	–	10	10	<150	1	1	56	50		–	20	0.5
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	19.0	-6	SSW	3	o	53	85	50	7	5	–	–	10	10	800	1	*	66	51	50	0.4	2	1.1
	Aberdeen †	79	23.5	-6	SSE	2	df	50	97	50	3	5	–	–	10	10	100	20.9	-12	S	3	r0r0	57	97	56	3	5	–	–	10	10	500	1	2	55	50	48	–	2	2.2
	Wick	114	21.9	-18	SE	3	c	50	92	49	6	5	–	–	10	10	500	19.7	-10	SE	4	z0	51	92	49	5	5	–	–	9	10	500	0	*	55	48		–	Tr	
16	Sumburgh	19	24.0	-6	S'E	3	c	49	85	45	8	5	7	–	1	9+	2500	22.2	-8	SSE	4	c	50	85	46	8	5	5	–	4-6	9	2500	0	2	52	48	46	Tr	–	2.9
17	Blacksod Point	18	20.4	-8	SSW	4	id	56	97	55	7	–	2	–	10	10	800	19.2	-6	S	5	c	56	92	54	7	–	2	–	10	10	4000	1	4	59	55	*	1	1	
18	Malin Head	84	19.9	-6	SW	1	RR	56	97	55	6	–	2	–	10	10	450	18.5	-6	SSW	1	c	59	85	55	8	5	–	–	10	10	2500	1	1	62	56		2	-	0.4
	Aldergrove	268	21.4	-8	—	0	c	61	92	59	7	5	7	8	4-6	9	2000	20.7	-2	SW'W	3	c	60	85	54	8	5	4	6	2-3	9	1800	1	*	71	57	51	Tr	3	6.6
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	20.8	-4	S	2	bc	61	85	56	8	5	–	–	4-6	4-6	2500	0	*	73	59	57	–	–	2.0
20	Valentia Obsy.	30	23.2	-10	S	4	o	57	92	55	7	5	–	–	10	10	800	21.9	-4	S	4	c	57	85	53	8	5	–	–	10	10	800	0	3	67	56	55	–	–	5.8
	Roches Point	22	23.7	-6	W'S	3	c	54	97	53	8	5	–	–	9+	9+	1500	22.3	0	WSW	2	c	56	92	54	8	5	–	–	9+	9+	1500.	0	2	63	54	*	–	7	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 20th June … 18h. G.M.T. — 01h. G.M.T. 21st 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	02	03528	12458	52	03636	13428	5-	03528	47428	5-	03528	45528
115	52	22854	08227				52	25844	12287	55	02844	12187
203							5-	03848	08268			
206	57	02864	08427	57	02866	08228	5-	05568	12268	52	45556	00058
210	73	02863	05327	5-	02867	09327	62	22655	12168	02	52548	12158
220	52	03636	17228	52	51436	16258						
230	57	02854	00067	57	22854	00068	02	52508	00068	62	64634	00068
245	53	02752	08317	5-	22638	06368	5-	62408	07268	5-	52418	06168
260	53	05665	05117	57	21665	05166	02	64428	00068	02	64438	05168
278	13	01963	02214	57	22863	14268	5-	21528	12368	5-	05698	12228
279	87	01763	20414	83	01762	20414	52	62646	00068	52	62655	20368
285												
288	8-	17457	01327	52	08466	02328	--	46309	00049	07	05590	15268
575	57	02847	20228	51	61845	18168	5-	02858	18268	57	02854	14128
301	13	00871	26412	13	00961	28302	03	05690	00027	57	05674	10127
321	8-	05666	25116	44	00763	27313	57	05674	00024	57	05563	00027
299							50	05657	00027			
292				14	00862	22213	03	02690	00017			
310												
614	2-	05657	00027	23	05655	28125	00	05590	00000	03	05590	00004

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
333	53	01953	14315	5-	01854	20214	5-	02738	18228	5-	02847	12327
334												
340	2-	02967	00027	43	01964	28227	00	05690	32100	03	00890	15242
136	5-	05655	24215	03	01790	06224	50	05663	13113	00	05690	24100
336	13	01762	24313	10	01762	24312						
350	2-	02755	26225	86	02754	20225				00	05690	20100
368	13	00861	22313	00	00890	24300	00	05590	24100	5-	49418	24248
379	20	01744	22344	50	01755	32215	03	05690	26221	00	05690	06100
390	10	05564	12114	04	05690	12112	00	47390	00040	00	08490	12100
382	20	05664	24114	5-	02776	00026	50	05672	28102	00	05690	00000
438	00	00790	22210	5-	01764	28114	50	05564	04114	00	00890	04200
430	5-	05664	14324	00	00690	18200	00	05690	32100			
409	50	01744	01214	50	01744	32314	5-	05527	32327	00	41590	02140

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 21st 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	cm.z.y	cbcz.y	bcm.w
Croydon	cbcz.y	bcz.y	c,bm.w
Greenwich	bbcz.y	bccbz.y	bz.
Camden Square	o	c	*
Kensington	bc	bco	*
Hampstead	bc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0.1, Time 8-9h 20th
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	75	52	42	–	*	5.8	*	*
Croydon	73	53	47	–	–	7.3	*	*
Greenwich	74	52		–	*	7.3	53	61
Westminster	74	54	49	–	–		55	65
Regents Park								
Camden Square	76	55	46	–	–	*	*	69
Kensington	76	53	47	–	–		75	61
Hampstead	72	55	48	–	–		*	65

Page 1 BRITISH SECTION

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

SECRET

Monday 22nd June 1942

No. 29432

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)	°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)	21·6	−12	S	2	bc	77	45	56	7	8	–	–	4-6	4-6	2500
	Croydon	21·8	−10	WSW	1	bc	77	55	57	7	1	–	–	2-3	2-3	2500
	S. Farnborough	21·3	−10	S'W	2	bc	77	55	57	7	2	–	–	4-6	4-6	4000
	Boscombe Down	21·6	−24	S	2	zo	75	55	57	6	2	–	–	7-8	7-8	4500
	Thorney Island	22·5	−8	SSW	3	b	67	55	49	8	–	–	–	0	0	–
	Lympne	22·6	−10	ESE	1	b	70	45	50	8	–	–	–	0	0	–
	Manston	22·9	−6	SEE	2	b	69	55	53	8	–	–	–	0	0	–
2	Shoeburyness	22·6	−12	SE'E	2	b	71	55	54	8	–	–	–	0	0	–
	Felixstowe	24·0	+2	SE	2	b	66	65	55	8	–	–	–	0	0	–
	Gorleston	23·2	−6	S	4	c	58	85	53	7	5	–	–	7-8	9	1800
	Mildenhall	21·4	−12	SSW	2	zo	76	45	55	6	8	5	–	7-8	9+	2500
	Cranwell	20·7	−10	–	0	c	76	55	60	7	2	3	–	2-3	7-8	3500
3	Birmingham	20·9	−8	SSW	3	bc	75	55	60	8	1	–	–	4-6	4-6	4000
	Upper Heyford	21·3	−10	SSW	2	c	78	45	53	7	2	–	–	4-6	7-8	3000
4	Ross-on-Wye	20·7	−12	SSW	2	b	76	55	59	7	1	–	–	1	1	4000
5	Hartland Point	22·3	−6	NE	3	f+	56	85	53	2	–	–	–	10	10	<150
	Bristol	22·0	−14	WNW	2	b	74	65	58	7	1	–	–	1	1	4000
	Portland Bill	22·2	−12	E	1	bc	63	85	60	7	1	–	–	4-6	4-6	4000
	Plymouth	22·4	−6	SW	1	b	63	75	55	7	1	4	–	Tr	Tr	2500
	The Lizard	22·6	−6	NE	2	bc	65	85	62	7	4	–	–	2-3	2-3	3500
	Scilly (St. Mary's)	22·2	−8	NE	3	bf	62	85	58	2	–	–	–	0	0	–
	Guernsey															
6	Pembroke	22·9	−6	WSW	3	o	60	85	55	7	5	–	–	10	10	2000
7	Holyhead (Valley)	21·6	−2	SW	4	c	60	75	52	8	5	3	–	7-8	9	1000
	Chester (Sealand)	20·4	−8	WNW	3	bc	72	65	58	7	1	3	9	Tr	2-3	4000
8	Manchester	20·2	−12	S'W	3	b	78	35	55	8	1	4	9	Tr	1	5700
10	Spurn Head	21·8	−6	SE	3	zo	61	75	44	6	7	7	–	4-6	9+	4000
	Catterick	20·1	−16	SSE	2	c	75	55	59	7	5	9	1	2-3	9	5000
	Tynemouth	21·9	−6	S	3	zo	56	92	54	6	–	2	–	10	10	2500
11	St. Abbs Head	19·3	−4	S	3	iro	61	92	59	7	5	2	–	7-8	10	2000
	Leuchars	19·2	−8	E	1	dodo	61	92	59	5	5	–	–	9	10	300
12	Renfrew (Abbots I.)	19·1	−6	WS	3	c	66	75	58	8	5	3	–	7-8	9+	2500
	Eskdalemuir	20·4	−4	SSW	3	rf	56	97	55	2	–	2	–	10	10	<150
	Point of Ayre	20·5	−4	N	2	c	61	85	58	8	5	4	–	2-3	7-8	4000
13A	Tiree	18·4	0	S'W	2	dodo	56	97	56	4	5	–	–	10	10	100
13B	Stornoway	16·7	−14	SSE	2	c	55	92	54	7	5	2	–	7-8	10	2500
15	Dalwhinnie	19·2	−6	SSW	3	ir	57	92	55	7	5	2	–	7-8	10	1500
	Aberdeen	19·0	−12	SSW	3	m	54	97	54	4	5	–	–	10	10	700
	Wick	18·6	−6	SSE	2	ido	52	92	51	4	5	–	–	10	10	200
16	Sumburgh	20·9	−8	SSE	4	o	52	85	49	7	5	–	–	10	10	900
17	Blacksod Point	19·0	−2	S	4	id	57	97	57	6	–	2	–	10	10	800
18	Malin Head	18·4	−2	SSW	3	o/r	61	85	57	8	5	–	–	10	10	2500
	Aldergrove	19·1	−6	WN	2	c	69	65	57	8	7	7	2	4-6	9+	2500
19	Birr Castle	19·7	−6	SW	2	c	71	65	60	8	5	–	8	7-8	9	2500
20	Valentia Obsy.	20·6	−10	S	5	c	61	85	57	8	5	3	–	9	9+	2500
	Roches Point	21·2	−6	SW	3	c	61	85	57	8	5	–		9+	9+	1500

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)	°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)
1	London (Kew)	20·0	−6	SSW	2	c	73	55	54	7	8	–	–	9+	9+	2500	0	*
	Croydon	20·9	−2	SSE	3	bc	75	55	51	7	2	7	6	2-3	4-6	3500	0	*
	S. Farnborough	20·6	0	SWW	3	b	75	45	50	7	1	–	–	1	1	4000	0	*
	Boscombe Down	21·0	−2	S	3	b	71	55	52	7	1	3	–	Tr	Tr	4500	0	*
	Thorney Island	21·3	−6	S'W	1	b	66	55	49	9	–	–	–	0	0	–	0	*
	Lympne	21·9	−2	ESE	2	b	69	55	50	8	–	–	–	0	0	–	0	§
	Manston	22·0	−6	ESE	1	zo	67	65	54	6	–	–	–	0	0	–	0	*
2	Shoeburyness	21·4	−4	SE'E	2	b	64	65	53	7	–	–	4	0	Tr	–	0	*
	Felixstowe	21·5	+20	SE	2	c	62	75	52	8	5	7	–	4-6	10	4000		1
	Gorleston	22·3	−4	S'W	3	o	58	85	53	7	5	–	–	10	10	5200	0	3
	Mildenhall	20·5	−2	SE'S	3	c	74	45	52	8	–	7	–	0	7-8	–	0	*
	Cranwell	19·7	−2	SE'S	2	c	73	65	61	7	4	–	–	10	10	5000	0	*
3	Birmingham	19·8	−8	SW	1	bc	77	45	57	8	1	–	–	2-3	2-3	4000	0	*
	Upper Heyford	19·9	−6	SSW	1	bc	76	55	56	7	4	3	–	2-3	4-6	4000	0	*
4	Ross-on-Wye	19·7	−6	SW	2	b	75	55	59	7	5	–	–	1	1	5000	0	*
5	Hartland Point	20·9	−4	NE	2	bc	56	85	52	7	–	4	–	2-3	2-3	–	0	2
	Bristol	20·8	−6	W	2	b	75	55	57	7	–	4	–	0	1	–	0	*
	Portland Bill	20·5	−12	E	1	c	60	85	56	7	2	4	–	4-6	9	4000	1	2
	Plymouth	21·0	−10	SW	2	b	61	85	56	7	–	–	–	0	0	–	0	2
	The Lizard	20·8	−8	–	0	b	65	75	57	7	–	–	–	0	0	–	0	2
	Scilly (St. Mary's)	21·1	−10	NE	3	bf	58	92	55	5	–	–	–	0	0	–	0	2
	Guernsey																	
6	Pembroke	21·2	−12	NWW	3	b	60	85	54	7	–	–	–	0	0	–	0	1
7	Holyhead (Valley)	20·5	−2	SSW	5	bc	59	75	51	9	5	4	9	Tr	2-3	1000	0	3
	Chester (Sealand)	20·1	0	WNW	3	b	67	75	58	8	1	4	9	Tr	2-3	3500	0	*
8	Manchester	19·2	−2	WNW	3	bc	74	55	58	7	1	4	–	1	4-6	5700	0	*
10	Spurn Head	20·4	−2	SE	3	zo	59	85	55	6	7	7	–	4-6	10	4000	0	2
	Catterick	19·8	0	–	0	c/r	71	85	56	7	5	7	–	7-8	10	2800	1	*
	Tynemouth	21·1	0	SSE	3	c	57	92	55	6	8	–	–	9+	9+	2200	1	3
11	St. Abbs Head	18·0	−4	SSW	4	c	65	85	60	7	4	4	–	7-8	9+	2500	1	3
	Leuchars	17·9	−6	NW	2	zo	67	85	62	6	2	3	–	4-6	9+	600	1	*
12	Renfrew (Abbots I.)	18·7	+2	WSW	1	c/r	61	92	59	7	5	7	–	4-6	10	2000	1	*
	Eskdalemuir	19·5	−2	–	0	o	59	92	57	7	5	–	–	10	10	800	1	*
	Point of Ayre	20·0	−2	NNE	1	c	57	92	55	8	–	7	–	0	9+	–	0	1
13A	Tiree	18·0	0	SSW	2	dd	55	97	55	5	–	2	–	10	10	100	1	3
13B	Stornoway	15·7	−2	SSE	4	o/r	55	97	55	6	5	–	–	10	10	1000	1	2
15	Dalwhinnie	18·6	−2	SW	3	iro	59	92	57	7	5	–	–	10	10	1500	1	*
	Aberdeen	17·7	−8	SSW	2	c/r	59	97	59	4	5	7	–	2-3	10	700	1	2
	Wick	17·3	−6	SSE	4	vovo	52	97	52	4	5	–	–	10	10	200	1	*
16	Sumburgh	19·2	−14	SE	5	zo	51	97	51	6	5	–	–	10	10	800	0	4
17	Blacksod Point	18·1	−2	S	4	iro	57	97	57	7	6	2	–	4-6	10	1500	1	3
18	Malin Head	18·1	+2	E	1	iro	59	85	55	8	5	2	–	7-8	10	1500	1	1
	Aldergrove	18·2	0	WSW	2	c	70	55	54	8	7	1	–	7-8	10	3000	0	*
19	Birr Castle	18·1	−10	SW	1	c	73	65	62	8	5	–	8	4-6	7-8	2500	0	*
20	Valentia Obsy.	19·7	−4	S	4	c	59	85	55	8	5	–	–	9+	9+	1500	0	
	Roches Point	20·5	−4	SSW	2	c	59	85	55	8	5	–	–	9+	9+	1500	0	3

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 21st (39)	13h.—18h. 21st (40)	18h. 21st to 1h. 22nd (41)	1h.—7h. 22nd (42)
1	London (Kew)	bzobcy	bccy	bcb,w	bbmozow
	Croydon	bmoby	bcy	bcybw	b
	S. Farnborough	bmozobc	bcc zob	bybcbmo	bjfzo
	Boscombe Down	bzo cczo	czoybc	bybcbmo	bbc
	Thorney Island	bmobcby	by	bybcb	b
	Lympne	by	by	byb	bwk
	Manston	b by	bybby	bzobbmo	bmo
2	Shoeburyness	by	b	bbcb	bbmwb
	Felixstowe	b	bcb	cbcb	bbcbcmo
	Gorleston	c	c	bc	bc zo
	Mildenhall	bczobcy	czoycy	cybcb	cbc
	Cranwell	bzobc	c	bbcmo	cbcmo
3	Birmingham	bmbc	bcy	bcb	bbc
	Upper Heyford	bmozoby	bcy cy	bcbyzo	cbczo
4	Ross-on-Wye		bcyby	bcb	bmowcz
5	Hartland Point	omff	offcbcb	cb	bc
	Bristol	by	by	bmo	bbcmow
	Portland Bill	bc	bcc	bc	bcc
	Plymouth	bmob	b	bmow	bmow
	The Lizard	bc	bcbzo	bbcw	b
	Scilly (St. Mary's)	bff	bff	offe	offF
	Guernsey				
6	Pembroke	c	b	bcb	bcbmo
7	Holyhead (Valley)	c	cbcb	c	cwbc
	Chester (Sealand)	bzob	bzobc	bccmo	bffmob
8	Manchester	bcby	bbcy	bbcmo	bcbmow
10	Spurn Head	cmo	bmo	cmo	zmo
	Catterick	cmocy	cirrc	cczocmo	cmoczo
	Tynemouth	ororomo	ocmoc	cmo	cbccm
11	St. Abbs Head	omorirocc	ciromo	cmo	c
	Leuchars	dorododomo	domdrr	rrrocmo	cirocmo
12	Renfrew (Abbots I.)	crfrrc	cmorrro	ciro	cmo
	Eskdalemuir	ordoro	orof ido	c	eproc
	Point of Ayre	dde	c	cbc	eproc
13A	Tiree	orrdd	odr r	orododo	oddrr
13B	Stornoway	frr cpr	corr	crr roro	cpc
15	Dalwhinnie	oir	oir		oiroc
	Aberdeen	ororom	oirocm	ciro	ciro
	Wick	cmoido	oidmro	crororrc	cmo,of
16	Sumburgh	cbcc	cirocmo	crrDdm	cddmrr
17	Blacksod Point	d	r	r	d
18	Malin Head	r	r	r	r
	Aldergrove	c	cy	cyc pr	cmoc
19	Birr Castle	c	c		c
20	Valentia Obsy.	c	c	d	r
	Roches Point	c	c	d	d

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 22nd June

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands, 5 S.W. England, 6 South Wales	Light variable or Southeast winds; mainly fine; local coast fog; very warm
7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England	Light Southeast wind veering West; fair at first; local thundery rain; thunderstorms later; local coast fog; warm becoming a little cooler
11 S.E. Scotland, 12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Light or moderate South wind, veering Southwest; occasional rain; local thunder; local coast fog; bright intervals later; warm becoming cooler
16 Orkneys and Shetlands	As 11 - 15
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Light or moderate Southwest wind; occasional rain and local thunder at first, fair later; somewhat cooler

GENERAL INFERENCE

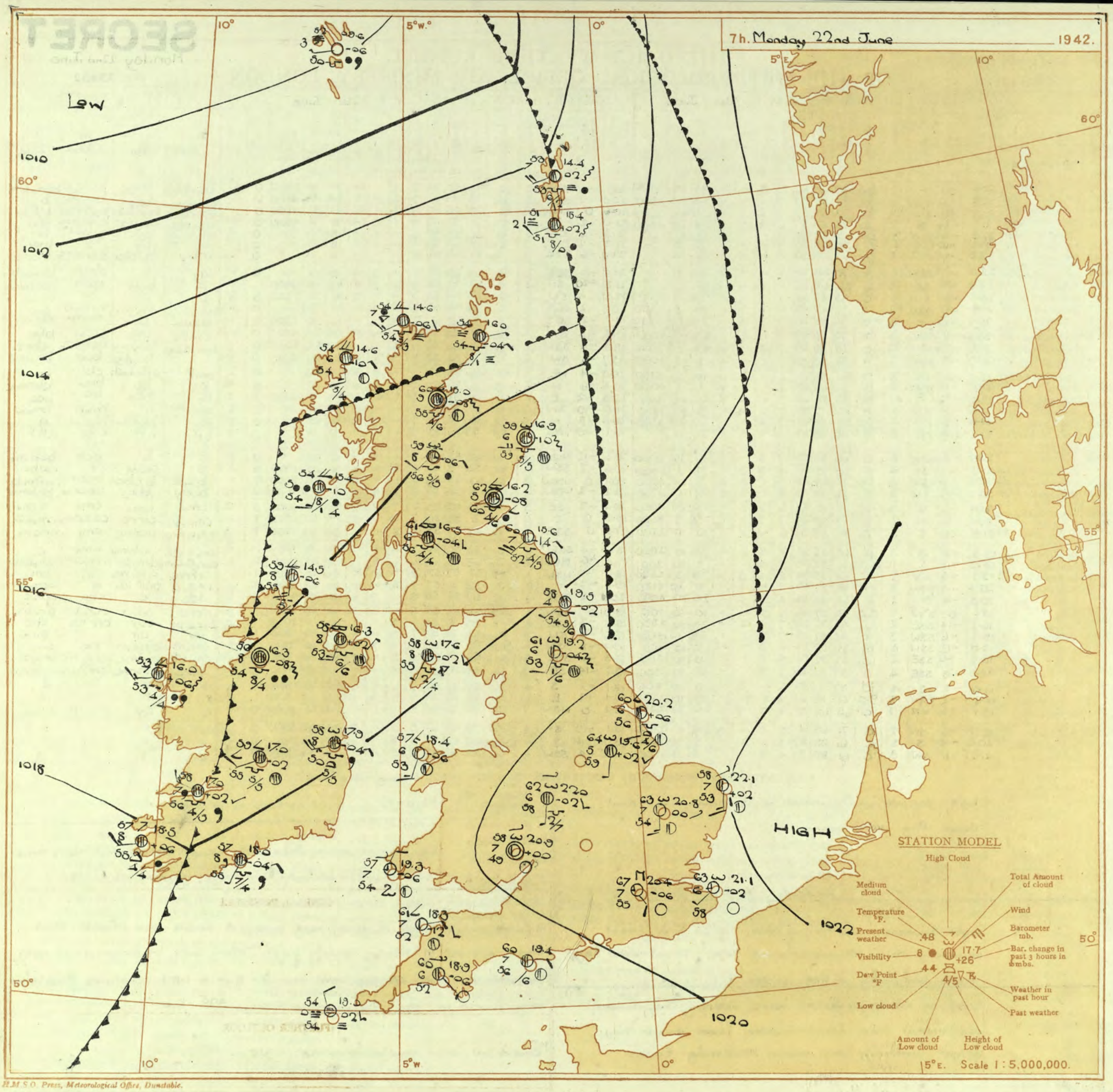
An anticyclonic ridge is giving way slowly. A feeble cold front over West Ireland is moving slowly east. There will be occasional rain in the North with perhaps local thunder but it will continue fine and very warm in the South and Midlands.

FURTHER OUTLOOK

Chance of local thunderstorms in Great Britain

Forecasts issued at 10.30h.

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



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

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

Explanation of Frontal Lines shown on Charts

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

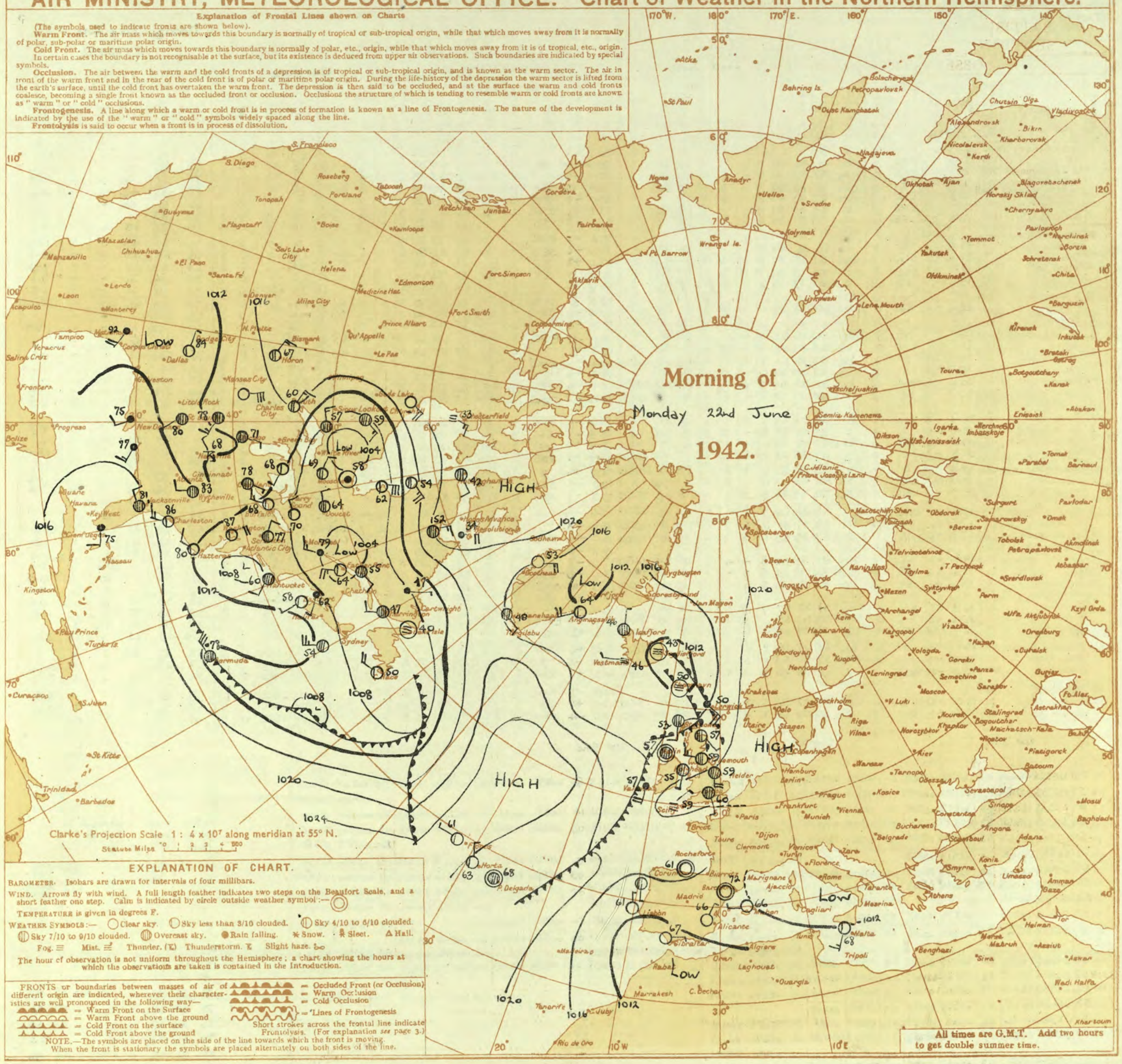
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



BRITISH SECTION

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

Monday 22nd June 1942

No. 29432

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)	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	21·3	−2	SSE	1	b	60	97	60	7	-	-	-	0	0	-
	S. Farnborough	226	20·9	−2	SSE	1	z0	57	85	51	6	-	-	-	0	0	-
	Boscombe Down	417	21·1	−6	E	2	z0	60	65	58	6	-	3	-	0	2-3	-
	Thorney Island	10	20·8	−6	ENE	2	b	53	85	49	8	-	3	-	0	1	-
	Lympne	283	21·9	−2	ESE	2	b	58	85	52	7	-	-	-	0	0	-
	Manston	154	21·8	−2	SE	1	z0	57	92	55	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	22·0	0	SE	1	b	60	85	54	8	-	-	-	0	0	-
	Gorleston	5	22·4	−2	S'W	2	bc	57	85	51	7	-	4	-	0	4-6	-
	Mildenhall	15	21·0	−2	SSE	2	c	59	75	50	7	-	7	-	0	7-8	-
	Cranwell	203	19·6	−6	S'E	3	z0	59	85	55	6	-	3	-	0	4-6	-
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·6	+2	SW	1	z0	60	75	53	6	-	4	-	0	Tr	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·2	−2	NE	2	b	56	85	52	7	-	-	-	0	0	-
	Bristol	209	21·2	0	-	0	z0	57	92	55	6	-	4	-	0	Tr	-
	Portland Bill	32	20·3	−8	E	1	bc	57	85	53	7	2	-	-	4-6	4-6	4000
	Plymouth	82	20·7	−4	-	0	z0	53	97	52	6	-	-	-	0	0	-
	The Lizard	240	20·4	−4	ENE	3	bc	57	92	54	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	20·3	−6	NE	2	f	53	97	53	2	-	-	-	10	10	<150
	Guernsey	175															
6	Pembroke	142	20·4	−8	NW	2	b	55	92	52	7	-	-	-	0	0	-
7	Holyhead (Valley)	32	19·5	−8	S	2	c	55	92	52	8	-	9	3	0	7-8	-
	Chester (Sealand)	16	19·9	−6	SE	1	b	55	92	53	6	-	4	-	0	1	-
8	Manchester	235	19·9	−2	-	0	bc	57	85	53	7	5	4	2	1	4-6	4000
10	Spurn Head	29	19·8	−4	S	4	z0	59	85	53	6	7	2	-	7-8	9	4000
	Catterick	175	19·5	−2	SW	1	z0	58	85	53	6	-	3	-	0	7-8	-
	Tynemouth	108	19·7	−6	WNW	3	z0	59	85	55	5	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	18·1	0	SW	1	c	59	85	54	7	5	-	-	10	10	2500
	Leuchars	36	17·5	−6	-	0	ir0	58	97	58	6	5	7	-	7-8	9+	2000
12	Renfrew (Abbots I.)	19	17·9	−6	W'N	1	ir0	59	97	50	6	5	2	-	9+	10	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	18·8	+2	S'W	1	bc	52	97	52	8	4	4	-	Tr	2-3	2500
13A	Tiree	22	17·6	−4	S'E	2	d0d0	54	97	54	5	5	-	-	10	10	300
13B	Stornoway	80	15·8	+2	S'E	3	o	53	97	53	5	5	-	-	10	10	1000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	16·9	−2	SE	1	c/r	57	97	57	7	5	7	-	7-8	9+	1000
	Wick	114	16·4	+2	-	0	c/r	55	97	55	6	5	2	-	7-8	10	1500
16	Sumburgh	19	16·2	−14	SE	4	DD	50	97	50	4	6	2	-	10	10	200
17	Blacksod Point	18	16·1	−18	S	5	r0r0	56	97	56	7	6	2	-	4-6	10	800
18	Malin Head	84	16·5	−14	-	0	c/r	57	85	53	8	5	2	-	4-6	10	1500
	Aldergrove	268	17·3	−10	NE'E	1	c	57	85	53	8	5	8	3	7-8	7-8	4000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18·5	−10	S'E	4	id0	57	92	56	6	5	-	-	10	10	800
	Roches Point	22	19·6	−6	S'W	2	c	55	92	53	8	5	-	-	9+	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 22nd 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 21st Hrs. (38)
London (Kew)	20·7	−2	-	0	z0	65	65	54	6	-	5	-	0	2-3	-	0	*	79	55	44	-	-	10·4
Croydon	20·4	−6	SE	2	b	67	65	55	7	-	8	-	0	Tr	-	0	*	79	56	52	-	-	14·0
S. Farnborough	20·1	−6	-	0	z0	62	75	55	6	-	4	-	0	1	-	0	*	78	52	40	-	-	10·8
Boscombe Down	20·8	−6	E'S	3	c	63	75	55	7	-	3	9	0	7-8	-	0	*	77	53	46	-	-	10·0
Thorney Island	20·0	−2	E'S	3	b	64	75	55	7	-	8	1	0	1	-	0	*	69	51	48	-	-	*
Lympne	22·2	−2	ESE	1	b	66	65	53	7	-	4	-	0	Tr	-	0	§1	72	55	*	-	-	14·5
Manston	21·1	−2	SE	1	z0	63	85	58	6	-	3	-	0	Tr	-	0	*	69	55	48	-	-	14·2
Shoeburyness	21·4	−2	ESE	1	b	64	75	57	7	-	-	-	0	0	-	0	*	71	51	43	-	-	12·3
Felixstowe	21·6	−2	SE'S	1	z0	62	85	57	6	-	3	4	0	2-3	-	0	1	62	55	49	-	-	11·4
Gorleston	22·1	+2	S'E	3	bc	58	85	55	7	-	-	4	0	4-6	-	0	2	64	55	49	-	-	7·0
Mildenhall	20·8	0	S'E	3	bc	63	75	54	7	-	3	9	0	2-3	-	0	*	79	56	51	-	-	7·1
Cranwell	19·6	+2	S	1	z0	64	85	58	5	5	3	-	4-6	7-8	6000	0	*	77	57	*	-	-	6·5
Birmingham	19·9	0	SSE	2	z0	65	75	59	5	-	8	4	0	4-6	-	0	*	79	59	46	-	-	13·3
Upper Heyford	20·4	+6	SSW	1	bc	61	65	50	7	-	3	9	0	4-6	-	0	*	78	56		-	-	*
Ross-on-Wye	19·9	−6	-	0	z0	61	85	58	5	-	3	-	0	9+	-	0	*	77	55	47	-	-	12·5
Hartland Point	18·3	−12	E'NE	2	bc	61	65	52	7	-	4	9	0	2-3	-	0		57	54	50	-	-	
Bristol	20·9	0	-	0	bc	58	85	49	7	-	3	4	0	2-3	-	0	*	76	53	42	-	-	11·5
Portland Bill	19·4	−4	ENE	2	c	60	85	56	7	2	-	-	7-8	7-8	4000	1	2	63	54	*	-	-	*
Plymouth	18·9	−6	E'S	1	z0	60	75	52	6	-	-	2	0	4-6	-	0	2	65	50	43	-	-	13·1
The Lizard	18·1	−6	NE	3	bc	59	75	51	8	4	-	-	2-3	2-3	2500	0	2	66	54	*	-	-	13·5
Scilly (St. Mary's)	19·0	−2	NNW	2	F+	54	97	54	0	-	-	-	10	10	<150	0	2	62	50	*	-	Tr	5·8
Guernsey																							
Pembroke	19·3	−6	N'E	2	b	57	92	54	7	-	-	1	0	Tr	-	0	1	62	48		-	-	4·7
Holyhead (Valley)	18·4	−6	S'W	3	z0	57	85	53	6	-	9	-	0	4-6	-	0	2	61	55	51	-	-	*
Chester (Sealand)	18·7	−6	SSE	1	b	59	85	53	5	-	-	-	0	0	-	0	*	76	52	45	-	-	13·4
Manchester	19·4	−2	SSE	2	z0	62	85	56	5	-	3	-	0	2-3	-	0	*	79		47	-	-	*
Spurn Head	20·2	+6	S	2	z0	60	85	56	6	7	4	-	4-6	7-8	4000	0	2	62	57	*	-	-	2·6
Catterick	19·2	−4	S'W	2	z0	61	75	53	6	5	3	9	Tr	4-6	4000	1	*	71	56	52	2	Tr	2·9
Tynemouth	19·5	−2	SW	2	m	58	85	54	4	5	-	-	7-8	7-8	2500	1	2	60	55	51	3	-	*
St. Abbs Head	15·6	−14	SW	5	c	60	75	52	7	5	4	-	4-6	7-8	2500	0	3	65	56	*	3	-	*
Leuchars	16·2	−8	-	0	z0	62	92	60	5	5	7	2	4-6	9+	4000	1	*	67	58	55	6	2	0·4
Renfrew (Abbots I.)	16·5	−4	SE'E	1	z0	61	85	56	6	5	7	6	4-6	10	2000	1	*	69	56	52	9	1	1·3
Eskdalemuir	17·8	−6	S	2	c	55	92	53	7	5	3	-	4-6	7-8	1800	0	*	59	52	52	1	7	0·0
Point of Ayre	17·6	−2	SSW	1	c	58	92	55	8	5	3	-	1	9	1000	0	2	65	52	*	0·2	Tr	2·8
Tiree	15·4	−10	SSE	3	r0r0	54	97	54	5	-	2	-	10	10	200	1	4	56	54	*	10	6	0·0
Stornoway	14·6	−10	SSE	3	c	54	97	54	6	5	2	-	7-8	10	1200	1	1	57	52	*	5	Tr	0·1
Dalwhinnie	15·9	−6	SW	2	c	59	85	56	8	5	3	-	7-8	9+	2500	1	*	59	53	45	9	0·3	0·0
Aberdeen †	16·1	−2	-	0	m/r	56	97	54	4	5	-	-	9+	9+	2500	1	2	59	53	52	2	1	0·0
Wick	16·0	−4	ENE	1	of+	54	97	54	3	5	-	-	10	10	200	1	*	52	51	51	0·6	2	
Sumburgh	15·4	+2	WSW	2	of+	51	97	51	2	5	-	-	10	10	100	1		54	49	49	Tr	15	3·0
Blacksod Point	16·0	+6	WSW	3	c/d	53	97	53	7	6	2	-	4-6	10	1500	1	2	58	57	52	2	4	*
Malin Head	14·5	−6	S	3	c	59	85	55	8	6	2	-	7-8	10	1500	1	1	62	55		4	4	0·1
Aldergrove	16·3	+2	SSW	3	c	58	85	53	8	5	7	-	9	10	3500	0	*	74	55	47	-	Tr	5·2
Birr Castle	17·0	−2	SW	2	c	59	85	55	8	5	1	-	7-8	10	2500	0	*	74	56	55	-	-	8·0
Valentia Obsy.	18·5	+6	W'S	3	c	57	92	55	8	2	-	3	4-6	7-8	1500	1	3	63	56	55	-	1	0·3
Roches Point	18·0	−4	SSW	1	id0	57	92	55	8	5	-	-	9+	9+	1500	0	2	64	59	*	-	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 21st June $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 22nd June $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	52	05525	46428	02	61518	47368	5-	62518	24268	52	03755	00068
115	52	09735	20188	--	67109	20269	--	48109	20369	52	81735	20348
203	5-	62938	16568	6-	61838	16568	5-	02938	16528	5-	64838	16328
206	62	62745	08168	51	22847	00068	5-	02955	20165	54	02964	00018
210	5-	62748	18168	62	62744	08168	5-	22965	19265	53	02963	08127
220	62	66426	15368	5-	22418	19368				62	66416	19268
230	62	64506	00068	62	52604	18168	62	51623	00028	52	43435	00068
245	52	64624	15368	57	22646	17368	5-	05666	23166	57	05602	12167
260	52	22754	21168				53	05555	21117	53	25754	12185
278	5-	05628	14328	57	02834	12327	57	02764	12314	5-	02728	14368
279	57	05654	22467	83	02864	20316	53	01764	00064	57	05663	00025
285										53	01754	26415
288	54	02864	14127	5-	63458	00068	54	41472	16263	54	05665	22226
575	57	02874	20267	53	51865	00057	52	62747	00068	5-	22848	00068
301	03	02790	28325	03	01790	31225	03	08490	02114	03	05590	18226
321	53	05664	16227	5-	05667	19327	04	08490	00012			
299	5-	02766	16126	50	03768	16228	5-	05665	20315	54	05653	20114
292	57	02875	00027	07	05690	08228	53	05563	00025	03	05690	00027
310										--	01641	24101
614	26	05654	20115	57	05664	16125	00	05590	00013	00	05590	22141

III	13h. G.M.T. 21st June $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 22nd June $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	5-	02848	14258	53	01843	14314	07	02890	14125	55	02834	14227
334										--	04409	00028
340	14	00961	21302	14	00871	20211	05	05590	00003	50	05663	14143
136	7-	05664	20115	03	05690	14213	5-	02778	16328	03	02790	18225
336										50	01753	16313
350	20	05664	23214	5-	02764	08124	50	05664	20214	08	05690	14225
368	50	00751	20201	03	04790	26102	00	08490	00000	03	05690	04204
379	2-	02756	24116	20	01753	20113	00	05690	23410	03	00790	16103
390	10	05664	12204				00	05590	00010	08	05690	12101
882	26	02764	23115	5-	01763	20013				08	05790	00003
438	00	00790	08100	00	00890	04200	50	01743	04213			
430	00	00990	14200				00	00690	00001	03	00790	08301
409	50	08743	03303	--	48309	04309	00	00790	00001	00	00790	12142

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 22nd 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	bcb,mz,w
Croydon	bm.by	bcy	bcybwb
Greenwich	bz.y	bbcz.y	by
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 5-7h 22nd
Min. <0·1 Time rest of period

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	79	55	44	-	-	10·4	*	*
Croydon	79	56	52	-	-	14·0	*	*
Greenwich	79	54	41	-	-	11·2	48	49
Westminster	79	59	52	-	-		47	51
Regents Park	80	58	57	-	-		44	53
Camden Square	83	58	51	-	-	*	*	53
Kensington	81	56	49	-	-		47	46
Hampstead	71	62	56	-	-		*	*

