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THE DAILY WEATHER REPORT

BRITISH SECTION

1st July to 30th September

1943

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

INTRODUCTION

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

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

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

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

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

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

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

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

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

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

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

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

Form of 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).

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

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

Cloud Form Abbreviations

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

Cloud Amount — Columns 13, 14, 28, 29

Columns 13, 28. The figures in these columns indicate the amount of cloud at the height given in Columns 15, 30.

Columns 14, 29. The figures in these columns indicate the total amount of all forms of cloud.

An entry "4–6" means that the cloud amount may be 4, 5 or 6 tenths; similarly for other grouped entries.

"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.

"9 +" signifies sky covered but with a few small openings.

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

		Objects not visible at
0	Dense fog	55 yards
1	Thick fog	220 ,,
2	Fog	550 ,,
3	Moderate fog	1,100 ,,
4	Mist or haze	1½ miles
5	Poor visibility	2½ ,,
6	Moderate ,,	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.
⊕, Solar halo. ⦶, lunar halo. ⌓ Aurora.

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

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

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

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

[illegible]miral [illegible]ort's [illegible]al [illegible]n	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.
	Calm; smoke rising vertically...	Less than 1
	irection of wind shown by smoke drift ...	1–3
	ind felt on face; leaves rustle ...	4–7
	aves and small twigs in constant motion; wind extends ight flag ...	8–12
	ses dust and loose paper; small branches are moved ...	13–18
	trees in leaf begin to sway; crested wavelets on l waters...	19–24
	nches in motion; whistling heard in telegraph wires	25–31
	in motion; inconvenience felt when walking nd ...	32–38
	off trees; generally impedes progress...	39–46
	al damage occurs (chimney pots and slates ...	47–54
	nced inland; trees uprooted...	55–63
	erienced; accompanied by widespread damage	64–75
	...	Abo

GALE WARNINGS*

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

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

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

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

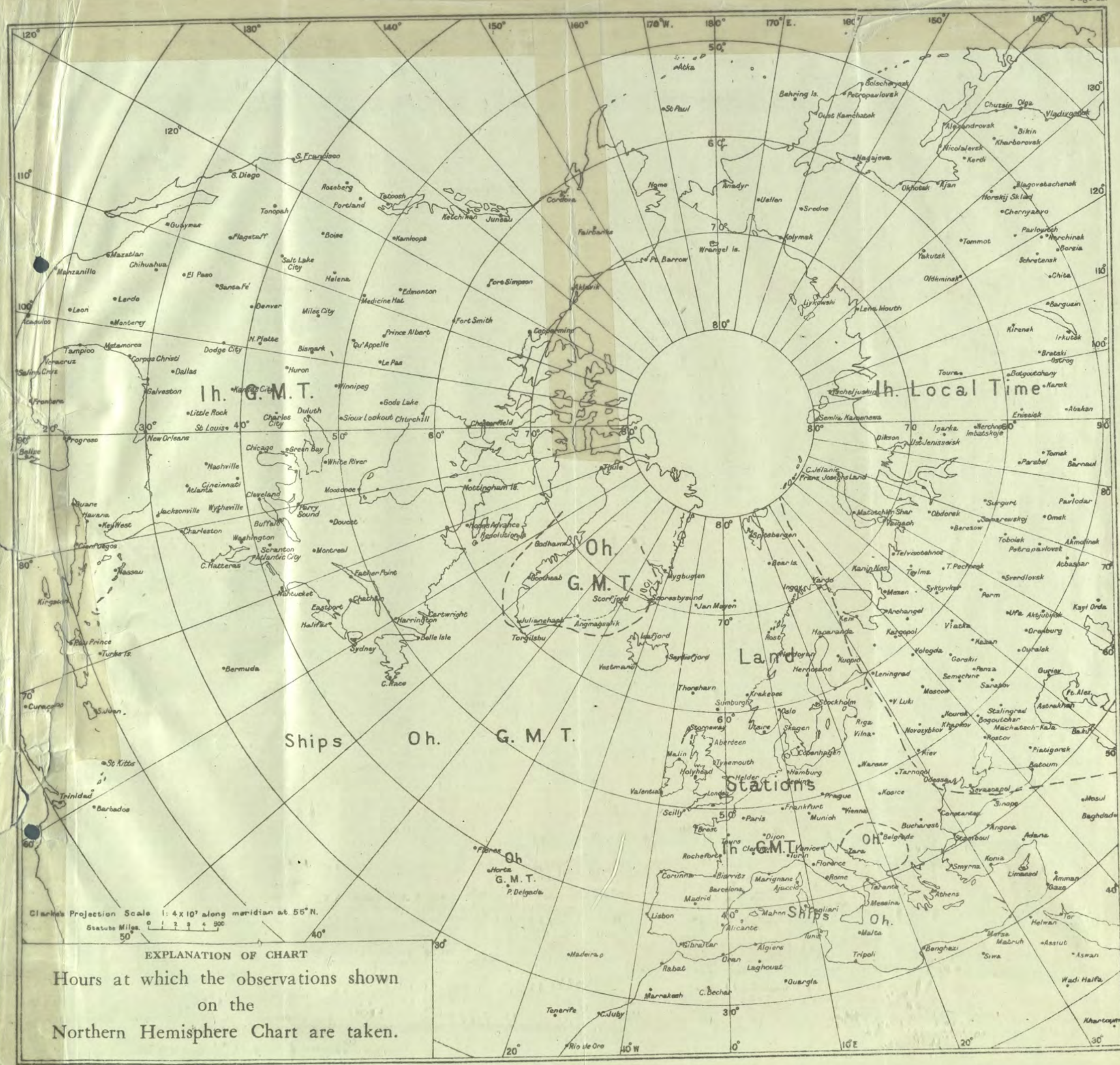
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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

▲ North Cone hoisted: ▼ South Cone hoisted:

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

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


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

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND

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

FORECAST DISTRICTS and the Counties comprised within them

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14. *Mid Scotland.*
Perth.

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

16. *Orkneys and Shetlands.*

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

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

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

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

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT

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

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

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

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

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

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

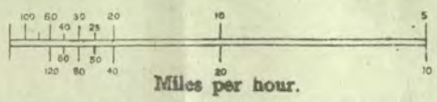
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the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

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

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

GEOSTROPHIC WIND SCALES

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



This scale applies under the following conditions:—

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON

MONTHLY SUPPLEMENT, AUGUST, 1943. No. 320

Unsettled; rather dry in the South, wet and cool in the North.

The passage of depressions across the British Isles throughout the month has been much in evidence, and only weak ridges of high pressure developed on the 9th, 11-12th, 15th and 31st.

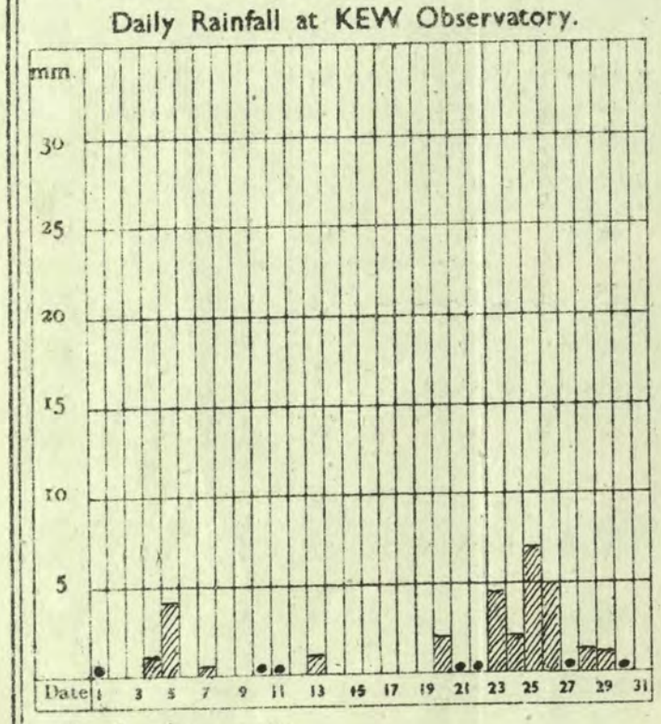
Rainfall in the southern half of the country was below the average, some stations recording about half the normal amount, but in Scotland and N. Ireland the fall was much in excess. 32 m.m. were registered at Tynemouth on the 5th, and 29 m.m. at Eskdalemuir on the 29th accompanied by a thunderstorm. Thunderstorms were also reported on various occasions during the month, particularly during the early part.

Mean temperature was about average in the South but below in the North. Day maxima above 80°F. was reached at a number of stations in the South during the 16-18th, and 20th, notably 83°F. at Upper Heyford on the 17th. A low reading of 52°F. occurred at Wick on the 13th. Night minima were high on the 18th and 21st, the thermometer not falling below 65°F. at Lympne on the 18th. A low reading of 24°F. was recorded at Dalwhinnie on the 27th. During the night of 11th-12th a rather unusual ground frost occurred in the South, 30°F. being registered at S. Farnboro' and Greenwich.

Apart from stations in S.E. England, most places had a deficiency of sunshine, particularly in Ireland.

Gales were reported at Plymouth and Pembroke on the 1st, and at a few other exposed places during the month.

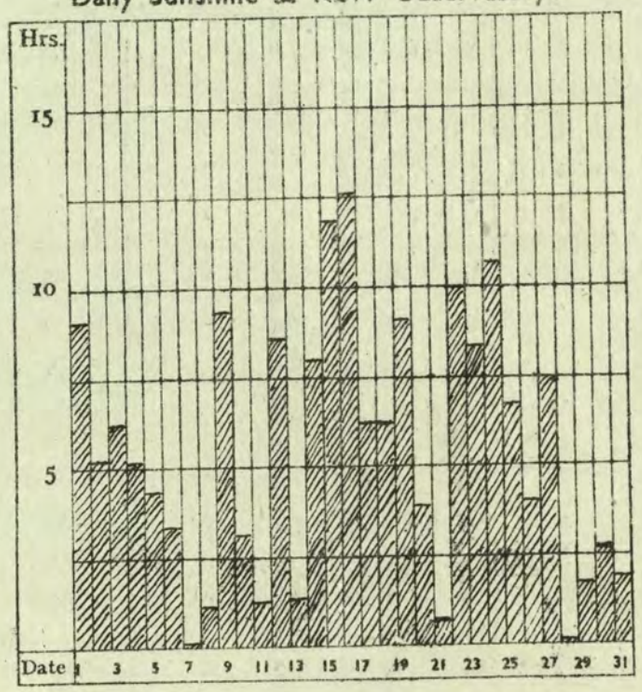
Daily Rainfall at KEW Observatory.



● = less than 0·5 mm.

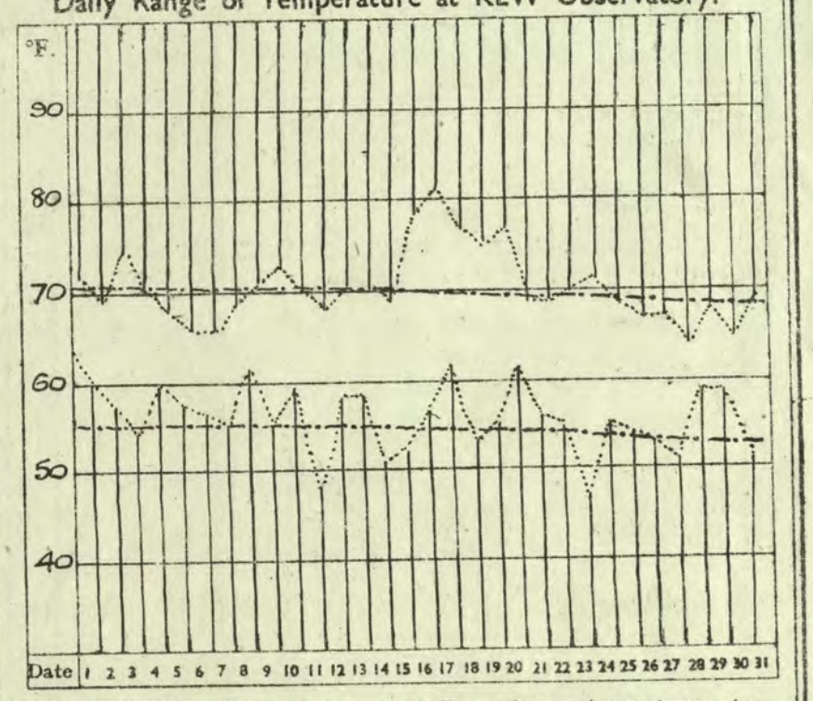
RAINFALL. Total for Month. 30 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 174 hrs.

Daily Range of Temperature at KEW Observatory.



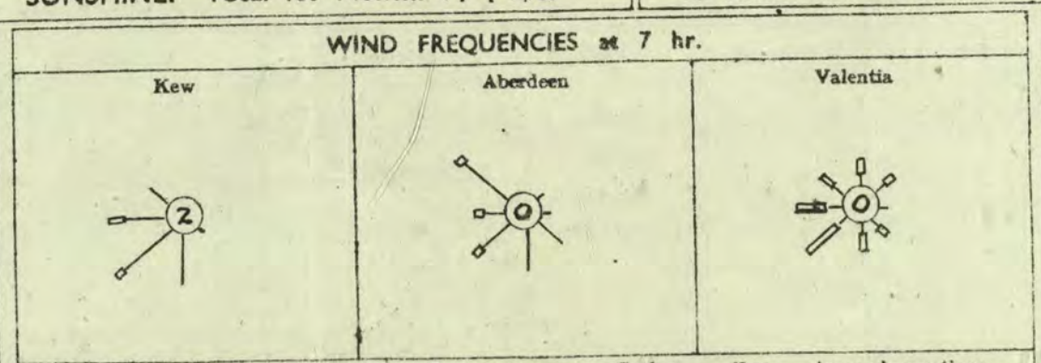
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb	mb.	°F.	°F.
Kew	1013.7	-1·6	63·1	+0.4
Aberdeen	1008·9	-2·6	54.9	-1.8
Valentia	1011·9	-2·8	58·7	-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; ▭ 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 ...	6,503
Aberdeen ...	4,696
Lerwick ...	9,996
Valentia ...	

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District	Stations	† Temperature. Number of daily readings within fixed limits. Maximum. 51° - 59°	60° - 68°	69° - 77°	78° - 86°	Average Maximum.	Minimum. 32° - 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	10	19	2	70.5	0	2	23	6	55.0	81	17	64	28	64	1	47	24	0	0	30	1	0	29	0	0	29	0	0	0	0	0	20	0	0	0	0	31
	Croydon ...	0	6	21	4	70.1	0	4	21	6	54.0	81	16,17, 20,	64	28	64	1	43	12	0	2	23	1	0	27	0	0	27	0	0	0	0	0	17	0	0	0	0	30
	Thorney Island	0	10	19	2	68.6	0	5	20	6	55.5	79	11,17	63	28	65	18	43	12	0	7	21	0	1	29	0	4	23	0	0	0	1	0	27	0	0	0	0	31
	Lympne ...	0	17	14	0	67.9	0	7	19	5	53.6	77	17	62	28	65	18	45	12	0	6	17	1	3	24	0	4	17	4	0	1	0	2	21	0	0	0	0	29
2	Shoeburyness...	0	2	24	5	71.0	0	3	19	9	54.1	82	20	65	28	65	1	45	12	0	0	20	0	0	28	0	0	25	2	0	0	0	0	17	0	0	0	0	26.
	Gorleston ...	0	12	17	2	68.0	0	4	17	10	55.0	81	18	62	27	66	1,20	46	12	0	0	24	0	0	29	0	1	26	0	0	0	0	0	27	0	0	0	0	29.
	Cranwell ...	0	12	17	2	68.9	0	9	20	2	51.7	79	1	62	7, 11, 26	63	1	44	15	0	3	20	1	1	30	0	1	28	1	0	0	1	0	14	0	0	0	0	27
3	Birmingham ... (Edgbaston)	0	21	9	1	67.7	0	5	24	2	52.9	81	17	60	7	61	1,18	46	12	0	6	21	1	1	29	0	0	29	0	0	0	0	0	17	0	0	0	0	27
4	Ross-on-Wye...	0	18	12	1	68.5	1	4	24	2	52.6	82	17	61	7	63	18	41	12	0	0	30	0	0	30	0	0	30	0	0	0	0	0	29	0	0	0	0	30.
5	The Lizard ...	0	30	1	0	*	0	0	30	1	*	69	17	61	5,8	60	20	51	15	*	2	29	0	2	29	0	2	29	0	0	1	1	0	27	0	0	2	0	28
7	Holyhead ... (Valley)	0	29	1	1	63.0	0	4	26	1	55.1	81	17	60	7,12,	60	2	43	4,12	0	8	22	0	4	27	0	5	25	0	0	0	1	0	24	0	0	0	1	27
8	Chester ... (Sealand)	0	14	16	1	67.1	0	5	25	1	51.9	78	17	61	11	60	2	46	24	0	0	30	0	0	31	0	0	31	0	0	0	0	0	19	0	0	0	0	29.
10	Tynemouth ...	8	18	5	0	63.8	0	6	25	0	53.1	77	1	56	11	59	1,19	46	12	0	2	22	0	0	31	0	1	28	0	0	0	0	3	14	0	0	0	1	25
11	Leuchars ...	5	24	2	0	64.5	1	12	17	1	49.4	75	1	54	28	62	1	41	26	0	4	25	1	7	24	0	7	23	1	0	0	0	0	24	0	0	0	0	21
12	Renfrew ...	6	23	2	0	64.3	1	12	17	1	50.0	71	1	55	19,28	61	1	40	27	0	5	25	0	3	28	0	5	25	0	0	0	0	5	15	0	0	0	0	23
	Eskdalemuir ...	10	19	2	0	62.1	4	15	12	0	47.5	70	1	53	28	59	1	38	24	1	18	13	0	7	24	0	7	24	0	0	0	1	0	12	0	0	0	1	23
13H	Stornoway ...	21	10	0	0	60.3	2	14	15	0	50.0	65	18	54	5	57	4	39	14	2	4	27	0	4	26	0	7	22	2	0	0	0	0	26	0	0	0	0	26.
15	Aberdeen ...	15	15	1	0	62.8	2	14	15	0	50.7	72	1	53	10	59	1	39	27	1	6	22	0	5	26	0	3	25	1	0	0	0	0	25	0	0	0	1	24
18	Aldergrove ...	5	25	1	0	65.1	1	10	20	0	51.3	72	1	56	13	59	18	41	3	0	10	20	0	3	28	0	1	30	0	0	0	0	2	25	0	0	0	0	26.
19	Birr Castle ...	0	26	5	0	65.1	1	10	20	0	51.3	76	17	60	12,26	59	20	41	12	0	8	21	0	5	26	0	7	24	0	0	0	0	0	31	0	0	0	0	31
20	Valentia ... (Cahirciveen)	2	28	1	0	63.1	0	5	26	0	54.5	74	17	59	12,26	59	1,8, 18.	45	12	0	4	26	0	4	27	0	4	27	0	0	0	0	0	27	0	0	0	0	27.

UPPER AIR TEMPERATURE.

Pressure mb.	Normal Height Feet.	Bircham Newton. Normal Temp. °F.	Mean. °F.	No. of Reports.	Aldergrove. Mean. °F.	No. of Reports.	Penzance. Mean. °F.	No. of Reports.
950	1830	57.7	54.9	62	51.8	61	54.6	31
850	4850	46.3	44.7	62	41.7	61	47.9	31
750	8200	37.8	36.3	62	34.1	61	40.6	31
650	11940	27.0	26.9	62	23.9	61	30.5	31
550	16200	13.5	13.5	62	11.1	61	17.1	31

UPPER WINDS.

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

Station. Height. Metres.	Lympne. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Exeter. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Holyhead (Valley). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Prestwick. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Station. Height. Metres.
		kilometres per hour.						kilometres per hour.						kilometres per hour.						kilometres per hour.					
500 above ground	61	18	34	7	0	0	29	14	13	2	0	0	13	3	8	1	0	0	62	32	21	7	1	0	500 above ground.
1000 above M.S.L.	54	19	27	6	0	0	22	7	11	4	0	0	10	3	7	0	0	0	45	23	18	3	1	0	1000 above M.S.L.
2000 " "	28	3	19	3	0	1	8	1	3	4	0	0	1	1	0	0	0	0	16	10	6	0	0	0	2000 " "
3000 " "	15	1	8	5	0	0	2	0	1	1	0	0	1	1	0	0	0	0	4	1	3	0	0	0	3000 " "
4000 " "	7	0	3	4	0	0	1	0	1	0	0	0	1	1	0	0	0	0	2	0	2	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 August 1943.

District	Stations	Sunshine: Number of Days with Duration: Nil	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration: Hours	Date	Total for past 12 months (Hours)	Difference from average (Hours)	Total for Month (Hours)	Difference from average (Hours)	Highest and Lowest Totals on record for Month: First year of record	Highest (Hrs.)	Year	Lowest (Hrs.)	Year
1	London (Kew Obsy)	0	9	7	8	7	12·6	16	1440	-29	174	-9	1880	262	1899	109	1912
	Croydon	0	7	8	8	8	14·5	16	1609	+84	199	+6	1922	260	1923	136	1931
	Thorney Island **	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne	0	6	8	5	12	13·0	16	1819	+54	219	+6	1921	283	1933	167	1925
2	Shoeburyness	0	5	10	8	8	13·1	15	1694	-22	213	+2	1919	263	1933	165	1942
	Gorleston	2	7	10	8	4	11·6	1, 19	1694	+51	174	-23	1908	249	1923	116	1912
	Cranwell	2	8	9	9	3	12·2	1	1629	+91	149	-36	1921	225	1933	139	1925
3	Birmingham (Edgbaston)	2	8	10	8	3	10·4	15, 17	1445	+141	146	-17	1887	247	1899	85	1896
4	Ross-on-Wye	1	10	10	6	4	10·7	15	1517	+32	148	-24	1915	244	1933	107	1922
5	Falmouth (Observatory)	2	9	7	6	7	13·3	15	1638	-72	169	-27	1881	297	1899	104	1912
7	Holyhead (Valley)	*	*	*	*	*	*	*	*	*	*	*	1914	212	1914	131	1942
8	Chester (Sealand)	2	5	13	8	3	11·6	3	1644	+268	159	0	1923	193	1926	125	1924
10	Tynemouth	*	*	*	*	*	*	*	*	*		*	1935	*		*	*
11	Leuchars	7	7	8	3	6	12·5	8	1635	+165	132	-23	1922	202	1933	98	1942
12	Renfrew	5	13	7	4	2	10·7	11	1271	+78	101	-28	1921	165	1926	85	1942
	Eskdalemuir	5	14	7	3	2	10·4	14	1229	+28	93	-28	1910	197	1911	44	1912
13B	Stornoway	4	19	1	5	2	11·0	28	1041	-174	94	-34	1881	262	1899	75	1942
15	Aberdeen	5	12	6	6	2	10·2	22	1382	+53	111	-29	1881	199	1938	67	1912
18	Aldergrove	4	16	7	2	2	9·5	24	1364	+38	93	-44	1927	182	1931	82	1942
19	Birr Castle	2	17	6	6	0	9·0	11	1211	-95	96	-41	1881	236	1899	70	1894
20	Valentia (Cahirciveen)	5	13	6	5	2	10·7	11	1264	-104	102	-46	1880	270	1899	87	1894

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)	19	3	8	1	0	0	7	25	551	-55	30	-27	1856	165	1878	2	1940	1	0
	Croydon	18	6	5	2	0	0	10	5	702	+23	30	-29	1921	106	1931	0·5	1940	1	0
	Thorney Island **	20	3	7	1	0	0	9	25	652	-41	33	-27	1881	149	1912	0	1940	1	0
	Lympne	18	3	8	2	0	0	7	5	670	-54	32	-27	1920	129	1941	2	1940	3	0
2	Shoeburyness	20	4	6	1	0	0	13	5	533	+30	31	-14	1920	93	1941	4	1940	2	0
	Gorleston	18	5	7	1	0	0	10	25	562	-60	42	-21	1871	208	1912	7	1937	5	0
	Cranwell	21	2	5	3	0	0	12	20	499	-91	41	-28	1917	91	1917	11	1937, 1940	0	0
3	Birmingham (Edgbaston)	16	5	6	4	0	0	8	20	673	-1	39	-30	1893	173	1912	6	1940	0	0
4	Ross-on-Wye	17	8	3	1	2	0	18	20	659	-58	53	-12	1859	202	1878	4	1936	1	0
5	Falmouth (Observatory)	10	8	10	2	1	0	15	4	917	-190	64	-19	1871	267	1912	4	1940	1	0
7	Holyhead (Valley)	10	5	13	3	0	0	9	28	903	+16	74	-7	1871	227	1917	14	1940	1	0
8	Chester (Sealand)	10	4	15	2	0	0	6	28	661	+23	55	-15	1922	150	1931	12	1940	2	0
10	Tynemouth	7	7	12	4	0	1	32	5	557	-64	104	+34	1915	138	1917	24	1918	3	0
11	Leuchars	11	2	10	6	2	0	18	10	579	-74	110	+32	1922	192	1930	9	1932	5	0
12	Renfrew	4	4	12	10	1	0	15	1	1203	+164	146	+54	1921	149	1929	28	1932	3	0
	Eskdalemuir	3	8	8	8	3	1	29	29	1729	+300	193	+62	1910	262	1923	46	1931	5	0
13B	Stornoway	7	4	12	6	2	0	20	25	1342	+141	133	+37	1870	217	1903	18	1880	0	0
15	Aberdeen	10	5	9	5	2	0	19	1	689	-59	105	+35	1871	176	1877	19	1899	3	0
18	Aldergrove	5	3	12	11	0	0	14	15	915	+77	136	+45	1926	155	1929	17	1940	1	0
19	Birr Castle	7	7	11	4	1	1	26	25	866	+39	109	+12	1862	229	1917	13	1940	*	*
20	Valentia (Cahirciveen)	2	10	13	6	0	0	15	19	1226	-188	104	-18	1866	220	1928	10	1940	*	*

MINIMUM SURFACE HUMIDITY.

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

Stations	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew)	0	0	1	2	3	6	11	8	0	0
Ross-on-Wye	0	0	0	5	6	9	10	1	0	0
Falmouth (Obsy.)	1	5	5	13	7	0	0	0	0	0
Renfrew	0	1	3	4	13	8	2	0	0	0
Eskdalemuir	0	0	4	11	7	8	1	0	0	0
Aberdeen	0	0	1	8	10	8	4	0	0	0
Valentia	1	3	11	11	3	2	0	0	0	0

STATE OF GROUND AT 18 h.

No. of Days each Type was recorded

Stations	0	1	2	3	4	5	6	7	8	9
London (Kew)	18	13	0	0	0	0	0	0	0	0
Ross-on-Wye	21	10	0	0	0	0	0	0	0	0
Renfrew	4	27	0	0	0	0	0	0	0	0
Eskdalemuir	13	17	1	0	0	0	0	0	0	0
Aberdeen	6	25	0	0	0	0	0	0	0	0
Valentia	31	0	0	0	0	0	0	0	0	0

CODE for State of Ground.

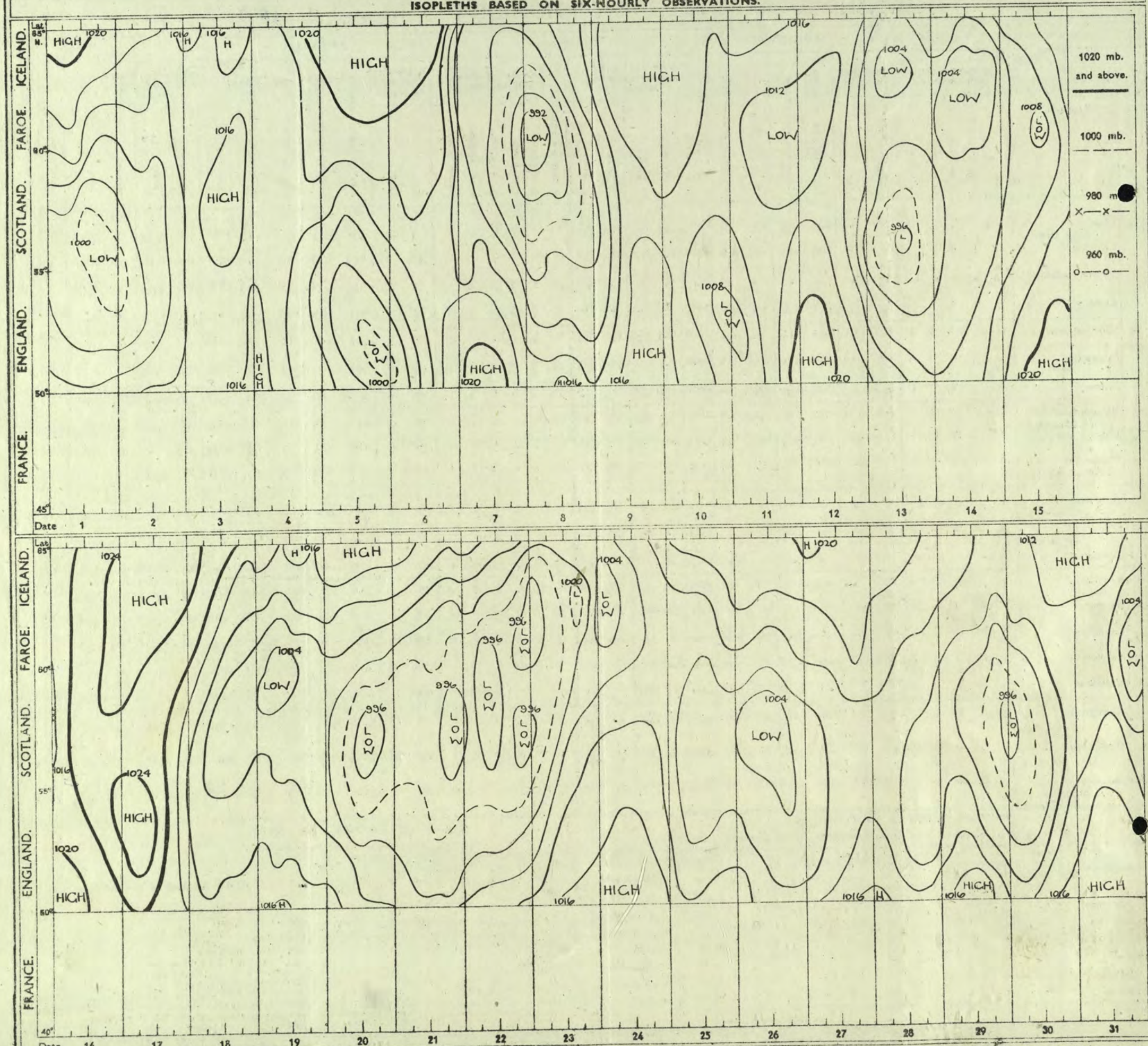
0 Dry.
1 Wet.
2 Flooded.
3 Frozen hard and dry
4 Partly covered with snow or hail.
5 Covered with ice or glazed frost
6 Covered with thawing snow.
7 Covered with snow, less than 6 in., but ground not frozen.
8 Covered with snow, less than 6 in., and ground frozen.
9 Covered with snow, greater than 6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

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

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

PRESSURE: ICELAND TO GULF OF LIONS ..... August 1943

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



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

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

SECRET

Page 1 **BRITISH SECTION**

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

Sunday, 1st August 1943

No. 29837

OBSERVATIONS at 13h. G.M.T. 31st July

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	10·6	-28	SE	4	b	89	35	56	8	-	-	-	0	0	-
	Croydon	12·4	-26	E	3	b	91	35	56	8	-	-	-	0	0	-
	S. Farnborough	10·3	-30	SE'S	3	b	90	35	59	7	-	-	-	0	0	-
	Boscombe Down	09·9	-34	SSE	4	b	87	45	61	7	-	-	-	0	0	-
	Thorney Island	11·4	-22	E'S	3	t	82	55	66	6	-	-	-	0	0	-
	Lympne	12·5	-26	ESE	3	z	85	55	69	6	-	-	-	0	0	-
	Manston	13·5	-20	E	3	z	80	55	62	6	-	-	-	0	0	-
2	Shoeburyness	13·7	-24	E	4	z	73	75	65	6	-	-	-	0	0	-
	Felixstowe	14·4	-22	E'S	3	z	72	85	67	6	-	-	-	0	0	-
	Gorleston	16·5	-10	E'S	2	z	66	85	60	6	-	-	-	0	0	-
	Mildenhall	12·6	-24	S'E	4	b	85	35	58	8	-	-	-	0	0	-
	Cranwell	11·4	-30	SSE	4	b	87	35	59	7	-	-	-	0	0	-
3	Birmingham	10·0	-26	SSE	5	b-bc	87	35	56	8	-	8	-	0	2·3	-
	Upper Heyford	10·3	-30	SSE	3	b	88	35	59	7	-	-	1	0	Tr	-
4	Ross-on-Wye	08·5	-30	SE'S	4	c-bc	88	35	59	7	-	5	-	0	7-8	-
5	Hartland Point	07·3	-12	W	3	c-bc	67	85	61	6	3	9	-	4-6	7-8	1300
	Bristol	09·2	-28	SE	5	c	84	45	62	7	-	8	-	0	9	-
	Portland Bill	10·0	-18	ENE	4	c	67	85	62	7	2	-	-	10	10	4000
	Plymouth	09·2	-10	SSW	4	b-bc	74	75	66	7	-	8	-	0	2·3	-
	The Lizard	09·7	+4	S	3	cjkz	70	85	63	8	5	-	-	9+	9+	2500
	Scilly (St. Mary's)	08·9	0	SE'S	4	c/pr	66	92	63	7	8	8	-	7-8	9+	1200
	Guernsey															
6	Pembroke	07·9	-6	SSE	2	m	64	97	64	4	5	-	-	10	10	2000
7	Holyhead (Valley)	07·9	-8	S'W	3	b-bc	78	55	62	7	2	6	3	2·3	2·3	2000
	Chester (Sealand)	09·1	-22	S'W	4	bc	88	45	51	6	2	3	2	2·3	4-6	3500
8	Manchester	09·7	-28	SSE	4	b-bc	86	45	60	7	-	8	-	0	2·3	-
10	Spurn Head	13·8	-20	SE'E	5	z	68	85	62	6	-	-	-	0	0	-
	Catterick (Sc)	11·6	-28	SSE	4	z	85	45	62	6	1	-	-	1	2·3	4000
	Tynemouth	13·1	-12	SSE	4	z	64	85	58	6	-	3	2	0	2·3	-
11	St. Abbs Head	09·0	-28	SE	4	bc	67	75	58	7	5	4	-	2·3	4-6	3500
	Leuchars	09·7	-20	ENE	3	z	72	65	61	6	-	-	8	0	4-6	-
12	Renfrew (Abbots I.)	07·9	-22	SE'S	2	bc/br	84	45	62	8	8	7	2	2·3	4-6	3500
	Eskdalemuir	09·0	-26	SSW	4	b-bc	79	55	61	8	-	3	-	0	2·3	-
	Point of Ayre	08·4	-2	S'E	2	r/tlr	68	75	61	7	9	-	-	9+	9+	3500
13A	Tiree	06·3	-16	SE	3	c	65	85	60	7	8	8	-	4-6	9	3000
13B	Stornoway	08·6	-18	NE	3	ir	57	97	56	7	5	-	-	10	10	1200
15	Dalwhinnie	09·0	-20	S	3	bc	76	55	57	7	8	-	9	2·3	4-6	2500
	Aberdeen	11·0	-12	SSE	3	b-bc	68	65	58	6	-	-	1	0	2·3	-
	Wick	11·1	-14	SE	2	rf	57	97	57	3	-	-	-	10	10	<150
16	Sumburgh	12·3	-30	NE'E	5	r r	55	97	55	6	5	-	-	10	10	300
17	Blacksod Point	04·2	-10	-	0	c	67	75	59	7	5	-	-	10	10	1500
18	Malin Head	04·1	-22	NNW	1	bc	70	75	62	8	-	9	-	0	4-6	7200
	Aldergrove	05·9	-18	SSE	3	b	76	65	61	7	-	4	-	0	Tr	-
19	Birr Castle	02·6	-22	S	3	bc	76	65	64	8	5	-	-	4-6	4-6	2500
20	Valentia Obsy.	02·2	-22	SE	3	ir	67	85	62	7	5	-	-	10	10	2500
	Roches Point	05·3	-10	S	4	c	64	92	62	8	5	-	-	9+	9+	1500

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

Stations	Barom. at M.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)	09·8	+6	SSW	7	TLR	74	45	50	6	9	-	-	9+	9+	1500	0	*
Croydon	08·4	-20	S	4	TLR	85	45	63	6	8	8	4	4-6	7-8	2500	0	*
S. Farnborough	09·5	+6	SSW	4	TLR	75	85	69	5	9	-	-	10	10	1200	1	*
Boscombe Down	08·7	+2	SSW	3	bc	75	65	62	7	3	3	3	1	4-6	3000	0	*
Thorney Island	10·1	+2	SSE	2	cbc/TLR	69	65	53	6	3	-	3	4-6	7-8	4000	1	*
Lympne	08·4	-18	E	2	z	81	55	64	6	-	-	3	0	2·3	-	0	§
Manston	08·9	-30	E	3	z	78	55	68	6	-	-	-	0	0	-	0	*
Shoeburyness	09·6	-24	E'S	4	z	74	75	66	5	-	-	-	0	0	-	0	2
Felixstowe	09·6	-30	E	4	z	73	97	72	6	-	-	-	0	0	-	0	3
Gorleston	11·1	-28	E'S	3	z	68	85	62	6	-	-	-	0	0	-	0	
Mildenhall	08·6	-26	SE'E	4	b	84	45	58	7	-	-	-	0	0	-	0	*
Cranwell	07·2	-26	SSE	4	b	85	35	56	7	-	-	-	0	0	-	0	*
Birmingham	07·3	-12	WSW	3	c/bcr	71	85	66	8	9	8	3	4-6	9	2500	1	*
Upper Heyford	07·2	-14	SSW	4	c-bc	81	55	64	7	8	9	3	2·3	7-8	5700	0	*
Ross-on-Wye	06·9	0	SSW	4	b	75	65	64	7	2	·	3	Tr	1	3000	1	*
Hartland Point	07·1	-10	SW	3	c/r	56	85	50	8	5	7	-	7-8	9	2000	0	4
Bristol	08·3	+8	SW	4	b-bc	74	75	66	7	-	8	-	0	2-3	-	1	*
Portland Bill	09·7	-10	SW	3	c	63	92	61	7	5	6	-	7-8	9	4000	1	4
Plymouth	08·9	-6	SSW	4	c-bc	65	92	63	6	8	8	8	4-6	7-8	2000	0	2
The Lizard	07·9	-12	S	3	c-bc	65	92	63	8	7	3	-	4-6	7-8	2500	0	3
Scilly (St. Mary's)	06·7	-12	S'E	4	bc	67	85	63	7	8	4	3	4-6	4-6	1200	0	4
Guernsey																	
Pembroke	07·1	-4	SSW	4	c-bc	63	92	60	7	8	7	-	4-6	7-8	2500	0	2
Holyhead (Valley)	06·5	-10	SSW	3	z	63	92	61	6	3	6	-	7-8	10	2000	1	1
Chester (Sealand)	07·4	0	S'W	1	tlr	67	92	64	6	2	2	-	2·3	10	2500	1	*
Manchester	07·3	+2	W	5	t	76	65	61	8	9	-	-	9	9	3000	0	*
Spurn Head	09·4	-16	ESE	6	z	64	85	59	6	-	-	-	0	0	-	0	4
Catterick (Sc)	07·0	-42	ESE	4	bc	82	55	61	7	-	3	9	0	4-6	-	0	*
Tynemouth	08·0	-32	SSE	5	bc	63	85	58	7	-	3	1	0	4-6	-	0	4
St. Abbs Head	07·2	-10	SE	4	c-bc	64	75	57	6	5	2	-	4-6	7-8	3000	0	4
Leuchars	06·8	-14	SE	2	c/tlr	73	75	64	6	3	8	-	4-6	9+	5000	0	*
Renfrew (Abbots I.)	05·2	-16	SE	1	z	77	65	66	6	5	3	6	4-6	9	2800	0	*
Eskdalemuir	06·2	-30	-	0	r/tlr	69	92	66	6	9	-	-	10	10	800	1	*
Point of Ayre	05·5	-18	SSW	4	c/tlr	67	85	62	8	9	-	-	10	10	4500	1	3
Tiree	13·4	-18	SE	2	b	67	85	63	8	-	8	9	0	1	-	1	1
Stornoway	06·5	-10	NNE	4	tlr	57	97	57	6	9	-	-	10	10	300	1	2
Dalwhinnie	06·0	-14	S	4	c	75	55	59	7	5	5	-	7-8	9	1000	0	
Aberdeen	08·1	-16	SSE	3	z	65	75	56	6	-	7	-	0	9+	-	0	2
Wick	08·5	-20	NE	2	z	59	97	58	6	5	3	-	2·3	4-6	1500	1	*
Sumburgh	09·5	-14	ESE	2	ir	58	97	58	5	5	-	-	10	10	2000	1	2
Blacksod Point	00·6	-18	N	3	c-bc	66	85	61	7	8	5	-	4-6	7-8	1500	1	3
Malin Head	01·2	-10	SSE	4	b-bc	70	75	62	8	1	-	2	1	2·3	2500	1	3
Aldergrove	03·2	-14	SSE	4	z	72	75	62	6	2	7	3	1	2·3	4000	0	*
Birr Castle	02·7	-6	SSW	3	c	67	85	62	8	5	2	-	7-8	10	2500	0	*
Valentia Obsy.	01·1	-6	S'E	5	pr	64	85	59	7	8	-	-	9+	9+	1500	1	3
Roches Point	03·5	-6	S	3	b-bc	65	92	63	8	5	-	-	2·3	2·3	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 31st (39)	13h.—18h. 31st (40)	18h. 31st to 1h. 1st (41)	1h.—7h. 1st (42)
London (Kew)	bz by	ctlkqprc	Rrcctlr R	tlcm
Croydon	by	by	bclm clm	cm
S. Farnborough	by	byctlRq	rtlRcbmtlr	ctlrmcm
Boscombe Down	bmbzy by	bycprbc	bccproc	c
Thorney Island	bmbzby	bctirm	bcmtlr	tlrrido
Lympne	bzy	bzy	tlrmmt	cmtlRm
Manston	bzy	bzy	byczotlr	bdlr
Shoeburyness	bz	bz	ctlr	bcc
Felixstowe	bbm	bm	ctlrm	ctlcrrc
Gorleston	bcz	bz	bccctlz	irrcir
Mildenhall	bby	by	ctlrm	clirom
Cranwell	by	by	by, ctlrc	cm
Birmingham	b bmbzy	bctlr by	c bcmoror	cbcc crorom cm
Upper Heyford	bzbcy	cygtlrb	bcc	ccpc
Ross-on-Wye	bbctlr	rfc	c	cbcir
Hartland Point	bczbcy	bcyTLRbc	bcccm	cmccprc
Bristol	c	fc	c	c
Portland Bill	bc	ccm	cprmcm	cmc
Plymouth	bcc	c	bclcw	cprc
The Lizard	cbcp	cbc	bccpbcc	cirropq
Scilly (St. Mary's)				
Guernsey				
Pembroke	bbcom	c emir	c cmcbc	bc clcc
Holyhead (Valley)	tlrbc	cytlRR	ctlRm	cmmbc
Chester (Sealand)	bzy	bbcyc	tlRpR	cbcm
Manchester	bzy			
Spurn Head	bz	cz bzybc	bc ctlrbc	c cirofm
Catterick (Sc)	bz	bbcm	bccotrtlc	cmirc
Tynemouth	bm			
St. Abbs Head	bcm	bcmcm	cmtlrrccr	cr
Leuchars	cmbcz	cprctlm	ctlrm bcrr	mjfm
Renfrew (Abbots I.)	mczypr	bcytlrrctlz	czrrpRpr	cmpr cm
Eskdalemuir	bm bc	dctlr	otlRm	oirpro
Point of Ayre	bccppr	ctrpr	Liroc	cb
Tiree	ctlrcmc	ctlrcm bc	ctrorocm	cm
Stornoway	crrmccr	ctlrctpr	ctlrcproc	cror c
Dalwhinnie	oprbc	bctlrc		ctlro
Aberdeen	czbcz	bczcz	czoorro	ororocz
Wick	prfprrf	irmtlbcm	cm irl	crorom cm
Sumburgh	cr rrm	cirm	cirotlrrm	cpp rrm
Blacksod Point	c	c	bc	c
Malin Head	bc	bc	pr	bc
Aldergrove	bcb bm b	byz bz	cprobd	bcbcw
Birr Castle	bc	c		c
Valentia Obsy.	r	pr	pr d	pr
Roches Point	d	r		r

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Moderate or fresh south wind veering west to northwest; bright intervals; showers, local thunderstorms; becoming cooler.
4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England	Moderate or fresh south wind veering northwest, strong locally; bright intervals; showers; local thunderstorms; becoming cool.
9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland	Light or moderate southeast wind backing slowly; bright intervals; showers; local thunderstorms; becoming cooler.
13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light or moderate east wind backing northeast to north; fresh or strong locally; occasional rain; local thunderstorms; becoming much cooler.
16 Orkneys and Shetlands	As 13B - 15
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Light variable winds becoming northwest to north, fresh or strong locally; occasional rain; local thunder; cool.

GENERAL INFERENCE

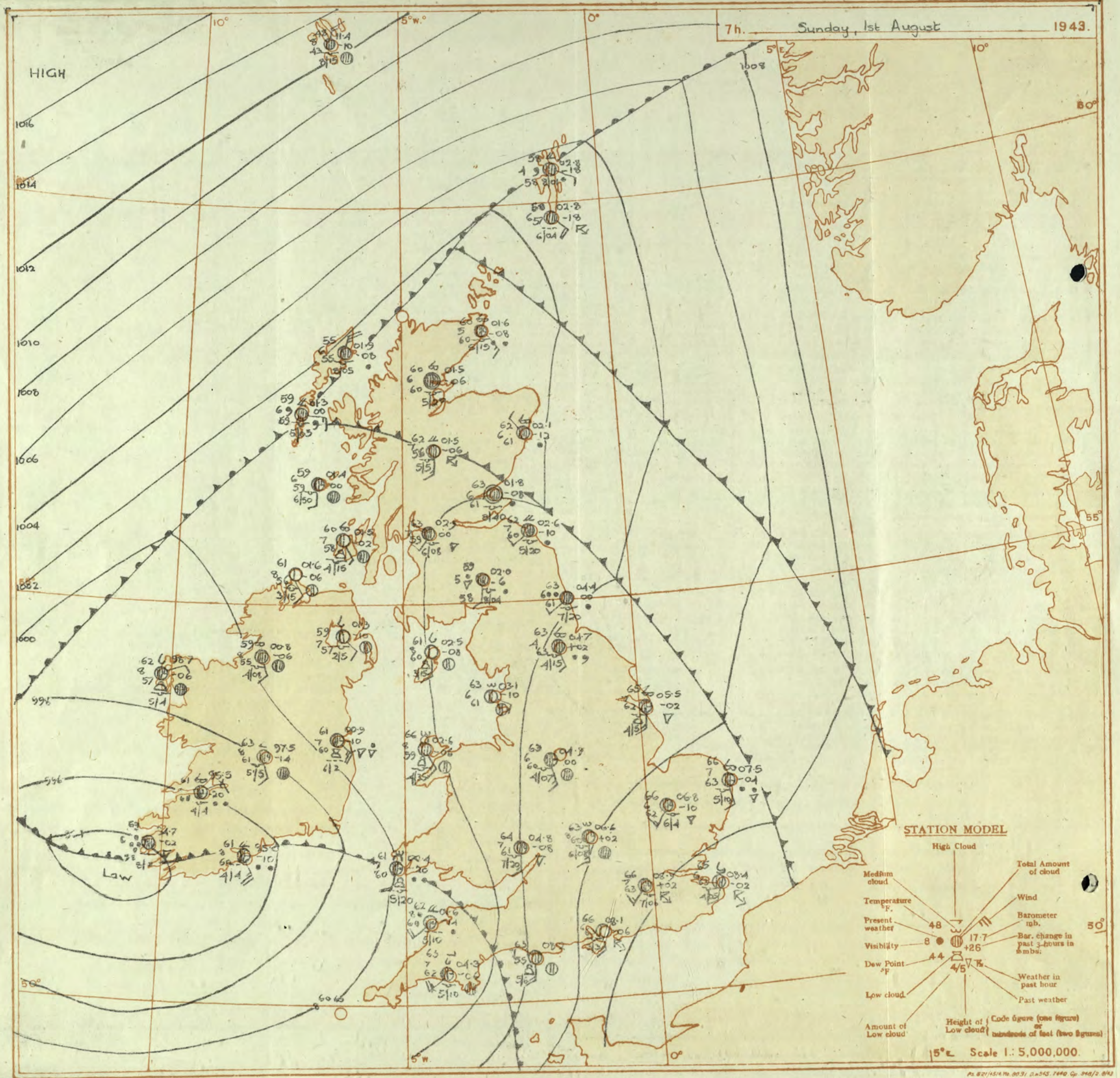
A depression off Southwest Ireland is moving slowly east northeast; there will be bright intervals and showers in most districts, with local thunderstorms; more general rain is likely later in the extreme north.

FURTHER OUTLOOK

Unsettled and cool; showers and local thunderstorms in the South; occasional rain in the North.

Forecasts issued at 10.30

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Page 4.