Page 1 BRITISH SECTION

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

Tuesday 23rd June 1942

No. 29433

SECRET

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)	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)	18·8	-8	SSW	2	c	79	43	53	8		8	4	0	9	-
	Croydon	19·8	-2	SE	2	c	78	49	58	8	·	8	4	0	9	-
	S. Farnborough	18·8	-6	SE	2	c	78	45	56	8	1	8	4	Tr	7-8	3000
	Boscombe Down	18·7	-6	SES	4	bc	75	55	55	8	1	3	6	Tr	4-6	4000
	Thorney Island	19·1	-8	SE	3	bc	73	45	52	8	-	8	2	0	4-6	-
	Lympne	19·9	-10	SE	2	bc	73	55	54	9	2	4	2	1	4-6	4000
	Manston	20·2	-6	E	3	z0	69	75	60	6	-	8	6	0	4-6	-
2	Shoeburyness	20·1	-8	SE'E	2	c	73	55	54	8	-	3	1	0	7-8	-
	Felixstowe	20·6	0	ESE	2	z0	67	75	59	6	-	·	6	0	4-6	-
	Gorleston	21·2	-4	S'E	3	z0	60	85	53	6	-	6	4	0	4-6	-
	Mildenhall	18·9	-10	SSE	3	c	78	45	53	8	1	-	2	1	7-8	4000
	Cranwell	18·3	-6	S'E	3	z0	75	55	56	6	1	7	-	1	7-8	6000
3	Birmingham	18·0	-6	SSE	3	bc	75	55	57	8	1	9	-	4-6	4-6	4000
	Upper Heyford	18·2	-10	S'E	2	c	77	45	52	7	1	3	9	2-3	7-8	1500
4	Ross-on-Wye	17·6	-10	S'E	3	bc	77	55	58	7	1	-	9	4-6	4-6	4000
5	Hartland Point	17·8	0	NW	2	b	63	75	54	7	-	·	-	0	0	-
	Bristol	18·4	-6	SE'S	2	b	75	55	56	7	1	4	1	1	2-3	4000
	Portland Bill	18·7	-6	ENE	2	c	62	85	59	7	2	-	-	7-8	7-8	4000
	Plymouth	18·1	-2	SSW	3	z0	65	75	57	7	1	-	1	Tr	Tr	4000
	The Lizard	18·1	0	W	2	b	65	75	56	7	-	-	-	0	0	-
	Scilly (St. Mary's)	18·7	0	NNW	3	bc	63	75	57	6	5	-	-	4-6	4-6	1200
	Guernsey															
6	Pembroke	18·6	-4	WNW	4	b	60	85	55	7	-	-		0	0	-
7	Holyhead (Valley)	17·6	-4	SW	3	b	63	65	53	7	-	5	9	0	2-3	-
	Chester (Sealand)	16·9	-8	WNW	3	c	70	75	60	6	1	-	-	7-8	7-8	3500
8	Manchester	16·7	-4	S	4	bc	77	45	54	6	1	-	·	4-6	4-6	4000
10	Spurn Head	13·7	+10	SE'E	3	z0	60	75	57	6	7	3	-	4-6	7-8	4000
	Catterick	16·3	-14	SSW	3	z0	71	55	57	6	2	3	-	4-6	4-6	3000
	Tynemouth	17·7	-10	SSE	3	c	63	65	52	6	5	-	-	9	9	3500
11	St. Abbs Head	15·5	+2	SSW	3	r0	65	75	56	7	5	-	-	9+	9+	2500
	Leuchars	18·1	-4	SSW	4	pr	65	75	57	7	9	9	2	4-6	9+	1000
12	Renfrew (Abbots I.)	15·7	-	SW	3	ir	61	95	55	6	8	2	-	4-6	10	900
	Eskdalemuir	16·1	-4	SSW	5	bc	62	65	51	5	5	4	-	4-6	7-8	2400
	Point of Ayre	17·3	-2	NWW	4	c	65	75	58	8	1	4	5	Tr	7-8	2500
13A	Tiree	15·7	+4	SWW	3	c	53	85	49	8	5	-	-	7-8	7-8	2100
13B	Stornoway	12·2	-12	SSE	5	rr	54	97	54	6	5	2	-	9	10	1500
15	Dalwhinnie	14·7	-2	SW	3	c	56	92	54	5	5	-	-	10	10	800
	Aberdeen	13·8	-8	SSW	3	z0	66	75	58	6	5	9	-	4-6	9+	3300
	Wick	13·5	-18	ESE	3		57	92	55		5	7	-		10	2500
16	Sumburgh	13·2	-2	S'E	3	z0	54	97	54	5	5	-	-	10	10	500
17	Blacksod Point	17·0	+6	SWW	3	bc	60	75	52	8	8	-	-	2-3	2-3	4000
18	Malin Head	15·7	+10	NWW	7	bc	60	75	49	8	9	7	-	4-6	7-8	1500
	Aldergrove	16·1	0	SSW	2	qd	61	85	56	8	7	-	·	10	10	1500
19	Birr Castle	17·7	+4	SW	2	c	62	75	54	8	5	1	-	7-8	10	2500
20	Valentia Obsy.	19·4	+6	W	3	b	60	75	52	9	1	-	3	1	2-3	2300
	Roches Point	17·6	-2	S	3	c	60	92	58	8	3	-	5	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 22nd 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)	16·0	-10	S'E	3	bc	75	45	53	8	-	4	9	0	4-6	-	0	*
Croydon	17·4	-8	SSE	2	bc	77	45	54	8	-	8	9	0	4-6	-	0	*
S. Farnborough	16·7	-8	SSE	3	bc	76	35	48	8	-	-	9	0	4-6	-	0	*
Boscombe Down	17·2	-10	SE'S	3	b	73	55	54	7	-	7	9	0	1	-	0	*
Thorney Island	17·3	-10	SE	3	bc	72	55	55	8	-	-	9	0	1	-	0	*
Lympne	18·4	-6	-	0	b	72	55	52	8	-	8	2	0	2-3	-	0	[illegible]
Manston	18·3	-18	E'N	2	z0	68	75	61	6	-	8	1	0	2-3	-	0	*
Shoeburyness	18·3	-10	E'S	2	b	64	75	55	7	-	8		0	Tr	-	0	*
Felixstowe	19·0	-6	E	3	bc	64	75	55	7	-	3	9	0	9	-	0	1
Gorleston	19·0	-12	S	1	z0	61	75	53	6	5	8	-	4-6	7-8	4000	0	3
Mildenhall	17·5	-6	SSE	3	c	73	35	46	8	-	8	2	0	7-8	-	0	*
Cranwell	16·2	-6	SE'S	4	bc	73	55	57	8	8	3	-	2-3	4-6	5000	0	*
Birmingham	16·1	-10	SSW	2	bc	76	55	58	8	1	8	-	1	4-6	4000	0	*
Upper Heyford	16·3	-8	S'W	2	b	70	45	52	8	-	8	-	0	1	-	0	*
Ross-on-Wye	15·9	-10	SSW	2	bc	75	55	60	7	1	-	-	4-6	4-6	4000	0	*
Hartland Point	17·6	-2	WNW	2	b	62	79	54	7	-	-	-	0	0	-	0	2
Bristol	16·9	-10	S'E	2	b	76	45	55	8	1	-	9	1	1	4000	0	*
Portland Bill	17·7	-4	E	2	bc	61	85	50	7	1	-	1	2-3	2-3	4000	0	2
Plymouth	17·2	-8	SSW	2	z0	62	85	58	6	1	-	5	Tr	2-3	5000	0	2
The Lizard	17·4	-4	NW	3	bc	60	79	58	8	7	-	-	2-3	2-3	3500	0	3
Scilly (St. Mary's)	18·6	-2	NNW	3	c	61	75	54	7	3	-	-	10	10	1200	0	3
Guernsey																	
Pembroke	16·6	-10	N'W	3	b	60	85	55	7	-	-	1	0	2-3	-	0	1
Holyhead (Valley)	16·0	-6	S'W	2	c	60	85	53	8	-	9	6	0	9	-	0	2
Chester (Sealand)	16·8	-2	WNW	4	c	62	75	55	7	8	6	-	7-8	7-8	3000	0	*
Manchester	16·0	0	WNW	4	z0	65	75	56	6	2	6	-	2-3	2-3	2500	0	*
Spurn Head	17·2	-4	SE'S	4	z0	62	75	54	6	7	3	-	2-3	4-6	4000	0	3
Catterick	15·4	+2	W	3	z0	73	65	59	6	2	3	1	Tr	2-3	4000	0	*
Tynemouth	16·3	-4	NW	3	c	69	65	56	6	8		-	7-8	7-8	2400	1	2
St. Abbs Head	15·1	+2	W	1	c	59	92	56	8	5	4	-	7-8	9+	2500	0	2
Leuchars	14·9	-2	WSW	4	z0	63	85	57	6	5	7	-	7-8	9+	2200	1	*
Renfrew (Abbots I.)	16·0	+2	W'N	1	c	57	92	54	8	5	-	-	9+	9+	2500	1	*
Eskdalemuir	15·3	-6	SW	2	pR	63	75	56	8	5	-	-	9	9	2500	1	*
Point of Ayre	16·3	-6	NWW	3	c	62	85	58	8	2	7	-	Tr	9+	3000	0	3
Tiree	15·0	0	SW	3	bc	56	85	52	8	8	-	-	2-3	2-3	2800	0	4
Stornoway	11·6	0	WSW	5	c	57	85	51	8	5	7	-	7-8	9+	2500	1	3
Dalwhinnie	14·4	+2	SW	3	c	57	85	51	8	8	-	-	7-8	7-8	2500	1	*
Aberdeen	13·7	-4	SWW	3	z0	64	75	56	6	8	2	-	9	9+	2100	1	2
Wick	13·1	-4	NW	2	c	59	92	55	9	8	-	-	9+	9+	3000	0	*
Sumburgh	12·5	-10	SE	4	c/r	52	97	52	5	5	2	-	9+	10	300	1	2
Blacksod Point	16·9	-2	SW'W	4	bc	59	75	51	9	2	-	-	2-3	2-3	4000	0	3
Malin Head	15·8	-2	W	5	bc	58	75	50	8	2	-	-	2-3	2-3	2500	1	3
Aldergrove	16·2	-2	W'N	1	bc	64	55	48	9	8	-	4	4-6	4-6	3000	2	*
Birr Castle	17·2	-2	W	2	rd0	67	65	50	8	2	-	-	4-6	4-6	2500	0	*
Valentia Obsy.	19·3	-2	W'N	3	bc	60	75	52	9	2	-	3	4-6	4-6	2500	0	3
Roches Point	17·2	-2	N	3	bc	67	75	59	9	1	3	5	2-3	4-6	4000	0	2

PAST 24 HOURS — Weather

Stations	7h.—13h. 22nd (39)	13h.—18h. 22nd (40)	18h 22nd to 1h. 23rd (41)	1h.–7h. 23rd (42)
London (Kew)	bcy	bcy	bcy	bcbwz0
Croydon	bycy	cbcy	bc,cbc	bcbwp0
S. Farnborough	bz0bcyc	bcbcy	bcybm0w	bm0wfq
Boscombe Down	bcm0bc	b-b	bcs bm0	bm0fq f
Thorney Island	bbcy	bcyby	bc bm0fq	bm0fqcb
Lympne	by	bcy	bybbcw	bcw bc
Manston	bm0bcz0	bcz0	bcz0bm0	cbcm0z0
Shoeburyness	bbccy	cybcb		bwbm0
Felixstowe	bcm0	bcm0c	ccm0bcm0	cm0bc
Gorleston	bcm0	bcz0	bc	cbcm0
Mildenhall	bcy	cybcycy	bcyb	bbm0bz0
Cranwell	bcm0	bc	bm0	bm0
Birmingham	bc	bc	bcb	bm
Upper Heyford	bc cy	cyby	byb	bmzmjf
Ross-on-Wye	czbc	bcy	bcbz0	bmw
Hartland Point	bcb	b	bbcc	bcc
Bristol	bcc	bbcby	bybbm0	b,offe
Portland Bill	cc	bcbc	bc	bcbc
Plymouth	b cm0bz0	bm0	bm0w	bm0cbc
The Lizard	bcb	bcbbc	bccbc	bc
Scilly (St. Mary's)	oFcbc	bcc	cbcb	bwbc
Guernsey				
Pembroke	bcbm0	bm0	bc	bcb
Holyhead (Valley)	bcbz0	bcc	c	c
Chester (Sealand)	b,cm0	cz0c	cbcm0	bccm0
Manchester	bz0y	bcz0y	cpr0bcm	bcm0
Spurn Head	cz0	cz0	b	bc
Catterick	bcz0	bcz0cz0bz0	cr0cz0	cz0bcm0c
Tynemouth	cmm0	cp0c	c	cbc
St. Abbs Head	cir0m0	cir0m0	cm0c	bc
Leuchars	cm0cpr0	cpr0m0	cm0bcb	bbcw
Renfrew (Abbots I.)	cr0ir	crd0r0d0c	bm0	moffwmc
Eskdalemuir	cbc	cpr0c	cbc	bcbbc
Point of Ayre	c	c	cbcm	bcc
Tiree	dc	bc	bc	bcc
Stornoway	c	c	cpr	cpr
Dalwhinnie	cir0o	bir0c		c
Aberdeen	cmcz0	cir0z0	bc	bcwcbc
Wick	ftbcjt	cm0cc	cbcb	bccprc
Sumburgh	cd0d0c	bRr0c	cmcfmbd	bcb,c
Blacksod Point	bc	bc	bc	d
Malin Head	r	c	b	bc
Aldergrove	cd0d0c	cprcbc	bcybcc	bv wc
Birr Castle	c	bc		c
Valentia Obsy.	bc	c	bc	bc
Roches Point	c	c	bc	bc

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light variable winds; mainly fine, but possibly a few isolated thonderstorms; warm.
5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Light Northwest wind; mainly fair; somewhat cooler.
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 and variable West wind; variable cloud; local rain; cooler.
16 Orkneys and Shetlands	As 12-15
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Light West wind; fair; cooler.

GENERAL INFERENCE

A shallow depression covers East and Sootheast England, and a small depression off North Scotland is moving northeast. There will be some local rain in Scotland and North Ireland. Elsewhere weather will be fair, apart from some isolated thonderstorms chiefly in East and Sootheast England and the Midlands

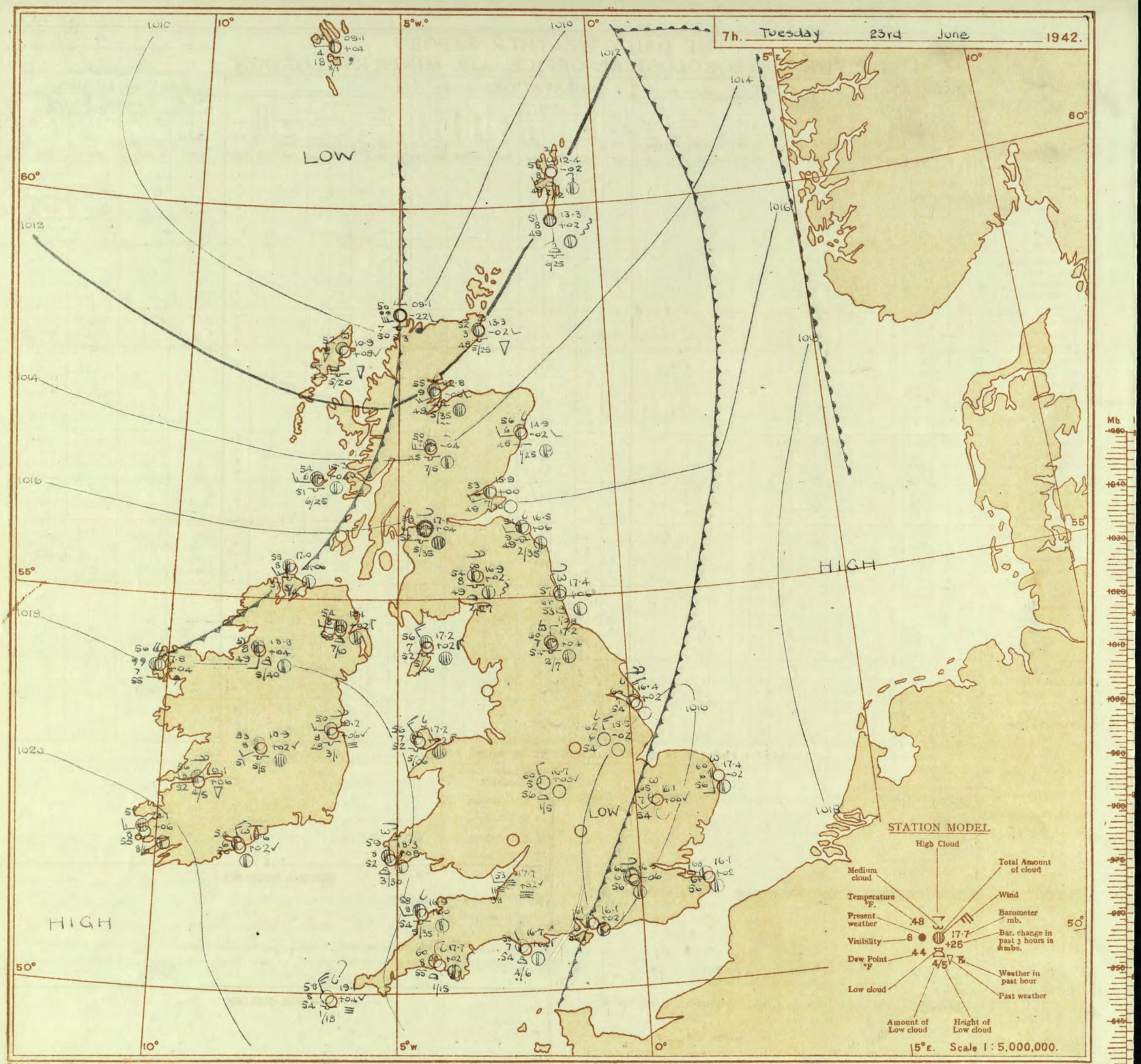
FURTHER OUTLOOK

Similar

Forecasts issued at 10.30.

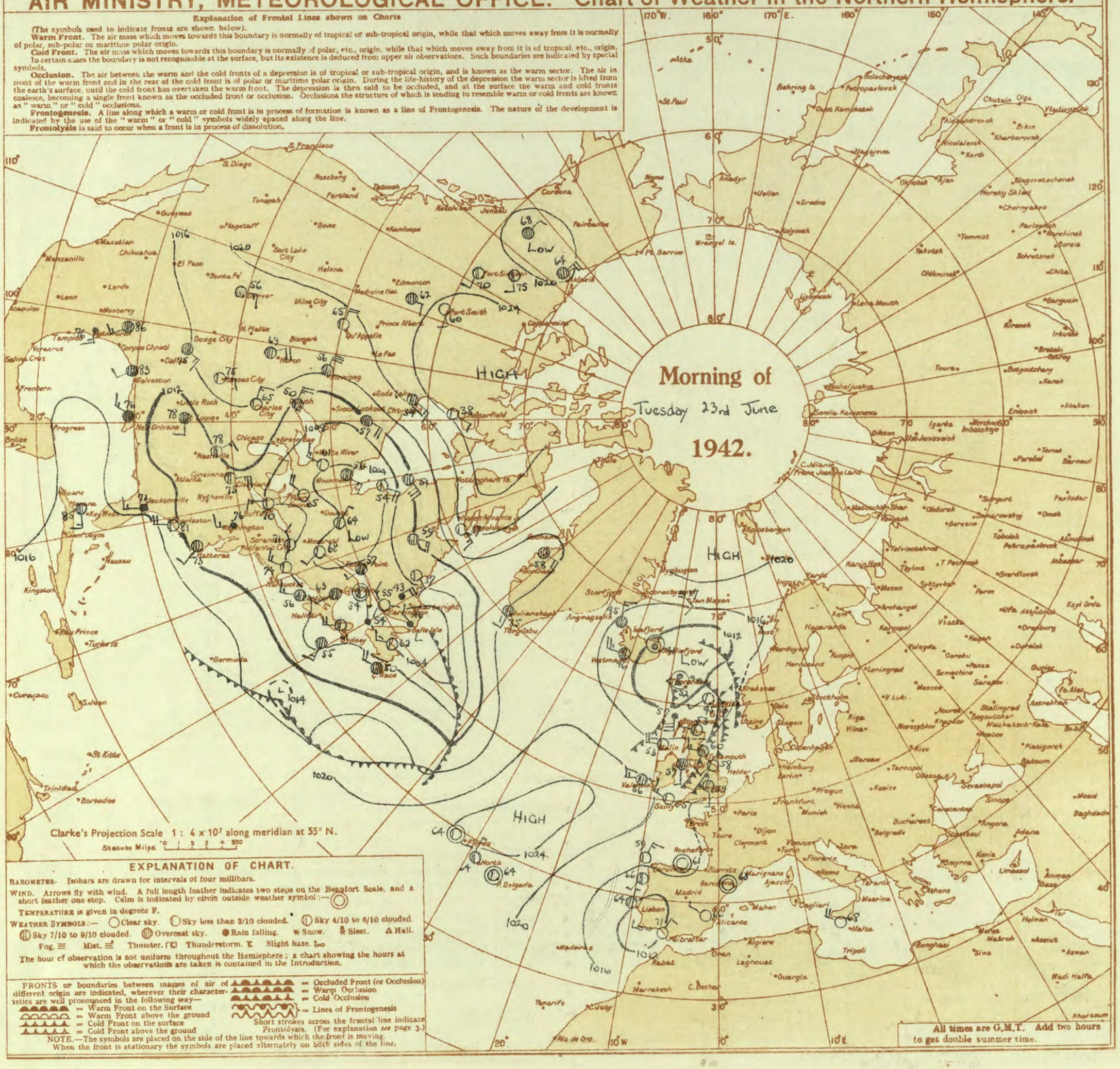
N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Tuesday 23rd June 1942.



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

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Tuesday 23rd June 1942

No 29433

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)	°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	*	*	*	*	*	61	*	*	*	*	*	*	*	*	*
	Croydon ...	290	17.3	−4	S	1	bc	59	92	56	6	-	8	-	0	4-6	-
	S. Farnborough	226	16.8	−2	-	0	2o	57	85	51	6	-	-	-	0	0	-
	Boscombe Down	417	17.7	−2	-	0	2o	56	85	53	6	-	-	-	0	0	-
	Thorney Island	10	17.1	−2	NNW	1	bjf	55	92	53	6	-	-	1	0	Tr	-
	Lympne ...	283	18.1	−2	-	0	bc	63	75	56	7	-	8	1	0	4-6	-
	Manston ...	154	17.0	−10	SE	1	2o	60	92	58	6	-	3	2	0	4-6	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	17.5	−10	SE	3	2o	63	75	56	6	-	8	-	0	4-6	-
	Gorleston ...	5	18.6	−4	SSW	2	2o	60	85	53	6	-	4	-	0	4-6	-
	Mildenhall ...	15	17.1	−2	-	0	bc	60	75	52	7	-	4	-	0	2-3	-
	Cranwell ...	203	16.2	−4	SW	3	2o	57	85	52	6	-	7	-	0	1	-
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16.5	+2	S	1	b	60	75	53	6	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17.5	−4	WNW	2	bc	56	92	53	8	+	-	-	2-3	2-3	2500
	Bristol ...	209	17.8	+2	-	0	2o	55	92	53	6	-	-	-	0	0	-
	Portland Bill ...	32		−12	E	1	bc	55	85	51	7	5	-	-	2-3	2-3	4000
	Plymouth ...	82	17.9	−2	NNW	1	2o	56	92	54	6	-	-	-	0	0	-
	The Lizard ...	240	18.9	+4	NNW	2	bc	54	92	52	8	8	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	19.3	−2	NW	3	b	55	85	51	8	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	17.6	−2	N'W	3	b	56	97	55	8	4	4	-	4-6	4-6	4000
7	Holyhead (Valley)	32	17.0	−2	S	2	c	57	97	55	8	5	5	-	7-8	10	2800
	Chester (Sealand)	16	17.2	−2	NW	1	2o	55	92	53	6	5	7	-	2-3	4-6	6000
8	Manchester ...	235	16.9	−2	-	0	2o	56	92	54	5	5	-	-	4-6	4-6	3000
10	Spurn Head ...	29	16.7	−4	SW	2	bc	58	85	52	7	7	4	1	2-3	2-3	4000
	Catterick ...	175	16.5	−2	NW	1	2o	61	75	52	6	5	2	-	7-8	10	2200
	Tynemouth ...	108	16.7	−2	WNW	3	c	60	85	56	6	8	-	-	9	9	2500
11	St. Abbs Head	280	15.7	+2	W	2	c	56	75	48	7	5	4	-	7-8	9	2500
13B	Leuchars ...	36	15.8	+2	WSW	3	b	50	97	49	8	5	-	-	Tr	Tr	4500
12	Renfrew (Abbots I.)	19	16.7	+2	-	0	2o	47	97	46	7	7	4	-	1	1	4000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	16.7	0	NW	1	m	51	97	51	4	4	4	-	1	2-3	5000
13A	Tiree	22	15.0	0	SWS	2	bc	52	92	48	8	8	-	-	4-6	4-6	2500
13B	Stornoway ...	80	11.3	−24	SSE	6	pr	52	97	52	7	5	7	-	7-8	9+	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	15.0	+6	WNW	1	bc	53	85	49	9	5	4	1	2-3	2-3	6000
	Wick ...	114	13.9	−2	SSE	1	b	50	92	49	9	4	-	-	Tr	Tr	3000
16	Sumburgh ..	19	13.5	+2	WSW	1	bc	49	97	49	7	5	7	-	2-3	2-3	4000
17	Blacksod Point	18	17.7	+2	SWW	2	bc	54	92	52	8	8	-	-	2-3	2-3	2500
18	Malin Head ...	84	16.7	+2	W	3	bc	53	85	49	8	5	-	-	2-3	2-3	2500
	Aldergrove ...	268	17.6	+2	-	0	bc	51	85	47	8	5	4	1	4-6	4-6	4000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	20.0	0	W	3	c	56	85	52	8	8	-	-	9+	9+	2500
	Roches Point	22	19.3	+6	NW	3	bc	54	85	50	8	5	-	5	1	4-6	4000

OBSERVATIONS at 7 hr. G.M.T. 23rd 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)	16.2	+2	SW	1	2o	63	75	54	6	5	-	-	1	1	4000	0	*
	Croydon ...	16.3	−6	-	0	2o	66	75	56	6	-	-	1	0	Tr	-	0	*
	S. Farnborough	16.1	−2	W'S	1	2o	61	75	53	6	-	4	-	0	Tr	-	0	*
	Boscombe Down	17.4	+2	NW	3	f-	54	92	53	2	-	-	-	10	10	<150	0	*
	Thorney Island	16.1	−2	WNW	2	2o	61	85	56	6	-	3	-	0	2-3	-	0	*
	Lympne ...	17.3	−2	SE	1	2o	66	65	55	6	-	8	4	0	4-6	-	0	§ 1
	Manston ...	16.1	+2	NW'W	1	2o	68	75	56	6	-	8	-	0	4-6	-	0	*
2	Shoeburyness ...	16.6	−2	ENE	1	b	65	85	59	5	-	3	-	0	1	-	0	*
	Felixstowe ...	16.3	−2	SSE	1	2o	64	85	59	6	-	7	-	0	2-3	-	0	1
	Gorleston ...	17.4	−2	S	2	2o	60	85	56	6	-	3	-	0	4-6	-	0	2
	Mildenhall ...	16.1	0	SW'W	1	2o	65	75	54	7	-	3	-	0	1	-	0	*
	Cranwell ...	15.5	−2	N'W	3	2o	62	75	54	6	-	4	-	0	1	-	0	*
3	Birmingham ...	16.7	0	NW	2	2o	60	85	56	5	1	-	-	Tr	Tr	2500	0	*
	Upper Heyford	16.0	−2	NNW	1	2o	59	85	55	5	-	-	-	0	0	-	0	*
4	Ross-on-Wye	16.8	0	NW'N	2	2o	60	85	55	6	5	-	-	1	1	3000	0	*
5	Hartland Point	16.9	0	WSW	2	c	58	85	54	8	5	4	-	7-8	7-8	3500	0	2
	Bristol ...	17.7	+2	W	2	F+	58	97	58	1	-	-	-	10	10	<150	0	*
	Portland Bill ...	16.7	+4	NW	1	bc	58	85	54	7	2	-	-	4-6	4-6	4000	0	2
	Plymouth ...	17.7	+2	NW	2	b	60	85	55	8	1	4	-	Tr	1	1500	0	
	The Lizard ...	18.3	0	NNW	3	bc	57	92	55	8	7	-	-	2-3	2-3	800	0	3
	Scilly (St. Mary's)	19.1	++	NW'N	5	bc	58	85	54	8	5	4	4	Tr	2-3	1800	0	2
	Guernsey ...																	
6	Pembroke ...	18.3	+8	N'E	4	c	59	75	52	8	2	5	3	2-3	7-8	3000	0	2
7	Holyhead (Valley)	17.2	+2	NW	3	c	56	85	52	7	5	9	-	7-8	9+	600	0	2
	Chester (Sealand)	17.0	+2	NW	2	c	61	55	56	6	7	3	9	4-6	9+	3000	0	*
8	Manchester ...	16.9	+2	-	0	2o	59	85	55	5	-	3	9	0	7-8	-	0	*
10	Spurn Head ...	16.4	+2	N	3	bc	60	85	54	7	-	4	2	0	2-3	-	0	3
	Catterick ...	17.2	++	NNE	2	c	60	85	54	7	5	7	3	1	9+	-	0	*
	Tynemouth ...	17.4	+6	NW	1	bc	57	85	53	6	2	3	1	4-6	4-6	2800	1	2
11	St. Abbs Head	16.5	+6	W	2	bc	54	85	49	9	+	+	-	1	4-6	3500	0	2
13B	Leuchars ...	15.9	0	SW	3	c	53	85	49	8	5	-	4	Tr	7-8	3000	1	*
12	Renfrew (Abbots I.)	17.1	++	-	0	2o	53	92	52	6	5	-	1	7-8	9	3500	1	*
	Eskdalemuir ...	16.9	+2	-	0	bc	54	85	49	8	7	7	2	1	4-6	2700	1	*
	Point of Ayre ...	17.4	+6	NW	2	c	56	92	53	8	5	4	8	4-6	9	4000	0	2
13A	Tiree	15.3	+1	WSW	3	c	54	92	51	8	5	-	-	9	9	2500	0	4
13B	Stornoway ...	10.9	+8	SSW	4	pr	52	75	42	6	5	7	-	7-8	9+	2000	1	2
15	Dalwhinnie ...	14.8	−4	WSW	3	c	50	85	45	7	5	-	-	9+	9+	2500	1	*
	Aberdeen † ...	14.9	−2	W'S	2	bc	56	65	45	8	5	+	6	Tr	4-6	2500	1	
	Wick ...	13.3	−2	S'W	3	c	52	85	48	9	5	7	-	7-8	9+	2500	1	*
16	Sumburgh ..	13.3	+2	SE	2	c	51	97	49	8	8	8	-	9	9+	2500	1	*
17	Blacksod Point	17.8	+4	-	0	dcb	56	97	56	7	6	2	-	4-6	10	800		1
18	Malin Head ...	17.0	+6	SW	3	c	55	85	51	8	5	-	-	7-8	7-8	1500	0	2
	Aldergrove ...	18.1	+2	W	1	c	54	85	50	8	8	-	-	9+	9+	1000	0	*
19	Birr Castle ...	18.9	+2	SW	1	c	53	92	51	8	5	-	-	7-8	7-8	2500	0	*
20	Valentia Obsy.	20.1	+6	W	3	c	57	92	55	8	5	-	-	10	10	4000	0	3
	Roches Point	19.6	+2	NNW	3	bc	54	85	50	8	-	3	5	0	4-6	-	0	2

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F. (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 22nd Hrs. (38)
1	London (Kew)	81	56	43	-	-	14.2
	Croydon ...	79	54	50	-	Tr	14.6
	S. Farnborough	80	53	39	-	-	14.6
	Boscombe Down	77	49	41	-	Tr	13.3
	Thorney Island	77	51		-		*
	Lympne ...	76	55		-	-	14.7
	Manston ...	72	59	55	-	-	13.9
2	Shoeburyness ...	73	54	47	-	-	14.0
	Felixstowe ...	69	58	52	-	-	13.3
	Gorleston ...	65	58	52	-	-	11.9
	Mildenhall ...	80	53	47	-	-	12.7
	Cranwell ...	78	53	44	-	-	10.1
3	Birmingham ...	80	56	50	-	-	11.8
	Upper Heyford	78	54	47	-	-	*
4	Ross-on-Wye	79	53	45	-	-	8.8
5	Hartland Point	66	56	52	-	-	14.3
	Bristol ...	78	51	43	-	-	11.4
	Portland Bill ...	63	53	*	-		*
	Plymouth ...	69	54	47	-	-	13.4
	The Lizard ...	68	53	*	-	-	14.0
	Scilly (St. Mary's)	65	45	*	-	-	8.9
	Guernsey ...						
6	Pembroke ...	62	49	*	-	-	13.0
7	Holyhead (Valley)	63	55	50	-	-	*
	Chester (Sealand)	78	51	43	-	-	8.5
8	Manchester ...	79	52	47	-	Tr	*
10	Spurn Head ...	67	50	*	-	-	9.6
	Catterick ...	78	55	51	-	Tr	8.8
	Tynemouth ...	70	55	52	Tr	-	*
11	St. Abbs Head	69	53	*	0.1	5	*
13B	Leuchars ...	69	45	43	0.4	Tr	2.9
12	Renfrew (Abbots I.)	64	44	38	1	0.1	0.8
	Eskdalemuir ...	64	40	32	Tr	-	6.3
	Point of Ayre ...	71	50	*	-	-	3.8
13A	Tiree	58	52	*	1	-	7.5
13B	Stornoway ...	58	51	*	6	2	5.2
15	Dalwhinnie ...	63	40	31	0.2	-	2.8
	Aberdeen † ...	68	46	36	1	-	3.0
	Wick ...	64	47		2	0.2	*
16	Sumburgh ..	57	49	45	1	-	0.1
17	Blacksod Point	61		*	-		*
18	Malin Head ...	60	58	52	1	-	7.6
	Aldergrove ...	65	45	35	0.1	-	2.8
19	Birr Castle ...	68	43	38	Tr	-	5.4
20	Valentia Obsy.	62	54	49	-	-	11.2
	Roches Point	68	51	*	0.4	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 22nd June ... 18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 23rd June ... 07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
100	57	22745	11467	62	61646	91668
115	--	67209	12289	53	02844	20568
203				8-	02848	16428
206	32	22865	06168	84	01964	23364
210	87	81764	21286	83	01963	22484
220				70	01944	19404
230	62	54534	18068	8-	01944	18354
245	9-	81753	20487	87	02765	22387
260				57	02755	21387
278	5-	61855	19365	5-	22857	20367
279	26	02762	22524	57	02654	22326
285	53	05145	18516			
288	20	08663	18313	2-	05656	22226
5758	8-	02857	28257	20	00852	26312
301	20	05663	29313	03	00890	30211
321	70	05655	15415	2-	01664	17314
299	50	01664	20104	50	01663	16303
292	2-	05663	14115	8-	05667	14217
310						
6143	3	05662	18214	12	05663	16213

III	13h. G.M.T. 22nd June ... 18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 23rd June ... 07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	10	00761	18202	07	02890	18215
334	--	01672	04203			
340	18	19326	18076	2-	17665	32315
336	08	05690	16215	09	02790	16426
336	13	01763	16418	10	01762	24412
350	13	05664	14326	08	01762	14314
368				00	00790	24301
379	13	01783	18314	10	00851	26311
390	18	02771	10315	03	01790	18070
382	17	01863	13214	04	00890	15202
438	08	01790	04214	44	01763	04314
430	08	01790	10403	00	01690	12312
409				50	02637	01327

III	13h. G.M.T. 22nd June ... 18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 23rd June ... 07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	57	02835	27127	57	02854	26315
334				--	04447	70017
340	53	05665	29227	50	05643	34315
336	04	01790	13212	08	05690	20212
336				50	01752	32313
350	00	05690	18210	00	05590	20200
368	03	05690	26214	--	48309	24149
379	00	05690	24200	00	05590	02100
390	03	05690	12114	00	08490	23100
382	00	05590	00000	00	05590	24100
438	44	05663	04113	57	01663	00015
430	00	00790	00000	53	05674	00015
409	54	22141	30261	54	00731	01212

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 23rd 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 ...	bcy	bcy	bcbuc	Kew 24 hours ended 7h. Max. Time 0.1 0–7h 23rd; Min. Time 0.1 9–18h 22nd
Croydon ...	bycy	cbcy	bcbuc	
Greenwich ...	bcy	bcy	bcby	
Camden Square	bc	b	*	
Kensington ...	bcy	bcy	*	
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 ...	81	56	43	-	-	14.2	*	*
Croydon ...	79	54	50	-	Tr	14.6	*	*
Greenwich ...	81	55	42	-	-	12.8	35	46
Westminster ...	81	58	54	-	-		41	55
Regents Park ...	81	57	48	-	-		38	52
Camden Square	85	58	51	-	-	*	*	53
Kensington ...	82	58	50	-	-		42	56
Hampstead ...							*	

BRITISH SECTION

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

SECRET

Wednesday 24th June 1942

No. 29434

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)	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)	14.4	-10	WSW	1	bc	78	45	53	7	1	-	-	2-3	2-3	2500
	Croydon ...	14.8	-10	SW	1	bc	81	45	53	7	1	-	-	2-3	2-3	2800
	S. Farnborough	14.3	-6	W'S	3	b	81	35	56	8	1	-	-	1	1	4000
	Boscombe Down	16.3	-6	NNW	3	zo	70	60	58	6	1	-	-	1	1	1500
	Thorney Island	15.5	-2	SSW	3	b	73	55	57	7	-	8	-	0	Tr	-
	Lympne ...	16.0	-10	S	1	b	73	55	56	8	1	-	1	Tr	Tr	5000
	Manston ...	14.7	-6	SE	3	zo	78	45	57	6	3	8	4	Tr	4-6	7200
2	Shoeburyness ...	15.2	-16	SE'E	2	b	74	65	61	5	-	3	-	0	1	-
	Felixstowe ...	15.2	-8	SE'S	3	zo	72	65	60	6	2	4	-	2-3	2-3	4000
	Gorleston ...	16.9	+8	S	3	zo	61	88	55	6	2	3	-	4-6	4-6	3000
	Mildenhall ...	14.6	-8	WSW	2	bc	82	35	52	7	1	-	1	2-3	2-3	4000
	Cranwell ...	15.6	+2	NNE	3	zo	70	66	58	6	1	1	-	4-6	7-8	3500
3	Birmingham ...	16.0	-2	NNW	3	c	72	66	61	7	8	-	-	7-8	7-8	4000
	Upper Heyford	14.8	-6	WNW	1	zo	76	45	51	6	1	-	-	4-6	4-6	2800
4	Ross-on-Wye	15.6	-6	NW	3	bc	73	55	58	7	2	-	2	2-3	4-6	4000
5	Hartland Point	18.3	+6	NNW	3	bc	58	75	51	8	2	4	-	2-3	4-6	2500
	Bristol ...	16.4	-6	W	2	zo	72	65	60	6	2	-	1	2-3	2-3	4000
	Portland Bill ...	17.7	+2	W	1	bc	62	75	57	8	2	-	-	4-6	4-6	4000
	Plymouth ...	17.2	-2	NW'N	4	bc	69	65	57	8	1	5	-	4-6	4-6	3500
	The Lizard ...	18.5	+8	NW	4	bc	63	75	54	8	2	3	-	2-3	4-6	3500
	Scilly (St. Mary's)	20.2	+4	NNW	3	bc	64	75	54	8	8	-	4	2-3	4-6	1500
	Guernsey ...															
6	Pembroke ...	19.8	+10	N'W	4	c	58	85	53	8	1	7	-	2-3	7-8	3000
7	Holyhead (Valley)	18.2	+2	NW	3	c	62	65	51	9	2	6	6	Tr	7-8	3000
	Chester (Sealand)	17.2	+2	NW'W	4	c	64	75	57	8	2	-	6	2-3	7-8	3000
8	Manchester ...	16.1	+2	W'N	3	c	69	65	56	6	2	3	-	7-8	9	3000
10	Spurn Head ...	16.5	+2	NNE	5	bc	61	65	49	7	7	3	-	4-6	4-6	2500
	Catterick ...	16.2	-8	ESE	1	c	70	55	55	7	8	-	-	9	9	3000
	Tynemouth ...	17.7	0	SE	2	c	60	75	51	7	2	3	1	4-6	7-8	2800
11	St. Abbs Head	15.6	-4	W	2	bc	62	65	51	9	1	4	-	4-6	4-6	3000
	Leuchars ...	16.1	-2	W	4	bc	66	55	51	9	1	-	2	4-6	4-6	3500
12	Renfrew (Abbotsl.)	17.3	+2	WNW	3	c	61	65	50	9	5	-	-	9+	9+	2500
	Eskdalemuir ...	15.9	-2	SWW	4	c	64	55	47	8	7	-	1	7-8	7-8	2600
	Point of Ayre ...	18.5	+4	NW'W	3	bc	64	75	55	8	1	-	8	1	2-3	4000
13A	Tiree	17.5	+14	WNW	2	c	56	85	53	7	5	-	-	9+	9+	1500
13B	Stornoway ...	13.7	+24	W	6	c	58	85	52	8	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	15.6	+2	SW	3	o	56	75	49	7	5	-	-	10	10	1500
	Aberdeen ...	13.4	-4	W'N	3	c	70	55	52	8	8	-	8	7-8	7-8	2400
	Wick ...	12.5	-4	NW	3	pr	56	92	53	8	8	4	-	9+	9+	2000
16	Sumburgh ...	11.6	-10	S'W	3	bc	55	85	51	8	5	7	8	4-6	4-6	4500
17	Blacksod Point	20.0	+14	WNW	2	c	61	85	57	8	3	-	-	9+	9+	2500
18	Malin Head ...	18.7	+12	W'N	3	c	57	85	53	8	8	2	-	7-8	10	1500
	Aldergrove ...	18.8	+6	WNW	2	c	62	55	47	8	8	-	-	9	9+	3500
19	Birr Castle ...	19.4	+4	NNW	1	c	63	65	52	8	8	1	-	7-8	10	1500
20	Valentia Obsy.	21.2	+16	WNW	3	c	60	85	56	8	8	-	-	9+	9+	2500
	Roches Point	20.1	0	NNW	2	c	63	75	55	8	8	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 23rd 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)	13.5	+6	NNE	2	bc	81	35	51	8	7	4	1	2-3	4-6	2500	0	*
	Croydon ...	13.7	-6	WSW	2	c	80	23	45	8	4	-	-	7-8	7-8	3500	0	*
	S. Farnborough	13.6	-4	W	3	b	81	25	45	8	-	4	1	0	1	-	0	*
	Boscombe Down	14.9	+2	NNW	4	zo	72	65	58	6	*	7	-	0	2-3	-	0	*
	Thorney Island	14.3	-6	WSW	3	zo	73	65	59	6	-	-	9	0	1	-	0	*
	Lympne ...	15.1	-6	SSW	1	bc	74	55	55	7	-	8	-	0	2-3	-	0	2
	Manston ...	13.9	-6	SSW	1	c	76	55	60	8	2	6	*	2-3	7-8	5700	0	*
2	Shoeburyness ...	13.7	-6	S'E	1	bc	73	75	63	7	-	3	-	0	2-3	-	0	*
	Felixstowe ...	14.3	+6	-	0	c	69	65	56	7	5	7	*	4-6	9	5700	0	1
	Gorleston ...	15.6	+4	NNE	3	zo	62	75	55	6	5	3	-	4-6	7-8	2300	0	2
	Mildenhall ...	15.0	+2	NNE	3	bc	71	55	55	7	-	3	4	0	4-6	-	0	*
	Cranwell ...	16.1	+4	ENE	3	c	63	65	52	8	-	7	-	0	9+	-	0	*
3	Birmingham ...	16.3	+2	NNW	4	bc	67	65	56	7	8	-	1	2-3	4-6	4000	0	*
	Upper Heyford	14.5	+6	NE	3	zo	72	65	53	6	8	6	*	4-6	7-8	2200	0	*
4	Ross-on-Wye	15.0	-4	N	3	bc	73	55	58	7	1	9	9	2-3	4-6	4000	0	*
5	Hartland Point	18.1	+2	NW	3	bc	57	75	49	8	1	-	9	Tr	4-6	2500	0	4
	Bristol ...	16.1	-2	W	3	c	69	65	55	7	-	9	9	0	7-8	-	0	*
	Portland Bill ...	15.3	-16	W	1	bc	57	85	60	8	2	*	*	4-6	4-6	4000	1	2
	Plymouth ...	17.7	+4	NW	4	bc	63	55	48	8	1	-	8	Tr	2-3	3500	0	3
	The Lizard ...	18.7	0	NW	4	bc	61	85	58	8	7	6	-	4-6	4-6	3000	0	4
	Scilly (St. Mary's)	19.9	-2	NW'N	3	bc	60	75	50	8	2	-	9	1	4-6	1800	0	2
	Guernsey ...																	
6	Pembroke ...	19.2	-2	NW'N	4	bc	58	75	51	8	-	7	6	0	4-6	-	0	2
7	Holyhead (Valley)	18.4	+2	N'W	2	b	60	55	45	9	1	-	3	Tr	1	3500	0	2
	Chester (Sealand)	18.3	+8	NW'W	4	c	62	65	51	8	1	8	6	Tr	7-8	3000	0	*
8	Manchester ...	17.1	+6	WNW	3	c	65	55	49	7	-	4	3	0	9	-	0	*
10	Spurn Head ...	16.7	0	NNE	3	c	57	75	47	7	7	3	1	4-6	7-8	4000	0	3
	Catterick ...	14.2	0	NNW	2	c	70	45	49	7	4	-	1	7-8	7-8	3800	0	*
	Tynemouth ...	17.5	+4	SE	3	bc	58	65	47	7	2	3	-	2-3	2-3	2500	1	2
11	St. Abbs Head	16.1	+2	W	3	bc	60	85	54	8	1	-	-	2-3	2-3	3500	0	3
	Leuchars ...	16.2	+6	W	4	c	64	65	52	9	7	-	1	7-8	9	2500	0	*
12	Renfrew (Abbotsl.)	17.8	+4	WNW	3	c	53	75	51	8	5	3	2	9	9+	2000	1	*
	Eskdalemuir ...	17.2	+8	NW	2	bc	61	65	50	8	7	-	1	4-6	4-6	2500	1	*
	Point of Ayre ...	18.6	0	NW	3	b	61	75	54	8	4	4	8	Tr	1	4000	0	2
13A	Tiree	19.5	+6	NNW	2	c	54	65	50	8	5	-	-	9+	9+	1800	0	4
13B	Stornoway ...	16.8	+14	W	5	c/pr	53	92	50	8	5	7	-	7-8	10	2500	1	3
15	Dalwhinnie ...	16.5	+4	W	3	o	53	85	48	7	5	-	-	10	10	1500	1	*
	Aberdeen ...	14.9	+8	NW'N	3	c	64	65	50	8	8	-	-	7-8	7-8	2600	0	2
	Wick ...	14.8	+10	NW	4	bc	56	65	46	9	8	6	-	4-6	4-6	2000	1	*
16	Sumburgh ...	10.9	-2	W'S	3	d	51	97	50	5	5	-	-	10	10	300	4	2
17	Blacksod Point	21.8	+10	NNW	3	c	58	75	50	8	5	-	-	10	10	2500	0	3
18	Malin Head ...	20.0	+8	NNW	4	c	56	85	52	8	2	-	5	4-6	7-8	1500	0	3
	Aldergrove ...	19.6	+8	NNW	3	c	62	65	52	8	5	-	1	9	9	2500	0	*
19	Birr Castle ...	19.6	+2	NNW	1	c	65	75	57	8	5	-	*	7-8	7-8	2500	0	*
20	Valentia Obsy.	21.5	0	NW	3	c	58	85	54	8	8	-	*	10	10	4000	0	3
	Roches Point	19.6	-2	NNW	3	c	61	85	57	8	8	-	*	9	9	1500	0	2

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 23rd (39)	Weather. 13h.—18h. 23rd (40)	Weather. 18h. 23rd to 1h. 24th (41)	Weather. 1h.–7h. 24th (42)
1	London (Kew)	bzobcy	bcbbcy		bcc
	Croydon ...	bzoyby	bcy	bcybcmo	czo
	S. Farnborough	by	by	bycmo	cmobc
	Boscombe Down	ofecmbm	bczo	bzobcc	cpro
	Thorney Island	bzyby	b	bbcbmo	bccbc
	Lympne ...	bczoby	bybcby	bcybbw	bmowcm
	Manston ...	bybczo	bzoczy	cbcbmo	bmobc
2	Shoeburyness ...	bmo	bmob	bmo	bmoc
	Felixstowe ...	bcbmo	bmobcc	cbcmobmo	proctlro
	Gorleston ...	bcmo	bczo	bcmo	bcc
	Mildenhall ...	bzoyby	bcybcbc	bcyczobc	bcmoc
	Cranwell ...	bczo	bczobc	bccmo	bmobzo
3	Birmingham ...	bbc	cbc	cm	bcc
	Upper Heyford	bczozy	bczy	czopro	cprocmo
4	Ross-on-Wye	bc	bcy		bcb
5	Hartland Point	cbc	bc	bcc	cbcb
	Bristol ...	cfcmo	bczob	cbcc	cbc
	Portland Bill ...	bcbc	bcbc	c	c
	Plymouth ...	bc	bcb	cbcc	cbcc
	The Lizard ...	bc	bc	bc	bccbc
	Scilly (St. Mary's)	bc	b	bcbw	bwbc
	Guernsey ...				
6	Pembroke ...	bcc	cbc	bcb	bbc
7	Holyhead (Valley)	bcc	bcy	bvywc	c
	Chester (Sealand)	mocbcc	c	cbcbw	bc
8	Manchester ...	cbczo	czy	bcbmo	bffmw
10	Spurn Head ...	bc	c	bc	bc
	Catterick ...	cmoc	bccy	cyzob	bbc
	Tynemouth ...	c	cbc	bc	bcc
11	St. Abbs Head	bcmo	bmo	bbcc	c
	Leuchars ...	bcbcy	bcybc	bc	bcc
12	Renfrew (Abbotsl.)	cmowc	c	cbc	bcc
	Eskdalemuir ...	bc	bcybc	c	cbcc
	Point of Ayre ...	bccbc	bcb	bbcc	cbcc
13A	Tiree	cido	c	c	o
13B	Stornoway ...	c	cpb	c	c
15	Dalwhinnie ...	cidoo	ocidoo		oc
	Aberdeen ...	bcbcbc	cybc	bcc	cbc
	Wick ...	cpr	prcbc	bcedo	cidc
16	Sumburgh ...	bccbcbc	bccdodo	cdomobcc	cddido
17	Blacksod Point	d	c	c	d
18	Malin Head ...	c	d	d	r
	Aldergrove ...	cbccy	cybcc	ccido	cidocdom
19	Birr Castle ...	c	d		c
20	Valentia Obsy.	pr	pr	bc	bc
	Roches Point	bc	pr	pr	b

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

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 North wind backing Northwest; mainly fair; cooler than of late
7 North Wales 8 N.W. England	Light or moderate Northwest wind; mainly cloudy, cool.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light or moderate Northwest wind; bright intervals, local showers; cool.
12 S.W. Scotland & Isle of Man	As 7-8
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light or moderate Northwest wind; mainly cloudy, local drizzle; 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 7-8.

GENERAL INFERENCE

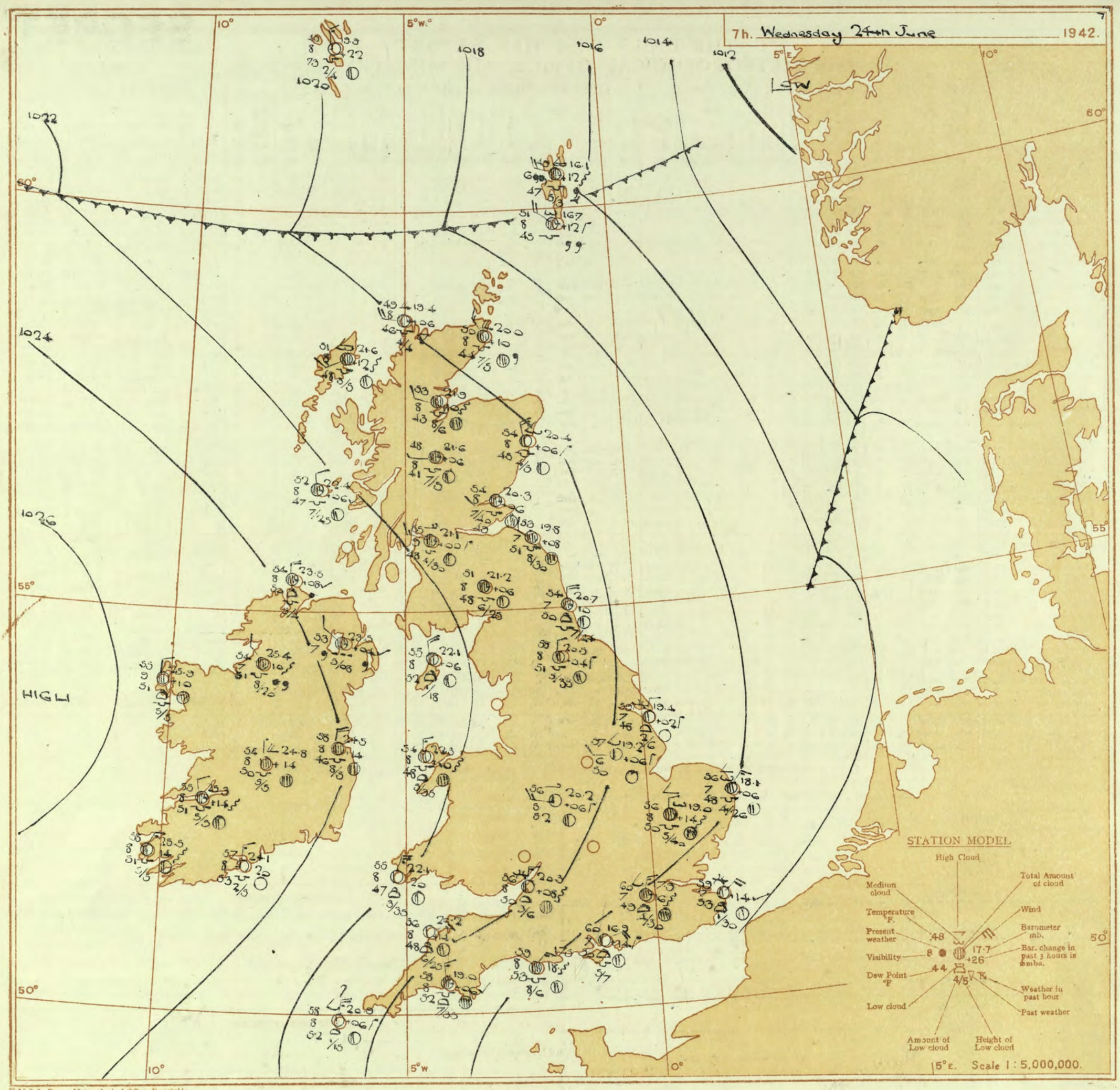
An anticyclone is centred to west of Ireland. Weather will be mainly fair in the South and West and Midlands but there will be local rain in the North. It will be cooler than of late.

FURTHER OUTLOOK

Little change

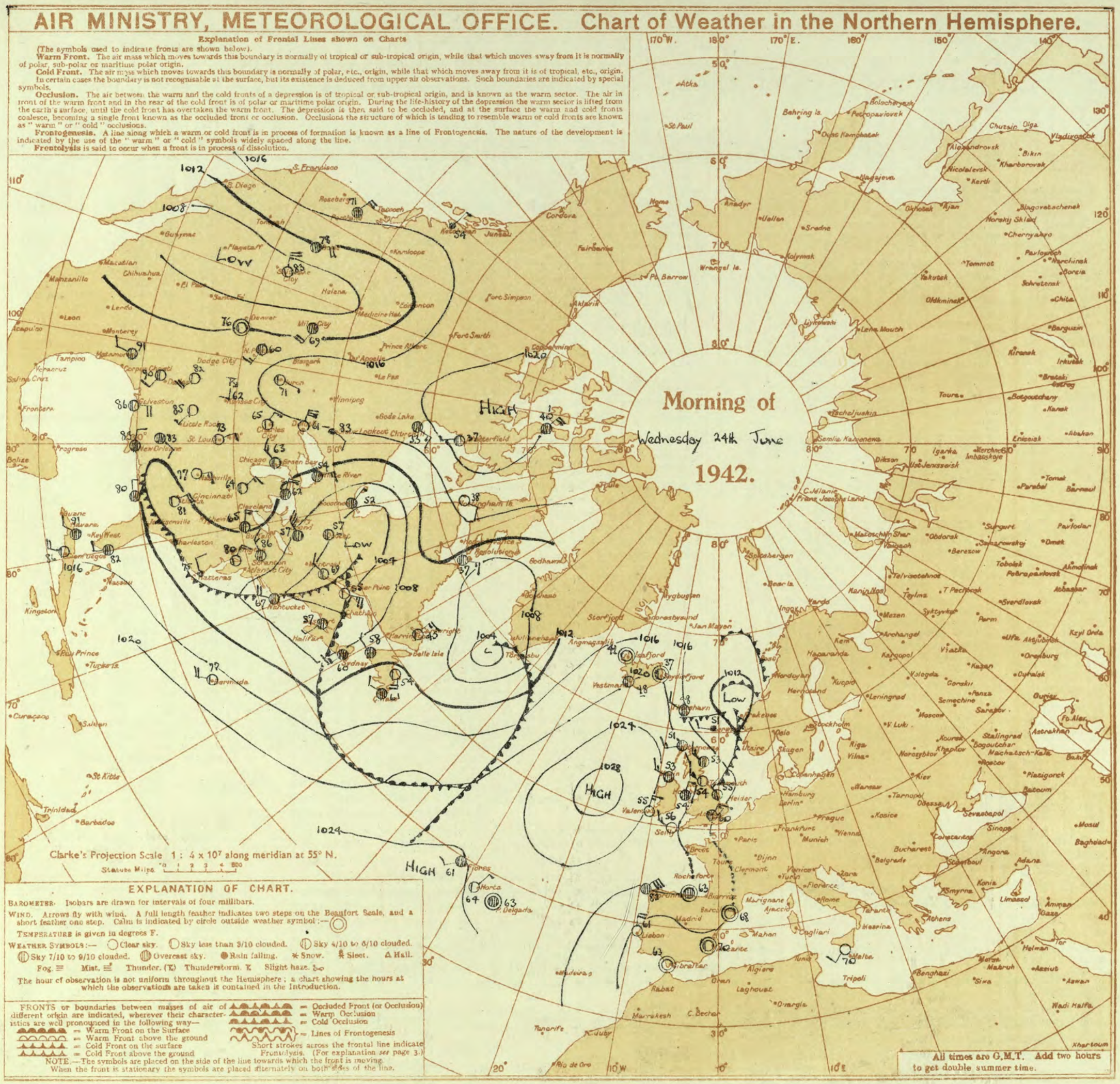
Forecasts issued at 10 30

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



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

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

Page 4.

BRITISH SECTION

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

Wednesday 24th June 1942

No. 29434

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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	290	15·9	+8	N'E	3	Zo	60	85	54	6	–	4	2	0	7-8	–
	S. Farnborough	226	16·3	+6	N'W	2	Zo	60	85	54	6	5	7	–	4-6	9+	4000
	Boscombe Down	417	17·0	+4	N'W	4	c	60	75	53	7	5	–	–	10	10	5700
	Thorney Island	10	15·4	+4	N'E	3	Zo	61	85	56	6	–	–	8	0	2-3	–
	Lympne	283	16·2	+2	NNW	1	Zo	54	92	52	6	–	4	–	0	Tr	–
	Manston	154	15·2	+6	NNE	2	Zo	57	97	56	5	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	15·6	+2	NNE	2	Zo	57	92	54	6	–	7	–	0	2-3	–
	Gorleston	5	17·1	+6	NNE	3	Zo	56	85	52	6	5	4	–	4-6	4-6	2500
	Mildenhall	15	17·1	+6	N	2	Zo	55	85	51	6	5	7	–	2-3	7-8	4000
	Cranwell	203	18·5	+6	NW'N	1	Zo	57	75	50	6	–	2	–	0	10	–
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·7	+6	NNW	2	Zo	58	85	53	6	5	3	–	2-3	7-8	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18·9	+2	NNW	2	c	55	75	44	8	4	–	–	7-8	7-8	2500
	Bristol	209	18·9	+10	NE'N	5	c	57	65	47	8	5	–	–	9	9	4100
	Portland Bill	32	15·9	−8	NW	1	c	59	85	55	8	5	–	–	9	9	4000
	Plymouth	82	18·7	0	NNE	4	c	53	85	49	8	5	3	–	4-6	7-8	3500
	The Lizard	240	20·1	0	NNW	3	bc	52	92	50	8	8	6	–	4-6	4-6	2500
	Scilly (St. Mary's)	163	20·6	−2	NW	5	b	56	97	55	8	–	–	–	0	0	–
	Guernsey	175															
6	Pembroke	142	20·0	0	N	5	b	54	85	49	8	–	4	–	0	Tr	–
7	Holyhead (Valley)	32	20·7	+6	N'E	2	c	54	85	51	9	5	–	–	7-8	7-8	1900
	Chester (Sealand)	16	20·0	+8	WNW	3	b	54	97	52	7	–	–	–	0	0	–
8	Manchester	235	19·7	+2	–	0	Zo	50	92	49	6	–	–	–	0	0	r
10	Spurn Head	29	18·5	+8	N'W	3	bc	55	85	48	7	4	6	1	2-3	4-6	4000
	Catterick	175	19·8	+10	WNW	2	b	52	85	48	7	5	–	–	Tr	Tr	5000
	Tynemouth	108	19·1	+6	NW	3	bc	54	75	48	6	1	–	–	2-3	2-3	2500
11	St. Abbs Head	280	17·8	+4	WNW	4	c	55	85	51	7	5	–	–	9+	9+	2500
	Leuchars	36	19·0	+10	WSW	2	bc	51	92	49	8	5	–	–	4-6	4-6	3500
12	Renfrew (Abbots I.)	19	20·3	+6	NW	2	bc	51	85	48	8	4	4	–	4-6	4-6	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	20·8	+4	NNW	4	c	54	97	53	8	5	*	*	9+	9+	4000
13A	Tiree	22	21·5	+6	NW'N	1	c	52	92	50	8	5	–	–	9	9	2500
13B	Stornoway	80	20·0	+12	WSW	3	c	51	85	47	8	5	7	–	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	18·5	+6	NW	3	c	53	85	49	9	5	3	–	4-6	9+	2500
	Wick	114	18·2	+12	WNW	3	ro ro	50	97	49	6	6	2	–	9+	10	700
16	Sumburgh	19	14·5	+10	WN	4	id.	50	97	50	4	5	–	–	10	10	300
17	Blacksod Point	18	24·5	+6	N	3	o	55	85	51	8	5	–	–	10	10	1500
18	Malin Head	84	22·8	+6	N	3	c	53	85	49	8	8	2	–	7-8	10	1500
	Aldergrove	268	22·9	+14	NNW	2	id.	52	97	50	7	5	–	–	9+	9+	1300
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
20	Valentia Obsy.	30	23·8	+6	N'E	3	bc	55	85	51	8	8	–	–	2-3	2-3	2500
	Roches Point	22	21·7	+6	N'W	4	c	56	85	52	8	5	–	–	7-8	7-8	1500

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)	18·4	+18	NE'N	3	c	61	65	57	7	8	3	–	2-3	9	4000	0	*
	Croydon	17·9	+16	N'E	3	c	60	65	49	7	2	4	–	4-6	9	3000	0	*
	S. Farnborough	18·1	+14	NNE	3	bc	60	65	48	8	–	7	–	0	4-6	–	0	*
	Boscombe Down	18·9	+12	NNW	4	c/pr	56	85	50	8	9	7	–	9	9+	2500	0	*
	Thorney Island	16·9	+14	NE	4	c	60	75	52	7	8	–	–	7-8	7-8	5700	0	*
	Lympne	17·0	+6	NNE	3	Zo	60	85	54	6	–	8	2	0	4-6	–	0	§2
	Manston	17·0	+18	NE	4	bc	59	85	53	7	2	6	6	Tr	4-6	3000	0	*
2	Shoeburyness	18·0	+20	N	3	c	59	75	51	8	5	–	–	9	9	4600	0	*
	Felixstowe	17·5	+14	NNE	3	c	56	85	50	7	8	7	–	9	9+	4000	1	2
	Gorleston	18·1	+6	NE'N	3	c	56	75	48	7	5	7	–	4-6	7-8	2600	0	3
	Mildenhall	19·0	+14	N'E	2	c	56	85	50	8	5	7	–	7-8	9+	4000	0	*
	Cranwell	19·2	+6	W'N	2	Zo	57	75	50	6	–	4	–	0	2-3	–	0	*
3	Birmingham	20·7	+6	NNW	3	Zo	54	85	50	5	5	–	–	9	9	800	0	*
	Upper Heyford	19·3	+14	N'W	4	Zo	55	85	49	5	–	4	8	0	2-3	–	0	*
4	Ross-on-Wye	20·0	+6	N'W	3	c	57	85	51	8	7	–	–	9	9	3500	0	*
5	Hartland Point	20·2	+14	NE	3	bc	56	75	48	8	2	–	–	2-3	2-3	2500	0	3
	Bristol	20·3	+8	N'E	3	bc	56	75	50	8	1	6	–	2-3	4-6	4000	0	*
	Portland Bill	17·5	+18	NE	3	c	59	85	53	8	5	–	–	10	10	4000	1	2
	Plymouth	19·0	+6	NNW	3	c	58	85	52	8	7	–	–	9+	9+	3500	0	2
	The Lizard	19·1	+4	N	4	bc	56	92	54	8	8	6	–	4-6	4-6	2500	0	4
	Scilly (St. Mary's)	20·9	+6	N'E	5	bc	58	85	52	8	1	4	4	Tr	2-3	1500	0	3
	Guernsey																	
6	Pembroke	22·1	+20	NNE	5	bc	55	75	47	8	2	–	–	2-3	2-3	3500	0	3
7	Holyhead (Valley)	22·3	+10	N	5	c	54	75	48	8	7	–	–	7-8	7·8	3500	0	2
	Chester (Sealand)	21·0	+6	NNW	2	c	57	75	50	8	8	–	–	9+	9+	2500	0	*
8	Manchester	20·7	+8	–	0	m/f	51	97	51	4	5	–	–	1	1	3500	0	*
10	Spurn Head	19·4	+2	N'E	2	bc	59	65	48	7	1	6	1	1	4-6	4000	0	2
	Catterick	20·5	+4	N	2	c	58	75	51	8	5	–	–	7-8	7-8	3500	0	*
	Tynemouth	20·7	+10	N	4	c	54	85	50	7	8	–	–	9+	9+	2400	1	2
11	St. Abbs Head	19·8	+8	WNW	2	c	53	92	51	7	5	–	–	10	10	3000	0	3
	Leuchars	20·3	+6	WSW	2	c	54	85	49	8	5	–	–	9+	9+	4000	0	*
12	Renfrew (Abbots I.)	21·1	0	WNW	3	c	55	75	48	9	5	–	2	4-6	9	3000	1	*
	Eskdalemuir	21·2	+6	–	0	c	51	85	48	8	5	–	–	9	9	2500	1	*
	Point of Ayre	22·1	+6	NNW	4	c	55	92	52	8	2	4	6	Tr.	7-8	1800	0	4
13A	Tiree	22·4	+6	N'W	2	c	52	92	47	8	5	–	–	9+	9+	2500	0	4
13B	Stornoway	21·6	+12	WSW	3	c	51	92	48	8	5	7	–	7-8	10	2500	1	1
15	Dalwhinnie	21·6	+6	W	1	c	48	75	41	8	5	–	–	9+	9+	2500	0	*
	Aberdeen †	20·4	+6	NWN	4	bc	54	75	47	8	4	5	–	4-6	4-6	2700	0	3
	Wick	20·0	+10	NW	3	c/d	50	85	44	8	5	2	–	9+	10	2500	1	*
16	Sumburgh	16·7	+12	NW	4	c/d	51	85	45	8	5	3	–	7-8	9	1500	1	3
17	Blacksod Point	25·9	+10	N'W	2	c	55	85	51	9	8	–	–	7-8	7-8	2500	0	2
18	Malin Head	23·5	+8	N	4	c	54	85	54	8	8	–	–	7-8	7-8	1500	1	4
	Aldergrove	23·5	+4	NW	2	id.	53	92	51	7	6	–	–	7-8	9+	800	1	*
19	Birr Castle	24·8	+14	N	1	c	54	85	54	8	5	2	–	7-8	10	2500	0	*
20	Valentia Obsy.	25·5	+14	NNE	3	c	58	75	51	8	5	–	–	7-8	7-8	2500	0	2
	Roches Point	24·1	+20	N	3	b	57	85	53	8	5	–	–	1	1	2500	0	2

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 23rd Hrs. (38)
1	London (Kew)	82	58	53	–	–	13·5
	Croydon	83	58	54	–	–	13·6
	S. Farnborough	83	57	51	–	–	14·2
	Boscombe Down	77	55	52	Tr.	Tr	8·0
	Thorney Island	77	58	55	–	–	*
	Lympne	75	51	*	–	–	13·0
	Manston	81	55	52	–	–	10·8
2	Shoeburyness	78	56	49	–	–	12·5
	Felixstowe	73	56	43	–	4	10·3
	Gorleston	67	55	50	–	–	8·5
	Mildenhall	83	52	45	–	–	13·9
	Cranwell	73	53	47	–	–	10·5
3	Birmingham	74	51	47	–	–	7·1
	Upper Heyford	77	53	52	–	Tr	*
4	Ross-on-Wye	75	52	48	–	–	10·5
5	Hartland Point	61	54	51	–	–	10·5
	Bristol	73	53	44	–	–	8·4
	Portland Bill	62	55	*	–	–	*
	Plymouth	71	52	46	–	–	13·5
	The Lizard	67	51	*	–	–	13·7
	Scilly (St. Mary's)	64	55	*	–	0·1	15·3
	Guernsey						
6	Pembroke	62	54	*	–	–	9·9
7	Holyhead (Valley)	65	51	45	–	–	*
	Chester (Sealand)	66	54	48	–	–	11·8
8	Manchester	71	46	39	–		*
10	Spurn Head	62	53	*	–	–	11·7
	Catterick	74	50	45	–		8·7
	Tynemouth	63	52	50	–	–	*
11	St. Abbs Head	64	53	*	–	–	*
	Leuchars	66	50	46	–	–	12·6
12	Renfrew (Abbots I.)	62	47	41	–	Tr	2·9
	Eskdalemuir	66	40	33	–	–	13·4
	Point of Ayre	66	52	*	–	–	13·7
13A	Tiree	57	50	*	[illegible]	0·5	0·4
13B	Stornoway	58	49	*	0·3	–	1·8
15	Dalwhinnie	59	46	41	Tr	–	4·9
	Aberdeen †	71	52	49	–	–	10·7
	Wick	60	47	42	4	0·2	*
16	Sumburgh	56	49	47	Tr	Tr	5·6
17	Blacksod Point	62	53	*	0·4	Tr	*
18	Malin Head	59	50		Tr	0·6	2·9
	Aldergrove	67	50	46	–	0·1	8·9
19	Birr Castle	66	50	47	Tr	–	3·0
20	Valentia Obsy.	61	53	46	0·1	Tr	0·7
	Roches Point	66	55	*	0·2	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.

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	8-	02854	23484	8-	02856	27526	5-	52518	26458	52	51646	26458
115	52	02735	20468				52	02734	24487	52	02844	24487
203							5-	02848	24328			
206	8-	25964	22588	8-	02966	24326	5-	02867	26327	5-	02868	25228
210	86	02954	53425	46	01854	24415	5-	02846	25426	5-	02967	24327
220	52	21635	27458							52	02854	28328
230	5-	51745	18428	62	21627	24358	52	21846	24258	5-	53858	22328
245	20	02965	23415	86	02966	24016	50	00962	25112	8-	02966	20126
260	16	01764	21214	7-	02756	21216	53	02743	21114	5-	02758	21218
278	14	00863	31313	70	00863	30403	53	02844	28426	5-	51857	28427
279	20	02963	22425	11	01963	26314	5-	02865	28325	5-	02857	28327
285										5-	02747	30217
288	04	01790	01213	19	05651	01226	54	08462	26213	03	05580	21112
575	8-	02747	24127	20	00952	28323	5-	02858	20128	5-	21758	28258
301	20	02861	30426	00	00991	28314	50	00751	30217	7-	02768	30428
321	80	02765	02326	53	02863	08226	52	01764	00025	50	05674	30324
299	54	05653	32314	54	02354	32215	5-	01764	00004	57	02764	04215
292	23	02865	31115	8-	02965	12227	50	01763	28323	53	01663	28214
310										--	01644	26314
614	10	06584	10216	2-	05667	04327	57	05574	00027	58	05684	30218

13h. G.M.T. 23rd June ... 18h. G.M.T. ... 01h. G.M.T. 24th 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
333	20	02853	30415	40	01961	30313	5-	00852	32102	5-	02856	02326
334	--	02754	26216				52	02734	24487	--	03647	02228
340	15	02863	28316	46	02871	32427	00	05690	30200	2-	02745	31215
135	00	05690	02300	09	05690	32415	03	02790	14128	58	01784	02314
336				13	01753	24415				10	01762	32312
350	10	01663	26213	87	92763	02325	5-	05668	30328	53	05664	31325
368	20	01752	22444	23	01963	21414	53	02866	00027	04	00890	07112
379	20	05654	04214	43	05664	32315	5-	05655	32425	04	05690	02411
390	10	05661	19201	53	05662	32204	03	05690	32315	57	05664	32326
388	86	00763	26103	8-	05667	30227	5-	02864	32324	57	05664	01226
438	00	00690	24300	04	01790	24302	00	05690	02413	84	02654	04415
430	00	00730	22400	00	00790	18301	03	05690	04305	83	02665	32326
409	53	01843	30324	14	01952	30413	04	00890	31301	54	01854	02424

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
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	bzbcy	bcbcy	bbc
Croydon	bz..y	bcy	bcybcm
Greenwich	bc	bbccy	cy
Camden Square	b	b	*
Kensington	bcz	bc	*
Hampstead	bc	bc	

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0·1 Time 2-7h 24th.
Min. 40·1 Time 10-18h 23rd.

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	82	58	53	-	–	13·5	*	*
Croydon	83	58	54	–	–	13·6	*	*
Greenwich	85	37	48	–	-	11·5	31	53
Westminster	83	57	55	-	-		37	58
Regents Park	84	58	54	-	-		40	55
Camden Square	85	58	54	*	*	*	*	55
Kensington	84	59	56	-	*		40	57
Hampstead	80	65	63	–	–		*	68

SECRET

Page 1 BRITISH SECTION

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

Thursday 25th June 1942

No. 29435

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)	19·3	+2	NE'N	3	c	69	45	48	7	1	-	6	Tr	7-8	4000
	Croydon	19·0	+2	NE	3	bc	68	55	50	7	1	3	-	2-3	4-6	3000
	S. Farnborough	19·3	0	NNE	3	bc	69	45	47	8	1	-	-	Tr	Tr	3000
	Boscombe Down	19·3	-4	NE'E	3	bc	72	45	50	7	1	-	-	2-3	2-3	3500
	Thorney Island	18·4	+2	NE	3	b	72	45	50	7	-	3	-	0	Tr	-
	Lympne	18·9	+6	NNE	4	bc	66	55	50	8	-	4	3	0	4-6	-
	Manston	18·9	+6	NNE	4	c	61	86	57	7	8	7	-	7-8	9	5700
2	Shoeburyness	19·3	-4	E'N	3	c	65	65	54	8	5	-	-	7-8	7-8	3500
	Felixstowe	19·2	+6	N'E	2	c	65	55	52	8	1	7	-	Tr	9	4000
	Gorleston	19·4	0	NNE	4	c	60	75	50	7	5	7	-	4-6	7-8	2200
	Mildenhall	19·7	-2	N'E	3	bc	69	55	50	8	1	-	2	2-3	4-6	4000
	Cranwell	20·0	-6	NW	1	c	68	55	53	7	2	-	-	7-8	7-8	3500
3	Birmingham	20·8	+2	NW	3	bc	66	55	51	8	1	-	1	4-6	4-6	2500
	Upper Heyford	19·5	-2	NNE	2	z	72	45	50	6	2	-	-	7-8	7-8	3000
4	Ross-on-Wye	20·5	0	N	3	bc	68	55	53	8	1	-	1	4-6	4-6	4000
5	Hartland Point	21·4	0	N	4	bc	58	75	50	8	1	-	4	Tr	2-3	2500
	Bristol	20·8	+4	NNE	3	bc	70	55	52	8	1	-	-	4-6	4-6	2500
	Portland Bill	19·4	+4	NE	3	c	67	55	52	8	2	-	-	7-8	7-8	4000
	Plymouth	20·1	+6	N'W	4	b	69	55	54	8	2	-	-	1	1	4000
	The Lizard	20·3	0	N	5	bc	63	75	54	8	2	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	22·7	+6	NNE	5	bc	59	75	51	8	5	-	3	2-3	2-3	1800
	Guernsey															
6	Pembroke	23·6	+6	WSW	6	bcq	61	65	52	8	2	4	3	2-3	4-6	3500
7	Holyhead (Valley)	23·7	+2	NNW	4	c	59	76	49	9	8	-	-	4-6	9+	2500
	Chester (Sealand)	22·5	+6	NW	4	c	59	75	51	8	5	-	-	9+	9+	2500
8	Manchester	21·6	+2	W'S	3	c	63	65	51	6	2	6	-	7-8	7-8	2500
10	Spurn Head	21·3	+8	ENE	4	bc	61	65	50	7	7	2	1	2-3	4-6	2500
	Catterick	21·4	-2	NNE	3	zo	64	65	51	6	1	3	-	4-6	9+	2800
	Tynemouth	23·2	+4	NE	3	c	56	75	49	8	8	-	-	9	9	2400
11	St. Abbs Head	21·3	+2	E	1	o	55	85	49	7	5	-	-	10	10	2500
	Leuchars	21·1	0	W	1	c	67	45	47	9	1	3	8	4-6	7-8	4000
12	Renfrew (Abbots I.)	22·1	+2	WNW	4	bc	62	55	46	9	1	-	2	2-3	4-6	2500
	Eskdalemuir	21·9	+4	W'N	3	c	58	55	43	8	5	-	-	9+	9+	2500
	Point of Ayre	23·5	+4	NW'N	4	c	58	75	50	8	5	-	-	9+	9+	6000
13A	Tiree	24·6	+6	NNW	2	c	56	75	47	8	5	-	-	9+	9+	2800
13B	Stornoway	23·8	+18	NW	4	c	53	92	51	8	6	2	-	7-8	10	2500
15	Dalwhinnie	23·1	+4	SW	1	c	54	65	42	8	5	-	-	9+	9+	2500
	Aberdeen	21·5	+4	NNW	5	c	58	65	46	8	7	-	-	7-8	7-8	2800
	Wick	21·4	+6	WNW	3	qjp	53	75	46	8	8	-	-	7-8	10	1300
16	Sumburgh	19·8	+16	N'W	4	c	52	85	46	3	8	-	-	9+	9+	1500
17	Blacksod Point	27·1	+2	NW	3	c	59	85	55	9	8	-	-	10	10	2500
18	Malin Head	25·1	+10	NW'N	3	c/d	54	75	46	8	8	-	-	10	10	1500
	Aldergrove	24·8	+4	NW'N	3	c	57	65	44	9	8	-	-	10	10	2500
19	Birr Castle	25·3	-4	N	1	c	63	65	52	8	8	2	-	7-8	10	1500
20	Valentia Obsy.	26·4	+6	N	4	bc	63	65	52	9	7	-	4	1	4-6	4000
	Roches Point	25·5	+6	N	3	m	62	75	54	1	5	4	-	4-6	4-6	4000

OBSERVATIONS at 18h. G.M.T. 24th 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)	18·9	-4	NE	2	bc	71	45	49	7	8	-	-	4-6	4-6	2500	0	•
Croydon	19·2	0	ENE	3	bc	69	55	53	8	4	-	-	4-6	4-6	3200	0	•
S. Farnborough	19·0	-4	ENE	2	c	72	45	51	8	2	-	-	7-8	7-8	4000	0	•
Boscombe Down	19·4	+2	N	3	bc	71	55	53	6	1	-	-	4-6	4-6	4000	0	•
Thorney Island	19·1	+6	SE	3	bc	70	65	56	8	1	6	-	Tr	2-3	4000	0	•
Lympne	20·3	+6	NE	4	bc	62	65	49	8	-	3	-	0	2-3	-	0	3
Manston	20·1	+8	NE	4	bc	58	92	55	8	1	3	-	1	4-6	2500	0	§ •
Shoeburyness	20·2	+8	NE'E	4	bc	61	75	53	8	-	3	-	0	4-6	-	0	•
Felixstowe	20·2	+8	NE'E	5	bc	59	75	49	8	-	1	-	0	4-6	-	0	1
Gorleston	21·3	+8	NE'N	3	b	60	75	49	7	-	-	-	0	0	-	0	3
Mildenhall	20·4	+6	NE'N	3	c	67	55	58	8	1	3	-	Tr	7-8	3000	0	•
Cranwell	20·6	+2	E'S	3	bc	60	75	51	8	2	6	-	2-3	4-6	3500	0	•
Birmingham	21·7	+6	NW	4	b	62	65	51	8	-	-	-	0	0	-	0	•
Upper Heyford	19·7	+6	N'W	3	zo	67	65	53	6	1	-	-	2-3	2-3	3500	0	•
Ross-on-Wye	21·1	+4	N	3	b	65	55	50	8	1	-	1	Tr	Tr	4000	0	•
Hartland Point	21·8	+4	NNE	4	bc	58	75	50	6	-	-	4	0	2-3	-	0	4
Bristol	21·1	+4	N'W	4	b	70	55	51	8	-	-	1	0	Tr	-	0	•
Portland Bill	19·8	+2	SW	2	c	65	75	58	8	5	-	-	9	9	4000	0	2
Plymouth	20·6	+2	N'W	3	bc	68	65	54	8	1	-	1	1	2-3	4000	0	3
The Lizard	20·7	+2	N	6	bc	61	75	52	8	7	-	-	2-3	2-3	3500	0	4
Scilly (St. Mary's)	23·1	+4	N'E	5	bc	58	75	48	8	-	4	3	0	2-3	-	0	3
Guernsey																	
Pembroke	23·8	+6	N'E	6	bcq	59	65	48	8	7	4	4	2-3	4-6	3500	0	3
Holyhead (Valley)	24·0	+2	NNW	3	c	57	75	48	9	7	3	-	4-6	7-8	3000	0	2
Chester (Sealand)	22·8	+2	NW'W	4	bc	59	65	48	8	7	-	-	4-6	4-6	2500	0	•
Manchester	21·9	+4	WNW	4	bc	62	65	50	8	4	-	2	1	4-6	4000	0	•
Spurn Head	22·0	+6	NE	3	bc	56	85	49	7	4	4	-	2-3	2-3	4000	0	3
Catterick	22·2	+2	NNE	3	zo	59	75	51	4	5	-	-	4-6	9	4000	0	•
Tynemouth	23·4	+2	NE	3	c	54	85	49	8	8	-	-	9+	9+	3500	1	2
St. Abbs Head	21·7	+4	ESE	2	c	54	85	50	8	5	-	-	9	9	3000	0	2
Leuchars	22·2	+10	SE	3	c	57	75	49	9	5	-	-	9+	9+	3500	0	•
Renfrew (Abbots I.)	22·6	+6	WNW	4	bc	62	55	48	9	5	4	1	1	2-3	3500	0	•
Eskdalemuir	21·7	0	WNW	2	c	59	65	44	8	5	-	-	7-8	7-8	2200	1	•
Point of Ayre	23·9	0	NW'N	5	bc	57	85	52	8	4	3	-	Tr	2-3	2000	0	4
Tiree	25·2	0	NNW	2	c	54	85	48	8	5	-	-	9	9	3500	0	3
Stornoway	25·7	+10	NE	3	c/ro	50	97	49	8	5	2	-	7-8	10	2000	1	1
Dalwhinnie	24·9	+6	N	3	c	54	55	40	8	5	-	-	9+	9+	2500	0	
Aberdeen	23·1	+10	N'E	4	c/r	54	75	47	8	9	-	-	9	9-	1600	0	2
Wick	24·0	+14	NW	3	c	51	75	43	8	2	3	-	7-8	7-8	2500	1	•
Sumburgh	22·0	+14	NW	4	bc	49	65	38	8	5	-	-	4-6	4-6	2000	0	3
Blacksod Point	28·0	+4	NW	3	c	56	85	52	8	8	-	-	9+	9+	1500	1	3
Malin Head	25·8	+6	NW	4	c	54	75	47	8	8	-	-	9+	9+	2500	1	3
Aldergrove	25·8	+8	NW'N	4	c	58	65	45	8	7	-	-	7-8	7-8	3500	0	•
Birr Castle	25·6	+2	N	2	c	62	65	51	8	5	-	-	9	9	2500	0	•
Valentia Obsy.	26·9	+2	N	4	c	62	75	54	9	7	-	2	1	7-8	2500	0	3
Roches Point	25·5	0	N	3	c	63	75	55	9	5	-	-	9	9	4000	0	2

PAST 24 HOURS.