BRITISH SECTION

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

Sunday 1st August 1943

No. 29837

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

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	*	*	*	*	*	67	*	*	*	*	*	*	*	*	*
	Croydon	290	09·7	-2	S	4	tlr	66	85	62	5	9	6	-	4-6	10	4700
	S. Farnborough	226	08·7	-2	S	2	tlr	64	92	62	5	9	-	-	10	10	4000
	Boscombe Down	417	08·7	-2	S'W	1	c	62	97	60	7	5	-	-	10	10	400
	Thorney Island	10	09·0	-10	SE	3	tlro	65	97	64	6	-	2	-	0	10	-
	Lympne	283	10·6	+10	WSW	2	ct	66	85	63	5	3	-	-	9+	9+	4000
	Manston	154	08·7	-6	S	2	ct	67	92	64	6	2	6	-	9	10	6000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	07·6	-4	SW'S	1	tlr	70	85	65	5	8	2	-	9	10	1500
	Gorleston	5	08·4	-16	SSE	1	ct	69	85	62	6	5	-	-	9+	9+	1500
	Mildenhall	15	07·4	-14	S'W	2	l	67	85	63	6	-	-	3	0	Tr	-
	Cranwell	203	06·2	-14	S'W	3	l	65	92	63	6	-	6	-	0	1	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	06·8	-8	SSW	3	roro	66	85	62	6	-	2	-	0	10	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	05·5	-14	SE	3	Gbc	63	92	61	8	5	-	-	7-8	7-8	2500
	Bristol	209	07·7	-6	SW	1	Zo	63	92	61	6	5	7	2	2-3	9+	2500
	Portland Bill	32	09·0	-4	SW	3	c	63	85	60	7	5	-	-	10	10	4000
	Plymouth	86	06·7	-16	S	2	Zo	63	97	63	6	5	-	-	9+	9+	800
	The Lizard	240	05·8	-14	S	4	Gbc	63	97	63	7	5	-	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	03·0	-20	SE'S	5	Gbc	62	92	60	7	5	-	-	7-8	7-8	800
	Guernsey	175															
6	Pembroke	142	04·2	-24	S'E	4	Gbc	61	97	61	7	8	-	-	7-8	7-8	2500
7	Holyhead (Valley)	32	05·1	-14	SSE	3	c	62	92	60	7	8	3	-	7-8	9+	1300
	Chester (Sealand)	16	06·3	-6	-	0	bc	63	92	61	5	5	-	-	4-6	4-6	1300
8	Manchester	230	06·1	-6	SW'S	3	Zo	66	92	64	5	5	3	-	4-6	7-8	2500
10	Spurn Head	29	06·4	-26	S'W	3	b-bc	66	85	63	6	7	-	-	2-3	2-3	2500
	Catterick (Sc)	192	06·2	-14	-	0	Zo	63	97	63	5	5	-	-	4-6	4-6	2000
	Tynemouth	108	06·4	+20	SSE	3	Gbc	61	92	59	7	2	-	-	7-8	7-8	2500
11	St. Abbs Head	280	06·4	-18	SE	4	rr	60	97	60	7	6	-	-	9+	9+	2500
	Leuchars	36	04·3	-26	SE	1	Zo	62	97	62	6	5	7	-	7-8	10	1000
12	Renfrew (Abbots I.)	19	04·1	-16	ESE	1	pr	63	97	63	6	9	-	-	10	10	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	04·6	-10	SW'W	3	Gbc	61	92	59	8	8	r	-	7-8	7-8	1800
13A	Tiree	44	02·2	-2	SSE	3	Gbc/r	60	97	58	6	8	-	-	7-8	7-8	5000
13B	Stornoway	12	04·0	-14	NE	4	c	57	97	55	8	5	-	-	10	10	800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	04·3	-12	SE	1	f+	64	97	61	2	-	-	-	10	10	<150
	Wick	114	03·9	-24	SE	2	l	59	92	57	4	5	2	-	4-6	10	1000
16	Sumburgh	19	06·4	-26	ESE	3	m/tlr	57	97	57	4	9	-	-	10	10	400
17	Blacksod Point	18	00·2	-10	-	0	bc	60	92	58	8	5	-	-	4-6	4-6	2500
18	Malin Head	84	01·2	-6	S	3	bc	62	85	57	8	4	-	-	4-6	4-6	2500
	Aldergrove	268	03·1	-10	SSE	2	b-bc	59	92	58	8	5	-	-	2-3	2-3	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	97·7	-26	E	3	Gbc/pr	61	92	59	8	8	-	-	7-8	7-8	1500
	Roches Point	22	00·4	-22	S'E	4	c	61	97	60	8	5	-	-	9+	9+	1500

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

Stations	Barom. at M.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)	07·5	+4	SSW	3	Zo	66	92	64	6	5	-	-	9+	9+	2500	1	*
Croydon	08·9	+2	SSW	3	C	66	92	63	7	5	-	-	9+	9+	600	1	*
S. Farnborough	01·7	+2	S	2	Zo	65	92	63	6	7	3	1	9+	9+	1000	1	*
Boscombe Down	01·2	-2	S	3	C	64	85	61	7	5	-	-	9+	9+	600	0	*
Thorney Island	08·1	-6	S	3	Zo	66	92	63	6	5	-	-	2-3	2-3	800	1	*
Lympne	09·1	+2	SSW	3	m	63	97	63	4	5	-	-	10	10	100	1	§ 2
Manston	08·4	-2	SSW	2	Zo	65	92	6[illegible]	6	5	9	-	4-6	7-8	500	1	*
Shoeburyness	09·2	0	WSW	2	Gbc	66	97	64	7	2	4	-	4-6	7-8	1500	1	*
Felixstowe	08·2	+10	SSW	3	Gbc	67	92	64	8	-	7	3	0	7-8	-	1	3
Gorleston	07·5	-4	S'E	3	c/pr	66	85	63	7	5	7	-	7-8	9	1000	1	3
Mildenhall	06·8	-10	SSW	3	Zo	66	85	62	6	5	-	-	9	9+	1500	1	*
Cranwell	05·8	+2	SSW	3	c	64	92	62	7	5	7	-	7-8	9	1500	1	*
Birmingham	05·8	0	S'W	3	c	63	85	58	7	5	3	-	9	9+	800	0	*
Upper Heyford	06·6	+2	S	3	c	63	92	60	8	5	3	-	9	9+	800	0	*
Ross-on-Wye	04·8	-8	S	3	c	64	85	61	7	5	-	-	9+	9+	2000	1	*
Hartland Point	01·6	-14	SW	4	iro	62	92	60	8	6	2	3	7-8	9	1000	1	3
Bristol	05·6	-6	S	4	Gbc	64	92	62	8	8	-	-	7-8	7-8	1500	1	*
Portland Bill	08·2	-4	S	4	Gbc	63	85	58	7	2	-	-	7-8	7-8	4000	1	4
Plymouth	04·3	-6	SW	5	Gbc/c	63	97	62	7	5	4	1	7-8	9	1000	0	3
The Lizard	02·7	-4	WSW	6	c/pr	62	85	57	8	8	9	-	7-8	7-8	2000	1	5
Scilly (St. Mary's)	01·0	0	SW'S	6	c/pr	60	85	56	8	8	7	-	9+	9+	1000	1	5
Guernsey																	
Pembroke	00·4	-20	S'W	4	c/r	61	97	60	7	8	6	-	7-8	9	2000	1	4
Holyhead (Valley)	02·6	-6	SSE	3	Gbc	66	75	59	8	8	6	-	4-6	7-8	3500	2	2
Chester (Sealand)	04·3	-10	S'W	2	b-bc	62	92	60	6	2	8	-	2-3	2-3	3000	1	*
Manchester	04·3	-8	S	4	Zo	64	85	61	6	1	3	-	Tr	2-3	2500	1	*
Spurn Head	05·5	-2	S'W	3	c	65	85	62	7	7	7	-	4-6	9	2500	0	3
Catterick (Sc)	04·7	+2	SSE	1	m/d	63	97	63	4	5	7	-	4-6	10	1500	1	*
Tynemouth	04·4	0	SW	1	roro	63	92	61	6	5	-	-	9+	9+	2000	1	3
St. Abbs Head	02·6	-10	SW	2	roro	62	92	60	7	5	2	-	7-8	10	2000	1	3
Leuchars	01·8	-8	-	0	Zo	63	92	61	6	5	-	-	10	10	4000	1	*
Renfrew (Abbots I.)	02·9	0	SSW	1	c	63	85	59	7	5	-	-	9	10	800	1	*
Eskdalemuir	02·0	-6	S'W	2	pr	59	97	58	5	5	-	-	10	10	400	1	*
Point of Ayre	02·5	-8	S	3	b-bc	61	92	60	8	2	4	-	2-3	2-3	1500	1	2
Tiree	01·4	0	S	1	Zo	59	97	59	6	5	-	-	9	9	5000	1	2
Stornoway	01·9	-8	NNE	5	c	55	97	55	6	5	-	-	10	10	500	1	3
Dalwhinnie	01·5	-6	S	3	c	62	85	56	7	5	2	-	7-8	10	2500	0	*
Aberdeen †	02·1	-12	NW	1	Zo	62	92	61	6	-	7	-	0	10	-	1	1
Wick	01·6	-8	SE'S	3	c/r	60	97	60	5	5	7	-	7-8	9+	1500	1	*
Sumburgh	02·8	-18	SE'E	4	Zo	58	97	57	6	6	2	-	9	10	400	1	2
Blacksod Point	97·7	-6	ENE	2	c	62	85	57	8	8	4	-	7-8	9	1500	1	2
Malin Head	00·1	-6	SSE	2	b-bc	61	85	56	8	4	-	-	2-3	2-3	2500	1	2
Aldergrove	0[illegible]·3	-10	SE'E	2	bc	59	92	57	7	5	4	-	1	4-6	2500	1	*
Birr Castle	97·5	-14	SSE	3	c	63	92	61	8	5	1	-	7-8	9+	2500	0	*
Valentia Obsy.	97·7	-2	SE	3	RR	59	97	58	6	6	-	-	10	10	1500	1	2
Roches Point	95·0	-10	SSE	5	c/r	61	97	60	8	6	2	-	4-6	9	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 31st Hrs. (38)
London (Kew)	90	64	59	Tr	9	11·6
Croydon	93	64	62	-	8	11·7
S. Farnborough	92	63	57	4	4	11·2
Boscombe Down	88	61	60	0·1	Tr	11·8
Thorney Island	84	63	60	3	3	*
Lympne	87	63	61	-	12	12·6
Manston	82	63	62	-	8	13·0
Shoeburyness	74	65	63	-	9	12·7
Felixstowe	74	65	64	-	6	12·9
Gorleston	69	66	64	-	4	13·3
Mildenhall	88	65	62	-	8	13·2
Cranwell	89	63	61	-	7	12·9
Birmingham	90	61	53	2	-	11·7
Upper Heyford	91	61	58	-	0·6	*
Ross-on-Wye	89	61	59	2	0·1	8·8
Hartland Point	78	61	59	0·2	2	5·5
Bristol	88	61	57	3	1	7·3
Portland Bill	67	62	*	-	-	*
Plymouth	77	62	60	0·1	0·3	7·9
The Lizard	70	59	*	-	1	4·8
Scilly (St. Mary's)	70	60	*	Tr	3	9·4
Guernsey						
Pembroke	67	60	*	0·4	3	3·7
Holyhead (Valley)	85	59	57	3	Tr	*
Chester (Sealand)	88	59	55	16	1	9·0
Manchester	87	61	59	-	5	*
Spurn Head	69	63	*	-	Tr	13·3
Catterick (Sc)	88	61	54	-	3	11·8
Tynemouth	69	59	59	-	7	*
St. Abbs Head	69	58	*	-	3	*
Leuchars	76	61	58	Tr	12	5·1
Renfrew (Abbots I.)	84	61	58	2	6	8·2
Eskdalemuir	81	59	58	3	19	8·3
Point of Ayre	87	59	*	0·5	4	5·7
Tiree	69	58	55	3	15·2	8·3
Stornoway	58	55	54	14	7	0·0
Dalwhinnie	78	58	50	0·5	2	7·4
Aberdeen †	72	58	57	-	0·5	9·5
Wick	60	56	55	23	2	*
Sumburgh	58	56	56	8	20	0·0
Blacksod Point	70	59	*	-	1	*
Malin Head	80	58		-	0·4	8·7
Aldergrove	78	53	48	-	0·6	12·2
Birr Castle	77	58	54	-	--	6·0
Valentia Obsy.	71	59	57	6	25	2·5
Roches Point	65	61	*	1		*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 31st July $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 1st August $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	9-	62618	15368	9-	28638	00098	5-	28538	30198	5-	63528	16228
115												
203												
206	83	02756	04267	26	05664	04185	57	22564	00068	57	02655	00027
210	26	01761	06424	23	05673	00015	2-	05545	14288	57	02865	10168
219	52	22635	06488	52	02722	06588	9-	25758	08498	62	51625	08358
280	5-	05874	19194				82	81755	12168	57	05755	00086
245	00	05590	09311	53	05663	12215	00	48190	06149	57	00068	02062
260	53	02664	03826	84	02766	00026	8-	66538	08198	5-	02868	20128
278	13	17661	14423	07	17690	14315	5-	02757	18317	57	02955	14327
279	08	05690	14113	87	02875	20297	5-	05668	22198	5-	05657	18127
285	20	01765	16415									
288	00	00790	15400	06	01680	12412	07	08490	00013	52	22455	17168
576	14	05764	02877	87	02864	48317	3-	07745	16115	57	02884	14228
301	08	05690	12513	9-	97448	18498	5-	05658	26328	03	05690	10214
321	00	00790	15400				04	05690	14223	54	05643	16225
299	00	05690	16400	00	05690	12400	50	07644	16314	57	22646	20368
292										03	00790	10300
310												
614	04	01790	14002	38	01773	125[illegible]	42	61564	16115	53	05646	18326

III	13h. G.M.T. 31st July $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 1st August $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
388	28	05663	15514				5-	01764	16324	53	02774	14426
334	--	95647	[illegible]									
340	83	05674	14[illegible]15	24	82765	8785	07	05690	20323	57	05654	16425
136	00	00830	11400	00	00790	11400	8-	07663	16293	59	05636	17487
336	57	28754	1[illegible]396	53	02754	16316						
350	00	00790	12[illegible]00	36	13662	14403	57	07664	14195	54	02844	18385
368	53	05663	12414							8-	02745	12215
379	03	01790	47461	16	25664	51584				5-	05626	16426
390	00	05690	10400	00	05690	10402	5-	08467	14217	5-	05634	16327
382	00	01830	14411	36	02764	21416	36	25685	17188	5-	01844	17324
438	00	05590	06500				3-	95655	22498	5-	08448	23348
430	00	05690	12300	9-	97456	21317	3-	93543	22338	5-	05634	18324
409	58	01762	22814	57	02745	15226	26	25745	17385	50	02844	50566

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 1st August.
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.
Kew	bzoby	ctlkqproc	Rr,dlroomo	Whole of period
Croydon	by	by	bdcmo	
Greenwich	bzoy	bczoy	RTLbcRc	
Camden Square	o	b	*	
Kensington	bbcz	bccz	*	
Hampstead	bc	bcor	cortl	

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	90	64	59	Tr	9	11·6	*	*
Croydon	93	64	62	-	8	11·7		*
Greenwich	83	63	57	-	23	12·1	44	72
Westminster	90	65	62	7			66	62
Regents Park								
Camden Square	92	65	62	-	6	*	*	75
Kensington	91	64		-	6		45	79
Hampstead	87	63	60	1	4		*	70

SECRET

Page 1 BRITISH SECTION

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

2nd August 1943

No. 29838

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

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)	07·3	−2	SW'S	4	c-bc pr	70	75	61	7	8	3	3	7-8	9+	1500
	Croydon	08·7	−2	S	4	c-bc/pr	69	85	65	8	8	–	–	7-8	7-8	2000
	S. Farnborough	07·5	−2	SW'S	4	c-bc/pr	62	85	61	8	8	6	–	7-8	7-8	1600
	Boscombe Down	06·9	+2	SW'S	6	c-bc	68	65	54	8	2	–	–	7-8	7-8	2500
	Thorney Island	08·9	+2	SSW	5	c-bc	68	75	61	9	2	8	3	4-6	7-8	2500
	Lympne	09·5	+2	SW	5	bc	73	65	60	7	8	–	–	4-6	4-6	1500
	Manston	09·9	+10	SSW	6	bc	77	55	58	8	1	–	–	4-6	4-6	2000
2	Shoeburyness	09·1	−6	SSW	4	bc	77	65	64	7	8	–	–	4-6	4-6	4000
	Felixstowe	08·1	−2	S'W	4	bc	78	65	64	8	4	–	–	4-6	4-6	2500
	Gorleston	17·7	−2	S'E	6	bcq	67	85	63	7	2	–	–	4-6	4-6	2000
	Mildenhall	05·9	−10	SSW	5	c-bc	78	45	56	8	2	–	–	7-8	7-8	2600
	Cranwell	03·6	−22	S'W	5	c-bc	77	45	55	8	2	–	–	7-8	7-8	3000
3	Birmingham	03·6	−10	S	5	bc/pr	69	75	61	8	8	–	3	4-6	4-6	2500
	Upper Heyford	05·1	−2	SW'S	5	bc/pr	72	65	57	9	3	–	3	4-6	4-6	2500
4	Ross-on-Wye	03·9	−4	SSW	5	pr	68	65	55	8	8	–	–	9	9	3000
5	Hartland Point	01·4	−6	SW	5	c	63	65	53	8	5	–	–	9+	9+	1200
	Bristol	04·9	+2	S	5	c-bc	69	65	57	8	2	6	–	7-8	7-8	1500
	Portland Bill	09·0	+6	S	6	bc	64	85	58	8	5	–	–	4-6	4-6	4000
	Plymouth	05·7	+6	SW	5	c-bc	65	75	58	8	8	–	–	4-6	7-8	1500
	The Lizard	04·1	+4	SW	7	c/pr	64	65	53	7	5	–	–	9+	9+	2500
	Scilly (St. Mary's)	01·2	+2	SW'S	6	c	62	85	57	7	8	–	–	9+	9+	1000
	Guernsey															
6	Pembroke	99·2	−8	SSW	8	c-bc pr	61	75	54	7	8	6	–	7-8	10	2000
7	Holyhead (Valley)	00·6	0	S'W	5	c-bc/pr	64	85	58	8	8	7	3	4-6	7-8	2500
	Chester (Sealand)	02·5	−12	S'E	3	c/tlro	70	65	60	8	3	1	3	4-6	9	3000
8	Manchester	01·3	−22	S	5	PR	73	55	56	7	9	6	–	7-8	9+	2000
10	Spurn Head	04·6	−8	S'W	2	bc	71	75	63	7	2	–	–	4-6	4-6	2500
	Catterick (Sc)	03·2	−14	SW	3	c-bc	78	55	58	7	8	6	–	4-6	7-8	3000
	Tynemouth	02·2	−8	S	3	bc	73	65	58	7	2	3	–	4-6	4-6	2800
11	St. Abbs Head	00·9	−6	SSW	3	bc	71	65	59	8	2	6	–	4-6	4-6	2500
	Leuchars	00·3	−10	SW	3	c-bc	72	65	61	8	8	–	3	4-6	7-8	3000
12	Renfrew (Abbots I.)	01·1	−14	SW	1	c	69	65	57	8	8	7	–	9	9+	2500
	Eskdalemuir	00·8	−10	S'E	3	c	63	65	58	8	8	7	–	7-8	9	1800
	Point of Ayre	00·8	−10	S'E	3	roro	61	97	60	8	8	–	–	2-3	9+	1500
13A	Tiree	00·5	−6	SSE	2	c-bc	65	85	60	7	8	8	–	4-6	7-8	2500
13B	Stornoway	00·4	−8	NNE	4	iro	55	92	52	7	5	2	–	9+	10	800
15	Dalwhinnie	01·0	−10	WSW	3	bc	70	55	54	8	8	–	1	2-3	4-6	2500
	Aberdeen	99·8	−16	SW	3	zo	67	85	63	6	9	9	–	2-3	4-6	450
	Wick	99·0	−8	W	2	ir	64	92	62	6	5	–	–	10	10	800
16	Sumburgh	99·0	−20	SE	3	c/r	59	97	58	5	5	–	–	7-8	10	300
17	Blacksod Point	97·8	−6	NW	3	c	63	85	55	8	8	–	–	10	10	2500
18	Malin Head	98·2	−18	E	3	c-bc	60	85	55	8	4	4	–	2-3	7-8	2500
	Aldergrove	98·4	−18	SE	3	c/r	63	92	60	7	8	2	–	7-8	10	1500
19	Birr Castle	95·7	−4	SSW	2	pr	61	97	60	8	8	2	–	7-8	10	800
20	Valentia Obsy.	97·0	+18	NNW	4	c/pr	64	85	59	8	8	–	–	9+	9+	1500
	Roches Point	95·0	+2	S	2	c-bc/pr	62	92	60	8	3	–	3	4-6	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	08·4	+6	SW'W	5	bc	70	55	54	8	8	3	2	4-6	4-6	1500	1	*
Croydon	09·3	+2	S	4	bc	68	55	51	8	2	4	1	4-6	4-6	1200	0	*
S. Farnborough	08·6	+2	SW	6	b-bc	67	55	52	8	1	6	4	Tr	2-3	2500	1	*
Boscombe Down	07·8	+6	SW'S	6	bc	63	65	50	8	1	7	–	4-6	4-6	3500	0	*
Thorney Island	09·8	+6	SW	5	c-bc	66	65	53	9	8	6	3	4-6	7-8	2500	0	*
Lympne	10·1	+2	SW'W	4	c-bc	63	65	55	9	7	–	3	2-3	7-8	1800	0	§2
Manston	09·4	+2	SW	4	c-bc	72	55	56	8	2	–	4	1	7-8	2200	0	*
Shoeburyness	09·6	+6	SSW	5	bc	71	75	60	7	1	–	2	1	4-6	4000	0	*
Felixstowe	08·2	+2	S'W	5	bc	72	55	52	8	2	–	3	2-3	4-6	2500	0	5
Gorleston	07·3	0	SSW	6	bc/pr	76	45	54	7	2	–	4	2-3	4-6	2500	0	
Mildenhall	06·5	0	SSW	5	bc	71	45	51	8	2	–	–	4-6	4-6	2500	1	*
Cranwell	03·6	+2	SSW	6	bc	71	45	49	9	2	–	–	4-6	4-6	2800	0	*
Birmingham	04·0	0	SE'S	5	c	65	55	48	8	5	7	–	7-8	9	2500	0	*
Upper Heyford	05·8	+10	SSW	6	b-bc	68	45	48	9	1	4	–	2-3	2-3	3200	0	*
Ross-on-Wye	04·1	0	S'W	5	c	64	65	53	8	5	1	–	9+	10	2500	0	*
Hartland Point	01·4	0	WSW	6	pr c-bc	60	97	59	6	2	6	–	7-8	9	1000	1	5
Bristol	05·0	−2	SSW	7	c-bc/pr	64	75	54	8	2	6	–	4-6	7-8	2600	0	*
Portland Bill	08·4	−10	S	5	bc	62	85	59	7	5	–	–	4-6	4-6	4000	1	5
Plymouth	06·2	+2	SW	8	zo	62	85	58	6	5	–	–	9+	9+	1200	1	4
The Lizard	06·0	+4	SW	7	c/pr	61	85	58	7	5	–	–	9+	9+	3000	0	5
Scilly (St. Mary's)	04·2	+18	SW'W	5	c,p	62	85	58	7	8	6	–	7-8	9+	1000	1	5
Guernsey																	
Pembroke	99·4	+8	SW'W	7	cbcq	60	97	59	7	8	6	–	4-6	7-8	2000	1	4
Holyhead (Valley)	96·8	−30	SE'S	6	pr	61	92	58	6	9	–	–	2-3	10	1000	1	4
Chester (Sealand)	01·8	−2	S'W	4	c-bc	65	75	55	8	8	7	–	7-8	7-8	2500	1	*
Manchester	01·7	+2	SSW	5	c	67	75	60	9	4	6	–	7-8	9	2500	0	*
Spurn Head	03·6	−8	SSW	6	bcq	72	45	51	7	1	–	–	2-3	4-6	4000	0	4
Catterick (Sc)	01·1	−14	SSE	3	c/pr	67	75	59	7	8	–	–	9	9	2500	1	*
Tynemouth	01·6	+8	SSW	2	bc	69	75	61	7	2	3	–	4-6	4-6	2500	1	2
St. Abbs Head	99·9	−4	NW	2	c	61	85	55	7	5	6	–	4-6	9+	3000	0	2
Leuchars	99·3	−6	–	0	c/r	64	85	59	7	8	7	–	4-6	9+	2000	1	*
Renfrew (Abbots I.)	99·8	−10	SSE	2	c/pr	64	85	61	6	8	7	–	7-8	10	2000	1	*
Eskdalemuir	99·2	−18	SSW	1	iro	61	97	60	8	9	–	–	9	9	1200	1	*
Point of Ayre	99·1	−10	S'W	4	iro	59	97	58	5	6	–	–	10	10	800	1	2
Tiree	99·3	−8	NNW	2	c	61	92	59	7	5	7	–	7-8	9+	1200	0	1
Stornoway	00·8	+6	NW	4	roro	55	92	53	5	6	2	–	9+	10	300	1	2
Dalwhinnie	99·0	−6	S	1	c	69	97	68	8	5	2	–	7-8	10	2500	1	*
Aberdeen	99·1	−4	S	4	iro	65	85	59	8	3	9	–	Tr	9+	800	1	2
Wick	98·7	0	–	0	c	61	92	58	7	8	7	–	7-8	9+	1000	1	*
Sumburgh	96·7	−6	S	4	F	57	97	57	0	–	–	–	10	10	<150	1	2
Blacksod Point	99·2	+10	N	5	c	61	85	56	7	8	–	–	10	10	2500	0	4
Malin Head	97·1	−6	NE'E	2	iro	59	85	54	8	5	–	–	10	10	2500	1	2
Aldergrove	97·4	−6	SE	3	pro	59	85	58	7	8	7	–	7-8	9+	1200	1	*
Birr Castle	95·9	+2	SW	1	c-bc	66	85	61	8	8	–	–	7-8	7-8	1500	0	*
Valentia Obsy.	01·5	+22	NW'W	4	c	60	85	55	7	5	–	–	9+	9+	1500	1	4
Roches Point	98·3	+26	NW'W	4	bc	65	85	60	3	3	4	–	4-6	4-6	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.–13h. 1st (39)	Weather 13h.–18h. 1st (40)	Weather 18h 1st to 1h 2nd (41)	Weather 1h.–7h. 2nd (42)
London (Kew)	bccpro	procbc	bcyb	bcproc
Croydon	cpr	bcy	bc	bcirobc
S. Farnborough	cmopropRbc	bcybc	bcy, ciro	cirorom obc
Boscombe Down	cproc bcc	bccbcyb	bcc iroc	ccroromo
Thorney Island	bcc	cbcbbccb		bbc
Lympne	cmmocbc	bcbcy	bcvbcb	bbc
Manston	bc	bcy	mcyb	bbc
Shoeburyness	bc	bcprbc	bcbbc	bc
Felixstowe	cbs	bbc	bcb	bbc
Gorleston	cbcq	bcproqy	b2g	b
Mildenhall	cmob, c	cycprobcy	bbc	bcbbc
Cranwell	cbccy	cybcy	bcybbcc	cirobc
Birmingham	bcpr	bcc pro	cpro	cbcc
Upper Heyford	cpro	cprobc	bcyidocmo	cmoc
Ross-on-Wye	cbcc	pobcqc	cqbcc	cbc
Hartland Point	prqc	pr roro	cprq	cpr
Bristol	bcpro	cbccpro	czobc	bcc
Portland Bill	cbc	bc	bcbc	c
Plymouth	cpro	cprocmo	cmocpro	cprororo
The Lizard	cprc	cprc	clbc	bproc
Scilly (St. Mary's)	bccpc	cdopoc	cpo	cpoc
Guernsey				
Pembroke	cprq	cprq	cPRq	cido
Holyhead (Valley)	cproc	cpro	bcc	bcc
Chester (Sealand)	proPrt	cyproy	cbcmo	cmocbc
Manchester	bmobc	pRqy	cybcc	bcciro
Spurn Head	bc	bcq	bcq	bcq
Catterick (Sc)	cbcc	bccpro	cproc	cbc
Tynemouth	cmobc	bccoirtlc	cpcbc	bcp
St. Abbs Head	crobc	tc	cprc	crrmo
Leuchars	Rmoirc	bcctlrc	cirocrororr	crriromo
Renfrew (Abbots I.)	ccmoc	tl Rprocmo	cmororr	rrciro
Eskdalemuir	proc	ctl R	cirororo	ororomo
Point of Ayre	bccroq	bcciro	rorocb	bcc
Tiree	cidcm bcc	bccbc	crorocmo	cmociro
Stornoway	cciro croro	crorom o	crorom ocidbc	cidomo
Dalwhinnie	obc	bcpro		ociRo
Aberdeen	czooRcirbcz	bczociro	cciro	ciroiRciro
Wick	crorpirom	crromdc	cro rom o	odo domo
Sumburgh	cmocro	cfrooFo	Fromoccmo	cmoidbc
Blacksod Point	c	c	r	r
Malin Head	bc	r	r	r
Aldergrove	bccrrororoc	cpro	cprocfgcmo	cmoc
Birr Castle	pr	pr		r
Valentia Obsy.	pr	c	pr	pr
Roches Point	r	pr	bc	r

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

Districts	Forecast
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands 5 S.W. England 6 South Wales	Moderate southwest wind fresh locally veering northwest; mainly cloudy; local showers; cool.
7 North Wales 8 N.W. England 9 N. Midlands 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh northwest wind decreasing; mainly cloudy; occasional rain or 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

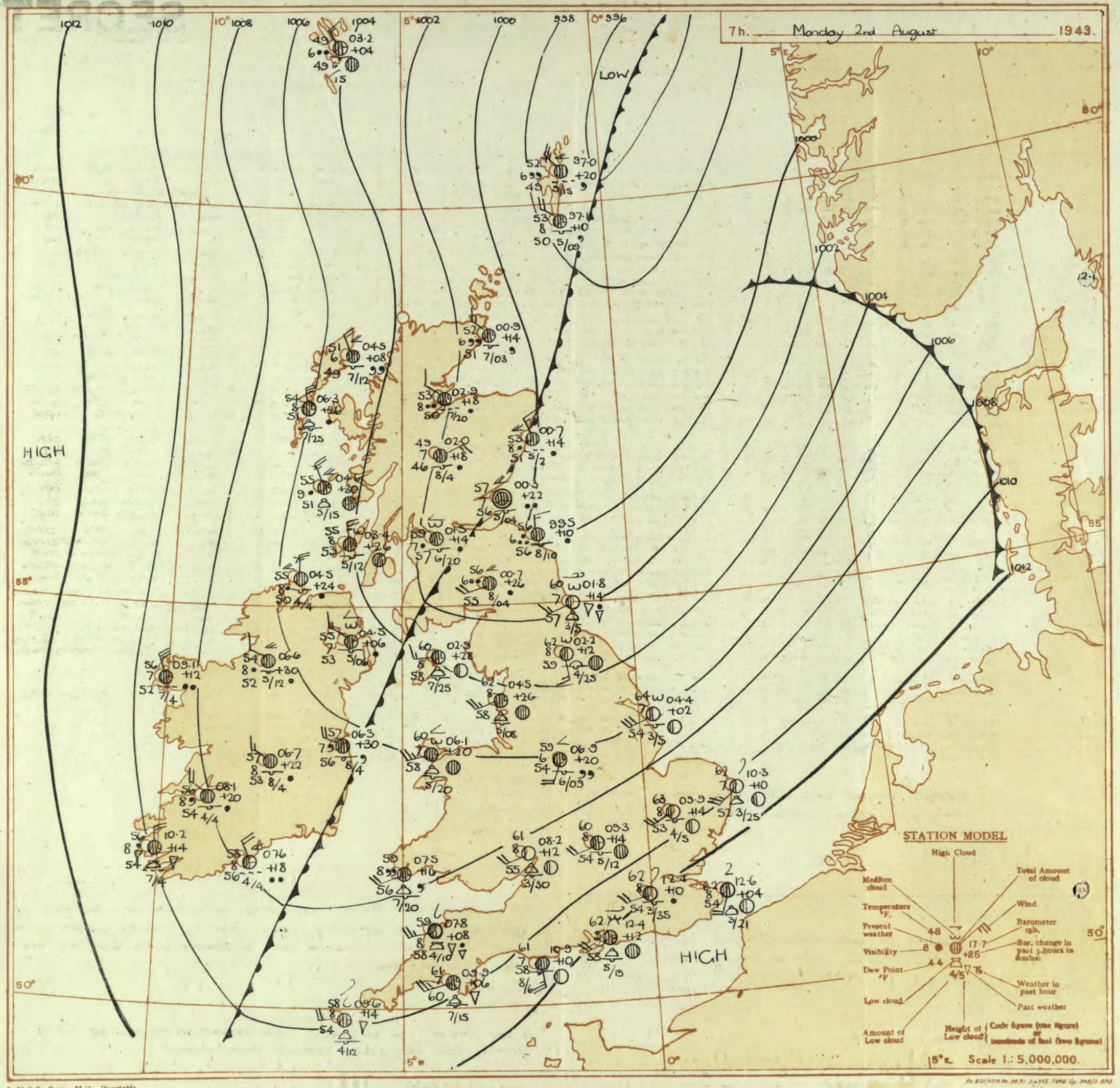
A depression near Shetland is moving northnortheast, and a ridge of high pressure is approaching Ireland from the Atlantic; weather will be mainly cloudy with occasional rain or showers in the North, and local showers in the South.

FURTHER OUTLOOK

A fair interval in the West; local showers in the East at first becoming fair later; cool becoming slowly warmer.

Forecasts issued at 10-30

NELSON K. JOHNSON, K.C.B., D.Sc., Director
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

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

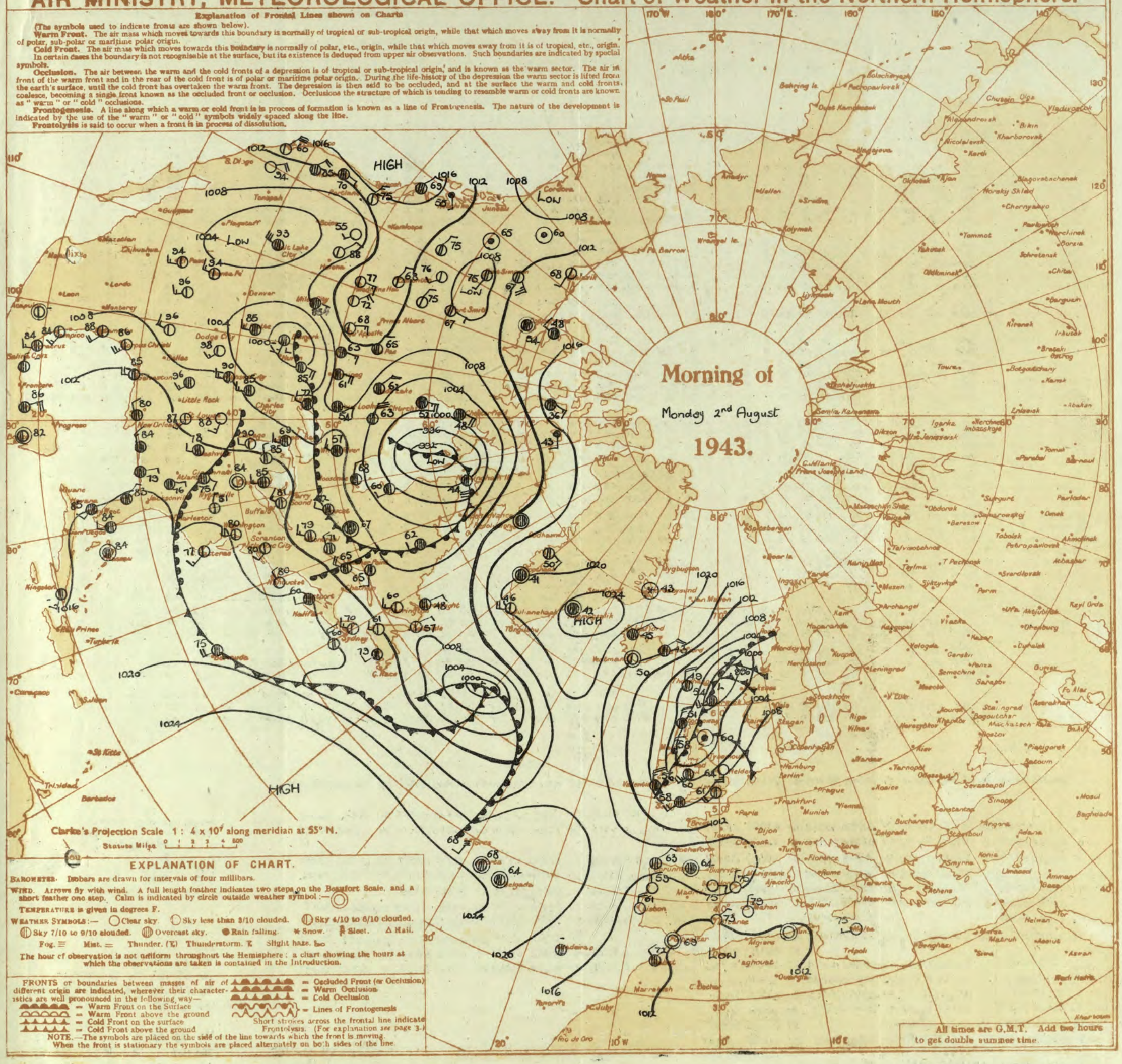
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



BRITISH SECTION

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

Monday 2nd August 1943

No. 29838

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

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	*	*	*	*	*	62	*	*	*	*	*	*	*	*	*
	Croydon ...	290	11·2	+2	SW	4	bc	61	75	58	8	5	–	–	4-6	4-6	3300
	S. Farnborough	226	10·1	+2	SW'S	4	i/o	61	75	54	7	5	–	–	9	9	1400
	Boscombe Down	417	09·2	+2	SW'S	5	o/r	59	85	55	7	5	–	–	10	10	1200
	Thorney Island	10	11·1	+2	SW	5	b	61	85	55	8	1	–	–	1	1	2500
	Lympne ..	283	12·5	+6	SW'S	3	b	58	92	56	7	–	3	–	0	1	–
	Manston ..	154	12·2	+6	S'W	3	b	59	85	53	8	5	–	–	Tr	Tr	3000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	10·6	+2	SW	5	b	64	75	55	8	–	–	–	0	0	–
	Gorleston ...	5	08·9	+2	SSW	4	b	62	65	50	7	–	–	–	0	0	–
	Mildenhall ...	15	08·6	+2	SSW	4	bc	61	75	51	8	5	–	–	4-6	4-6	3800
	Cranwell ...	203	05·6	0	SW	6	bc	62	75	53	8	5	–	–	4-6	4-6	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	06·9	+2	SW	5	zo	60	85	55	6	5	–	–	9	9	1700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	06·2	+14	NSW	6	c	59	92	56	8	2	–	–	9	9	1500
	Bristol	209	08·2	+10	SW	5	c-bc	60	85	56	7	1	–	–	7-8	7-8	2200
	Portland Bill ...	32	09·7	+10	S	6	bc	60	92	58	7	4	–	–	4-6	4-6	4000
	Plymouth ...	86	09·1	+6	NSW	5	bc/pr	60	92	58	7	8	6	1	4-6	4-6	1500
	The Lizard ...	240	09·2	+8	NSW	6	bc	58	92	56	7	8	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	163	07·8	+6	SW	4	c/pr	58	92	55	7	8	–	–	10	10	800
	Guernsey ...	175															
6	Pembroke ...	142	05·5	+18	NSW	7	PR	60	92	59	7	8	–	–	10	10	1500
7	Holyhead (Valley)	32	007	+10	SW	5	c	60	92	58	7	5	–	–	9+	9+	3500
	Chester (Sealand)	16	02·1	+6	S	2	c	61	85	57	6	5	–	–	10	10	2200
8	Manchester ...	230	02·3	+4	S'W	5	c-bc	61	85	55	7	5	3	–	4-6	7-8	2000
10	Spurn Head ...	29	04·8	+2	S'W	5	b-bcq	64	55	50	7	5	–	–	2-3	2-3	4000
	Casterick (Sc)...	192	00·6	-2	SSW	4	c	61	85	57	8	5	–	–	10	10	3000
	Tynemouth ...	108	00·4	-14	S	5	bc	61	85	56	7	2	–	–	4-6	4-6	2500
11	St. Abbs Head	280	98·8	-10	SE	2	c	58	92	56	7	5	–	–	10	10	2500
	Leuchars ...	36	98·3	-6	–	0	rr	60	92	58	5	5	2	–	4-6	10	800
12	Renfrew (Abbotsl.)	19	98·7	-6	–	0	rr	58	97	58	5	5	–	–	7-8	10	600
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	98·2	+14	N'S	4	b-bc	57	97	56	8	8	–	–	2-3	2-3	1800
13A	Tiree	44	00·6	+12	N'E	4	zo	55	92	52	6	5	–	–	10	10	1000
13B	Stornoway ...	12	02·9	+8	N	5	c/d	51	92	49	7	5	2	–	9	10	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	98·3	-6	–	0	rr	60	92	58	6	–	2	–	4-6	10	1200
	Wick ...	114	99·4	+2	NNW	4	i/o	53	92	51	6	5	–	–	10	10	600
16	Sumburgh ..	19	96·2	-6	SW	5	zo	54	91	53	6	5	–	–	9+	9+	400
17	Blacksod Point	18	05·4	+20	N'E	6	c/r	56	92	54	7	6	–	–	9+	9+	1500
18	Malin Head ...	84	99·5	+14	N	3	ir	58	92	56	8	5	–	–	10	10	1500
	Aldergrove ...	268	99·3	+18	–	0	zo	58	97	57	6	5	7	–	4-6	7-8	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	07·1	+18	N'W	5	o/d	56	97	55	6	5	–	–	10	10	800
	Roches Point	22	04·8	+16	NW'W	4	b	58	92	56	8	5	–	–	1	1	2500

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

Stations	Barom. at M.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)	11·2	+10	SW'S	4	c-bc	62	75	54	8	8	3	–	7-8	7-8	4000	1	*
Croydon ...	12·4	+10	SW	4	bc	62	75	54	8	5	–	4	2-3	4-6	3500	0	*
S. Farnborough	11·4	+10	SW'S	3	c-bc	60	85	55	8	7	7	1	4-6	7-8	2000	1	*
Boscombe Down	11·2	+14	SW'S	4	do.do.	57	97	57	6	5	7	–	4-6	9	600	1	*
Thorney Island	12·4	+12	SW	4	c	62	75	55	9	8	6	1	7-8	9	1300	0	*
Lympne ..	13·3	+8	SW'W	4	c-bc	62	75	54	8	2	–	2	7-8	7-8	2200	0	5
Manston ..	12·6	+4	SSW	4	c-bc	62	75	54	8	2	–	6	2-3	7-8	2100	0	*
Shoeburyness ...	12·4	+4	SSW	3	b-bc	64	75	57	7	1	4	1	2-3	2-3	2500	0	*
Felixstowe ...	11·3	+6	SW	5	bc	64	85	59	8	1	7	2	Tr	4-6	4000	0	5
Gorleston ...	10·3	+10	SSW	5	bc	62	65	52	7	2	–	4	2-3	4-6	2500	0	4
Mildenhall ...	09·9	+14	SW'S	5	bc	63	75	53	8	5	–	–	4-6	4-6	2500	0	*
Cranwell ...	07·1	+14	SSW	7	c-bc	64	75	55	8	7	4	–	4-6	7-8	2000	0	*
Birmingham ...	08·1	+12	SSW	4	c	60	85	55	8	6	3	–	9	9+	800	0	*
Upper Heyford	09·3	+14	SW	4	c	60	85	54	8	5	–	–	7-8	9	1200	0	*
Ross-on-Wye	08·2	+12	SW	4	b-bc	61	85	55	8	8	–	–	2-3	2-3	3000	0	*
Hartland Point	07·8	+8	NSW	5	c-bc/pr	59	85	55	8	3	4	–	4-6	7-8	1000	1	5
Bristol	10·0	+10	SSW	4	c	60	85	55	8	5	–	–	9+	9+	1400	0	*
Portland Bill ...	10·9	+10	S	5	c	61	92	58	7	5	–	–	10	10	4000	1	5
Plymouth ...	09·9	+6	NSW	5	c	61	97	59	7	8	–	–	9+	9+	1500	1	3
The Lizard ...	09·8	+12	NSW	4	c/pr	59	97	58	8	5	–	–	9+	9+	1500	1	4
Scilly (St. Mary's)	09·6	+14	W'S	4	c	58	85	54	8	8	4	4	4-6	9	1200	1	4
Guernsey ...																	
Pembroke ...	07·5	+16	NSW	4	do.do.	59	92	56	8	8	–	–	9+	9+	2000	1	4
Holyhead (Valley)	06·1	+20	W'S	5	c	60	92	58	7	8	7	–	7-8	9+	2000	1	4
Chester (Sealand)	04·9	+22	NSW	2	c	63	75	56	8	5	–	–	9	9	2000	1	*
Manchester ...	05·2	+26	SSW	5	c	61	92	58	8	4	6	–	9	9+	1500	1	*
Spurn Head ...	04·4	+2	SW	6	fs	64	75	54	7	5	3	–	2-3	4-6	2500	0	4
Casterick (Sc)...	02·2	+12	S	3	c-bc	62	85	53	8	4	3	–	4-6	7-8	2500	1	*
Tynemouth ...	01·8	+14	SW	3	bc/pr	60	92	57	7	2	3	2	2-3	4-6	2500	1	2
St. Abbs Head	99·5	+10	N	3	rr	56	97	56	6	5	–	–	10	10	1000	1	3
Leuchars ...	00·3	+22	–	0	c/r	57	97	56	7	5	2	–	7-8	10	400	1	*
Renfrew (Abbotsl.)	01·5	+14	NW	1	i/o	53	92	57	7	5	7	–	9	9+	2000	1	*
Eskdalemuir ...	00·7	+26	SW'W	4	i/o	56	97	55	6	–	2	–	10	10	400	1	*
Point of Ayre...	02·9	+28	W'N	3	c	60	97	58	8	8	–	–	9+	9+	2500	1	2
Tiree	04·6	+30	NNW	5	i/o	55	85	51	9	2	2	–	7-8	9+	1500	1	3
Stornoway ...	04·5	+8	NNW	4	c/d	51	92	49	6	5	2	–	9+	10	1200	1	2
Dalwhinnie ...	02·5	+18	NE	3	o	49	85	46	7	5	–	–	10	10	1500	1	*
Aberdeen † ...	00·7	+14	NNW	3	i/o	53	92	51	8	6	2	–	7-8	10	450	1	2
Wick ...	00·9	+14	NW	3	do.do.	52	92	51	6	5	–	–	9+	9+	300	1	*
Sumburgh ..	37·1	+10	NW'W	4	c	53	85	50	8	5	–	–	7-8	9+	900	1	2
Blacksod Point	09·1	+12	NNW	6	c/r	56	85	51	7	6	–	–	9+	9+	1500	1	5
Malin Head ...	04·5	+24	N	5	i/o	55	85	50	8	5	2	–	4-6	10	1500	1	4
Aldergrove ...	04·5	+6	NW	3	c	55	92	53	7	5	7	–	7-8	9	600	1	*
Birr Castle ...	06·7	+22	NW	3	c	57	92	55	8	5	–	–	10	10	1500	0	*
Valentia Obsy.	10·2	+14	N	4	pr	56	92	54	8	9	–	–	9+	9+	1500	1	3
Roches Point	07·6	+18	NNW	4	c/r	58	92	56	8	6	2	–	4-6	9	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 1st ... Hrs. (38)
London (Kew)	72	60	57	Tr	Tr	9·1
Croydon	73	59	57	0·2	Tr	9·3
S. Farnborough	74	58	53	2	0·3	10·1
Boscombe Down	70	56	54	1	3	8·3
Thorney Island	71	60	56	–	–	*
Lympne ..	74	51	51	–	–	10·1
Manston ..	77	56	53	–	–	11·3
Shoeburyness ...	78	60	54	Tr	–	11·9
Felixstowe ...	78	61	58	Tr	–	12·0
Gorleston ...	76	56	54	Tr	–	11·6
Mildenhall ...	79	59	53	Tr	1	11·0
Cranwell ...	79	59	57	Tr	Tr	12·2
Birmingham ...	74	58	55	1	Tr	5·7
Upper Heyford	75	58	55	Tr	–	*
Ross-on-Wye	72	55	56	0·2	Tr	5·8
Hartland Point	63	58	57	2	1	2·7
Bristol	70	58	56	Tr	Tr	9·8
Portland Bill ...	67	59	*	–	–	*
Plymouth ...	65	58	50	0·2	1	5·0
The Lizard ...	64	57	*	0·5	1	5·7
Scilly (St. Mary's)	63	57	*	Tr	0·4	4·7
Guernsey ...						
Pembroke ...	63	58	*	0·6	4	1·6
Holyhead (Valley)	68	59	57	4	0·1	*
Chester (Sealand)	74	60	55	2	–	6·2
Manchester ...	75	59	58	0·4	1	*
Spurn Head ...	78	61	*	–	–	10·2
Casterick (Sc)...	78	60	56	5	0·1	4·9
Tynemouth ...	77	60	57	6	2	*
St. Abbs Head	75	55	*	3	0·5	*
Leuchars ...	(74)	57	56	5	5	3·8
Renfrew (Abbotsl.)	71	57	57	6	10	1·9
Eskdalemuir ...	70	55	55	7	4	3·6
Point of Ayre...	68	57	*	5	5	3·2
Tiree	75	55	*	3	0·5	*
Stornoway ...	57	50	49	2	0·2	*
Dalwhinnie ...	71	48	48	1	2·3	3·7
Aberdeen † ...	72	53	52	11	8	4·5
Wick ...	66	51	50	9	9	*
Sumburgh ..	60	52	52	5	0·2	0·0
Blacksod Point	65	53	*	–	1	*
Malin Head ...	64	54		4	3	5·7
Aldergrove ...	65	54	48	6	0·3	2·6
Birr Castle ...	69	55	54	6	0·2	2·4
Valentia Obsy.	65	55	53	3	0·2	2·1
Roches Point	66	57	*	2	0·5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 1st August ... 18h. G.M.T. / 01h. G.M.T. 2nd August ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFFWN	$C_L C_M$	wwVhN$_h$	DDFFWN	$C_L C_M$	wwVhN$_h$	DDFFWN	$C_L C_M$	wwVhN$_h$	DDFFWN
100	5-	62638	20268	86	02863	20414	57	61648	28468	5-	22738	21468
115												
203												
206	26	11765	00067	92	91655	00087	5-	62758	32368	6-	62857	28267
210	9-	25666	23186	9-	97657	06197	62	62744	31368	57	22624	30367
219	5-	52628	04458	5-	51638	02558	5-	61848	01558	8-	02857	32667
230				52	61863	00068	62	64637	00068	57	54647	26368
245	84	01743	20363	47	28645	20197	57	22655	20266	57	02844	02368
260	8-	02855	00027	87	02845	00065	5-	62638	12268	5-	41438	00048
278	82	82647	12588				6-	62728	27468			
279	88	81655	32125	76	02875	20296	62	62637	53568	89	02844	22415
285										57	02745	20326
288	26	02755	16415	9-	25846	19196	54	01864	16424	96	28646	20486
575	36	25745	08287	37	81634	00087	97	02845	30385	52	61845	28268
301	9-	37628	18498	9-	02847	16587	5-	01853	16513	8-	02835	22527
331	86	02864	18425	86	01864	51624	5-	02765	51415	53	02754	51515
399	24	02853	20314	20	01754	20414				57	02744	20515
392	8-	02855	16425	26	01853	17484	4-	02767	17327	57	21755	16367
310										--	46209	24549
614	8-	02856	18526	86	02853	53524	5-	02755	52525	77	02845	53526