Stations	Weather 7h.—13h. 24th (39)	Weather 13h.—18h. 24th (40)	Weather 18h. 24th to 1h. 25th (41)	Weather 1h.–7h. 25th (42)
London (Kew)	cbcy	bcy	bcyc	cz
Croydon	cbcy	bycy	bcybc	czc
S. Farnborough	bccyby	bbccy	cypzbcc	c
Boscombe Down	cbcy	cycbcy	bc cbc	cb c
Thorney Island	bcy	bbcyb	bybcc	c
Lympne	bcmobcy	bcy	bcb	bwbc
Manston	bcc	cbc	bcbm	bcc
Shoeburyness	c	cbcv	bcvb	b,cw
Felixstowe	cprotlroc	cbc	bcbb	cbcbb
Gorleston	c	bcb	bcw	bcwc
Mildenhall	cbct	bcybybcy	cbcc	cbcc
Cranwell	bczo	bczobcb,cb	cccro	c
Birmingham	cbc	bcb		
Upper Heyford	bczoczo	bczoy	bczobm	czc
Ross-on-Wye	cbc	bcyb	bw	bwc
Hartland Point	bc	bc	bcb	bbc
Bristol	bcbbc	bcby	bybb	bbcw
Portland Bill	c	c	bcc	bcbc
Plymouth	cbcb	byb	bm	bcb
The Lizard	bc	bc	bc	bc
Scilly (St. Mary's)	b	bccbc	bcb	b
Guernsey				
Pembroke	bcq	bcw	bcb	bcc
Holyhead (Valley)	c	c	bcb	bwbc
Chester (Sealand)	c	c	bc	bcc
Manchester	cbczo	czob	cbcm	bccm
Spurn Head	bc	cbc	bc	c
Catterick	cbcczo	czoccm	cfcm	cz
Tynemouth	c	c	c	c
St. Abbs Head	coc	cbcc	c	cbc
Leuchars	cbcy	bcycc	c	cbcbw
Renfrew (Abbots I.)	cbcy	bcy	bfgbc	bcw
Eskdalemuir	c	cbc	bcc	cbcw
Point of Ayre	c	cbc	bcb	bbcb
Tiree	c	c		bc
Stornoway	cpro	cdodoroto	bcbbc	cbc
Dalwhinnie	c	cy		c,b
Aberdeen	cbcc	bciro	cbcc	c
Wick	idorrcjp	cprobc	cbcc	c
Sumburgh	c	cbc	bccpqv	ci do c
Blacksod Point	c	c	c	c
Malin Head	d	c	c	bc
Aldergrove	cidopro	c	cbc	cbbc
Birr Castle	c	c		c
Valentia Obsy.	bc	bc	bc	c
Roches Point	bc	bc	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 25th June, 1942.

Districts	Forecast
1 S.E. England; 2 E. England	Light or moderate Northerly winds; Cloudy on east coast with a few slight showers, Bright intervals inland; Rather cool on east coast, average temperature inland.
3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands	Light or moderate Northerly winds; Cloudy and bright periods; average temperature.
10 N.E. England; 11 S.E. Scotland	As 1-2.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland	Light variable winds; Fair, with some bright periods; average temperature.
14 Mid Scotland; 15 N.E. Scotland	Light or moderate Northwesterly winds; Mainly cloudy with occasional rain; rather cool.
16 Orkneys and Shetlands	As 14-15.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 3-9.

GENERAL INFERENCE

An anticyclone centred to the west of Ireland will maintain dry weather over the greater part of the British Isles. Minor troughs of low pressure moving southeastwards round the northern and eastern sides of the anticyclone will, however, give some slight local rain or showers in extreme northern and eastern districts. It will be rather cool near the east coast, but temperature will be about normal elsewhere.

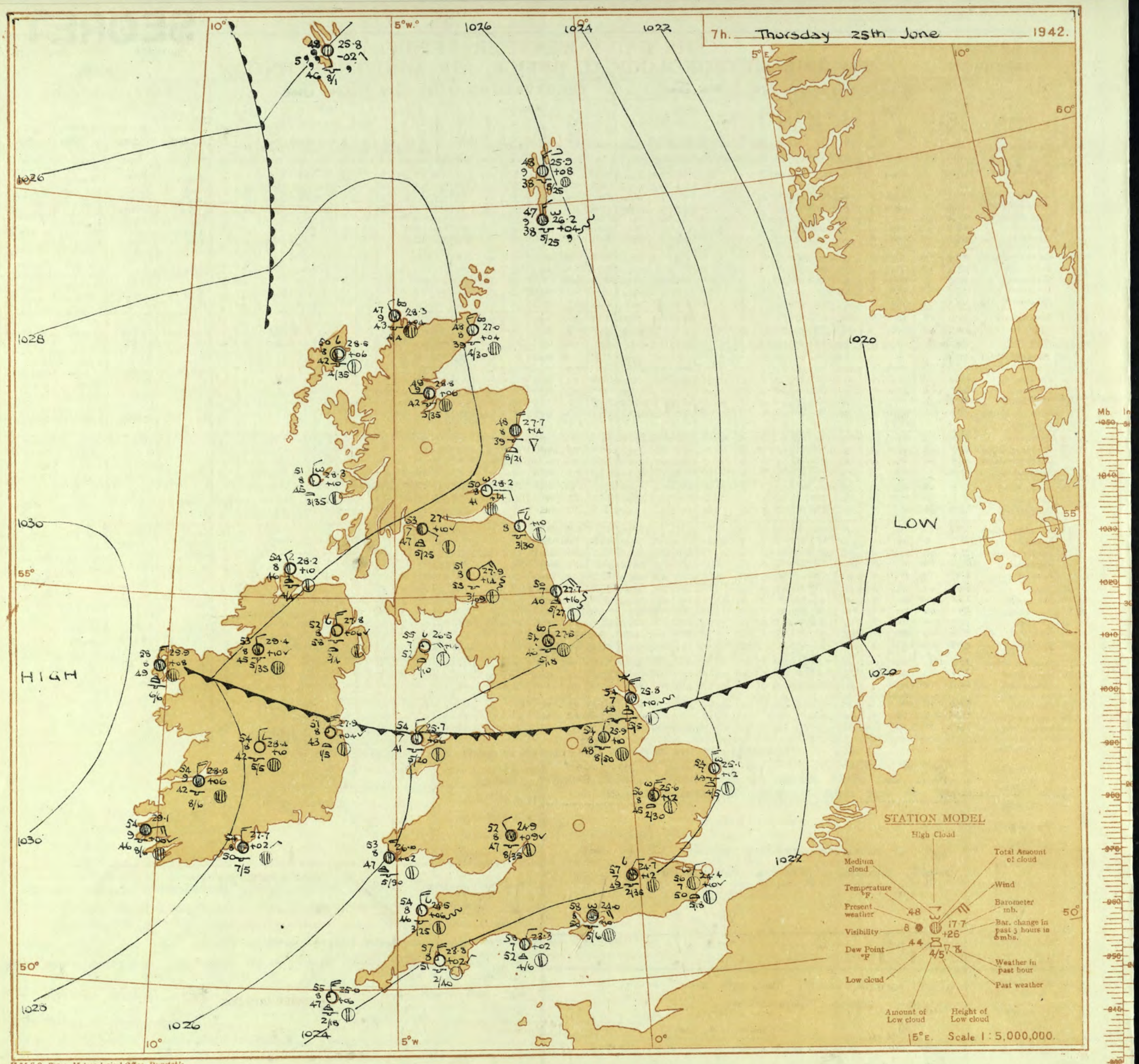
FURTHER OUTLOOK

Similar.

Forecasts issued at 10.30.

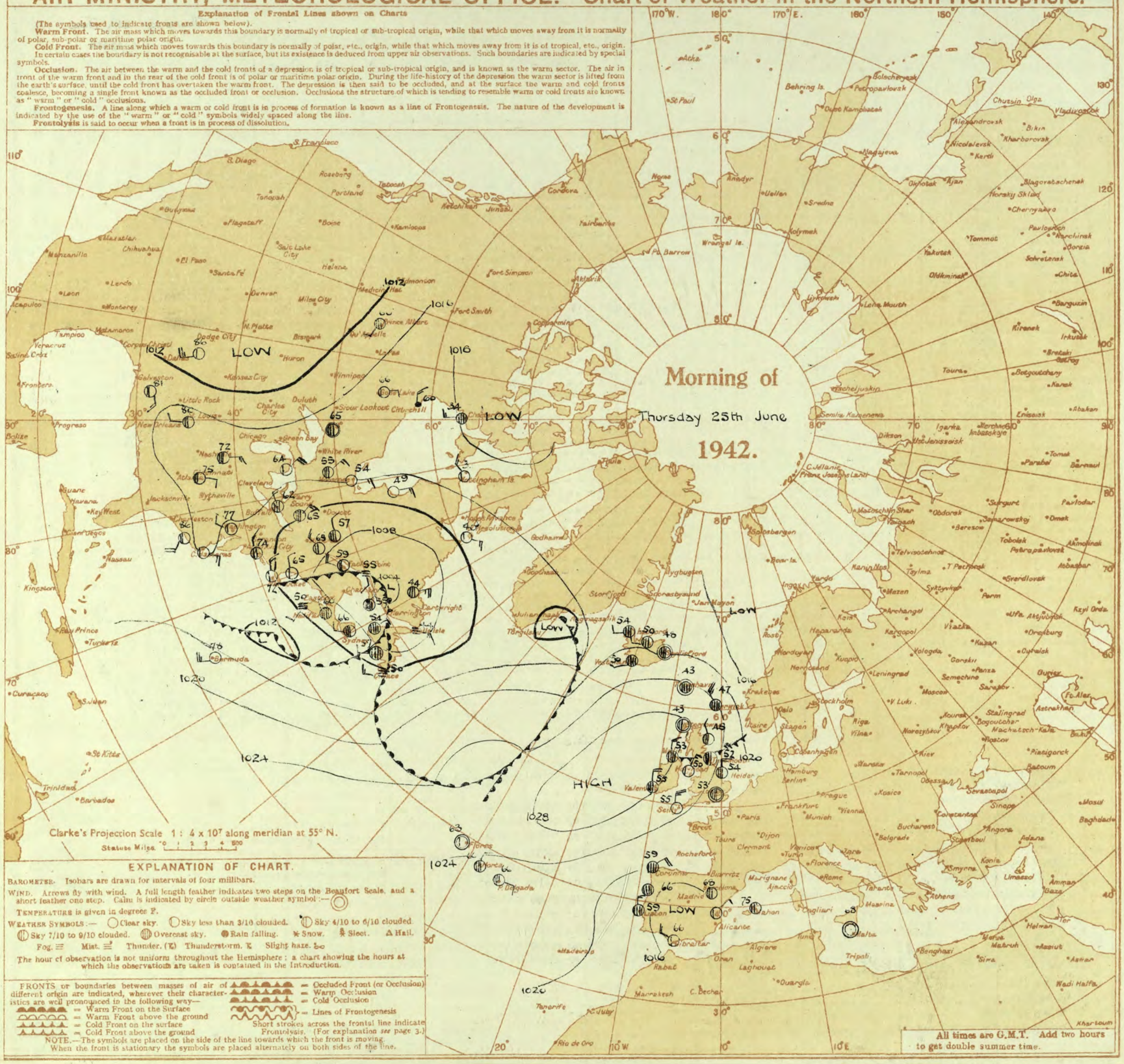
N. K. JOHNSON, D.Sc., A.R.C.S., Director.

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



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

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Thursday 25th June 1942

No. 29405

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	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon ...	290	22.6	+8	-	0	c	53	92	51	7	5	3	-	4-6	7-8	4000
	S. Farnborough	226	22.9	+16	E'N	1	c	57	75	49	7	8	1	8	4-6	10	3600
	Boscombe Down	417	22.8	+10	N	3	3	54	85	49	6	4	-	-	7-8	7-8	1800
	Thorney Island	10	22.3	+10	E'N	2	c	59	75	51	8	5	3	-	9	9+	4000
	Lympne ...	283	22.7	+6	NNW	1	b	48	97	47	8	-	-	1	0	Tr	-
	Manston ...	154	22.3	+6	NE	1	3	52	92	51	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	22.5	+6	NNW	2	b	50	87	49	8	-	-	-	0	0	-
	Gorleston ...	5	22.8	+10	NNW	3	bc	52	85	48	7	5	-	-	4-6	4-6	2500
	Mildenhall ...	15	23.4	+10	-	0	c	51	85	50	8	5	-	-	9	9	5300
	Cranwell ...	203	23.9	+6	NE	2	b	54	80	51	7	5	2	-	7-8	10	3000
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22.8	+6	NNW	3	3	52	83	48	6	4	-	-	2-3	2-3	5700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	23.7	+4	NNE	4	b	55	75	48	8	-	-	-	0	0	-
	Bristol ...	209	24.1	+10	NNE	3	b	52	85	46	8	-	4	-	0	1	-
	Portland Bill ...	32	22.5	+18	N	1	c	59	85	55	7	5	-	-	10	10	2500
	Plymouth ...	82	23.0	+10	NE	2	b	55	85	51	6	-	-	-	0	0	-
	The Lizard ...	240	22.5	+4	N	5	bc	54	85	50	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	24.3	+2	N	5	b	55	85	50	8	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	25.2	+6	N'E	3	b	51	92	49	8	-	-	-	0	0	-
7	Holyhead (Valley)	32	24.9	-2	N'E	3	b	50	85	45	8	5	-	-	Tr	Tr	2500
	Chester (Sealand)	16	24.1	-2	N'N	3	bc	53	85	49	7	5	-	-	4-6	4-6	4000
8	Manchester ...	235	23.6	+2	-	0	bc	51	92	49	6	5	-	-	2-3	2-3	4000
10	Spurn Head ...	29	23.7	+4	N	3	c	54	92	52	7	7	-	-	4-6	7-8	2500
	Catterick ...	175	24.8	+6	N	2	3	53	92	50	5	5	-	-	10	10	2100
	Tynemouth ...	108	24.9	+6	NE	3	c	52	92	50	7	8	-	-	9+	9+	2500
11	St. Abbs Head	280	25.5	+18	N	2	c	50	97	49	7	5	-	-	9+	9+	2500
	Leuchars ...	36	26.0	+14	E	1	c	50	85	47	8	5	4	-	7-8	7-8	4000
12	Renfrew (Abbots L.)	19	25.4	+12	-	0	c	49	85	46	8	5	3	-	4-6	7-8	3500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	26.6	0	NW	4	b	48	92	56	8	5	*	5	Tr	1	1000
13A	Tiree	22															
13B	Stornoway ...	80	28.0	+10	-	0	bc	43	92	42	7	5	3	-	2-3	4-6	3500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	26.6	+14	NNW	3	bc	43	85	37	9	5	-	-	2-3	2-3	2000
	Wick ...	114	26.8	+6	NNW	1	c	45	75	37	9	5	3	-	4-6	7-8	3500
16	Sumburgh ..	19	24.5	+8	N	3	c/pr	47	85	42	8	5	-	-	7-8	9+	2500
17	Blacksod Point	18	29.2	+6	N'W	3	c	55	75	48	8	5	-	-	9+	9+	2500
18	Malin Head ...	84	27.0	+2	N	3	c	53	85	49	8	8	2	-	7-8	10	2500
	Aldergrove ...	268	27.0	+2	-	0	bc	46	85	43	8	5	-	-	2-3	4-6	3000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	28.2	+2	N	4	c	55	85	51	9	5	-	-	9+	9+	4000
	Roches Point	22	26.6	0	N	3	c	55	85	51	8	5	-	-	7-8	7-8	2500

OBSERVATIONS at 7 hr. 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)	24.5	+12	NE	2	3	55	65	46	6	5	-	-	9+	9+	2500	0	*
	Croydon ...	24.7	+12	NE	2	c	57	75	49	7	5	4	-	1	9	3500	0	*
	S. Farnborough	24.7	+10	E'N	1	c	58	75	51	6	5	-	-	9+	9+	3000	0	*
	Boscombe Down	24.7	+10	N	2	c	54	85	50	7	5	3	-	7-8	7-8	3500	0	*
	Thorney Island	24.0	+10	ENE	3	c	58	75	50	8	5	3	-	7-8	9	4000	0	*
	Lympne ...	24.4	+10	NE	2	c	56	85	50	7	1	3	-	7-8	7-8	1800	0	§
	Manston ...	24.5	+8	NNE	2	c	56	92	53	7	1	3	-	7-8	9	1500	0	*
2	Shoeburyness ...	24.8	+12	NNE	3	c	56	75	49	8	-	3	-	0	9+	-	0	*
	Felixstowe ...	24.9	+12	N'E	3	b	58	75	47	8	1	-	-	Tr	Tr	4000	0	
	Gorleston ...	25.1	+12	N'W	4	c	54	85	49	7	7	3	-	4-6	7-8	2500	0	3
	Mildenhall ...	25.6	+12	NE'N	3	c	56	65	45	8	1	3	-	1	7-8	3000	0	*
	Cranwell ...	25.9	+10	NE'N	3	c	54	85	48	8	5	-	-	10	10	5000	0	*
3	Birmingham ...	25.6	+8	ENE	2	c	54	85	50	6	5	7	-	4-6	10	1500	0	*
	Upper Heyford	24.5	+8	ENE	3	c	55	85	49	7	5	7	-	7-8	9+	2800	0	*
4	Ross-on-Wye	24.9	+4	NW	2	c	52	86	47	8	5	-	-	10	10	3500	0	*
5	Hartland Point	24.5	+6	N	4	bc	54	75	46	8	5	4	-	2-3	4-6	2500	0	2
	Bristol ...	25.3	+8	NNE	2	3	54	85	50	6	-	-	-	0	0	-	0	*
	Portland Bill ...	23.3	+2	NE	2	bc	58	85	52	7	2	-	-	4-6	4-6	4000	0	2
	Plymouth ...	23.8	+2	NNW	4	b	57	75	51	8	5	-	-	1	1	4000	0	2
	The Lizard ...	23.7	+6	N	5	bc	55	85	49	8	7	-	-	2-3	2-3	2500	0	4
	Scilly (St. Mary's)	25.0	+6	NNE	5	b	55	75	47	8	8	-	-	1	1	1800	1	3
	Guernsey ...																	
6	Pembroke ...	26.0	+2	N'E	4	c	53	85	47	8	8	-	-	7-8	7-8	3000	0	2
7	Holyhead (Valley)	25.7	+6	N	2	c	54	85	49	7	5	-	-	7-8	7-8	2000	0	3
	Chester (Sealand)	25.4	+10	WNW	2	c	56	85	51	7	5	-	-	9+	9+	2200	0	*
8	Manchester ...	25.8	+14	-	0	3	52	97	51	6	5	-	-	10	10	1500	0	*
10	Spurn Head ...	25.8	+10	N	5	c	54	85	48	7	8	6	-	7-8	9	2500	0	3
	Catterick ...	27.5	+14	NNE	2	c	51	85	46	7	5	7	-	7-8	10	1800	0	*
	Tynemouth ...	27.7	+16	NE	4	c	50	65	40	7	8	-	-	7-8	7-8	2700	1	3
11	St. Abbs Head	27.4	+10	N	3	bc	47	75	40	8	5	4	-	2-3	4-6	3000	0	3
	Leuchars ...	28.2	+14	ENE	1	b	50	75	41	8	-	3	-	0	1	-	0	*
12	Renfrew (Abbots L.)	27.1	+10	ESE	1	c	53	75	47	7	2	-	-	7-8	7-8	2500	1	*
	Eskdalemuir ...	27.9	+14	NE'E	3	bc	51	75	45	8	5	-	-	2-3	2-3	900	1	*
	Point of Ayre ...	26.5	+14	E'N	3	b	55	92	52	7	1	4	-	Tr	1	2000	0	3
13A	Tiree	28.3	+10	N'E	1	bc	51	75	45	8	1	3	-	2-3	2-3	3500	0	2
13B	Stornoway ...	28.5	+6	-	0	bc	50	75	43	8	5	4	-	4-6	4-6	3500	1	0
15	Dalwhinnie ...	28.4	+8	N	1	b	46	65	36	8	1	-	-	Tr	Tr	4000	1	*
	Aberdeen † ...	27.7	+14	N	4	c	48	65	39	8	7	-	-	10	10	2100	1	2
	Wick ...	27.9	+10	NNW	1	c	48	75	39	9	5	-	-	10	10	3500	0	*
16	Sumburgh ..	26.2	+8	NNW	3	c	47	75	38	9	5	3	-	7-8	9	2500	0	3
17	Blacksod Point	29.9	+8	N	3	c	53	85	49	8	8	-	-	9	9	4000	0	3
18	Malin Head ...	28.2	+10	NNE	3	c	54	75	47	8	8	-	6	4-6	7-8	1500	0	3
	Aldergrove ...	27.8	+6	N	3	bc	52	85	48	8	7	4	-	2-3	2-3	1800	0	*
19	Birr Castle ...	28.3	+10	N	1	c	54	65	43	8	5	1	-	7-8	10	2500	0	*
20	Valentia Obsy.	29.4	+6	ENE	3	c	54	75	47	9	5	-	-	10	10	4000	0	3
	Roches Point	27.7	+2	N	3	c	54	85	50	8	5	-	-	9+	9+	2500	0	2

PAST 24 HOURS.

District	Stations	Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine Hrs. (38)
1	London (Kew)	72	54	42	-	-	8.7
	Croydon ...	71	51	47	-	-	8.3
	S. Farnborough	75	56	51	-	Tr	5.5
	Boscombe Down	73	49	46	-	-	6.2
	Thorney Island	74	55	52	-	-	*
	Lympne ...	67	45	*	-	-	11.5
	Manston ...	64	47	37	-	-	8.8
2	Shoeburyness ...	68	48	39	-	-	4.9
	Felixstowe ...	67		52	0.2	-	5.2
	Gorleston ...	63	50	45	-	-	5.5
	Mildenhall ...	72	50	43	-	-	7.6
	Cranwell ...	71	52	49	-	Tr	7.7
3	Birmingham ...	68	51	47	-	-	11.9
	Upper Heyford	72	51	49	-	-	*
4	Ross-on-Wye	69	46	40	-	-	13.6
5	Hartland Point	59	52	50	-	-	14.0
	Bristol ...	73	49	39	-	-	13.1
	Portland Bill ...	68	57	*	-	-	*
	Plymouth ...	70	52	47	-	-	11.0
	The Lizard ...	66	51	*	-	-	13.1
	Scilly (St. Mary's)	60	53	*	-	-	9.0
	Guernsey ...						
6	Pembroke ...	62	43	*	-	-	14.9
7	Holyhead (Valley)	59	48	48	-	-	*
	Chester (Sealand)	59	52	47	-	-	2.9
8	Manchester ...	65	51	45	-	-	*
10	Spurn Head ...	62	52	*	-	-	12.3
	Catterick ...	65	51	50	-	-	5.8
	Tynemouth ...	57	54	47	-	-	*
11	St. Abbs Head	58	44	*	-	-	*
	Leuchars ...	68	42	34	-	-	3.6
12	Renfrew (Abbots L.)	63	46	38	-	-	9.6
	Eskdalemuir ...	62	45	40	-	-	2.7
	Point of Ayre ...	59	51	*	-	-	5.5
13A	Tiree	58	50	*	-	-	0.5
13B	Stornoway ...	55	41	*	0.1	-	1.2
15	Dalwhinnie ...	55	34	27	-	-	1.3
	Aberdeen † ...	62	42	38	Tr	-	3.8
	Wick ...	54	42	39	0.2	-	*
16	Sumburgh ..	54	45	43	-	Tr	3.1
17	Blacksod Point	56	50	*	0.1	-	*
18	Malin Head ...	56	51		0.1	-	2.0
	Aldergrove ...	59	42	39	Tr	-	2.2
19	Birr Castle ...	63	51	48	-	-	0.2
20	Valentia Obsy.	64	54	52	-	-	13.0
	Roches Point	66	54	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 24th June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 25th June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	3-	10747	29467	5-	02855	28425	5-	02855	27225	57	02854	29325
115	32	81834	26287	55	02844	22227	57	02944	04126	57	02944	28226
203	5-	02948	22328	8-	02948	04328						
206	5-	02966	26326	8-	02957	28227	55	01963	28114	5-	02965	24125
210	5-	02957	26427	5-	02967	31357	53	01854	28314	50	01863	25313
220	51	03853	28317	57	02853	29317	10	01954	31214			
230	53	01965	24357	53	01964	29414	50	01961	08113	50	00941	00001
245	8-	02966	14326	5-	02967	16227	50	00862	08113	5-	02965	32305
260	7-	02855	21317	7-	02865	01215	5-	05667	04317			
278	5-	02857	27527	44	00862	28513	50	00861	30401	5-	02877	02127
279	76	02966	27227	7-	02865	26225	50	00863	02313	14	00851	04402
285	5-	03748	12428							5-	02637	04327
288	23	01753	02325	5-	05676	02326				5-	05657	01427
575	8-	02848	30268	5-	02868	30128	5-	02768	32228	5-	02865	32225
301	10	02851	28526	10	00851	28522	50	02766	30226	5-	05665	10226
321	80	01765	01325	5-	02856	07226	5-	02768	03288	77	02854	01325
299	8-	02745	32325	57	01764	04204	5-	01744	32114	44	02754	32314
292	7-	05665	30225	7-	02867	08127	5-	02747	06157	57	02756	02228
310												
614	23	05674	30126	26	05664	02126	57	05665	06128			

III	13h. G.M.T. 24th June $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 25th June $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	74	02964	30425	44	01962	30413	5-	01851	32301	54	01843	32314
334	--	02754	28216							--	03647	10228
340	50	01863	29313	10	00963	26413	03	02790	30205	5-	05644	30228
136	08	01890	01312	07	01990	06303	5-	02806	03126	5-	02866	32327
336	10	01765	32415	50	01763	04413				50	01754	04314
350	57	00353	05057	77	02755	02227	5-	02768	02228	7-	02757	04327
368	20	00762	18212	24	01863	12114				53	01854	04115
379	20	01754	32314	00	00790	30400	50	05654	32314	5-	05657	04227
390	14	07761	19668	23	02765	04315	5-	02767	06217	57	02865	04128
382	20	01865	26205	8-	05664	32224	50	05674	32114	7-	05667	00027
438	00	01790	04412	54	02724	32215	57	02755	04417	87	02844	02314
430	10	02771	02423	40	01763	12223	5-	02768	08288	56	02764	02325
409	14	01963	32513	10	00861	32502	00	00790	32500	50	01954	02504

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

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

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

LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	cbcy	bcy	bcycz$_0$	Kew 24 hours ended 7h. Max. Time 0.12 hrs 25th Min. Time <0.1 8-21hrs 24th
Croydon ...	cbcy	bycy	bcybcz$_0$	
Greenwich ...	cy	cy	cbc	
Camden Square	c	c	*	
Kensington ...	bc	bc	*	
Hampstead ...	c	bc	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	72	54	42	-	-	8.0	*	*
Croydon ...	71	51	47	-	-	8.3	*	*
Greenwich ...	72	53	44	-	-	7.7	47	59
Westminster ...	73	54	53	-	-	*	52	67
Regents Park ...	74	55	52	-	-	*	52	64
Camden Square	74	55	52	-	-	*	*	64
Kensington ...	74	55	52	-	-	*	54	68
Hampstead ...	71	52	49	-	-	*	*	72

SECRET

BRITISH SECTION

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

Friday 26th June 1942

No. 29436

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)	25·7	+4	NE'N	3	c	63	55	45	8	5	–	–	10	10	2500
	Croydon	25·9	+6	NE	3	c	62	55	46	8	5	2	–	7·8	10	2500
	S. Farnborough	25·8	+6	ENE	3	c	63	55	48	7	5	–	–	10	10	4000
	Boscombe Down	25·7	+6	E'N	3	c	62	65	49	7	8	7	–	7·8	10	6000
	Thorney Island	25·8	+10	S	3	c	60	75	52	8	5	–	–	4·6	10	2500
	Lympne	25·8	+6	NE	3	c	58	65	45	8	1	6	–	7·8	10	4000
	Manston	25·8	+4	NE	3	c	58	85	54	8	7	–	–	9+	9+	3500
2	Shoeburyness	25·9	+4	N	2	c	63	55	47	8	5	–	–	9+	9+	2500
	Felixstowe	25·8	+10	NNW	4	bc	64	55	45	8	7	–	–	2·3	2·3	4000
	Gorleston	26·1	+4	NNE	4	c	55	65	43	7	1	–	–	7·8	7·8	2000
	Mildenhall	26·6	+6	NNE	4	b	61	45	40	9	1	–	–	1	1	2500
	Cranwell	27·0	+4	NE	3	c	59	65	46	7	7	–	–	4·6	7·8	2500
3	Birmingham	26·8	+4	ESE	2	c	60	65	49	6	7	3	–	4-6	9+	4000
	Upper Heyford	26·0	+2	ENE	3	c	61	65	50	8	1	7	–	4-6	10	2500
4	Ross-on-Wye	26·0	+6	E	2	c	61	75	52	7	3	–	–	10	10	3000
5	Hartland Point	25·5	+4	NNE	3	b	59	75	50	7	1	–	–	1	1	2000
	Bristol	26·0	+6	ENE	1	zo	63	65	52	6	5	–	–	10	10	2800
	Portland Bill	25·8	+12	ESE	2	c	59	85	55	8	2	4	–	4·6	10	4000
	Plymouth	25·1	+6	WSW	2	bc	65	65	53	7	7	–	–	4·6	4·6	4000
	The Lizard	24·8	+2	N	3	bc	66	65	53	8	7	–	–	2·3	2·3	3500
	Scilly (St. Mary's)	26·2	+2	NNE	5	b	59	65	47	8	–	4	–	0	1	–
	Guernsey															
6	Pembroke	26·5	0	N	5	bc	61	75	54	7	2	6	–	2·3	4·6	3000
7	Holyhead (Valley)	26·2	0	N	4	bc	61	75	52	7	2	–	–	4-6	4-6	2500
	Chester (Sealand)	26·9	+6	SSE	2	bc	64	65	52	6	1	–	–	4·6	4·6	3000
8	Manchester	26·7	+4	–	0	zo	62	65	49	6	5	–	–	9	9	2500
10	Spurn Head	28·2	+16	N'W	5	bc	56	55	38	7	7	4	–	4-6	4-6	4000
	Catterick	28·5	+2	NNE	3	zo	58	55	42	6	1	–	–	2·3	2·3	3500
	Tynemouth	26·8	+2	NNE	4	bc	53	75	45	8	2	–	–	4·6	4·6	3200
11	St. Abbs Head	27·8	-4	N	1	b	56	65	46	9	1	4	–	Tr	Tr	4000
	Leuchars	27·3	-10	SE	3	bc	62	65	49	8	1	–	–	2·3	2·3	3000
12	Renfrew (Abbots I.)	27·2	-6	NW	2	bc	67	35	39	9	1	–	–	2·3	2·3	4000
	Eskdalemuir	27·0	-4	ENE	2	bc	61	55	45	8	1	–	–	4·6	4·6	2800
	Point of Ayre	27·8	+6	E'S	2	b	62	75	53	8	1	4	–	Tr	1	3000
13A	Tiree	28·8	0	N'W	1	bc	56	75	48	8	1	–	5	2·3	2·3	4000
13B	Stornoway	28·6	0	SE	3	c	51	85	47	9	5	7	–	7·8	9+	2400
15	Dalwhinnie	27·0	0	NW	2	b	63	45	41	8	1	4	–	Tr	1	4000
	Aberdeen	27·9	-10	N	3	bc	58	55	42	9	7	4	8	2·3	2·3	2300
	Wick	28·1	0	NW	3	bc	55	55	40	9	1	–	–	4-6	4·6	4000
16	Sumburgh	27·0	+2	NW	3	b	51	65	41	9	8	–	9	1	1	3000
17	Blacksod Point	30·6	+4	N	4	c	57	75	49	9	8	–	–	9+	9+	2500
18	Malin Head	29·1	+2	NNW	2	bc	55	75	47	8	2	–	–	4·6	4·6	2500
	Aldergrove	28·7	0	NNW	2	c	61	65	50	8	7	–	–	9	9	2500
19	Birr Castle	28·0	-6	NNW	1	bc	65	55	50	8	1	–	–	4·6	4·6	2500
20	Valentia Obsy.	29·5	0	NNE	4	c	58	65	47	9	5	–	–	9+	9+	4000
	Roches Point	27·8	-4	N	3	bc	63	65	52	8	1	–	–	4-6	4-6	4000

OBSERVATIONS at 18h. G.M.T. 25th 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. 25th (39)	Weather 13h.–18h. 25th (40)	Weather 18h. 25th to 1h. 26th (41)	Weather 1h.–7h. 26th (42)
1	London (Kew)	26·1	-2	NNE	3	c	62	55	44	7	8	–	–	7-8	7-8	4000	0	*	cbccy	cbcy	bcbyw	bzw
	Croydon	25·8	-4	NNE	3	c	61	55	45	8	5	3	–	4-6	7·8	3500	0	*	cbccy	cy	bcywb	bwbz bz
	S. Farnborough	25·9	0	NE'N	3	c	61	55	47	7	5	–	–	9+	9+	5000	0	*	czocy	cy	cybzbw	bwm
	Boscombe Down	25·6	0	E'N	3	c	62	65	49	7	8	3	–	7·8	9	4000	0	*	bcc	cyc	b	bbm
	Thorney Island	25·6	-2	SW	1	c	61	75	53	8	1	3	–	4-6	7·8	4000	0	4	c	cirobcc	cbbc	bwbcb
	Lympne	25·7	+2	NE	2	b	57	65	45	9	1	–	–	Tr	Tr	4000	0	§	cbcyc	cbcb	bbw	bwfgbc
	Manston	26·1	+2	NE	3	b	56	75	49	8	1	–	–	1	1	3800	0	*	cv	cvbv	bvbm	bvbm
2	Shoeburyness	26·3	+2	ENE	3	b	57	65	47	9	1	–	–	1	1	2700	0	*	ccy	cybcbv	bvb	bxb
	Felixstowe	25·9	+2	NW	3	b	58	65	46	8	1	–	–	1	1	4000	0	2	bbccbcy	bcyb	b	b
	Gorleston	26·7	+4	NNE	4	c	54	55	39	7	8	–	–	7·8	7·8	2000	0	3	c	cbcy	cybc	bc
	Mildenhall	26·9	+2	N'E	4	b	57	55	41	9	4	–	–	Tr	Tr	2500	0	*	cbcby	by	bybbx	bxmb
	Cranwell	27·0	0	ENE	2	b	57	65	45	7	5	–	–	Tr	Tr	4000	0	*	c	cbc	bbw	bw
3	Birmingham	26·2	-4	E	2	zo	62	65	51	6	7	–	–	2-3	2-3	4000	0	*	c	cbcz	c	bc
	Upper Heyford	25·7	-2	ENE	2	zo	61	65	50	6	1	–	–	2-3	2-3	3000	0	*	c	c	bczbbm	bcmb
4	Ross-on-Wye	25·7	0	ENE	2	c	63	65	51	7	5	–	–	9+	9+	3500	0	*	c	c	cbcc	cbmw
5	Hartland Point	25·0	-4	NNE	3	bc	57	75	49	7	2	6	–	Tr	2·3	2000	0	2	bc	bcb	bcb	b
	Bristol	25·9	+2	NE	2	c	64	65	52	7	1	3	–	1	7·8	2500	0	*	b,czo	czoc	bcbmw	bmw
	Portland Bill	27·0	+2	E	1	bc	58	85	54	8	2	–	–	4·6	4·6	4000	1	2	c	bcbc	bcbc	bc
	Plymouth	25·4	+2	SW'S	2	bc	61	65	50	8	5	–	–	2·3	2·3	4500	0	2	bbc	bcb	bbc	bcbz
	The Lizard	25·1	0	–	0	bc	64	75	55	8	2	6	–	4-6	4-6	3500	0	3	bc	bc	bcbw	cbcc
	Scilly (St. Mary's)	26·0	-2	NNE	4	bc	57	75	48	8	5	–	–	4·6	4·6	1800	0	3	b	bbc	bcbw	bbcw
	Guernsey																					
6	Pembroke	26·1	-4	N	4	b	60	85	53	7	1	–	–	1	1	4000	0	3	bc	bc	bmz	bmwc
7	Holyhead (Valley)	26·5	+2	NE	3	b	63	55	48	8	–	6	–	0	1	–	0	2	bc	bcbzoy	bybw	bbcw
	Chester (Sealand)	25·9	-2	WNW	2	bc	63	65	52	6	4	6	–	4-6	4·6	3000	0	*	cmozo	bczoczo	bccbzo	b,cw
8	Manchester	26·1	-4	–	0	bc	64	55	49	6	3	3	–	4·6	4·6	2500	0	*	cirozo	cbczoy	bcbz	bccmzw
10	Spurn Head	27·9	+2	N	4	bc	54	65	41	7	1	4	–	2·3	4-6	5700	0	3	bc	bc	bc	bc
	Catterick	27·6	-4	NE'N	2	b	58	55	43	6	–	–	–	0	0	–	0	*	bczo bzoy	bybzo	bzbmo	bmbm
	Tynemouth	28·4	-4	N'E	3	bc	53	65	41	8	–	4	–	0	2·3	–	1	3	cbc	cbc	bcc	cbc
11	St. Abbs Head	28·1	-2	E	3	bc	52	85	46	9	4	4	–	Tr	2·3	4000	0	3	cbcb	b	bbc	bccbc
	Leuchars	26·4	-6	SE	4	bc	54	75	45	9	1	–	9	2·3	2·3	4000	0	*	bby	b	bc	cbcx
12	Renfrew (Abbots I.)	26·1	-4	WNW	3	b	65	65	54	9	1	4	–	Tr	1	4500	0	*	bcby	bcyb	bbc	bccm
	Eskdalemuir	25·4	-10	SW'W	4	bc	63	55	49	8	7	–	1	4-6	4·6	2800	1	*	bcbbc	bc	bc	bcw
	Point of Ayre	27·6	-2	NW	3	b	60	85	53	8	–	4	–	0	Tr	–	0	2	b	b	b	bbcc
13A	Tiree	28·8	0	NNW	2	bc	55	75	47	8	5	3	–	0	2·3	3500	0	3	bc	bc	c	cdo
13B	Stornoway	27·9	-4	SSW	3	c	54	85	50	9	5	7	–	7·8	9+	2500	1	1	bcc	c	c	cpc
15	Dalwhinnie	26·3	-4	WNW	3	bc	63	45	41	8	4	–	–	2·3	2·3	4000	0	*	by	bbcy		bco
	Aberdeen	27·4	+4	SE	2	bc	53	75	43	7	7	–	8	2·3	2·3	2700	0	2	cbcy	bcyb	bc	bcw
	Wick	27·1	-16	NW	3	c	54	65	41	9	7	7	9	2·3	7·8	3000	0	*	cbcy	bcy	bccdc	cdodoc
16	Sumburgh	26·3	-6	WNW	3	bc	50	65	39	9	5	3	4	Tr	2·3	3000	0	2	cbcb	b	b, c	cidoddm
17	Blacksod Point	30·5	0	N	4	c	56	65	45	9	8	–	–	10	10	4000	0	3	c	c	c	c
18	Malin Head	29·0	-2	NNW	3	bc	55	75	47	8	2	8	–	2·3	4-6	2500	0	2	c	bc	c	c
	Aldergrove	28·2	-2	NNW	2	b	61	55	47	8	7	4	–	Tr	1	3500	0	*	c	cbcy	bbc	bcc
19	Birr Castle	27·0	-6	NNE	2	bc	69	55	54	8	2	–	–	4-6	4-6	2500	0	*	bc	bc		c
20	Valentia Obsy.	29·3	0	N'E	3	c	58	65	47	9	5	–	–	9+	9+	4000	0	3	c	c	bc	b
	Roches Point	27·3	-6	S'W	2	b	62	75	54	8	1	–	–	1	1	4000	0	2	c	bc	b	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 26th June, 1942.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales	Light winds between Northwest and Northeast, fair or fine, local mist patches inland during night, average temperature by day, cool at night.
8 N.W. England	Light or moderate Northwesterly wind, fair to cloudy. local drizzle tomorrow, rather cool.
9 N. Midlands	As 1-7.
10 N.E. England; 11 S.E. Scotland	Light variable wind becoming Northwest to West, fair at first, cloudy later, local showers to-morrow, rather cool.
12 S.W. Scotland & Isle of Man	As 8.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light to moderate Westerly wind, fresh locally in North, cloudy, overcast at times, occasional rain or drizzle. Average temperature.
16 Orkneys and Shetlands; 17 N.W. Ireland; 18 N.E. Ireland	As 13A - 15.
19 S.E. Ireland; 20 S.W. Ireland	As 1-7.

GENERAL INFERENCE

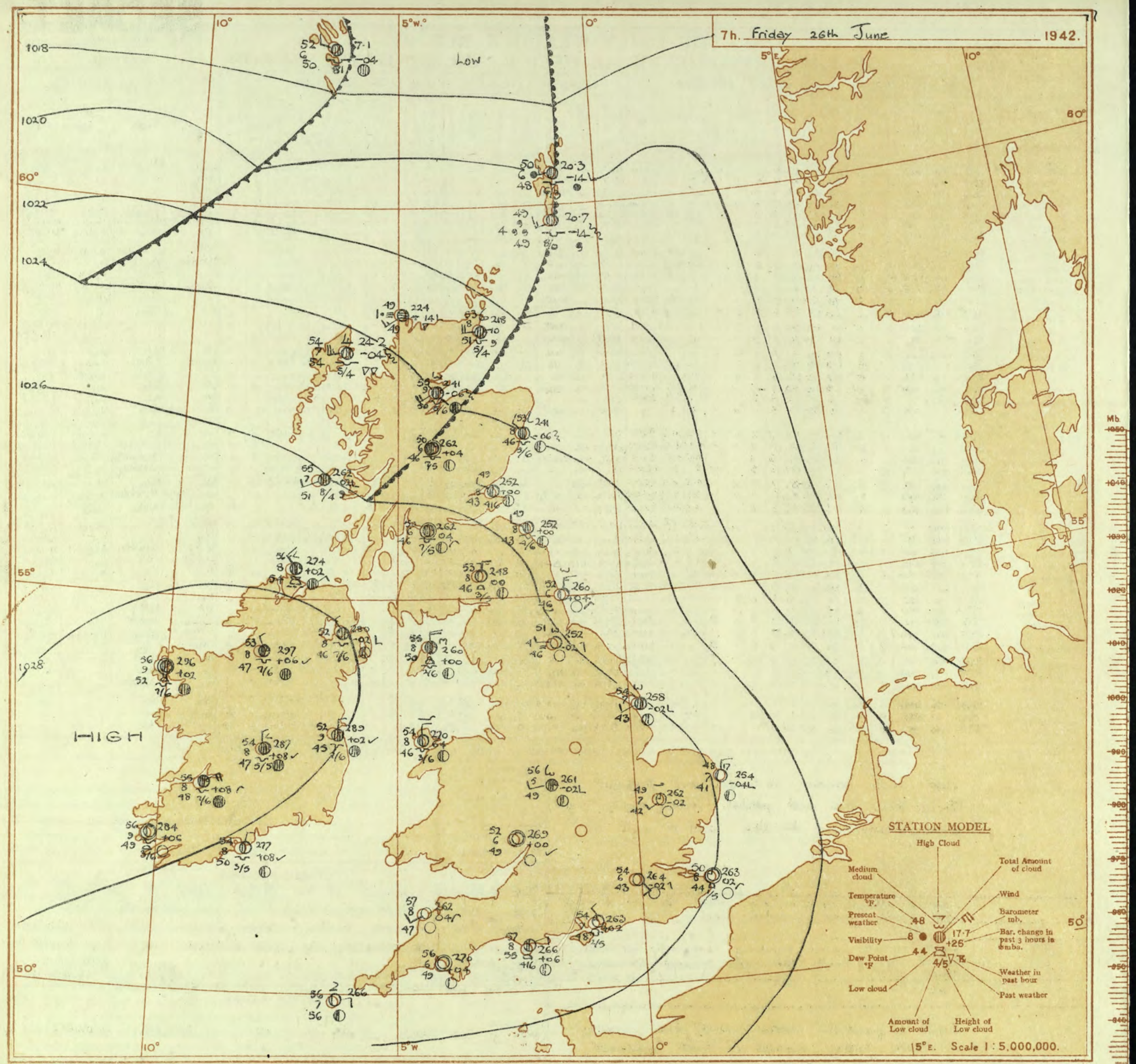
The anticyclone to West of the British Isles is declining and receding Southwest. Troughs of low pressures are moving East between Scotland and Iceland. It will continue fair or fine over practically the whole of England, Wales and Southern Ireland. In Scotland and N. Ireland it will be cloudy with some drizzle at first but more general rain will spread into Scotland from the west tonight. Temperatures will be about average.

FURTHER OUTLOOK

Fair in the South, cloudy in north with occasional showers.

Forecasts issued at 10.30.

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



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

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

Explanation of Frontal Lines shown on Charts

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

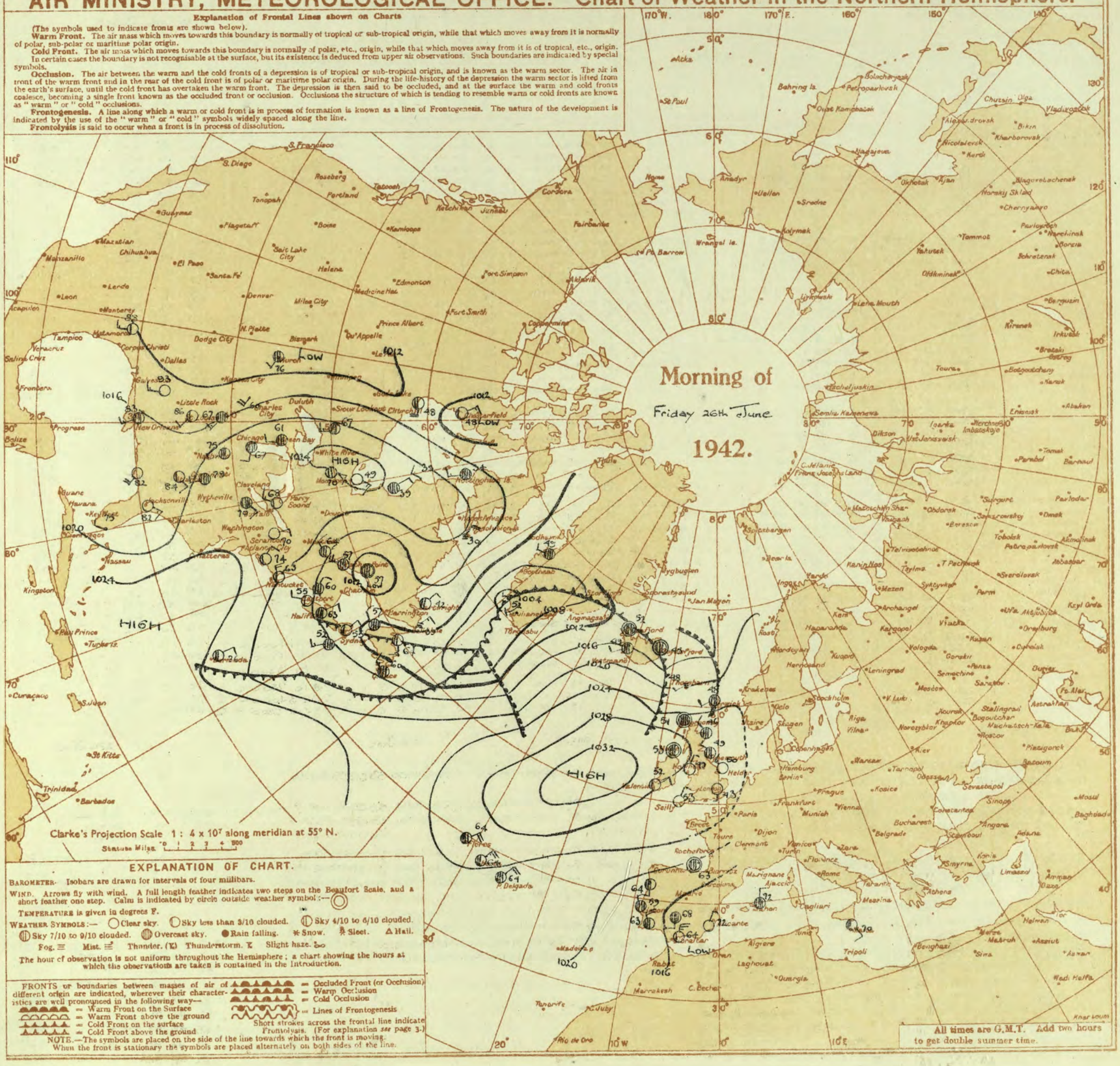
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Friday 26th June 1942

No. 29436

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)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	50	*	*	*	*	*	*	*	*	*
	Croydon	290	27.1	+4	S'E	1	b	43	97	42	8	-	-	-	0	0	-
	S. Farnborough	226	27.4	+4	-	0	b	47	85	42	7	-	-	-	0	0	-
	Boscombe Down	417	27.3	+4	NE'E	2	b	51	85	46	7	-	-	-	0	0	-
	Thorney Island	10	26.7	+6	ENE	2	bc	47	92	46	7	1	-	-	2-3	2-3	2500
	Lympne	283	26.8	0	NNW	1	fg	38	97	37	7	9	-	-	0	Tr	4000
	Manston	154	26.4	-2	N'E	2	z	50	85	46	6	5	-	-	7-8	7-8	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	26.7	-2	WNW	2	b	47	85	42	8	5	-	-	Tr	Tr	4000
	Gorleston	5	26.6	-4	NW	2	bc	49	75	42	7	7	-	-	4-6	4-6	1500
	Mildenhall	15	27.1	-6	-	0	b	40	92	37	8	-	-	-	0	0	-
	Cranwell	203	27.3	-2	SW	2	b	44	85	40	7	-	-	-	0	0	-
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	27.2	+2	N'E	1	z	45	92	42	6	5	-	.	4-6	4-6	5700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	26.2	+6	S	3	b	55	85	49	7	-	-	-	0	0	-
	Bristol	209	27.2	+6	-	0	z	48	85	44	6	-	-	-	0	0	-
	Portland Bill	32	27.2	-2	E	1	bc	54	85	50	8	1	-	-	4-6	4-6	4000
	Plymouth	82	26.8	+2	ENE	1	bc	53	85	49	8	3	-	-	2-3	2-3	4500
	The Lizard	240	26.3	+10	E	2	b	54	97	53	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	26.6	+4	NNE	2	b	53	92	51	8	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	26.9	+6	NE'E	3	z	55	92	52	6	-	-	-	0	0	-
7	Holyhead (Valley)	32	27.0	0	NNE	1	b	49	92	47	7	-	-	-	0	0	.
	Chester (Sealand)	16	26.9	+2	W'N	1	b	49	92	47	7	5	3	-	Tr	1	4000
8	Manchester	235	27.0	0	WSW	2	z	50	85	45	6	5	2	-	1	2-3	4000
10	Spurn Head	29	26.9	-6	NW	3	b	50	75	43	7	1	-	-	1	1	4000
	Catterick	175	27.1	-6	-	0	z	43	92	41	5	-	7	-	0	Tr	-
	Tynemouth	108	27.2	-2	NW	2	c	49	75	41	6	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	26.6	0	SSE	2	bc	46	92	44	7	5	4	-	2-3	4-6	3500
	Leuchars	36	26.2	-8	NW	2	c	48	85	45	8	5	-	-	9	9	5000
12	Renfrew (Abbots I.)	19	26.2	0	NE	1	bc	46	92	44	7	-	4	6	0	4-6	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	27.1	0	NNW	4	b	52	92	50	8	4	4	-	Tr	1	3000
13A	Tiree	22	28.0	-6	-	0	c	53	85	49	8	5	-	-	9+	9+	3500
13B	Stornoway	80	25.9	-12	-	0	c	51	92	49	7	5	7	-	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	26.3	-10	NW	1	c	46	85	40	9	5	-	-	9+	9+	4000
	Wick	114	25.2	-14	W	1	c	50	85	45	9	5	-	-	9+	9+	4000
16	Sumburgh	19	23.6	-18	WSW	2	c	48	92	46	8	5	2	-	9	10	2500
17	Blacksod Point	18	30.2	-2	N'E	3	c	54	75	47	9	8	-	-	10	10	4000
18	Malin Head	84	28.5	-6	N	2	c	53	75	46	8	5	-	-	10	10	2500
	Aldergrove	268	29.0	-2	-	0	b	45	92	43	8	5	4	6	1	1	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	29.0	-2	ENE	2	b	52	85	48	9	5	-	-	1	1	2500
	Roches Point	22	27.5	+6	N	3	b	55	85	51	8	-	-	-	0	0	-

OBSERVATIONS at 7 hr. G.M.T. 26th 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)	Temp. Max. Day 7h–18h °F. (33)	Temp. Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 25th Hrs. (38)
London (Kew)	26.4	+2	-	0	z	54	75	45	6	-	-	1	0	1	-	0	*	63	45	29	-	-	6.8
Croydon	26.4	-2	ESE	1	z	54	65	43	6	-	-	-	0	0	-	0	*	63	39	35	-	Tr	5.1
S. Farnborough	26.8	-2	-	0	z	49	75	43	6	-	-	-	0	0	-	0	*	66	41	*	-	-	1.2
Boscombe Down	26.8	-2	-	0	b	50	85	45	6	-	-	-	0	0	-	0	*	66	42	38	-	-	1.2
Thorney Island	26.3	+2	NW	1	b	54	97	53	7	4	-	-	1	1	2500	0	*	64	43	39	Tr	-	*
Lympne	26.3	+2	-	0	b	50	75		8	1	-	-	Tr	Tr	2000	0	§	62	37	*	-	-	9.2
Manston	26.0	+4	N'E	1	bc	52	85	48	8	1	-	-	2-3	2-3	3100	0	*	60	46	40	-	-	8.9
Shoeburyness	26.3	+2	NNW	2	b	53	65	42	8	-	-	-	0	0	-	0	*	65	38	30	-	-	7.1
Felixstowe	26.5	+4	NW'W	1	b	51	75	43	8	-	-	-	0	0	-	0	*	70	41	37	-	-	11.7
Gorleston	25.4	-4	NNW	2	bc	48	75	41	7	-	8	-	0	2-3	-	0	2	58	45	42	-	-	10.4
Mildenhall	26.2	-2	SW'S	1	b	49	75	42	7	-	-	1	0	Tr	-	0	*	62	36	30	-	Tr	11.2
Cranwell	25.0	-4	W'S	3	bc	51	85	45	6	-	-	1	0	4-6	-		*	62			-		
Birmingham	26.3	0	WNW	2	z	54	85	50	6	-	3	-	0	7-8	-	0	*	63	48	41	-	-	1.2
Upper Heyford	25.9	-6	SW	2	b	51	85	45	7	-	-	-	0	0	-	0	*	62	42	35	-	-	*
Ross-on-Wye	26.0	-4	WNW	1	z	51	85	48	5	-	-	-	0	0	-	0	*	65	45	39	-	-	1.2
Hartland Point	26.2	+4	SW	2	b	57	65	47	8	-	-	-	0	0	-	0	2	60	52	47	-	-	12.6
Bristol	26.9	0	-	0	z	52	92	49	6	-	-	-	0	0	-	0	*	66	44	34	-	-	4.8
Portland Bill	26.6	+6	NE	1	bc	57	92	55	8	1	-	-	4-6	4-6	4000	1	2	65	51	*	-	-	*
Plymouth	27.0	+4	-	0	z	56	75	49	6	-	-	-	0	0	-	0	1	66	52	47	-	-	12.2
The Lizard	26.4	+6	E	2	c	56	97	56	8	8	6	-	7-8	7-8	2500	0	3	67	52	*	-	-	13.8
Scilly (St. Mary's)	26.6	+4	ENE	2	bc	56	97	56	7	-	-	6	0	2-3	-	0	2	59	51	*	-	-	3.8
Guernsey																							
Pembroke	26.9	+4	NE'N	3	z	56	92	54	6	1	3	-	2-3	7-8	3500	0	2	62	47	*	-	-	10.5
Holyhead (Valley)	27.0	+4	NNW	2	bc	54	75	46	8	5	-	8	2-3	4-6	3500	0	2	68	56	42	-	-	*
Chester (Sealand)	26.3	+2	WNW	2	c	54	85	50	8	1	3	2	1	7-8	2000	0	*	67	44	35	-	-	2.9
Manchester	26.1	0	W'N	3	z	53	92	50	6	5	7	-	4-6	9+	2500	0	*	65	46	40	Tr	-	*
Spurn Head	25.8	-2	SW'W	2	c	54	65	43	7	1	3	-	4-6	7-8	4000	0	2	56	48	*	-	-	13.3
Catterick	25.2	-2	W	1	m	51	85	46	4	-	3	-	0	2-3	-	0	*	59	40	35	-	-	11.2
Tynemouth	26.0	+4	N	3	z	52	85	46	6	-	3	-	0	2-3	-	1	3	53	48	45	-	-	*
St. Abbs Head	25.2	0	W	1	bc	49	85	43	8	5	-	-	4-6	4-6	3500	0	2	59	44	*	-	-	*
Leuchars	25.0	-2	SW	2	bc	48	85	44	7	5	3	6	2-3	4-6	3500	0	*	64	44	40	-	-	16.8
Renfrew (Abbots I.)	26.2	+4	-	0	z	50	85	46	6	5	-	-	9+	9+	3000	0	*	69	41	36	-	-	12.6
Eskdalemuir	24.8	0	N	2	bc	58	75	46	8	1	-	1	2-3	2-3	2400	1	*	65	37	31	-	-	10.7
Point of Ayre	26.0	0	NNW	4	c	55	85	50	8	8	8	4	1	9	3000	0	3	63	51	*	-	-	13.9
Tiree	26.2	+2	SW'W	2	c	55	85	51	7	5	-	-	10	10	1500	0	3	57	54	*	-	Tr	14.1
Stornoway	24.2	-4	WSW	5	s/pe	54	97	54	7	5	2	-	7-8	10	2000	1	2	55	51	*	-	0.2	
Dalwhinnie	26.0	-6	N	1	o	48	75	43	8	5	-	-	10	10	2500	0	*	65	35	28	-	-	13.5
Aberdeen †	24.1	-6	NW'W	2	c	53	75	45	8	5	4	-	7-8	7-8	3500	0	1	60	43	36	-	-	7.7
Wick	23.0	-8	WSW	2	c	53	85	48	9	5	3	-	4-6	9+	4000	0	*	56	47	46	-	Tr	*
Sumburgh	20.7	-14	SW'S	3	dd	49	97	49	4	5	-	-	10	10	100	1	2	52	50	42	-	Tr	11.4
Blacksod Point	29.6	+2	-	0	c	56	85	52	9	8	-	-	9+	9+	4000	0	1	58	53	*	Tr	-	*
Malin Head	27.4	+2	NW'W	3	c	56	92	54	8	9	1	-	7-8	9+	1500	0	3	55	52		-	-	11.0
Aldergrove	28.0	-2	NW'W	1	c	52	85	46	8	5	-	-	9+	9+	3000	0	*	65	42	*	-	-	10.5
Birr Castle	28.7	+8	NNW	1	c	54	75	47	8	5	1	-	7-8	10	2500	0	*	70	49	45	-		7.8
Valentia Obsy.	28.4	+6	-	0	bc	56	75	49	9	7	-	-	2-3	2-3	4000	0	2	59	51	41	-	Tr	0.0
Roches Point	27.7	+8	N	3	bc	54	85	50	8	5	-	5	2-3	4-6	2500	0	2	64	52	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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
13h. G.M.T. 25th June			18h. G.M.T.			01h. G.M.T. 26th June			07h. G.M.T.		
109 7-	02864	27324	83	02954	25226	53	02855	24327	57	02845	23457
115 54	02344	24325	52	10844	24327	52	02844	20327	--	67109	20389
203			8-	02958	16218	5-	02948	20328			
208 13	01962	08214	13	01962	07413	5-	02968	00028	53	02965	20427
210 73	00961	28201	53	00972	06313	5-	02868	24128	53	02976	20327
220			57	02954	27217				5-	52482	29258
230 13	00962	18202	10	00961	26311	53	01963	24313	5-	52648	18158
245 14	00962	14313	74	02961	13215	07	00990	24112			
260 ·			5-	05674	05214	50	00861	05002	5-	01772	23212
278 20	01864	30314	10	00861	28501	54	01941	26413	73	02844	28425
279 10	00962	10202	73	00962	24203	54	00861	28102	73	01752	27125
285 10	01863	02313									
286 00	00952	02312	00	00890	02300	03	00790	16203	00	08490	00001
575 5-	02956	32226	50	00953	32213	53	02864	32105	5-	02867	28127
301 2-	02855	29325	06	00890	28321	00	00790	28100	53	02864	28327
321 5-	02867	29227	14	00861	01201	50	05661	12101	00	05590	18105
299 50	01755	32415	50	00763	32203	57	01763	18314	54	01765	24114
292 10	05663	28213	04	00890	02301	54	22781	00001	03	05690	00002
310 --	01636	04316							--	02626	24224
614 17	02766	04226	00	00790	06310	00	00690	00000	03	05690	22114

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
13h. G.M.T. 25th June			18h. G.M.T.			01h. G.M.T. 26th June			07h. G.M.T.		
333 2-	01754	30414	00	05690	28200	00	00790	28200	53	01863	30314
734 --	05563	08214									
340			03	05690	10101	00	05690	12110	53	05641	28107
136 10	01864	01414	50	01853	01412	50	01851	00001	03	01890	26201
336 57	02756	12328							50	01753	08313
350 5-	02858	02328	20	01854	02224	54	05661	04102	07	05690	22201
368 8-	02756	18220	54	05661	04212	00	05690	03200	00	05590	02100
379			5-	02867	04327	00	05690	08100	00	00890	24200
390 5-	02858	06328	50	01764	02324	00	00790	28100	00	00790	27100
382 7-	02858	06128	7-	018.4	03224	00	05690	00000	00	05690	00000
438 57	02865	06227	57	02844	08228	00	00790	02310			
430 --	02868	12328	5-	02866	30126	50	05662	04102	50	00661	00001
409 50	00842	32302	20	00851	32301	50	01753	02123	50	00861	00011

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 26th 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	cbccy	cbcy	bcbywzw
Croydon	cbccy	cy	bwbrnbz
Greenwich	cy	cbcy	cbzoy
Camden Square	c	c	*
Kensington	bc	bcc	*
Hampstead	bc	b	b

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0.1 Time 0-7h 26th
Min. <0.1 Time 7-23h 25th

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	45	29	-	-	6.8	*	*
Croydon	63	39	35	-	Tr	5.1	*	*
Greenwich	64	42	26	-	-	4.0	55	56
Westminster	63	48	40	-		*	59	55
Regents Park	66	44	32	-	-	*	50	58
Camden Square	65	45	38	-	-	*	*	53
Kensington	66	44	35	-	-	*	57	54
Hampstead	62	43	36	-	-	*	*	56

SECRET

Page 1 BRITISH SECTION

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

Saturday 27th June 1942

No. 29437

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)	24.2	-18	WNW	2	bc	69	45	46	7	2	-	-	7-8	7-8	2500
	Croydon	24.5	-14	NW'W	2	bc	70	45	49	7	1	4	1	2-3	4-6	3000
	S. Farnborough	24.5	-12	WNW	3	z0	71	45	45	7	1	-	1	4-6	4-6	3500
	Boscombe Down	24.9	-14	WNW	3	z0	69	55	51	6	2	-	-	7-8	7-8	4000
	Thorney Island	25.4	-10	SSW	3	bc	65	75	55	7	1	3	1	Tr	4-6	4000
	Lympne	25.1	-10	SSE	3	bc	61	65	48	8	1	-	1	1	4-6	4000
	Manston	25.3	-6	SSE	2	b	61	85	55	8	-	-	4	0	1	-
2	Shoeburyness	24.5	-20	S	3	b	66	45	56	8	1	3	-	1	1	2900
	Felixstowe	24.0	-18	S'E	4	bc	64	65	51	8	1	-	6	4-6	7-8	4000
	Gorleston	25.0	-4	SE'E	2	bc	59	65	46	7	2	-	-	2-3	2-3	3500
	Mildenhall	23.5	-16	W'N	4	bc	71	45	48	7	1	3	-	4-6	7-8	3000
	Cranwell	23.1	-10	NNW	3	z0	69	45	52	6	5	-	1	1	1	5000
3	Birmingham	24.7	-4	NW	3	c	64	55	49	8	5	-	1	7-8	7-8	4000
	Upper Heyford	26.1	-10	WNW	3	bc	67	55	51	7	2	-	1	4-6	4-6	3500
4	Ross-on-Wye	24.3	-14	WNW	3	bc	68	55	52	7	1	-	1	4-6	4-6	4000
5	Hartland Point	26.2	-6	WSW	2	bc	59	85	53	7	1	-	1	Tr	1	3000
	Bristol	25.5	-10	W'S	3	bc	69	65	57	6	4	3	-	1	4-6	4000
	Portland Bill	26.3	-6	SW	1	c	59	85	55	8	5	-	-	7-8	7-8	4000
	Plymouth	26.3	-10	SW	2	bc	64	75	55	7	1	-	1	4-6	4-6	4000
	The Lizard	26.6	-6	W	2	bc	65	75	56	8	7	-	-	2-3	2-3	3500
	Scilly (St. Mary's)	27.3	-2	W'S	2	bc	65	65	53	7	-	-	9	0	2-3	
	Guernsey															
6	Pembroke	27.2	0	N'E	4	b	63	65	52	8	1	-	-	Tr	Tr	4000
7	Holyhead (Valley)	26.8	-2	NNW	3	c	59	65	49	9	7	-	6	4-6	7-8	2500
	Chester (Sealand)	25.9	0	NW	4	c	59	65	47	8	1	-	2	2-3	7-8	3000
8	Manchester	25.1	-4	WNW	4	bc	59	65	46	7	4	3	1	4-6	7-8	2500
10	Spurn Head	24.3	-2	E'N	4	c	55	75	46	7	7	7	-	4-6	7-8	4000
	Catterick	23.8	-4	NE	3	z0	63	55	47	6	5	-	·	7-8	7-8	4300
	Tynemouth	25.0	-4	SE	3	bc	59	65	46	6	2	-	·	4-6	4-6	2800
11	St. Abbs Head	23.8	-8	NNW	1	bc	62	65	49	9	5	7	-	2-3	4-6	5000
	Leuchars	22.8	-14	W	3	c	68	55	52	9	5	-	4	7-8	7-8	3200
12	Renfrew (Abbots I.)	24.8	-6	WNW	4	c	61	75	52	8	5	2	-	9+	10	2000
	Eskdalemuir	23.6	-2	WNW	5	c	60	75	51	8	7	-	1	7-8	7-8	2500
	Point of Ayre	26.6	0	NW	3	c	58	92	55	8	5	4	-	7-8	9+	3000
13A	Tiree	26.3	0	NW'W	3	c	57	85	51	8	5	-	-	9+	9+	2500
13B	Stornoway	23.2	-6	WSW	5	c	58	85	53	8	5	7	-	7-8	10	2500
15	Dalwhinnie	24.1	-6	SSW	3	c	58	75	50	8	5	-	6	7-8	9+	1500
	Aberdeen	22.1	-10	NW	2	c	61	65	50	8	7	-	-	9+	9+	2800
	Wick	21.8	-6	WNW	5	c	58	75	48	9	5	3	-	7-8	9+	1500
16	Sumburgh	18.9	-8	W'N	3	z0	53	92	51	5	5	2	-	9+	10	200
17	Blacksod Point	29.6	-2	WNW	2	c	58	75	50	9	8	-	-	9+	9+	4000
18	Malin Head	27.3	-2	WNW	4	c	60	75	52	8	8	-	-	7-8	7-8	2500
	Aldergrove	27.4	-8	WNW	3	c	63	65	49	9	7	-	-	9+	9+	3000
19	Birr Castle	28.0	-6	N	1	c	65	55	49	8	5	-	8	7-8	9	2500
20	Valentia Obsy.	28.2	-2	NW	4	bc	62	75	54	9	1	-	6	2-3	4-6	2500
	Roches Point	28.1	-2	SE	3	bc	60	85	55	8	5	-	5	2-3	4-6	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)	22.2	-8	NNW	2	c	71	45	48	7	8	-	2	7-8	9	2500	0	*
Croydon	22.2	-14	WNW	2	bc	70	45	50	7	2	4	1	4-6	4-6	3000	0	*
S. Farnborough	22.6	-6	WNW	3	z0	70	55	49	6	5	-	4	7-8	9	4500	0	*
Boscombe Down	23.1	-6	NW'W	4	z0	69	55	53	6	4	-	1	4-6	4-6	4500	0	*
Thorney Island	23.4	-6	WSW	5	c	65	55	48	8	5	3	-	4-6	7-8	4000	0	*
Lympne	23.7	-6	S	2	bc	59	65	47	8	5	-	2	1	2-3	4500	0	§'
Manston	22.8	-6	SSW	3	bc	62	85	56	8	-	6	1	0	7-8	-	0	*
Shoeburyness	21.8	-12	NNW	2	c	70	55	46	5	1	-	-	7-8	7-8	4100	0	*
Felixstowe	21.8	-12	S'W	2	c	63	75	53	8	8	-	6	2-3	7-8	4000	0	2
Gorleston	23.8	-2	E	2	c	56	65	46	7	2	7	-	4-6	9	2500	0	3
Mildenhall	22.0	-10	N'W	2	c	68	55	50	6	5	-	-	9+	9+	4000	0	*
Cranwell	23.3	+6	E	4	bc	59	65	47	7	1	-	-	7-8	7-8	4000	0	*
Birmingham	23.9	0	NNW	4	b	63	55	48	8	-	-	1	0	2-3	~	0	*
Upper Heyford	23.0	-2	NNW	4	z0	68	55	52	6	1	-	6	2-3	4-6	4200	0	*
Ross-on-Wye	23.4	-4	WNW	3	bc	67	55	48	8	1	-	2	1	4-6	4000	0	*
Hartland Point	25.6	0	WNW	2	bc	60	65	49	8	1	-	1	1	4-6	3000	0	2
Bristol	24.1	-4	WNW	4	bc	68	55	52	8	5	3	1	2-3	7-8	4000	0	*
Portland Bill	24.7	-6	W	1	bc	60	85	56	8	1	-	-	4-6	4-6	4000	0	2
Plymouth	24.9	-8	NNW	3	bc	68	55	50	7	7	-	-	2-3	2-3	4000	0	3
The Lizard	25.4	-10	N'W	2	bc	65	75	56	8	7	-	-	4-6	4-6	3500	0	2
Scilly (St. Mary's)	26.6	-2	N'W	2	b	62	75	54	8	-	-	-	0	0	-	0	2
Guernsey																	
Pembroke	26.6	+4	N'E	5	bc	59	75	52	8	1	-	5	2-3	4-6	4000	0	2
Holyhead (Valley)	26.1	0	NNW	4	bc	59	75	49	8	1	4	6	Tr	4-6	3000	0	3
Chester (Sealand)	25.3	0	NW'W	5	bc	61	75	53	8	8	6	6	4-6	7-8	3000	0	*
Manchester	24.0	-2	WNW	5	c	63	65	52	8	4	-	1	7-8	7-8	4000	0	*
Spurn Head	23.9	0	E'S	3	c	54	75	46	7	7	7	1	4-6	7-8	2500	0	3
Catterick	23.2	+2	N	1	z0	65	55	50	6	5	2	-	4-6	9+	2500	0	*
Tynemouth	23.8	-4	SSE	3	c	58	65	47	7	8	3	-	4-6	7-8	2800	0	3
St. Abbs Head	21.8	-8	WNW	4	c	61	85	58	8	5	-	-	9+	9+	3500	0	2
Leuchars	22.0	+2	WNW	3	c	64	65	53	9	7	3	8	4-6	9+	3500	0	*
Renfrew (Abbots I.)	25.0	+2	WNW	2	c	57	75	49	9	5	7	-	9+	10	2500	0	*
Eskdalemuir	23.4	0	WNW	3	bc	59	75	50	8	5	7	1	2-3	7-8	1800	0	*
Point of Ayre	25.9	0	N	4	c	59	85	54	9	5	7	6	2-3	9+	3000	0	4
Tiree	25.3	-4	WNW	2	c	55	92	52	8	5	-	-	9+	9+	1800	0	2
Stornoway	22.9	+4	WSW	5	cpr	56	85	52	8	5	7	-	7-8	9+	2500	1	3
Dalwhinnie	24.1	-4	W	3	co	54	85	49	7	5	-	-	10	10	1500	0	*
Aberdeen	21.8	+4	NNW	3	cr	58	85	52	8	7	-	-	10	10	2500	0	1
Wick	21.2	-4	NW	2	cjp	56	75	49	8	8	7	-	9	9	2000	0	*
Sumburgh	18.6	-2	W'N	4	id0	51	92	49	5	5	2	-	9+	10	300	1	2
Blacksod Point	29.0	-6	NW'N	2	bc	58	75	50	9	8	-	2	2-3	4-6	4000	0	2
Malin Head	26.8	-2	WNW	4	c	58	75	50	8	4	6	5	2-3	7-8	2500	0	3
Aldergrove	27.4	0	NNE	1	cd	55	85	51	9	5	-	-	10	10	2500	1	*
Birr Castle	26.9	-6	N	1	c	66	55	50	8	5	-	-	7-8	7-8	2500	0	*
Valentia Obsy.	27.5	-2	NW	3	b	62	75	54	9	1	3	1	1	2-3	4000	0	3
Roches Point	27.3	-4	S	2	bc	61	85	56	8	5	-	5	4-6	4-6	2500	0	2

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)	bbcy	cz0cy	cbcby	bcwz0
Croydon	bz0by	bcycy	bcybcz0	bmzwbcz
S. Farnborough	bz0bcy	bccy	cz0bz0	bwz
Boscombe Down	bcz0y	cz0ybc	cm0b	bcm0
Thorney Island	bbc	bccy	cybcb	cm0bcc
Lympne	b	bc	bbc	bcc
Manston	bv	bcc	bcm0	bcw
Shoeburyness	bby	bybccy	cyzc	cwb
Felixstowe	bbccbc	bcbcyc	cbccbbc	bccbmc
Gorleston	bcy	bbcc	bc	cbcv
Mildenhall	bcy	bcycy	cbcbcw	bccwcmz
Cranwell	bcbz0	cm0bc	czcw	cwcz0
Birmingham	cbcc	cb	bbc	bcc
Upper Heyford	cbcm0	cbcz0y	bcm0	bcm0
Ross-on-Wye	bzcc	cby	bcb	bcc
Hartland Point	bbc	bc	bc	bc
Bristol	bm0bcbc	bccbc	bcybc	b1cw
Portland Bill	bcc	bcbc	bcb	bcc
Plymouth	bz0bbc	bc	b	bbcmz
The Lizard	bc	bc	bc	bc
Scilly (St. Mary's)	bc	bcb	bbcb	bbcw
Guernsey				
Pembroke	bcb	bc	bcw	c
Holyhead (Valley)	bcc	cbc	bc	cbcwv
Chester (Sealand)	cbcc	cbc	bcc	cbcc
Manchester	cm0bc	bccbc	bcc	cm0c
Spurn Head	c	c	bcc	c
Catterick	cz0	cz0cy	cz0c	bcc
Tynemouth	bcc	bcc	c	c
St. Abbs Head	bccm0bc	bcc	cbcc	c
Leuchars	bcycy	cycv	cbc	becbc
Renfrew (Abbots I.)	c	c	c	bcc
Eskdalemuir	bcc	epr0bc	bc	bc
Point of Ayre	cbcb	cbcc	cz0	c
Tiree	c	c	c c	c
Stornoway	c	cpr0		cpr0
Dalwhinnie	c	co	cir0bs	oco
Aberdeen	c	cir0		c
Wick	cr0d0m0c	ccjp	cd0cdd	cd0d0c
Sumburgh	dcr0rdcm	cm0id0		cm0c
Blacksod Point	c	bc	b	c
Malin Head	c	c	d	d
Aldergrove	cd0RRccv	cyir0id0	cbc	bcc
Birr Castle	c	c		b
Valentia Obsy.	bc	bc	bc	bc
Roches Point	cbc	bc	pr	bc

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales	Light Northwesterly winds. Fair. Average temperature.
8 N.W. England; 9 N. Midlands	Moderate Northwest to West wind. Cloudy with slight local rain or drizzle. Average temperature or rather cool.
10 N.E. England; 11 S.E. Scotland	Light to moderate Northwest to West wind. Fair, but with considerable cloud. Average temperature.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate Westerly wind, fresh locally in North. Cloudy with occasional rain or drizzle. Average temperature or rather cool.
16 Orkneys and Shetlands; 17 N.W. Ireland; 18 N.E. Ireland	As. 12-15.
19 S.E. Ireland; 20 S.W. Ireland	As 1-7.

GENERAL INFERENCE

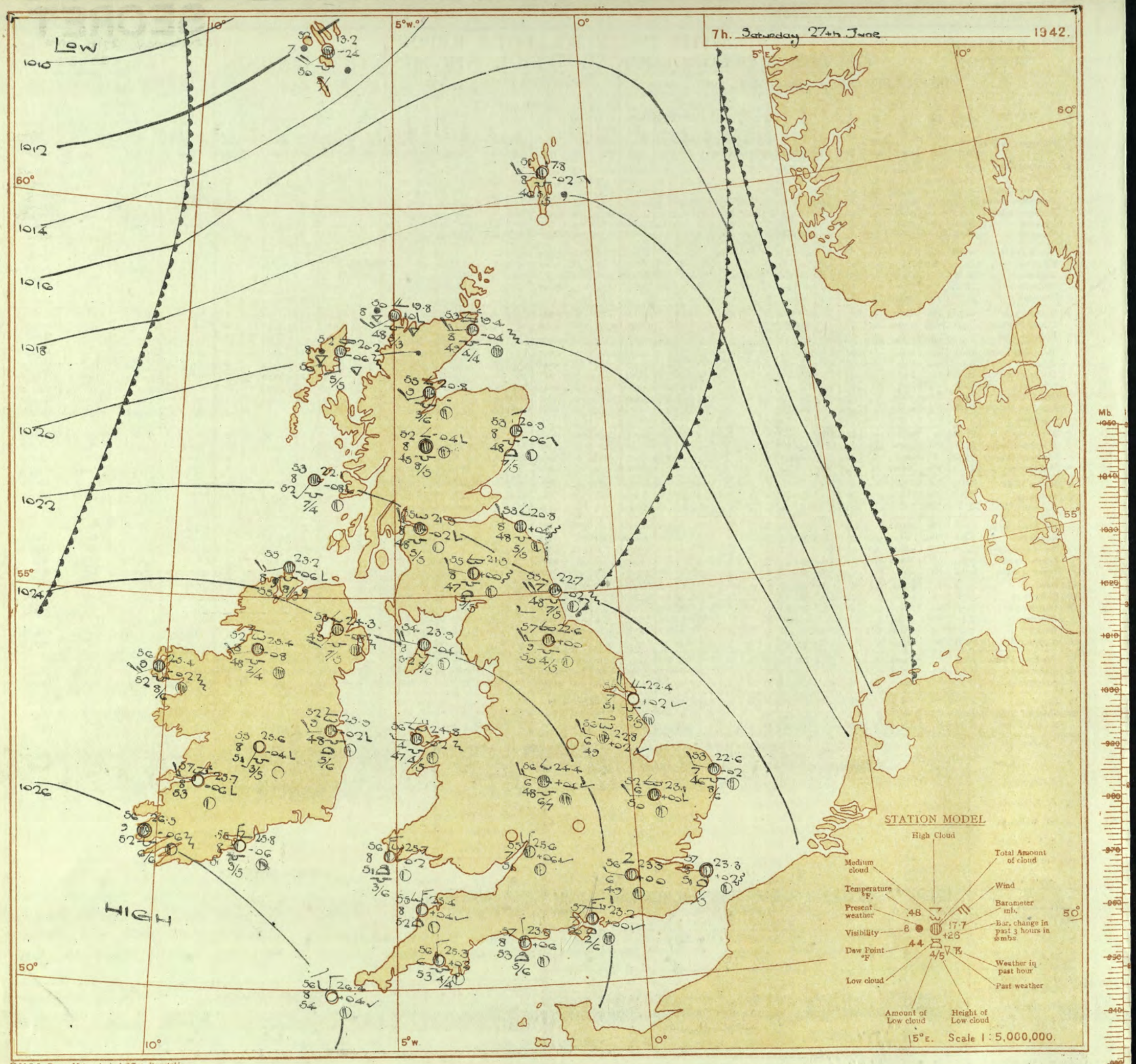
The anticyclone to the Southwest of the British Isles is declining. A depression near Iceland will move east, and associated troughs of low pressure will affect the North and North-west of the British Isles, where there will be occasional rain or drizzle. It will continue fair in the South. Temperatures generally will be near the seasonal average.

FURTHER OUTLOOK

Rather unsettled in North. Continuing fair in South.

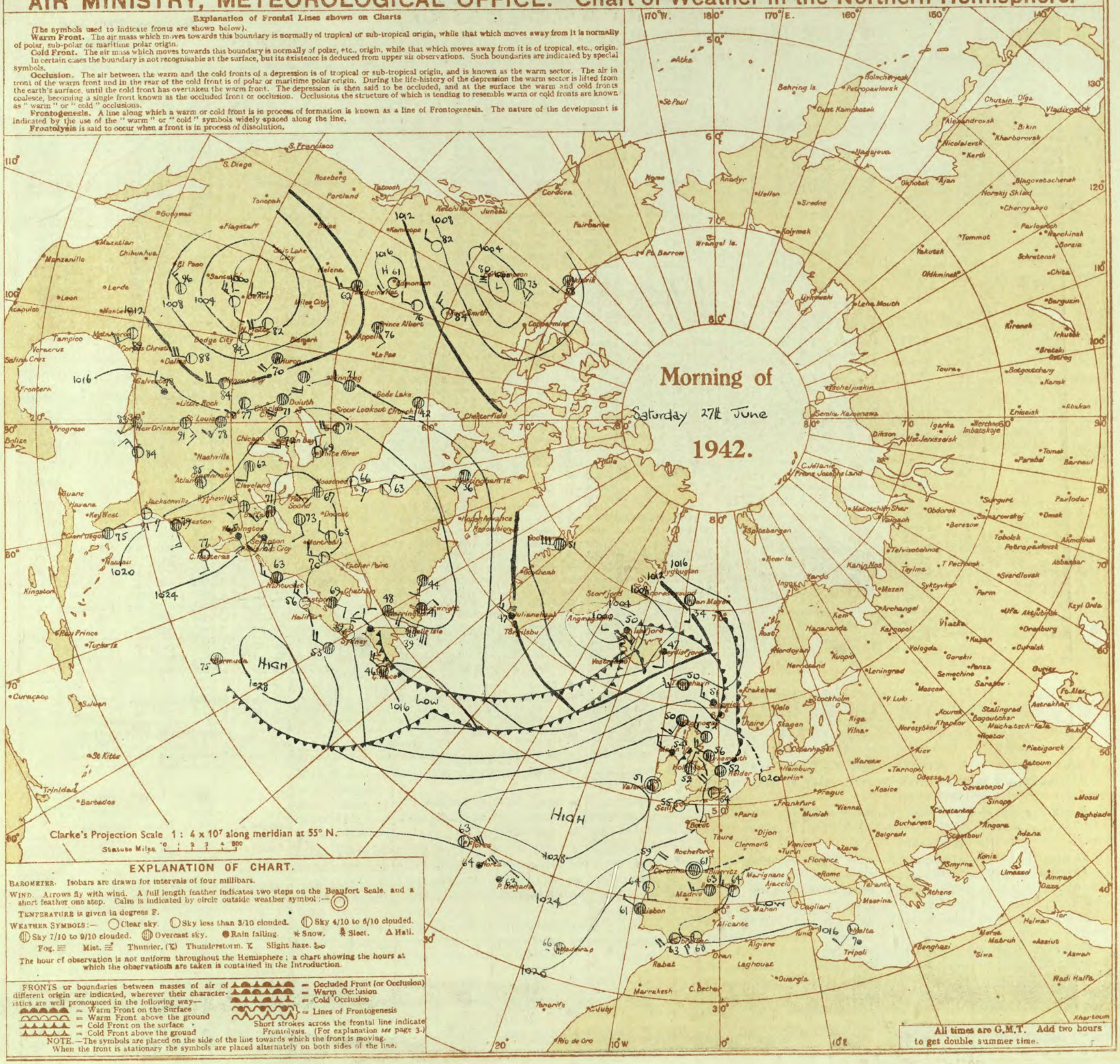
Forecasts issued at 10.30.