13h. G.M.T. 1st August ... 18h. G.M.T. / 01h. G.M.T. 2nd August ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFFWN	$C_L C_M$	wwVhN$_h$	DDFFWN	$C_L C_M$	wwVhN$_h$	DDFFWN	$C_L C_M$	wwVhN$_h$	DDFFWN
368	57	02854	16566	62	63545	51668	51	05645	53527	53	02754	22426
334												
340	86	27954	48686	5-	02956	50726	5-	61648	16468	57	22845	20367
136	20	02865	18415	20	02964	53614	04	01890	20512	14	01943	18513
336												
350	23	02855	50515	16	01854	51514	5-	02747	53517	53	02845	53416
368	8-	02846	24516	87	02744	55617	50	01764	53624	5-	02956	16126
379	17	01854	51624	10	01844	53714	5-	51746	53556			
390	36	05644	53415	12	00754	51584	50	05663	20413	83	05644	51417
398	86	02955	53585	10	01853	53623	50	05643	20423	53	02835	53915
438				50	01863	23513	50	01762	22512	84	01753	22514
430	53	25863	53484	16	01943	53424	10	01744	53514	4-	02846	21416
409	8-	81744	51888	87	02644	53668	86	02745	51525	6-	02747	21387

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 2nd August
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 1 whole Min. Time of period.
Kew ...	bccpro	procbc	bccproc	
Croydon ...	ccpr	bcy	bcc/robc	
Greenwich ...	c	cvpobcy	bcbcy	
Camden Square	c	cpr	*	
Kensington ...	bcpbc	bc	*	10·1
Hampstead ...	bcp	bcp	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	60	57	Tr	Tr	9·1	*	*
Croydon	73	59	57	0·2	Tr	9·3	*	*
Greenwich ...	76	59	51	0·8	–	10·7	55	55
Westminster ...	74	61	57	1			66	73
Regents Park ...								
Camden Square	77	59	55	2	–	*	*	60
Kensington ...	76	60		2	Tr		55	59
Hampstead ...	73	57	52	0·1	Tr		*	62

SECRET

BRITISH SECTION

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

Tuesday 3rd August 1943

No. 29839

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	13·0	+12	SSW	4	c	67	65	55	8	8	-	-	9+	9+	1500
	Croydon	13·7	+10	S	4	c	67	65	53	8	5	-	-	10	10	2000
	S. Farnborough	12·8	+6	SSW	4	c	67	65	55	8	8	7	-	9	10	1600
	Boscombe Down	11·6	+2	SWS	4	c	67	75	58	8	8	7	1	7-8	9	1400
	Thorney Island	13·7	+6	SSW	4	c	67	75	59	9	8	-	3	4-6	9	1500
	Lympne	14·5	+10	WSW	4	c	65	65	54	8	1	7	7	7-8	10	2000
	Manston	13·8	+10	SWS	5	c	67	65	56	8	2	-	7	4-6	9+	1800
2	Shoeburyness	13·6	+4	SSW	4	c	71	65	56	7	8	1	-	4-6	7-8	2500
	Felixstowe	12·7	+14	SWS	6	c	70	75	63	8	2	7	-	4-6	9+	2500
	Gorleston	10·9	+14	SW	4	c	70	55	53	7	2	-	-	9+	9+	1200
	Mildenhall	11·1	+6	SWS	4	c	69	55	51	8	7	-	-	7-8	9+	2500
	Cranwell	08·9	+6	SSW	6	c	71	55	54	8	7	-	-	7-8	9	3000
3	Birmingham	09·6	+8	SSW	4	c	67	55	51	8	8	-	-	9+	9+	1500
	Upper Heyford	10·6	+8	SW	4	c	68	65	56	9	8	3	-	4-6	9	1800
4	Ross-on-Wye	10·0	+8	SW	4	c-bc/pr	66	75	56	8	8	-	-	7-8	7-8	3000
5	Hartland Point	09·9	+12	WSW	5	bc bgp	61	85	57	8	2	-	6	2-3	4-6	1200
	Bristol	10·7	+6	SSW	4	pr	66	75	59	9	8	6	3	4-6	4-6	4000
	Portland Bill	12·0	+2	S	5	c	62	92	59	7	5	-	-	10	10	4000
	Plymouth	12·2	+14	WSW	4	c-bc	64	85	60	9	2	-	2	4-6	7-8	2000
	The Lizard	11·7	+10	W	3	bc	64	85	59	8	2	3	-	4-6	4-6	2000
	Scilly (St. Mary's)	11·6	+14	SWW	4	cjp	64	75	56	8	8	4	-	7-8	9+	1200
	Guernsey															
6	Pembroke	09·9	+16	SWW	4	c	62	85	58	8	8	7	-	4-6	9	2000
7	Holyhead (Valley)	08·7	+16	SW	3	roro	60	92	58	4	6	2	-	7-8	10	500
	Chester (Sealand)	07·6	+14	NW	3	c	70	55	55	8	8	6	-	9	9	3500
8	Manchester	08·5	+14	SW	2	pr	63	92	60	8	3	6	-	7-8	9	1500
10	Spurn Head	08·2	+10	SW	4	c-bc	75	55	56	8	2	6	-	4-6	7-8	2500
	Catterick (Sc)	06·2	+16	SW	4	bc	73	65	59	8	2	6	-	4-6	4-6	2500
	Tynemouth	07·4	+24	N	4	c-bc	57	92	54	7	2	-	-	7-8	7-8	2400
11	St. Abbs Head	06·3	+24	N	1	iro	54	92	52	7	5	2	-	7-8	10	1500
	Leuchars	06·2	+26	-	0	c	59	85	54	7	5	7	-	7-8	10	2000
12	Renfrew (Abbots I.)	05·5	+20	NNW	1	pr	61	85	56	5	8	2	-	4-6	9+	1000
	Eskdalemuir	05·9	+20	SE'S	3	ir	57	92	54	8	5	-	-	9+	9+	1200
	Point of Ayre	07·8	+22	NW	4	c	61	85	56	8	5	3	-	Tr	9+	1800
13A	Tiree	08·8	+22	N	5	c	58	75	50	9	2	3	-	4-6	9+	1500
13B	Stornoway	07·9	+18	NNW	4	c	57	65	46	8	8	2	-	9	10	1800
15	Dalwhinnie	07·0	+24	NE	2	c	54	75	46	7	5	2	-	9	10	1500
	Aberdeen	06·2	+26	NNW	2	c/pr	57	85	51	8	9	7	-	7-8	10	4000
	Wick	05·9	+26	NW	4	c/d	55	75	47	8	8	-	-	9	9	2000
16	Sumburgh	02·4	+26	WNW	5	ido	54	75	47	8	5	3	-	9+	9+	1500
17	Blacksod Point	12·3	+14	N'W	4	c	54	75	47	8	8	-	-	9+	9+	2500
18	Malin Head	09·0	+20	N	5	c-bc	58	97	57	8	8	-	-	7-8	7-8	1500
	Aldergrove	08·9	+18	NW	4	c/pr	60	75	52	9	8	7	-	7-8	9+	2000
19	Birr Castle	10·5	+20	NW	1	c	59	85	54	8	8	7	-	7-8	9	1500
20	Valentia Obsy.	13·0	+10	NW'N	4	b-bc	61	75	53	8	8	-	-	2-3	2-3	2500
	Roches Point	11·0	+18	N	4	c	63	85	58	8	8	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 2nd August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. (21)	Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 2nd (39)	Weather 13h.–18h. 2nd (40)	Weather 18h. 2nd to 1h. 3rd (41)	Weather 1h.–7h. 3rd (42)
London (Kew)	12·2	-2	SW	3	c	67	65	54	8	8	3	6	4-6	9	2500	1	*	cbcc	cyc	cbc	cmow
Croydon	13·0	-6	S'W	4	c	66	65	53	9	4	4	6	4-6	9	2000	0	*	c	ccyc	bcc	cemo
S. Farnborough	11·8	-10	SW	3	c	66	65	55	8	8	4	3	2-3	9	2000	0	*	cprobcc	c	cbc	bcwc
Boscombe Down	12·1	-16	SSW	4	c	64	75	55	8	4	4	6	2-3	9	2000	0	*	c	c	cbcbbc	bcccmo
Thorney Island	13·4	-8	SW	2	c-bc	65	75	58	9	8	-	6	Tr	7-8	1500	0	*	ctroc	c	cbcc	cfgcw
Lympne	13·8	-2	WSW	4	c	65	65	52	8	1	7	8	4-6	10	3000	0	§	bcc	cy	cycbcor	crrcmoc
Manston	12·6	-4	SW	3	c	67	65	53	8	7	8	7	4-6	10	1800	0	*	bcyc	cy	cjpcbc	crrroroc
Shoeburyness	13·6	-2	SW	4	c	67	65	55	8	5	7	-	2-3	9	4000	0	*	bcc	c	cbcmo	bccmo
Felixstowe	12·1	-2	SW	4	c-bc	71	55	52	8	1	7	6	1	7-8	2500	0	5	bcc	cybcycy	bcb	bbcc
Gorleston	11·0	-2	SW	3	c-bc q	72	55	52	7	5	7	1	4-6	7-8	3100	0	4	cy	cy cv	bclc	czo
Mildenhall	10·8	-4	SW	3	c	70	55	53	8	1	7	2	1	9	2500	0	*	bccy	cy	cybcc	c
Cranwell	09·0	-4	SWS	4	c	71	55	56	9	2	6	8	4-6	9	3000	0	*	cy	cyc	bcbmo	bcmocmo
Birmingham	09·6	-2	SW	3	c-bc	68	65	56	8	8	6	1	4-6	7-8	4000	0	*	cbcc	cbc	bcb	bc
Upper Heyford	10·5	0	SWS	4	c	68	55	56	9	8	3	3	2-3	9	2500	0	*	cirocv	c	cvcbc	bcfcmw
Ross-on-Wye	10·1	-4	SW	4	b-bc	67	65	53	9	8	-	1	2-3	2-3	3500	0	*	bccpo	pocvbcv	bcb	bwcc
Hartland Point	10·8	+4	W	3	bc	63	85	57	8	2	4	-	2-3	4-6	2000	0	4	cpro	bc	bccbc	bcc
Bristol	11·0	0	W	2	c	65	85	58	9	2	6	2	7-8	9	3300	1	*	cprobcv pro	bcvcpre	ccprocbcc	bgwcmow
Portland Bill	11·4	-12	SW	5	c-bc	62	92	59	7	5	4	-	4-6	7-8	4000	1	5	c	c	bcbc	c
Plymouth	12·1	-6	WSW	5	bc	63	85	58	9	2	7	2	2-3	4-6	2500	0	3	cbcv	bcv	bcvccprobc	bccmow
The Lizard	12·2	0	W'N	3	b-bc	63	85	58	8	2	-	-	0	2-3	2500	0	3	cbc	bc	cbccw	cprc
Scilly (St. Mary's)	12·4	+2	NWW	2	c/pr	61	85	57	7	8	-	-	9+	9+	1000	1	3	cbccpro	cpo	bc	bcw
Guernsey																					
Pembroke	11·6	+6	WNW	3	bc	61	85	57	8	8	4	1	2-3	4-6	2500	0	3	idoprc	cbc	bcw	bcw
Holyhead (Valley)	10·6	+10	NNW	2	ido	56	92	53	7	7	7	-	4-6	10	3000	1	1	cro do	crooromcc		cbc
Chester (Sealand)	09·3	+6	NW	3	pr	62	85	58	8	8	-	-	9+	9+	1500	1	*	cpro pr	cpr	croddmo	cmobc
Manchester	09·6	+6	N	1	PR	62	92	60	6	9	-	-	10	10	2000	1	*	cPrpr	pRtLR	pRpromo	Cbcmo
Spurn Head	09·1	+2	NW'N	3	u	68	75	59	7	8	6	-	4-6	9	1700	0	1	bc	c	cb	bc
Catterick (Sc)	08·4	+14	SSW	3	pr	65	75	59	7	5	7	-	7-8	10	1500	0	*	bc	c	c	cbc
Tynemouth	10·1	+8	NNE	1	c-bc	58	92	55	7	8	-	-	7-8	7-8	2400	1	2	bcc	cpc	c	bc
St. Abbs Head	08·2	0	SE	2	roro	55	92	53	7	5	2	-	7-8	10	1500	1	3	crrmocro	croerr	crrmo	crrddcrrr
Leuchars	08·8	+10	E	3	rr	54	97	52	5	5	2	-	9	10	500	1	*	crvdodoc	crocrrmo	cddmo	ddmoc
Renfrew (Abbots I.)	08·4	+20	NNW	2	dodo	56	97	55	5	6	2	-	9	10	100	1	*	croccpromo	crorodod	cmoddmododocmo	ciro cro
Eskdalemuir	07·6	+20	SW'S	2	pr	59	75	51	8	5	7	-	4-6	7-8	1700	1	*	ccp ir	cirpr	cprc	cmoiro
Point of Ayre	09·2	+6	NNW	4	c	60	75	52	8	2	7	-	Tr	9+	2000	0	2	c	ciroc	b	bbc
Tiree	10·8	+10	N	4	c-bc	56	75	49	9	2	3	-	4-6	7-8	2000	0	2	ciroc	c	c	c
Stornoway	11·0	+14	NNW	3	c	54	75	46	8	8	4	-	7-8	9+	2200	0	2	cidomoc	c	c	cbcw
Dalwhinnie	09·0	+8	NNE	2	c	52	85	48	8	5	2	-	9	10	1500	1		o	opr		oirc
Aberdeen	09·6	+20	N	1	pr	56	85	50	8	9	7	-	7·8	10	1500	1	1*	cpro	cpro	cpro	ciro
Wick	08·7	+10	NW	2	c	55	75	48	9	7	-	-	9+	9+	2000	1		ccidoc	c	cbc	c
Sumburgh	06·1	+20	W'N	4	bc	54	75	46	8	8	6	9	4-6	4-6	1500	0	2*	cidoc	cidobbc	bcprocjpbc	cbc
Blacksod Point	13·2	+4	N'W	3	c-bc	57	65	45	8	8	5	-	4-6	7-8	2500	1	3	c	c	c	bc
Malin Head	11·1	+12	N'W	4	c-bc	56	75	49	9	8	-	-	7-8	7-8	1500	1	3	r	c	pr	r
Aldergrove	11·0	+10	NNW	3	bc	60	65	46	9	8	7	-	4-6	4-6	3000	1	*	cproc	cbc	bc	bcbcwcw
Birr Castle	11·4	+6	NW	2	c-bc	61	92	55	8	5	-	-	7-8	7-8	2500	0	*	r	r		c
Valentia Obsy.	13·9	+4	NW'N	4	c	60	65	48	8	1	5	6	Tr	9+	2500	1	4	pr	bc	bc	bc
Roches Point	12·0	+6	N	4	c-bc	63	75	55	9	8	-	-	7-8	7-8	2500	1	3	pr	pr	c	c

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

Districts	Forecast
1 S.E. England	Light variable winds; cloudy with risk of scattered showers at first and local thundery rain in extreme southeast; close
2 E. England, 3 E. Midlands, 4 W. Midlands	Winds light, mainly northeasterly; mainly fair, but slight risk of scattered showers at first; cloud amounts decreasing tonight except near East coast increasing again tomorrow; some local fog patches in second half of night; close
5 S.W. England, 6 South Wales	Winds light variable becoming light southerly tomorrow; fair. with broken cloud at first; cloud increasing during night; Some patches of coastal fog and drizzle tomorrow; close.
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, 17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland	As 2-4
20 S. W. Ireland	As 5

GENERAL INFERENCE

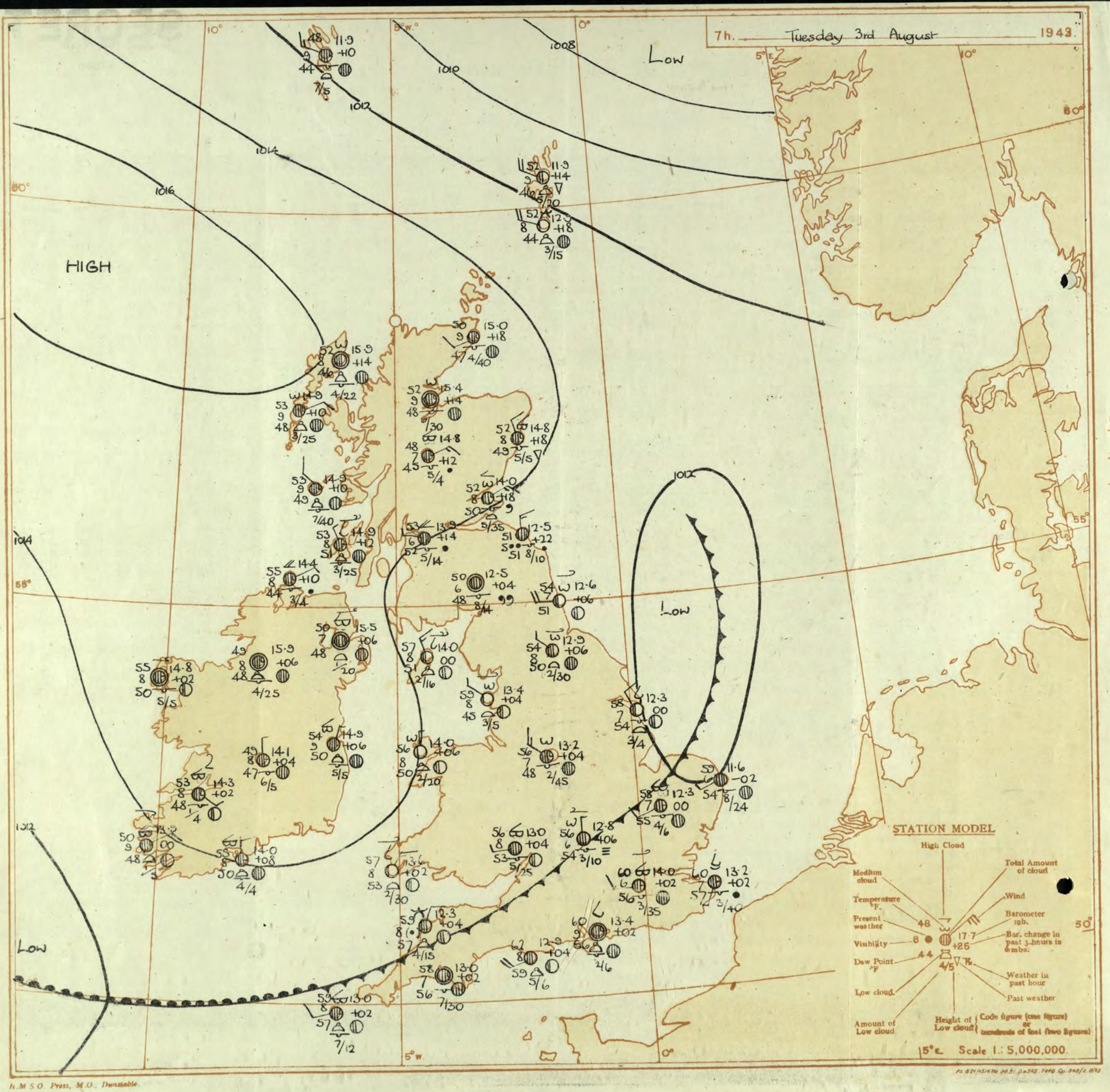
Pressure is rather uniform over the British Isles, being relatively high to the Northwest of Scotland and relatively low off Eastern England; a shallow trough is stationary over Southern England and there are indications of a large depression approaching from the Atlantic.

FURTHER OUTLOOK

Occasional rain spreading from southwest across south of area.

Forecasts issued at 10-30

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

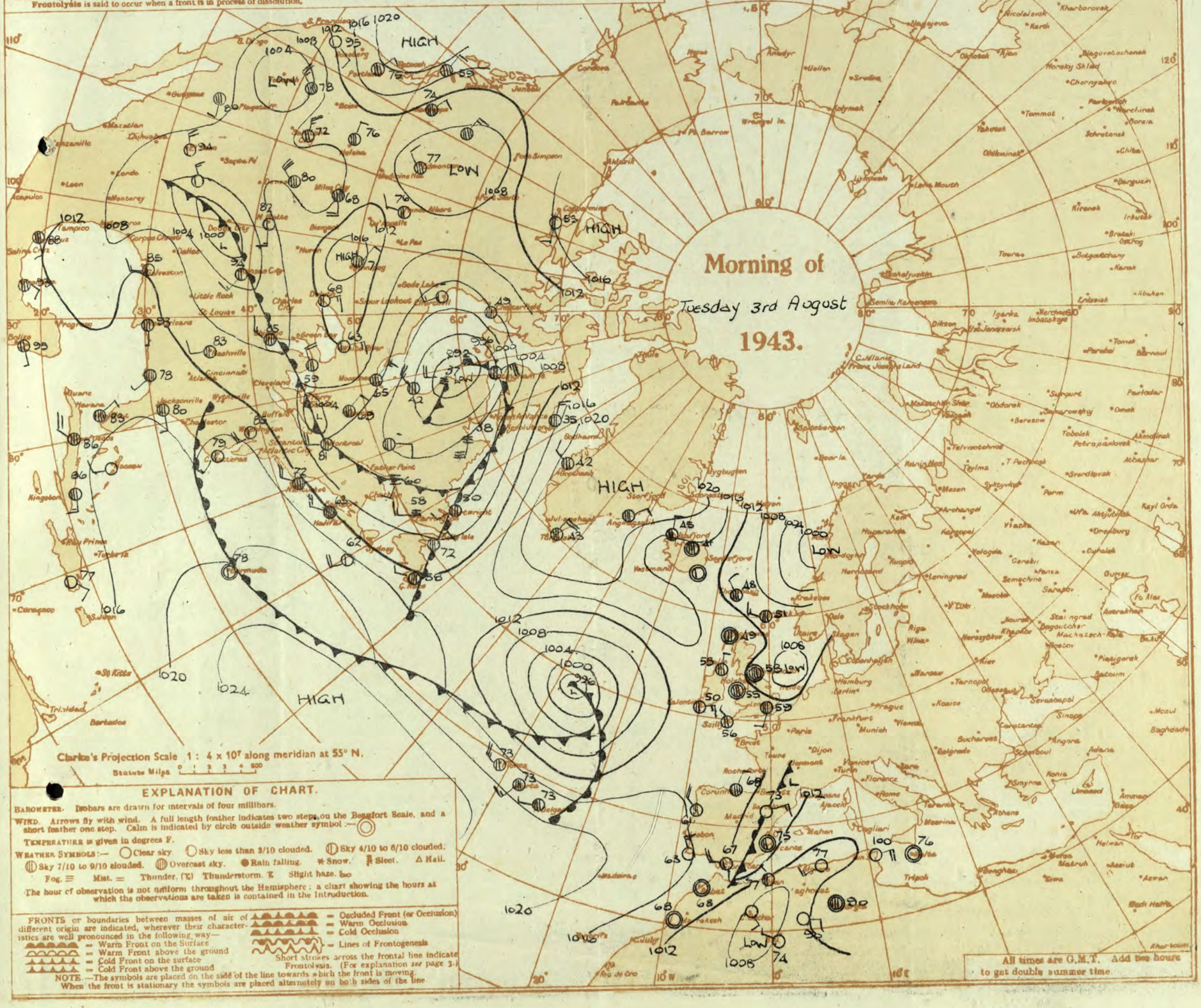
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Tuesday 3rd August 1943

No. 29839

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

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 ...	230	14·1	-2	SSW	2	c	59	85	55	8	-	7	-	0	9+	-
	S. Farnborough	226	13·3	-2	SW	2	bc	57	92	55	8	-	7	8	0	4-6	-
	Boscombe Down	417	13·6	0	S	1	c-bc	55	97	54	7	5	-	-	7-8	7-8	1800
	Thorney Island	10	13·6	-4	SW	1	c-bc	60	92	57	8	-	1	-	0	7-8	-
	Lympne ..	283	13·8	-8	W'S	1	rr	59	85	55	7	5	-	-	10	10	2000
	Manston ...	154	13·5	-2	SW	1	c	58	85	54	7	-	7	-	0	9	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	13·2	-2	SW	4	b-bc	63	75	56	8	-	1	-	0	2-3	-
	Gorleston ...	5	11·8	-4	SW'S	2	c-bc	60	75	52	7	5	-	-	7-8	7-8	1500
	Mildenhall ...	15	12·2	-4	SW'S	2	c	59	85	55	8	-	4	8	0	9+	-
	Cranwell ...	203	11·3	0	W'S	2	2o	58	85	55	6	5	-	-	Tr	Tr	3000
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·1	0	SW	2	b-bc	56	92	53	8	4	-	-	2-3	2-3	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12·1	-2	WNW	2	bc	59	85	55	8	5	-	-	4-6	4-6	2500
	Bristol ...	209	13·0	-2	WSW	1	bc	59	92	57	7	8	-	-	4-6	4-6	2500
	Portland Bill ...	32	13·0	-4	S	4	bc	60	92	58	7	5	-	-	4-6	4-6	4000
	Plymouth ...	86	13·0	-6	-	0	bc	57	97	57	8	5	-	-	4-6	4-6	1500
	The Lizard ...	240	12·7	0	NW	1	c-bc	58	97	57	8	5	-	-	4-6	7-8	1500
	Scilly (St. Mary's)	163	13·2	-2	NW	1	bc	56	92	54	8	8	6	3	4-6	4-6	1200
	Guernsey ...	175															
6	Pembroke ...	142	13·0	+6	NNE	2	b-bc	54	97	53	8	1	-	-	2-3	2-3	3000
7	Holyhead (Valley)	32	13·3	+6	-	0	c-bc	55	85	52	8	5	7	-	7-8	7-8	3000
	Chester (Sealand)	16	12·6	+10	NNW	1	9/d	57	85	53	6	5	-	-	10	10	2300
8	Manchester ...	230	12·3	+6	W	1	2o	56	92	54	5	4	-	-	9+	9+	2000
10	Spurn Head ...	29	11·2	+4	NW'N	3	b-bc	62	92	60	7	1	-	-	2-3	2-3	1500
	Catterick (Sc) ...	492	11·8	+12	-	0	c	57	85	55	8	5	3	-	7-8	9	2500
	Tynemouth ...	108	11·4	+4	-	0	c	58	85	53	7	5	-	-	9+	9+	1500
11	St. Abbs Head	280	09·5	+4	N	3	6/6	53	97	53	7	5	2	-	7-8	10	1500
	Leuchars ...	36	11·7	+14	-	0	dd	52	92	51	5	5	2	-	7-8	10	600
12	Renfrew (Abbots L.)	19	11·7	+16	NW	2	9/d	53	97	51	6	5	-	-	7-8	10	1000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	13·8	+8	NW	3	b	55	85	49	8	-	4	-	0	1	-
13A	Tiree	44	13·6	+10	NNE	3	c	53	85	48	9	8	-	-	10	10	4000
13B	Stornoway ...	12	14·2	-14	-	0	c	48	92	47	7	5	-	-	9	9	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	12·5	+12	N	1	6/6	51	92	50	7	5	2	-	4-6	10	1500
	Wick ...	114	12·6	+16	W'N	2	bc	45	97	44	8	5	7	-	1	4-6	2000
16	Sumburgh ..	19	10·4	+16	W'N	4	bc	52	85	46	8	4	6	3	2-3	4-6	2000
17	Blacksod Point	18	14·7	+2	-	0	c-bc	55	85	50	8	5	-	-	7-8	7-8	2500
18	Malin Head ...	84	13·3	+6	N'W	2	c	55	75	47	8	5	-	-	9+	9+	1500
	Aldergrove ...	268	14·0	+10	-	0	bc	48	92	46	8	5	-	-	4-6	4-6	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	14·4	-2	E	3	bc	50	85	45	8	5	-	-	2-3	4-6	4000
	Roches Point	22	13·9	+4	N	3	b-bc	56	85	51	8	5	-	-	2-3	2-3	1500

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

Stations	Barom. at M.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)	13·1	+4	W	1	2o	60	85	56	6	5	-	-	10	10	1500	1	*
Croydon ...	14·0	+2	W	2	c	60	85	56	6	5	7	1	2-3	9	3500	0	*
S. Farnborough	13·1	+4	WNW	2	c	57	97	56	7	5	7	-	9+	10	600	0	*
Boscombe Down	13·4	+4	-	0	2o	57	97	57	6	5	-	-	9+	9+	1500	0	*
Thorney Island	13·4	+2	-	0	c	60	85	56	3	8	5	-	1	9+	4000	0	*
Lympne ..	13·4	+6	S	1	c	59	97	58	7	-	7	-	0	9+	-	1	*
Manston ...	13·2	+2	SSW	1	c	60	92	57	7	5	9	-	2-3	9+	4000	1	*
Shoeburyness ...	13·7	+4	W	2	2o	61	85	57	6	7	-	-	9+	9+	2500	0	*
Felixstowe ...	12·4	-6	W	1	c	60	85	56	7	-	7	-	0	10	-	0	3
Gorleston ...	11·6	-2	SW	1	2o	59	85	54	6	5	-	-	10	10	2400	0	1
Mildenhall ...	12·3	0	SW'W	2	c	58	92	55	7	5	7	-	4-6	9	4000	0	*
Cranwell ...	11·8	-2	NW	3	2o	58	85	53	6	-	7	-	0	7-8	-	0	*
Birmingham ...	13·6	+6	ESE	3	c	56	75	48	7	5	-	-	10	10	2500	0	*
Upper Heyford	12·8	+6	N	1	2o	56	97	54	6	5	3	5	2-3	7-8	1000	0	*
Ross-on-Wye	13·0	+4	W	1	c	56	92	53	8	5	7	-	7-8	10	2500	0	*
Hartland Point	12·3	+4	NNE	2	c-bc/p	59	92	57	8	2	6	-	4-6	7-8	1500	0	2
Bristol ...	13·5	+6	N	2	2o	58	97	57	6	8	-	-	4-6	9+	2500	0	*
Portland Bill ...	12·9	+4	SW	4	c-bc	62	85	59	8	2	-	-	7-8	7-8	4000	1	4
Plymouth ...	13·0	+2	-	0	c	58	92	56	7	5	-	-	9+	9+	3000	0	1
The Lizard ...	13·0	+4	-	0	c-bc	58	97	58	8	8	6	-	7-8	7-8	2000	1	3
Scilly (St. Mary's)	13·0	+2	W'S	2	c	59	92	57	8	8	7	-	9+	9+	1200	1	2
Guernsey ...																	
Pembroke ...	13·6	+2	NNE	3	b-bc	57	85	53	8	1	4	1	1	2-3	3000	0	2
Holyhead (Valley)	14·0	+6	N	1	b-bc	56	85	50	8	8	3	-	1	2-3	2000	1	1
Chester (Sealand)	13·3	+6	N'W	2	c	58	75	49	8	2	3	-	7-8	9	3500	1	*
Manchester ...	13·2	+6	NNW	3	2o	56	85	51	6	4	-	1	2-3	2-3	3000	1	*
Spurn Head ...	12·3	0	NNW	2	bc	58	85	54	7	7	4	-	2-3	4-6	1500	0	1
Catterick (Sc) ...	12·9	+6	NW	1	c-bc	54	85	50	8	1	3	1	1	7-8	3000	1	*
Tynemouth ...	12·6	+6	W	4	bc	54	85	51	7	-	3	1	0	4-6	-	1	2
St. Abbs Head	12·5	+22	N	3	6/6	51	97	51	5	5	-	-	10	10	1000	1	4
Leuchars ...	14·0	+18	NE	3	c	52	92	50	8	7	7	-	7-8	9+	3500	1	*
Renfrew (Abbots L.)	13·9	+14	W'N	1	2o	53	97	52	6	5	2	-	7-8	10	1400	1	*
Eskdalemuir ...	12·5	+4	-	0	9/d	50	92	48	6	5	-	-	10	10	1400	1	*
Point of Ayre ...	14·0	0	NW	3	bc	57	85	51	8	2	4	2	1	4-6	1600	0	2
Tiree	14·9	+10	NW	2	c	53	85	49	9	8	-	-	9+	9+	4000	0	1
Stornoway ...	15·9	+14	-	0	c-bc	52	92	46	8	8	3	-	4-6	7-8	2200	0	1
Dalwhinnie ...	15·3	+12	NE	3	c	48	92	45	7	5	7	-	7-8	9+	1500	1	*
Aberdeen † ...	14·8	+18	NNW	2	c	52	92	49	8	5	7	-	7-8	9+	2500	1	1
Wick ...	15·0	+18	SW	2	c	50	92	47	9	5	7	-	4-6	9+	4000	1	*
Sumburgh ..	12·9	+18	W'N	4	b-bc	52	75	44	8	2	6	-	2-3	2-3	1500	0	2
Blacksod Point	14·8	+2	-	0	c	55	85	50	8	5	-	5	7-8	9	2500	1	1
Malin Head ...	14·4	+10	NE	1	c	55	65	44	8	5	2	-	2-3	7-8	1500	1	2
Aldergrove ...	15·5	+6	-	0	c	50	92	48	7	1	7	8	Tr	10	2000	1	*
Birr Castle ...	14·1	+4	N	1	c	49	92	47	8	5	-	-	8	9	2500	0	*
Valentia Obsy.	13·9	0	NE'E	2	c	50	92	48	9	1	7	3	Tr	9+	2500	1	2
Roches Point	14·0	+8	N	2	c	55	85	50	8	8	7	-	4-6	9	1500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 2nd. Hrs. (38)
London (Kew)	69	57	51	-	-	5·2
Croydon ...	69	57	54	Tr	-	6·1
S. Farnborough	68	56	49	Tr	Tr	5·0
Boscombe Down	67	52	49	0·1	-	4·3
Thorney Island	68	56	54	-	-	*
Lympne ..	67	56	51	-	2	8·5
Manston ...	70	58	54	-	3	7·7
Shoeburyness ...	73	59	57	-	-	9·0
Felixstowe ...	72	59	58	-	-	10·6
Gorleston ...	72	58	55	-	-	6·[illegible]
Mildenhall ...	72	56	53	-	-	7·4
Cranwell ...	74	54	49	-	-	9·7
Birmingham ...	72	55	44	-	-	7·0
Upper Heyford	71	51	46	-	-	*
Ross-on-Wye	69	51	44	Tr	-	5·7
Hartland Point	63	57	55	0·1	-	8·1
Bristol ...	70	53	45	2	0·1	6·3
Portland Bill ...	63	60	*	-	-	*
Plymouth ...	65	54	42	0·5	7	7·8
The Lizard ...	66	57	*	2	2	10·2
Scilly (St. Mary's)	67	55	*	1	Tr	8·8
Guernsey ...						
Pembroke ...	64	51	*	Tr	-	4·3
Holyhead (Valley)	62	46	41	4	0·1	*
Chester (Sealand)	71	52	44	3	1	3·3
Manchester ...	69	54	49	16	1	*
Spurn Head ...	76	57	*	-	0·2	9·9
Catterick (Sc) ...	75	53	51	-	1	8·6
Tynemouth ...	59	52	49	1	0·4	*
St. Abbs Head	57	51	*	2	7	*
Leuchars ...	59	51	51	4	10	0·0
Renfrew (Abbots L.)	63	52	50	1	11	0·1
Eskdalemuir ...	65	44	34	3	Tr	1·1
Point of Ayre ...	63	54	*	Tr	-	2·3
Tiree	59	51	49	Tr	-	1·1
Stornoway ...	58	49	41	Tr	Tr	1·1
Dalwhinnie ...	54	45	44	2	5	0·0
Aberdeen † ...	58	50	48	0·1	1	0·0
Wick ...	57	44	39	0·3	Tr	*
Sumburgh ..	56	51	46	Tr	0·1	4·2
Blacksod Point	60	48	*	0·5	-	*
Malin Head ...	58	53		1	0·1	1·1
Aldergrove ...	62	41	38	0·1	Tr	2·5
Birr Castle ...	63	43	38	0·3	-	0·7
Valentia Obsy.	63	46	42	0·6	Tr	8·2
Roches Point	64	54	-	0·4	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

18h. G.M.T. 2nd August ... 18h. G.M.T.

III	$C_L C_M$	wwVhN_h	DDFWN	$C_L C_M$	wwVhN_h	DDFWN
109	84	25855	28686	87	02855	30325
115				52	02844	32427
203						
206	51	02955	24258	57	02956	28227
210	71	02855	30428	52	02857	20228
219	8-	02954	32427	8-	02854	30527
220	57	51956	28358	87	02965	30157
245	57	51744	29258	62	62746	03168
260	5-	62538	08268	5-	05644	04128
276	87	02844	60587	83	02844	26527
279	83	01854	22514	83	25855	57387
285	23	81744	24585			
288	86	02856	20427	57	05555	02226
575	52	22855	32267	86	02855	32226
301	86	02845	23326	52	25646	23388
321	26	01754	53514	84	02755	30325
299	30	02644	22415	8-	02745	22115
292	26	02864	22524	57	22655	20266
310	--	01635	24415			
614	8-	25856	53486	26	02854	22326

01h. G.M.T. 3rd August ... 07h. G.M.T.

III	$C_L C_M$	wwVhN_h	DDFWN	$C_L C_M$	wwVhN_h	DDFWN
109	5-	01864	26114	53	02966	00027
115	5-	02967	28227	53	02944	30227
203						
206	5-	02868	02228	23	02953	06227
210	8-	02855	30225	54	02977	00027
219	02	22548	01168	57	02954	01267
220	52	08444	20326	5-	62428	00058
245	84	01843	26413	57	02864	26327
260	50	01862	22312	56	02865	32136
276				23	01743	30414
279	50	01853	21123	03	02890	23226
285	04	01890	32213	8-	02854	00027
288	8-	02855	30225	13	01853	28113
575	5-	05673	26163	5-	03667	31127

13h. G.M.T. 2nd August ... 18h. G.M.T.

III	$C_L C_M$	wwVhN_h	DDFWN	$C_L C_M$	wwVhN_h	DDFWN
388	57	21844	20457	87	25844	27388
334						
340	86	82944	22286	84	02954	24325
136	76	02953	20526	07	02990	20415
386						
360	57	02855	18426	16	02853	18486
368	54	02956	24257	53	02854	25415
379	87	25744	20386			
390	7-	02835	16327	17	02751	16327
382	86	02955	50357	23	02864	21326
438	87	02755	22516	87	02754	24216
430	2-	02855	51426	50	02844	53527
409	54	02953	22415	8-	81834	23326

01h. G.M.T. 3rd August ... 07h. G.M.T.

III	$C_L C_M$	wwVhN_h	DDFWN	$C_L C_M$	wwVhN_h	DDFWN
388	67	61754	02328	54	01862	04263
334				--	00653	26114
340	5-	21634	28358	57	02863	32125
136	50	01863	22314	53	05626	28127
386				50	01765	28315
360	40	02753	18215	54	05641	24115
368	5-	01754	24114	52	05654	04128
379	50	01754	22214	5-	05537	32227
390	07	05690	16125	5-	05667	24128
382	50	01744	00014	57	41636	00045
438	80	03755	22215	87	25755	22188
430	5-	01743	00043	53	02861	24127
409	80	02966	29126			

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 3rd August
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 ...	cbcc	cyc	cbcmw
Croydon ...	c	ccyc	cbcm
Greenwich ...	cy	cy	cbcm
Camden Square	bc	c	*
Kensington ...	bc	bc	*
Hampstead ...	bc	bc	bc

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

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 13h % Yesterday	Humidity 9h % To-day
Kew ...	69	57	51	-	-	5·2	*	*
Croydon	69	57	54	Tr	-	6·1	*	*
Greenwich ...	71	57	50	-	-	5·4	53	75
Westminster	71	59	56	-			71	90
Regents Park ...	72	57	56	-	-		53	81
Camden Square	71	58	55	-	-	*	*	79
Kensington ...	72	58		-	-		60	83
Hampstead ...	70	55	53	-	-		*	85

SECRET

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

BRITISH SECTION

Wednesday 4th August 1943

No. 29840

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	12.8	-6	SSW	2	c	70	55	53	8	8	-	6	4-6	9	2500
	Croydon	13.6	-6	SW	2	c	71	45	49	8	2	7	8	4-6	9+	2500
	S. Farnborough	12.5	-6	WSW	2	c	73	45	52	8	1	-	6	4-6	9	2500
	Boscombe Down	12.6	-6	S'W	1	bc	71	45	51	8	2	-	8	4-6	4-6	2500
	Thorney Island	13.2	-2	S'W	3	c	67	75	59	9	2	-	6	4-6	9	4000
	Lympne	13.1	-6	W	1	c	68	65	57	8	9	7	-	Tr	9+	2500
	Manston	12.5	-6	WSW	2	c	68	65	56	8	1	9	-	1	9+	2500
2	Shoeburyness	13.2	-4	SSW	2	z.	72	65	59	6	8	3	-	4-6	9	4000
	Felixstowe	12.5	+6	S	3	c	71	75	64	7	5	3	-	4-6	9+	4000
	Gorleston	11.9	-4	NNE	2	z.	66	85	59	6	2	-	-	9+	9+	2500
	Mildenhall	12.3	-8	NWN	2	c	69	65	56	8	8	7	-	2-3	9+	4000
	Cranwell	12.2	-8	NNW	1	c	70	55	52	8	8	3	2	4-6	9	3500
3	Birmingham	12.9	-4	NW	3	c	65	55	54	8	5	-	-	10	10	5700
	Upper Heyford	12.1	-8	NNW	1	c	69	65	55	7	2	-	3	4-6	9	2500
4	Ross-on-Wye	13.0	-8	E	2	c-bc	66	65	54	8	1	3	1	2-3	7-8	3500
5	Hartland Point	13.0	+4	NNE	2	c-bc	61	85	57	8	2	4	-	2-3	7-8	2000
	Bristol	12.9	-2	NNW	3	c	67	65	56	7	2	3	-	7-8	9	4000
	Portland Bill	12.9	+10	SW	3	bc	63	92	60	8	2	-	-	4-6	4-6	4000
	Plymouth	13.2	0	WSW	3	c	65	85	61	8	8	7	2	4-6	9	6000
	The Lizard	13.1	+6	W	2	bc	66	75	59	8	2	9	-	4-6	4-6	3500
	Scilly (St. Mary's)	13.7	+4	W	2	c-bc	66	65	53	8	8	7	-	4-6	7-8	2000
	Guernsey															
6	Pembroke	13.3	0	NEE	2	c-bc	65	75	56	8	2	7	-	4-6	7-8	3000
7	Holyhead (Valley)	14.3	+4	N'E	3	c-bc	64	45	44	9	1	3	6	2-3	7-8	3000
	Chester (Sealand)	13.9	+2	NW	3	b-bc	64	45	43	9	1	4	4	1	2-3	4000
8	Manchester	13.4	+6	NW	3	bc	66	55	47	8	2	6	-	4-6	4-6	3000
10	Spurn Head	13.2	+2	E	3	c-bc	68	45	47	7	7	3	-	4-6	7-8	2200
	Catterick (Sc)	12.4	-6	NE	2	c-bc	68	55	50	8	1	-	8	4-6	7-8	3500
	Tynemouth	13.3	+2	N	3	bc	59	85	55	7	2	3	1	4-6	4-6	2200
11	St. Abbs Head	14.2	+4	N	4	r.r.	53	92	54	6	5	-	-	10	10	1000
	Leuchars	15.3	+2	NE	3	c	58	75	48	8	7	7	-	4-6	10	4000
12	Renfrew (Abbots I.)	14.2	-2	ENE	2	c	59	75	49	7	5	2	-	7-8	10	2000
	Eskdalemuir	14.5	+6	NE	3	r.r.	54	92	53	6	5	-	-	10	10	500
	Point of Ayre	14.0	+2	N	2	bc	63	75	54	8	2	9	4	1	4-6	2000
13A	Tiree	15.6	0	N	2	bc	58	65	48	9	8	3	9	4-6	4-6	5700
13B	Stornoway	16.7	+6	NE	2	c	55	65	43	9	7	3	-	7-8	9+	2500
15	Dalwhinnie	16.5	+2	ENE	3	pr	55	65	44	8	5	1	-	7-8	10	2500
	Aberdeen	16.4	+8	ENE	3	c	58	65	46	8	2	3	-	7-8	9+	2500
	Wick	16.8	+10	N	2	c	57	75	47	9	5	7	-	7-8	9+	4500
16	Sumburgh	15.7	+12	W	4	b-bc	55	65	40	9	2	6	2	2-3	2-3	2000
17	Blacksod Point	14.6	-6	ESE	1	c	61	65	49	8	8	-	-	10	10	2500
18	Malin Head	15.1	-6	E'N	1	c-bc	57	65	49	8	5	3	-	4-6	7-8	2500
	Aldergrove	15.3	+2	-	0	c	59	65	47	9	8	7	-	7-8	9+	2500
19	Birr Castle	13.5	-6	ESE	1	c	63	65	51	8	5	1	-	7-8	10	2500
20	Valentia Obsy.	13.7	+2	WNW	3	c	60	65	48	9	8	3	3	7-8	9	2500
	Roches Point	14.1	0	E	3	c	60	75	52	8	5	7	-	4-6	9+	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 3rd (39)	Weather 13h.–18h. 3rd (40)	Weather 18h. 3rd to 1h. 4th (41)	Weather 1h.–7h. 4th (42)
London (Kew)	11.5	-6	SW	2	b-bc	74	45	53	8	2	4	1	1	2-3	2500	1	•	cm.bccy	cbcy	bcybw	b,cbm.w
Croydon	12.5	-6	S	2	bc	71	58	55	8	4	7	8	2-3	4-6	2500	0	•	cm.cy	cybcy	bcbm.	cm.
S. Farnborough	11.8	-2	SW	3	c-bc	69	65	55	8	7	6	8	4-6	7-8	2500	0	•	ccy	cyc	cbcyrb	bbcwcbm.
Boscombe Down	12.1	0	SW	3	c	67	65	55	9	8	-	8	4-6	9	2500	0	•	cm.cbcy	bcycyc	cbcbw	bwbfbcm.
Thorney Island	13.1	-4	SW	3	bc	68	65	55	9	1	3	6	1	4-6	4000	0	•	cbcc	cbc	bw	bwfgbcif
Lympne	12.1	-6	SW'W	2	c	65	75	57	8	-	7	8	0	9+	-	0	§1	c	c	cpr.	bcd.cmp.
Manston	11.7	-4	SE	1	c	68	75	59	7	-	7	7	0	10	-	0	•	cir.c	cyc	c	cm.
Shoeburyness	12.4	-4	-	0	z.	70	65	58	6	5	1	-	4-6	7-8	5700	0	•	cm.cz.	cz.	cm.	cm.
Felixstowe	11.6	-6	SSE	1	c	69	75	60	7	5	7	-	2-3	10	2500	0	2	ccr.c	c	cbc	bbccm.
Gorleston	12.2	-4	NE'E	2	c	62	92	59	7	8	-	-	9+	9+	1200	0	2	cz.	cz.c	cbcb	bcz.
Mildenhall	11.9	0	ENE	3	c-bc	69	65	58	8	5	7	-	2-3	7-8	4000	0	•	cm.cz.c	c	bcbcm.	cm.cfcm.
Cranwell	12.2	+4	WSW	3	c	67	75	57	7	4	6	-	7-8	9+	4000	0	•	ccy	cyc	cybcb	bbcm.cm.
Birmingham	12.3	0	N	3	bc	66	55	51	8	5	7	-	2-3	4-6	4000	0	•	c	cbc	bc	bccz
Upper Heyford	11.5	-2	N	2	z.	69	55	53	6	8	-	-	9	9	5000	0	•	cm.c	ccybcy	cyz.bm. c	bm.f.
Ross-on-Wye	12.3	0	NNW	2	c	67	55	52	8	5	-	-	9+	9+	3500	0	•	r.cc			cbcc
Hartland Point	13.0	+6	NNW	3	bc	62	75	53	8	2	6	-	2-3	4-6	2500	0	2	c	cbc	bcbbc	bcc
Bristol	12.3	-2	NW	2	c	67	75	57	8	5	-	-	9+	9+	5700	0	•	cm.,pr.c	c	ccm.bcm.	bm.w
Portland Bill	13.0	+2	SW	3	c-bc	62	85	59	8	2	4	-	4-6	7-8	4000	1	3	bc	bcc	bcc	c
Plymouth	13.1	0	WSW	3	c-bc	65	85	60	9	2	7	1	1	7-8	3000	0	1	cbc	cv	bwm.	cwm.jf
The Lizard	13.3	0	W	3	bc	65	85	59	8	2	4	-	4-6	4-6	2400	0	3	cbc	bc	bcw	bcc
Scilly (St. Mary's)	14.3	+6	W	2	b-bc	64	65	52	8	8	4	3	1	2-3	2000	0	2	c	cbc	bc	cbc
Guernsey																					
Pembroke	12.8	0	N'E	3	b-bc	65	85	61	8	2	7	-	2-3	2-3	3000	0	2	c	bc	bcw	c
Holyhead (Valley)	14.1	-2	N	1	bc	60	55	41	9	2	6	9	1	4-6	5000	0	1	bc	bcvy	bcw	bbcc
Chester (Sealand)	13.6	+2	NWW	2	c	61	55	45	8	5	1	2	7-8	9+	4500	1	•	c,by	bbccy	cybcb	bc, cm.
Manchester	13.3	+2	NNW	3	c	62	85	57	8	4	3	6	1	9+	3000	0	•	bcm.bcy	bccy.	cbcm.w	cm.w
Spurn Head	12.9	+2	E	3	b-bc	62	75	55	7	7	3	-	2-3	2-3	2500	0	1	bc	bc	bm.	c
Catterick (Sc)	13.0	+6	NE	2	c	61	85	56	7	5	2	-	7-8	10	2000	0	•	bccy	cyc	cm.bm.	cm.c
Tynemouth	14.4	+4	N	3	bc	59	92	57	7	2	3	2	2-3	4-6	2200	0	3	bc	bc	bcc	cir
St. Abbs Head	14.9	+2	N	4	pr	53	97	52	7	5	2	-	7-8	10	1000	1	4	cmrrcr.cm	cmrc	cmrrc	ccd.
Leuchars	16.1	0	NE	3	c	56	75	49	8	5	7	-	4-6	9	2000	0	•	c	c	cid.ir.c	cbcd.c
Renfrew (Abbots I.)	14.9	-2	E	3	c	58	65	48	7	5	8	-	7-8	9+	3000	0	•	cm.id.c	c	ccm.id.cm.	cm.d.d.
Eskdalemuir	14.7	+6	NNE	3	ir.	52	85	48	7	5	3	-	9	9	1100	1	•	cid.r.	cid.	cid.r.	cm.r.
Point of Ayre	13.8	0	-	0	bc	62	75	55	8	2	6	2	1	4-6	2000	0	2	bcb	bbc	bpr.c	c
Tiree	15.4	-4	NNE	2	c-bc	57	75	49	9	8	3	6	2-3	7-8	3000	0	1	cbc	bcc	c bcc	c
Stornoway	17.4	+6	NE	4	bc	55	65	43	9	1	3	9	Tr	4-6	2500	0	2	bcwbcc	cbc		bcc
Dalwhinnie	15.9	+4	NE	2	ir.	52	92	51	7	5	2	-	7-8	9	1500	1	•	co	oir.	cpr.	oir
Aberdeen	16.9	0	NE'E	3	c-bc	56	65	42	8	5	3	8	4-6	7-8	4000	0	2	cbcc	cy	bcb	c
Wick	17.3	+2	NE	2	bc	55	75	47	9	5	7	-	2-3	4-6	4000	0	•	c	cbc	b	c
Sumburgh	17.2	+10	WNW	3	pr	53	75	46	8	8	6	5	4-6	7-8	2000	0	2	cbc	bcpr.		bc
Blacksod Point	12.9	-12	NE	4	c	62	65	50	8	8	-	-	9	9	2500	0	3	c	c	c	r
Malin Head	14.1	-10	E'S	2	c-bc	58	65	46	8	-	-	7	0	7-8	-	1	2	bc	c	bc	pr
Aldergrove	14.2	-4	ENE	1	c-bc	61	55	45	9	8	7	6	4-6	7-8	3500	0	•	cwc	ccy	bc	bcc
Birr Castle	12.7	-6	ESE	1	c	63	85	59	8	8	1	-	7-8	9	1500	0	•	c	c	•	r
Valentia Obsy.	12.1	-14	SSW	3	c	61	55	46	9	1	7	-	Tr	9+	2500	1	2	bc	c	c	r
Roches Point	13.0	-8	E	3	bc	61	75	53	8	5	3	-	1	4-6	2500	1	2	c	r	c	r

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands	Winds variable light, freshening from south veering southwest later; fair at first; cloudy or dull with rain spreading eastwards later this evening and tonight; fairer periods tomorrow; rather warm, becoming cooler tomorrow.
4 W. Midlands, 5 S.W. England, 6 South Wales, 7 North Wales	Winds south southeast, moderate to fresh at times, veering southwest to west; dull with rain first half of period; bright periods tomorrow; rather close becoming cooler.
8 N.W. England, 9 N. Midlands, 10 N.E. England, 11 S.E. Scotland	Winds southeast to east increasing fresh at times, veering southerly later; fair early then dull, rainy; fog at times on the East coasts; conditions beginning to improve by end of period; rather cool.
12 S.W. Scotland & Isle of Man, 13A W. Scotland	Wind easterly increasing to fresh at times; cloudy to dull, rain at times; rather cool.
13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Light northeast to east winds, freshening generally; fair today, becoming dull and rainy; cool.
16 Orkneys and Shetlands	As 13B – 15
17 N. W. Ireland, 18 N. E. Ireland	Wind east to southeast, moderate or fresh, veering south to southwest; dull; rainy; some fairer periods tomorrow; rather cool.
19 S. E. Ireland, 20 S. W. Ireland	Winds southeast to south moderate to fresh, veering southwest to west; dull with occasional rain at first, then fair periods but with a chance of local showers; rather cool.

GENERAL INFERENCE

Pressure is high to northward of the British Isles; a depression off Southwest Ireland will now move northeast near our West and Northwest seaboard; rain in Ireland will spread to all districts during the next twenty-four hours, although amounts will probably be small in Southeast England; fairer conditions will spread to most of England and Wales by the end of the period, except for some local showers; temperatures will be somewhat lower generally.

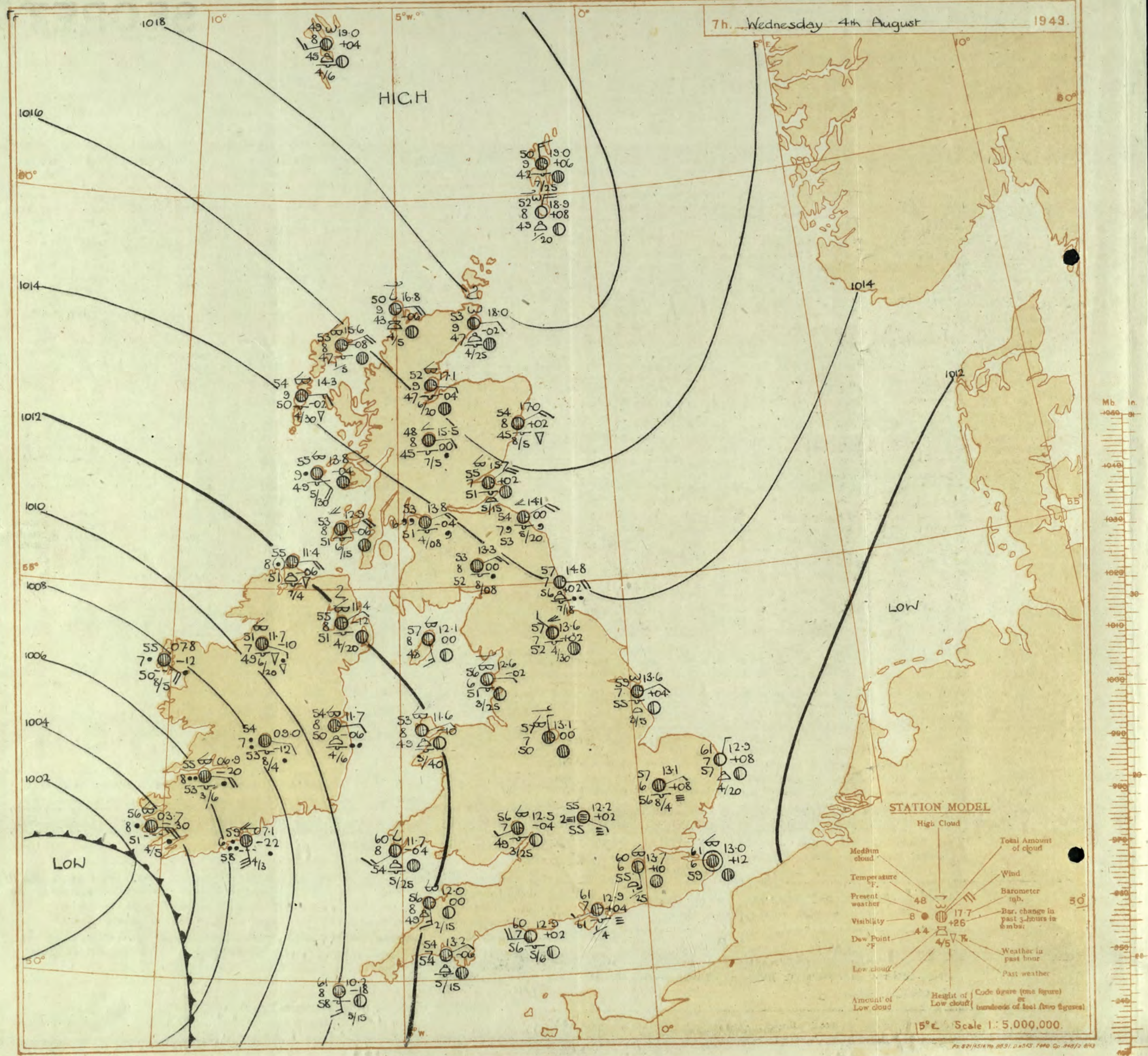
FURTHER OUTLOOK

An unsettled type of weather expected to continue.

Forecasts issued at 10.30

NELSON K. JOHNSON, K.C.B., D.Sc., Director
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Wednesday 4th August 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Wednesday 4th August 1943

No. 29840

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

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	390	13.1	-2	–	0	b	59	85	54	6	–	–	8	0	1	–
	S. Farnborough	226	11.8	-6	–	0	b	56	92	54	8	–	–	–	0	0	–
	Boscombe Down	417	12.6	-2	–	0	b	55	97	54	8	–	–	–	0	0	–
	Thorney Island	10	12.8	-2	–	0	b	54	97	54	8	5	–	–	1	1	2500
	Lympne	283	12.2	0	N	1	b	61	85	56	7	–	–	–	0	0	–
	Manston	154	11.9	0	–	0	c	62	92	61	7	–	7	2	0	10	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	12.2	-2	N	1	b-bc	61	92	59	7	–	1	–	0	2-3	–
	Gorleston	5	12.3	-4	NNE	2	Zo	62	92	59	6	–	–	–	0	0	–
	Mildenhall	15	12.5	-4	NE'E	1	Zo	58	92	56	6	5	–	–	4-6	4-6	5700
	Cranwell	203	12.8	-8	E	1	b	56	92	54	7	–	–	–	0	0	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12.0	0	N	1	Zo	55	92	53	6	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12.2	-4	W	3	b-bc	59	85	54	8	1	–	–	2-3	2-3	4000
	Bristol	209	13.0	-2	NE	1	Zo	59	75	52	6	5	–	–	2-3	2-3	4100
	Portland Bill	32	12.8	-2	SW	3	c-bc	60	92	58	7	5	–	–	7-8	7-8	4000
	Plymouth	86	13.5	-4	–	0	Zo	55	92	54	6	–	–	–	0	0	–
	The Lizard	240	13.8	+2	WNW	2	bc	55	92	53	7	4	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	163	13.4	-10	SW	2	bc	55	85	51	8	8	–	–	4-6	4-6	1800
	Guernsey	175															
6	Pembroke	142	12.5	-12	ENE	2	b-bc	54	92	52	8	5	4	–	2-3	2-3	4000
7	Holyhead (Valley)	32	13.3	-8	NE	1	b	46	92	44	8	–	4	–	0	1	–
	Chester (Sealand)	16	13.2	-4	–	0	b-bc	48	92	46	6	5	–	–	2-3	2-3	4000
8	Manchester	230	13.2	-6	–	0	Zo	54	92	52	5	5	–	–	7-8	7-8	3500
10	Spurn Head	29	13.4	+2	NNE	2	b	58	85	53	7	–	–	–	0	0	–
	Catterick (Sc)	192	13.9	+4	–	0	Zo	49	97	49	6	–	–	–	0	0	–
	Tynemouth	108	14.7	0	NNW	2	c	57	85	53	7	5	–	–	9+	9+	1500
11	St. Abbs Head	280	15.1	-2	NE	3	c	55	85	51	7	5	–	–	10	10	2500
	Leuchars	36	16.1	-8	–	0	cbc/r	52	97	50	7	5	2	–	7-8	7-8	3600
12	Renfrew (Abbots I.)	19	15.3	-8	E	2	Zo	53	75	47	6	5	2	–	7-8	10	1400
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	12.7	-12	E	4	cbc	57	85	53	7	9	–	–	7-8	7-8	2000
13A	Tiree	44	15.0	-2	SE	3	c	56	92	53	7	5	–	–	10	10	2500
13B	Stornoway	12	16.9	-8	ENE	4	cbc	53	75	47	7	5	3	–	7-8	7-8	3500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	17.0	-6	N	2	cbc/r	50	85	46	9	5	7	–	4-6	7-8	1900
	Wick	114	18.4	+2	NE	2	b-bc	48	92	46	8	5	–	–	2-3	2-3	2000
16	Sumburgh	19	18.0	+6	NNW	1	b-bc	47	85	43	8	8	–	–	2-3	2-3	2500
17	Blacksod Point	18	10.5	-16	E'S	2	c	57	85	52	8	9	–	–	9+	9+	2500
18	Malin Head	84	12.9	-12	E	1	bc	53	92	51	8	4	–	–	4-6	4-6	2500
	Aldergrove	268	13.7	-6	ENE	1	bc	51	92	49	8	5	–	–	4-6	4-6	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	09.1	-26	SE'E	4	c	58	75	50	9	5	7	–	1	9+	4000
	Roches Point	22	10.9	-16	E	3	c	59	85	54	8	8	–	–	9+	9+	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0-12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0-9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0-10 (28)	Cloud Amount Total 0-10 (29)	Height of Base (feet) (30)	State of Ground 0-9 (31)	Sea 0-9 (32)
London (Kew)	12.7	+6	S	1	Zo	60	85	55	6	5	4	1	1	2-3	5700	1	*
Croydon	13.7	+10	S	1	bc	60	85	55	6	1	7	–	1	4-6	2500	0	*
S. Farnborough	12.6	+4	SSE	1	Zo	58	85	55	6		1	8	0	2-3	–	0	*
Boscombe Down	12.9	+6	–	0	Zo			54	6	5	3	6	2-3	7-8	4000	0	*
Thorney Island	12.9	+4			c	61	97	61	7	5	–	–	Tr	9	1500	0	*
Lympne	12.1	+10	WNW	1	c	59	85	54	6	5	–	–	9+	9+	4700	0	2
Manston	13.0	+12	–	0	Zo	61	92	59	6	–	7	–	0	10	–	0	*
Shoeburyness	13.6	+6	ESE	1	Zo	64	85	59	5	5	2	–	7-8	10	4000	0	*
Felixstowe	12.8	+10	N	2	c	61	92	59	6	–	7	–	0	9+	–	0	1
Gorleston	12.3	+8	NNE	1	bc	61	85	57	7	2	–	–	4-6	4-6	2000	0	2
Mildenhall	13.1	+8	E'N	1	Zo	57	97	56	6	5	–	–	10	10	1500	0	*
Cranwell	12.6	0	NE'E	2	Zo	58	85	53	6	5	3	1	1	7-8	6000	0	*
Birmingham	12.6	0	E	3	Zo	58	85	53	5	5	–	–	9+	9+	1500	0	*
Upper Heyford	12.2	+2	SE	1	f-	55	97	55	2	–	–	–	10	10	<150	0	*
Ross-on-Wye	12.5	-4	SW'W	1	c	56	75	49	7	5	7	–	2-3	9	2500	0	*
Hartland Point	12.0	0	S	8	c	56	75	49	8	2	7	–	1	9	1500	0	3
Bristol	12.5	+2	–	0	Zo	57	85	54	6	1	–	7	2-3	9+	7000	0	*
Portland Bill	12.9	+2	W	4	cbc	60	85	51	7	5	–	–	7-8	7-8	4000	1	4
Plymouth	13.2	-6	ENE	1	c	54	97	54	7	8	7	–	7-8	9+	1500	0	1
The Lizard	11.9	-10	S	4	c	59	92	57	8	8	2	–	7-8	9+	2000	0	4
Scilly (St. Mary's)	10.2	-18	SSE	4	c	61	85	58	8	5	–	–	7-8	9+	1500	0	3
Guernsey																	
Pembroke	11.7	-4	SW'S	3	cbc	60	85	54	8	8	4	–	7-8	7-8	2500	0	2
Holyhead (Valley)	11.6	-10	ENE	1	c	53	85	49	8	8	7	–	2-3	9	4000	0	1
Chester (Sealand)	12.6	-2	–	0	c	53	85	50	5	–	3	8	0	9+	–	0	*
Manchester	12.7	-4	ENE	2	Zo	55	85	52	5	5	7	–	7-8	9+	2500	0	*
Spurn Head	13.6	+4	ENE	2	c	59	85	55	7	7	3	–	2-3	9+	2500	0	1
Catterick (Sc)	13.6	+2	NW	1	cbc	57	85	52	7	5	2	–	4-6	7-8	3000	0	*
Tynemouth	14.8	+2	E	4	c/r	57	97	56	7	8	–	–	9+	9+	1800	1	4
St. Abbs Head	14.1	0	NE	4	id.	54	92	53	7	5	2	–	7-8	9+	2000	1	4
Leuchars	15.7	+2	NE	4	c	55	85	51	7	7	7	–	7-8	9+	1500	0	*
Renfrew (Abbots I.)	13.8	-4	ENE	3	d.d.	53	92	51	6	5	–	–	4-6	10	800	1	*
Eskdalemuir	13.3	0	ENE	3	o	53	97	52	8	5	–	–	10	10	800	1	*
Point of Ayre	12.1	0	S	3	cbc	57	75	48	8	–	7	–	0	7-8	–	0	2
Tiree	13.8	-4	SE	4	ir.	55	75	49	9	5	7	–	7-8	10	3000	0	1
Stornoway	15.6	-8	ENE	4	c	53	85	47	8	5	7	–	Tr	9+	2500	1	2
Dalwhinnie	15.5	0	E	2	c	48	85	45	8	5	1	–	9+	10	2500	1	*
Aberdeen †	17.0	+2	ENE	3	c	54	75	45	8	5	–	–	10	10	2500	1	2
Wick	18.0	-2	E	2	cbc	53	85	47	9	8	3	6	4-6	7-8	2500	0	*
Sumburgh	18.8	+8	NNE	4	b-bc	52	75	45	8	2	3	1	Tr	2-3	2000	0	2
Blacksod Point	07.8	-12	SE	4	ir.	55	85	50	7	6	–	–	10	10	2500	1	3
Malin Head	11.4	+6	E	4	c/p	55	85	50	8	8	–	–	9+	9+	1500	1	3
Aldergrove	11.4	-12	NE	1	c	55	85	51	8	5	7	6	4-6	9	2000	1	*
Birr Castle	09.0	-12	ESE	2	ir	54	97	53	7	5	–	–	10	10	1500	0	*
Valentia Obsy.	03.7	-30	E'S	5	ir.	56	85	51	8	6	7	–	4-6	10	2500	1	4
Roches Point	07.1	-22	S'E	6	rr	59	97	58	6	6	2	–	4-6	9+	800	1	5

PAST 24 HOURS.

Stations	Temperature Max. Day 7h-18h °F. (33)	Temperature Min. Night 18h-7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h-18h mm. (36)	Rainfall Night 18h-7h mm. (37)	Sunshine 3rd Hrs. (38)
London (Kew)	75	54	42	–	–	6.3
Croydon	73	54	51	–	–	4.4
S. Farnborough	76	51	41	–	–	7.6
Boscombe Down	74	50	44	–	–	4.4
Thorney Island	69	50		–	–	*
Lympne	68	57	55	Tr	Tr	6.6
Manston	73	60	55	Tr	–	1.7
Shoeburyness	73	59	56	–	–	3.3
Felixstowe	71	59	57	0.1		4.1
Gorleston	67	60	58	–	–	1.1
Mildenhall	71	54	47	–	–	2.1
Cranwell	74	50	44	–	–	6.5
Birmingham	70	57	48	–	–	2.1
Upper Heyford	73	52	47	–	–	*
Ross-on-Wye	71	54	47	–	–	1.7
Hartland Point	64	55	54	–	–	4.1
Bristol	70	52	40	Tr	–	2.6
Portland Bill	63	58	*	–	–	*
Plymouth	66	50	41	–	–	3.9
The Lizard	66	54	*	–	–	10.5
Scilly (St. Mary's)	68	54	*	–	–	6.9
Guernsey						
Pembroke	68	53	*	–	–	11.6
Holyhead (Valley)	65	43	39	–	–	*
Chester (Sealand)	65	48	38	–	–	11.6
Manchester	67	51	43	–	–	*
Spurn Head	68	55	*	–	–	9.3
Catterick (Sc)	71	47	43	–	–	7.7
Tynemouth	63	56	53	6	6	*
St. Abbs Head	54	51	*	1	0.2	*
Leuchars	59	51	47	Tr	Tr	0.2
Renfrew (Abbots I.)	60	51	50	0.1	1	0.2
Eskdalemuir	57	48	47	0.3	2	0.8
Point of Ayre	65	55	*	–	Tr	0.8
Tiree	61	54	49	–	–	3.8
Stornoway	58	57	45	–	–	1.1
Dalwhinnie	55	42	37	2	1	0.3
Aberdeen †	58	48	44	–	Tr	2.3
Wick	59	40	40	–	–	*
Sumburgh	56	45	35	Tr	–	9.9
Blacksod Point	64	55	*	–	0.5	*
Malin Head	59	49		–	Tr	
Aldergrove	64	49	45	–	–	2.5
Birr Castle	65	54	49	–	0.1	
Valentia Obsy.	64	55	52	–	5	
Roches Point	62	58	*	0.1	4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 3rd August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 4th August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	17	02964	29315	1-	01964	31314	50	01868	00003	87	02864	06325
115				51	01964	32124	54	10844	04326	34	02954	08426
203												
208	7-	02966	06326	13	01963	08324	5-	02865	00015	57	02956	08927
210	26	02954	04327	86	02963	08315	5-	02844	14214	57	02945	07358
219	83	02964	08315	83	02954	06426	5-	01864	08314	57	02964	08388
230	7-	25957	28187	7-	10965	04187	5-	02856	00085	52	62966	04168
245	77	02953	06427	57	02852	06427	57	02855	32268	53	02854	28227
260	52	02755	08328	52	05665	04328	5-	05558	04228			
278	5-	02847	30427				50	01854	00084	53	02864	12326
279	86	02865	03325	53	02966	05587	50	01853	06213	23	02853	09226
285	23	01854	30315							87	02852	05427
288	10	01865	22215				5-	41443	28223	51	48109	00049
576	73	02864	06127	87	01863	06125	53	01863	0814	57	25756	10187
301	20	01953	26314	17	02953	25225	00	05690	04120	57	05653	09115
321	76	02765	32115	03	05690	28323	50	05661	28111	5-	05566	32126
290	54-	01754	02214	54	01754	06214	50	01742	08112	50	01753	30113
292	1-	02954	25215	50	02764	20125	00	17490	30200	5-	05677	26127
310												
61403		02790	30127	23	05662	31225	5-	05686	02126	03	05690	06126

III	13h. G.M.T. 3rd August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 4th August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
388	24	02963	32214	23	01963	32214	5-	01862	00012	57	02864	00028
334	--	02645	26116									
340	77	05654	02226	57	02754	31226	5-	05634	30226	57	05654	00028
136	26	02743	30327	57	02753	03327	5-	05675	08125	5-	05658	10218
336	13	02764	12316	53	01753	20-15				53	02753	32328
350	2-	02756	28127	46	02763	02225	50	05662	04102	5	44109	07149
368	83	02744	06128	23	02653	22215	03	05690	00024	57	02754	00027
379	80	02855	28226	5-	02767	30127	00	05690	32200	--	46109	00049
390	20	02755	00028	83	02764	16224	00	08490	00010	53	41454	26147
382	8-	02864	00027	23	02863	31126	00	05690	32110	--	48109	00049
438	83	02763	20127	73	02764	24215	5-	02757	22318			
430	13	02853	16325	07	01990	20314	50	01752	00002	20	05654	20224
409	84	10944	29127	73	02975	26226	50	01852	00002	89	02943	14327

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 4th August. 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.bccy	cbcy	b, cbm.w
Croydon	cm.cy	cybcy	bdbcm.
Greenwich	cy	cy	cbccy
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 whole of period. Min. Time

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 13h % Yesterday	Humidity 9h % To-day
Kew	75	54	42	–	–	6.3	*	*
Croydon	73	54	51	–	–	4.4	*	*
Greenwich	75	55	43	–	–	4.7	44	57
Westminster	74	57	50	–			63	75
Regents Park	75	56	47	–	–		50	67
Camden Square	76	56	48	–	–	*	*	71
Kensington	75	55		–	–		87	67
Hampstead	72	55	47	–	–		*	71

SECRET

Thursday 5th August 1943

No. 29841

Page 1

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

BRITISH SECTION

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	12·1	−6	SW	3	c	68	65	54	8	8	9	8	4-6	9	2500
	Croydon	13·1	−2	SW	3	c	68	55	52	8	8	7	1	7-8	9+	2500
	S. Farnborough	12·3	−2	SW'W	3	c	68	65	54	8	8	7	-	4-6	9+	2500
	Boscombe Down	12·3	−6	SWS	3	bc	67	55	48	8	1	7	-	4-6	4-6	3500
	Thorney Island	13·4	−2	SW	3	c-bc	68	65	55	9	1	3	-	2-3	7-8	2500
	Lympne	13·4	+6	SW	4	c	64	75	57	8	1	7	8	1	10	3000
	Manston	12·7	−2	SWS	3	c	69	65	55	8	8	7	-	4-6	9+	3500
2	Shoeburyness	13·3	−2	S'W	3	c	69	75	61	7	7	1	-	4-6	9	4000
	Felixstowe	13·0	0	ESE	3	c	67	75	60	7	5	-	-	10	10	2500
	Gorleston	12·9	+2	SE'E	2	c	64	85	58	7	5	-	-	9+	9+	2500
	Mildenhall	11·8	−8	SSE	3	c/pr	69	65	57	8	8	7	-	7-8	10	2500
	Cranwell	11·5	−6	SSE	3	c-bc	69	55	51	8	7	3	2	2-3	7-8	3500
3	Birmingham	11·2	−8	S	2	zo	66	75	58	6	5	-	-	9+	9+	2500
	Upper Heyford	11·1	−10	SWS	2	zo	68	65	55	6	2	3	6	7-8	9+	2500
4	Ross-on-Wye	11·0	−8	SW	3	c-bc	69	55	54	7	1	4	1	4-6	7-8	3500
5	Hartland Point	09·7	−10	S	3	c/r	60	85	56	8	8	4	-	4-6	9	1500
	Bristol	11·7	−4	S	3	c-bc	68	55	52	8	2	3	2	4-6	7-8	3000
	Portland Bill	12·8	−2	S	4	c	64	85	61	8	2	4	-	4-6	9	4000
	Plymouth	10·9	−14	SSE	3	ido	62	85	59	9	5	-	-	4-6	10	3000
	The Lizard	08·8	−16	S	5	rr	59	92	57	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	06·1	−14	SW	5	ido	61	97	61	5	5	-	-	10	10	400
	Guernsey															
6	Pembroke	08·7	−12	SSE	6	roro	60	92	58	7	8	-	-	10	10	2500
7	Holyhead (Valley)	10·0	−8	SSW	3	c	63	75	55	8	7	-	-	4-6	10	2000
	Chester (Sealand)	10·7	−4	S	1	c	63	75	55	5	5	2	-	7-8	10	2500
8	Manchester	11·2	−8	-	0		63	75	55		5	7	-		10	2500
10	Spurn Head	12·7	−8	SE'E	2	c	63	85	58	7	7	2	-	4-6	10	2500
	Catterick (Sc)	12·3	−6	NE	2	zo	66	75	55	6	5	2	-	7-8	10	2000
	Tynemouth	14·1	−6	E	4	c	60	85	56	7	8	-	-	9	9	1200
11	St. Abbs Head	13·5	−6	E	3	ir.	54	92	52	7	5	2	-	7-8	10	2000
	Leuchars	14·4	−6	E	5	c	57	85	52	8	7	7	-	7-8	10	1500
12	Renfrew (Abbots I.)	11·4	−14	ENE	4	c	59	85	54	7	5	1	-	4-6	10	800
	Eskdalemuir	11·2	−10	E'S	4	c	60	75	52	8	5	-	-	10	10	1800
	Point of Ayre	10·2	−10	SES	3	iro	62	85	57	7	6	2	-	7-8	10	1500
13A	Tiree	10·8	−18	ESE	3	c	58	85	52	9	5	7	-	4-6	10	3000
13B	Stornoway	13·9	−10	E	5	c	58	75	49	9	8	7	-	4-6	9	3500
15	Dalwhinnie	12·7	−10	E	2	c	54	65	43	8	5	7	-	7-8	10	2500
	Aberdeen	15·2	−2	E	3	c	57	75	47	8	7	7	-	7-8	9+	2500
	Wick	16·9	−6	ENE	3	c	55	75	48	9	8	7	-	7-8	9+	2500
16	Sumburgh	18·8	0	NEN	4	c	53	65	42	8	5	-	7	1	10	3500
17	Blacksod Point	02·6	−32	SE'E	4	RR	56	92	54	7	6	2	-	2-3	10	1500
18	Malin Head	08·1	−18	ES	4	roro	57	85	53	8	5	2	-	4-6	10	1500
	Aldergrove	09·3	+6	ESE	2	ir.	60	62	59	7	8	2	-	2-3	10	2000
19	Birr Castle	03·6	−30	SE	4	c	60	75	52	8	5	-	-	9	9	2500
20	Valentia Obsy.	01·3	−4	SSW	5	c	63	85	59	8	5	-	-	9+	9+	1500
	Roches Point	02·2	−18	SSE	4	c/d	63	92	61	8	5	-	-	9+	9+	800

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	11·4	−4	SW	3	bc	67	55	49	8	8	9	4	2-3	4-6	2500	0	*
Croydon	12·4	−2	SSW	4	bc	67	45	48	8	1	3	6	Tr	4-6	3000	0	*
S. Farnborough	11·5	−2	SSW	2	c-bc	65	55	48	8	-	9	-	0	7-8	-	0	*
Boscombe Down	11·2	−10	S'E	3	~~c-bc~~	63	65	48	9	-	7	-	0	7-8	-	0	*
Thorney Island	12·5	−6	SE	3	c	63	75	54	9	-	7	-	0	9	-	0	*
Lympne	13·1	−2	SW	3	b	63	65	52	8	1	-	-	Tr	1	4500	0	§
Manston	12·2	−8	S	4	b	67	55	51	9	4	3	-	Tr	Tr	3500	0	*
Shoeburyness	12·4	−2	S'W	4	b	69	65	55	8	1	4	-	Tr	1	4000	0	*
Felixstowe	11·7	−10	SSE	3	b-bc	70	65	58	8	5	4	-	1	2-3	4000	0	2
Gorleston	12·7	−2	SSE	3	bc	64	85	59	7	5	-	-	4-6	4-6	1500	0	3
Mildenhall	10·5	−6	S'W	3	b-bc	72	45	52	8	2	4	-	2-3	2-3	3000	0	*
Cranwell	09·2	−14	ESE	4	c-bc	67	65	55	7	2	7	-	4-6	7-8	3500	0	*
Birmingham	09·5	−4	SW	4	ir	62	85	58	8	6	-	-	10	10	1500	0	*
Upper Heyford	10·0	−6	SSW	4	c-bc	67	55	50	9	1	7	6	2-3	7-8	3000	0	*
Ross-on-Wye	09·9	−4	SE	3	iro	59	85	54	8	5	7	-	4-6	9+	3000	1	*
Hartland Point	05·2	−24	SE	4	iro	60	92	58	7	5	2	-	7-8	10	1200	1	3
Bristol	10·5	−10	SSE	3	roio	57	92	55	7	5	2	-	9+	10	2500	1	*
Portland Bill	11·0	−18	S	5	ir	62	92	59	8	5	-	-	10	10	2500	1	4
Plymouth	07·1	−26	SSE	4	roro	61	97	61	6	6	2	-	9	10	3000	1	2
The Lizard	06·7	−8	WSW	5	bc	63	97	62	8	7	3	-	4-6	4-6	2500	1	4
Scilly (St. Mary's)	05·7	−2	SSW	4	cjp	62	92	60	7	8	-	-	10	10	800	1	4
Guernsey																	
Pembroke	04·5	−16	SSE	6	rr	59	97	59	5	5	2	-	7-8	10	2500	1	1
Holyhead (Valley)	06·5	−22	SE	1	roro	60	85	56	6	6	2	-	2-3	10	400	1	1
Chester (Sealand)	07·9	−18	SE	2	c/r	67	65	55	6	5	7	-	7-8	9+	4000	0	*
Manchester	09·1	−8	SE'E	2	c/r	62	92	60	6	-	8	-	0	9+	-	1	*
Spurn Head	14·7	−4	SE'E	4	c	63	85	58	7	7	3	-	4-6	9+	1500	0	4
Catterick (Sc)	10·2	−14	NNE	3	df	61	85	58	3	5	2	-	7-8	10	1500	1	*
Tynemouth	12·4	−10	ENE	4	o	58	92	57	7	-	2	-	10	10	900	1	3
St. Abbs Head	12·0	−6	E	3	iro	54	97	53	6	5	2	-	7-8	10	1200	1	4
Leuchars	12·7	−12	NE	3	d.d.	55	92	53	5	5	2	-	7-8	10	700	1	*
Renfrew (Abbots I.)	09·7	−14	E'N	3	roro	55	92	54	6	5	2	-	7-8	10	1400	1	*
Eskdalemuir	09·9	−10	NE	3	ir	55	92	52	7	5	-	-	10	10	1200	1	*
Point of Ayre	07·2	−16	SES	4	roro	60	92	58	7	6	2	-	9+	9+	1800	1	3
Tiree	08·3	−18	ESE	4	roro	55	92	53	6	5	2	-	7-8	10	1000	1	3
Stornoway	12·2	−10	E	6	c	57	85	54	9	5	7	-	4-6	9+	2500	0	4
Dalwhinnie	11·4	−12	E	2	pr	52	75	44	7	5	2	-	7-8	10	2500	1	*
Aberdeen	14·7	−8	E'N	2	c	56	85	50	8	5	7	-	7-8	10	2500	0	2
Wick	16·4	−2	ENE	4	c	54	85	48	8	8	7	-	4-6	9	3000	0	*
Sumburgh	17·7	−6	NNE	5	c-bc	53	65	43	8	8	-	8	7-8	7-8	3500	0	2
Blacksod Point	98·0	−28	ESE	5	c/r	59	85	55	8	6	-	-	9+	9+	1500	1	4
Malin Head	04·7	−24	E	4	roro	57	85	53	7	5	2	-	4-6	10	800	1	4
Aldergrove	05·7	−22	SSE	3	roro	57	85	53	6	5	2	-	7-8	10	1200	1	*
Birr Castle	99·8	−24	SSE	2	c	64	92	62	8	8	7	-	7-8	9	1500	0	*
Valentia Obsy.	99·8	−8	WSW	5	c/r	57	92	55	7	5	-	-	9+	9+	1500	1	4
Roches Point	01·0	−12	SSW	4	c/r	62	97	62	8	5	+	-	9	9	800	1	5

PAST 24 HOURS — WEATHER

Stations	7h.–13h. 4th (39)	13h.–18h. 4th (40)	18h. 4th to 1h. 5th (41)	1h.–7h. 5th (42)
London (Kew)	bmobcc	cbcy	bcy cr₀c	cr₀cr₀c
Croydon	c.	bcy	bcccido	cido roro
S. Farnborough	bmoc	cbycy	cyirodocbc	bcrmodoroc
Boscombe Down	bomoc	bccbcyc	ccrocddmo	cddcirmoc
Thorney Island	cwc	cbcyc	cmoiroc	bcirmocroro
Lympne	c	cbc	bcc	ciro
Manston	cmozoc	cbcy	bbcc	cciro
Shoeburyness	cmoc	c	cproc	cir
Felixstowe	cmoc	cbcb	bbcc	c
Gorleston	bcc	c	bcc	cproc
Mildenhall	cmoc	cbcby	bccyciro	ciro
Cranwell	cmbcmcy	cyc	cmocrorciro	ciromo
Birmingham	cz	co	oiro	oiror
Upper Heyford	ofcmo	czobcy	cyvroromo	odocmor
Ross-on-Wye	c	cypro	cdc	cpc
Hartland Point	ciroir	cirrro	iroidc	cpr
Bristol	cmoczocy	cvycirscro	crrmocmo	cmo, iro io ro oir
Portland Bill	c	coir	c	
Plymouth	cv	crrmo	cmo iromo	cirocbc
The Lizard	cprrr	rrcbc	c	cprc
Scilly (St. Mary's)	cprord	oidoc	cpoc	c
Guernsey				
Pembroke	cdodororo	rrmoq	cpq.	cRmoq
Holyhead (Valley)	iroc	ciro ir	c	iro kroc
Chester (Sealand)	cmoz.	czoiro	ciromo	cromo
Manchester	czoiro	tRroro	cpRmo	cido
Spurn Head	c	c	c	pro
Catterick (Sc)	czo	czidomo	cmobcmcn	crooroom
Tynemouth	c	co	oirmo	orr
St. Abbs Head	crc	cromo	cromccroc	cmorc
Leuchars	ciroc	cmbmododocmo		cromo
Renfrew (Abbots I.)	cmododo	ccmorrrr	cmorr, iro	ciromo
Eskdalemuir	c	cpr ir	ciroro	cropro
Point of Ayre	ciroir	rrcroro	rrroro	cRrr
Tiree	cirocrr mo	croromo	cromorc	ccirocrr
Stornoway	c	ccidoc	cido iro	crorocrr
Dalwhinnie	o	opro	*	oiro
Aberdeen	c	c	ciro	cido
Wick	c	c	c	cciroc
Sumburgh	bcc	cbcbc	c	c
Blacksod Point	r	r	c	bc
Malin Head	r	r	+	+
Aldergrove	ciro	crromorr	crororrmo	rororrmo
Birr Castle	r	pr	*	pr
Valentia Obsy.	pr	r	pr	pr
Roches Point	r	r	+	+

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

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 southwest wind strong locally veering northwest. Bright intervals; showers or occasional rain, local thunderstorms, cool.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate or fresh southeast or east, wind strong locally backing northeast to north; local thunderstorms some rain, very cool.
16 Orkneys and Shetlands	As 7-15.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Moderate or fresh northeast wind backing northwest strong locally, occasional rain, local thunderstorms, bright intervals, cool.

GENERAL INFERENCE

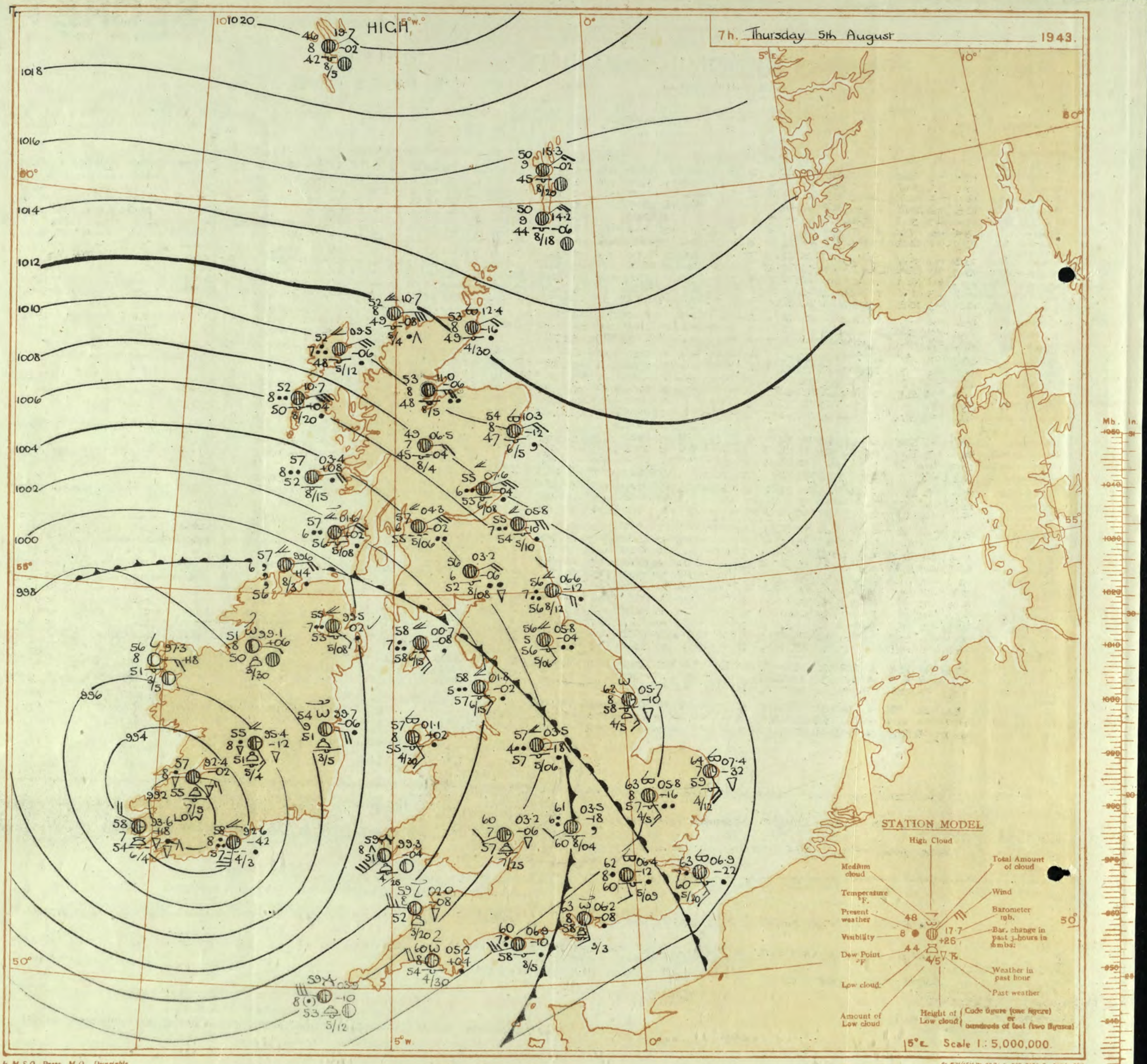
A deep depression over South Ireland is moving east. There will be some rain in all districts with local thunderstorms. Bright intervals will occur in the South and Midlands.

FURTHER OUTLOOK

Occasional rain or showers, local thunderstorms, improving later in the west, cool.

Forecasts issued at

NELSON K. JOHNSON, K.C.B., D.Sc., Director
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

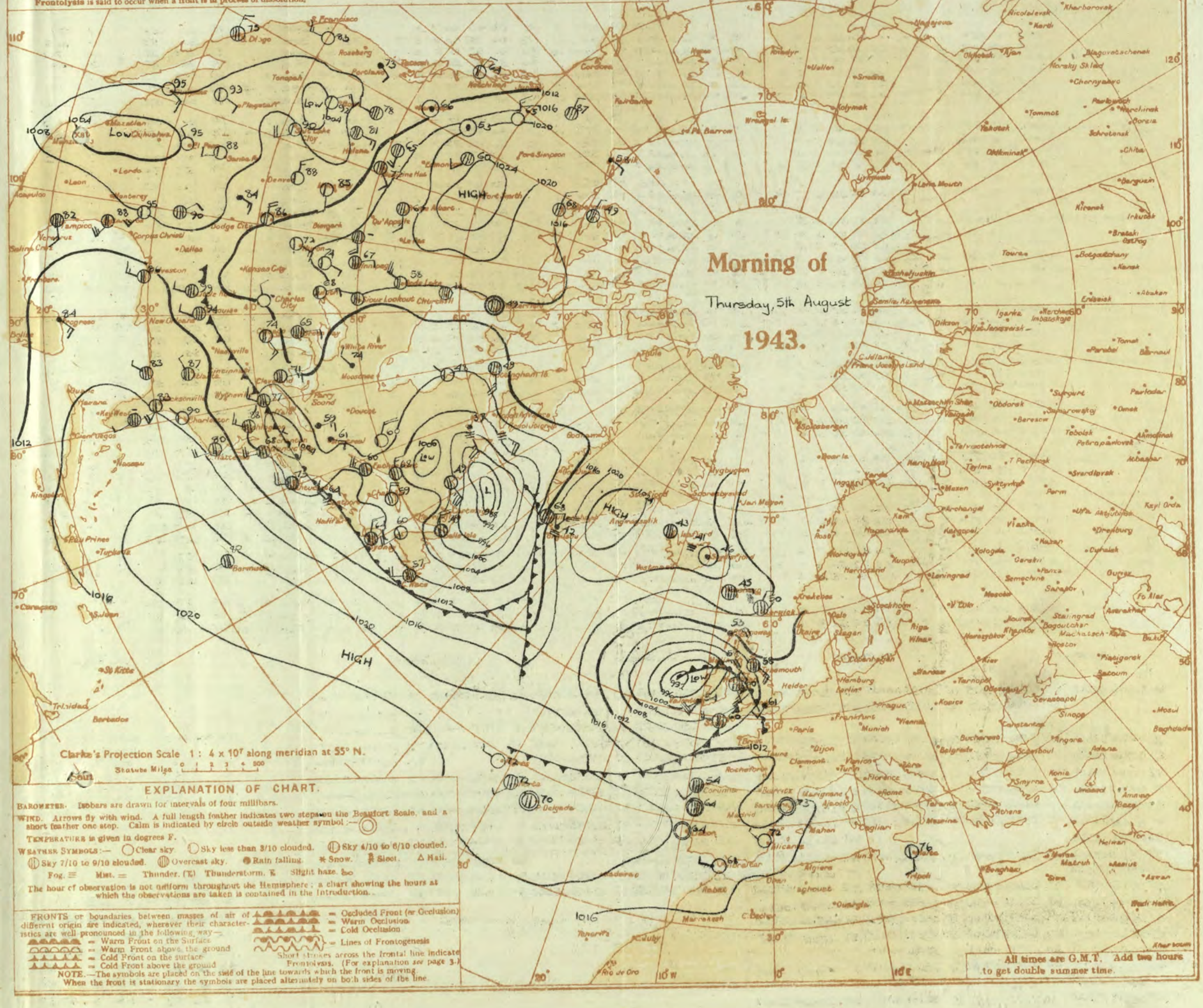
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

Page 1
Friday 6th August 1943
No. 29842

SECRET

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

BRITISH SECTION

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	03·2	-4	WSW	4	c-bc	68	45	47	8	3	-	3	4-6	7-8	2500
	Croydon	04·5	-6	SSW	3	c-bc	68	55	53	8	2	6	4	4-6	7-8	2500
	S. Farnborough	04·0	0	SW'W	1	c-bc	67	55	50	8	8	6	4	4-6	7-8	2000
	Boscombe Down	03·9	-4	SW'S	5	c	65	55	50	8	2	-	6	7-8	9+	3000
	Thorney Island	05·5	+2	SW	5	c	65	65	53	9	8	-	1	7-8	9+	2200
	Lympne	05·3	+6	SW'W	4	ir0	61	92	60	7	2	4	-	9	9+	1000
	Manston	04·8	-6	SSW	3	r0r0	62	97	60	6	6	2	-	7-8	9+	1000
2	Shoeburyness	05·2	0	SSW	2	pr	67	75	59	7	8	-	-	7-8	7-8	1500
	Felixstowe	04·0	-14	S'E	5	PR	71	75	63	7	9	-	-	4-6	10	1500
	Gorleston	03·1	-26	S	6	cq	65	85	60	7	8	-	-	9	9	1500
	Mildenhall	02·5	-14	S'W	4	c	70	65	59	8	8	-	-	7-8	9+	2300
	Cranwell	10·6	-20	SW	4	c/r	67	75	60	8	8	7	6	7-8	9+	1200
3	Birmingham	01·7	-4	SSW	3	c	63	65	51	8	8	6	-	7-8	9	2500
	Upper Heyford	01·9	-2	SW	4	bc	67	55	51	9	8	-	3	4-6	4-6	2000
4	Ross-on-Wye	01·7	-10	SW	3	ir	59	85	53	7	8	7	-	7-8	9+	3000
5	Hartland Point	96·9	-34	WSW	6	ir	58	92	56	7	8	6	-	9	9+	1200
	Bristol	02·7	-8	SSW	3	c/pr	61	85	56	8	3	6	-	4-6	9+	4000
	Portland Bill	06·5	-2	SW	5	c-bc	61	85	58	7	2	-	-	7-8	7-8	4000
	Plymouth	02·5	-18	SW	7	c/pr	61	85	57	6	8	7	-	9	9	1500
	The Lizard	02·2	-18	WSW	7	c/pr	59	92	57	7	8	6	-	7-8	9+	2000
	Scilly (St. Mary's)	01·2	-6	W'S	7	c/pr	59	85	55	6	8	-	-	10	10	1000
	Guernsey															
6	Pembroke	95·3	-30	SW	4	cq	59	97	58	6	5	2	-	7-8	10	1500
7	Holyhead (Valley)	99·4	-10	S	4	bcp	68	55	52	8	2	6	5	4-6	4-6	2500
	Chester (Sealand)	01·1	-6	SSW	2	bc	70	55	52	8	7	7	-	2-3	4-6	2500
8	Manchester	01·5	-8	SSW	2	c	65	65	53	8	2	6	-	4-6	9	1500
10	Spurn Head	02·2	-16	SE'E	5	o	63	97	61	7	7	3	-	4-6	10	1500
	Catterick (Sc)	02·8	-16	E	2	z0	63	92	61	6	5	-	-	7-8	10	1000
	Tynemouth	04·3	-12	ESE	4	c/r	57	97	56	7	-	2	-	10	10	1000
11	St. Abbs Head	05·0	-4	NE	5	r0r0	54	97	54	5	5	2	-	7-8	10	1000
	Leuchars	06·6	-2	ENE	5	r0r0	54	92	52	8	5	2	-	7-8	10	800
12	Renfrew (Abbots I.)	04·1	+2	ENE	4	o/r	56	92	55	7	5	-	-	10	10	1200
	Eskdalemuir	92·1	-6	ENE	4	r0r0	57	97	56	6	6	2	-	7-8	10	700
	Point of Ayre	00·4	-2	-	0	c	59	92	57	7	8	7	-	4-6	10	1500
13A	Tiree	05·1	+10	ENE	3	c	59	75	52	9	5	7	-	7-8	10	2000
13B	Stornoway	10·6	+4	NE	6	c/r	52	85	49	7	5	2	-	7-8	10	1800
15	Dalwhinnie	06·7	-2	E	4	c	51	75	45	7	5	?	-	7-8	10	1500
	Aberdeen	09·7	-2	ENE	3	c	55	75	47	8	5	7	-	9	10	2500
	Wick	11·6	-2	ENE	4	c	55	85	51	9	8	-	-	9+	9+	2500
16	Sumburgh	13·4	-2	NE'N	5	c	53	65	48	9	5	-	-	10	10	2000
17	Blacksod Point	02·6	+26	NNW	3	c	61	75	53	8	8	-	-	9	9	2500
18	Malin Head	01·7	+10	E	7	r0r0	57	97	56	6	-	2	-	10	10	450
	Aldergrove	00·7	+6	E	3	c	63	75	54	8	7	7	6	7-8	9	2000
19	Birr Castle	98·4	+22	N	2	c	60	85	56	8	8	2	-	7-8	9+	1500
20	Valentia Obsy.	03·3	+38	NNW	5	c-bc	62	75	54	8	8	-	-	7-8	7-8	2500
	Roches Point	96·9	+36	NNW	6	c/pr	61	85	57	8	3	-	-	4-6	9	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	02·7	-4	SSW	4	c-bc	63	75	53	8	8	3	-	7-8	7-8	2500	1	•
Croydon	04·2	-2	SSW	4	c/pr	63	65	52	7	8	6	-	7-8	9+	1500	0	•
S. Farnborough	02·5	-12	SSW	4	PR	61	85	55	7	9	7	-	9	9+	1200	1	•
Boscombe Down	01·5	-18	SW'S	5	c/r	58	85	55	7	8	7	-	4-6	9	1400	1	•
Thorney Island	03·8	-16	SSW	5	c/pr	61	85	58	7	8	-	-	2-3	9+	1500	0	•
Lympne	05·3	+2	WSW	5	bc	61	75	52	8	2	-	-	4-6	4-6	2000	1	6
Manston	05·0	+10	SW'S	4	c-bc	64	55	48	8	4	-	3	7-8	7-8	3000	0	•
Shoeburyness	04·9	+2	SSW	4	bc	65	65	54	7	8	-	-	4-6	4-6	4000	0	•
Felixstowe	04·4	+10	SSW	5	bc	67	55	53	8	1	7	1	1	4-6	2500	0	5
Gorleston	02·9	-6	S	4	bc	66	85	62	7	2	-	8	2-3	4-6	2000	1	4
Mildenhall	01·6	-6	SW'S	4	c	67	55	48	9	7	4	2	7-8	9+	4000	0	•
Cranwell	00·8	-2	WSW	5	c-bc	67	55	50	8	2	7	4	2-3	7-8	2000	1	•
Birmingham	99·6	-10	SE	3	c/pr	60	85	56	8	8	7	-	7-8	7-8	1500	1	•
Upper Heyford	00·3	-10	S'E	4	c	61	75	54	8	2	-	-	4-6	9+	1800	0	•
Ross-on-Wye	98·5	-12	S'E	3	c/pr	60	85	57	8	9	-	-	9+	9+	3000	1	•
Hartland Point	97·0	+10	SW	6	c-bcjp	60	92	57	7	2	6	-	4-6	7-8	1200	1	5
Bristol	99·9	-14	S	4	c/pr	59	85	56	8	9	6	3	4-6	9+	1500	1	•
Portland Bill	03·6	-16	SW	6	c	61	85	58	7	5	-	-	10	10	2500	1	5
Plymouth	01·3	+2	W	7	c/pr	59	92	57	6	8	-	-	9	9	800	1	4
The Lizard	02·6	-4	WSW	7	c-bc	59	85	55	7	8	6	-	7-8	7-8	2000	0	5
Scilly (St. Mary's)	03·4	+16	WNW	7	c/pr	60	85	56	7	8	6	-	7-8	9	1200	1	5
Guernsey																	
Pembroke	97·3	+12	NNW	4	bc	60	92	57	7	2	7	1	2-3	4-6	2500	1	3
Holyhead (Valley)	00·3	+6	NE'N	3	cjp	60	75	53	8	8	6	-	7-8	9	2000	1	2
Chester (Sealand)	00·0	-2	-	0	c	66	55	51	8	2	7	8	7-8	9	2500	1	•
Manchester	99·6	-6	S'W	1	c	65	65	51	9	2	6	3	2-3	9+	2500	1	•
Spurn Head	01·5	-4	SW	3	c-bc	67	75	58	7	7	3	-	4-6	7-8	1500	1	3
Catterick (Sc)	00·4	-16	-	0	m/r	60	97	60	4	5	2	-	7-8	10	700	1	•
Tynemouth	02·7	-4	E	4	c/r	58	97	58	7	-	2	-	10	10	1200	1	3
St. Abbs Head	05·4	+4	NE	5	c/r	54	92	52	7	5	-	-	10	10	1500	1	5
Leuchars	07·0	+6	NNE	4	c/d	54	85	50	6	5	-	-	10	10	1000	1	•
Renfrew (Abbots I.)	05·7	+12	NE'E	4	ir0	55	85	50	8	5	7	-	4-6	9+	800	1	•
Eskdalemuir	02·3	+6	NE'N	4	ir	55	92	53	6	6	2	-	7-8	10	600	1	•
Point of Ayre	00·4	+4	N	2	r0r0	59	97	58	8	8	7	-	2-3	9+	1600	1	2
Tiree	07·4	+12	ENE	4	ir0	57	85	52	7	5	-	-	10	10	2500	1	3
Stornoway	12·1	+14	NE	6	c	54	85	48	8	5	7	-	4-6	9	1800	1	4
Dalwhinnie	08·3	+2	ENE	4	c	50	85	45	7	5	2	-	9	10	1500	1	•
Aberdeen	09·2	0	NE	3	c	55	75	47	8	5	7	-	7-8	9+	4000	0	3
Wick	12·1	0	NE	3	c	53	85	48	8	5	-	-	10	10	3000	0	•
Sumburgh	12·4	-2	NNE	5	c	53	85	48	9	8	-	-	9+	9+	2300	0	2
Blacksod Point	06·1	+22	NNW	3	c	61	85	57	6	5	-	-	10	10	2500	1	3
Malin Head	04·8	+20	ENE	6	c	57	85	53	8	8	-	-	10	10	800	3	4
Aldergrove	02·7	+18	NE	2	z0	58	65	44	5	5	-	-	10	10	1000	1	•
Birr Castle	02·5	+24	NNW	1	c-bc	66	65	54	8	8	-	-	7-8	7-8	1500	0	•
Valentia Obsy.	07·7	+22	NW'N	6	ir0	57	97	56	6	6	-	-	10	10	1500	1	5
Roches Point	03·3	+38	N	6	bc	63	75	55	8	3	-	5	4-6	4-6	1500	1	4

PAST 24 HOURS. — WEATHER.