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



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

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

BRITISH SECTION

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

Saturday 27th June 1942

No. 29437

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)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon ...	290	23·3	+2	ENE	2	b	54	85	50	6	5	-	-	Tr	Tr	5000
	S. Farnborough	226	23·6	0	W'N	1	2_o	53	75	47	6	-	-	4	0	Tr	-
	Boscombe Down	417	24·4	+2	NW'N	3	bc	50	82	47	7	-	-	6	0	2-3	-
	Thorney Island	10	23·0	0	N	2	b	53	85	49	7	-	-	-	0	0	-
	Lympne ...	283	23·2	-2	NW	2	bc	49	92	46	7	5	7	2	4-6	4-6	5000
	Manston ...	154	22·7	+2	NNE	2	bc	54	97	54	7	-	-	2	0	2-3	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	23·2	-2	N'E	1	c	50	85	47	8	-	-	6	0	7-8	-
	Gorleston ...	5	23·6	0	ENE	1	bc	50	75	43	7	-	4	-	0	2-3	-
	Mildenhall ...	15	23·4	0	-	0	bc	46	92	43	7	-	4	2	0	4-6	-
	Cranwell ...	203	23·5	-6	W'S	3	c	50	85	45	7	-	-	2	0	9	-
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	23·9	+2	N'W	2	2_o	51	92	49	6	-	-	6	0	4-6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25·3	-2	N	3	bc	54	92	52	8	-	4	-	0	2-3	-
	Bristol ...	209	24·8	-2	WSW	1	bc	53	85	48	7	-	-	1	0	2-3	-
	Portland Bill ...	32	24·2	+4	N	1	b	56	92	54	8	-	-	-	0	0	-
	Plymouth ...	82	25·4	0	NNW	3	b	53	85	49	7	-	-	-	0	0	-
	The Lizard ...	240	26·0	+4	N	3	bc	53	92	50	8	7	-	-	2-3	2-3	3000
	Scilly (St. Mary's)	163	26·7	-2	E	2	b	55	87	53	8	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	26·4	-2	N'W	4	bc	52	92	50	8	5	-	-	2-3	2-3	4000
7	Holyhead (Valley)	32	25·7	-6	NNE	1	c	52	85	49	9	5	-	-	9+	9+	3500
	Chester (Sealand)	16	24·8	-4	WNW	3	c	55	85	51	7	5	7	-	4-6	9	4500
8	Manchester ...	235	24·2	-2	-	0	2_o	51	87	50	6	-	4	1	0	4-6	-
10	Spurn Head ...	29	23·2	-6	WSW	4	c	52	75	45	7	7	7	-	4-6	9	2500
	Catterick ...	175	23·3	-6	NW	3	c	56	65	46	7	5	7	-	4-6	9	4000
	Tynemouth ...	108	23·3	-4	NW	4	c	56	75	48	6	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	20·7	-10	W	4	c	55	75	47	7	5	4	-	4-6	7-8	2500
	Leuchars ...	36	21·5	-6	W	3	bc	53	92	50	8	5	4	8	2-3	4-6	3500
12	Renfrew (Abbots L.)	19	23·2	-10	NE'N	1	c	53	85	49	8	5	3	5	4-6	7-8	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	23·3	-6	NNW	3	c	53	92	51	8	4	4	7	Tr	10	3500
13A	Tiree	22	24·2	-12	-	0	c	53	92	51	8	5	-	-	9+	9+	2500
13B	Stornoway ...	80	22·5	-4	SW	3	c	50	97	49	8	5	7	-	2-3	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	21·5	-2	NW'N	3	c	52	85	48	9	5	-	-	9+	9+	1400
	Wick ...	114	21·1	-6	NW	3	d_d	49	92	47	8	5	-	-	4-6	4-6	800
16	Sumburgh ..	19	18·3	-4	NW	4	c/d	50	97	49	6	5	2	-	9	10	500
17	Blacksod Point	18	27·4	-12	WSW	1	b	47	92	45	8	-	-	5	0	1	-
18	Malin Head ...	84	25·2	-10	W'N	3	i_d	54	97	53	7	5	2	-	4-6	10	800
	Aldergrove ...	268	26·3	-6	-	0	c	49	85	45	8	5	-	8	1	7-8	3000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	27·4	-6	-	0	bc	51	92	49	9	-	3	-	0	4-6	-
	Roches Point	22	27·2	-2	-	0	c	58	92	56	8	5	-	-	9	9	1500

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)	°F. Dew Point. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	23·2	+4	NW	2	2_o	58	75	48	6	5	-	6	1	4-6	4000	0	*
	Croydon ...	23·3	0	WNW	1	2_o	56	75	50	6	-	-	6	0	7-8	-	0	*
	S. Farnborough	23·7	+2	NW	2	2_o	55	75	49	6	-	-	5	0	2-3	-	0	*
	Boscombe Down	24·5	+6	N'W	3	bc	54	85	51	7	1	3	2	Tr	2-3	3000	0	*
	Thorney Island	23·2	0	N	3	c	57	75	49	7	1	-	2	1	7-8	4000	0	*
	Lympne ...	23·3	+2	-	0	bc	57	85	51	8	1	-	2	Tr	4-6	2500	0	§1
	Manston ...	22·8	0	N	1	bc	58	75	48	8	-	-	8	0	2-3	-	0	*
2	Shoeburyness ...	23·0	+2	WNW	1	b	58	75	49	7	-	3	1	0	1	-	0	*
	Felixstowe ...	22·7	-2	W	3	c	55	75	48	7	-	7	-	0	9+	-	0	2
	Gorleston ...	22·6	-2	WNW	2	c	53	75	46	7	5	-	-	10	10	3500	0	2
	Mildenhall ...	23·1	0	W	2	2_o	52	92	47	6	-	7	-	0	9+	-	0	*
	Cranwell ...	22·8	+2	W'N	3	c	56	75	49	6	-	3	1	0	9	-	0	*
3	Birmingham ...	24·3	0	NNW	3	c	55	75	48	7	5	-	-	9	9	5700	0	*
	Upper Heyford	23·9	0	N'W	4	2_o	55	85	50	6	-	3	-	0	9+	-	0	*
4	Ross-on-Wye	24·8	0			c	54	85	49	9	5	-	-	9+		3500	0	*
5	Hartland Point	25·4	+4	N	3	bc	55	92	52	8	2	5	-	1	4-6	2000	0	3
	Bristol ...	25·6	+6	N	1	c	55	85	51	7	-	4	-	0	7-8	-	0	*
	Portland Bill ...	23·9	+6	NNW	2	c	57	85	53	8	2	-	-	7-8	7-8	4000	0	2
	Plymouth ...	25·3	+2	N	2	bc	56	85	53	6	5	-	-	4-6	4-6	1300	0	2
	The Lizard ...	25·3	0	N	3	bc	56	92	54	8	7	4	-	2-3	4-6	3500	0	3
	Scilly (St. Mary's)	26·4	+4	N	2	bc	56	85	54	8	-	4	4	0	2-3	-	0	1
6	Pembroke ...	25·7	-2	N'W	3	c	56	85	51	8	8	3	-	2-3	7-8	3500	0	2
7	Holyhead (Valley)	24·8	-2	W	1	c	56	75	47	9	5	5	2	4-6	9	2500	0	*
	Chester (Sealand)	24·7	+2	NW	3	c	59	65	48	8	1	3	4	1	7-8	3300	0	*
8	Manchester ...	23·9	-2	WNW	3	c	56	85	50	7	2	-	-	7-8	7-8	2500	0	*
10	Spurn Head ...	22·4	+2	NW	4	c	55	85	51	7	5	2	-	7-8	10	2500	0	3
	Catterick ...	22·6	0	W	3	c	57	75	50	9	5	7	5	4-6	9	2000	0	*
	Tynemouth ...	22·7	-2	W	4	c	55	75	48	7	5	-	-	9+	9+	3000	1	3
11	St. Abbs Head	20·8	+4	WNW	3	c	53	85	48	8	5	4	-	7-8	7-8	2500	0	3
	Leuchars ...	21·2	+2	WSW	1	bc	57	65	47	9	5	3	4	2-3	4-6	3000	0	*
12	Renfrew (Abbots L.)	21·0	-2	WNW	3	c	55	75	48	8	5	3	-	7-8	9	2700	0	*
	Eskdalemuir ...	21·5	0	WNW	2	bc	55	75	47	8	7	7	*	2-3	4-6	2500	0	*
	Point of Ayre ...	23·3	-4	WNW	4	c	54	92	52	8	5	-	-	10	10	4000	0	
13A	Tiree	22·1	-8	SW'W	1	c	53	92	52	8	5	-	-	9+	9+	1800	0	2
13B	Stornoway ...	20·3	-6	SSE	2	pr	52	97	50	8	5	7	-	7-8	10	2300	1	1
15	Dalwhinnie ...	22·1	-4	E	1	c	52	75	45	8	5	1	-	10	10	2500	0	*
	Aberdeen † ...	20·8	-6	NNW	2	c	53	85	48	8	7	-	-	9+	9+	2500	1	2
	Wick ...	20·3	-2	W'N	1	c	53	85	47	9	8	7	-	4-6	9+	3500	0	*
16	Sumburgh ..	18·7	0	WNW	3	c	51	85	47	8	5	-	-	9	9	900	0	2
17	Blacksod Point	25·4	-2	WSW	3	c	56	85	52	9	5	-	-	10	10	4000	0	2
18	Malin Head ...	23·2	-6	W'S	3	i_d	55	97	54	8	5	-	-	10	10	800	1	3
	Aldergrove ...	24·3	-8	SW	2	c	53	85	49	9	5	4	-	9+	9+	2400	0	*
19	Birr Castle ...	25·6	-4	SSW	1	bc	55	85	51	8	5	-	-	2-3	2-3	2500	0	*
20	Valentia Obsy.	26·5	-6	-	0	c	56	85	52	9	5	-	-	9	9	4000	0	2
	Roches Point	25·8	-6	N	1	bc	55	85	51	8	5	-	5	2-3	4-6	2500	0	6

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 Hrs. (38)
1	London (Kew)	72	51	36	-	-	10.9
	Croydon ...	73	47	42	-	-	11.4
	S. Farnborough	73	47	39	-	-	10.2
	Boscombe Down	72	45	42	-	-	9.4
	Thorney Island	68	49	44	-	-	*
	Lympne ...	64	45	*	-	-	11.7
	Manston ...	65	47	38	-	-	12.2
2	Shoeburyness ...	73	45	35	-	-	12.6
	Felixstowe ...	68	47	41	-	-	13.3
	Gorleston ...	69	47	42	-	-	12.4
	Mildenhall ...	73	40	36	-	Tr	12.2
	Cranwell ...	*	47	37	-	-	9.3
3	Birmingham ...	69	51	46	-	-	8.7
	Upper Heyford	71	47	46	-	-	*
4	Ross-on-Wye	71	50	43	-	-	9.9
5	Hartland Point	64	53	50	-	-	13.2
	Bristol ...	71	50	38	-	-	10.6
	Portland Bill ...	62	54	*	-	-	*
	Plymouth ...	69	50	47	-	-	13.0
	The Lizard ...	67	50	*	-	-	12.1
	Scilly (St. Mary's)	65	52	*	-		14.0
6	Pembroke ...	65	46	*	-	-	9.4
7	Holyhead (Valley)	61	49	40	-	-	*
	Chester (Sealand)	62	53	49	-	-	8.9
8	Manchester ...	65	49	41	-	-	*
10	Spurn Head ...	62	52	*	-	-	10.2
	Catterick ...	68	51	47	-	-	9.7
	Tynemouth ...	59	53	51	-	-	*
11	St. Abbs Head	68	52	*	-	-	*
	Leuchars ...	70	50	46	-	-	7.2
12	Renfrew (Abbots L.)	63	51	41	-	-	1.1
	Eskdalemuir ...	64	50	48	Tr	-	7.7
	Point of Ayre ...	64	51	*	-	-	7.3
13A	Tiree	59	52	*	-	0.2	0.7
13B	Stornoway ...	59	49	*	0.4	Tr	1.4
15	Dalwhinnie ...	59	47	42	-	-	0.1
	Aberdeen † ...	63	50	48	Tr	0.1	1.6
	Wick ...	60	45		0.4	0.1	*
16	Sumburgh ..	53	49	46	1	-	0.0
17	Blacksod Point	61	51	*	-	-	*
18	Malin Head ...	60	53		-	-	2.9
	Aldergrove ...	63	46	36	0.5	-	0.8
19	Birr Castle ...	67	48	43	-	-	2.5
20	Valentia Obsy.	65	50	41	-	Tr	13.7
	Roches Point	63	54	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 26th June ... 18h. G.M.T.						01h. G.M.T. 27th 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 52	03847	25558	5-	51748	25358	5-	02857	27357	57	02844	24327
115 53	02844	20467	52	81735	28488	52	09735	24388	52	81835	20388
203			5-	02848	20328						
206 51	02967	22368	52	22956	24368	53	02866	00027	51	01963	22217
210 77	02944	23357	83	10944	25366	5-	21844	28368	53	02964	22327
220			83	09844	24215						
230 52	02846	26327	54	02756	30228	5-	02758	18228	52	02856	04128
245 53	02966	16317	51	02956	00028	5-	02966	12166	74	02965	18116
260 74	02863	24315	8-	02863	25325	57	02764	25416	57	02761	22314
275 74	02944	28457	14	02851	61527	54	02847	26327	5-	52627	27357
279 56	02966	28226	52	02865	30326	54	01853	26324	5-	02857	22227
285									5-	51638	28458
288 53	05665	02325	00	02790	07215	07	05690	22327	5-	02757	24227
575 7-	25857	28367	8-	05967	26227	00	01890	00014	53	02842	22226
301 20	02851	28425	53	02873	28527	53	02772	30326	5-	02857	26427
321 10	05661	28326	5-	02766	09327	53	05661	22214	87	05666	26317
299 54	01764	00004				80	02756	22216	5-	02765	22125
292 7-	05666	00026	57	05662	14226	53	01753	20114	54	02969	27315
310 --	01644	24414							--	01625	26415
614 20	05654	24114	20	05656	30317	03	05690	00026	05	05690	28226

13h. G.M.T. 26th June ... 18h. G.M.T.						01h. G.M.T. 27th 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
333 53	02964	30306	54	01962	32413	04	02990	26215	5-	01964	28115
334 --	01762	32213							--	03647	18128
340 10	01862	31414	70	01963	29314	00	02890	28226	84	02376	30216
136 10	05665	24215	5-	02876	06316	03	02890	22116	5-	05687	25327
336 10	01653	24413	50	01753	28414				50	01754	22315
350 2-	15663	26314	10	01861	28224	50	05690	23134	50	05577	22127
368 14	00751	22313	00	01790	24314	04	00790	28111	53	02872	30127
379 20	05655	28315	10	02752	28325	00	01790	28314	5-	02757	30327
390 10	00863	30113	00	05690	26225	00	05690	28103	53	02741	26115
382 7-	02764	26324	10	05662	30326	00	01790	30213	17	05651	31113
438 00	01790	22314	02	01790	22314	03	01790	32313	04	05690	04214
430 50	02764	20315	40	01864	22314	00	00790	04310	10	05661	32214
409 00	01890	25314	10	00761	31311	04	00890	31201	50	01844	32324

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 27th 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	bbcy	czocy	cbcby	
Croydon ...	bzoby	bcycy	bcybczo	
Greenwich ...	bcy	cy	c/b	Kew 24 hours ended 7h. Max. Time 0·1
Camden Square	b	c	*	
Kensington ...	bcz	bcz	*	Min. Time whole period
Hampstead ...	b	bc	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	72	51	36	-	-	10·9	*	*
Croydon ...	73	47	42	-	-	11·4	*	*
Greenwich ...	74	48	33	-	-	11·2	47	57
Westminster ...	74	52	43	-	-		68	44
Regents Park ...	74	49	39	-	-		49	63
Camden Square	75	51	43	-	-	*	*	66
Kensington ...	74	50	41	-	-		51	73
Hampstead ...	73	49	47	-	-		*	71

BRITISH SECTION

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

SECRET

Sunday 28th June 1942

No. 29438.

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)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud Form Low. (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	22·2	0	NNW	2	c	69	45	46	8	7	3	-	7-8	9	2500
	Croydon ...	22·3	-2	NW	3	c	71	45	50	8	7	4	-	2-3	9+	2600
	S. Farnborough	22·6	-2	NW	3	c	70	55	53	8	8	-	-	9	9	4500
	Boscombe Down	23·2	-4	NW	3	bc	67	55	48	8	8	-	-	9	9	3000
	Thorney Island	22·6	0	[illegible]	3	c	68	65	55	7	8	-	-	7-8	7-8	3700
	Lympne ...	22·9	+2	SSE	2	c	59	75	51	8	8	-	-	7-8	10	3500
	Manston ...	22·3	-2	SE	1	c	65	85	50	7	8	-	-	9+	9+	6000
2	Shoeburyness ...	21·9	-2	NW	2	c	69	45	47	7	5	-	-	9	9	2800
	Felixstowe ...	21·9	-2	WNW	3	c	68	55	50	7	7	-	-	9+	9+	4000
	Gorleston ...	22·1	-2	W	4	c	59	85	54	7	2	-	-	7-8	7-8	1500
	Mildenhall ...	20·0	-2	NW	3	c	66	55	49	7	7		-	7-8	9+	2400
	Cranwell ...	22·1	-2	NW	4	2o	61	65	49	6	5	-	-	10	10	6000
3	Birmingham ...	23·2	-4	NW	2	c	61	55	45	8	5	7	-	9	9+	4000
	Upper Heyford	22·8	-6	NW	4	c	66	55	46	8	7	-	-	4-6	9+	2500
4	Ross-on-Wye	23·4	-4	WNW	3	c	64	65	50	8	5	-	-	10	10	3500
5	Hartland Point	25·6	+2	NW	2	bc	63	63	52	8	2	4	-	2-3	4-6	2500
	Bristol ...	24·2	-6	W	3	c	66	55	49	8	7	9	-	7-8	9+	3400
	Portland Bill ...	23·6	-6	W	1	c	65	85	60	8	2	4	-	4-6	7-8	4000
	Plymouth ...	24·9	-4	NW	2	c	67	55	49	9	1	4	1	7-8	7-8	3000
	The Lizard ...	25·4	0	NNW	8	bc	66	65	53	8	2	6	-	4-6	4-6	3500
	Scilly (St. Mary's)	26·5	0	N	2	bc	63	75	54	8	1	-	5	1	2-3	1800
	Guernsey ...															
6	Pembroke ...	25·4	-4	WNW	2	bc	61	85	58	8	2	3	-	1	4-6	3000
7	Holyhead (Valley)	23·7	-8	SW	3	c	61	65	48	9	2	3	2	1	9	3000
	Chester (Sealand)	22·3	-10	NW	5	bc	63	65	50	8	2	3	9	2-3	4-6	3500
8	Manchester ...	22·6	-8	W	3	c	60	65	49	8	7	-	-	9	9+	2600
10	Spurn Head ...	21·9	-2	WNW	4	o	60	65	48	7	9	-	-	10	10	3500
	Catterick ...	21·3	-12	WSW	3	c	62	65	50	9	5	-	-	9+	9+	3000
	Tynemouth ...	21·9	-4	SSE	3	c	57	75	49	8	3	-	-	9+	9+	3500
11	St. Abbs Head	20·0	-8	SE	8	c	58	75	47	8	8	2	-	7-8	10	3000
	Leuchars ...	19·2	-10	W	2	c	63	65	49	9	5	2	-	7-8	10	3000
12	Renfrew (Abbotsl.)	20·4	-10	WNW	3	c	60	65	51	8	5	-	1	9+	10	2500
	Eskdalemuir ...	20·6	-8	W	3	c	59	75	50	8	5	7	-	7-8	9+	2200
	Point of Ayre ...	22·5	-10	WNW	4	c	64	75	55	8	5	7	-	1	10	2500
13A	Tiree ...	18·9	-16	SW	4	c	57	92	55	8	5	-	-	9	9	2500
13B	Stornoway ...	15·4	-18	SSW	6	c+	53	92	52	8	5	2	-	7-8	10	2000
15	Dalwhinnie ...	19·7	-16	SW	3	o	57	65	46	8	5	5	-	4-6	10	2500
	Aberdeen ...	19·3	-10	SW	2	ir	55	85	50	7	5	2	-	2-3	10	2500
	Wick ...	17·9	-20	WSW	2	r	53	85	48	7	6	2	-	2-3	10	3000
16	Sumburgh ...	16·7	-12	SW	3	ir	51	92	49	8	5	7	-	4-6	10	3000
17	Blacksod Point	23·0	-10	WSW	4	c	62	75	54	8	8	-	-	9+	9+	2500
18	Malin Head ...	20·7	-10	W	4	c	59	85	54	8	5	-	-	7-8	7-8	1500
	Aldergrove ...	22·1	-14	WSW	3	c	63	55	48	8	7	1	2	7-8	9+	3500
19	Birr Castle ...	24·4	-8	SW	3	c	62	65	50	8	5	1	-	7-8	9	2500
20	Valentia Obsy.	26·3	-6	W	3	bc	61	75	53	9	5	-	2	2-3	7-8	4000
	Roches Point	24·6	-8	SW	2	bc	62	85	57	8	8	-	1	4-6	4-6	2500

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)	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)	26·7	-2	NNW	3	c	67	55	48	8	7	3	-	4-6	7-8	2500	0	*
	Croydon ...	26·7	-2	NW	3	c	67	55	50	8	8	3	-	4-6	9	3500	0	*
	S. Farnborough	26·1	-2	NNW	3	c	67	45	47	9	7	3	-	7-8	9	4000	0	*
	Boscombe Down	26·9	0	NW	3	c	69	65	52	8	7	-	-	9+	9+	3000	0	*
	Thorney Island	26·8	0	NNW	3	bc	67	55	52	8	7	3	-	4-6	7-8	4000	0	*
	Lympne ...	26·9	+6	SSW	1	c	62	75	53	9	5	3	-	7-8	9+	4500	0	§ 2
	Manston ...	26·3	-2	WNW	1	c	65	75	55	7	8	-	-	9+	9+	3000	0	*
2	Shoeburyness ...	26·2	-2	NNW	2	c	68	55	51	7	5	-	-	7-8	7-8	3800	0	*
	Felixstowe ...	26·7	0	NE	2	c	60	75	51	7	5	-	-	7-8	7-8	4000	0	·
	Gorleston ...	26·9	0	NE	2	c	59	75	50	7	5	-	1	9	9	2900	0	2
	Mildenhall ...	26·2	-6	NW	2	c	64	55	48	7	4	3	1	7-8	9+	3000	0	*
	Cranwell ...	26·8	-10	WNW	3	2o	62	65	49	6	5	-	-	2-3	2-3	6000	0	*
3	Birmingham ...	26·8	-10	WNW	2	c	64	55	45	8	5	7	-	9	9+	2500	0	*
	Upper Heyford	26·9	-10	WNW	3	bc	65	55	50	8	7	3	-	4-6	7-8	3500	0	*
4	Ross-on-Wye	22·1	-10	W	2	c	65	55	50	9	4	-	8	9	9+	4000	0	*
5	Hartland Point	24·4	-2	W	3	bc	62	85	57	8	[illegible]	4	6	1	4-6	2500	0	3
	Bristol ...	23·5	-2	W	3	c	63	75	53	8	5	3	1	4-6	9+	5300	0	*
	Portland Bill ...	22·9	+6	W	2	c	61	85	58	8	5	-	-	10	10	4000	1	2
	Plymouth ...	24·2	0	NW	3	bc	65	55	50	9	1	5	6	1	4-6	3000	0	2
	The Lizard ...	24·6	-4	NNW	2	bc	65	55	50	8	2	6	-	2-3	4-6	3500	0	1
	Scilly (St. Mary's)	25·5	-6	WSW	2	c	62	75	53	8	5	3	4	4-6	9	1800	0	1
	Guernsey ...																	
6	Pembroke ...	24·4	-4	W	4	2o	57	92	55	7	5	7	-	4-6	7-8	3000	0	2
7	Holyhead (Valley)	21·6	-12	SSW	3	c	59	75	50	8	4	5	7	7+	10	3500	0	2
	Chester (Sealand)	21·5	-10	NW	3	c	62	65	50	8	4	7	6	1	7-8	4000	0	*
8	Manchester ...	21·4	-10	W	4	c	63	55	45	9	4	3	2	7+	7-8	4000	0	*
10	Spurn Head ...	20·8	-8	SSE	3	c	57	85	53	7	8	7	-	4-6	9+	2500	0	3
	Catterick ...	20·0	-6	WSW	3	c	61	65	50	8	5	2	-	7-8	9+	3000	0	*
	Tynemouth ...	19·6	-6	W	4	c	64	65	51	8	3	-	-	9	9	4000	0	3
11	St. Abbs Head	17·3	-8	WNW	3	c	60	75	51	8	5	2	-	7-8	10	2800	0	2
	Leuchars ...	16·8	-10	SW	4	ir	61	75	52	9	5	2	-	2-3	10	2500	0	*
12	Renfrew (Abbotsl.)	18·0	-14	SWW	2	c/r	57	85	52	6	6	-	-	4-6	10	800	1	*
	Eskdalemuir ...	18·5	-10	WSW	4	c	59	75	50	8	5	-	-	10	10	2200	0	*
	Point of Ayre ...	20·3	-8	WS	4	c	62	75	55	8	4	7	-	7+	10	3000	0	2
13A	Tiree ...	14·8	-16	SWW	4	rr	55	91	55	4	-	2	-	10	10	100	1	5
13B	Stornoway ...	10·2	-14	SSW	6	dd	54	97	54	7	5	-	-	10	10	1000	1	3
15	Dalwhinnie ...	16·4	-18	SSW	3	c	55	65	45	8	5	-	2	7-8	9+	2500	0	*
	Aberdeen ...	15·1	-22	SW	3	r	55	92	52	6	5	2	-	2-3	10	1700	1	1
	Wick ...	12·5	-30	SSW	4	c/r	53	91	51	8	5	2	-	4-6	10	3500	1	*
16	Sumburgh ...	13·4	-24	SSW	4	rr	50	97	49	6	5	2	-	7-8	10	2500	1	2
17	Blacksod Point	20·4	-14	SW	5	DD	56	97	55	6	-	2	-	10	10	800	1	4
18	Malin Head ...	17·9	-16	WSW	4	r	56	97	55	6	6	2	-	10	10	800	1	3
	Aldergrove ...	19·9	-4	WSW	3	c	59	75	51	8	7	-	-	7-8	10	2500	0	*
19	Birr Castle ...	22·4	-14	SW	3	c	63	55	48	8	5	1	-	7-8	10	2500	0	*
20	Valentia Obsy.	25·1	-6	WS	4	c	60	75	53	9	1	3	2	2-3	9+	2500	0	3
	Roches Point	23·2	-6	N	3	c	63	85	59	8	5	-	5	4-6	7-8	2500	0	3

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 27th (39)	Weather 13h.—18h. 27th (40)	Weather 18h.—1h. 27th/28th (41)	Weather 1h.—7h. 28th (42)
1	London (Kew)	bcz₀cy	cy	cy	cz₀
	Croydon ...	bcz₀cy	cy	cyc	c
	S. Farnborough	bccy	cy	cycbcc	cwz₀c
	Boscombe Down	bcy	cy	cbc	bcm₀cir₀
	Thorney Island	bcc	cz₀bcy	bcyc	ccm₀c
	Lympne ...	bcbyc	c	cm₀cbc	bcfgcpr₀
	Manston ...	bbcc	c	ccz₀m₀	bcm₀
2	Shoeburyness ...	cz₀yczsy	bcc		cm₀
	Felixstowe ...	ccy	cycyz₀cy	ccm₀	cm₀
	Gorleston ...	c	c	cbcc	c
	Mildenhall ...	bccy	cyc	cycz₀bcz₀	ccir₀c
	Cranwell ...	cz₀	cz₀bz₀	cz₀	cm₀
3	Birmingham ...	cbcc	c	c	c
	Upper Heyford	cm₀bcz₀	cybcy	bcyc	ccm₀c
4	Ross-on-Wye	cybcc	cbcc	c	c
5	Hartland Point	bc	bc	bcc	c
	Bristol ...	cbccv	c	ccm₀	cmoir₀
	Portland Bill ...	cc	cc	bc	c
	Plymouth ...	bccy	bcy	bcybc	cm₀
	The Lizard ...	bc	bcy	bccw	cbcc
	Scilly (St. Mary's)	bc	bc	c	bw
6	Pembroke ...	cbc	cz₀	c	c
7	Holyhead (Valley)	cwc	c	cr₀r₀	cr₀rbc
	Chester (Sealand)	c, bc	bcc	ccz₀	cirm₀
8	Manchester ...	c	cbccy	c	cmr₀r₀
10	Spurn Head ...	o	c	c	o
	Catterick ...	c	c	cirbc	c
	Tynemouth ...	c	c	c	c
11	St. Abbs Head	c	c	crc	bcc
	Leuchars ...	bcc	ccir	circbc	bcc
12	Renfrew (Abbotsl.)	c	cpr₀c	cmoid₀d₀	c
	Eskdalemuir ...	bcc	c	prpr₀	r₀ir₀
	Point of Ayre ...	c	c	cid₀c	cid₀
13A	Tiree ...	cid₀	orr	cid	orrd
13B	Stornoway ...	cpfrr	ovvdd	eddpr	cpr
15	Dalwhinnie ...	o	oprc		c
	Aberdeen ...	cir₀	cir₀r₀	cr₀rc	c
	Wick ...	cr₀r₀	crrc	cprc	cbc
16	Sumburgh ...	cir₀	crrm₀	cr₀r₀idrf	cfcmff
17	Blacksod Point	c	d	d	c
18	Malin Head ...	c	r	d	d
	Aldergrove ...	cd₀ccy	ccjpcir₀	cdcir₀	cd₀c
19	Birr Castle ...	c	c		r
20	Valentia Obsy.	bc	bc	r	d
	Roches Point	bc	c	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 28th June 1942.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light to moderate Southwest to West wind; mainly cloudy, slight local rain or showers; average temperature.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales	Light to moderate Westerly wind; mainly cloudy, occasional slight rain or showers, patches of coast fog; average temperature.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Moderate West to Southwest wind, becoming fresh on coasts; cloudy, occasional rain or drizzle, local coast fog; average temperature.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh Westerly wind, backing Southwest and becoming strong in places later; cloudy, occasional rain or showers at first, more continuous rain spreading from West later, some hill and coastal fog;
16 Orkneys and Shetlands	average temperature.
17 N. W. Ireland 18 N. E. Ireland	As 7-12
19 S. E. Ireland 20 S. W. Ireland	As 4-6

GENERAL INFERENCE

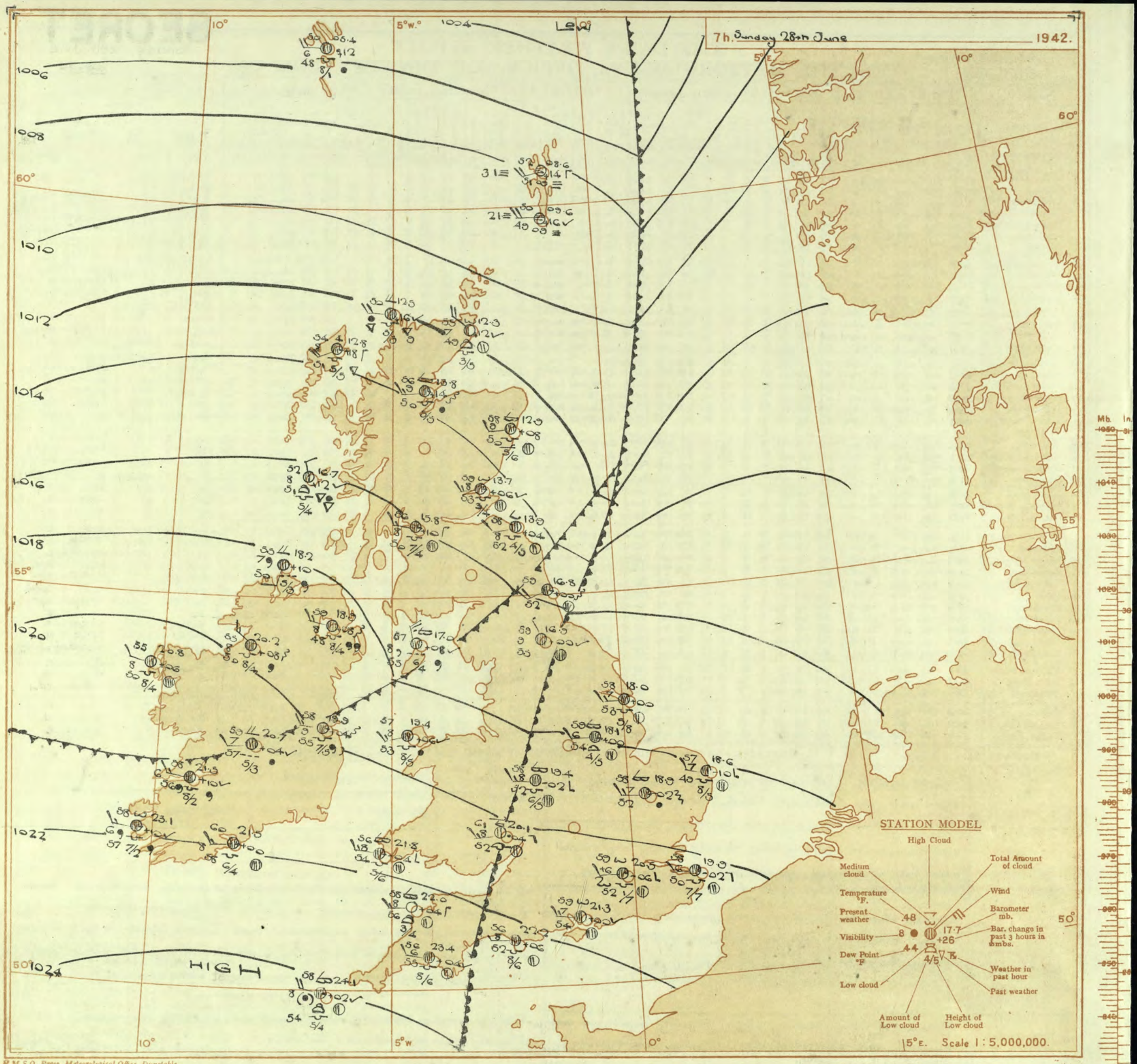
The anticyclone to Southwest of the British Isles is moving south and feeble troughs are moving southeast across the British Isles. Weather will be cloudy in the North with occasional rain. In the South it will also be mainly cloudy with slight rain locally. Coast and hill fog will occur in the West. Temperature will be about average for the season

FURTHER OUTLOOK

Fresh or strong Westerly winds and showers in the North. Mainly fair 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, Meteorological Office, Dunstable.

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

Explanation of Frontal Lines shown on Charts

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

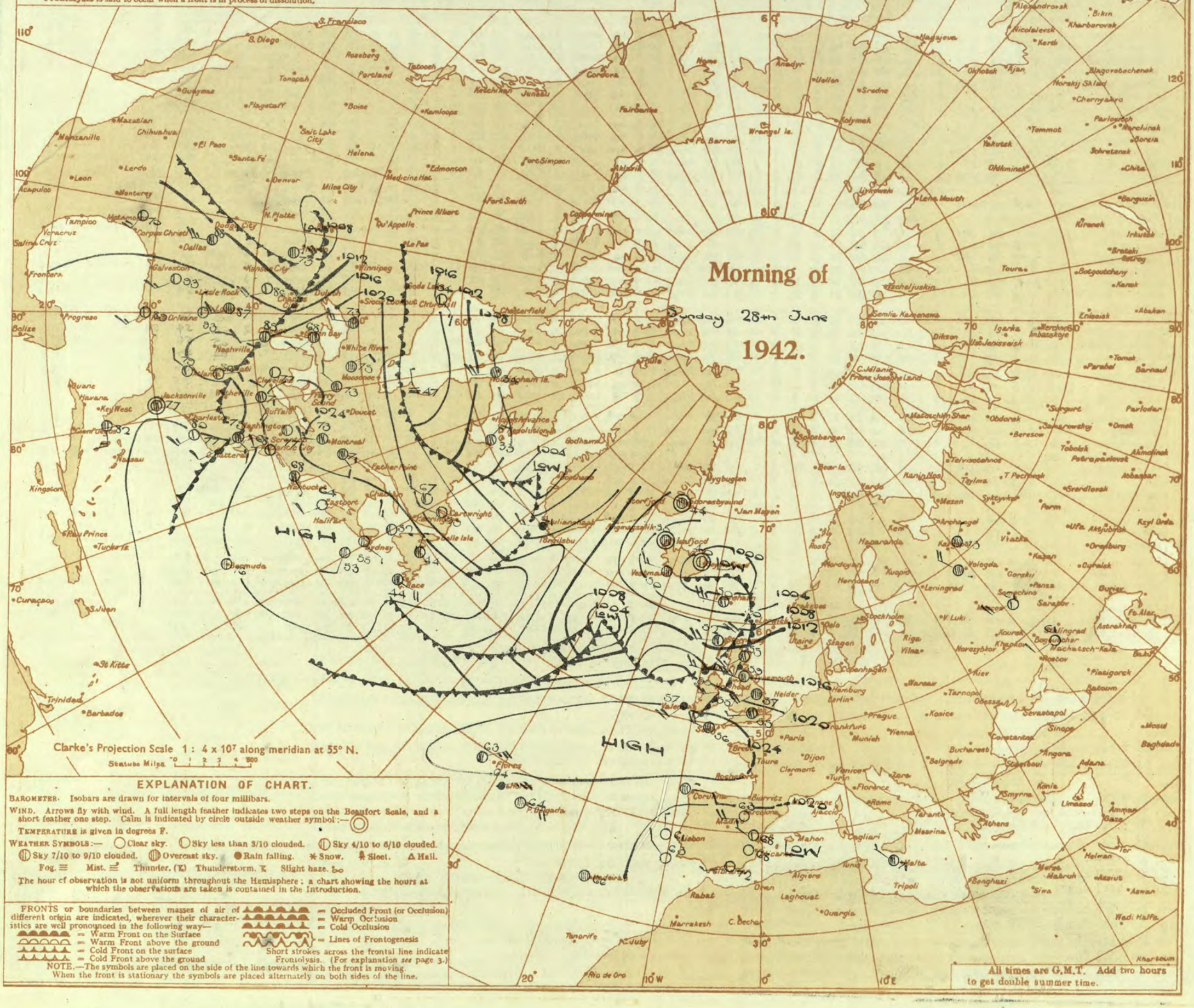
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



Page 4. BRITISH SECTION

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

Sunday 28th June 1942

No. 29438

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	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon	290	21·7	-2	W	1	c	55	85	50	7	-	4	6	0	9+	-
	S. Farnborough	226	21·5	-2	W	2	c	55	85	50	7	5	3	-	2-3	9+	3500
	Boscombe Down	417	22·7	-2	W	3	z.	52	92	51	6	-	3	-	0	7-8	-
	Thorney Island	10	21·9	-2	W'N	3	c	56	85	52	7	-	3	8	0	9+	-
	Lympne	283	21·7	-2	-	0	bc	52	92	50	7	5	3	-	2-3	4-6	5000
	Manston	154	20·9	-4	WSW	1	z.	56	85	51	6	-	3	2	0	7-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	20·6	-8	SW'S	1	z.	59	85	54	6	-	3	-	0	10	-
	Gorleston	5	20·3	-6	WSW	1	c	55	85	51	7	5	-	-	9+	9+	2500
	Mildenhall	15	19·9	-4	W'S	2	z.	56	75	47	6	5	-	-	9+	9+	4000
	Cranwell	203	19·8	-4	W'S	3	z.	55	85	50	6	5	3	-	4-6	9+	2500
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·0	-6	WSW	1	c	54	85	48	8	-	3	-	0	9+	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	23·1	-4	W	3	c	56	92	54	8	5	-	6	4-6	7-8	1500
	Bristol	209	22·8	-6	WSW	4	z.	56	92	53	6	5	3	8	1	9+	1500
	Portland Bill	32	22·8	-8	N	1	bc	57	85	53	8	2	-	-	4-6	4-6	4000
	Plymouth	82	24·3	-2	NW'W	1	bc	55	92	51	8	-	7	6	0	4-6	-
	The Lizard	240	24·6	-2	NW	4	c	55	97	54	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	163	25·0	-4	WNW	4	c	56	85	51	8	8	-	7	4-6	9+	1500
	Guernsey	175															
6	Pembroke	142	22·6	-8	W'S	4	c	56	97	56	8	8	3	-	4-6	7-8	4000
7	Holyhead (Valley)	32	19·9	-10	WSW	3	r.r.	55	92	53	8	5	-	-	10	10	2000
	Chester (Sealand)	16	19·5	-10	W'N	1	z.	60	75	53	6	5	7	-	4-6	10	4000
8	Manchester	235	19·3	-12	S	3	c	56	75	49	7	5	7	-	9	10	3000
10	Spurn Head	29	18·8	-14	W'S	4	c	57	75	49	7	7	2	-	7-8	10	2500
	Catterick	175	17·5	-16	W	1	c	57	75	49	8	-	7	-	0	9+	-
	Tynemouth	108	17·5	-8	WNW	5	c	59	75	49	7	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	14·0	-14	WSW	4	c	56	85	52	7	5	-	-	9+	9+	2500
	Leuchars	36	13·1	-10	SW	4	bc	55	55	41	7	5	3	-	2-3	4-6	2000
12	Renfrew (Abbots I.)	19	15·3	-10	W	4	c/d	55	97	54	6	5	-	-	10	10	700
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	18·0	-10	W'N	5	c	57	92	55	8	5	2	-	9	10	3000
13A	Tiree	22	15·2	+2	WNW	2	c/d	53	92	53	8	5	-	-	9+	9+	1800
13B	Stornoway	80	11·9	+10	WSW	4	c	52	97	52	7	5	7	9	4-6	9	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	12·2	-4	W'S	3	c	55	75	48	9	5	5	-	9	9+	4000
	Wick	114	11·3	+2	WSW	3	c/pr	55	92	53	9	5	2	-	7-8	9+	2000
16	Sumburgh	19	08·1	-12	SW	3	f+	50	97	50	2	5	-	-	10	10	[illegible]
17	Blacksod Point	18	20·0	+4	W	3	d.d.	56	97	55	6	-	2	-	10	10	800
18	Malin Head	84	16·9	+2	W'N	3	d.d.	55	97	54	5	-	2	-	10	10	800
	Aldergrove	268	18·3	-6	SW'W	4	d.d.	56	92	54	6	5	-	-	10	10	800
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	23·3	-12	SW	4	d.d.	57	97	55	5	5	-	-	10	10	450
	Roches Point	22	23·0	-4	W'N	3	c	57	85	55	8	8	-	-	9	9	1500

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)	20·2	+2	WSW	2	z.	60	75	52	6	5	-	-	9+	9+	2500	0	*
Croydon	20·5	-6	W	2	c	59	75	52	6	5	3	-	Tr	9+	5500	0	*
S. Farnborough	20·7	+2	WNW	3	c	59	85	53	7	-	7	-	0	7-8	-	0	*
Boscombe Down	21·6	-2	WSW	4	c/r	57	85	53	7	5	7	-	2-3	9+	5000	0	*
Thorney Island	21·3	0	W	3	c	59	85	54	7	-	3	9	0	7-8	-	0	*
Lympne	21·3	+2	SSW	1	c/pr	56	85	51	8	8	3	-	7-8	9+	6000	0§	1
Manston	19·9	-2	W	2	z.	58	75	50	6	5	-	-	9+	9+	5700	0	*
Shoeburyness	20·2	0	W	2	c	59	75	52	6	-	3	-	0	10	-	0	*
Felixstowe	19·3	-4	WSW	2	z.	58	85	52	6	-	7	-	0	9	-	0	1
Gorleston	18·6	-10	WNW	2	c	57	75	49	7	5	-	-	10	10	2500	0	2
Mildenhall	18·9	-2	W	3	c	58	75	52	7	-	7	-	0	9+	-	0	*
Cranwell	18·1	0	W	2	z.	59	85	54	6	1	7	9	4-6	9	2000	0	*
Birmingham	19·4	-2	W	3	c	58	85	53	8	5	7	-	9	10	2500	0	*
Upper Heyford	20·1	-6	SW'W	2	z.	58	75	51	6	5	7	-	2-3	9+	6000	0	*
Ross-on-Wye	20·1	-4	W'S	3	bc	61	75	52	8	4	9	1	2-3	4-6	4000	0	*
Hartland Point	22·0	+4	W	3	c	58	92	56	8	2	7	-	2-3	9+	1300	0	3
Bristol	21·9	-4	W'S	3	ir.	58	92	56	7	6	7	-	1	9+	1500	1	*
Portland Bill	22·5	+6	W	1	c	56	85	52	8	5	-	-	10	10	4000	1	2
Plymouth	23·4	+4	W'N	2	z.	56	92	55	6	5	-	-	10	10	3000	0	2
The Lizard	23·4	-2	NW	3	c	57	92	55	8	8	6	-	7-8	7-8	2500	0	3
Scilly (St. Mary's)	24·1	+2	WNW	4	c/p	58	85	54	8	8	7	-	7-8	9+	1200	0	3
Guernsey																	
Pembroke	21·8	-4	W'N	3	c	56	92	54	8	5	7	-	7-8	9	3000	0	2
Holyhead (Valley)	19·4	+6	WSW	3	c	57	85	53	8	5	-	-	10	10	2500	1	2
Chester (Sealand)	19·0	-2	WNW	2	c	58	85	54	7	6	-	-	10	10	1800	0	*
Manchester	18·6	-2	WSW	3	d.d.	55	97	54	4	5	-	-	10	10	600	1	*
Spurn Head	18·0	0	W	3	o	58	85	53	8	5	-	-	10	10	2100	0	3
Catterick	16·9	0	NNW	1	c	59	85	55	9	5	-	-	9	9	2000	0	*
Tynemouth	16·8	0	WSW	3	c	59	85	52	7	8	-	-	9	9	1600	0	2
St. Abbs Head	13·9	+4	W	4	c	58	85	52	8	5	4	-	4-6	7-8	2500	0	3
Leuchars	13·7	+6	WSW	3	c	59	85	53	8	5	3	8	2-3	9+	1600	1	*
Renfrew (Abbots I.)	15·8	+10	W'N	3	c	56	85	50	8	5	-	-	9+	9+	1200	1	*
Eskdalemuir	16·6	+4	W'N	3	c/r	54	85	50	8	5	-	-	9+	9+	1200	1	*
Point of Ayre	17·0	+8	NW'N	5	id.	57	97	55	8	6	7	-	9	10	1000	0	3
Tiree	16·7	+12	NW	1	c/pr	52	97	51	8	8	-	-	7-8	7-8	1500	1	3
Stornoway	12·8	+18	WSW	4	c	54	85	51	8	5	2	-	7-8	9+	2500	1	2
Dalwhinnie	15·6	0	SW	2	c	50	85	46	8	5	-	-	7-8	7-8	1500	0	*
Aberdeen †	13·2	+8	SW'W	1	c	58	75	51	8	5	-	-	9+	9+	2500	1	1
Wick	12·3	+12	NW'W	4	bc	55	85	49	9	8	3	-	2-3	4-6	2000	1	*
Sumburgh	09·6	+16	W	4	f+	50	97	50	2	-	-	-	10	10	[illegible]	1	3
Blacksod Point	20·8	+6	WNW	2	c	55	85	51	8	5	-	-	10	10	1500	1	2
Malin Head	18·2	+10	NW'W	4	id.	55	85	51	7	6	2	-	7-8	10	800	1	4
Aldergrove	18·9	+8	W'N	3	c/d	56	75	48	8	5	-	-	10	10	2000	0	*
Birr Castle	20·7	+4	W	2	c	59	92	57	7	6	2	-	7-8	10	800	0	*
Valentia Obsy.	23·1	+10	W'N	3	id.	58	97	57	6	5	3	-	9+	9+	450	1	3
Roches Point	21·5	0	W	3	c	60	92	58	8	5	-	-	9	9	1500	1	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 27th Hrs. (38)
London (Kew)	70	56	41	—	-	8·6
Croydon	72	54	48	—	-	6·7
S. Farnborough	71	53	45	—	Tr	7·4
Boscombe Down	69	50	45	—	Tr	5·7
Thorney Island	72	53	50	—	-	*
Lympne	67	48		—	Tr	7·2
Manston	69	52	49	—	-	6·0
Shoeburyness	72	54	41	—	-	8·5
Felixstowe	70	58	54	—	-	2·6
Gorleston	65	51	50	—	-	5·5
Mildenhall	67	54	46	—	Tr	2·6
Cranwell		52	43	—	-	2·2
Birmingham	65	55	52	—	-	3·6
Upper Heyford	66	53	47	—	-	*
Ross-on-Wye	66	55	50	—	-	1·9
Hartland Point	64	55	53	—	-	12·2
Bristol	68	55	52	—	0·1	4·7
Portland Bill	65	53	*	—	-	*
Plymouth	70	51	44	—	-	12·7
The Lizard	67	52	*	—	-	13·3
Scilly (St. Mary's)	65	54	*	—	-	12·2
Guernsey						
Pembroke	62	50	*	—	-	8·8
Holyhead (Valley)	66	54	54	—	Tr	*
Chester (Sealand)	65	56	54	—	0·2	11·2
Manchester	64	54	53	—	1	*
Spurn Head	61	56	*	—	-	0·7
Catterick	65	55	51	—	Tr	2·7
Tynemouth	64	57	55	—	-	*
St. Abbs Head	60	55	*	-	0·4	*
Leuchars	66	54	49	-	Tr	3·3
Renfrew (Abbots I.)	61	54	51	0·2	Tr	0·8
Eskdalemuir	62	52	52	-	0·5	3·1
Point of Ayre	67	55	*	-	Tr	0·2
Tiree	58	52	*	3	2	0·8
Stornoway	54	50	*	1	0·3	0·0
Dalwhinnie	58	50	48	Tr	-	0·0
Aberdeen †	58	53	47	Tr	0·4	0·0
Wick	55	50	47	3	0·1	*
Sumburgh	53	49	49	3	2	1·7
Blacksod Point	62	54	*	1	1	*
Malin Head	60	52		1	1	0·0
Aldergrove	64	55	52	Tr	Tr	1·3
Birr Castle	67	56	54	-	0·2	
Valentia Obsy.	62	56	55	-	-	6·5
Roches Point	66	57	*	-	-	*

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	57	51755	15468	57	02754	48567	--	57300	22559	5-	21518	23458
115	52	62834	20487	52	62635	53568	--	67200	24469	52	81835	24488
203	7			6-	62738	16668				5-	02838	20468
206	52	22865	24268	51	61965	22568	5-	02965	20465	57	02955	22366
210	62	22863	14268	52	62856	18468	57	61845	21468	83	02955	22456
220				5-	59208	23458						
230	5-	51644	18225	5-	63618	53468	62	61724	18368	8-	21856	26267
245	52	62953	16368	52	61964	20368	5+	02844	22266	59	02964	24317
260	7\	02754	23328	5-	02753	23315	5-	02718	23415	73	02764	23216
278	52	02847	20258	57	02854	22328	57	21856	24468	5-	21857	28557
279	5-	02858	20428	5-	02857	20427	52	51745	53428	5-	02857	23357
285	5-	02737	26427	2-	32357	02854						
288	8-	05657	25327	57	02864	54427	57	02865	20328	5-	61848	20228
575	5-	02858	22428	5-	61868	24528	52	21636	26458	5-	02848	27358
301	7-	02967	23427	03	02990	26326	52	51854	25428	52	02837	24558
321	5-	05668	28328	57	02753	25326	07	05695	18368	57	02734	22327
299	5-	03008	30228	5-	02777	10227	5-	02757	22227	50	02766	24326
292	3-	02856	18328	53	02855	23427	51	02765	22227	54	02854	24222
310												
614	52	05656	28228	07	05692	30327	07	05690	24225	17	05654	24426

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
333	23	02963	28225	53	02961	19428	5-	51866	57328	5-	02837	24357
334	--	02646	28217									
340	77	02865	28227	84	02974	02225	53	02875	21227	7-	02967	22367
136	57	05655	26228	5-	05678	25328	53	05665	24227	57	51643	24328
336	70	02756	28426	10	01752	24314						
350	8-	02767	26427	77	02764	25216	53	02762	22226	07	22790	19267
368	79	02864	22326	5-	02967	22328	50	02644	23327	5-	02844	24328
379	7-	02967	30327	73	02964	28325	53	02962	22326	57	05685	20827
390				50	05761	30322	03	05530	22126	5-	02777	25227
382	7-	02967	29227	7-	02377	29327	03	02890	00016	57	22866	22327
438	57	02765	18317	50	02756	24316				86	05664	24127
430				86	01868	28224	03	02790	28227	57	05674	24127
409	10	01952	31313	10	02951	25315	04	01890	23224	54	02845	[illegible]

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 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	bczcy	cy	cy
Croydon	bczcy	cy	cyc
Greenwich	ocy	cy	cbcc
Camden Square	c	c	*
Kensington	bc	bc	*
Hampstead	bc	bc	c

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.

Kew 24 hours ended 7h. Max. Time 0.17 - 3hrs 27th; Min. Time <0.1 9-24

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % (To-day)
Kew	70	56	41	-	-	8·2	*	*
Croydon	72	54	48	-	-	6·7	*	*
Greenwich	71	53	40	-	-	6·5		
Westminster	72	56	47		-		58	73
Regents Park								
Camden Square	72	56	52	-	-	*	*	67
Kensington	71	55	48	-	-		47	66
Hampstead	70	52	48	-	-		*	75

SECRET

Page 1

BRITISH SECTION

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

Monday 29th June 1942

No. 29439

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. (3)	% Humid. (7)	Dew Point. °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base (feet) (15)
1	London (Kew)	20.0	0	WNW	2	c	68	55	52	8	7	3	-	7-8	9	2500
	Croydon ...	20.4	+2	W	3	c	67	65	55	7	5	-	-	9+	9+	2000
	S. Farnborough	20.5	+2	WNW	3	c	68	65	54	8	8	7	-	7-8	9+	2000
	Boscombe Down	21.1	-2	WNW	4	c	67	65	54	8	5	7	-	4-6	7-8	3500
	Thorney Island	21.0	0	WSW	3	c	67	75	57	7	5	-	-	10	10	4000
	Lympne ...	20.6	0	NNW	1	c	67	65	54	8	5	7	-	7-8	9+	3500
	Manston ...	19.7	+2	WNW	3	2o	69	55	52	5	1	7	-	1	7-8	4000
2	Shoeburyness ...	19.7	0	W'N	2	c	69	65	55	6	5	-	-	10	10	2100
	Felixstowe ...	19.5	+6	WSW	3	c	65	75	53	7	5	-	-	10	10	3000
	Gorleston ...	19.0	+4	NW'N	3	c	64	65	53	7	5	-	-	9+	9+	600
	Mildenhall ...	19.2	+2	W'N	2	c	66	55	55	8	7	-	-	7-8	9+	2000
	Cranwell ...	18.9	+2	WNW	3	2o	67	55	50	6	5	-	-	9	10	3500
3	Birmingham ...	20.0	+2	NW	3	c	66	55	50	8	8	7	-	7-8	9+	4000
	Upper Heyford	19.7	-2	NW'N	4	c	68	55	52	9	7	-	-	7-8	7-8	3500
4	Ross-on-Wye	20.2	0	NW'W	3	bc	69	55	53	9	7	-	-	4-6	4-6	4000
5	Hartland Point	22.6	+2	W	3	c	62	85	59	8	5	7	-	4-6	9+	1500
	Bristol ...	21.6	-2	W'S	4	bc	66	65	53	8	7	6	-	2-3	4-6	4000
	Portland Bill ...	22.1	-2	WSW	1	c	59	85	55	8	2	-	-	7-8	7-8	4000
	Plymouth ...	23.1	-2	WNW	3	c	65	85	58	8	5	-	-	10	10	2000
	The Lizard ...	24.0	-4	WNW	3	o	58	97	58	5	5	-	-	10	10	1000
	Scilly (St. Mary's)	24.3	-2	W	3	c/f	61	92	58	6	5	-	-	10	10	800
	Guernsey ...															
6	Pembroke ...	22.5	+6	WNW	3	bc	62	83	59	8	2	4	4	2-3	2-3	3500
7	Holyhead (Valley)	21.0	+8	NW'N	3	c	65	65	53	9	8	-	-	4-6	9	2500
	Chester (Sealand)	20.9	+2	NW	4	c	65	75	53	9	8	-	-	7-8	7-8	2000
8	Manchester ...	19.8	+6	W'N	3	c	61	75	53	8	4	-	-	4-6	7-8	1000
10	Spurn Head ...	18.0	0	W'N	3	c	65	75	55	7	7	-	-	7-8	7-8	2500
	Catterick ...	17.9	+10	WNW	3	bc	70	55	50	9	1	-	-	4-6	4-6	3500
	Tynemouth ...	17.3	+10	WNW	4	c	66	55	49	7	8	-	-	9	9	1800
11	St. Abbs Head	15.8	+6	WNW	2	bc	62	65	53	8	1	4	-	2-3	4-6	3500
	Leuchars ...	15.7	+10	W	4	bc	69	55	49	9	1	-	-	4-6	4-6	2500
12	Renfrew (Abbotsl.)	18.2	+4	WNW	3	bc	61	65	50	9	5	-	1	7-8	7-8	2500
	Eskdalemuir ...	16.8	+4	W'N	4	2o	62	65	51	8	7	-	-	4-6	4-6	2500
	Point of Ayre ...	20.4	+4	NW	2	c	61	85	57	8	5	-	-	9	9	3000
13A	Tiree ...	18.5	+6	W'S	2	p+	57	85	53	8	8	-	-	9	9	1500
13B	Stornoway ...	16.9	+2	WSW	4	c	58	92	55	8	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	16.6	+6	WSW	3	bc	62	55	46	9	8	-	-	2-3	2-3	4000
	Aberdeen ...	18.6	+10	NNW	1	bc	65	65	51	9	7	4	-	4-6	4-6	2700
	Wick ...	14.9	+12	WNW	4	c	56	78	58	9	8	-	-	9+	9+	2500
16	Sumburgh ...	12.6	+18	WSW	4	c	57	92	52	7	8	7	9	4-6	9	2500
17	Blacksod Point	22.2	+6	WSW	4	c	59	85	54	8	5	-	-	10	10	2500
18	Malin Head ...	19.8	+10	W	4	c	57	85	52	8	8	-	-	9+	9+	1500
	Aldergrove ...	20.2	+2	WNW	3	bc	63	65	52	9	7	4	-	4-6	4-6	3000
19	Birr Castle ...	21.8	+4	W	2	bc	69	65	56	8	-	-	4	0	2-3	-
20	Valentia Obsy.	24.1	+6	W	3	c	61	85	56	8	5	-	-	9+	9+	800
	Roches Point	22.5	+6	NW	4	bc	68	75	60	9	1	-	-	4-6	4-6	4000

OBSERVATIONS at 18h. G.M.T. 28th 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)	19.8	0	NW'N	3	bc	74	43	47	8	7	-	-	7-8	7-8	2500	0	*
	Croydon ...	19.8	-2	W	4	bc	72	59	54	9	5	-	-	4-6	4-6	2800	0	*
	S. Farnborough	19.5	0	W'N	3	bc	73	55	53	8	1	-	-	4-6	4-6	4000	0	*
	Boscombe Down	21.0	0	NW'W	4	b	70	65	56	8	5	-	*	2-3	2-3	3000	0	*
	Thorney Island	20.5	-4	WSW	3	b	63	75	59	8	1	-	-	1	1	4000	0	*
	Lympne ...	20.5	-2	W'S	1	bc	66	65	52	7	5	-	*	7-8	7-8	6000	0	*
	Manston ...	20.1	+4	SSE	1	2o	68	65	57	6	8	6	-	7-8	7-8	6000	0	*
2	Shoeburyness ...	19.7	0	W'N	2	bc	71	55	53	7	5	-	*	4-6	4-6	4300	0	*
	Felixstowe ...	19.6	+2	WNW	2	c	70	63	57	7	5	-	-	7-8	7-8	5700	0	1
	Gorleston ...	19.5	+6	S'E	1	c	61	85	56	7	5	-	-	9+	9+	2500	0	2
	Mildenhall ...	19.3	-2	NW	3	bc	70	59	50	8	7	3	-	2-3	2-3	2500	0	*
	Cranwell ...	19.0	+2	W'N	4	2o	66	65	52	6	5	-	-	1	1	4000	0	*
3	Birmingham ...	19.9	0	NW	3	bc	68	55	50	8	7	-	1	2-3	2-3	4000	0	*
	Upper Heyford	19.6	-2	NNW	3	bc	72	53	52	9	1	-	-	2-3	2-3	3500	0	*
4	Ross-on-Wye	20.3	0	NW'W	3	bc	70	53	52	9	1	-	1	Tr	Tr	4000	0	*
5	Hartland Point	22.6	-2	W	2	c	63	85	59	8	5	-	-	7-8	7-8	1500	0	3
	Bristol ...	21.3	-2	W'S	5	b	67	65	56	8	4	6	-	Tr	Tr	5700	0	*
	Portland Bill ...	21.2	-8	W	3	c	59	85	54	8	2	-	-	7-8	7-8	4000	0	3
	Plymouth ...	23.2	+2	WNW	3	c	64	85	57	8	5	-	-	10	10	1500	0	2
	The Lizard ...	23.9	+2	WNW	3	c/f	58	97	58	2	5	-	-	10	10	500	0	2
	Scilly (St. Mary's)	24.1	-2	WNW	3	c/f	61	85	58	6	5	-	-	10	10	500	0	3
	Guernsey ...																	
6	Pembroke ...	22.8	-2	W'S	3	b	60	92	57	8	1	-	-	1	1	3500	0	2
7	Holyhead (Valley)	21.3	+2	SSW	2	b	63	65	50	9	4	4	-	Tr	Tr	3500	0	2
	Chester (Sealand)	21.6	+4	NW'N	2	b	62	63	50	8	1	6	-	Tr	1	3000	0	*
8	Manchester ...	20.7	+2	NW	3	bc	61	65	50	8	4	-	4	4-6	4-6	3700	0	*
10	Spurn Head ...	18.8	+4	S'S	2	bc	62	75	53	7	7	2	-	2-3	4-6	2500	0	2
	Catterick ...	18.8	0	WNW	3	b	63	65	52	8	1	4	-	1	1	4000	0	*
	Tynemouth ...	18.1	+6	SSE	3	bc	59	75	51	7	8	-	-	4-6	4-6	3500	0	2
11	St. Abbs Head	16.3	+4	SE	2	b	60	85	54	8	1	4	-	1	2-3	3500	0	2
	Leuchars ...	16.0	+4	WSW	4	b	71	55	52	9	5	3	-	2-3	2-3	4500	0	*
12	Renfrew (Abbotsl.)	19.0	+4	W'N	4	bc	61	75	51	8	5	7	-	4-6	7-8	2500	1	*
	Eskdalemuir ...	18.3	+2	W'S	3	b	63	65	52	8	1	4	-	1	2-3	2500	0	*
	Point of Ayre ...	21.0	0	NW	3	b	62	55	47	8	1	-	8	Tr	1	3000	0	1
13A	Tiree ...	18.0	-2	SW	3	dd	55	97	54	4	-	2	-	10	10	100	1	3
13B	Stornoway ...	13.7	-4	S	6	c	55	92	53	8	5	1	-	7-8	10	2500	1	3
15	Dalwhinnie ...	17.7	+2	—	0	c	59	75	49	8	8	3	-	4-6	7-8	2500	0	*
	Aberdeen ...	16.1	0	S'E	3	bc	60	75	51	8	8	4	-	4-6	4-6	4400	0	1
	Wick ...	14.3	+6	SE	1	bc	55	83	49	9	5	-	-	7-8	7-8	5000	0	*
16	Sumburgh ...	13.3	0	WSW	4	c/pr	52	92	51	8	5	7	-	4-6	9+	2000	1	
17	Blacksod Point	22.1	0	SW	4	c/d	68	92	66	7	-	2	-	10	10	1500	1	3
18	Malin Head ...	19.8	+2	W'S	4	c	58	85	53	8	5	-	-	10	10	1500	1	4
	Aldergrove ...	20.2	-2	WSW	2	b	70	55	52	9	5	-	-	2-3	2-3	3500	0	*
19	Birr Castle ...	21.7	+4	W	2	bc	71	65	58	8	1	-	-	2-3	2-3	2500	0	*
20	Valentia Obsy.	24.3	0	WNW	2	2o	60	97	59	9	5	-	-	10	10	450	0	3
	Roches Point	22.4	-2	S	2	b	68	85	63	9	1	-	-	Tr	Tr	4000	0	2

PAST 24 HOURS.

District.	Stations.	Weather. 7h.—13h. (39)	13h.—18h. (40)	18h. ... to 1h. (41)	1h.–7h. (42)
1	London (Kew)	c2oey	cbcy	bcbyw	bz₀w
	Croydon ...	cz₀	cbcyv	bcybw	bm₀wbz₀
	S. Farnborough	c	cbcy	bcybw	bw₀b
	Boscombe Down	c i d₀ m₀ c	bcy	bcyb	bm₀b
	Thorney Island	o	cbcb	b	bwbjf
	Lympne ...	c	cbcyc	bcbwf	bwbm₀
	Manston ...	c2₀y	cyz₀	cz₀bm₀	bcwbm₀
2	Shoeburyness ...	cm₀	cm₀bycy	bz₀	bcyb
	Felixstowe ...	cm₀c	c	cbcbbm₀w	bm₀
	Gorleston ...	cd₀c	c	cbcz₀	bm₀
	Mildenhall ...	c	cybcy	bm₀bm₀w	bm₀
	Cranwell ...	c2₀	cz₀, bz₀	bz₀bm₀	bm₀
3	Birmingham ...	c	cbc	bcb	bm
	Upper Heyford	c	cybcy	bcy	bbwb
4	Ross-on-Wye	v	bccb	bv	bw
5	Hartland Point	oidc	c	bcof	ff
	Bristol ...	cif₀bc	bcbxy	bbc	bwf, cm₀
	Portland Bill ...		bcc	bcb	bcbc
	Plymouth ...	c	cid₀	cbcb	cm₀
	The Lizard ...	prdcm	mofff	c	ffc
	Scilly (St. Mary's)	cid₀df	cfc	c	coffc
	Guernsey ...				
6	Pembroke ...	cbc	bcb		fc
7	Holyhead (Valley)	c	cbcb	bb	bwbcc
	Chester (Sealand)		cbvb		bm₀wc
8	Manchester ...	cm₀	cbc	bcb	bccm₀
10	Spurn Head ...	c	cbc	b	bcm₀
	Catterick ...	cbcy	bcyby	bybc	bcc
	Tynemouth ...	c	cbc	bc	bcc
11	St. Abbs Head	bc	bcb	b, cbc	bcc
	Leuchars ...	bbcv	bcxvb		c
12	Renfrew (Abbotsl.)	cbc	bc	bccdnd₀	cm₀cd₀c
	Eskdalemuir ...	pr₀bc	bcb	bbcc	c
	Point of Ayre ...	id₀c	cbcb	bbcc	c
13A	Tiree ...	cprbcc	cor₀d₀	cidpr	cbr₀
13B	Stornoway ...	cpr	c	cpr	c
15	Dalwhinnie ...	cbcy	bcc		c
	Aberdeen ...	pr₀bcy	bc	-bcb	bcc
	Wick ...	bcc	ccjp	c	circ
16	Sumburgh ...	prm₀c	cbcid₀prccpr₀iv₀m₀		cm₀id₀
17	Blacksod Point	c	d	d	d
18	Malin Head ...	c	c	c	d
	Aldergrove ...	cbc	bcby	bccid₀	cid₀c
19	Birr Castle ...	bc	bc	c	d
20	Valentia Obsy.	c	c		d
	Roches Point	bc	b	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 29th June

Districts.	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light West to Northwest winds; fine; warm at first, then somewhat cooler.
5 S.W. England 6 South Wales	Light variable winds; fair to fine inland; fog at times on parts of the coast; warm inland.
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 to moderate Northwest winds backing West; fair, rather warm to average temperature.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate westerly winds, fresh at times on the coast; rather cloudy; occasional drizzle
16 Orkneys and Shetlands 17 N. W. Ireland	on parts of the West and North coasts; average temperature.
18 N. E. Ireland	As 7-12.
19 S. E. Ireland 20 S. W. Ireland	As 5-6.

GENERAL INFERENCE

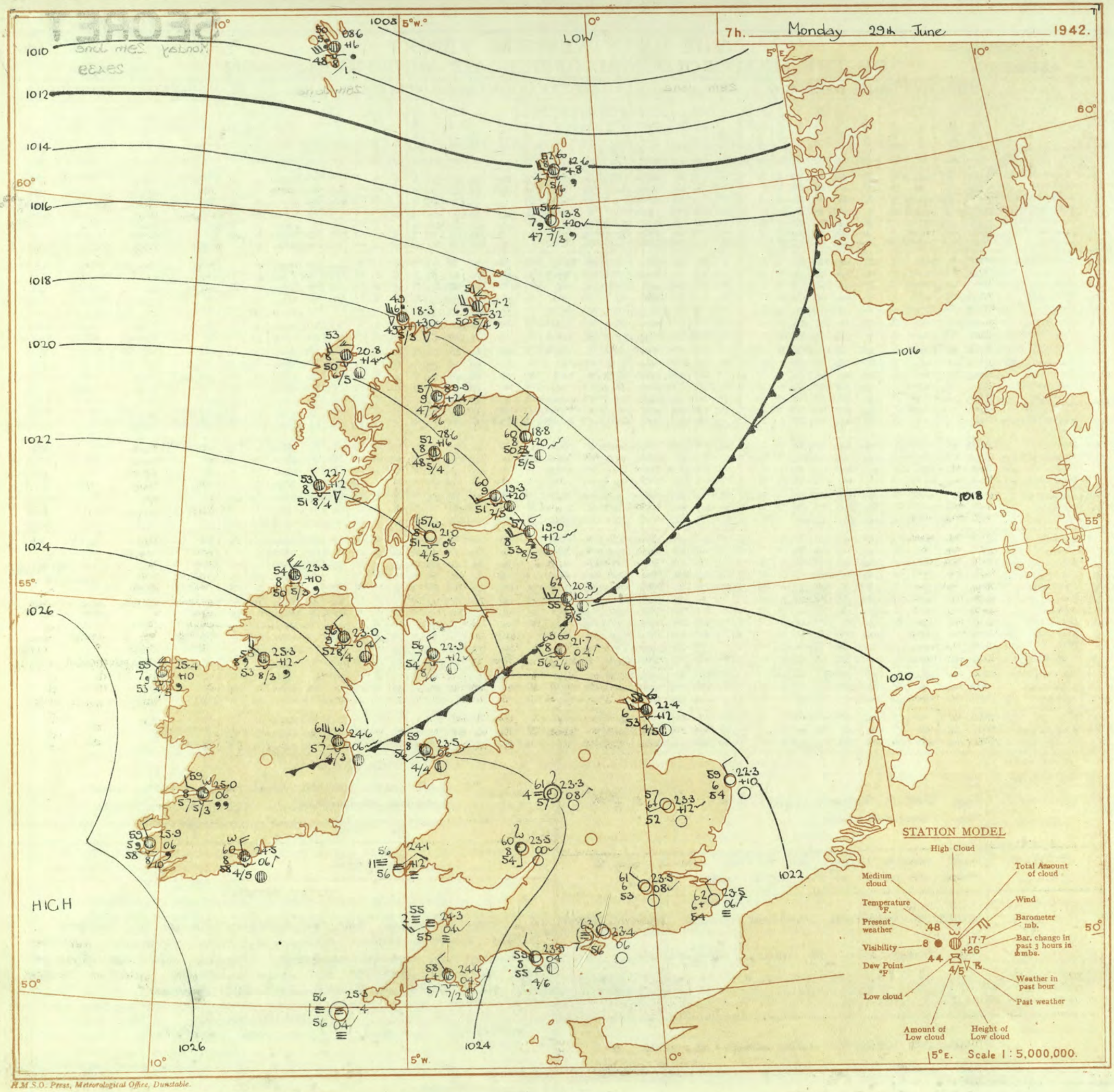
A large anticyclone over the Atlantic extends to Western Britain whilst a shallow trough of lower pressure over the North Sea is moving southeast. Weather will be fine or fair in most districts but some occasional coastal drizzle will occur on the North and Northwest seaboard.

FURTHER OUTLOOK

Continuing fair and dry in most 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, Meteorological Office, Dunstable.

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

Explanation of Frontal Lines shown on Charts

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

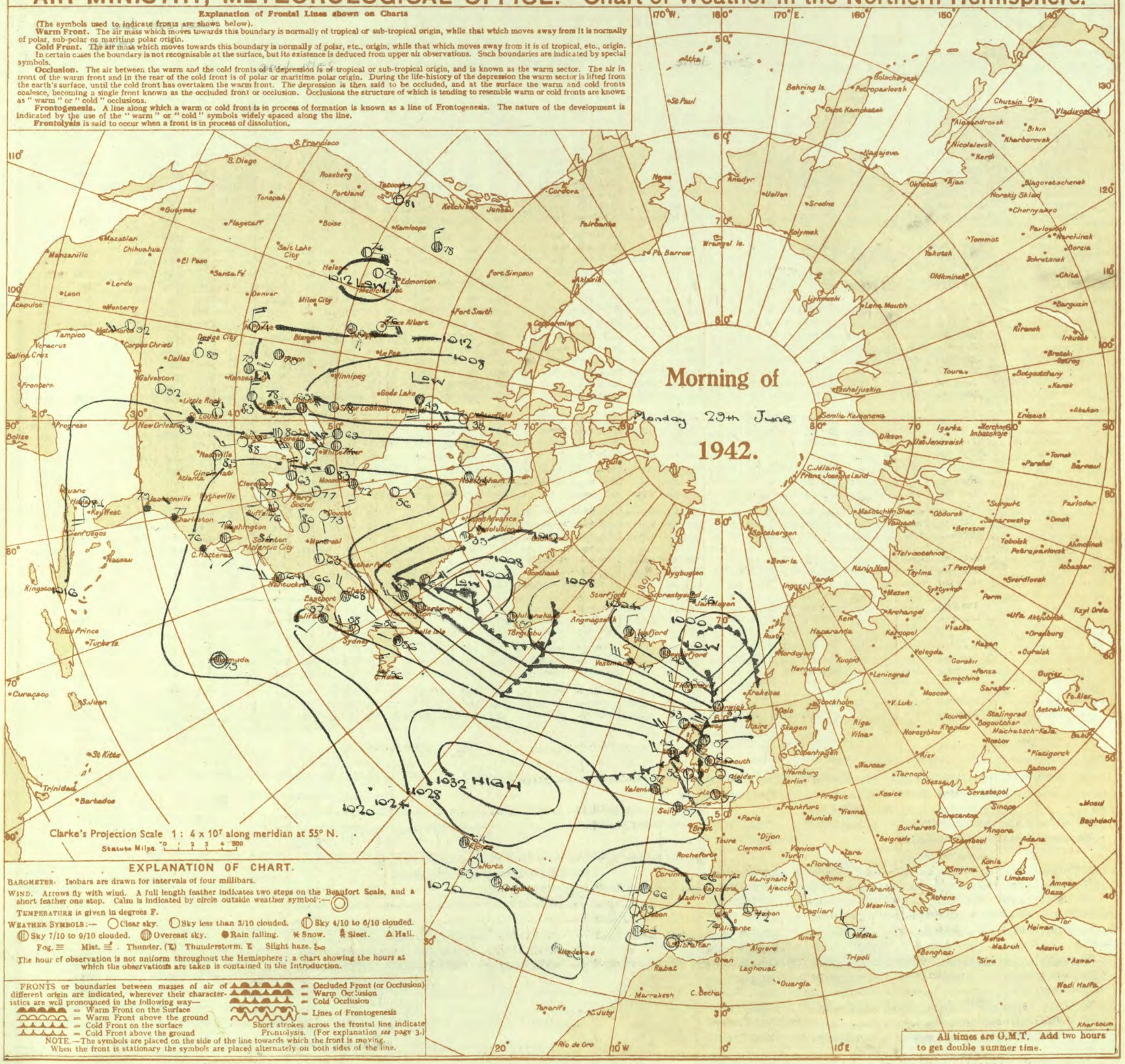
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Monday 29th June 1942

No. 29439

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	*	*	*	*	*	59	*	*	*	*	*	*	*	*	*
	Croydon ...	290	22.6	+4	W'S	1	b	57	85	54	7	–	–	1	0	Tr	–
	S. Farnborough	226	22.9	+4	WNW	1	b	57	92	55	8	–	–	–	0	0	–
	Boscombe Down	417	23.5	+10	NNW	2	b	54	97	53	8	–	–	*	0	0	–
	Thorney Island	10	22.6	+10	WNW	2	b	57	92	55	8	–	–	1	0	1	*
	Lympne ...	283	22.6	+8	–	0	bf+	55	97	54	2	–	–	–	0	0	–
	Manston ...	154	21.8	+6	–	0	zo	67	97	66	6	5	–	–	2-3	2-3	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	22.0	+10	W'N	1	zo	57	92	55	6	–	–	–	0	0	–
	Gorleston ...	5	21.0	+6	NW	2	bc	56	85	50	6	5	–	–	4-6	4-6	2500
	Mildenhall ...	15	21.8	+6	W'S	1	zo	50	92	48	6	–	–	–	0	0	*
	Cranwell ...	203	21.9	+10	W'N	3	zo	53	85	49	6	–	–	–	0	0	–
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22.4	+8	NW	1	b	54	85	50	8	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	24.1	+6	WSW	2	bf+	57	97	47	1	–	–	–	0	0	–
	Bristol ...	209	23.8	+10	S'E	1	fg	53	92	52	7	–	–	–	0	0	*
	Portland Bill ...	32	23.0	+14	NW	1	b	57	85	53	8	–	–	–	0	0	–
	Plymouth ...	82	24.1	+2	NW'W	2	c	57	92	55	8	3	–	–	9+	9+	1400
	The Lizard ...	240	24.6	+2	N	1	c	57	92	55	8	5	2	–	9	10	1500
	Scilly (St. Mary's)	163	25.2	+6	NW	2	c	57	97	57	7	5	–	–	10	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	23.9	+4	SW'S	2	if	57	97	57	3	–	–	–	0	0	–
7	Holyhead (Valley)	32	22.2	+2	S	1	b	56	92	54	9	5	3	–	Tr	2-3	3000
	Chester (Sealand)	16	22.8	+2	SE	1	b	52	92	49	6	–	3	–	0	Tr	–
8	Manchester ...	235	23.4	+4	–	0	b	50	92	48	6	–	–	–	0	0	–
10	Spurn Head ...	29	21.5	+8	W'S	3	b	56	85	52	7	–	–	–	0	0	*
	Catterick ...	175	20.9	0	S	1	bc	54	85	51	8	–	7	–	0	4-6	–
	Tynemouth ...	108	20.0	+6	NW	2	bc	60	75	52	7	2	3	–	4-6	4-6	2500
11	St. Abbs Head	280	17.3	0	W	4	bc	60	85	54	8	5	4	–	4-6	4-6	4000
	Leuchars ...	36	17.7	0	SW	3	c	57	85	52	7	5	3	–	2-3	9+	3000
12	Renfrew (Abbots I.)	19	19.8	+2	W'S	3	dodo	57	97	56	6	8	–	–	10	10	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	24.7	0	W'N	3	c	61	92	58	8	5	5	–	9+	9+	3000
13A	Tiree	22	19.5	+4	NW'W	2	c/pf	52	97	52	7	8	–	–	9+	9+	1500
13B	Stornoway ...	80	16.3	+10	WSW	5	c/pr	53	92	51	7	5	2	–	9	10	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	23.8	+2	–	0	c	57	85	52	9	4	5	–	Tr	9	5000
	Wick ...	114	24.3	+6	W	4	c	57	83	50	9	5	–	–	9+	9+	2500
16	Sumburgh ..	19	21.6	+12	WSW	5	c	51	97	51	6	5	2	–	9+	10	1000
17	Blacksod Point	18	24.1	+8	W'N	2	df	55	97	55	7	–	2	–	10	10	1500
18	Malin Head ...	84	24.1	+6	W'N	4	dodo	54	97	54	4	–	2	–	10	10	450
	Aldergrove ...	268	22.3	+8	SW'W	3	ido	59	92	56	7	5	–	–	9	10	1200
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	25.8	+6	NW'W	2	zo	57	97	57	6	5	–	–	10	10	450
	Roches Point	22	24.8	+8	N'W	4	c	60	92	57	8	5	–	–	9	9	1500

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)	23.5	+10	NNW	2	zo	61	85	50	6	–	–	–	0	0	–	0	*
Croydon ...	23.5	+8	WNW	1	zo	61	75	53	6	–	–	–	0	0	–	0	*
S. Farnborough	23.7	+10	NNW	2	b	59	85	53	7	–	–	–	0	0	–	0	*
Boscombe Down	24.2	+4	NNW	2	b	59	85	54	7	–	–	–	0	0	–	0	*
Thorney Island	23.4	+6	NNW	1	bjf	63	75	56	7	–	–	–	0	0	–	0	*
Lympne ...	23.5	+6	NNW	1	zo	62	75	54	6	–	–	–	0	0	–	0	*
Manston ...	23.2	+10	NW	2	zo	61	83	55	6	–	–	–	0	0	–	0	*
Shoeburyness ...	23.2	+10	NW	2	b	61	75	53	6	–	–	–	0	0	–	0	*
Felixstowe ...	22.8	+6	NNW	2	zo	60	75	53	6	–	–	–	0	0	–	0	*
Gorleston ...	22.3	+10	NW'N	1	zo	59	85	54	6	–	–	–	0	0	–	0	*
Mildenhall ...	23.3	+12	WSW	1	zo	57	85	52	6	–	–	–	0	0	–	0	2
Cranwell ...	22.6	+6	W	3	zo	59	85	53	6	5	3	–	Tr	1	4000	0	*
Birmingham ...	23.3	+8	–	0	m	61	85	56	4	5	–	6	Tr	1	2500	0	*
Upper Heyford	23.5	+6	WSW	1	b	59	85	53	8	–	4	–	0	Tr	–	0	*
Ross-on-Wye	23.5	0	S	1	bc	60	85	54	8	–	–	3	0	1	–	0	*
Hartland Point	24.3	+4	WSW	3	f	55	97	55	2	–	–	–	10	10	4150	1	3
Bristol ...	24.7	+10	WNW	2	c/f	59	92	57	6	5	–	–	9+	9+	400	0	*
Portland Bill ...	23.9	+4	NW	2	bc	59	85	55	8	2	–	–	4-6	4-6	4000	0	2
Plymouth ...	24.6	+4	NW	2	c	58	97	57	6	5	–	–	9+	9+	400	0	2
The Lizard ...	24.5	0	–	0	f	55	97	55	3	5	–	–	10	10	600	0	3
Scilly (St. Mary's)	25.3	+4	–	0	F	56	97	56	1	–	–	–	10	10	4150	0	1
Pembroke ...	24.1	+12	NE'E	2	f	56	97	56	1	–	–	–	10	10	4150	0	2
Holyhead (Valley)	23.5	+6	SW	1	c	59	85	56	8	5	–	–	4-6	10	1500	0	1
Chester (Sealand)	23.1	+6	SW	3	c	63	85	58	7	5	3	–	2-3	7-8	2600	0	*
Manchester ...	22.8	+2	–	0	zo	56	85	53	6	5	3	–	7-8	7-8	4000	0	*
Spurn Head ...	22.4	+12	W	3	c	58	85	53	6	5	7	–	4-6	7-8	2500	0	3
Catterick ...	24.7	+4	WSW	2	c	63	75	56	8	5	7	–	1	7-8	4000	0	*
Tynemouth ...	20.8	+10	W	3	c	62	75	55	7	8	–	–	7-8	7-8	2500	1	2
St. Abbs Head	19.0	+12	WSW	4	c	57	85	51	8	2	4	–	7-8	7-8	2700	0	4
Leuchars ...	19.3	+20	SW'W	3	c	60	75	51	9	5	9	2	1	7-8	2000	0	*
Renfrew (Abbots I.)	21.0	+6	WNW	3	c	57	85	51	8	5	3	–	4-6	9+	2500	1	*
Eskdalemuir ...	21.0	+10	W	4	c	55	85	49	9	5	7	–	7-8	9+	1100	0	*
Point of Ayre ...	22.9	+12	N'W	3	c	56	92	54	7	5	–	–	10	10	3000	0	3
Tiree	22.7	+12	NW'N	1	o	53	92	51	8	5	–	–	10	10	1200	1	3
Stornoway ...	20.8	+14	W	4	c	53	83	50	8	5	2	–	9	10	2000	1	2
Dalwhinnie ...	21.7	+16	SW	2	c	52	85	48	8	5	–	–	7-8	7-8	1500	0	*
Aberdeen † ...	18.8	+20	NW'N	4	c	60	75	50	8	8	4	–	7-8	7-8	2000	1	2
Wick ...	18.0	+24	NW	5	c	53	85	47	8	5	–	–	9	9	2000	0	*
Sumburgh ..	13.8	+20	WNW	6	ido	51	85	47	7	5	2	–	9+	10	1000	1	4
Blacksod Point	25.4	+10	WNW	2	ido	55	92	53	7	5	2	–	7-8	10	1500	1	2
Malin Head ...	23.3	+10	NW'N	3	c	54	85	50	8	6	2	–	7-8	9+	800	1	
Aldergrove ...	23.0	+4	NW	2	c	56	85	52	9	5	–	–	10	10	1800	0	*
Birr Castle ...	24.4	+6	WNW	2	id	60	85	55	7	5	–	–	10	10	1500	0	*
Valentia Obsy.	25.9	+6	NNW	2	ido	59	97	59	5	5	–	–	10	10	2150	1	2
Roches Point	24.5	+6	N'W	4	c	60	92	58	8	5	3	–	4-6	9	2500	0	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine Hrs. (38)
London (Kew)	74	54	39	–	–	6.6
Croydon ...	73	50	36	–	0.1	6.1
S. Farnborough	74	51	41	–	Tr	6.2
Boscombe Down	71	49	41	Tr	Tr	6.8
Thorney Island	70	54	47	–	–	*
Lympne ...	71	48	*	–	–	3.2
Manston ...	70	53	49	*	Tr	2.2
Shoeburyness ...	74	53	40	–	–	3.9
Felixstowe ...	70	55	47	–	–	1.1
Gorleston ...	65	53	48	–	–	0.1
Mildenhall ...	70	47	39	Tr	Tr	4.8
Cranwell ...	*	47	40	–	–	6.4
Birmingham ...	72	53	40	–	–	7.3
Upper Heyford	72	50	45	–	–	*
Ross-on-Wye	72	51	45	–	–	6.8
Hartland Point	63	55	55	–	–	2.9
Bristol ...	70	49	40	Tr	*	8.6
Portland Bill ...	60	60	*	*	–	*
Plymouth ...	66	56	49	Tr	–	0.2
The Lizard ...	60	54	*	Tr	–	0
Scilly (St. Mary's)	62	55	*	–	0.2	8.0
Pembroke ...	63	49	*	–	Tr	9.3
Holyhead (Valley)	66	53	50	–	–	*
Chester (Sealand)	65	50	41	–	–	7.9
Manchester ...	64	40	42	0.1	–	0*
Spurn Head ...	67	50	*	–	*	7.3
Catterick ...	71	53	53	–	–	10.7
Tynemouth ...	68	58	56	–	–	*
St. Abbs Head	67	54	*	–	–	*
Leuchars ...	73	57	54	–	–	10.5
Renfrew (Abbots I.)	65	55	53	–	Tr	4.0
Eskdalemuir ...	65	54	54	Tr	–	9.4
Point of Ayre ...	65	55	*	Tr	–	5.4
Tiree	58	52	*	0.1	1	2.4
Stornoway ...	60	51	*	Tr	0.4	2.7
Dalwhinnie ...	65	50	43	–	–	6.7
Aberdeen † ...	67	51	43	Tr	–	6.2
Wick ...	61	51	49	–	Tr	*
Sumburgh ..	55	50	49	Tr	*	2.8
Blacksod Point	71	53	*	Tr	2	*
Malin Head ...	60	52		0.3	1	3.0
Aldergrove ...	70	55	54	–	Tr	7.3
Birr Castle ...	73	53	51	–	Tr	10.6
Valentia Obsy.	63	56	56	Tr	Tr	0.9
Roches Point	70	59	*	–	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 87	02856	24527	54	02864	23627
115			52	02834	33387
203			5-	02946	22526
206 83	02964	22624	84	02965	22416
210 84	01964	26624	54	02964	26325
220			52	03735	21528
230 8-	02956	20226	57	02843	26328
245 70	01968	10315	76	00362	04312
260 10	01863	23513	04	01890	25313
278 53	02957	63457	53	01864	01324
279 7-	02967	22321	74	02853	18423
285					
288 50	02865	60415	50	01863	27313
575 54	00852	26412	5-	02847	24317
301 73	02866	28427	14	00951	26413
321 86	02765	24326	00	00790	26313
299 8-	02766	26226	10	01763	30103
292 5-	02855	20325	5-	01964	18314
310					
614 17	03654	26425	10	03662	28313

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

C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
5-	03748	54558	52	51645	24458
--	67109	53563	52	81635	07588
6-	81838	16568			
5-	02965	24525	5-	02966	28326
			5-	02957	24427
5-	02857	18457	5-	21746	24457
5-	02964	20316	54	01952	24214
5-	02745	23518	57	02744	23417
5-	21858	00058	5-	21827	28457
5-	02868	21828	57	21734	22357
			5-	05628	26528
54	01861	18303	57	02863	20315
02	57428	28458	5-	51838	25355
53	02808	00028	57	02767	26327
00	05690	24200	03	05690	26115
00	00661	00001	84	01764	24214
54	02866	23227			
04	00890	20101			
00	05590	24200	05	05590	22115

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

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
333 16	02854	26355	10	00961	18101
334					
340 1-	01965	28325	10	00961	82301
136 13	02752	24457			
336					
350 27	02854	26325	70	02863	36313
368			10	00961	22411
379 70	01955	24325	50	00963	26313
390 8+	02776	24226	40	01754	28224
382 73	02855	26325	40	01963	28313
438 5+	02655	24415	6-	02763	24415
430			1-	01863	231-3
409 5-	57008	23358	5-	48728	26258

07h. G.M.T.