Stations	7h.–13h. 5th (39)	13h.–18h. 5th (40)	18h. 5th to 1h. 6th (41)	1h.–7h. 6th (42)
London (Kew)	ir0cbcy	cpr0bcc	crr0r	rr0rrm0c
Croydon	cpr0bcy	bcypr0	ccprm0	cpr0m0
S. Farnborough	cpr0cbcy	bcypr0cpc	PRprPR	cpr0m0c
Boscombe Down	circprc	cycprcr	ccpr0c	ccrrc
Thorney Island	cpr0c	cjpc	cprbc	bcpr0r0c
Lympne	prrcrrm0	cir0cybc	cpr0m0	cpr0cm0pr0
Manston	cir0	cr0r0m0cbcb	ccpr0m0	ir0pr0
Shoeburyness	cjppr0c	cpr0bc	cprm0	cprcm0
Felixstowe	cir0cpr	cprcbcy	bccir0	cr0r0m0c
Gorleston	or0c	cqbcq	bcpr0	cpr0c
Mildenhall	crrm0pr	cpr0cy	cycbcc	cwccm0
Cranwell	cir0r0m0c	cprcbc	bc	bcm0bF
Birmingham	rocpr	cbcc	cpr	co
Upper Heyford	cpr0bc	cpr0c	ccir0id0cm0	ir0d0gcm0
Ross-on-Wye	r0cc	cp0tlR	cbc	cbcrRrrc
Hartland Point	prirc	ir Prc	bccpr	bccpr
Bristol	cr0r0ccpr	ccpr0pr	cprcpr0	ccbc
Portland Bill	c	oc	c	coir
Plymouth	cpr0	cpr0ir0	cbcm0	cm0pr0
The Lizard	cpbc	cprc	cbcw	bcc
Scilly (St. Mary's)	cpq	cpc	cbc	bcc
Guernsey				
Pembroke	prrqm0c	cpr0qbc	cbcq	cpr0q
Holyhead (Valley)	bcc	cpr0r0	cid0c	c
Chester (Sealand)	cr0r0m0	cpr0y	cprr0r0m0	bccm0
Manchester	id0ir0m0	bcypr0	cbcm0	bm0fpr0
Spurn Head	c	c	c	F
Catterick (Sc)	cmir0m0c	r0m0c	rr0frrm	crr0or0m
Tynemouth	coir	oir0	oiRlir	orrc
St. Abbs Head	crrrfcr0	crrm0c	cr0c	cbc
Leuchars	orrm0r0r0m0	or0r0d0d0	cm0r0c	cbc
Renfrew (Abbots I.)	cr0r0q	cir0rrir0	cr0r0c	ccid0c
Eskdalemuir	cid0r0	cir0ir	cirrrm0c	c
Point of Ayre	id0bcc	crprc	rrr0	ir0c
Tiree	c	ccir0	cir0cb	bccbc
Stornoway	crrr0r0c	cir0cprc	c	cir0jfcir0
Dalwhinnie	o	oir0	•	opr0
Aberdeen	c	c	cir0	c
Wick	c	c	o	c
Sumburgh	c	cv	c	cpr0bc
Blacksod Point	bc	c	d	d
Malin Head	r	r	r	*
Aldergrove	cr0r0m0c	c	cr0r0m0c	cir0c
Birr Castle	jpr	c		d
Valentia Obsy.	pr	r	r	pr
Roches Point	pr	pr	b	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 6th August 1943.

DISTRICTS	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Moderate northerly winds, fresh locally, falling light and backing westerly; dull with slight local rain or drizzle at first, becoming fine; cool or very cool, becoming warmer tomorrow.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland	Moderate northerly winds, fresh locally, falling light temporarily then freshening and backing southwest to south; cloudy with slight local rain or drizzle at first, some bright intervals later followed by general rain spreading from west; cool.
14 Mid Scotland; 15 N.E. Scotland	As 0-12
16 Orkneys and Shetlands	As 0-12
17 N.W. Ireland; 18 N.E. Ireland; 19 S.E. Ireland; 20 S.W. Ireland	As 13A-B.

GENERAL INFERENCE

A depression centred over the southern North Sea is moving eastwards and a ridge of high pressure is spreading across the country from west. It will be generally dull and cool with slight local rain or drizzle, but brighter conditions will gradually spread over from west. ~~Finally a trough of low pressure advancing from the Atlantic will bring rain to Ireland~~ and west and northwest Scotland.

FURTHER OUTLOOK

Rain spreading eastwards, finally affecting all districts.

Forecasts issued at 1030.

NELSON K. JOHNSON, K.C.B., D.Sc. Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

SECRET

BRITISH SECTION

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

Friday 6th August 1943

No. 29842

OBSERVATIONS at 13h. G.M.T. 5th August | OBSERVATIONS at 18h. G.M.T. 5th August | PAST 24 HOURS.

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)	Barom. at M.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. 5th (39)	Weather 13h.–18h. 5th (40)	Weather 18h. 5th to 1h. 6th (41)	Weather 1h.–7h. 6th (42)
1	London (Kew)	03·2	−4	WSW	4	cbc	68	45	47	8	3	–	3	4-6	7-8	2500	02·7	−4	SSW	4	cbc	63	75	53	8	8	3	–	7-8	7-8	2500	1	•	ir₀cbcy	cpr₀bcc	crr₀r	rr₀rrm₀c
	Croydon	04·5	−6	SSW	3	cbc	68	55	53	8	2	6	4	4-6	7-8	2500	04·2	−2	SSW	4	c/pr	63	65	52	7	8	6	–	7-8	9+	1500	0	•	cpr₀bcy	bcypr₀	ccprm₀	cpr₀m₀
	S. Farnborough	04·0	0	SW	1	cbc	67	55	50	8	8	6	4	4-6	7-8	2000	02·5	−12	SSW	4	PR	61	85	55	7	9	7	–	9	9+	1200	1	•	cpr₀cbcy	bcypr₀cpc	PRprRc	cpr₀m₀c
	Boscombe Down	03·9	−4	SWS	5	c	65	55	50	8	2	–	6	7-8	9+	3000	01·5	−18	SW'S	5	c/r	58	85	55	7	8	7	–	4-6	9	1400	1	•	circprc	cycprcr	ccpr₀c	ccrrc
	Thorney Island	05·5	+2	SW	5	c	65	65	53	9	8	–	1	7-8	9+	2200	03·8	−16	SSW	5	c/pr	61	85	58	7	8	–	–	2-3	9+	1500	0	•	cpr₀c	cjpc	cprbc	bcpr₀c
	Lympne	05·3	+6	SW'W	4	ir₀	61	92	60	7	2	4	–	9	9+	1000	05·3	+2	WSW	5	bc	61	75	52	8	2	–	–	4-6	4-6	2000	1	§ 6	orrfcrrm₀	cir₀cybc	cpr₀m₀	cpr₀cmpr₀
	Manston	04·8	−6	SSW	3	r₀r₀	62	97	60	6	6	2	–	7-8	9+	1000	05·0	+10	SW'S	4	cbc	64	55	48	8	4	–	3	7-8	7-8	3000	0	•	cir₀	cr₀r₀m₀cbc	ccpr₀m₀	ir₀pr₀
2	Shoeburyness	05·2	0	SSW	2	pr	67	75	59	7	8	–	–	7-8	7-8	1500	04·9	+2	SSW	4	bc	65	65	54	7	8	–	–	4-6	4-6	4000	0	•	cjppr₀c	cpr₀bc	cprm₀	cprcm₀
	Felixstowe	04·0	−14	S'E	5	PR	71	75	63	7	9	–	–	4-6	10	1500	04·4	+10	SSW	5	bc	67	55	53	8	1	7	1	1	4-6	2500	0	5	cir₀cpr	cprcby	bccir₀	cr₀r₀mc
	Gorleston	03·1	−26	S	6	cq	65	85	60	7	8	–	–	9	9	1500	02·9	−6	S	4	bc	66	85	62	7	2	–	8	2-3	4-6	2000	1	4	or₀c	cqbcq	bcpr₀	cpr₀c
	Mildenhall	02·5	−14	S'W	4	c	70	65	59	8	8	–	–	7-8	9+	2300	01·6	−6	SW'S	4	c	67	55	48	9	7	4	2	7-8	9+	4000	0	•	crr m₀pr₀	cpr₀cy	cycbcc	cwccm₀
	Cranwell	10·6	−20	SW	4	c/r	67	75	60	8	8	7	6	7-8	9+	1200	00·8	−2	WSW	5	cbc	67	55	50	8	2	7	4	2-3	7-8	2000	1	•	cir₀r₀m₀c	cprcbc	bc	bcm₀bF
3	Birmingham	01·7	−4	SSW	3	c	63	65	51	8	8	6	–	7-8	9	2500	99·6	−10	SE	3	c/pr	60	85	56	8	8	7	–	7-8	7-8	1500	1	•	r₀cpr	cbcc	cpr	co
	Upper Heyford	01·9	−2	SW	4	bc	67	55	51	9	8	–	3	4-6	4-6	2000	00·3	−10	S'E	4	c	61	75	54	8	2	–	–	4-6	9+	1800	0	•	cpr₀bc	cpr₀c	ccir₀id₀cm₀	ir₀d₀d₀cm₀
4	Ross-on-Wye	01·7	−10	SW	3	ir	59	85	53	7	8	7	–	7-8	9+	3000	98·5	−12	S'E	3	c/pr	60	85	57	8	9	–	–	9+	9+	3000	1	•	r₀cc	cp₀tlR	cbc	cbcrRrrc
5	Hartland Point	96·9	−34	WSW	6	ir	58	92	56	7	8	6	–	9	9+	1200	97·0	+10	SW	6	c-bcjp	60	92	57	7	2	6	–	4-6	7-8	1200	1	5	prirc	ir Prc	bccpr	bccpr
	Bristol	02·7	−8	SSW	3	c/pr	61	85	56	8	3	6	–	4-6	9+	4000	99·9	−14	S	4	c/pr	59	85	56	8	9	6	3	4-6	9+	1500	1	•	cr₀r₀ccpr	ccpr₀pr	cprcpr₀	ccbc
	Portland Bill	06·5	−2	SW	5	cbc	61	85	58	7	2	–	–	7-8	7-8	4000	03·6	−16	SW	6	c	61	85	58	7	5	–	–	10	10	2500	1	5	c	od	c	coir
	Plymouth	02·5	−18	SW	7	c/pr	61	85	57	6	8	7	–	9	9	1500	01·5	+2	W	7	c/pr	59	92	57	6	8	–	–	9	9	800	1	4	cpr₀	cpr₀ir₀	cbcm₀	cm₀pr₀
	The Lizard	02·2	−18	WSW	7	c/pr	59	92	57	7	8	6	–	7-8	9+	2000	02·6	−4	WSW	7	cbc/pr	59	85	55	7	8	6	–	7-8	7-8	2000	0	5	cpbc	cprc	cbcw	bcc
	Scilly (St. Mary's)	01·2	−6	W'S	7	c/pr	59	85	55	6	8	–	–	10	10	1000	03·4	+16	WNW	7	c	60	85	56	7	8	6	–	7-8	9	1200	1	5	cpq	cpc	cbc	bcc
	Guernsey																																				
6	Pembroke	95·3	−30	SW	4	cq	59	97	58	6	5	2	–	7-8	10	1500	97·3	+12	NNW	4	bc	60	92	57	7	2	7	1	2-3	4-6	2500	1	3	prr qm₀c	cpr₀qbc	cbcq	cpr₀q
7	Holyhead (Valley)	99·4	−10	S	4	bcjp	68	55	52	8	2	6	3	4-6	4-6	2500	00·3	+6	NE'N	3	cjp	60	75	53	8	8	6	–	7-8	9	2000	1	2	bcc	cp₀r₀	cid₀c	c
	Chester (Sealand)	01·1	−6	SSW	2	bc	70	55	52	8	7	7	–	2-3	4-6	2500	00·0	−2	–	0	c	66	55	51	8	2	7	8	7-8	9	2500	1	•	cr₀r₀m₀	cpr₀y	cprr₀r₀m₀	bccm₀
8	Manchester	01·5	−8	SSW	2	c	65	65	53	8	2	6	–	4-6	9	1500	99·6	−6	S'W	1	c	65	65	51	9	2	6	3	2-3	9+	2500	1	•	id₀ir₀m₀	bcypr₀	cbcm₀	bm₀fpr₀
10	Spurn Head	02·2	−16	SE'E	5	c	63	97	61	7	7	3	–	4-6	10	1500	01·5	−4	SW	3	cbc	67	75	58	7	7	3	–	4-6	7-8	1500	1	3	c	c	c	F
	Catterick (Sc)	02·8	−16	E	2	z₀	63	92	61	6	5	–	–	7-8	10	1000	00·4	−16	–	0	m/r	60	97	60	4	5	2	–	7-8	10	700	1	•	cmir₀m₀	cr₀m₀	crrofrrm	crrr₀crm
	Tynemouth	04·3	−12	ESE	4	c/r	57	97	56	7	–	2	–	10	10	1000	02·7	−4	E	4	c/r	58	97	58	7	–	2	–	10	10	1200	1	3	coir	oir₀	oiRlir	orrc
11	St. Abbs Head	05·0	−4	NE	5	r₀r₀	54	97	54	5	5	2	–	7-8	10	1000	05·4	+4	NE	5	c/r	54	92	52	7	5	–	–	10	10	1500	1	5	crr rfcr₀	crrm₀c	cr₀c	cbc
	Leuchars	06·6	−2	ENE	5	r₀r₀	54	92	52	8	5	2	–	7-8	10	800	07·0	+6	NNE	4	c/d	54	85	50	6	5	–	–	10	10	1000	1	•	orrm₀r₀r₀m₀	or₀r₀dd	cm₀r₀c	cbc
12	Renfrew (Abbots I.)	04·1	+2	ENE	4	o/r	56	92	55	7	5	–	–	10	10	1200	05·7	+12	NE'E	4	ir₀	55	85	50	8	5	7	–	4-6	9+	800	1	•	cr₀r₀q	cir₀rrir₀	cr₀r₀c	ccid₀c
	Eskdalemuir	92·1	−6	ENE	4	r₀r₀	57	97	56	6	6	2	–	7-8	10	700	02·3	+6	NE'N	4	ir	55	92	53	6	6	2	–	7-8	10	600	1	•	cid₀r₀	cir₀ir	cirrrmc	c
	Point of Ayre	00·4	−2	–	0	c	59	92	57	7	8	7	–	4-6	10	1500	00·4	+4	N	2	r₀r₀	59	97	58	8	8	7	–	2-3	9+	1600	1	2	id₀bcc	crprc	rrr₀	ir₀c
13A	Tiree	05·1	+10	ENE	3	c	59	75	52	9	5	7	–	7-8	10	2000	07·4	+12	ENE	4	ir₀	57	85	52	7	5	–	–	10	10	2500	1	3	c	ccir₀	cir₀cb	bccbc
13B	Stornoway	10·6	+4	NE	6	c/r	52	85	49	7	5	2	–	7-8	10	1800	12·1	+14	NE	6	c	54	85	48	8	5	7	–	4-6	9	1800	1	4	crr r₀r₀c	cir₀cprfc		cir₀jfcir₀
15	Dalwhinnie	06·7	−2	E	4	c	51	75	45	7	5	?	–	7-8	10	1500	08·3	+2	ENE	4	c	50	85	45	7	5	2	–	9	10	1500	1	•	o	oir₀	•	opr₀
	Aberdeen	09·7	−2	ENE	3	c	55	75	47	8	5	7	–	9	10	2500	09·2	0	NE	3	c	55	75	47	8	5	7	–	7-8	9+	4000	0	3	c	c	cir₀	c
	Wick	11·6	−2	ENE	4	c	55	85	51	9	8	–	–	9+	9+	2500	12·1	0	NE	3	c	53	85	48	8	5	–	–	10	10	3000	0	•	c	c	o	c
16	Sumburgh	13·4	−2	NE'N	5	c	53	65	43	9	5	–	–	10	10	2000	12·4	−2	NNE	5	c	53	85	48	9	8	–	–	9+	9+	2300	0	2	c	cv	c	cpr₀bc
17	Blacksod Point	02·6	+26	NNW	3	c	61	75	53	8	8	–	–	9	9	2500	06·1	+22	NNW	3	c	61	85	57	6	5	–	–	10	10	2500	1	3	bc	c	d	d
18	Malin Head	01·7	+10	E	7	r₀r₀	57	97	56	6	–	2	–	10	10	450	04·8	+20	ENE	6	c	57	85	53	8	8	–	–	10	10	800	3	4	r	r	r	r
	Aldergrove	00·7	+6	E	3	c	63	75	54	8	7	7	6	7-8	9	2000	02·7	+18	NE	2	z₀	58	65	44	5	5	–	–	10	10	1000	1	•	cr₀r₀m₀c	c	cr₀r₀m₀c	cir₀c
19	Birr Castle	98·4	+22	N	2	c	60	85	56	8	8	2	–	7-8	9+	1500	02·5	+24	NNW	1	cbc	66	65	54	8	8	–	–	7-8	7-8	1500	0	•	jpr	c	•	d
20	Valentia Obsy.	03·3	+38	NNW	5	cbc	62	75	54	8	8	–	–	7-8	7-8	2500	07·7	+22	NW'N	6	ir₀	57	97	56	6	6	–	–	10	10	1500	1	5	pr	r	r	pr
	Roches Point	96·9	+36	NNW	6	c/pr	61	85	57	8	3	–	–	4-6	9	1500	03·3	+38	N	6	bc	63	75	55	8	9	–	5	4-6	4-6	1500	1	4	pr	pr	b	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 6th August 1943.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	Moderate northerly winds, fresh locally, falling light and backing westerly; dull with slight local rain or drizzle at first, becoming fine; cool or very cool, becoming warmer tomorrow.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland	Moderate northerly winds, fresh locally, falling light temporarily then freshening and backing southwest to south; cloudy with slight local rain or drizzle at first, some bright intervals later followed by general rain spreading from west; cool.
14 Mid Scotland; 15 N.E. Scotland	As 0-12
16 Orkneys and Shetlands	As 0-12
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 13A-B.

GENERAL INFERENCE

A depression centred over the southern North Sea is moving eastwards and a ridge of high pressure is spreading across the country from west. It will be generally dull and cool with slight local rain or drizzle, but brighter conditions will gradually spread over from west. ~~Finally a trough of low pressure advancing from the Atlantic will bring rain to Ireland~~ and west and northwest Scotland.

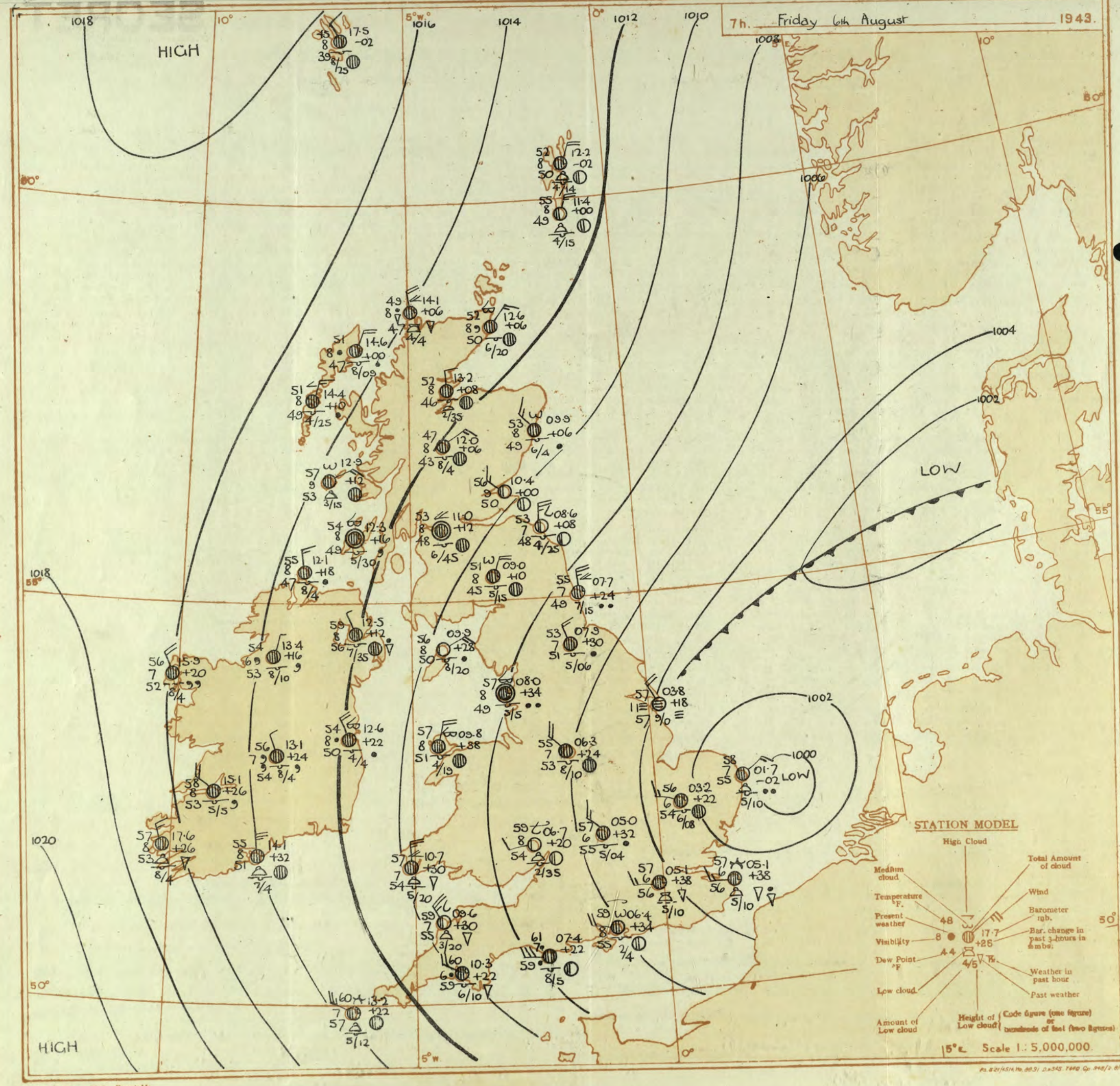
FURTHER OUTLOOK

Rain spreading eastwards, finally affecting all districts.

Forecasts issued at 1030.

NELSON K. JOHNSON, K.C.B., D.Sc., Director
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Friday 6th August 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

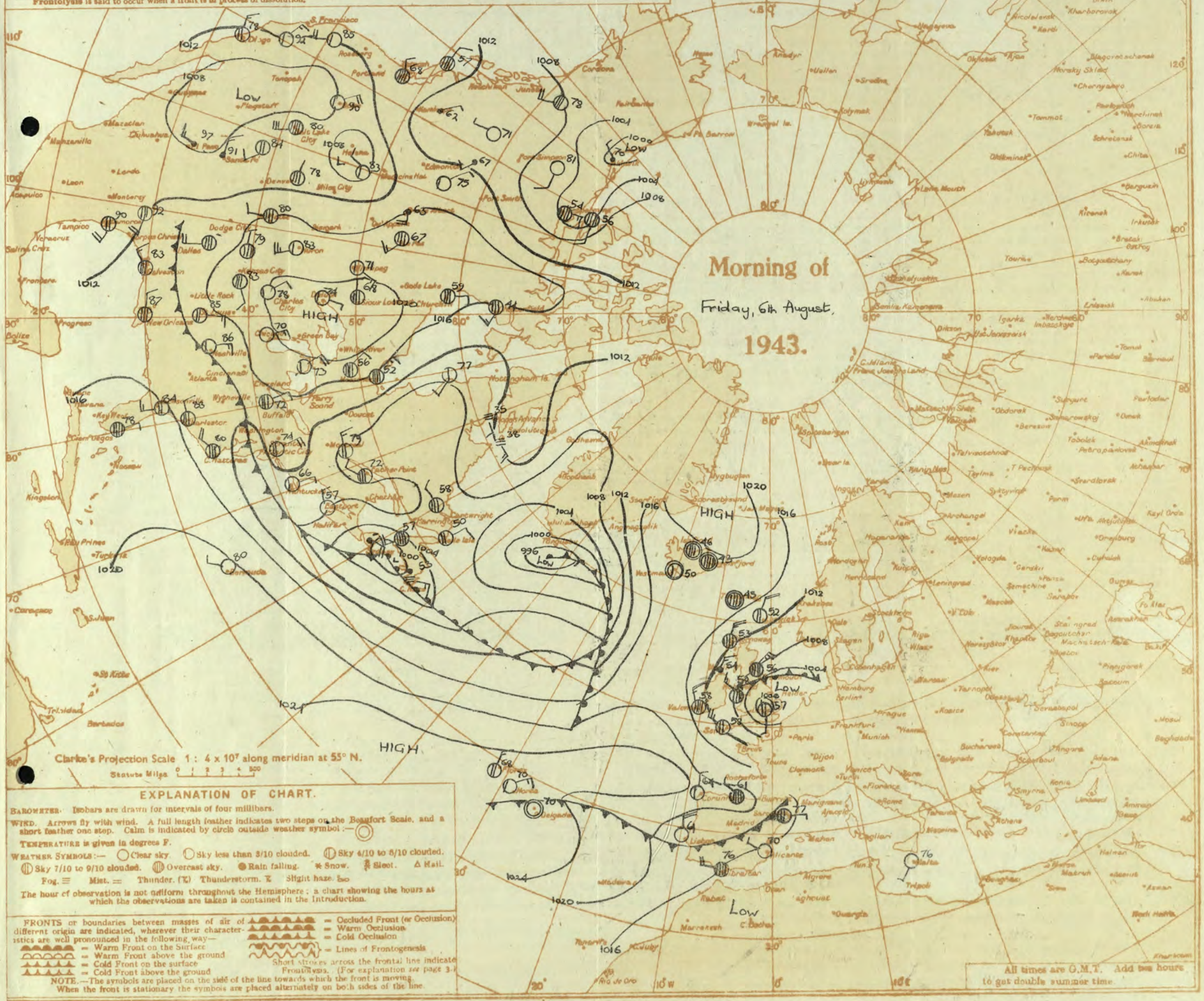
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

Fog. Mist. Thunder. Thunderstorm. Slight haze.

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

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

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

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

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

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

Page 4.

BRITISH SECTION

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

Friday 6th August 1943

No. 29842

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

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	01·8	-14	S	2	bc/pr	57	97	56	7	9	-	-	4-6	4-6	2000
	S. Farnborough	226	99·9	-10	W'S	3	c/pr	57	92	55	8	9	-	3	7-8	9	1800
	Boscombe Down	417	01·2	+12	WNW	3	c	56	97	58	7	5	-	-	10	10	2500
	Thorney Island	10	01·4	-12	SW	5	bc/pr	60	85	56	7	8	-	-	4-6	4-6	2500
	Lympne	283	02·2	-20	SW'W	5	PR	57	97	56	6	2	-	-	7-8	7-8	1000
	Manston	154	02·0	-22	S	3	c-bc/pr	58	85	54	7	2	6	6	2-3	7-8	2000
2	Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Felixstowe	12	02·0	-16	SSW	6	ir_0	62	85	57	7	5	2	-	7-8	10	2500
	Gorleston	5	02·7	-2	S'W	4	pr	60	85	55	7	8	-	-	4-6	4-6	800
	Mildenhall	15	01·1	-8	SSE	2	c	57	92	55	8	5	-	-	9	9	3400
	Cranwell	203	01·5	0	-	0	Z_0	54	97	54	6	5	-	-	4-6	4-6	3000
3	Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Upper Heyford	408	99·7	+2	-	0	Z_0	56	97	55	6	5	-	-	4-6	10	900
4	Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5	Hartland Point	299	05·6	+30	NW	6	bc	59	85	55	8	2	4	-	1	4-6	2500
	Bristol	209	02·5	+32	WNW	3	c/pr	57	92	55	8	8	-	-	9	9+	1300
	Portland Bill	32	03·2	+6	SW	6	c-bc	59	92	57	7	5	-	-	7-8	7-8	4000
	Plymouth	86	07·1	+30	WNW	5	Z_0	58	92	56	6	5	-	-	2-3	2-3	1500
	The Lizard	240	08·3	+30	WNW	6	bc	58	97	57	7	8	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	09·8	+26	NW'W	5	bc	58	85	54	7	5	-	-	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	05·6	+20	NNW	4	bcq	60	85	56	8	8	-	-	1	4-6	2500
7	Holyhead (Valley)	32	03·3	+10	NW	3	c	58	92	55	7	5	-	-	10	10	1100
	Chester (Sealand)	16	01·8	+6	NNW	1	bc	57	92	55	6	5	-	-	4-6	4-6	1800
8	Manchester	230	02·1	+10	NW	1	Z_0	50	85	48	5	-	-	-	0	0	-
10	Spurn Head	29	01·9	0	SW	3	c-bc	60	85	55	7	7	-	-	7-8	7-8	2500
	Catterick (Sc)	192	02·5	+14	NNE	4	RR	58	97	58	4	5	2	-	7-8	10	600
	Tynemouth	108	04·3	+14	NE	5	c/r	56	92	54	7	6	-	-	10	10	1500
11	St. Abbs Head	280	07·9	+6	NNE	4	c-bc	54	85	48	7	5	-	-	7-8	7-8	1500
	Leuchars	36	09·0	+2	-	0	c/r	53	85	47	7	5	2	-	4-6	10	2700
12	Renfrew (Abbots I.)	19	09·2	+10	NE	1	c	52	85	47	7	5	-	-	9+	9+	3000
	Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Point of Ayre	30	04·1	+6	ENE	6	ir_0	56	92	53	6	8	-	-	10	10	1500
13A	Tiree	44	10·7	+12	NE	3	b-bc	53	85	47	8	5	-	-	2-3	2-3	2000
13B	Stornoway	12	14·0	+2	NNE	5	c	53	85	46	7	5	-	-	10	10	1800
15	Dalwhinnie	1176	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Aberdeen †	79	09·6	-6	NNW	3	c	52	85	49	8	5	-	-	9+	9+	3600
	Wick	114	11·9	-2	NE	4	c	52	92	49	8	5	-	-	10	10	3000
16	Sumburgh	19	11·2	-6	N	4	c-bc	52	85	48	8	5	-	-	7-8	7-8	2500
17	Blacksod Point	18	12·2	+18	N'E	5	id_0	56	97	55	7	6	2	-	4-6	10	1500
18	Malin Head	84	09·9	+18	NE'N	3	r_0/r_0	54	85	50	7	-	2	-	10	10	800
	Aldergrove	268	08·9	+26	NE	3	c/r	54	85	49	7	5	-	-	9+	9+	2500
19	Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20	Valentia Obsy.	30	13·0	+18	NNW	5	ir_0	58	97	57	7	5	-	-	10	10	1500
	Roches Point	22	09·2	+22	NW	5	b	57	92	55	8	5	-	-	1	1	2500

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

Stations	Barom. at M.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)	04·9	+36	NW'W	3	c	59	85	55	7	5	3	-	7-8	9	2500	1	•
Croydon	05·1	+38	W	3	c/pr	57	97	56	6	9	-	-	7-8	9+	1000	1	•
S. Farnborough	05·7	+36	NW	3	c	58	85	55	7	5	-	-	9+	9+	900	1	•
Boscombe Down	07·1	+26	W'N	3	b	57	92	55	7	-	7	-	0	1	-	1	•
Thorney Island	06·4	+34	W'N	4	c-bc	59	85	65	8	5	3	3	1	7-8	1500	0	•
Lympne	03·6	+32	WNW	4	c/pr	56	97	56	6	8	-	-	7-8	10	600	1	§4
Manston	02·2	+14	NW'W	3	pr	58	97	58	7	2	6	-	7-8	9+	800	1	•
Shoeburyness	03·8	+12	NNW	3	Z_0	58	92	56	6	5	7	-	7-8	9	4000	1	•
Felixstowe	01·6	+14	NW	3	c	57	97	56	7	5	-	-	9+	9+	2500	1	3
Gorleston	01·7	-2	NE'N	3	c-bc/r	58	92	55	7	8	-	-	7-8	7-8	1000	1	3
Mildenhall	03·2	+22	WNW	3	Z_0	56	97	54	6	5	-	-	9	9+	800	0	•
Cranwell	04·3	-22	NW	3	F	56	97	56	3	-	-	-	10	10	<150	1	•
Birmingham	06·7	+26	NW	4	Z_0	56	92	54	5	5	-	-	10	10	450	1	•
Upper Heyford	05·0	+32	NW	3	Z_0	57	92	55	6	5	-	-	7-8	10	400	1	•
Ross-on-Wye	06·7	+20	W'S	2	b-bc	59	85	54	8	8	4	1	1	2-3	3500	1	•
Hartland Point	09·6	+30	NNW	5	bc	59	85	55	7	2	4	-	2-3	4-6	2000	1	5
Bristol	07·5	+26	WNW	6	b-bc	60	85	55	7	5	4	-	2-3	2-3	2500	1	•
Portland Bill	07·4	+22	W	6	ir	61	92	59	7	5	-	-	10	10	2500	1	4
Plymouth	10·3	+22	NW	4	ir_0	60	92	59	6	5	-	-	9+	9+	1000	1	3
The Lizard	11·5	+20	NW	5	c-bc	59	92	57	7	2	6	-	7-8	7-8	2500	0	4
Scilly (St. Mary's)	13·2	+22	NW'W	5	c	60	92	57	7	8	6	-	7-8	9+	1200	1	4
Guernsey																	
Pembroke	10·7	+30	N	5	cq	57	92	54	7	8	2	-	7-8	10	2000	1	3
Holyhead (Valley)	09·8	+38	N'E	4	c	57	85	51	8	5	7	-	4-6	9+	1900	1	2
Chester (Sealand)	07·4	0	NNW	2	c	57	85	52	6	5	7	-	7-8	10	2500	1	•
Manchester	06·8	+28	N'W	3	pr	55	85	52	6	8	-	-	7-8	10	1500	1	•
Spurn Head	03·8	+18	NNW	4	F	57	97	57	1	-	-	-	10	10	<150	0	3
Catterick (Sc)	07·9	+30	NNW	3	c/r	53	92	51	7	5	-	-	7-8	10	600	1	•
Tynemouth	07·7	+24	N	5	c/r	55	85	49	7	-	2	-	9+	9+	1500	1	4
St. Abbs Head	08·6	+8	N	5	bc	53	85	48	7	5	4	-	4-6	4-6	2500	0	5
Leuchars	10·4	0	NW	3	bc	56	85	50	9	-	3	-	0	4-6	-	0	•
Renfrew (Abbots I.)	11·0	+12	-	0	c	53	85	48	8	5	2	-	9	10	4500	1	•
Eskdalemuir	09·0	+10	N'E	4	c	51	75	45	8	5	3	-	7-8	9	1500	0	
Point of Ayre	09·9	+28	NEN	3	b-bc	56	85	50	8	5	-	-	2-3	2-3	2000	1	4
Tiree	12·9	+12	NE	3	c-bc	57	85	53	9	2	3	-	2-3	7-8	1500	1	3
Stornoway	14·6	0	NNE	4	ir_0	51	85	47	8	5	-	-	10	10	900	1	2
Dalwhinnie	12·0	+6	NE	3	o	47	85	43	8	5	-	-	10	10	1500	0	•
Aberdeen †	09·9	+6	NNW	3	c	53	85	49	8	5	3	-	9	9+	1500	0	2
Wick	12·6	+6	NNE	3	id_0	52	92	50	8	5	7	-	9	10	2000	0	•
Sumburgh	11·4	0	N'E	5	bc	55	75	49	8	8	-	1	4-6	4-6	1500	0	3
Blacksod Point	15·9	+20	N'W	4	c/d	56	85	52	7	6	-	-	10	10	1500	1	3
Malin Head	12·1	+18	N	3	c	55	75	47	8	5	-	-	10	10	1500	1	2
Aldergrove	12·5	+12	NWN	1	c/pr	59	92	56	8	5	-	-	9+	9+	3500	1	•
Birr Castle	13·1	+24	NNW	1	id	56	92	54	7	5	-	-	10	10	800	0	•
Valentia Obsy.	17·6	+26	N'W	3	c	57	85	53	8	8	-	-	10	10	1500	1	3
Roches Point	14·1	+32	N	5	c	55	85	51	8	8	-	-	9+	9+	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 5th Hrs. (38)
London (Kew)	68	57	54	Tr	4	4·4
Croydon	71	56	55	0·2	9	5·8
S. Farnborough	68	55	50	0·3	7	6·0
Boscombe Down	67	55	53	3	3	3·6
Thorney Island	67	56	54	0·1	4	•
Lympne	67	54	52	1	6	4·5
Manston	70	55	53	2	4	5·4
Shoeburyness	74	56	56	1	12	5·6
Felixstowe	73	57	55	7	9	6·0
Gorleston	67	57	54	0·3	0·3	4·3
Mildenhall	72	52	41	5	Tr	4·2
Cranwell	69	51	46	5	Tr	3·7
Birmingham	66	53	50	1	0·5	3·3
Upper Heyford	68	53	52	0·1	0·6	•
Ross-on-Wye	67	54	49	3	14	3·0
Hartland Point	60	56	56	7	1	3·3
Bristol	66	55	51	4	2	3·3
Portland Bill	62	58	•	0·2	3	•
Plymouth	61	57	53	3	5	3·5
The Lizard	61	56	•	2	-	6·0
Scilly (St. Mary's)	61	57	•	2	-	4·2
Guernsey						
Pembroke	61	66	•	9	2	4·2
Holyhead (Valley)	69	55	52	4	0·3	•
Chester (Sealand)	72	56	47	1	3	4·7
Manchester	68	49	41	1	0·2	•
Spurn Head	69	55	•	2	-	2·9
Catterick (Sc)	63	52	52	16	9	0·0
Tynemouth	59	55	53	3	29	•
St. Abbs Head	56	52	•	13	Tr	•
Leuchars	55	51	41	4	Tr	0·0
Renfrew (Abbots I.)	58	46	46	3	0·1	0·0
Eskdalemuir	58	49	48	8	4	0·0
Point of Ayre	59	55	•	2	15	0·0
Tiree	60	52	48	0·1	-	
Stornoway	54	49	49	4	Tr	0·0
Dalwhinnie	52	45	42	Tr	Tr	0·0
Aberdeen †	57	52	50	-	Tr	0·1
Wick	56	51	50	-	Tr	•
Sumburgh	55	49	45	-	Tr	0·8
Blacksod Point	63	55	•	-	0·5	•
Malin Head	58	53		4	0·3	0·0
Aldergrove	63	51	50	0·2	10	2·5
Birr Castle	66	56	54	2	0·1	2·9
Valentia Obsy.	62	56	55	0·3	1	4·4
Roches Point	64	56	•	2	-	•

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 5th August $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 6th August $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
109	8-	02858	05528	5-	02867	04427	5-	02748	01528	82	81746	32588
115				52	14845	75628	52	02945	08428	32	81844	32487
203							5-	02848	04428			
206	5-	61857	39567	57	02856	39567	5-	02858	32328	7-	02862	32228
210	87	02855	05427	5·	02867	04427	5-	22844	02368	5-	62868	31568
219	57	02843	06668	57	52865	05658	57	02855	04458	51	02854	02368
230	57	02956	04467	52	02855	04367	52	02856	02368	54	01962	00014
245	57	62853	39568	57	61852	38468				57	02954	30325
260	5-	62628	08468	5-	05538	04328	5-	45238	04348	5-	01764	24424
278	62	52725	08258	62	62825	04268	57	61857	64468	80	02856	24216
279	52	22655	08568	52	62645	04668	52	62645	32568	57	02854	02465
285										27	02745	26427
288	52	21745	08358	52	22635	06368	5-	67238	30468	62	64426	01468
576	20	01863	31215	86	02854	32326	5-	05648	32258	5-	51648	01158
301	87	22754	28265	23	02854	02225	04	05690	31114	57	22855	01467
321	87	22745	20267	26	02763	18185	50	05664	00064	5-	02738	32548
290	5-	62628	10368				50	02744	12214	5-	64638	32468
292	57	22645	10367	57	05653	00026	--	48209	02249	62	63727	65468
310	-	01635	20315									
614				76	61655	18127	5-	05554	00024	5-	05538	31328

III	13h. G.M.T. 5th August $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 6th August $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
388	86	25765	13487	26	02964	32466	52	21744	24257	52	05646	30428
334	--	02643	26114									
340	87	02954	16286	87	25655	10486	50	01761	32181	5-	17648	32428
136	20	01954	16465	86	01863	19385	50	01863	14113	53	02743	30317
336	57	22754	20467		62626	12368				57	02754	28316
350	24	02855	20366	86	81744	16487	5-	25656	10186	53	05634	26387
368	52	61644	22368	62	64748	22368	50	05644	25414	5-	05644	28288
379				96	25735	49587						
390	87	05656	16387	87	25654	16385	5-	61546	16256	5-	05547	26227
382	86	02855	20325	8-	81846	19486	5-	61645	00067	5-	25867	28387
438	80	01754	21684	57	02745	22616	8-	14548	22688	85	02745	23367
430	2-	02856	54416	63	81546	53687	5-	82648	54587	53	02734	25325
409	5-	02747	53767	8-	02735	57667	50	02753	25423	62	62626	61428

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

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	ir_0cbcy	cpr_0bcc	cr_0rm_0c
Croydon	cpr_0bcy	$bcypr_0$	$cepr_0m_0$
Greenwich	cp	cpr	pcepr hrc
Camden Square	bc	bc	•
Kensington	bcp	cprbc	•
Hampstead	bcp	bcor	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. 6th Max. Time 0·1 6-7h. Min. Time <0·1 rest of period

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	68	57	54	Tr	4	4·4	•	•
Croydon	71	56	55	0·2	9	5·8	•	•
Greenwich	73	56	52	0·5	13·9	5·9	47	77
Westminster	70	58	56	5	1	*	55	84
Regents Park	71	57	55		5·2	*	49	81
Camden Square	71	57	55	-	5·3	•	•	81
Kensington	72	57	54	Tr	5·9	*	80	83
Hampstead	70	55	51	Tr	3·7		•	83