C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
			5-	02758	00028
			--	01752	24218
			54	01881	00002
			04	05690	24101
			03	01790	12213
00	05690	20100	00	05690	22100
00	05690	00000	00	05690	30100
00	00890	00000	04	00890	22100
40	41752	32242	00	00790	31100
50	00790	26102	50	00731	31101
5-	52818	30258	5-	47107	00057

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 29th 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	c3cy	c0cy	b3w	Kew 24 hours ended 7h. Max. Time 0.1 0–7h. 29th. Min. Time <0.1 19–24h 28th.
Croydon ...	c2	c0cyr	bm3wb2	
Greenwich ...	c	cy	b0yb3	
Camden Square	s	bc	*	
Kensington ...	bc c	bc	*	
Hampstead ...	bc	bc	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % Today
Kew	74	54	39	–	–	6.0	*	*
Croydon ...	73	50	36	–	–	6.4	*	*
Greenwich ...	75	53	36	–	–	4.9		
Westminster ..	74	55	46	–			67	58
Regents Park ..	73	53	43	–	–		42	5-
Camden Square	75	55	49	–	–	*	*	59
Kensington ..	75	54	45	–	–		39	55
Hampstead ...	74	57	46	–	–		*	60

SECRET

Page 1

BRITISH SECTION

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

Tuesday 30th June 1942

No. 29440

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)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	22·9	−8	N'W	1	b	78	45	55	7	–	–	–	0	0	–
	Croydon ...	22·9	−6	NW	1	b	80	45	55	6	–	–	–	0	0	–
	S. Farnborough	23·1	−6	N	1	b	80	45	57	8	1	–	–	Tr	Tr	3000
	Boscombe Down	23·2	−6	N	1	bc	78	55	58	8	1	–	–	2-3	2-3	3000
	Thorney Island	23·6	0	SSW	4	b	70	65	57	8	1	–	–	Tr	Tr	2500
	Lympne ...	24·0	−2	ESE	3	zo	69	65	58	6	–	–	–	0	0	–
	Manston ...	23·9	+2	SSE	2	zo	68	65	56	6	–	–	–	0	0	–
2	Shoeburyness ...	23·6	−8	SE'S	2	zo	72	75	63	6	–	–	–	0	1	–
	Felixstowe ...	23·2	−2	SSE	3	zo	71	68	57	6	–	–	–	0	0	–
	Gorleston ...	22·9	0	S'E	3	zo	62	75	56	6	–	3	–	0	2-3	–
	Mildenhall ...	22·7	−6	WSW	2	bc	79	45	56	7	–	3	3	0	4-6	–
	Cranwell ...	22·5	+2	NW'W	4	zo	75	55	59	6	1	3	3	1	4-6	3000
3	Birmingham ...	22·8	−4	W	2	bc	75	55	58	8	1	–	3	2-3	4-6	4000
	Upper Heyford	22·5	−8	NW	1	bc	78	55	59	8	1	5	3	Tr	2-3	4500
4	Ross-on-Wye	22·5	−8	S	2	bc	77	55	57	8	1	–	3	Tr	2-3	4000
5	Hartland Point	24·2	−4	W	3	if	57	92	54	8	1	–	4	1	2-3	2000
	Bristol ...	23·7	−10	W	2	b	77	55	59	8	–	3	–	0	Tr	–
	Portland Bill ...	24·5	+4	W	1	bc	62	85	59	8	2	4	–	4-6	4-6	4000
	Plymouth ...	25·0	+4	SW	3	c/if	59	92	56	6	5	–	–	10	10	4000
	The Lizard ...	25·1	+8	–	0	c/f	61	85	56	7	5	–	–	10	10	1000
	Scilly (St. Mary's)	25·3	0	W'S	2	c	62	85	57	7	5	–	–	9+	9+	800
	Guernsey ...															
6	Pembroke ...	24·9	−2	W	2	f	58	92	56	2	–	–	–	10	10	<150
7	Holyhead (Valley)	24·5	+6	N	3	c/if	64	75	54	8	7	4	8	9	9+	3000
	Chester (Sealand)	24·0	+2	NW	3	bc	67	75	57	7	5	3	4	2-3	4-6	3000
8	Manchester ...	23·1	−4	NW'W	3	zo	68	75	59	6	4	3	1	4-6	7-8	2500
10	Spurn Head ...	22·1	+2	NW'W	3	c	69	75	61	6	5	6	–	4-6	9+	2800
	Catterick ...	22·9	+4	N	1	c	71	55	54	8	1	3	–	4-6	7-8	3500
	Tynemouth ...	22·7	+8	E	3	c	62	75	53	8	5	–	–	7-8	7-8	3200
11	St. Abbs Head	21·6	+14	N	1	c	64	65	53	7	5	4	–	7-8	9+	2700
	Leuchars ...	21·2	+4	W	2	c	68	55	52	9	2	3	6	4-6	9+	2500
12	Renfrew (Abbots I.)	23·0	+8	NW	4	c	64	55	50	9	1	7	6	1	9+	4000
	Eskdalemuir ...	22·1	+4	W'N	4	c	64	65	53	8	7	7	1	2-3	7-8	2500
	Point of Ayre ...	25·0	+10	NW	3	c	58	85	52	8	5	4	–	7-8	9+	3000
13A	Tiree ...	24·8	+8	NW'W	1	c	57	85	50	8	5	–	–	9	9	2800
13B	Stornoway ...	22·3	+2	W	5	c	59	75	50	8	5	7	–	7-8	10	2500
15	Dalwhinnie ...	23·1	+8	SW	2	c	60	65	46	8	8	–	–	9+	9+	2500
	Aberdeen ...	21·3	+6	NNW	4	c	65	68	51	8	7	3	9	7-8	7-8	2500
	Wick ...	20·8	+10	NW'W	5	c	57	97	56	9	8	3	–	7-8	9	2500
16	Sumburgh ...	17·1	+18	WNW	6	c	52	85	48	8	5	–	–	9+	9+	2500
17	Blacksod Point	26·9	+8	NW	2	c	60	75	53	8	5	–	–	10	10	2500
18	Malin Head ...	25·4	+10	NNW	2	c	56	75	49	8	8	–	–	10	10	1500
	Aldergrove ...	25·5	+10	NW'W	3	c	59	85	54	8	7	–	–	10	10	1800
19	Birr Castle ...	25·2	+4	WNW	1	c	65	75	56	8	8	7	–	7-8	9	1500
20	Valentia Obsy.	26·2	+2	NW'W	4	c	61	85	57	8	5	–	–	9+	9+	5700
	Roches Point	24·7	0	N'W	2	c	69	75	61	8	5	–	–	9	9	1500

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. (21)	°Humid. % (22)	°Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	21·0	−8	WSW	2	c	80	45	57	8	5	5	1	4-6	9	4000	0	*
	Croydon ...	21·4	−2	S	2	bc	77	55	61	7	2	3	1	Tr	4-6	3500	0	*
	S. Farnborough	21·3	−2	SSW	3	c	81	55	60	8	1	5	9	1	7-8	4500	0	*
	Boscombe Down	21·8	−12	SW'S	4	bc	76	65	62	8	2	3	9	4-6	4-6	3000	0	*
	Thorney Island	22·7	−4	SW	3	b	71	65	58	8	–	3	9	0	1	–	0	*
	Lympne ...	23·1	−4	SSE	2	bc	69	65	57	7	–	3	9	0	2-3	–	0	1
	Manston ...	22·2	−6	S'W	2	zo	74	55	58	6	–	8	–	0	2-3	–	0	*
2	Shoeburyness ...	22·4	−2	S	2	zo	71	75	63	6	–	3	–	0	1	–	0	*
	Felixstowe ...	21·9	−8	S'E	3	zo	69	65	58	6	1	7	9	Tr	4-6	4000	0	1
	Gorleston ...	22·4	−4	SSE	3	bc	63	85	57	6	–	3	–	0	4-6	–	0	3
	Mildenhall ...	21·8	−4	NNW	3	zo	76	55	61	6	8	3	9	7-8	9	2500	0	*
	Cranwell ...	21·0	−2	NW'N	3	zo	74	55	59	6	–	7	–	0	9	–	0	*
3	Birmingham ...	22·3	−2	NNW	3	c	70	75	62	8	5	7	–	4-6	10	4000	0	*
	Upper Heyford	21·3	−2	–	0	c	78	55	62	8	2	3	9	7-8	9	2800	0	*
4	Ross-on-Wye	21·5	−6	SW'W	3	c	75	65	60	8	–	7	–	0	9+	–	0	*
5	Hartland Point	23·4	−6	W	3	f	58	97	58	1	–	–	–	10	10	<150	0	3
	Bristol ...	22·7	−4	W	3	bc	76	55	59	8	–	4	4	0	2-3	–	0	*
	Portland Bill ...	23·1	−10	W	1	c	58	85	54	8	2	4	–	4-6	7-8	4000	1	2
	Plymouth ...	23·9	−8	SW	2	c/if	59	92	57	4	5	–	–	10	10	100	0	2
	The Lizard ...	23·7	−6	WNW	2	c/f	58	92	55	2	5	–	–	10	10	400	0	3
	Scilly (St. Mary's)	26·0	−8	N	1	c/if	60	92	57	6	5	–	–	10	10	500	0	1
	Guernsey ...																	
6	Pembroke ...	23·4	−8	N'E	4	bc	69	75	59	7	2	3	4	2-3	4-6	3500	0	2
7	Holyhead (Valley)	24·0	−6	NNW	2	c	62	65	52	8	7	9	2	4-6	9+	5000	0	2
	Chester (Sealand)	23·6	−2	NNW	3	c/pr	60	75	54	7	3	3	2	4-6	7-8	2500	0	*
8	Manchester ...	23·4	+2	W	3	c	63	75	53	8	4	8	–	4-6	9	4000	0	*
10	Spurn Head ...	22·3	+2	ENE	4	zo	62	75	55	6	7	7	1	4-6	9	2500	0	2
	Catterick ...	22·7	+4	NNE	3	zo	63	75	54	5	5	3	–	7-8	9+	4500	0	*
	Tynemouth ...	23·8	+4	SE	2	c	57	85	53	6	5	–	–	7-8	7-8	3200	1	2
11	St. Abbs Head	21·5	−2	SE	4	c	57	85	54	9	5	4	–	4-6	9	3000	0	2
	Leuchars ...	21·5	+6	S	2	c	65	75	55	9	7	3	–	7-8	9	5000	0	*
12	Renfrew (Abbots I.)	22·9	+6	NW'W	3	bc	59	65	48	8	4	7	–	Tr	4-6	3500	1	*
	Eskdalemuir ...	21·9	−4	WNW	3	c	62	65	51	8	7	3	–	Tr	7-8	2800	0	*
	Point of Ayre ...	24·2	−2	NW'N	4	c	60	75	52	8	5	4	8	2-3	9	4500	0	3
13A	Tiree ...	25·0	0	NW	1	c	55	85	51	8	5	–	–	9	9	3500	0	3
13B	Stornoway ...	22·9	+6	W	5	c	56	75	48	8	5	7	–	7-8	9+	2500	1	2
15	Dalwhinnie ...	24·0	+2	SW	2	c	56	65	45	8	8	3	–	7-8	9	2500	0	*
	Aberdeen ...	22·8	+6	S	2	c	59	75	49	8	8	–	–	9+	9+	2600	0	2
	Wick ...	21·7	+6	NW	5	c	55	65	44	9	8	3	–	7-8	9	3000	0	*
16	Sumburgh ...	18·1	+6	W	6	c/pr	51	85	48	7	1	–	6	4-6	9	2500	1	3
17	Blacksod Point	26·8	0	NNW	3	c	58	75	51	9	8	3	1	4-6	7-8	2500	0	2
18	Malin Head ...	25·7	+2	NW	1	c	55	85	50	8	8	7	–	7-8	10	1500	0	2
	Aldergrove ...	25·5	0	NW'N	1	c	59	75	50	8	5	–	–	9+	9+	2000	0	*
19	Birr Castle ...	24·5	−2	WNW	2	c	69	65	58	8	5	–	–	7-8	7-8	2500	0	*
20	Valentia Obsy.	24·9	−10	NNW	4	bc	62	85	57	9	5	4	4	1	4-6	5700	0	3
	Roches Point	23·8	−8	NW	1	bc	67	85	62	9	5	3	5	1	4-6	1500	0	1

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 29th (39)	Weather. 13h.—18h. 29th (40)	Weather. 18h. 29th to 1h. 30th (41)	Weather. 1h.—7h. 30th (42)
1	London (Kew)	bzoby	bc,cy	cyc	bcwzo
	Croydon ...	bzoy	bzoby	bcmo	cmo
	S. Farnborough	bby	bbccy	cybcc	cbccwcmo
	Boscombe Down	by	bybcy	cbc	bc,bmo
	Thorney Island	bjfbyb	b	bcbaw	bcbcmo
	Lympne ...	bbzo	bzbcb	bbcmow	bmowbc
	Manston ...	bmobzo	bczo	bczobmo	bbcmo
2	Shoeburyness ...	bzo	bzo	bzoczo	bzoczo
	Felixstowe ...	bmoybmo	bmobcmo	bcmocmo	cmo
	Gorleston ...	bzo	bczo	cmo	octlrmo
	Mildenhall ...	bybcy	bcycy	czo	cmoczo
	Cranwell ...	bcmo	czo	irocmo	smoirmoc
3	Birmingham ...	bc	bcc	roc	c
	Upper Heyford	b	bbccy	bczocmo	cmobcmo
4	Ross-on-Wye	bby	byby	c	c
5	Hartland Point	ffbcif	iffff	Fmcbcif	ifbcc
	Bristol ...	cmob	bbcy	bcycmo	cbcmow
	Portland Bill ...	bcbc	ffc		c
	Plymouth ...	bcmofcif	cmocmif	ofbcifof	of
	The Lizard ...	FFO	cifff	iffe	Ffe
	Scilly (St. Mary's)	offec	c	coffe	offe
	Guernsey ...				
6	Pembroke ...	ff	bc	bc	c
7	Holyhead (Valley)	fo	c	cir.	cbc
	Chester (Sealand)	cbc	bccpro	c	cpro c
8	Manchester ...	cmo	bczoc	cirozo	cirmo
10	Spurn Head ...	czo	czo	c	cr.
	Catterick ...	cy	czoycmo	czbcmo	bcmcbc
	Tynemouth ...	c	c	c	cbc
11	St. Abbs Head	cmoc	c	c	cbcmoc
	Leuchars ...	ccy	cyc	bccwc	c
12	Renfrew (Abbots I.)	ccy	bcybc	bcc	cbcb
	Eskdalemuir ...	cifobc	bbc	cbc	bcb
	Point of Ayre ...	c	c	cbcb	bbcb
13A	Tiree ...	c	c	cbc	c
13B	Stornoway ...	c	c	cpr.	cpr.
15	Dalwhinnie ...	c	c		c
	Aberdeen ...	cbcy	bcyc	c	c
	Wick ...	bcc		c	cbc
16	Sumburgh ...	cidoc	cpfob,c	bc	bc
17	Blacksod Point	r	c	c	c
18	Malin Head ...	c	d	c	c
	Aldergrove ...	c	c	cbcc	cbcb
19	Birr Castle ...	c	c		c
20	Valentia Obsy.	r	c	c	c
	Roches Point	c	bc	pr	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 30th June

Districts	Forecasts
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light variable breeze; fair to fine periods; some local thunderstorms and thundery showers developing: mainly warm.
5 S.W. England 6 South Wales	Light variable breeze; mainly fair, but with a chance of local thunderstorms developing; coastal fog at times: warm inland.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light to moderate North to Northwest winds; mainly fair; average temperature to rather warm.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate westerly winds, fresh at times on northern coasts; mainly cloudy; some light rain or showers chiefly in the North and West; average temperature.
16 Orkneys and Shetlands 17 N. W. Ireland	As 12-15
18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light Northeast winds; fair; average temperature or rather warm.

GENERAL INFERENCE

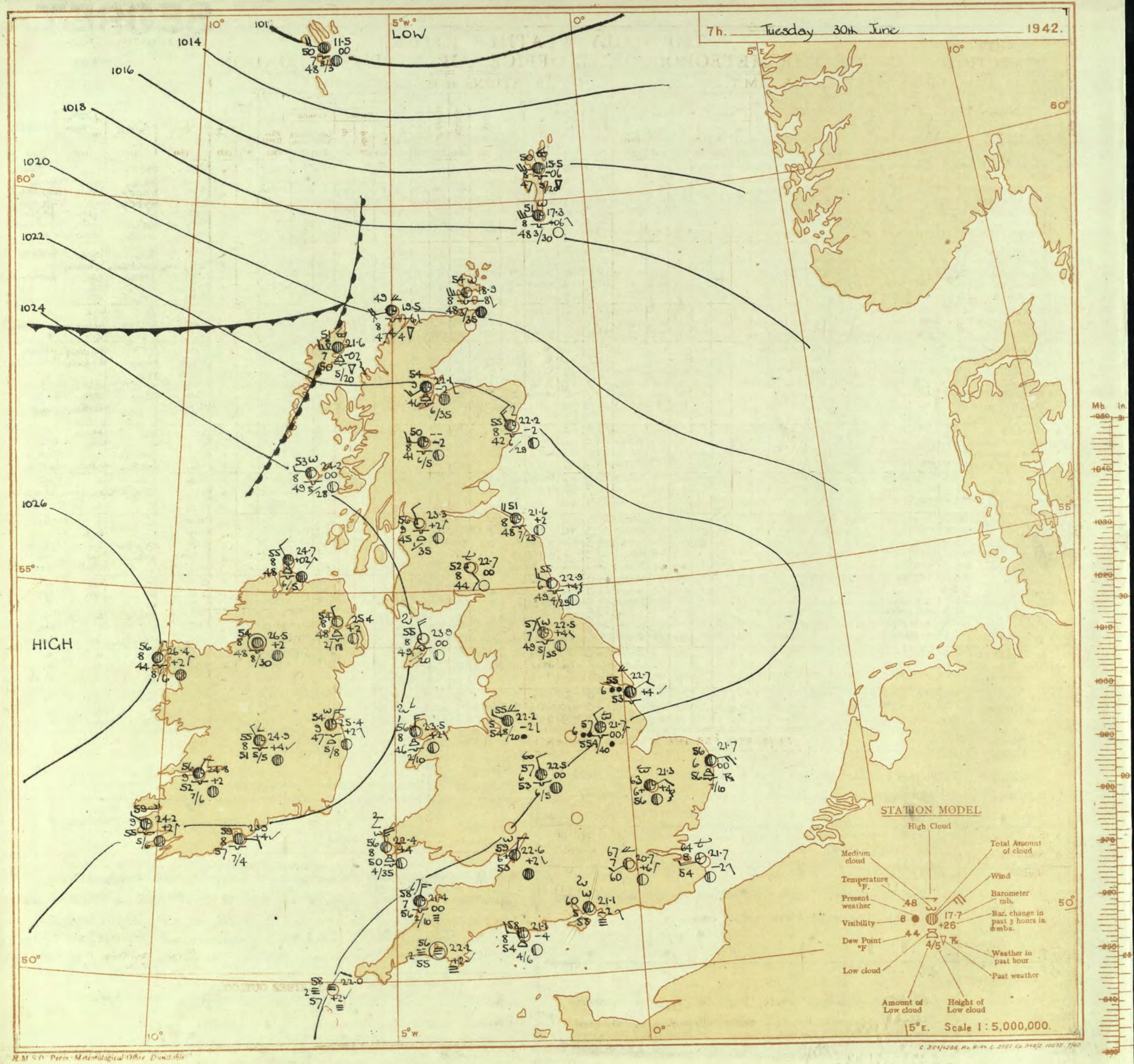
A shallow trough of low pressure over Southern England is practically stationary, whilst an extension to an Atlantic anticyclone lies to the northward of the trough. There will be some slight local rain in the North at first and local thunderstorms will develop later to-day in the southeast half of England. Otherwise, conditions are likely to continue fair in many districts.

FURTHER OUTLOOK

Probably a tendency to further thunderstorms in the South. Mainly cloudy with local rain in the North.

Forecasts issued at 1030.

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

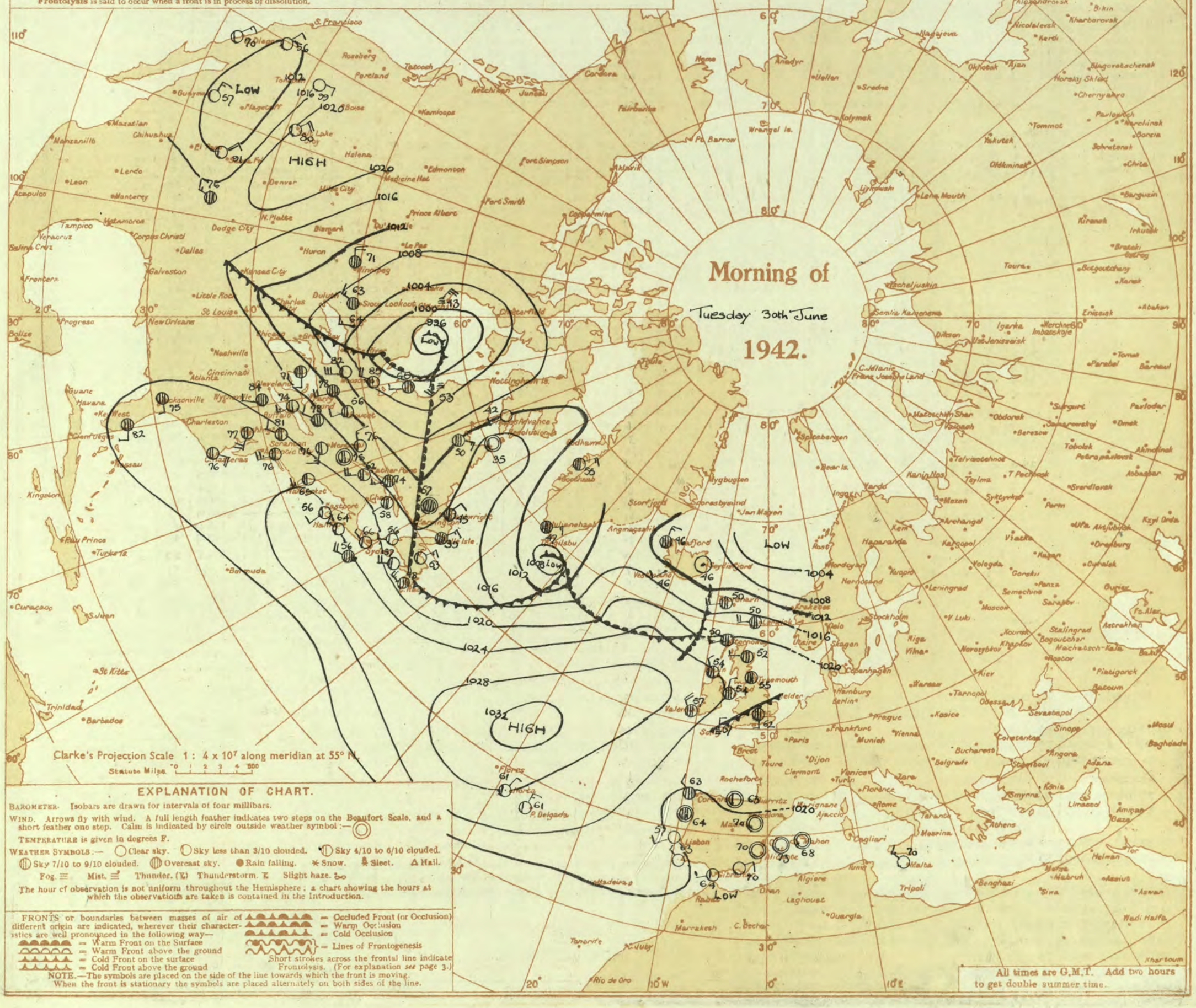
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

Page 4.

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

Tuesday 30th June 1942 — No. 29440

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)	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	*	*	*	*	*	63	*	*	*	*	*	*	*	*	*
	Croydon	290	21.6	-6	S	2	c	.62	85	58	6	-	3	-	0	9+	-
	S. Farnborough	226	21.4	-6	-	0	c	64	75	57	8	-	3	-	0	9	-
	Boscombe Down	417	22.1	-2	W'N	2	bc	60	92	58	8	-	3	-	0	4-6	-
	Thorney Island	10	22.2	-6	SSW	1	bc	56	92	54	8	-	3	-	0	7-8	-
	Lympne	283	22.8	-6	-	0	z.	54	97	54	6	-	3	-	0	1	-
	Manston	154	21.9	-6	SW	1	z.	60	85	55	6	-	3	-	0	Tr	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	21.6	-6	S'E	1	z.	65	85	62	6	5	7	-	7-8	9+	5700
	Gorleston	5	22.8	0	SE	2	z.	58	85	53	6	5	-	-	9+	9+	2500
	Mildenhall	15	21.4	-6	N'W	1	z.	66	75	58	6	5	-	-	9	9	7200
	Cranwell	203	22.2	-4	-	0	z.	58	92	55	6	5	7	-	9+	10	4000
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21.8	-3	N	3	z-	62	85	57	6	-	3	-	0	9+	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	22.5	-4	E	2	if	58	97	58	6	-	4	-	0	4-6	-
	Bristol	209	23.0	0	-	0	z.	58	92	57	6	-	3	-	0	9+	-
	Portland Bill	32	22.1	-4	NW	2	c	56	85	52	8	5	-	-	7-8	7-8	4000
	Plymouth	82	22.6	-6	-	0	f	57	97	57	2	-	-	-	10	10	<450
	The Lizard	240	23.3	-2	-	0	of	56	97	56	3	5	-	-	10	10	400
	Scilly (St. Mary's)	163	22.9	-12	N'E	2	f-	57	97	57	3	-	-	-	10	10	<150
	Guernsey	175															
6	Pembroke	142	23.5	+6	NNE	4	bc	56	85	52	8	1	4	1	2-3	4-6	3500
7	Holyhead (Valley)	32	23.8	-6	NNE	2	c/r	54	85	50	9	5	-	-	7-8	7-8	3700
	Chester (Sealand)	16	23.7	-2	NW	3	c	56	85	52	7	5	7	-	4-6	9+	5700
8	Manchester	235	23.6	-4	W	1	c/r	54	92	52	8	5	3	-	4-6	9	4000
10	Spurn Head	29	22.8	-6	E'N	3	c	55	85	51	7	7	6	-	7-8	9	2500
	Catterick	175	23.7	+4	SSW	1	z.	56	92	54	6	5	3	1	2-3	4-6	3000
	Tynemouth	108	23.5	-2	-	0	c	55	92	52	6	5	-	-	7-8	7-8	2500
11	St. Abbs Head	280	22.5	-2	WNW	2	c	55	75	47	8	5	4	-	4-6	7-8	3000
	Leuchars	36	22.8	0	-	0	c	52	97	52	7	5	3	-	2-3	7-8	2500
12	Renfrew (Abbots I.)	19	23.6	-2	W	2	c	47	85	42	8	-	7	-	0	7-8	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	24.5	0	NW'N	3	b	52	92	50	8	4	4	8	Tr	1	4000
13A	Tiree	22															
13B	Stornoway	80	21.9	-2	WSW	3	c/pr	50	97	50	8	5	7	-	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	23.0	-4	WNW	1	c	52	85	47	9	5	-	-	9+	9+	4500
	Wick	114	22.0	-4	SW	1	c	50	85	47	9	5	-	6	7-8	9+	3000
16	Sumburgh	19	18.6	-2	W'S	6	bc	50	92	47	8	5	7	-	4-6	4-6	1500
17	Blacksod Point	18	26.9	+2	N	2	c	55	85	51	8	5	-	-	9+	9+	2500
18	Malin Head	84	25.6	-6	N'W	1	c	54	75	46	8	8	-	-	9	9	2500
	Aldergrove	268	25.5	-6	-	0	c	51	85	47	8	5	-	-	9+	9+	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	25.0	-6	NNW	4	c	57	85	52	8	5	-	-	9+	9+	4000
	Roches Point	22	24.0	0	NW	3	c	59	92	57	8	8	-	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 30th 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)	Max. Day 7h–18h °F (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 29th Hrs. (38)
London (Kew)	20.8	+2	SW	1	z.	65	75	58	6	5	3	1	1	4-6	4000	0	*	83	62	53	-	-	12.8
Croydon	20.7	+6	SW	1	bc	67	75	60	7	-	2	-	0	2-3	-	0	*	84	59	57	-	-	13.5
S. Farnborough	20.9	+2	WNW	1	z.	63	85	58	6	-	7	9	0	9	-	0	*	86	59	50	-	-	13.1
Boscombe Down	21.7	-4	NNW	2	z.	61	92	59	6	-	7	-	0	9+	-	0	*	82	55	51	-	Tr	13.4
Thorney Island	21.1	-2	-	0	z.	60	92	58	5	-	3	9	0	7-8	-	0	*	75	52	44	-	-	*
Lympne	21.7	-2	WSW	1	b	64	65	54	8	-	4	1	0	1	-	0	§1	72	53		-	-	13.5
Manston	21.2	-2	SW	2	bc	64	75	56	7	-	8	6	0	4-6	-	0	*	76	56	50	-	-	13.8
Shoeburyness	20.9	0	WSW	2	z.	66	75	58	6	-	-	-	0	0	-	0	*	72	60		-	-	14.1
Felixstowe	20.3	-4	WNW	1	z.	62	85	59	6	-	7	-	0	7-8	-	0	1	73	58	53	-	*	13.5
Gorleston	21.7	0	E	3	T	56	97	56	5	8	-	-	9+	9+	1000	1	3	66	56	55	-	11	12.2
Mildenhall	21.3	+4	ENE	2	z.	63	75	56	6	-	7	-	0	9+	-	0	*	82	60	56	-	*	11.7
Cranwell	21.7	0	NNW	2	r.r.	57	92	55	6	5	7	-	4-6	9+	4000	1	*	*	56	53	-	Tr	9.9
Birmingham	22.5	0	N	2	c	57	85	52	6	5	7	-	9	9+	2500	0	*	80	54	51	-	Tr	9.4
Upper Heyford	21.6	0	N'W	3	z.	60	75	52	6	5	5	9	4-6	7-8	3000	0	*	82	56	55	-	Tr	*
Ross-on-Wye	22.2	-4	NE'E	2	c	59	75	52	7	5	4	9	4-6	7-8	3500	0	*	81	55	51	-	-	11.1
Hartland Point	21.4	0	NNE	3	c	58	92	56	7	5	4	4	1	9	1000	0	2	59	56	53	-	-	5.0
Bristol	22.6	-2	NNE	2	z.	59	85	53	6	-	3	-	0	7-8	-	0	*	80	55	48	-	*	11.9
Portland Bill	21.1	-4	W	2	c	58	85	54	8	2	4	-	4-6	7-8	4000	1	2	64	53	*	-	-	*
Plymouth	22.2	+2	-	0	f	56	97	55	2	-	-	-	10	10	<150	0	2	63	54	51	-	-	4.0
The Lizard	21.5	+2	-	0	of	58	97	58	2	5	-	-	10	10	400	0	2	63	54	*	-	-	0.6
Scilly (St. Mary's)	22.0	+2	NNE	2	f	58	97	57	2	-	-	-	10	10	450	0	1	65	57	*	Tr	-	1.7
Guernsey																							
Pembroke	22.4	-4	NNE	5	c	56	85	50	8	8	7	5	4-6	7-8	3500	0	3	71	51		-	*	5.8
Holyhead (Valley)	23.5	-2	N	3	bc	56	75	46	8	8	4	9	1	7-8	1000	0	2	67	50	45	-	Tr	*
Chester (Sealand)	22.6	-2	NW	4	c	56	85	52	7	8	3	1	4-6	7-8	1400	0	*	68	55	52	Tr	0.1	6.7
Manchester	22.2	-2	W'N	1	z.	55	97	54	5	-	2	-	10	10	2000	0	*	70	53	50	-	0.6	*
Spurn Head	22.7	+4	NE	2	r.r.	55	92	53	6	5	2	-	4-6	10	2800	1	2	70	54		-	Tr	6.6
Catterick	22.5	-4	NNW	1	c	57	75	49	7	5	3	-	7-8	9	3500	0	*	75	52	44	-	-	5.9
Tynemouth	22.9	+4	WNW	3	bc	55	85	49	6	5	-	-	4-6	4-6	2900	0	2	65	52	50	-	-	*
St. Abbs Head	21.6	+2	WNW	4	c	51	92	48	8	5	-	-	9+	9+	2500	0	3	67	51		-	-	
Leuchars	22.6	+4	NW	2	c	55	75	45	9	2	3	-	1	7-8	2500	0	*	70	50	40	-	Tr	6.6
Renfrew (Abbots I.)	23.3	+2	NWN	2	b	56	65	45	9	7	4	1	Tr	1	3500	1	*	65	45	39	-	-	4.4
Eskdalemuir	22.7	0	SE	1	b	52	75	44	8	-	4	1	0	1	*	0	*	68	39	33	Tr	-	7.0
Point of Ayre	23.9	0	N'W	4	b	55	85	49	8	4	-	9	Tr	1	2000	0	3	63	52	*	-	-	4.8
Tiree	24.2	0	W	1	c	56	85	49	8	5	3	-	7-8	7-8	2800	0	2	58	50	*	-	-	2.7
Stornoway	21.6	-2	WSW	3	pr	51	92	50	7	8	7	-	7-8	10	2000	1	2	61	49	*	Tr	0.1	1.6
Dalwhinnie	23.4	-2	W	3	c	50	75	41	8	5	-	-	9	9+	2500	0	*	61	43	38	-	-	2.6
Aberdeen †	22.2	-2	NW	3	c	55	65	42	8	5	-	6-	9	9	2900	0	2	66	53	50	-	-	3.9
Wick	20.9	-2	SW	3	c	51	85	45	9	8	-	-	7-8	7-8	3500	0	*	60	48	43	-	-	11.1
Sumburgh	17.3	-6	WSW	5	c	51	85	47	8	5	3	-	2-3	9+	3000	0	4	54	49	46	Tr	-	6.5
Blacksod Point	26.4	+2	N'E	1	c	56	65	45	8	5	-	-	10	10	4000	0	2	61	53	*	Tr	-	
Malin Head	24.7	+2	NW	2	c	55	75	48	8	8	-	-	9	9	2500	0	2	67	51		0.1	*	0.3
Aldergrove	25.4	+2	NW	1	bc	54	75	48	8	8	-	6	1	2-3	1800	0	*	62	50	44	-	-	0.3
Birr Castle	24.9	+4	NW	1	c	55	85	51	8	5	1	-	7-8	9+	2500	0	*	72	53	51	Tr	*	4.8
Valentia Obsy.	24.2	+2	W'N	1	c	59	85	54	9	5	-	2	7-8	9	4000	0	2	63	54	48	0.6	-	4.9
Roches Point	23.9	+4	E	2	o	59	92	57	8	5	-	-	9+	9+	1500	0	2	72	57	*	-	0.2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 29th June C_LC_M	wwVhN_h	DDFWN	18h. G.M.T. C_LC_M	wwVhN_h	DDFWN	01h. G.M.T. 30th June C_LC_M	wwVhN_h	DDFWN	07h. G.M.T. C_LC_M	wwVhN_h	DDFWN
109	73	02854	25625	77	02865	58526	77	25746	24487	53	02863	23525
115				55	02844	59427	52	02844	57427	52	02844	55487
203	55	25394	30335	53	02845	20327				8-	02968	20428
206	83	02965	24326	73	02963	25417	5-	02966	22426	8-	02966	20326
210	7-	02966	25426	53	02963	26224	57	02864	21327	5-	02966	22426
220	53	02953	27216	53	01953	26205				57	02854	26328
230	77	02955	22327	53	02955	24326	89	02863	22127	5-	02967	28127
245	83	02964	11317	53	01963	12314	5-	03748	04228	5-	02967	28127
260				09	01890	23215	5-	02752	23114	53	01762	23114
278	57	02947	28427	73	02851	28527	53	02862	26416	10	01945	30415
279	57	02955	23227	83	02863	19426	07	01890	30314	17	01851	30213
285										13	01861	30413
288	77	02764	30226	57	02864	06328	53	08464	20145	5-	05666	12126
575	5-	02858	28128	5-	02858	28128	5-	02858	00028	5-	02868	00028
301	13	02842	28425	53	02863	27426	53	02872	28326	13	01741	31325
321	50	05653	26425	58	02263	27227	53	05664	28226	57	61564	30166
299	54	01763	04114	74	02764	02215				--	48109	14149
292	19	01962	24214	19	01861	07215	57	02763	00027	52	05661	00028
310							33	05690	06127	--	02426	24346
614	53	05564	26226	13	05663	30125	53	05563	30186	57	05575	28127
333	8-	02857	28327	53	02964	30225	57	02864	02326	59	02944	01385
334	--	02662	26213							--	03647	30228
340	10	02863	30224	43	02863	32327	53	02855	30227	[illegible]	25765	28387
136	19	02762	26216	08	01790	02213	5-	81568	00028	59	05553	08108
336	10	01763	24313	13	01763	28415				57	05656	28328
350	05	01790	21477	8-	02864	26127	53	05663	28227	09	05690	28224
368	84	01823	24243	50	09701	22325				53	02654	12226
379	13	00962	20203	83	02864	24227	53	05663	02426	03	05690	32414
390	00	05690	24100	2-	05666	00017	03	05590	00015	05	05590	24112
382	14	00961	28101	44	01863	23114	53	05664	31216	05	05690	01115
438	00	00690	20300	04	01790	24304	55	02763	24215	04	00790	22302
430	00	00790	20200	03	02890	12203	05	01790	06115	07	41690	12146
409	50	49714	23244	5-	57108	30258	--	48109	32149	5-	49617	04247

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 30th 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	bzdby	bc, cy	cycwz
Croydon	bzoy	bz.by	bcm.cm.
Greenwich	bzoy	bczoy	cbc
Camden Square	b	b	*
Kensington	bcz	bcz	*
Hampstead	cbc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0.1 Time 7½h 29th; Min. <0.1 Time 24h 30th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	83	62	53	-	-	12.8	*	*
Croydon	84	59	57	-	-	13.5	*	*
Greenwich	84	59	46	-	-	11.2	35	64
Westminster	84	63	56		-		45	72
Regents Park	85	63	56	-	-		49	63
Camden Square	86	63	58	-	-	*	*	68
Kensington	86	62	56	-	-		45	67
Hampstead	84	61	57	-	-		*	73