Page 1

~~SECRET~~

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

Saturday 7th August 1943

No. 29845

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	10.6	+28	NWW	4	c	64	65	53	7	8	-	-	9+	9+	2500
	Croydon	10.8	+30	NW	4	c	67	65	55	6	9	-	-	4-6	10	1000
	S. Farnborough	11.1	+30	NNW	3	z₀	64	75	55	6	7	4	-	9+	9+	2000
	Boscombe Down	11.6	+24	NNW	4	bc	69	65	54	8	2	7	-	4-6	4-6	2500
	Thorney Island	10.6	+18	WN	4	c	72	55	56	8	8	-	5	7-8	9+	4000
	Lympne	08.8	+24	NWW	3	z₀	68	65	56	6	2	-	-	10	10	2000
	Manston	08.2	+30	NWW	4	z₀	66	65	56	6	8	6	-	9	9+	1800
2	Shoeburyness	09.3	+14	NW	3	r₀r₀	63	85	58	6	5	-	-	10	10	2500
	Felixstowe	07.8	+34	WNW	5	e/ir₀	63	85	58	7	5	2	-	9+	10	1800
	Gorleston	06.1	+28	NNW	3	pr	60	85	56	7	8	-	-	9+	9+	1000
	Mildenhall	09.2	+14	NW	4	id₀	53	92	51	7	5	-	-	7-8	10	800
	Cranwell	19.3	+42	NNW	5	cr	57	85	43	6	5	7	-	7-8	9+	1000
3	Birmingham	12.0	+20	NW	4	z₀	60	85	56	6	5	7	-	9	9+	1500
	Upper Heyford	11.3	+34	NE	3	c	60	75	53	7	5	2	-	9	10	1000
4	Ross-on-Wye	12.5	+30	N	3	c	63	65	52	8	7	3	-	7-8	9	3500
5	Hartland Point	15.5	+26	NNW	4	c	60	85	54	8	2	6	5	4-6	9	1800
	Bristol	12.9	+32	NNW	3	c	65	75	55	8	8	6	-	7-8	9+	2500
	Portland Bill	11.9	+20	WNW	5	c	65	92	61	8	5	4	-	4-6	10	4000
	Plymouth	15.3	+30	NNW	4	c	62	85	57	8	5	-	2	7-8	9	2000
	The Lizard	16.0	+16	NW	4	c	61	85	58	7	5	-	-	10	10	1500
	Scilly (St. Mary's)	17.9	+26	NW	4	e	64	75	57	7	8	-	-	9+	9+	1500
	Guernsey															
6	Pembroke	15.9	+24	NNW	4	c-bc	61	85	53	7	8	7	-	4-6	7-8	2500
7	Holyhead (Valley)	14.5	+28	NNW	4	c	60	85	55	8	7	7	-	4-6	9+	2000
	Chester (Sealand)	12.6	+22	NNW	5	e-bc	61	65		8	7	7	-	7-8	7-8	3500
8	Manchester	12.0	+20	NNW	2	c	61	65	50	7	2	-	-	9+	9+	2000
10	Spurn Head	09.4	+28	NNW	7	bc	60	75	50	7	2	3	-	4-6	4-6	1500
	Catterick (Sc)	10.9	+16	N	4	c	61	65	50	8	5	-	-	9	9	2000
	Tynemouth	11.5	+20	N	6	c-bc	57	85	49	7	8	-	-	7-8	7-8	2200
11	St. Abbs Head	11.5	+20	N	4	bc	55	85	48	8	2	6	-	2-3	4-6	3000
	Leuchars	12.3	+10	NW	3	c	60	65	48	9	8	-	-	9	9	2500
12	Renfrew (Abbots I.)	12.6	+4	W	1	c-bc	63	55	47	9	7	7	-	4-6	7-8	3000
	Eskdalemuir	12.2	+14	NE	2	c	58	65	45	8	5	-	-	9+	9+	2500
	Point of Ayre	13.6	+14	NNW	4	c	60	75	51	8	5	2	-	9	10	5000
13A	Tiree	15.3	+8	NNE	4	c-bc/r	57	85	53	9	2	3	-	4-6	7-8	2000
13B	Stornoway	15.9	+6	NNE	4	c/d	53	85	48	8	8	6	-	7-8	10	1800
15	Dalwhinnie		+6	N	3	c	53	65	43	8	5	7	-	7-8	10	2500
	Aberdeen	12.2	+12	N	4	c	57	65	45	8	5	3	-	7-8	9+	1500
	Wick	13.6	+6	NNE	3	c	56	85	50	8	8	7	-	7-8	9+	2500
16	Sumburgh	11.9	+4	NNE	4	c-bc	57	65	47	9	8	-	3	7-8	7-8	1500
17	Blacksod Point	18.9	+10	NNW	5	c-bc	61	75	53	8	-	-	7	7-8	7-8	2500
18	Malin Head	15.2	+14	N	3	c-bc	57	65	46	8	2	4	-	4-6	7-8	2500
	Aldergrove	14.8	+12	NNW	3	c	58	75	50	9	5	-	-	9+	9+	3000
19	Birr Castle	16.5	+14	NNW	2	c	62	65	50	8	8	1	-	7-8	10	1500
20	Valentia Obsy.	20.6	+12	NW	5	c-bc	61	75	53	8	8	-	4	7-8	7-8	2500
	Roches Point	17.4	+10	N	5	c	63	75	55	8	8	-	-	9	9	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	14.6	+18	NWN	2	z₀	63	65	52	6	5	-	-	10	10	2500	0	*
Croydon	14.9	+22	NW	2	z₀	63	75	53	6	5	-	-	7-8	10	2000	0	*
S. Farnborough	14.7	+18	NNW	2	z₀	63	65	52	6	5	7	-	7-8	9+	4000	1	*
Boscombe Down	14.9	+18	NNW	2	c	65	65	53	7	4	7	-	7-8	9+	2000	0	*
Thorney Island	14.3	+20	NNW	3	bc	66	65	54	7	7	-	2	2-3	4-6	4000	0	*
Lympne	14.0	+32	NNW	3	z₀	60	75	53	6	5	6	-	9	9	3000	1	§
Manston	12.7	+24	NWN	3	c	61	75	53	7	8	-	-	10	10	1800	1	*
Shoeburyness	13.8	+14	WNW	3	c	61	75	54	7	5	-	-	9+	9+	4000	1	*
Felixstowe	12.4	+22	NWW	3	c	62	75	55	7	5	2	-	7-8	10	1500	1	4
Gorleston	10.7	+14	NWN	5	bc	60	65	49	7	8	-	-	4-6	4-6	1500	0	4
Mildenhall	13.0	+18	WNW	3	c	62	75	52	8	5	-	-	7-8	9+	1500	1	*
Cranwell	13.5	+22	NNW	3	c	61	65	47	7	5	-	-	2-3	10	1000	1	*
Birmingham	14.8	+12	NW	4	c-bc	61	75	53	8	5	7	-	7-8	7-8	1500	1	*
Upper Heyford	14.0	+16	NNW	3	c	63	75	52	7	5	-	-	9+	9+	4000	0	*
Ross-on-Wye	14.9	+14	NNW	2	c	64	65	53	8	5	3	-	9	9+	3000	1	*
Hartland Point	17.4	+12	WNW	4	c-bc	60	85	54	8	2	7	-	2-3	7-8	1500	1	4
Bristol	15.4	+10	WNW	2	c	64	75	57	8	8	-	2	7-8	9+	2500	0	*
Portland Bill	15.0	+6	W	4	c-bc	64	85	61	8	5	-	-	7-8	7-8	4000	1	5
Plymouth	17.8	+14	NNW	3	c-bc	62	85	56	7	7	-	-	7-8	7-8	2500	1	2
The Lizard	18.4	+8	NW	4	c	61	85	57	8	5	3	-	7-8	9+	2000	0	3
Scilly (St. Mary's)	19.7	+14	NWW	4	c	61	85	55	8	8	7	-	7-8	9	1800	1	4
Guernsey																	
Pembroke	18.2	+10	NWN	2	c/pr	58	97	52	7	8	7	-	7-8	9+	2500	1	2
Holyhead (Valley)	16.8	+8	NW	2	c	59	85	55	8	7	7	-	4-6	9+	2000	1	2
Chester (Sealand)	15.5	+16	NW	4	c	60	65	48	8	5	-	-	10	10	3500	0	*
Manchester	15.0	+18	WNW	4	c	59	65	52	8	2	6	-	4-6	9+	2500	0	*
Spurn Head	12.9	+14	NW	6	bc	60	65	48	7	7	3	-	4-6	4-6	2500	0	3
Catterick (Sc)	13.7	+14	N	3	c	60	65	49	8	5	7	-	7-8	10	2000	1	*
Tynemouth	14.3	+16	N	5	c	56	85	50	7	8	-	-	9	9	2200	1	3
St. Abbs Head	13.0	+4	NW	2	c	56	75	48	7	5	6	-	7-8	9+	3000	0	3
Leuchars	14.1	+10	-	0	c	59	65	49	9	5	-	-	10	10	3000	0	*
Renfrew (Abbots I.)	13.6	+6	NNW	1	bc	63	55	48	9	8	3	1	4-6	4-6	3500	0	*
Eskdalemuir	13.1	+6	-	0	c	59	75	50	8	5	-	-	9+	9+	2100	0	*
Point of Ayre	15.2	+6	NNW	4	c	58	75	50	8	5	-	-	9+	9+	5000	0	4
Tiree	16.6	+8	NNW	3	c-bc	56	75	48	9	7	3	4	4-6	7-8	2500	1	2
Stornoway	16.9	+10	NNE	3	c	53	75	45	8	8	3	2	4-6	9	1800	0	2
Dalwhinnie		+6	NNW	2	c	51	85	45	8	5	6	-	7-8	9+	1500	1	*
Aberdeen	14.0	+14	N'W	4	c-bc	56	65	45	8	7	-	-	2-3	7-8	2500	0	3
Wick	15.2	+16	NW	3	c	54	85	50	9	8	7	-	7-8	9+	3000	0	*
Sumburgh	13.3	+8	NWN	3	c/pr	55	75	48	9	8	4	-	4-6	9	2000	0	4
Blacksod Point	19.8	+6	NW	3	c-bc	58	65	46	8	8	5	4	2-3	7-8	2500	1	3
Malin Head	16.7	+6	N'W	3	pr	55	85	50	8	2	4	-	2-3	4-6	2500	1	2
Aldergrove	16.7	+10	WNW	4	c	56	75	48	9	5	-	-	10	10	4000	1	*
Birr Castle	18.2		WNW	2	c	60	75	52	8	5	1	-	7-8	9+	2500	0	*
Valentia Obsy.	22.2	+8	WNW	3	c	58	75	50	8	2	-	6	2-3	9+	2500	1	3
Roches Point	19.8	+14	N'W	5	bc	63	75	55	8	5	-	5	2-3	4-6	2500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 6th (39)	Weather 13h.—18h. 6th (40)	Weather 18h. 6th to 1h. 7th (41)	Weather 1h.—7h. 7th (42)
London (Kew)	cz₀c	ccz₀	cbcbz₀b	bcm₀c
Croydon	cz₀	cz₀	czbz₀	cm₀cz₀
S. Farnborough	ccz₀	cz₀	cbczcm₀	cm₀c
Boscombe Down	cbc	bcc	cbcc	c
Thorney Island	c	cycbc	cm₀cpr₀c	c
Lympne	cprm₀cm₀	cz₀	cm	cm₀
Manston	cpr₀prcm₀	cz₀ir₀c	bccm₀d₀	bccm₀
Shoeburyness	cm₀rr r₀r₀	cr₀r₀c	cpr₀m₀c	cpr₀m₀c
Felixstowe	ccpr₀cir₀	cir₀c	c	cbcm₀c
Gorleston	cpr₀c	cpr₀gbc	b	c
Mildenhall	cir₀m₀	cid₀c	c	ccm₀
Cranwell	bir₀ir₀m₀c	cm₀c	c	ccm₀
Birmingham	pr₀cz	cbcc	c	c
Upper Heyford	cm₀	cm₀	cm₀	cm₀occ
Ross-on-Wye	bccbc	cbcc	cc	cc
Hartland Point	bcc	cbcc	cbc	bcc
Bristol	bbccpr₀c	ccprc	cbc	bccbccw
Portland Bill	c	c	c	c
Plymouth	cprm₀c	c	cbc	bcm₀wc
The Lizard	bcprc	c	cbcw	bccw
Scilly (St. Mary's)	cir₀c	cp₀c	cbc	bcwc
Guernsey				
Pembroke	c	pr₀c	cbcc	bccd₀r₀
Holyhead (Valley)	c	c	cbc	cr₀r₀
Chester (Sealand)	cr₀d₀dm₀	bbcc	cpr₀	c
Manchester	pr₀id₀c	cbcz₀c	id₀cm₀w	cm₀cw
Spurn Head	bcq	bc	c	c
Catterick (Sc)	c	c	c	cm
Tynemouth	bcc	c	cm₀	cm₀
St. Abbs Head	bccbc	bcc	cbcc	c
Leuchars	bcc pr₀c	cycc	c	cwc
Renfrew (Abbots I.)	cbc	bccy	bcycbccbcw	bcyir₀
Eskdalemuir	c	c		r₀ir₀
Point of Ayre	bcc	c	cb	ir₀c
Tiree	cprc	cbcc	cbc	cir₀cr₀r₀m₀
Stornoway	cir₀id₀c	c	cbc	bcccir₀
Dalwhinnie	o	oc		coir₀
Aberdeen	c	c	cbcc	cid₀c
Wick	cide	c	cbcb	bbc
Sumburgh	cbc	c, pr₀	bcc	cwbcb
Blacksod Point	c	bc	r	r
Malin Head	c	pr	r	r
Aldergrove	c	c	bcc	cir₀r₀m₀
Birr Castle	d	c		r
Valentia Obsy.	r	bc	r	r
Roches Point	c	bc	bc	r

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Moderate westerly winds; cloudy, occasional rain mainly slight spreading from west, some bright intervals tomorrow; rather cool becoming warmer.
4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands	Moderate westerly winds; cloudy with some rain at first, becoming fair apart from coastal and hill drizzle in the west; rather cool becoming warmer.
10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland	Moderate west winds; cloudy with rain at times; rather cool.
13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate to fresh southwest or south winds, veering westerly; belt of rain moving east across these areas, followed by bright intervals and showers, rather cool.
16 Orkneys and Shetlands	Light variable winds becoming moderate easterly; fair at first, rain later, rather cool.
17 N. W. Ireland; 18 N. E. Ireland	As 10-13A.
19 S. E. Ireland; 20 S. W. Ireland	Moderate westerly winds; cloudy with local rain or drizzle, mainly ~~slight; rather cool.~~

GENERAL INFERENCE

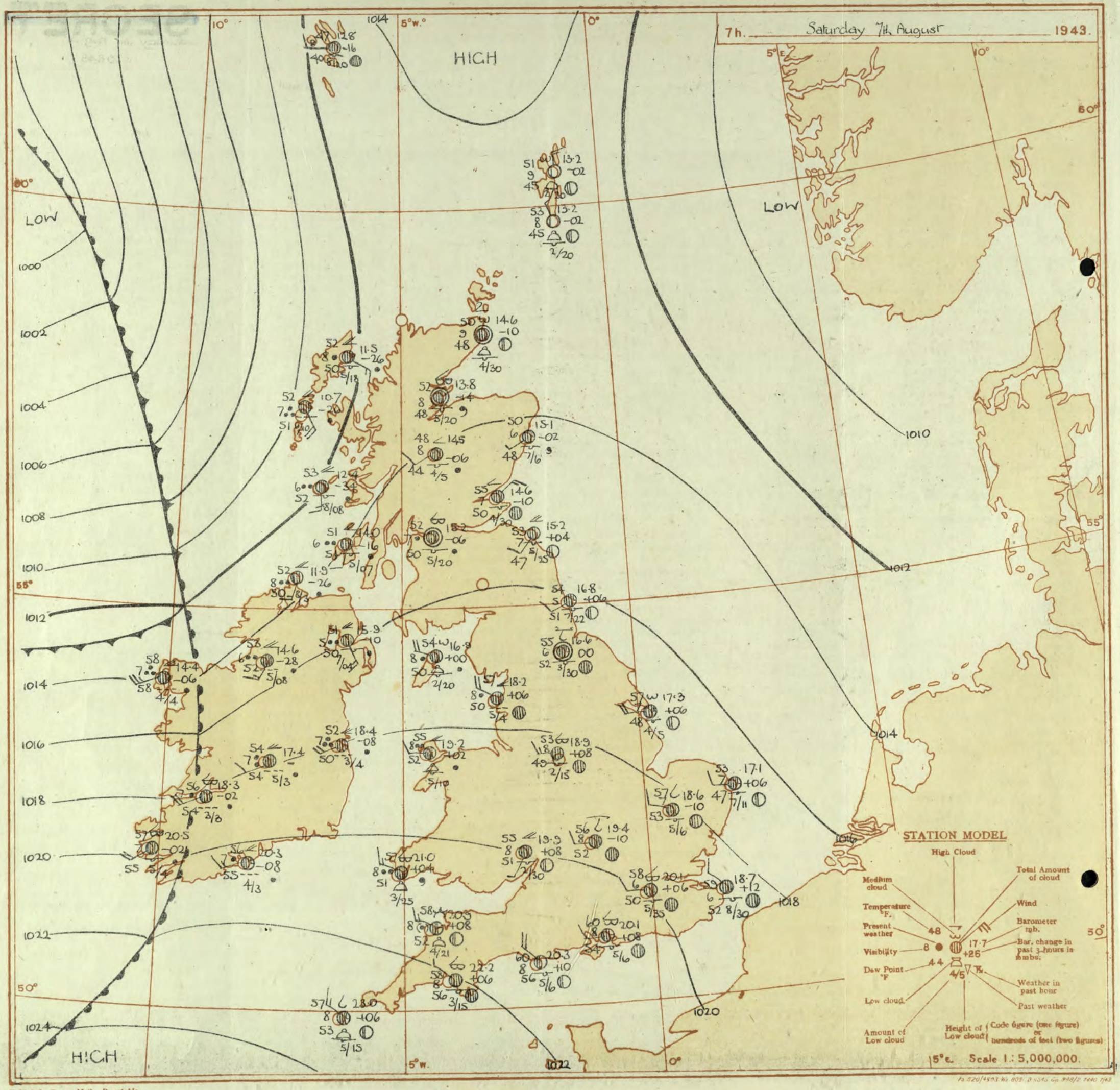
A depression is centred near Iceland, and associated troughs are moving east across the British Isles. There will be some rain in all districts, but amounts are expected to be mainly small in the South. It will be generally rather cool, but will become warmer in the South.

FURTHER OUTLOOK

Unsettled westerly type, with rain at times in most districts.

Forecasts issued at 1030.

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

Page 4. BRITISH SECTION

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

Saturday 7th August 1943

No. 29843

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon	290	18.9	+14	NW	1	z0	55	75	49	5	5	-	-	Tr	Tr	2500
	S. Farnborough	226	18.5	+14	W'N	1	z0	57	85	51	5	5	-	-	10	10	5700
	Boscombe Down	417	18.9	+10	WNW	1	c	57	85	53	7	5	-	-	10	10	4200
	Thorney Island	10	18.5	+14	SW	1	c	61	85	57	7	8	-	-	10	10	6500
	Lympne	283	18.0	+14	NW	1	z0	56	92	54	6	-	-	-	0	0	-
	Manston	154	17.1	+14	-	0	z0	55	75	49	5	5	-	-	Tr	Tr	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	16.7	+14	WNW	1	c-bc	49	75	50	7	5	-	-	7-8	7-8	1600
	Gorleston	5	15.3	+20	WNW	2	b-bc	52	75	46	7	5	-	-	2-3	2-3	800
	Mildenhall	15	17.0	+10	WNW	1	c	55	85	51	7	5	-	-	10	10	4500
	Cranwell	203	17.2	+10	NW	1	c	55	85	51	7	5	-	-	10	10	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17.8	+8	NW	2	z0	56	85	50	6	5	-	-	10	10	3100
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	19.9	+6	WNW	3	b-bc	59	75	52	8	1	-	-	2-3	2-3	2500
	Bristol	209	19.4	+10	W'N	2	bc	57	85	52	7	5	-	-	4-6	4-6	3400
	Portland Bill	32	19.0	+10	W	4	bc	59	85	55	7	5	-	-	4-6	4-6	4000
	Plymouth	86	21.0	+6	NW'W	2	b-bc	57	97	56	7	5	-	-	2-3	2-3	3000
	The Lizard	240	21.2	+8	NW	3	bc	56	97	55	8	2	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	22.3	-4	NW	3	bc	57	92	54	7	8	-	-	2-3	4-6	1800
	Guernsey	175															
6	Pembroke	142	20.4	+8	NW	3	b-bc	58	85	52	8	1	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	18.9	+6	-	0	bc	[illegible]	85	49	8	-	3	-	0	4-6	-
	Chester (Sealand)	16	17.7	+6	WNW	2	c	57	85	52	7	5	-	-	10	10	4100
8	Manchester	230	17.2	+2	WSW	2	z0	54	92	52	6	5	-	-	10	10	2500
10	Spurn Head	29	16.3	+10	NW'W	4	c	56	75	48	7	7	-	-	9+	9+	2500
	Catterick (Sc)	192	16.3	+6	N	1	z0	53	92	51	6	5	-	-	10	10	2500
	Tynemouth	108	16.7	+6	NNE	1	c-bc	54	85	48	7	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	15.0	+6	N	1	c-bc	53	75	47	7	5	-	-	7-8	7-8	4000
	Leuchars	36	15.8	+2	-	0	c	53	85	49	8	5	7	-	7-8	10	4500
12	Renfrew (Abbots I.)	19	15.9	+6	SW	2	bc	50	85	47	8	5	-	-	4-6	4-6	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	16.9	+4	NW'N	5	b	55	85	51	8	2	-	-	1	1	3000
13A	Tiree	44	16.3	-8	SW	2	bc	49	92	47	9	5	3	-	2-3	4-6	2000
13B	Stornoway	12	15.8	-12	ENE	1	bc	50	85	44	8	5	-	-	4-6	4-6	3300
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	15.8	+4	WNW	1	b-bc	47	92	45	9	5	-	-	2-3	2-3	4500
	Wick	114	15.4	-2	-	0	b-bc	44	97	44	7	5	-	-	2-3	2-3	2500
16	Sumburgh	19	13.9	+2	NW'N	3	b-bc	48	85	45	8	5	-	1	2-3	2-3	2000
17	Blacksod Point	18	17.2	-18	SSW	3	++	55	92	53	7	6	2	-	4-6	10	1500
18	Malin Head	84	16.4	-8	SSW	2	c	53	85	49	9	4	-	-	10	10	2500
	Aldergrove	268	18.4	0	WNW	1	c	51	92	49	8	5	-	-	9+	9+	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21.7	-6	SW'S	3	ir0	55	85	51	8	5	2	-	4-6	10	1500
	Roches Point	22	22.0	+6	W'N	3	c	55	92	53	8	8	-	-	9	9	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	19.8	+8	WSW	1	c	59	75	51	7	5	7	-	9	9+	4000	0	*
Croydon	20.1	+6	W	2	c	58	75	50	6	5	7	-	7-8	10	3500	0	*
S. Farnborough	20.0	+6	WNW	2	c-bc	58	85	52	8	5	7	8	4-6	7-8	4000	0	*
Boscombe Down	20.4	+6	NW'W	2	c	56	92	53	7	5	7	6	1	9+	5700	0	*
Thorney Island	20.1	+8	W'N	2	c	60	85	54	8	5	7	-	7-8	9	4000	0	*
Lympne	18.8	+2	NW	1	z0	55	92	52	5	5	-	-	10	10	6500	1	§/
Manston	18.7	+12	NW'W	2	z0	59	85	52	6	5	-	-	10	10	3000	1	*
Shoeburyness	19.2	+6	NW	2	z0	58	85	53	6	5	3	-	2-3	10	2500	2	*
Felixstowe	18.5	+12	W'S	2	c	57	85	52	7	5	-	-	10	10	4000	0	2
Gorleston	17.1	+6	W	2	c	53	85	47	7	5	-	-	9+	9+	1100	0	3
Mildenhall	18.6	+10	W'N	2	c	57	85	53	7	5	4	-	7-8	10	4000	0	*
Cranwell	18.0	+6	W	3	z0	55	85	51	6	5	-	-	4-6	10	1000	0	*
Birmingham	19.8	+6	W	2	c	54	85	50	7	5	1	-	2-3	10	4000	1	*
Upper Heyford	19.4	+10	W	2	c	56	85	52	8	-	4	7	0	10	-	0	*
Ross-on-Wye	19.9	+8	SSW	1	c	55	85	51	8	5	2	-	1	10	3000	1	*
Hartland Point	20.9	+8	WNW	3	c/p	58	85	52	8	2	6	-	4-6	9	2100	1	3
Bristol	21.2	+14	W	3	c	56	85	53	7	5	2	-	1	10	5700	0	*
Portland Bill	20.3	+10	NW	4	c-bc	60	85	56	8	5	-	-	7-8	7-8	4000	1	4
Plymouth	22.2	+6	NW'W	1	c	58	92	56	8	5	7	7	2-3	10	1500	1	2
The Lizard	21.9	0	NW	2	c-bx	57	85	53	8	8	1	-	7-8	7-8	2500	0	3
Scilly (St. Mary's)	23.0	+6	NW'W	3	c	57	85	53	8	8	4	-	7-8	9	1500	1	3
Guernsey																	
Pembroke	21.0	+4	WNW	3	r0r0	57	85	51	8	2	7	-	2-3	10	2500	1	2
Holyhead (Valley)	19.2	+2	W	2	r0r0	55	92	52	8	8	2	-	7-8	10	1000	1	1
Chester (Sealand)	18.4	+4	WNW	2	r0r0	56	75	48	7	5	2	-	2-3	10	3000	1	*
Manchester	18.3	+6	W	2	z0	54	85	50	6	5	1	-	2-3	9+	5000	1	*
Spurn Head	17.3	+6	W	4	c	57	75	48	7	5	3	-	4-6	9+	2500	0	3
Catterick (Sc)	16.6	0	-	0	z0	55	92	52	6	5	4	7	2-3	9+	3000	0	*
Tynemouth	16.8	+6	SW	2	z0	54	85	51	5	5	-	-	9+	9+	2200	1	3
St. Abbs Head	15.2	+4	SSW	2	c	53	85	47	7	5	2	-	7-8	10	2500	0	2
Leuchars	14.6	-10	NE	3	c	55	85	50	7	5	1	-	4-6	10	3000	0	*
Renfrew (Abbots I.)	15.2	-6	-	0	ir0	52	92	50	7	5	7	-	7-8	10	2000	0	*
Eskdalemuir	15.6	0	SW	2	ir0	51	85	47	8	5	-	-	10	10	1500	1	*
Point of Ayre	16.9	0	WNW	4	ir0	54	85	50	8	8	3	-	1	10	2000	1	3
Tiree	12.4	-34	S	3	r0r0	53	97	52	6	5	2	-	10	10	800	1	2
Stornoway	11.5	-26	ESE	3	ir0	52	92	50	8	5	2	-	7-8	10	1800	0	3
Dalwhinnie	14.5	-6	SW	2	c	48	85	44	8	5	1	-	4-6	10	2500	1	*
Aberdeen †	15.1	-2	SW	1	c	50	92	48	6	5	-	-	9+	9+	4000	1	1
Wick	14.0	-10	-	0	c-bc	50	92	48	9	8	3	6	4-6	7-8	3000	0	*
Sumburgh	13.2	-2	N'W	1	b-bc	53	75	45	8	8	-	-	1	2-3	2000	1	1
Blacksod Point	14.4	-6	WSW	5	rr	58	97	58	7	6	2	-	4-6	10	1500	1	4
Malin Head	11.9	-26	S'W	3	r0r0	52	92	50	8	-	2	-	10	10	800	1	2
Aldergrove	15.9	-10	S'E	3	r0r0	51	92	50	5	5	2	-	9+	10	400	1	*
Birr Castle	17.9	*	WSW	2	ir	54	97	54	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	20.5	-2	SW	4	c/r	57	92	55	7	5	7	-	7-8	10	1500	1	3
Roches Point	20.3	-8	W'S	3	ir0	56	97	55	7	6	2	-	4-6	9+	800	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Night 18h–7h mm. (37)	Sunshine 6th Hrs. (38)
London (Kew)	66	56	47	-	-	3.4
Croydon	67	53	49	-	-	2.2
S. Farnborough	68	50	50	-	Tr	2.7
Boscombe Down	69	53	50	Tr	-	8.5
Thorney Island	73	57	54	-	Tr	*
Lympne	68	51	46	6	-	3.6
Manston	67	55	52	1	Tr	2.0
Shoeburyness	69	55	54	0.2	Tr	3.2
Felixstowe	67	56	54	0.1	-	2.0
Gorleston	67	49	46	1	-	3.5
Mildenhall	65	54	51	0.5	-	2.0
Cranwell	63	54	53	0.2	-	1.0
Birmingham	62	53	49	Tr	-	1.1
Upper Heyford	64	54	50	-	-	*
Ross-on-Wye	66	53	50	-	-	4.0
Hartland Point	61	57	55	-	-	2.6
Bristol	67	52	42	Tr	-	3.8
Portland Bill	66	58	*	0.3	-	*
Plymouth	63	54	49	0.1	-	
The Lizard	63	53	*	Tr	-	0.6
Scilly (St. Mary's)	65	56	*	0.2	Tr	4.1
Guernsey						
Pembroke	63	55	*	Tr	Tr	1.1
Holyhead (Valley)	64	52	42	-	0.3	*
Chester (Sealand)	63	54	49	0.1	Tr	3.3
Manchester	62	52	49	0.3	Tr	*
Spurn Head	62	55	*	1	-	4.4
Catterick (Sc)	61	52	53	0.1	-	1.8
Tynemouth	58	53	50	-	-	*
St. Abbs Head	58	51	*	-	-	*
Leuchars	62	51	49	Tr	-	3.1
Renfrew (Abbots I.)	67	48	43	-	Tr	4.4
Eskdalemuir	62	48	43	-	17	2.7
Point of Ayre	61	52	*	-	Tr	3.2
Tiree	59	46	44	Tr	8	6.7
Stornoway	55	47	40	Tr	Tr	0.9
Dalwhinnie	54	45	41	-	0.4	0.0
Aberdeen †	61	41	35	-	Tr	1.0
Wick	58	40	36	0.5	-	*
Sumburgh	59	46	37	Tr	-	8.2
Blacksod Point	62	54	*	-	14	*
Malin Head	57	51		Tr	4	4.7
Aldergrove	59	48	43	-	5	0.9
Birr Castle	63	49	46	Tr	4	0.1
Valentia Obsy.	62	55	52	0.6	2	5.5
Roches Point	64	56		-	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 6th August … 18h. G.M.T. / 01h. G.M.T. 7th August … 07h. G.M.T.

III	$C_L C_M$	wwVhNh	DDFWN	$C_L C_M$	wwVhNh	DDFWN	$C_L C_M$	wwVhNh	DDFWN	$C_L C_M$	wwVhNh	DDFWN
109	87	02864	01525	85	02854	30426	5-	01744	27114	80	01863	00014
115	23	02854	32126	23	02854	32126	52	02844	28127			
203	8-	03948	04428									
206	7-	02857	32327	5-	02858	02268	5-	02856	00023	57	02855	00058
210	8-	21847	31527	8-	10958	32228	5-	01964	00014	53	02955	12158
219	87	02855	32327	23	01954	32414	27	01853	00014	62	64746	14468
280	53	01964	32224	73	01964	26224	83	01863	24124	57	62744	14168
245	8-	02955	30327	8-	02967	30227	52	02865	32128	57	22864	20167
260	8-	02756	02318	5-	02668	04328	5-	05556	04126	52	02741	20328
278	77	02954	26325				54	01844	25314	62	52844	20258
279	73	02975	26226	8-	02885	24315				57	62853	26368
285	23	02855	32426							21	03744	26528
288	57	02745	31427	85	05655	01427	53	05653	00028	5-	05655	00028
575	81	02844	32128	80	01864	31324	51	20256	19253	62	62635	18368
301	84	02855	26415	7-	02868	27428	5-	01864	26414	62	61845	26428
321	87	02756	30467				57	05665	00028	57	05664	26227
299	53	01743	28565	54	01754	30414	80	02745	2435	8-	02758	22128
298	57	02755	65426	57	05676	02317	5-	05658	00028	57	02784	24228
310												
614	57	05644	31327	57	05655	30228	5-	05568	27228	51	05653	26228

13h. G.M.T. 6th August … 18h. G.M.T. / 01h. G.M.T. 7th August … 07h. G.M.T.

III	$C_L C_M$	wwVhNh	DDFWN	$C_L C_M$	wwVhNh	DDFWN	$C_L C_M$	wwVhNh	DDFWN	$C_L C_M$	wwVhNh	DDFWN
388				57	02865	28228				52	61744	21268
334	--	02655	24127							--	61557	24168
340	5-	02658	28328	77	02853	28427	5-	02758	00028	51	61764	20228
186	5-	22748	30568	5-	02865	30525	03	01790	24214	5-	05677	25227
336	53	02753	32316	53	02754	28416				62	62635	24368
850	5-	02644	26428	5-	05658	26228	5-	05668	26228	57	02764	22227
368	83	02754	28526	57	02744	28425	50	01753	00013	50	05654	30128
379	5-	95546	28428	7-	05654	28427	5-	02769	30228	57	02772	28328
390	5-	05647	28528	57	05655	28327	50	05567	26227	57	05665	24328
382	5-	05645	30328	57	02855	30227	5-	02768	00028	57	02873	26228
438	87	02755	28516				5-	05558	24218	50	02655	28225
430	20	02855	27415	10	05653	28324	52	05664	30258	57	02765	26126
409	5-	02744	29328	57	21845	29457	50	00761	26311	52	02953	28318

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 7th August
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	cz0c	c cz0	cbz0mc
Croydon	cz0	cz0	cxbcz0
Greenwich	cl0c	c	cbcc
Camden Square	c	c	*
Kensington	cbcc	c	*
Hampstead	bc	c	c

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h
Max. Time 0.1 2-7h. 7th
Min. Time <0.1 12-17h. 6th

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	66	56	47	-	-		*	*
Croydon	67	53	49	-	-		*	*
Greenwich	67	55	49	-	-	2.2	72	71
Westminster	69	57	53	-	-	*	75	75
Regents Park	67	56	51	-	Tr	*	73	72
Camden Square	68	56	52	-	-	*	*	73
Kensington	67	56	51	Tr	Tr	*	73	73
Hampstead	67	56	53	-	-	*	*	74

SECRET

Sunday 8th August 1943

No. 29844

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

BRITISH SECTION

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	20.5	+4	WSW	3	iro	65	57	46	8	8	7	7	9	10	2500
	Croydon	11.6	+2	W	3	c	64	55	45	8	5	2	-	4-6	10	2500
	S. Farnborough	20.6	+2	W'N	3	c	66	55	47	8	7	7	-	4-6	9+	2000
	Boscombe Down	21.1	+6	W'S	3	roro	59	85	53	8	5	7	-	4-6	10	2000
	Thorney Island	21.0	-2	WS	3	c	69	65	53	9	5	7	-	4-6	9	2500
	Lympne	20.0	+2	W	2	id.	66	65	55	7	2	2	-	9	9+	1800
	Manston	19.4	+2	NWW	2	zo	65	65	52	6	2	1	-	4-6	10	3500
	Shoeburyness	19.9	0	W'N	2	c	66	55	50	7	7	-	-	10	10	4000
	Felixstowe	19.4	+4	W'N	4	c	66	55	48	8	1	1	-	2-3	9+	4000
	Gorleston	18.4	+8	W'N	2	c	61	65	49	7	2	-	-	9+	9+	1500
	Mildenhall	19.1	+4	W'N	3	c/r	65	55	49	8	1	1	-	4-6	10	4000
	Cranwell	18.4	+2	W	4	iro	61	75	51	7	7	1	-	2-3	10	1500
3	Birmingham	19.4	0	WSW	4	c/pr	56	92	54	8	6	2	-	7-8	10	1500
	Upper Heyford	19.8	0	W	4	cido	62	65	50	8	4	1	-	7-8	10	3000
4	Ross-on-Wye	20.2	0	W'S	4	c/r	59	75	51	8	5	1	-	Tr	10	3000
5	Hartland Point	21.8	+4	W	4	c	59	75	50	9	2	7	-	2-3	10	2000
	Bristol	21.6	+4	WSW	3	rr	59	85	53	8	5	2	-	7-8	10	1500
	Portland Bill	21.5	+6	W	4	c	63	85	59	8	5	2	-	4-6	10	4000
	Plymouth	23.2	+4	W	3	c/r	62	75	54	9	5	2	-	7-8	10	2500
	The Lizard	23.4	+4	WNW	4	c-bc	62	75	55	8	8	3	-	7-8	7-8	3000
	Scilly (St. Mary's)	23.8	+6	W	4	c	63	75	54	8	8	3	-	4-6	9	1800
	Guernsey															
6	Pembroke	20.5	-8	WN	6	c	59	88	55	8	8	7	-	7-8	10	2500
7	Holyhead (Valley)	17.9	-10	SW	5	roro	57	92	55	7	5	2	-	7-8	10	1000
	Chester (Sealand)	17.7	-10	WSW	3	c/r	60	85	51	8	5	2	-	4-6	10	3000
8	Manchester	17.9	-6	SW	4	roro	57	85	52	8	2	2	-	7-8	10	1500
10	Spurn Head	17.3	0	W'N	5	c	62	65	49	7	7	6	-	7-8	9+	2500
	Catterick (Sc)	15.9	-4	SW	2	iro	58	85	54	7	8	7	-	7-8	10	2000
	Tynemouth	15.9	-8	SW	3	zo	59	75	50	6	8	-	-	9+	9+	2400
11	St. Abbs Head	12.8	-16	SW	4	roro	57	75	49	7	5	2	-	7-8	10	2000
	Leuchars	11.8	-18	S	4	roro	57	85	53	7	8	2	-	4-6	10	1500
12	Renfrew (Abbots I.)	11.2	-22	SW	4	iro	58	92	55	6	5	2	-	7-8	10	1000
	Eskdalemuir	13.2	-16	SW'S	4	roro	53	92	50	4	-	2	-	10	10	800
	Point of Ayre	14.9	-16	W	6	pro	60	92	57	8	8	-	-	10	10	1500
13A	Tiree	09.1	-10	SW	3	roro	58	97	48	6	6	2	-	7-8	10	600
13B	Stornoway	05.4	-18	SSE	6	roro	53	97	53	6	5	-	-	10	10	500
15	Dalwhinnie		-22	WSW	3	iro	51	85	48	6	5	-	-	10	10	1500
	Aberdeen	11.1	-26	S'E	2	c	57	85	51	6	5	2	-	7-8	10	4500
	Wick	10.1	-30	SSE	3	iro	55	97	55	8	5	2	-	4-6	9+	3500
16	Sumburgh	11.1	+14	SSE	3	b-bc	55	65	44	9	8	9	4	1	2-3	5000
17	Blacksod Point	13.6	-8	ESE	4	c/r	60	85	55	7	6	-	-	10	10	1500
18	Malin Head	11.0	-2	W'N	4	rr	58	97	57	7	-	2	-	10	10	800
	Aldergrove	13.8	-6	SW	3	rr	59	92	47	6	5	2	-	9+	10	600
19	Birr Castle	17.0	*	WSW	4	c	61	85	56	8	8	7	-	7-8	9	1500
20	Valentia Obsy.	20.1	-6	SW	5	c	63	75	55	8	7	-	-	9+	9+	4000
	Roches Point	19.7	-6	W	4	bc	63	75	55	8	5	-	5	4-6	4+	1500

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

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)	20.0	0	W'S	3	iro	62	75	56	8	8	7	-	9+	10	2500	0	*
Croydon	20.8	+2	W	4	iro	61	65	51	8	5	7	-	4-6	10	1800	0	*
S. Farnborough	20.3	-2	W'N	3	iro	61	75	53	8	7	7	-	9	10	1600	1	*
Boscombe Down	20.6	-2	W'S	2	iro	60	75	52	8	5	2	-	7-8	10	2000	0	*
Thorney Island	20.5	-2	W'N	3	c	63	75	54	9	5	7	-	Tr	10	2500	0	*
Lympne	19.6	+2	W'N	3	c	63	65	51	8	5	-	3	9+	10	4000	0	§
Manston	19.2	+4	W'S	2	id	64	55	48	8	5	7	-	4-6	10	5000	0	*
Shoeburyness	19.6	0	W	2	c	63	65	52	7	5	-	-	10	10	4000	0	*
Felixstowe	18.9	-10	W'S	3	iro	64	65	52	8	5	2	-	7-8	10	4000	0	4
Gorleston	17.4	-4	W	3	id	52	65	49	7	5	-	-	10	10	1500	1	2
Mildenhall	17.9	-6	WSW	4	iro	62	75	54	8	1	2	-	1	10	2500	0	*
Cranwell	17.0	-2	W'S	4	rr	58	92	56	6	5	2	-	4-6	10	1000	1	*
Birmingham	18.5	-4	SW	4	iro	57	92	55	8	6	2	-	9	10	1500	1	*
Upper Heyford	19.2	-2	W'S	3	iro	59	83	55	8	5	2	-	9+	10	2000	0	*
Ross-on-Wye	19.1	-8	W'S	4	c	59	75	52	8	5	-	-	10	10	2500	1	*
Hartland Point	20.6	-4	WNW	5	c-bc	60	75	52	8	2	-	3	4-6	7-8	2500	0	4
Bristol	20.4	-10	W'S	4	c/d	60	75	53	8	5	7	5	4-6	10	1800	1	*
Portland Bill	20.6	-10	W	4	o	61	85	58	8	5	-	-	10	10	4000	1	4
Plymouth	22.0	-4	W	3	c	63	75	55	9	1	-	2	4-6	9	2500	0	2
The Lizard	22.7	-2	W	4	bc	63	75	56	8	2	9	-	4-6	4-6	3000	0	3
Scilly (St. Mary's)	23.0	-6	WSW	3	c-bc	62	75	55	8	8	-	5	2-3	7-8	1800	0	3
Guernsey																	
Pembroke	19.4	-4	W'S	6	c	60	85	54	8	2	4	-	7-8	9+	2500	0	4
Holyhead (Valley)	16.0	-2	SW	5	ir	59	85	55	7	5	7	-	4-6	10	1200	1	4
Chester (Sealand)	16.8	-4	W'S	3	c/r	59	85	54	8	5	7	-	4-6	10	2500	1	*
Manchester	16.9	-2	SW'W	3	roro	57	97	56	7	6	2	-	7-8	10	1000	1	*
Spurn Head	16.4	-6	WSW	5	roro	60	75	53	7	5	-	-	10	10	2500	1	3
Catterick (Sc)	14.3	-8	SW	3	id	58	92	57	8	5	2	-	4-6	10	2900	1	*
Tynemouth	13.8	-8	WSW	4	id	60	85	56	6	8	-	-	9+	9+	2400	1	3
St. Abbs Head	09.8	-6	SSW	3	rr	57	92	55	6	5	2	-	7-8	10	2000	1	3
Leuchars	08.3	-18	SW	4	c/r	59	92	56	7	3	2	-	7-8	10	1000	1	*
Renfrew (Abbots I.)	09.3	-12	SW'S	3	c/r	59	92	57	7	5	7	-	7-8	9+	1200	1	*
Eskdalemuir	10.7	-18	SW	5	rr	57	92	55	7	-	2	-	10	10	900	1	*
Point of Ayre	11.2	-6	W'S	5	c/r	58	97	57	8	2	5	-	1	10	1500	1	4
Tiree	05.7	-18	SW	4	roro	57	97	57	5	6	2	-	7-8	10	200	1	3
Stornoway	01.3	-22	SSW	7	rr	56	97	55	5	6	2	-	9	10	400	1	5
Dalwhinnie	06.5	-16	SW	4	c	53	85	49	7	5	2	-	7-8	10	2500	1	*
Aberdeen	07.8	-22	SSW	3	rr	54	92	53	6	6	2	-	1	10	1500	1	3
Wick	06.2	-26	SE	3	roro	54	97	54	6	5	2	-	7-8	10	1000	1	*
Sumburgh	07.0	-30	SE'S	4	ir	54	65	44	9	5	2	-	4-6	9+	2500	1	2
Blacksod Point	11.2	-18	SW'S	6	rr	58	97	57	6	-	2	-	10	10	800	1	5
Malin Head	07.6	-22	W	5	pr	58	85	53	7	8	-	-	10	10	800	1	3
Aldergrove	11.8	-16	SSW	3	c/r	59	85	54	8	5	2	-	9	10	1000	1	*
Birr Castle	15.0	*	WSW	4	c	61	75	57	8	5	2	*	7-8	10	2500	1	*
Valentia Obsy.	19.0	-6	SW	5	c	60	85	55	8	5	-	-	9+	9+	4000	1	5
Roches Point	18.4	-6	W	4	bc	63	75	55	9	5	-	5	4-6	4-6	2500	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 7th (39)	13h.—18h. 7th (40)	18h. 7th—1h. 8th (41)	1h.—7h. 8th (42)
London (Kew)	iro ciro	ircir	iroroc	cbc
Croydon	ccy	wcyccir	crobcc	cbcc
S. Farnborough	cirocy	ccir	cirobcbc	cbcwbcc
Boscombe Down	ciro	crc	cirocbcb	bbcc
Thorney Island	cy	ccirc	cirocbcb	cbcc
Lympne	c	cy	cidororoc	c
Manston	czo	cidzy	cydoiroc	bbc
Shoeburyness	cmocy	cyc	cdoc	cbc
Felixstowe	ccmoccy	cycircro cid	cmoc	cbcc
Gorleston	c		cidoproc	cir
Mildenhall	ccyiro	cycirc	crorомocmo	cmoc
Cranwell	cmoc	crcrr	cirorororrmo	cmoc
Birmingham	c	croc	ropc	c
Upper Heyford	ccy	cidcir	cirocmoc	cmoc
Ross-on-Wye	cpo cro	ccpoc	cbc	cbc
Hartland Point	ciromc	c	ebc	bciroc
Bristol	cwirororo	crrcircid	cbcc	cidoc
Portland Bill	c	co	c	c
Plymouth	ciro	c	cbcc	cbcc
The Lizard	cbcc	cbc	bc	bc
Scilly (St. Mary's)	cpoc	cbcc	cbc	bcc
Guernsey				
Pembroke	crrro	c	c	cq
Holyhead (Valley)	croro	crrm	ciroc	croromo
Chester (Sealand)	crrm	crorr	roro iroc	czomoiro
Manchester	croromo	rir	emocdcb	cdcdo
Spurn Head	c	ogsr	orrq	cq roro
Catterick (Sc)	ciromo	c	ciroom	ciroc
Tynemouth	cmo	em id	cmoororo	ororoc
St. Abbs Head	bccro	crc	cmrcirc	crocbc
Leuchars	cmocirocroro	crrcrrm	crmocm	cm.bcv
Renfrew (Abbots I.)	crorоiromo	crrmcrrc	crrdcdc	cmdcdcbc
Eskdalemuir	crorom	orrrrm	orrmmo	drrrocpr
Point of Ayre	iro	RRc	crorr	rrc
Tiree	crororo	crrm	cbc	bccidopr
Stornoway	cirocroromr	crorrr	crrd.bcc	ccr bc
Dalwhinnie	oiro	oir	*	pirbc
Aberdeen	c	oirr	crrcro	cidodo
Wick	c	cror	ccidoc	c, bbcc
Sumburgh	bcybcu	bccvir	roroc	crorrcro
Blacksod Point	r	r	r	c
Malin Head	r	r	r	pr
Aldergrove	croromo	circoc	rrroromo	croromocir
Birr Castle	r	c	*	r
Valentia Obsy.	bc	c	r	d
Roches Point	r	bc	c	d

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 8th August

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	Moderate or fresh westerly winds; cloudy with slight local drizzle; much hill fog in west: cool.
10 N.E. England, 11 S.E. Scotland, 12 S.W. Scotland & Isle of Man	Fresh westerly winds; cloudy with rain at times: cool.
13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Fresh westerly winds, strong locally; bright intervals and scattered showers at first; dull with some more general rain later: cool.
16 Orkneys and Shetlands	As 13A - 15.
17 N. W. Ireland, 18 N. E. Ireland	As 10-12.
19 S. E. Ireland, 20 S. W. Ireland	Fresh westerly winds; cloudy with occasional drizzle: cool.

GENERAL INFERENCE

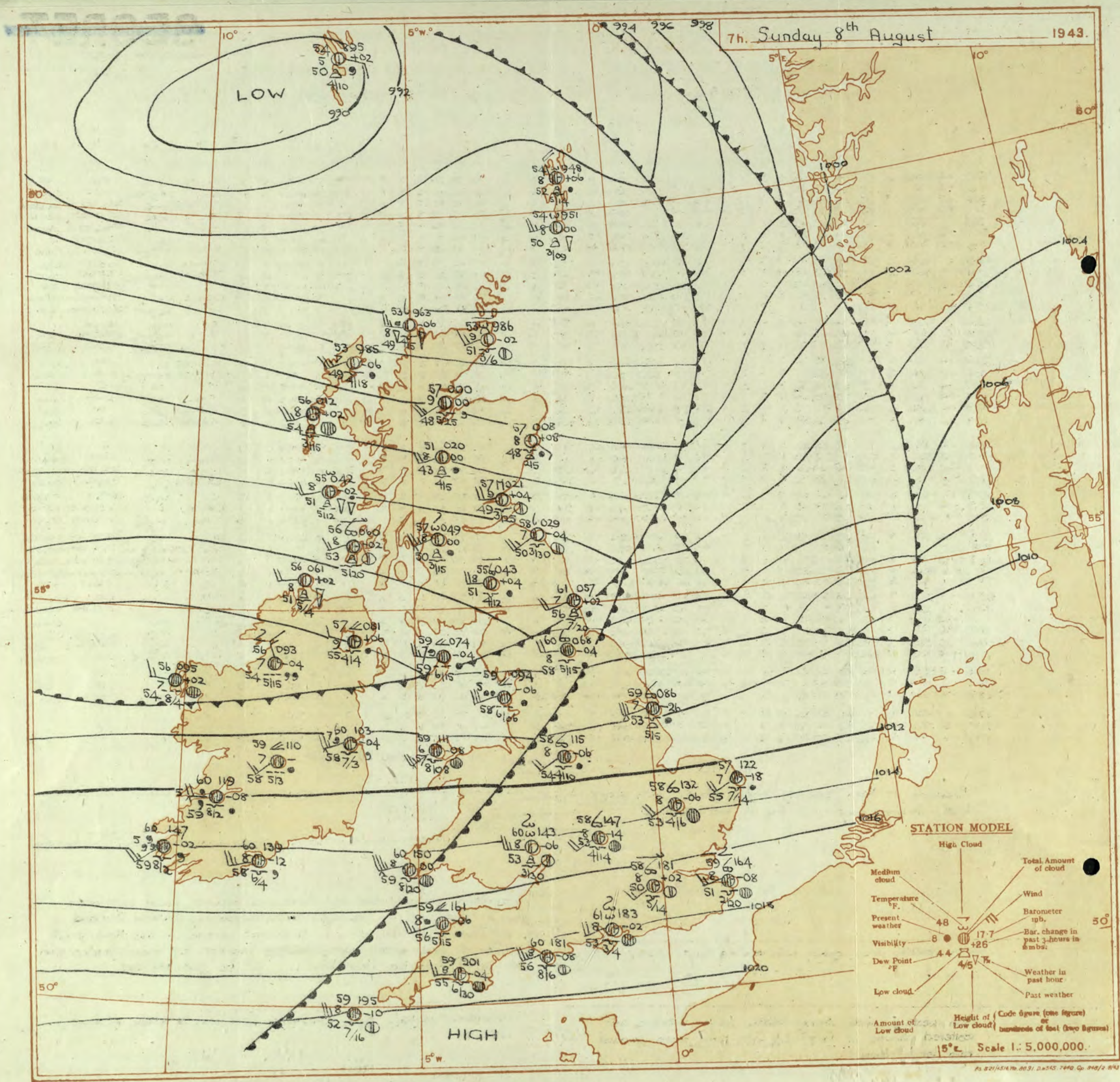
A depression centred near the Faeroes is moving slowly eastwards and a secondary on the Atlantic is advancing towards Scotland. In the South it will be dull with occasional drizzle. In the North it will be fair at first apart from scattered showers, but more general rain will spread from the West later. It will be generally cool.

FURTHER OUTLOOK

Unsettled westerly type continuing, with rain at times in most districts.

Forecasts issued at 1300

NELSON K. JOHNSON, K.C.B., D.Sc., Director
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Sunday 8th August 1943

No. 29844

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	SW	4	c	59	*	*	7	*	*	*	*	*	*
	Croydon ...	290	20.0	-6	SW	4	c	57	75	50	7	5	7	-	4-6	9	3000
	S. Farnborough	226	18.7	-10	WSW	4	c	55	85	51	8	5	7	7	Tr	9+	4000
	Boscombe Down	417	15.6	-10	WSW	3	b	53	85	49	8	-	4	-	0	1	-
	Thorney Island	10	19.9	-6	WS	3	b-bc	57	85	52	9	5	4	-	Tr	2-3	4000
	Lympne ..	283	19.2	-12	WS	3	c	56	92	55	7	5	2	-	7-8	9+	2500
	Manston ...	154	18.6	-6	SSW	3	bc	58	85	53	7	5	-	-	4-6	4-6	2800
2	Shoeburyness ...	11	*	*	WSW	3	*	60	85	56	7	*	*	*	*	*	*
	Felixstowe ...	12	17.4	-8	SW	3	bc	60	85	56	7	5	7	-	4-6	4-6	4000
	Gorleston ...	5	15.0	-10	SW	3	c	58	92	55	7	5	-	-	10	10	800
	Mildenhall ...	15	16.1	-14	SWW	4	zo	57	92	55	6	5	7	-	2-3	10	2500
	Cranwell ...	203	13.8	-16	SW	5	rr	57	85	53	6	6	-	-	10	10	1000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17.8	-6	SWW	4	c	55	92	52	7	-	7	1	0	9	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18.4	-14	W	5	bc	59	85	53	8	2	-	-	4-6	4-6	2500
	Bristol ...	209	19.4	-10	SWW	4	ido	56	85	52	7	5	-	-	10	10	2600
	Portland Bill ...	32	19.2	-12	WSW	5	c	60	92	58	7	5	-	-	7-8	7-8	4000
	Plymouth ...	86	21.3	-10	WSW	5	b-bc	58	92	55	8	5	-	-	2-3	2-3	2500
	The Lizard ...	240	22.0	-4	WSW	5	bc	58	85	52	8	5	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	21.9	-8	WS	5	bc	58	85	52	8	8	-	-	4-6	4-6	1600
	Guernsey ...	175															
6	Pembroke ...	142	16.9	-20	WS	7	bcq	59	85	54	8	4	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	12.8	-20	SW	5	c	59	92	56	7	5	-	-	10	10	3300
	Chester (Sealand)	16	12.7	-22	WSW	4	c/r	60	75	53	6	5	2	-	7-8	10	2500
8	Manchester ...	230	13.5	-14	SSW	4	dido	56	97	55	7	6	2	-	4-6	10	1000
10	Spurn Head ...	29	13.1	-24	SW	5	rr	58	92	56	5	5	-	-	10	10	2500
	Catterick (Sc) ...	192	03.0	-30	SW	4	roro	58	92	55	6	5	2	-	7-8	10	2000
	Tynemouth ...	108	08.6	-30	WSW	3	roro	59	85	54	7	-	2	-	10	10	1500
11	St. Abbs Head	280	02.5	-44	SW	5	c	57	85	53	7	5	-	-	9	9	1500
	Leuchars ...	38	01.9	-34	SW	5	zo	58	92	56	6	5	2	-	7-8	10	1000
12	Renfrew (Abbotsl.)	19	05.2	-14	WSW	4	dodo	58	97	57	6	6	2	-	4-6	10	600
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	08.5	-20	W	6	rr	57	97	57	7	6	2	-	9	10	1500
13A	Tiree	44	03.7	-2	WSW	5	bc	56	97	55	8	5	-	-	4-6	4-6	1500
13B	Stornoway ...	12	99.6	+6	W	3	c	54	85	48	7	5	-	-	7-8	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	00.6	-30	SW	4	c	57	92	54	9	5	7	-	7-8	9	7500
	Wick ...	114	98.7	-22	SW	3	bc/d	55	97	55	8	5	-	-	2-3	2-3	1000
16	Sumburgh ..	19	97.4	-42	S	4	roro	55	97	54	8	5	2	-	9	10	1000
17	Blacksod Point	18	09.4	-4	SW	6	ir	58	97	57	6	6	2	-	4-6	10	800
18	Malin Head ...	84	05.7	-2	WS	5	iD	57	97	56	6	-	2	-	10	10	800
	Aldergrove ...	268	08.5	-8	WS	3	roro	58	97	57	6	-	2	-	10	10	800
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16.1	-12	SW	5	dd	59	97	58	6	5	-	-	10	10	450
	Roches Point	22	16.5	-18	WSW	4	c	59	92	57	8	5	-	-	9+	9+	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	16.3	0	WSW	4	c-bc	59	75	52	8	5	7	4	4-6	7-8	4000	1	*
	Croydon ...	18.1	+2	SW	3	c	58	75	50	8	5	7	2	7-8	9	1400	0	*
	S. Farnborough	17.3	+4	WSW	4	c	58	75	51	8	5	7	-	7-8	9	3000	0	*
	Boscombe Down	17.8	-4	SW	3	c-bc	56	85	52	8	5	7	2	4-6	7-8	1000	0	*
	Thorney Island	18.3	-2	WSW	4	c	61	75	53	8	5	3	9	2-3	9	1500	0	*
	Lympne ..	17.2	-6	WSW	5	c	59	75	50	8	-	8	8	0	9	-	1	5
	Manston ...	16.4	-8	WSW	3	c	59	75	51	8	5	7	6	1	9	2000	0	*
2	Shoeburyness ...	16.3	-4	W	4	c-bc	59	75	52	8	5	7	-	2-3	7-8	2500	1	*
	Felixstowe ...	14.7	-12	WSW	4	c	58	85	52	8	5	3	-	2-3	9	2500	0	3
	Gorleston ...	12.2	-18	SWW	4	c	57	92	55	7	5	-	-	9+	9+	1400	1	3
	Mildenhall ...	13.2	-6	SWW	4	c	58	85	53	8	5	7	-	4-6	9	4000	1	*
	Cranwell ...	10.9	-4	WS	5	c	58	85	54	8	5	2	-	7-8	10	3000	1	*
3	Birmingham ...	12.7	-4	SW	4	c	57	92	55	8	5	-	-	9+	9+	1500	1	*
	Upper Heyford	14.7	-14	SWW	4	c	58	85	53	8	5	7	-	4-6	9	1400	0	*
4	Ross-on-Wye	14.3	-6	W	5	bc	60	75	53	8	8	3	9	2-3	4-6	3000	1	*
5	Hartland Point	16.1	-6	WSW	5	ir	59	92	56	8	5	2	-	7-8	10	1500	1	5
	Bristol ...	17.0	-6	SW	4	c	59	85	53	8	5	-	-	7-8	9	1300	1	*
	Portland Bill ...	18.1	-8	WSW	5	c	60	85	56	8	5	-	-	10	10	4000	1	*
	Plymouth ...	20.1	-4	W	3	c	59	85	55	8	5	-	-	9	9	3000	0	5
	The Lizard ...	25.4	0	NW	5	bc	57	92	55	8	5	3	-	4-6	4-6	2500	0	4
	Scilly (St. Mary's)	19.5	-10	WSW	5	c	59	85	52	8	5	-	-	9+	9+	1600	0	4
	Guernsey ...																	
6	Pembroke ...	15.0	0	WS	7	cq	60	97	59	8	5	-	-	10	10	2000	0	4
7	Holyhead (Valley)	11.1	-8	SW	5	zo	59	92	57	8	5	-	-	10	10	800	1	*
	Chester (Sealand)	10.6	-6	WS	5	ir	61	85	61	8	5	2	-	7-8	10	3000	1	*
8	Manchester ...	10.8	-10	SW	4	dd	58	97	56	5	6	2	-	9	10	400	1	*
10	Spurn Head ...	08.6	-26	WSW	6	cq	59	85	53	7	7	7	-	7-8	10	2500	1	4
	Catterick (Sc) ...	06.8	-4	W	4	c	60	92	58	8	5	7	-	7-8	10	1500	1	*
	Tynemouth ...	05.7	+2	WSW	4	c	61	85	56	7	8	-	-	9+	9+	2000	1	3
11	St. Abbs Head	02.8	-4	SW	5	bc	58	75	50	7	5	4	-	2-3	4-6	3000	0	4
	Leuchars ...	02.1	+4	W	4	bc	57	75	49	9	5	8	-	2-3	4-6	2500	1	*
12	Renfrew (Abbotsl.)	04.9	0	WSW	5	bc	57	75	50	8	8	3	4	2-3	4-6	1500	1	*
	Eskdalemuir ...	04.3	+4	W	4	c-bc	55	85	51	8	5	7	1	4-6	7-8	1200	1	*
	Point of Ayre ...	07.4	-4	WN	5	ido	59	97	59	7	6	2	-	9	10	1500	1	3
13A	Tiree	04.2	+2	WS	4	c/r	55	85	51	8	8	3	-	7-8	9	1200	1	2
13B	Stornoway ...	98.5	-6	WSW	5	bc	53	85	49	7	5	-	-	4-6	4-6	1800	1	3
15	Dalwhinnie ...	02.0	0	WSW	4	bc	51	75	43	8	8	-	-	4-6	4-6	2500	1	*
	Aberdeen † ...	00.8	+8	SE	1	b	57	75	48	8	7	-	-	1	1	2500	1	1
	Wick ...	98.6	-2	WSW	3	bc	53	92	51	9	5	6	1	2-3	4-6	4000	1	*
16	Sumburgh ..	99.1	0	WS	5	c-bc	54	85	50	8	2	3	-	2-3	7-8	900	1	3
17	Blacksod Point	09.5	+2	W	3	c	56	92	54	7	6	-	-	10	10	1500	2	3
18	Malin Head ...	06.1	+2	WS	4	c-bc	56	85	51	8	8	-	-	7-8	7-8	1500	1	4
	Aldergrove ...	08.1	+6	WNW	2	c	57	92	55	9	5	2	-	4-6	9+	1500	1	*
19	Birr Castle ...	11.0		SW	3	c	59	97	57	7	6	2	-	7-8	10	800	1	*
20	Valentia Obsy.	14.7	-2	SWW	5	dd	60	97	59	8	5	-	-	10	10	450	1	4
	Roches Point	13.9	-12	WS	5	c	60	92	58	8	5	-	-	9	9	1500	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 7th Hrs. (38)
1	London (Kew)	65	55	51	Tr	0.5	0.1
	Croydon ...	68	55	52	Tr	0.3	0.1
	S. Farnborough	66	53	47	Tr	Tr	0.3
	Boscombe Down	63	52	48	Tr	Tr	0.0
	Thorney Island	69	56	52	Tr	-	*
	Lympne ..	68	52	48	Tr	Tr	2.4
	Manston ...	67	55	53	Tr	0.2	0.8
2	Shoeburyness ...	67	56	54	-	Tr	0
	Felixstowe ...	66	56	56	Tr	0.3	1
	Gorleston ...	65	57	53	Tr	0.3	0.9
	Mildenhall ...	65	56	53	Tr	1	0.0
	Cranwell ...	62	55	54	0.5	3	0.0
3	Birmingham ...	60	56	48	1	Tr	0.0
	Upper Heyford	61	53	51	Tr	Tr	*
4	Ross-on-Wye	61	57	55	0.2	-	0.0
5	Hartland Point	65	58	56	Tr	Tr	0.6
	Bristol ...	62	56	52	0.4	Tr	0.0
	Portland Bill ...	63	58	*	-	-	*
	Plymouth ...	66	56	53	-	-	2.2
	The Lizard ...	61	55	*	-	-	5.5
	Scilly (St. Mary's)	65	57	*	Tr	-	5.8
	Guernsey ...						
6	Pembroke ...	61	57	*	7	-	1.2
7	Holyhead (Valley)	60	58	57	5	0.6	*
	Chester (Sealand)	62	59	55	2	0.2	0.0
8	Manchester ...	58	56	*	2	5	*
10	Spurn Head ...	62	56	*	Tr	6	0.0
	Catterick (Sc) ...	59	58	55	2	Tr	0.0
	Tynemouth ...	60	58	56	1	1	*
11	St. Abbs Head	60	55	*	1	4	*
	Leuchars ...	61	56	51	2	3	1.0
12	Renfrew (Abbotsl.)	59	56	55	4	9	0.0
	Eskdalemuir ...	57	54	53	3	18	0.0
	Point of Ayre ...	62	56	*	6	9	0.0
13A	Tiree	59	53	49	11	8	0.0
13B	Stornoway ...	57	50	45	13	4	0.0
15	Dalwhinnie ...	54	49	44	3	1	0.0
	Aberdeen † ...	59	53	47	3	3	0.0
	Wick ...	57	46	45	3	3	*
16	Sumburgh ..	57	52	49	Tr	6	7.5
17	Blacksod Point	60	55	*	10	17	*
18	Malin Head ...	59	50		6	7	0.0
	Aldergrove ...	59	56	56	9	2	0.0
19	Birr Castle ...	64	58	57	3	1	1.1
20	Valentia Obsy.	63	59	58	-	0.4	0.0
	Roches Point	65	59	*	0.3	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 7th August IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	18h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 8th August C$_L$C$_M$	wwVhN$_h$	DDFWN	07h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN
109	82	02864	15426	52	64646	16468	5-	52538	19258	92	25744	55585
115	52	62735	11269	62	64635	20563	54	02554	57566	54	81854	57583
203												
206	52	62854	22268	57	62855	20168	5-	21855	22465	5-	02955	53555
210	52	61854	14228	52	61856	16368	57	02954	20368	50	01963	20463
219	62	64627	18668	62	62527	20568	8-	25845	24585	8-	02845	22526
220				62	64646	53468	62	02745	53468	8-	25855	22585
245	52	02855	28428	62	62644	14268	52	22644	18468	44	01952	21413
260	52	22864	18468	52	22744	20468	52	22645	53628	53	00754	24314
278	02	62838	22368	57	02835	20368	52	62834	20368	82	21856	25268
279	62	58554	53668	52	22735	22568	5-	64748	20668	5-	61637	22467
285	21	61625	22568									
288	52	62845	18468	52	64745	18468	02	64658	18468	52	22846	20468
576	62	62635	22468	52	61744	50468	62	62635	55468	6-	21745	30357
301	52	62736	22568	71	22757	22568	62	62644	56568			
321	52	62655	24268	52	62656	18368	5-	61678	22468	57	02745	20328
299	21	02755	22225				5-	64648	22568	5-	02746	22426
382	62	62746	22268	62	64645	22368	52	22646	20368	5-	02948	22268
310												
614	52	62745	22368	52	61655	22368	57	05655	53428	57	02745	55328

	13h. G.M.T. 7th August IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	18h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 8th August C$_L$C$_M$	wwVhN$_h$	DDFWN	07h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN
388	52	62737	21468	57	02744	55467	57	02555	53528	62	62634	55668
384	--	53556	24158									
340	62	62845	22368	52	22944	22368	57	02854	57528	67	21854	55568
136	11	22744	22468	52	62744	19468	51	02655	20468	57	02934	18567
336	52	22656	24468	57	02754	24427						
850	52	61855	24268	52	62744	22368	57	02765	22327	53	02854	55425
368	52	05645	25368				53	01663	24524	5-	22734	57867
379	52	62754	24368	57	22645	19657				53	02746	53627
390	72	02763	24328	52	61654	22368	5-	05657	18327	53	05641	22413
382	57	61965	24368	57	62846	24368	54	01762	23314	57	02846	21427
438	52	02754	23328	52	02754	23528	50	01754	22614	27	01853	22614
430	13	02864	26226	57	51856	26228	50	01751	23212	54	02864	21425
409	87	02945	23467	00	02843	22427	50	01843	55413	54	02857	55528

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 8th August

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 ...	iro ciro	iro ciro.	iro cloc	
Croydon ...	ccy	wcy ccir	cro, bcc	
Greenwich ...	cdo	cidoy	cirobcc	Kew 24 hours ending 9h. Max. Time
Camden Square	c	c	*	
Kensington ...	c	cpr	*	<0.1 Whole period.
Hampstead ...	cod	or	orbc	Min. Time

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 13h % Yesterday	Humidity 9h % To-day
Kew ...	65	55	51	Tr	0.5	0.1	*	*
Croydon ...	68	55	52	Tr	0.3	0.1	*	*
Greenwich	67	54	48	Tr	0.3	0.0	50	70
Westminster	67	56	*	0.7			54	75
Regents Park								
Camden Square	*	55	51	-	0.5	*	*	69
Kensington ...	*	54	50	Tr	0.7		70	69
Hampstead ...	*	52	49	0.3	0.4		*	75

SECRET

Page 1 **BRITISH SECTION**

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

Monday, 9th August 1943

No 29845

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	15·6	-6	SW	4	c	66	65	55	8	8	3	-	9	9+	2500
	Croydon	16·1	-6	SW	4	c	66	75	56	8	5	7	-	9+	9+	2000
	S. Farnborough	15·2	-10	WSW	4	c	66	75	56	8	5	7	-	7-8	9+	2000
	Boscombe Down	15·8	-12	SW'W	4	c	67	75	57	8	5	-	-	9	9	2000
	Thorney Island	16·9	-10	SWW	5	c	64	85	58	8	5	2	-	7-8	10	1500
	Lympne	15·7	-8	WSW	5	c	64	75	56	8	5	-	-	10	10	3000
	Manston	14·9	-10	W'S	5	c	69	65	56	8	5	7	-	7-8	10	2500
2	Shoeburyness	14·8	-10	WSW	5	c	68	75	60	8	5	3	-	7-8	10	1500
	Felixstowe	13·3	-10	WSW	5	irₒ	66	75	59	8	5	7	-	7-8	10	4000
	Gorleston	11·0	-8	NW'N	5	pr	65	75	57	7	6	2	-	7-8	10	1200
	Mildenhall	11·7	-10	SW'W	5	c/r	64	75	57	8	5	7	-	4-6	9+	1000
	Cranwell	09·3	-6	WSW	6	c	63	85	59	7	7	7	-	2-3	10	2000
3	Birmingham	11·3	-8	SW	4	pr	63	92	61	6	5	-	-	10	10	1500
	Upper Heyford	12·8	-10	WSW	4	o/r	63	85	58	5	5	-	-	10	10	1000
4	Ross-on-Wye	13·0	-10	WSW	4	c	65	85	59	8	5	3	-	9+	10	3000
5	Hartland Point	14·9	-10	WSW	5	DRf	60	97	60	2	-	-	-	10	10	<150
	Bristol	15·3	-14	SW	5	c	65	85	59	8	5	-	-	10	10	1500
	Portland Bill	17·2	-6	WSW	6	o	61	92	59	8	5	-	-	10	10	4000
	Plymouth	19·1	-4	W	5	dₒd	60	97	60	5	5	-	-	10	10	200
	The Lizard	19·2	·8	WSW	6	c	61	92	59	7	5	-	-	10	10	1500
	Scilly (St. Mary's)	19·1	-2	WSW	5	zₒ	62	92	59	6	5	-	-	10	10	1000
	Guernsey															
6	Pembroke	13·2	-4	W'S	7	cq	61	97	59	7	8	1	-	7-8	10	2500
7	Holyhead (Valley)	10·6	-6	SW	5	zₒ	61	97	59	6	5	7	-	9	10	1500
	Chester (Sealand)	09·9	-6	W'N	2	c	65	75	57	8	5	7	-	7-8	10	2000
8	Manchester	09·7	-6	WSW	3	irₒ	61	92	59	8	6	2	-	9	10	800
10	Spurn Head	08·4	-2	WSW	6	c	65	75	57	7	7	7	-	4-6	9+	2500
	Catterick (Sc)	06·0	-2	SW	4	c	64	85	58	8	5	7	-	7-8	9+	2000
	Tynemouth	06·4	+2	W	5	c	61	75	52	7	8	-	-	9	9	2000
11	St. Abbs Head	03·0	0	W	4	c	60	85	56	8	5	2	-	7-8	9+	2500
	Leuchars	01·0	-10	WSW	6	c-bc	63	65	60	8	8	5	1	2-3	7-8	2000
12	Renfrew (Abbots I.)	05·0	0	WSW	5	c/pr	58	85	52	8	8	3	-	7-8	9	2500
	Eskdalemuir	04·5	0	WSW	1	c	59	65	47	8	5	7	-	4-6	9	2500
	Point of Ayre	07·4	0	W'N	4	c	62	85	59	8	8	7	-	2-3	10	1600
13A	Tiree	03·8	-4	WSW	4	c	57	85	51	8	8	3	-	4-6	9	1500
13B	Stornoway	96·8	-10	WSW	8	c/pr	58	75	49	8	8	3	-	9	9+	1800
15	Dalwhinnie	02·0	-2	WSW	4	c-bc	54	75	46	8	8	-	-	7-8	7-8	1500
	Aberdeen	99·6	-6	W'N	3	bc	66	45	44	9	2	-	-	4-6	4-6	4000
	Wick	97·2	-10	W'S	4	c	60	75	52	9	8	7	-	9	9+	3500
16	Sumburgh	97·4	-4	SW	4	irₒ	54	85	51	8	5	7	-	4-6	10	1400
17	Blacksod Point	09·4	0	WSW	3	irₒ	58	92	56	7	6	2	-	4-6	10	1500
18	Malin Head	05·5	-2	W'N	5	c	58	85	54	8	8	2	-	4-6	10	1500
	Aldergrove	07·3	-6	W'S	3	c	61	65	50	8	5	7	-	4-6	9+	2500
19	Birr Castle	10·2	*	SW	3	ir	61	97	61	7	6	2	-	7-8	10	800
20	Valentia Obsy.	14·5	0	WSW	6	c/r	61	97	60	6	5	-	-	10	10	450
	Roches Point	12·9	-6	W	5	bc	66	85	62	8	5	3	-	4-6	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	11·1	-14	SW	4	c	67	75	59	8	5	-	-	9+	9+	2500	0	*
Croydon	13·0	-18	SW	5	c	67	75	59	8	5	3	-	7-8	9+	2000	0	*
S. Farnborough	12·5	-18	SW'W	4	c	67	75	60	8	5	-	-	9+	9+	2000	0	*
Boscombe Down	13·8	-16	W'S	4	c	67	75	59	9	5	-	-	7-8	9	1800	0	*
Thorney Island	14·8	-16	SW'W	6	c	63	92	60	8	5	3	-	7-8	9	1500	0	*
Lympne	13·7	-14	WSW	5	c	61	85	58	8	5	-	-	10	10	2000	0	6
Manston	12·1	-20	SW'W	6	c-bc	65	75	57	8	5	7	6	2-3	7-8	1400	0	*
Shoeburyness	11·9	-12	SW	5	bc	67	75	59	8	5	4	-	2-3	4-6	1500	0	*
Felixstowe	10·2	-22	SW	4	c	68	75	60	8	5	2	-	7-8	10	2500	0	4
Gorleston	08·3	-14	WSW	4	irₒ	64	97	63	7	8	2	-	7-8	10	1800	1	3
Mildenhall	08·7	-26	WSW	5	id	66	75	60	7	5	-	-	10	10	1000	1	*
Cranwell	07·5	-14	W'S	5	rr	62	97	62	6	5	2	-	7-8	10	600	1	*
Birmingham	08·9	-10	WSW	5	c/r	61	97	60	8	6	-	-	10	10	800	1	*
Upper Heyford	10·3	-20	SW'W	6	c	64	85	60	8	5	-	-	9+	9+	1200	0	*
Ross-on-Wye	10·7	-10	WSW	5	c	65	85	59	7	5	3	-	7-8	9+	2500	1	*
Hartland Point	13·8	-10	WSW	5	df	61	97	61	3	-	-	-	10	10	<150	1	5
Bristol	13·8	-6	WSW	5	o/d	66	85	60	8	5	-	-	10	10	1000	0	*
Portland Bill	15·4	-12	WSW	6	o	59	92	57	7	5	-	-	10	10	2500	1	6
Plymouth	16·6	-18	WSW	6	o/d	61	97	61	6	5	-	-	10	10	200	1	5
The Lizard	17·6	-16	WSW	6	zₒ	60	97	60	6	5	-	-	10	10	1000	1	5
Scilly (St. Mary's)	18·0	-10	WSW	5	zₒ	62	92	60	6	5	-	-	10	10	800	0	5
Guernsey																	
Pembroke	12·2	-4	W'N	7	oq	61	97	61	5	5	-	-	10	10	500	0	5
Holyhead (Valley)	09·1	0	WSW	3	c/r	60	97	59	8	5	7	-	9	10	1500	1	3
Chester (Sealand)	08·6	-2	NW	3	rr	61	92	59	6	5	2	-	4-6	10	1000	1	*
Manchester	08·9	-2	WNW	4	rr	60	97	59	5	6	2	-	7-8	10	400	1	*
Spurn Head	07·1	-6	WSW	3	rr	62	92	60	6	5	-	-	7-8	10	1500	1	3
Catterick (Sc)	05·0	-2	W	3	c	62	85	56	8	5	7	-	4-6	9+	3000	1	*
Tynemouth	05·5	-6	W	3	c-bc	60	75	50	7	8	3	1	4-6	7-8	2500	1	2
St. Abbs Head	01·6	-12	W	5	c-bc	58	97	56	8	5	4	-	4-6	7-8	2500	0	4
Leuchars	00·8	-4	W	5	c-bc	61	65	50	9	4	-	-	7-8	7-8	1800	0	*
Renfrew (Abbots I.)	04·1	-4	WSW	5	pr	57	75	50	7	8	-	-	7-8	7-8	2000	1	*
Eskdalemuir	03·6	0	W'S	5	bc	56	75	47	8	5	-	-	4-6	4-6	2200	1	*
Point of Ayre	06·8	-2	NW'N	5	b-bc	62	75	55	8	8	4	-	1	2-3	1800	0	4
Tiree	03·7	+2	W'S	5	c	56	85	52	7	5	7	-	9	10	1000	1	2
Stornoway	98·0	+14	WSW	5	pr	55	92	53	5	8	-	-	10	10	900	1	4
Dalwhinnie	00·0	-4	W	4	c-bc/r	51	75	45	8	5	-	-	7-8	7-8	1500	0	*
Aberdeen	98·7	-6	W	3	c-bc	61	55	52	9	2	4	9	7-8	7-8	5700	0	3
Wick	95·1	-6	WSW	5	idₒ	57	92	56	8	5	7	-	9	9+	2000	0	*
Sumburgh	91·7	-22	S'E	4	rr	52	97	52	5	6	2	-	9+	10	300	1	3
Blacksod Point	10·6	+10	W	4	c	59	85	55	8	8	-	-	9	9	2500	1	3
Malin Head	06·1	+4	W	5	pr	57	85	53	8	8	-	-	9+	9+	1500	1	4
Aldergrove	07·7	+2	WSW	4	c	59	65	49	8	5	-/	-	9+	9+	3000	1	*
Birr Castle	10·4	·	W	3	c	60	92	58	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	14·5	-2	W'S	5	idₒ	60	97	60	6	5	-	-	10	10	800	1	5
Roches Point	12·9	+2	W	5	c	65	85	61	8	5	-	-	9	9	1500	1	4

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)	bcc	c	c	cbc
Croydon	c	c	c	c
S. Farnborough	c	cbcc	cd.c	cdid.c
Boscombe Down	cbccid.c	c	ccid.	cd.d.c
Thorney Island	cdrc	c	ccir.m.c	c
Lympne	cbcc	ccm.	c	c
Manston	bccy	c	c	bc, ir.bc
Shoeburyness	bcc	cbc	c	c
Felixstowe	cidcir.	cir.c	cbc	bcir.cbc
Gorleston	cir.pr.	cir	cr.r.cz	bc
Mildenhall	ccir.	ccid.	cid.m.cir.m.	cm.cb
Cranwell	c	cir.crr	cr.r.cbc	bcm.bcc
Birmingham	cpr.	cor.r.	oir	r.oc
Upper Heyford	c	ir.c	ccid.m.c	cir m.bc
Ross-on-Wye	bccc	c	ccdc	cbc
Hartland Point	drdfdf	dfo	df idc	id.q
Bristol	cid.ddc	ccid.	cid.cod.d.	m.oidm.c
Portland Bill	co	o	o	oc
Plymouth	cir.mo	oid.m.	cid.m.	cm.d.d.
The Lizard	rcidc	cm.	ofdfmd	bifbc
Scilly (St. Mary's)	cidc	c	offeid.	oid.
Pembroke	cq	cid.m.oq	cq	cq
Holyhead (Valley)	cr.r.	cr.r.m	cpr.bc	mc
Chester (Sealand)	cir.m	r.r.m.c	cr.r.m.	cir.m.
Manchester	cddrdd.d.	ddrr	cir.cbc	cm.bcc
Spurn Head	c	crrm.	bcq	cq
Catterick (Sc)	c	c	cbc	cbc
Tynemouth	c	c	cbcc	bc
St. Abbs Head	c	c	cbcc	bc
Leuchars	bccbcbcy	cbcycy	bccbcb	bc
Renfrew (Abbots I.)	bcpr.c	prcpr	prcpr.c	bcc
Eskdalemuir	cbcc	cbcpr.	dcc	cpr.bc
Point of Ayre	id.c	cbc	c	c
Tiree	cbcc	ccid.c	cid.c	ccpr
Stornoway	cpr.c	cv	cpr.dccm.	cm.c
Dalwhinnie	bcc	c		coid
Aberdeen	bbccbc	bcc	c*	cid.c
Wick	bcccpr.c	cjp	cbcc pr.	cpr.
Sumburgh	pr.cir.	cmor.r.ir.r.r	cmor bcb	cd.pr.c
Blacksod Point	c	bc	c	c
Malin Head	pr	pr	pr	pr
Aldergrove	c	c	c	ccir.ccir.
Birr Castle	r	r	·	c
Valentia Obsy.	r	d	r	r
Roches Point	bc	c	d	d

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 9th August

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Moderate or fresh northwest wind, falling light, backing southwest later; fair: rather cool.
5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	Moderate or fresh northwest wind, falling light, backing southwest later, and freshening again. Fair at first, becoming overcast with slight rain or drizzle later: rather cool.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland	Light northwest wind, backing south and freshening, becoming strong southwest later: fair at first, rain later: rather cool.
14 Mid Scotland	As 5–11
15 N.E. Scotland	Fresh or strong north wind, falling light, variable; scattered
16 Orkneys and Shetlands	showers then fair: cool.
17 N. W. Ireland	As 12–13B
18 N. E. Ireland; 19 S. E. Ireland	As 5–11
20 S. W. Ireland	As 12–13B

GENERAL INFERENCE

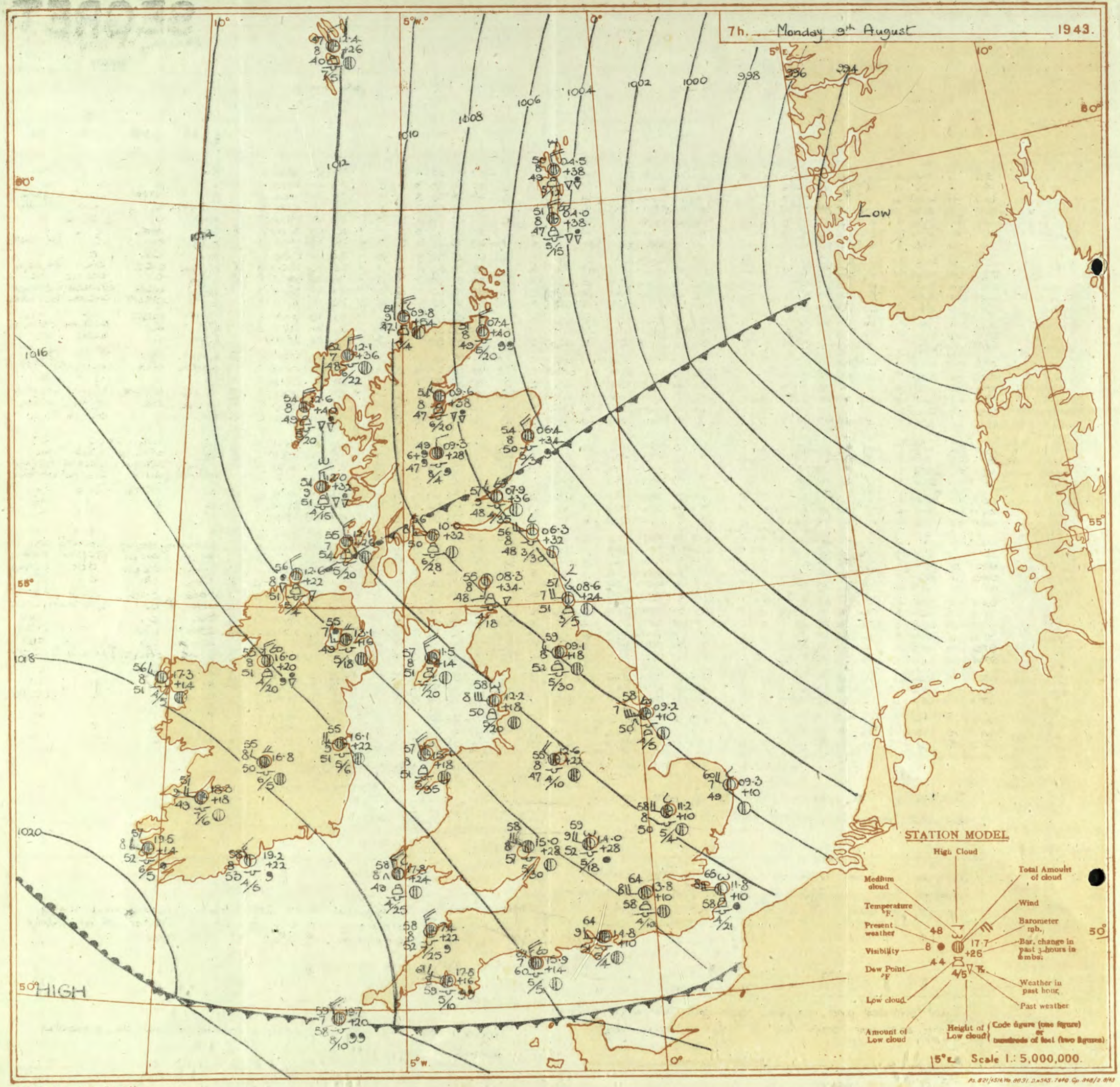
Pressure is high to southwest of the British Isles. A pronounced wedge of high pressure is moving east and intensifying. Weather will be mainly fair but a new depression will affect the West later.

FURTHER OUTLOOK

Unsettled but little rain in southern or eastern districts: somewhat warmer.

Forecasts issued at

NELSON K. JOHNSON, K.C.B., D.Sc., Director
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Monday 9th August 1943

No. 29845

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

District (1)	Stations (2)	Height above M.S.L. in feet (3)	Barom. at M.S.L. mb. (4)	Change in 3 hours (5)	Wind Direc. (6)	Wind Force 0–12 (7)	Weather (8)	Temp. °F (9)	Humid. % (10)	Dew Point °F (11)	Visibility 0–9 (12)	Cloud Form Low (13)	Cloud Form Med. (14)	Cloud Form High (15)	Cloud Amount Low 0–10 (16)	Cloud Amount Total 0–10 (17)	Height of Base (feet) (18)
1	London (Kew)	18	*	*	*	*	*	65	*	*	*	*	*	*	*	*	*
	Croydon ...	290	12.5	+2	SSW	5	c	64	85	59	8	5	7	-	7-8	10	1000
	S. Farnborough	225	12.2	+2	W'N	4	o/d	63	85	60	8	5	-	-	10	10	1800
	Boscombe Down	417	13.4	+2	W	4	id.	60	92	58	8	5	-	-	10	10	900
	Thorney Island	10	13.9	-2	WSW	3	c	63	85	59	7	5	-	-	10	10	2000
	Lympne ..	283	12.1	-6	WSW	4	c	62	85	59	7	5	1	-	7-8	10	1600
	Manston ...	154	10.5	-4	W'S	4	bc	66	85	59	59	7	-	3	0	4-6	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	09.2	+2	W	5	bc	64	92	62	8	5	-	-	4-6	4-6	2900
	Gorleston ...	5	07.8	+4	W	3	c	61	85	57	6	5	-	-	10	10	1500
	Mildenhall ...	15	09.1	+10	W'N	3	zo	63	92	60	6	5	-	-	10	10	1800
	Cranwell ...	203	08.5	+10	W'N	4	zo	58	92	56	6	5	-	-	7-8	7-8	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Hayford	408	10.3	+6	W	4	c/d	62	92	59	7	5	-	-	9+	9+	3500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14.3	+4	WNW	5	id.	60	97	60	6	5	2	-	9	10	800
	Bristol ...	209	13.4	-2	W'S	5	id	60	97	60	5	5	-	-	10	10	500
	Portland Bill ...	32	14.6	-4	WSW	6	o	61	92	59	7	5	-	-	10	10	2500
	Plymouth ...	86	16.4	-2	W	5	o/d	61	97	60	6	5	-	-	10	10	400
	The Lizard ...	240	17.1	-4	WNW	5	d. d.	59	97	59	7	5	-	-	10	10	800
	Scilly (St. Mary's)	163	17.8	-4	W'S	5	id.	60	97	59	5	5	-	-	10	10	400
	Guernsey ...	175															
6	Pembroke ...	142	13.9	+12	W'N	5	cq	60	97	60	8	5	-	-	10	10	1500
7	Holyhead (Valley)	32	12.1	+14	WNW	3	b-bc	57	85	52	8	8	6	-	2-3	2-3	3500
	Chester (Sealand)	16	09.9	+10	NW	4	c/r	58	85	55	6	5	2	-	7-8	9	1600
8	Manchester ...	230	09.9	+10	W'N	3	zo	56	85	53	6	5	-	-	9	9	2700
10	Spurn Head ...	29	17.4	+8	W'N	6	bc q	75	59	52	7	7	-	-	4-6	4-6	2500
	Catterick (Sc)...	192	06.7	+10	W	1	c-bc	57	75	49	7	5	-	-	7-8	7-8	3400
	Tynemouth ...	108	05.5	+6	W	5	c-bc	56	75	48	7	2	-	-	7-8	7-8	2500
11	St. Abbs Head	280	02.4	+6	W	5	c	55	75	47	7	5	-	-	9+	9+	2500
	Leuchars ...	36	02.0	+14	WSW	4	bc	55	75	49	8	5	-	-	4-6	4-6	3000
12	Renfrew (Abbots L)	19	05.5	+12	W'S	1	c	54	85	51	8	8	-	-	7-8	7-8	1400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	09.3	+24	WNW	6	c-bc	57	85	51	8	8	4	-	2-3	7-8	2000
13A	Tiree	44	06.4	+20	WNW	4	c-bc	55	92	53	7	5	-	-	7-8	7-8	1000
13B	Stornoway ...	12	05.4	+36	NW	3	c	53	92	51	6	5	-	-	10	10	1700
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	00.4	+20	WNW	5	c	55	75	48	8	5	-	-	9+	9+	2000
	Wick ...	114	00.1	+34	NNW	2	o/pr	53	85	48	8	5	-	-	10	10	1500
16	Sumburgh ..	19	96.3	+34	NNW	3	c-bc	51	92	48	8	5	7	2	Tr	7-8	1000
17	Blacksod Point	18	14.3	+16	WNW	4	c	56	75	48	8	8	-	-	9+	9+	2500
18	Malin Head ...	84	08.7	+10	NW'N	6	pr	55	85	51	8	8	-	-	9	9	1500
	Aldergrove ...	268	09.3	+8	WSW	5	c-bc	56	75	48	8	8	-	-	7-8	7-8	2200
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17.4	+12	W'N	3	c/d	57	97	56	6	5	-	-	10	10	800
	Roches Point	22	25.6	+10	WS	5	c	60	97	59	8	5	-	-	9+	9+	1500

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

District (1)	Stations (2)	Barom. at M.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)	13.5	+10	WNW	3	c-bc	65	65	53	8	8	-	-	7-8	7-8	2500	0	*
	Croydon ...	13.8	+10	W	4	c-bc	64	85	58	8	8	-	-	4-6	7-8	1000	0	*
	S. Farnborough	14.0	+10	WNW	3	c	63	75	55	8	8	7	-	4-6	9	1700	0	*
	Boscombe Down	14.8	+12	NW'W	5	c-bc	61	85	55	7	5	-	-	7-8	7-8	1800	0	*
	Thorney Island	14.8	+10	W	3	c	64	85	51	9	5	-	-	7-8	9+	1500	0	*
	Lympne ..	13.2	+12	W	2	c	63	85	58	8	5	-	-	9	9	1500	0	*
	Manston ...	11.8	+10	W	4	bc	65	75	58	8	8	3	-	4-6	4-6	2100	0	*
2	Shoeburyness...	12.7	+16	WNW	4	c-bc	63	75	54	7	5	-	-	7-8	7-8	1500	0	*
	Felixstowe ...	11.7	+18	WNW	5	bc	61	75	53	8	4	4	2	2-3	4-6	5700	1	5
	Gorleston ...	03.3	+10	WNW	4	bc	60	65	49	7	-	4	-	0	4-6	-	0	2
	Mildenhall ...	11.2	+10	W'N	4	c	58	75	50	8	5	4	-	7-8	9	1500	1	*
	Cranwell ...	11.1	+16	W'N	5	c	57	75	50	8	5	4	-	7-8	9+	3500	1	*
3	Birmingham ...	13.8	+18	W	5	c	54	85	49	8	5	-	-	9+	9+	2500	1	*
	Upper Hayford	14.0	+28	WNW	4	c-bc	59	85	52	9	5	3	-	7-8	7-8	1800	0	*
4	Ross-on-Wye	15.0	+28	WNW	5	c-bc	58	65	57	8	5	-	-	7-8	7-8	3000	1	*
5	Hartland Point	17.4	+22	NW	5	c	58	85	52	8	5	-	-	9+	9+	2500	1	4
	Bristol ...	15.0	+14	W'N	4	b-bc	60	75	54	8	8	-	-	2-3	2-3	1500	1	*
	Portland Bill ...	15.9	+14	NW	5	c	62	92	60	7	5	7	-	7-8	10	2500	1	5
	Plymouth ...	17.8	+16	WNW	3	c/d	61	92	59	8	5	-	-	7-8	9+	1000	1	2
	The Lizard ...	17.5	+8	WNW	5	c/d	58	97	58	6	5	-	-	9+	9+	1000	1	4
	Scilly (St. Mary's)	19.7	+20	NW'W	4	o/d	59	97	58	7	5	-	-	10	10	1000	1	4
	Guernsey ...																	
6	Pembroke ...	17.8	+24	NW	5	c-bc q	58	75	49	8	8	4	-	4-6	7-8	2500	0	3
7	Holyhead (Valley)	15.1	+18	NW'W	4	c	57	85	51	8	8	3	-	7-8	9+	3500	1	3
	Chester (Sealand)	12.7	+14	WNW	4	c-bc	57	75	49	8	5	3	-	4-6	7-8	2500	1	*
8	Manchester ...	12.4	+20	W'N	4	c	56	75	49	7	7	-	-	4-6	9+	1500	1	*
10	Spurn Head ...	09.2	+10	W'S	7	cq	58	75	50	7	7	7	-	4-6	9+	2500	0	4
	Catterick (Sc)...	09.1	+18	WNW	3	c-bc	59	75	52	8	8	-	-	7-8	7-8	3000	0	*
	Tynemouth ...	08.6	+24	W	4	bc	57	85	51	7	2	4	6	2-3	4-6	2500	0	2
11	St. Abbs Head	06.3	+32	W	5	bc	56	75	48	8	5	4	-	2-3	4-6	3000	0	4
	Leuchars ...	07.9	+36	WNW	3	bc	57	85	48	9	5	7	-	4-6	4-6	3500	0	*
12	Renfrew (Abbots L)	10.0	+32	W	3	c	56	85	50	8	8	-	-	9	9	2800	1	*
	Eskdalemuir ...	08.3	+34	S'W	3	bc	55	75	48	8	8	-	-	4-6	4-6	1800	1	*
	Point of Ayre...	11.5	+14	NW	5	c	57	85	51	8	9	-	-	9+	9+	2000	0	5
13A	Tiree	12.0	+32	NNW	3	c-bc/pr	54	92	51	9	8	3	-	4-6	7-8	1500	1	3
13B	Stornoway ...	12.1	+36	N	4	c/pr	52	75	48	7	5	-	-	9	9	2200	1	3
15	Dalwhinnie ...	09.0	+28	N	2	id	49	92	47	6	5	-	-	10	10	1500	1	*
	Aberdeen † ...	06.4	+34	NW	4	c-bc	54	85	50	8	5	-	-	7-8	7-8	800	1	3
	Wick ...	07.4	+40	NNW	3	c-bc/d	51	92	49	8	5	-	-	7-8	7-8	2000	1	*
16	Sumburgh ..	04.0	+38	NNW	5	c/pr	51	85	47	8	8	7	-	7-8	9	1500	1	4
17	Blacksod Point	17.3	+14	WNW	3	c-bc	56	85	51	8	6	-	-	4-6	7-8	2500	1	3
18	Malin Head ...	12.6	+22	NW	4	pr	56	85	51	8	8	-	-	7-8	7-8	1500	1	4
	Aldergrove ...	13.1	+16	WSW	3	ir.	55	85	49	7	5	2	-	7-8	9+	1800	1	*
19	Birr Castle ...	16.8	*	WNW	2	c	55	85	50	8	5	2	-	9	10	2500	1	*
20	Valentia Obsy.	13.5	+14	W'N	2	c	57	85	52	8	5	-	-	9	9	2500	1	3
	Roches Point	19.2	+22	NW	3	bc	58	85	53	8	5	-	-	4-6	4-6	2500	1	3

PAST 24 HOURS.

District (1)	Stations (2)	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 8h. hrs. (38)
1	London (Kew)	69	62	59	-	-	1.1
	Croydon ...	68	62	61	-	-	3.5
	S. Farnborough	69	61	59	-	Tr	4.2
	Boscombe Down	68	59	57	-	Tr	1.4
	Thorney Island	65	57	51	-	-	*
	Lympne ..	68	60	58	-	Tr	6.1
	Manston ...	71	62	60	-	Tr	6.2
2	Shoeburyness...	70	62	57	-	-	5.7
	Felixstowe ...	68	59	56	Tr	1	0.0
	Gorleston ...	66	56	52	1	2	0.0
	Mildenhall ...	67	54	49	0.5	5	0.4
	Cranwell ...	65	55	52	19	0.5	0.1
3	Birmingham ...	64	54	53	1	4	0.2
	Upper Hayford	69	64	(53)	Tr	0.1	*
4	Ross-on-Wye	66	57	53	-	0.1	0.8
5	Hartland Point	61	58	57	1	0.4	0.0
	Bristol ...	68	59	54	-	1	0.3
	Portland Bill ...	61	58	*	-	-	*
	Plymouth ...	63	59	59	Tr	Tr	0.1
	The Lizard ...	61	58	*	Tr	1	0.6
	Scilly (St. Mary's)	63	59	*	-	0.5	0.3
	Guernsey ...						
6	Pembroke ...	62	56		Tr	-	0.0
7	Holyhead (Valley)	61	55	52	4	Tr	*
	Chester (Sealand)	66	56	54	6	0.2	0.0
8	Manchester ...	61	53	50	14	3	*
10	Spurn Head ...	65	56	*	2	1	0.0
	Catterick (Sc)...	65	54	44	-	-	1.1
	Tynemouth ...	63	54	50	-	-	*
11	St. Abbs Head	61	54	*	-	-	*
	Leuchars ...	65	53	49	-	-	12.5
12	Renfrew (Abbots L)	61	52	46	1	1	5.7
	Eskdalemuir ...	58	50	47	Tr	0.1	2.0
	Point of Ayre...	64	56	*	0.2	-	2.0
13A	Tiree	60	53	50	0.5	0.4	6.3
13B	Stornoway ...	59	51	48	0.2	0.6	2.0
15	Dalwhinnie ...	58	49	46	-	0.5	8.3
	Aberdeen † ...	67	52	48	-	Tr	8.7
	Wick ...	62	50		Tr	1	*
16	Sumburgh ..	56	50	46	7	1	2.3
17	Blacksod Point	61	54	*	0.6	-	*
18	Malin Head ...	59	54		Tr	1	1.7
	Aldergrove ...	62	54	52	-	-	3.0
19	Birr Castle ...	62	52	49	2	0.3	0.0
20	Valentia Obsy.	62	54	49	0.2	0.6	0.0
	Roches Point	68	58	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 8th August $C_L C_M$	wwVhN$_h$	DDFFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFFWN	01h. G.M.T. 9th August $C_L C_M$	wwVhN$_h$	DDFFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFFWN
100	52	02745	55688	8-	81648	56688	87	02645	61628	87	02745	63625
115										34	02944	32526
203												
206				37	25955	57686	4-	02855	24385	8-	25856	26386
210	23	02955	23525	87	02866	65527	53	22844	59465	86	25854	30586
219	8-	10845	23685	8-	25746	24686	5-	02858	28428	8-	25855	32485
230	87	10855	24487	87	25856	55587	86	25845	57485	68	01953	27323
245	25	02955	24425	4-	02955	55325	54	01865	22365	84	01953	30424
260	8-	02856	57526	84	02865	53625	5-	02758	53425	54	01762	25312
278				57	02856	26327	52	02854	24524			
270	57	02844	24468	87	02854	24425	87	25855	24586	86	02855	24486
285										5-	51637	24657
288	73	02845	20428	52	02845	22227	50	01764	22314	57	02855	24326
575	52	61845	24468	53	02845	25526	82	02745	61558	27	25854	63455
301	62	21735	22668	62	61834	23567	57	02765	56626	26	02855	24625
322	57	02756	22428	52	62645	22368	5-	02765	57585	5-	02757	26427
299	8-	02746	22426	8-	21758	22368	50	01754	24214	53	02754	24415
292	52	02846	57558	57	02945	22345	5-	02857	24327	5-	02855	24425
310												
614	52	52644	53458	52	58657	53458	50	05644	25524	8-	02757	25427

III	13h. G.M.T. 8th August $C_L C_M$	wwVhN$_h$	DDFFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFFWN	01h. G.M.T. 9th August $C_L C_M$	wwVhN$_h$	DDFFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFFWN
388	52	02246	20462	67	61734	22467	57	21755	26366	5-	02865	24325
384										--	02654	24226
340	77	61655	55428	62	62635	24458	50	22844	28364	57	02945	26226
136	57	02744	20568	62	64527	20568	50	01853	22463	50	02866	28516
336												
850	52	22735	52462	52	02745	55527	5-	02749	56468	53	02754	24285
365	5-	02744	57558	5-	52438	57658	5-	57328	61558	50	01844	28454
379				5-	21737	55658	5-	02734	20458	50	02855	28425
390	57	02756	18428	57	05634	51427	5-	05634	55427	8-	02734	26466
382	5-	02845	22428	5-	02845	56527	5-	51748	57468	7-	02945	28455
438	8-	02758	02758	5-	05748	24728	--	46209	23749	87	02744	26616
430	5-	02748	55528	5-	02738	55628	5-	05658	22428	5-	51745	22327
409	5-	57108	54458	5-	44208	53558	5-	52528	55558	5-	51626	16457

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. † 00h. observations from Dyce.

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LONDON OBSERVATIONS

For 4th 24 hours ending morning of 9th August
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 ...	bcc	c	cbc	Kew 24 hrs. ended Max. Time
Croydon ...	c	c	c	<0.1 whole period.
Greenwich ...	c	c	cbc	Min. Time
Camden Square	c	c	*	
Kensington ...	c	c	*	
Hampstead ...				

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	69	62	59	-	-	1.1	*	*
Croydon ...	68	62	61	-	-	3.9	*	*
Greenwich ...	72	*	59	-	-	3.3	68	60
Westminster ..	70	59	57	-	-		79	*
Regents Park ..	69	*	60	-	Tr		*	58
Camden Square	69	59	*	-	-	*	*	63
Kensington ...	70	62	60	Tr	-		52	59
Hampstead ...							*	

SECRET

Page 1

BRITISH SECTION

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

Tuesday 10th August 1943

No 29846

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

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)	16·9	+16	NNW	3	c-bc	66	45	46	8	8	3	4	4-6	7-8	2500
	Croydon ...	17·3	+14	NNW	4	bc	68	45	46	9	4	–	1	4-6	4-6	3000
	S. Farnborough	16·9	+12	NW'N	4	b-bc	69	45	48	9	7	–	–	2-3	2-3	3500
	Boscombe Down	17·7	+6	NNW	4	bc	68	55	49	8	1	–	–	4-6	4-6	4000
	Thorney Island	17·1	+10	W'N	4	b-bc	72	55	54	9	1	3	–	2-3	2-3	2500
	Lympne ...	16·5	+22	NNW	3	c-bc	69	55	50	8	1	–	–	7-8	7-8	2500
	Manston ...	15·9	+18	NNW	4	bc	67	45	46	9	2	–	–	4-6	4-6	2800
	Shoeburyness ...	16·5	+12	NNW	4	c-bc	68	55	49	8	7	2	–	7-8	7-8	1100
	Felixstowe ...	14·8	+14	NNW	5	c	65	55	49	8	5	–	–	9+	9+	4000
	Gorleston ...	12·7	+14	NN'N	5	c	66	55	50	7	8	–	–	9+	9+	2500
	Mildenhall ...	15·0	+18	NNW	5	c	64	65	52	8	7	–	–	9	9	2500
	Cranwell ...	14·9	+12	N	4	c-bc	64	65	53	7	7	5	1	4-6	7-8	3000
3	Birmingham ...	17·1	+12	NW	4	c-bc	63	65	51	8	5	–	–	7-8	7-8	2500
	Upper Heyford	16·0	+6	NNW	4	c-bc	67	45	46	9	5	–	1	7-8	7-8	3500
4	Ross-on-Wye	17·5	+16	W'N	4	bc	64	55	50	8	7	–	1	4-6	4-6	3500
5	Hartland Point	20·2	+10	NW	3	c-bc	61	75	53	8	5	–	–	7-8	7-8	2500
	Bristol ...	18·4	+10	NNW	5	bc	67	65	53	8	5	–	–	4-6	4-6	2500
	Portland Bill ...	18·4	+12	NW	4	bc	65	85	60	8	1	–	–	4-6	4-6	4000
	Plymouth ...	20·4	+16	NNW	3	c-bc	68	65	56	9	1	3	2	4-6	7-8	3000
	The Lizard ...	21·0	+6	NNW	4	c-bc	64	85	60	8	2	–	–	7-8	7-8	2000
	Scilly (St. Mary's)	21·9	+6	N'N	2	c	64	85	59	7	5	–	–	10	10	800
	Guernsey ...															
6	Pembroke ...	20·1	+10	NW	2	bc	62	75	53	8	7	4	1	4-6	4-6	3000
7	Holyhead (Valley)	18·0	+8	W'S	5	c-bc	62	65	50	8	8	4	3	2-3	7-8	4000
	Chester (Sealand)	17·1	+22	NNW	6	c	61	65	50	8	5	4	–	7-8	9+	2400
8	Manchester ...	16·5	+22	N'N	4	c/pr	58	85	53	8	8	–	–	4-6	10	1500
10	Spurn Head ...	13·3	+18	NN'W	5	c	62	75	53	7	2	3	–	4-6	9+	2500
	Catterick (Sc) ...	14·3	+38	NNW	3	c	63	65	52	8	8	3	–	7-8	10	3000
	Tynemouth ...	14·0	+20	N	4	c-bc	59	75	51	7	8	4	–	7-8	7-8	2200
11	St. Abbs Head	12·8	+30	N	3	c-bc	56	75	49	9	2	4	–	4-6	7-8	3500
	Leuchars ...	13·6	+26	NW	4	c-bc	63	55	48	9	8	–	–	7-8	7-8	2000
12	Renfrew (Abbots I.)	13·8	+14	NNW	2	c-bc	64	65	50	9	8	–	1	7-8	7-8	2200
	Eskdalemuir ...	14·0	+34	NW'W	3	c	59	65	47	8	8	–	–	9+	9+	2100
	Point of Ayre ...	15·9	+22	NW	5	bc	63	75	56	8	8	4	2	2-3	4-6	2000
13A	Tiree ...	16·6	+18	N	3	b-bc	59	75	51	9	1	4	4	1	2-3	2000
13B	Stornoway ...	16·1	+14	N	2	c	57	65	45	9	7	3	–	7-8	9	2400
15	Dalwhinnie ...	14·0	+22	NE	3	c-bc	56	55	41	8	8	–	1	7-8	7-8	2500
	Aberdeen ...	12·8	+28	NNW	4	bc	57	65	43	9	8	–	1	4-6	4-6	2500
	Wick ...	13·4	+24	NW	4	c/pr	54	85	49	9	8	–	–	4-6	9+	1000
16	Sumburgh ...	10·0	+26	NW'W	4	c/pr	54	65	43	8	2	6	–	7-8	9	2000
17	Blacksod Point	18·6	0	W'S	1	bc	63	65	51	8	8	–	–	4-6	4-6	2500
18	Malin Head ...	16·8	+18	NNW	3	c-bc	59	75	51	8	8	–	2	2-3	7-8	1500
	Aldergrove ...	17·0	+10	NNW	2	c	61	75	52	9	8	7	–	7-8	9+	2500
19	Birr Castle ...	18·7		NNW	2	c-bc	63	65	51	8	4	–	–	7-8	7-8	1500
20	Valentia Obsy.	20·4	+2	S'E	3	c	61	55	56	8	5	–	–	10	10	1500
	Roches Point.	20·1	+2	S	3	bc	62	85	57	8	1	3	–	1	4-6	4000

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med (26)	Cloud. Form. High (27)	Cloud. Amount Low 0–10 (28)	Cloud. Amount Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	18·1	+4	NNW	2	c-bc	70	45	47	8	8	–	–	7-8	7-8	2500	0	•
	Croydon ...	18·8	+4	W	3	bc	69	45	47	9	4	–	–	4-6	4-6	3000	0	•
	S. Farnborough	18·6	+6	NNW	3	bc	69	45	49	9	7	6	–	2-3	4-6	4000	0	•
	Boscombe Down	18·9	+4	NW'N	3	b-bc	66	65	53	8	4	–	–	2-3	2-3	4000	0	•
	Thorney Island	18·8	+6	NNW	3	b-bc	70	55	54	9	4	–	–	2-3	2-3	4000	0	•
	Lympne ...	18·3	+6	NW	2	bc	67	55	49	8	4	–	1	4-6	4-6	5100	0	§
	Manston ...	18·1	+6	NNW	3	c-bc	66	55	49	8	5	–	6	4-6	7-8	4000	0	•
	Shoeburyness ...	18·5	+10	NNW	3	c	67	55	49	8	7	3	1	7-8	9	4000	0	•
	Felixstowe ...	17·4	+10	NNW	4	c-bc	66	55	50	7	5	–	–	4-6	7-8	4000	0	4
	Gorleston ...	16·2	+14	NN'N	2	c	60	75	50	7	8	–	–	9+	9+	1900	0	2
	Mildenhall ...	17·6	+10	W'N	4	bc	64	65	52	8	1	4	1	Tr	4-6	2500	0	•
	Cranwell ...	17·2	+4	N'N	4	bc	64	65	52	7	4	–	1	2-3	4-6	3500	0	•
3	Birmingham ...	18·8	+6	NNW	4	c-bc	62	65	50	8	5	–	–	7-8	7-8	2500	1	•
	Upper Heyford	17·8	+10	NNW	3	bc	67	45	46	9	4	–	1	4-6	4-6	3500	0	•
4	Ross-on-Wye	19·0	+4	NW	3	b-bc	64	55	49	8	4	–	–	2-3	2-3	3500	0	•
5	Hartland Point	20·3	-4	WNW	4	bc	61	75	54	8	5	–	1	4-6	4-6	2000	0	3
	Bristol ...	19·8	+6	W	4	b-bc	64	75	55	8	5	–	–	2-3	2-3	2500	1	•
	Portland Bill ...	19·8	+4	WNW	4	bc	64	85	59	8	1	–	–	4-6	4-6	4000	1	4
	Plymouth ...	21·2	0	WNW	3	b-bc	66	85	61	9	1	4	–	Tr	2-3	3000	0	2
	The Lizard ...	21·3	-2	SW	4	bc	59	57	59	8	5	3	–	4-6	4-6	2000	0	3
	Scilly (St. Mary's)	21·8	-4	WSW	2	f+	61	92	60	2	–	–	–	10	10	<150	1	3
	Guernsey ...																	
6	Pembroke ...	20·5	-4	WSW	3	b-bc	60	75	53	8	1	4	–	2-3	2-3	3000	0	2
7	Holyhead (Valley)	18·8	+2	SW	3	bc	61	75	54	8	8	4	–	4-6	4-6	3000	1	3
	Chester (Sealand)	18·1	+6	NNW	3	c-bc	61	75	52	8	8	3	9	7-8	7-8	3000	1	•
8	Manchester ...	17·9	+6	WNW	3	c	60	75	50	8	2	3	–	2-3	9	2500	1	•
10	Spurn Head ...	16·0	+6	NW	3	c	58	85	52	7	5	3	–	4-6	9	2500	0	3
	Catterick (Sc) ...	16·3	+10	ENE	2	2	58	75	52	6	8	–	–	9+	9+	3000	0	•
	Tynemouth ...	16·4	+4	NE	2	c-bc	57	75	49	8	8	3	–	4-6	7-8	2800	1	2
11	St. Abbs Head	15·3	+6	N	1	c-bc	57	75	47	8	5	4	–	4-6	7-8	3500	0	3
	Leuchars ...	15·3	+4	ESE	4	c	62	55	48	8	5	9	5	4-6	9	5000	0	•
12	Renfrew (Abbots I.)	15·0	+2	WNW	2	c-bc	61	65	49	9	1	3	4	1	7-8	3500	1	•
	Eskdalemuir ...	14·9	+4	NSW	2	c-bc	60	75	50	8	5	3	1	4-6	7-8	2100	0	•
	Point of Ayre ...	17·9	0	WNW	3	bc	62	75	52	8	5	4	5	2-3	4-6	4000	0	3
13A	Tiree ...	17·1	+2	N	1	c	56	75	49	9	5	3	9	2-3	9+	2500	0	2
13B	Stornoway ...	17·7	+6	N	3	c	53	65	43	8	5	7	–	4-6	9+	2000	1	2
15	Dalwhinnie ...	16·3	+4	NNE	3	c	55	65	41	8	5	3	9	4-6	9+	4000	0	•
	Aberdeen ...	15·6	+10	NNW	2	c-bc	56	55	41	8	4	4	5	1	7-8	2500	1	3
	Wick ...	16·1	+14	NW	4	c	51	65	38	9	5	–	–	10	10	4000	0	•
16	Sumburgh ...	12·7	+14	NN'W	5	c	51	65	39	8	8	–	1	9+	9+	4000	1	4
17	Blacksod Point	17·0	-14	S'W	3	c	58	75	50	8	5	–	–	10	10	2500	1	2
18	Malin Head ...	16·8	-2	NNW	1	c	57	75	49	8	5	–	–	9+	9+	1500	1	3
	Aldergrove ...	17·1	-2	NNW	1	c	61	75	52	9	8	7	–	9	9+	4500	1	•
19	Birr Castle ...	17·6	0	W	1	c	65	65	53	8	5	2	–	7-8	10	1500	1	•
20	Valentia Obsy.	19·2	-6	SW'W	4	do.do.	60	97	59	6	5	–	–	10	10	450	1	2
	Roches Point.	18·7	-14	SW	3	c-bc	62	92	60	8	5	3	–	4-6	7-8	1500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.–12h. 9th (39)	Weather. 12h.–18h. 9th (40)	Weather. 18h. 9th to 1h. 10th (41)	Weather. 1h.–7h. 10th (42)
1	London (Kew)	bcy	bcy	bcbyw	bbcwcm.
	Croydon ...	cybcy	bcy	bcyb	bccm.
	S. Farnborough	bcybcy	bcvy	bcvbyb	bccid.d.
	Boscombe Down	bcybcy	bcyb	bbccw	cwccd.d.
	Thorney Island	cbcyb	bcyby	bbc	ci Dm.
	Lympne ...	cbcc	bcy	bcb	bcc
	Manston ...	cbbcy	bccyb	bc	bccbc
	Shoeburyness ...	cy	cy	cm.	cm.
	Felixstowe ...	ccy	ccy	cy bcc	bcm.c
	Gorleston ...	c	cypro	bc	cr.
	Mildenhall ...	cbcc	cbc	bcb	bcbcm.
	Cranwell ...	cbc	bc	bcm.	cm.bcm.c
3	Birmingham ...	c	c	c	c
	Upper Heyford	cv	cvybcvy	b	bbcm.cm.
4	Ross-on-Wye	ccv	bcvy	bcbvbc	c
5	Hartland Point	c	cbc	bcid.	df idoc
	Bristol ...	bccbc	bc	bcbbw	cwccid.
	Portland Bill ...	bcbc	bcbc	bco	oid
	Plymouth ...	bc	bcbv	bccd.d.f	cid.fm.
	The Lizard ...	cbc	bccbc	oddff	oddf
	Scilly (St. Mary's)	cid.c	cofe	ffdfdf	d.fdf
	Guernsey ...				
6	Pembroke ...	cbc	bc	cro.d.d.f	cidf
7	Holyhead (Valley)	cbc	bc	c	oid.f
	Chester (Sealand)	c	c	cbcc	cc
8	Manchester ...	cprojp	cjppro.c	cbcm.	bcbm.
10	Spurn Head ...	c	c	bc	c
	Catterick (Sc) ...	c	cm.	cm.bcm.	cm.
	Tynemouth ...	bcc	cbcc	com.	cm
11	St. Abbs Head	cbcc	cbc	crc	crrm.
	Leuchars ...	cycy	cy	cyc	ciro
12	Renfrew (Abbots I.)	cbcyc	cbcc	bccbcw	cro.ro.m.d.ro.
	Eskdalemuir ...	bcc	c	bcc	ro.ro.m.
	Point of Ayre ...	bcb	bcbc	c	ciro
13A	Tiree ...	cbc	bcc	cbc	bccro
13B	Stornoway ...	c	c	c	ccpro.c
15	Dalwhinnie ...	oproc	c		co
	Aberdeen ...	cpro.bc	bcy	bcyc	c.
	Wick ...	bccpro	c	cbc	bbcc
16	Sumburgh ...	pro	pro	cpro.c	pro
17	Blacksod Point	bc	c	d	r
18	Malin Head ...	pr	bc	r	d
	Aldergrove ...	circ	c	c	cd.do.m.
19	Birr Castle ...	c	bc		d
20	Valentia Obsy.	c	d	d	r
	Roches Point.	bc	c	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 10th August

Districts	Forecast
1 S.E. England 2 E. England .. 3 E. Midlands ...	Light southerly winds veering west. Cloudy; occasional drizzle and rain; local hill fog to-night; some fog on South coast: rather cool.
4 W. Midlands 5 S.W. England 6 South Wales	Moderate westerly winds. Cloudy; occasional rain or drizzle; rather widespread hill fog; some coast. fog at first: rather cool.
7 North Wales 8 N.W. England 9 N. Midlands ...	Moderate westerly winds veering north or northeast later. Cloudy, with occasional rain or drizzle; much hill fog and local coast fog: rather cool.
10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ...	Moderate southeast winds, backing northeast. Rather widespread rain and drizzle with much hill fog, some improvement from northwest later.
13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Winds mainly between east and north, light or moderate. Variable cloud amounts with some bright intervals; local rain in south at first: rather 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 westerly winds veering northerly. Cloudy with occasional rain; some hill fog; rather cool.

GENERAL INFERENCE

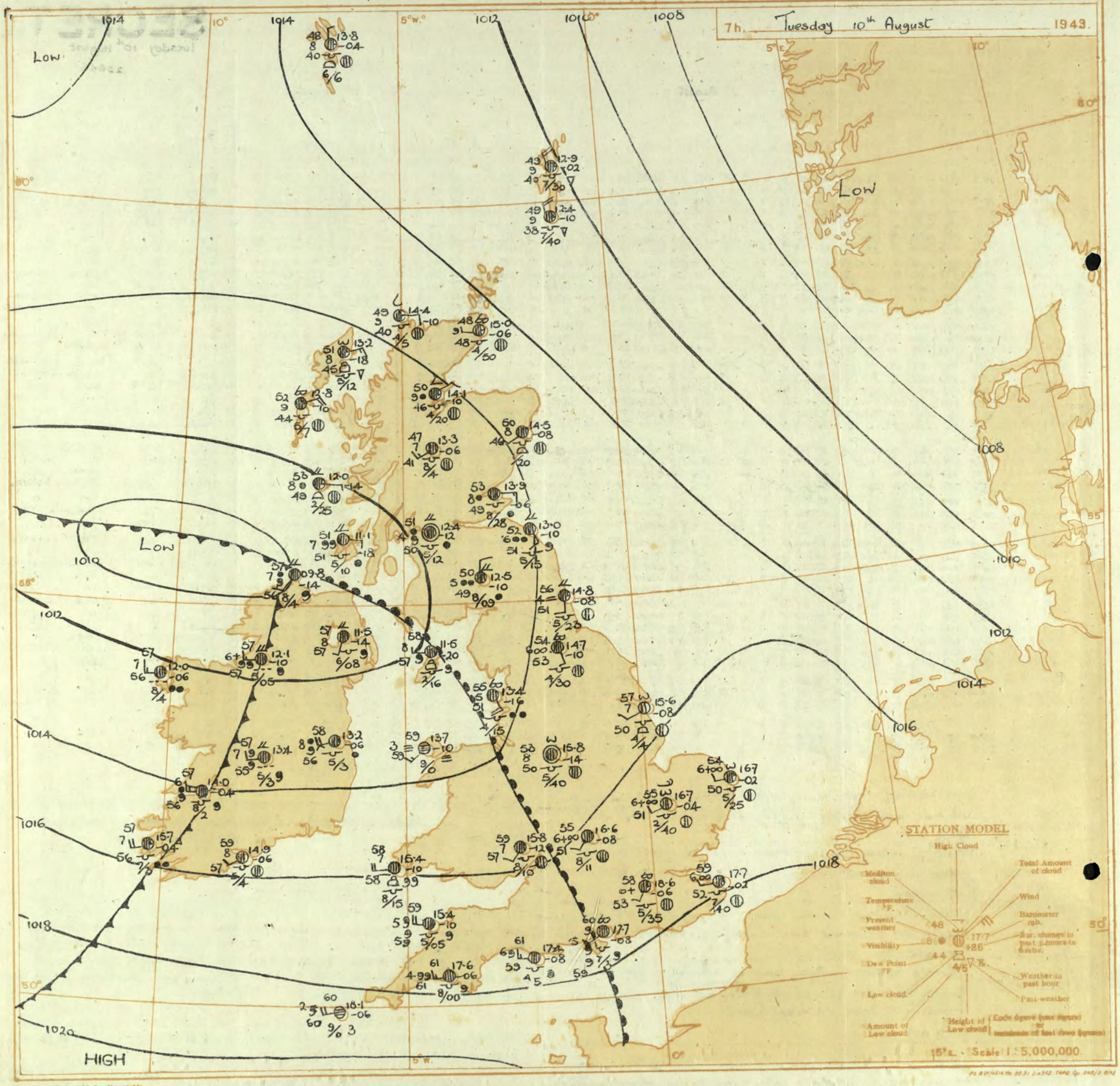
A depression just northwest of Ireland will move east-southeast with associated fronts crossing Ireland, Wales and England. There will be rather general rain in South Scotland and North England and local rain to the South. These districts will have fairly wide-spread hill fog and there will be coast fog in the South and Southwest. Rather cod.

FURTHER OUTLOOK

Northerly winds over the British Isles; showers in the North; local rain at first in the South.

Forecasts issued at 1300

NELSON K. JOHNSON, K.C.B., D.Sc. Director
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

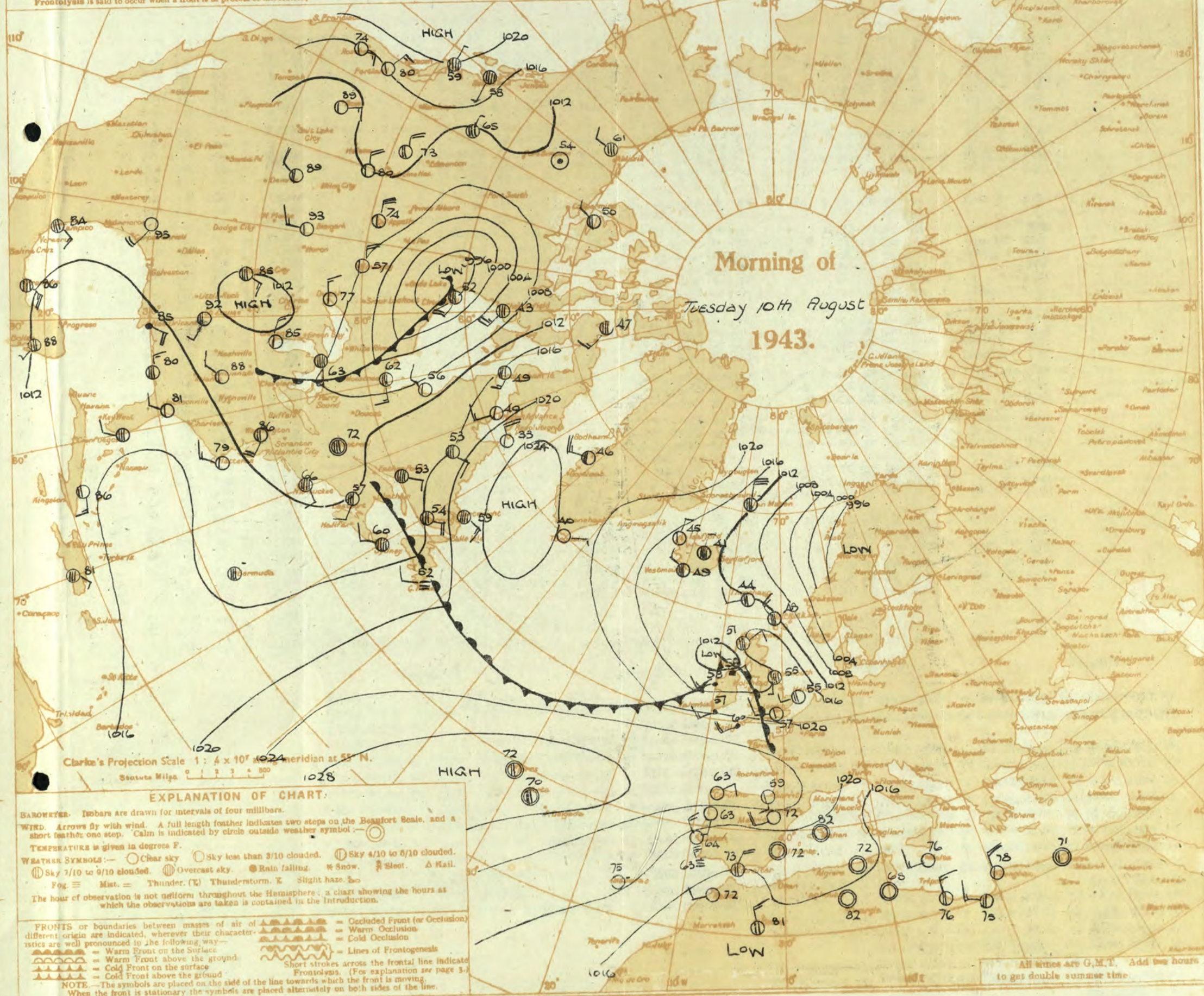
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Tuesday 10th August 1943

No. 29846

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

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	19.9	−4	W	1	b	57	78	50	7	−	4	−	0	Tr	−
	S. Farnborough	226	19.5	−6	W'N	2	b	54	92	52	8	−	4	−	0	1	−
	Boscombe Down	417	19.8	−6	W'S	1	c	52	92	50	8	5	−	−	9	9	4000
	Thorney Island	10	19.6	−4	−	0	b	55	92	53	8	−	4	−	0	Tr	−
	Lympne ..	283	19.3	−4	NW	1	b	54	85	50	7	−	−	−	0	0	−
	Manston ..	154	18.9	−2	−	0	bc	57	75	50	8	5	−	−	4-6	4-6	5700
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	18.3	−2	W	1	c-bc	59	75	51	7	5	−	−	7-8	7-8	5100
	Gorleston ...	5	17.4	−2	W'S	1	bc	55	85	49	7	5	−	−	4-6	4-6	2500
	Mildenhall ...	15	18.2	−6	SW'S	2	b-bc	52	85	49	7	5	−	−	2-3	2-3	4000
	Cranwell ...	203	17.7	−6	W'S	2	zo	54	92	51	6	5	−	−	2-3	2-3	3500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Hayford	408	19.0	−4	SW	1	b	50	85	47	7	4	−	−	Tr	Tr	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18.2	−12	W	4	df	60	97	60	3	−	−	−	10	10	<150
	Bristol ...	209	19.6	−8	SW	1	c	57	85	54	8	5	−	−	10	10	1300
	Portland Bill ...	32	19.5	−6	WNW	4	o	61	92	59	7	5	−	−	10	10	2500
	Plymouth ...	86	20.1	−2	W	2	df	60	97	60	3	5	−	−	10	10	<150
	The Lizard ...	240	20.4	−10	W	4	dF	59	97	59	1	5	−	−	10	10	200
	Scilly (St. Mary's)	163	20.4	−12	WSW	4	df	60	97	60	2	−	−	−	10	10	<150
	Guernsey ...	175															
6	Pembroke ...	142	18.2	−6	W	4	dF	60	97	60	1	−	−	−	10	10	<150
7	Holyhead (Valley)	32	16.9	−16	SSW	3	id	59	85	56	8	5	−	−	10	10	2900
	Chester (Sealand)	16	17.5	−8	WSW	1	c	57	85	52	7	5	3	−	4-6	9	3500
8	Manchester ...	230	17.7	−2	SSW	3	zo	53	92	51	6	5	3	−	2-3	4-6	3000
10	Spurn Head ...	29	17.2	−4	W	4	bc	58	85	52	7	7	−	−	4-6	4-6	1500
	Catterick (Sc) ...	192	16.5	−6	−	0	bc	50	97	50	7	5	3	−	2-3	4-6	3500
	Tynemouth ...	108	16.4	−4	S	1	zo	55	85	50	6	5	−	−	10	10	1500
11	St. Abbs Head	280	15.9	−4	E	2	c	53	75	46	7	5	−	−	10	10	2500
	Leuchars ...	36	15.9	−4	ENE	2	c	53	75	45	7	5	−	−	7-8	10	2500
12	Renfrew (Abbotsl.)	19	14.7	−10	−	0	bc	51	92	49	8	5	−	−	4-6	4-6	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	15.6	−14	−	0	c	55	92	52	8	5	−	−	9	9	4000
13A	Tiree ...	44	15.0	−18	−	0	c-bc	52	92	50	9	5	−	−	7-8	7-8	5700
13B	Stornoway ...	12	16.4	−8	NE	2	c	51	75	43	8	5	7	−	4-6	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	16.3	−2	NW	2	c	57	85	52	8	5	7	−	7-8	9	3000
	Wick ...	114	16.1	−4	W	1	b-bc	45	97	45	8	5	−	−	2-3	2-3	4000
16	Sumburgh ..	19	13.9	+4	NW'W	4	c	49	75	40	7	5	−	−	9+	9+	2000
17	Blacksod Point	18	14.9	−14	W'S	3	dd	58	97	57	6	6	2	−	2-3	10	1500
18	Malin Head ...	84	14.0	−18	NE	1	ir.	55	85	51	8	5	−	−	10	10	1500
	Aldergrove ...	268	15.3	−6	−	0	c	55	85	50	8	5	−	−	9	9	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17.8	−14	SW'W	3	dd	57	97	56	6	5	−	−	10	10	450
	Roches Point	22	17.2	−10	SW	3	c	60	97	59	8	5	−	−	9+	9+	1500

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

Stations	Barom. at M.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)	17.2	−8	SW	1	zo	60	85	54	6	5	7	−	4-6	9+	4000	0	*
Croydon ...	18.6	−6	SSW	2	c	58	85	53	6	5	7	−	7-8	9+	3500	0	*
S. Farnborough	17.4	−10	SW	1	do.	57	92	55	7	5	2	−	9+	10	600	1	*
Boscombe Down	17.9	−6	SW	2	do.	58	97	58	5	5	7	−	9	9+	400	1	*
Thorney Island	17.7	−8	SW'S	1	iD	60	92	59	5	5	7	−	9	10	800	1	*
Lympne ..	17.9	−6	W'N	2	c	57	85	53	7	5	−	−	9+	9+	3500	0	3
Manston ..	17.7	−2	WSW	1	zo	59	75	52	6	5	−	−	9+	9+	4000	0	*
Shoeburyness ...	17.8	−4	W'N	1	zo	60	85	55	5	5	−	−	9+	9+	4000	0	*
Felixstowe ...	17.0	−8	SW	1	c-bc	59	75	51	7	−	7	−	0	7-8	−	0	1
Gorleston ...	16.7	−2	WS	2	zo	54	85	50	6	5	3	−	7-8	9+	2500	0	2
Mildenhall ...	16.7	−4	SW'W	2	zo	55	85	51	6	5	3	2	1	7-8	4000	0	*
Cranwell ...	15.6	−8	SW	3	zo	57	85	52	6	5	3	2	4-6	9	4000	0	*
Birmingham ...	15.9	−6	SSE	2	zo	53	92	51	5	5	−	−	10	10	2500	1	*
Upper Hayford	16.6	−8	SSW	2	zo	55	92	51	6	5	−	−	10	10	1100	0	*
Ross-on-Wye	15.8	−12	SW'S	2	o	59	92	57	7	5	−	−	10	10	1000	0	*
Hartland Point	15.4	−10	W	4	id	59	97	59	5	5	−	−	7-8	10	500	1	4
Bristol ...	16.9	−10	SSW	2	id.	60	92	58	7	5	−	−	10	10	1500	1	*
Portland Bill ...	17.4	−8	W	3	id.	61	92	59	6	5	−	−	10	10	2500	1	4
Plymouth ...	17.6	−6	NSW	3	do.	61	97	61	4	5	−	−	10	10	100	1	1
The Lizard ...	16.6	−12	W	4	dF	59	97	59	1	5	−	−	10	10	200	1	3
Scilly (St. Mary's)	18.1	−6	WSW	4	df	60	97	60	2	−	−	−	10	10	<150	1	4
Pembroke ...	15.4	−10	W'S	4	c/d	58	97	58	7	8	−	−	10	10	1500	0	3
Holyhead (Valley)	13.7	−10	SW'S	3	f	59	97	59	3	−	−	−	10	10	<150	1	3
Chester (Sealand)	13.8	−16	S	3	c	57	85	52	6	5	3	−	4-6	9+	3500	0	*
Manchester ...	14.5	−16	S'E	3	zo	56	85	51	6	5	−	−	9+	9+	3000	1	*
Spurn Head ...	15.6	−8	SW	2	bc	57	85	50	7	7	3	−	4-6	4-6	1500	0	2
Catterick (Sc) ...	14.7	−10	SSE	1	zo	54	92	53	6	5	7	−	4-6	10	3000	0	*
Tynemouth ...	14.8	−8	S	2	m	56	85	51	4	5	−	−	7-8	9+	2300	1	2
St. Abbs Head	13.0	−10	SE	2	ro/o	52	92	51	6	5	2	−	7-8	10	1500	1	3
Leuchars ...	13.9	−6	E	3	ir.	53	85	49	8	5	−	−	10	10	2800	1	*
Renfrew (Abbotsl.)	12.4	−12	−	0	dr	51	97	50	4	5	2	−	7-8	10	1200	1	*
Eskdalemuir ...	12.5	−10	N	1	ro/o	50	97	49	5	−	2	−	10	10	900	1	*
Point of Ayre ...	11.5	−20	W	1	id.	58	97	57	8	8	−	−	1	10	1600	1	1
Tiree ...	12.0	−14	E	1	ir.	53	85	49	8	1	2	−	1	9+	2500	0	1
Stornoway ...	13.2	−18	ENE	3	c	51	75	45	8	8	3	−	7-8	9+	1200	0	2
Dalwhinnie ...	13.3	−6	SW	3	o	47	75	41	7	5	−	−	10	10	1500	0	*
Aberdeen † ...	14.5	−8	SW	1	c	50	85	46	8	7	−	−	Tr	10	2000	0	2
Wick ...	15.0	−6	W	1	c	48	97	48	9	5	7	−	4-6	9	5000	0	2
Sumburgh ..	12.4	−10	NWN	4	c	49	65	38	9	5	−	−	9+	9+	4000	1	*
Blacksod Point	12.0	−6	W	3	c/r	57	97	56	7	6	−	−	10	10	1500	1	3
Malin Head ...	09.8	−14	SSW	2	dr	57	97	56	7	−	2	−	10	10	1500	1	2
Aldergrove ...	11.5	−14	SSW	1	c	57	97	57	8	5	2	−	9	10	800	1	*
Birr Castle ...	13.4	+	WSW	2	id.	57	92	55	7	6	2	−	7-8	10	800	1	*
Valentia Obsy.	15.7	−4	WSW	4	c/r	57	97	56	7	5	−	−	9+	9+	800	1	3
Roches Point	14.9	−6	SW	2	c	59	92	57	8	5	−	−	7-8	7-8	1500	1	3

PAST 24 HOURS.

Stations	Temperatures Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 9h. Hrs. (38)
London (Kew)	71	55	40	−	−	9.4
Croydon ...	69	53	47	−	−	11.5
S. Farnborough	72	53	42	−	Tr	12.2
Boscombe Down	69	51	47	−	Tr	12.3
Thorney Island	73	53	47	−	Tr	*
Lympne ..	73	52	*	−	−	*
Manston ..	69	52	49	−	−	9.4
Shoeburyness ...	71	53	45	−	−	10.6
Felixstowe ...	66	55	51	−	−	6.4
Gorleston ...	66	53	48	Tr	−	0.5
Mildenhall ...	67	51	43	−	−	3.8
Cranwell ...	66	52	47	−	−	5.0
Birmingham ...	66	51	50	−	−	3.4
Upper Hayford	73	49	42	−	−	*
Ross-on-Wye	67	53	48	−	−	7.4
Hartland Point	62	58	58	−	1	4.9
Bristol ...	68	54	47	−	Tr	10.6
Portland Bill ...	65	59	*	−	0.1	*
Plymouth ...	68	59	57	−	0.3	10.7
The Lizard ...	65	58	*	0.6	1	5.0
Scilly (St. Mary's)	64	60	*	Tr	1	0.8
Pembroke ...	63	57	*	−	1	8.5
Holyhead (Valley)	65	58	57	−	Tr	*
Chester (Sealand)	64	56	52	−	−	3.6
Manchester ...	63	53	47	0.1	−	*
Spurn Head ...	64	55	*	−	−	2.7
Catterick (Sc) ...	65	49	44	−	−	3.3
Tynemouth ...	63	55	*	−	−	*
St. Abbs Head	60	51	*	−	1	*
Leuchars ...	66	52	50	−	Tr	8.6
Renfrew (Abbotsl.)	68	51	47	Tr	2	8.0
Eskdalemuir ...	64	45	34	−	0.4	7.4
Point of Ayre ...	65	54	*	−	Tr	4.2
Tiree ...	60	51	47	−	0.2	7.6
Stornoway ...	58	48	45	−	Tr	3.0
Dalwhinnie ...	59	45	41	0.2	−	4.3
Aberdeen † ...	60	47	45	0.4	−	7.0
Wick ...	56	45	43	−	−	*
Sumburgh ..	55	47	44	0.1	0.1	4.1
Blacksod Point	63	55	*	−	3	*
Malin Head ...	62	54	*	Tr	*	7.9
Aldergrove ...	63	52	53	Tr	5	2.3
Birr Castle ...	66	56	55	−	0.1	3.8
Valentia Obsy.	63	56	55	Tr	0.6	2.0
Roches Point	64	59	*	−	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

Station	13h. G.M.T. 9th August	18h. G.M.T.	01h. G.M.T. 10th August	07h. G.M.T.
100	87 25855 64585	87 02854 29486	5- 02855 26225	85 02953 28126
141	23 02954 32326	54- 02954 30226	87 02947 32226	54 02954 08226
203				
206	86 02964 20226	83 02964 28326	5- 02877 00027	51 61954 04227
210	86 81955 30526	54- 02963 31427	57 02964 20127	57 02986 14227
219	86 01854 30215	87 02863 31227	57 02874 08328	57 02975 06427
280	10 01962 26413	03 02990 28326	5- 02966 00026	37 22941 00088
241	2- 01954 30384	16 01951 31313	5- 01963 00023	57 02853 32X28
264	8- 01854 28224	5- 02756 04116	5- 05548 20228	5- 52458 00058
271	76 02855 53526	76 02865 28426	5- 02865 00025	02 51528 12158
272	7- 02976 26316	73 02974 22425	53 02863 24328	62 54544 18258
282	27 02855 26427			5- 53528 12358
288	7- 02867 24317	57 02856 04228	5- 02768 12228	53 02863 16226
570	8- 02857 28227	86 02964 28116	52 51745 16158	62 52625 24358
302	26 02845 26586	5- 02857 24327	53 02864 22316	57 22544 12468
325	50 02757 28427	43 05663 25325	07 05630 22124	
290		53 02755 30316	5- 02753 30223	54 02754 01115
330	5- 02944 26327	7- 02854 26327	50 01763 24113	07 05590 14128
316	5- 02628 26488			
614	77 05645 26327	57 05665 22227	53 05665 00025	53 05574 22127

Station	13h. G.M.T. 9th August	18h. G.M.T.	01h. G.M.T. 10th August	07h. G.M.T.
381	14 01863 23314	26 01862 21313	53 02765 17128	5- 58418 19-58
385	-- 02662 24215			-- 03556 00028
345	57 02955 63427	7- 02967 30227	50 01853 22215	5- 02644 16328
137	73 02755 24527	83 02945 01227	03 05630 20227	53 05675 20226
386	53 02754 28516	10 01755 28415		52 21644 16358
361	13 02854 26327	50 01864 27324	40 01763 18213	57 05654 19217
368	70 01964 24414	50 01963 24313	5- 62635 30268	5- 02857 24327
371	5- 02855 26425	40 01864 24324	00 00830 24210	-- 44309 26159
364	4- 01755 30415	50 02765 30325	00 05690 00000	5- 08467 16227
382	10 02855 61325	40 01963 26323	00 00830 00000	5- 52638 19228
432	74 02754 26515		00 00790 30300	
430	10 01963 25413		50 01762 24202	5- 52438 00058
406	54 02855 30326	5- 02847 23227	5- 57103 22358	5- 57208 22458

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 10th August

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	bcwcmo	
Croydon ...	cybcy	bcy	bccmo	Kew 24 h. ended 9 Max. Time
Greenwich ...	bcy	bccy	cbcdd	<0.1 Whole period
Camden Square	bc	bc	*	
Kensington ...	bc	cod	*	Min. Time
Hampstead ...	bc	o	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 13h % Yesterday	Humidity 9h % Today
Kew ...	71	55	40	−	−	9.4	*	*
Croydon ...	69	53	47	−	−	11.5	*	*
Greenwich ...	71	53	42	−	Tr	9.8	45	93
Westminster ...	73	55	49	0.2			51	96
Regents Park ...	71	54	47	−	Tr		43	92
Camden Square	71	55	50	−	Tr	*	*	90
Kensington ...	72	54	46	−	0.3		50	94
Hampstead ...	70	52	45	−	Tr		*	93

SECRET

Wednesday 11th August 1943

No. 29847

Page 1 BRITISH SECTION

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

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	14·0	-18	SSW	3	cbc	68	75	60	8	8	3	-	4-6	7-8	4000
	Croydon	15·1	-20	NSW	3	c	68	75	58	7	7	3	-	7-8	9	3000
	S. Farnborough	13·6	-24	SSW	3	cbc	73	55	57	8	7	7	1	7-8	7-8	2500
	Boscombe Down	14·4	-18	W'S	3	c	71	65	56	8	2	3	-	9	9+	2500
	Thorney Island	15·2	-12	SW	3	bc	71	85	64	8	8	7	-	4-6	4-6	2500
	Lympne	15·4	-18	WSW	4	id₀	60	85	52	6	5	-	-	7-8	9+	800
	Manston	15·5	-10	SSW	3	id₀	65	85	59	7	5	2	-	9	9+	1800
2	Shoeburyness	15·4	-20	SSW	3	c	70	75	60	8	5	1	-	9	9+	5700
	Felixstowe	14·5	-16	S'E	3	c	69	75	63	8	5	7	-	7-8	9+	4000
	Gorleston	14·3	-16	S'E	4	c	64	75	55	7	8	7	-	7-8	9	2500
	Mildenhall	13·4	-18	SW'W	3	c	69	65	58	8	5	-	-	4-6	10	2000
	Cranwell	11·9	-22	SW'S	4	c	67	75	58	7	7	7	--	7-8	10	2500
3	Birmingham	12·5	-6	SW	3	c	65	75	57	8	5	-	1	9+	9+	1500
	Upper Heyford	13·0	-22	SW'W	4	c	68	65	56	8	5	-	-	7-8	9+	2000
4	Ross-on-Wye	13·0	-14	WSW	4	c	66	75	56	8	5	5	2	4-6	9	2500
5	Hartland Point	14·2	-4	W	4	c/d	60	92	57	7	5	-	1	9	9+	800
	Bristol	14·2	-14	WSW	3	cbc	68	85	62	8	2	-	-	7-8	7-8	2800
	Portland Bill	15·3	-8	SW	4	c	62	92	59	7	5	2	-	7-8	10	2500
	Plymouth	16·2	-6	WSW	4	bc	64	97	63	8	5	3	-	2-3	4-6	1500
	The Lizard	16·5	-6	WNW	4	c/d	61	97	61	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	17·0	-6	W'S	5	c	64	85	59	7	5	-	-	9+	9+	1000
	Guernsey															
6	Pembroke	14·0	-8	W'N	4	c/pr	58	92	56	8	8	-	-	9	9	2000
7	Holyhead (Valley)	12·1	-6	SW	3	E	62	85	59	8	5	7	-	7-8	10	1500
	Chester (Sealand)	11·3	-12	W'S	2	c	68	65	55	8	5	-	1	9	9+	3000
8	Manchester	11·1	-22	SSW	4	c	65	75	57	8	8	-	-	7-8	9+	2500
10	Spurn Head	12·2	-26	SSW	3	cbc	66	65	53	8	7	3	-	4-6	7-8	2500
	Catterick (Sc)	11·2	-18	SE	1	z₀	65	75	57	6	5	-	-	10	10	2000
	Tynemouth	11·8	-10	SE	3	c/d	57	97	56	7	2	-	-	9	9	2200
11	St. Abbs Head	10·8	-10	E	2	r₀r₀	52	97	52	4	5	-	-	10	10	1000
	Leuchars	11·4	-8	SE	3	dr	52	97	52	5	5	2	-	7-8	10	600
12	Renfrew (Abbots I.)	09·9	-12	E	2	id₀	55	92	52	6	5	2	-	7-8	10	1000
	Eskdalemuir	09·9	-14	—	0	r₀r₀	55	92	53	6	-	2	-	10	10	900
	Point of Ayre	10·3	-8	NNW	4	b-bc	66	75	57	8	2	6	9	1	2-3	3000
13A	Tiree	10·4	-6	ENE	2	c/r	55	92	52	8	5	2	-	7-8	10	1000
13B	Stornoway	12·2	-6	NE	4	c	55	65	45	8	7	3	-	4-6	9+	2000
15	Dalwhinnie	11·0	-8	SW	3	ir₀	48	85	45	6	5	2	-	9	10	1500
	Aberdeen	12·6	-10	SSE	2	c	52	75	46	8	7	-	-	9	10	4000
	Wick	13·8	-4	NE	1	c	54	85	49	9	1	2	-	2-3	9	2500
16	Sumburgh	13·0	-2	N	1	d₀d₀	49	92	47	5	5	2	-	7-8	10	600
17	Blacksod Point	11·5	-2	W	4	c	60	85	55	8	5	-	-	10	10	1500
18	Malin Head	08·7	-4	W'S	3	dd	58	97	57	6	-	2	-	10	10	1500
	Aldergrove	09·5	-12	WSW	3	c	64	75	57	9	8	5	-	7-8	9	1500
19	Birr Castle	11·9	*	W	2	c	59	85	54	7	6	2	-	7-8	10	800
20	Valentia Obsy.	14·9	-6	W	4	id₀	59	92	57	6	5	-	-	10	10	800
	Roches Point	13·3	-8	W	3	c	63	75	55	8	8	-	-	9+	9+	1500

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

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)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	10·6	-14	SW	4	c-bc	70	75	61	8	1	8	6	2-3	7-8	4000	0	•
Croydon	11·7	+22	S	3	c-bc	71	65	59	8	4	4	2	2-3	7-8	2000	0	•
S. Farnborough	11·1	-14	SW'W	3	bc	70	75	62	8	8	8	4	2-3	4-6	2500	0	•
Boscombe Down	12·2	-8	W'N	4	c	68	65	58	8	2	9	4	1	9	3200	0	•
Thorney Island	12·8	-14	WSW	4	c-bc	66	85	61	9	5	3	2	2-3	7-8	1500	0	•
Lympne	12·2	-18	WSW	4	c-bc	65	85	59	8	5	3	-	7-8	7-8	800	0	5
Manston	11·7	-18	SW	4	bc	69	75	60	8	4	3	1	Tr	4-6	2000	0	•
Shoeburyness	12·0	-20	SSW	3	c-bc	70	75	62	8	5	3	-	4-6	7-8	4000	0	•
Felixstowe	10·8	-24	S'E	3	c	68	85	62	8	5	3	-	2-3	9	4000	0	3
Gorleston	10·6	-20	S	3	c	65	85	61	7	5	-	-	9+	9+	2400	0	4
Mildenhall	09·9	-18	W'N	2	c-bc	71	65	58	8	8	3	2	4-6	7-8	2500	0	•
Cranwell	08·8	-14	W'S	3	c-bc	68	65	57	7	5	3	-	4-6	7-8	2500	0	•
Birmingham	10·0	-10	WSW	4	c	65	75	57	8	5	7	-	4-6	9	2500	1	•
Upper Heyford	10·3	-16	WSW	5	bc	68	55	51	9	4	3	6	1	4-6	3500	0	•
Ross-on-Wye	11·3	-10	WSW	3	c	62	65	51	8	7	7	2	9	9	3000	0	•
Hartland Point	12·4	-12	W	4	c/d	59	97	58	6	5	-	-	7-8	9+	800	0	3
Bristol	12·8	-10	W'S	4	c	62	85	57	8	8	-	8	4-6	9	2500	0	•
Portland Bill	13·6	-6	W	5	c-bc	63	85	60	7	2	-	-	7-8	7-8	4000	1	5
Plymouth	14·4	-10	WSW	4	c-bc	63	85	57	8	5	7	-	7-8	7-8	1800	1	2
The Lizard	15·3	-6	WNW	5	c-bc/d	59	97	58	8	5	-	-	7-8	7-8	1000	1	4
Scilly (St. Mary's)	15·3	-14	W'N	5	c	60	85	54	8	5	-	-	9+	9+	1500	1	4
Guernsey																	
Pembroke	11·7	-10	W	5	cq	60	85	56	8	8	7	-	4-6	10	2500	0	3
Holyhead (Valley)	10·0	-10	SW	3	c	60	85	57	9	5	-	-	9+	9+	3000	1	2
Chester (Sealand)	09·9	-10	W	3	c	64	65	53	8	7	-	-	9+	9+	2200	0	•
Manchester	10·4	-2	NW	3	z₀	61	85	57	6	5	7	-	7-8	9+	2000	1	•
Spurn Head	09·4	-10	SSW	3	c	67	75	59	7	5	2	-	7-8	10	2500	0	1
Catterick (Sc)	07·9	-16	WSW	3	c-bc	63	85	57	8	2	3	9	4-6	7-8	3000	0	•
Tynemouth	08·0	-20	S	2	z₀	62	85	57	6	2	-	-	7-8	7-8	2400	1	3
St. Abbs Head	07·8	-10	E	3	r₀r₀f	54	97	54	2	5	-	-	10	10	1000	1	3
Leuchars	08·8	-16	NNE	2	rr	51	97	50	6	5	2	-	9+	10	200	1	•
Renfrew (Abbots I.)	08·1	-10	NE	1	dr	53	97	53	4	6	2	-	7-8	10	600	1	•
Eskdalemuir	06·2	-14	SW	3	iR	58	92	56	5	6	2	-	7-8	10	500	1	•
Point of Ayre	08·1	-6	W	4	c-bc	64	75	56	9	8	5	6	2-3	7-8	2500	0	3
Tiree	09·7	-2	N	3	b-bc	57	85	52	9	5	3	-	1	2-3	2500	0	2
Stornoway	12·0	0	NE	5	c	54	75	45	9	7	7	-	7-8	9+	4000	0	3
Dalwhinnie	10·0	-6	N	1	ir	48	92	46	6	5	-	-	10	10	1500	1	
Aberdeen	11·3	-12	E	2	r₀r₀	49	85	46	7	6	2	-	7-8	10	1500	1	2
Wick	12·8	0	ENE	1	c	52	92	49	9	5	7	-	Tr	10	2500	0	•
Sumburgh	22·8	-6	NNW	3	c	51	65	40	8	8	3	1	4-6	9	2500	1	2
Blacksod Point	11·7	+2	NW'N	4	c	58	85	53	8	6	-	-	9+	9+	2500	1	3
Malin Head	09·0	+4	NE'N	3	ir₀	55	92	53	8	5	2	-	2-3	10	1500	1	3
Aldergrove	08·2	-6	W	1	c/pr	59	92	58	8	8	-	-	9+	9+	1800	1	•
Birr Castle	10·8	*	W	1	c	62	75	54	8	5	1	-	7-8	10	2500	1	•
Valentia Obsy.	14·3	-2	WNW	4	c	59	92	57	7	5	-	-	10	10	800	1	3
Roches Point	12·2	-10	W'N	4	c	62	85	57	8	8	-	-	9+	9+	1500	1	3

PAST 24 HOURS.

Stations	Weather 7h.–13h. 10th (39)	Weather 13h.–18h. 10th (40)	Weather 18h. 10th to 1h. 11th (41)	Weather 1h.–7h. 11th (42)
London (Kew)	id₀bc	cbcc	c	cpr₀c
Croydon	cm₀ddom₀m₀	cccybcy	c	bccr₀r₀c
S. Farnborough	cdom₀c	bcybccybc	bccid₀c	cr₀m₀ir₀
Boscombe Down	cd₀d₀m₀c	cbccybc	ccid₀ccir₀	cir₀cid₀
Thorney Island	cid₀bc	bccbcc	cbcc	crd₀c
Lympne	cid₀dom₀	cid₀m₀bcc	cbc	cid₀
Manston	c2₀c	cid₀cbc	bcc	bcc
Shoeburyness	cdom₀	c	c	c
Felixstowe	cbccyc	c	cbcc	cm₀cid₀c
Gorleston	cyc	c	c	c
Mildenhall	bcc	c	c	c
Cranwell	c	c	cm₀	cm₀cir₀
Birmingham	cbcc	cbcc	c	cpr₀
Upper Heyford	cm₀om₀c	cbcy	c	cd₀d₀m₀c
Ross-on-Wye	docc	c	c	cpc
Hartland Point	cold	cid	cidrr	cprbc
Bristol	cidom₀cidoc	cbcc	cdr₀pr₀m₀ir₀	cr₀r₀irm₀c
Portland Bill	oif	c	c	cprc
Plymouth	ododobc	bc	cdcrr	cm₀r₀r₀c
The Lizard	difbc	cidc	cprc	cprbc
Scilly (St. Mary's)	odfdfc	cp₀c	cpc	cpc
Guernsey				
Pembroke	ldfcprq	cq	cqbc	bccprq
Holyhead (Valley)	om₀c	c	c	errc
Chester (Sealand)	cm₀,c	c	c	cpr₀ir₀
Manchester	cm₀z₀c	cjpm₀	cm₀pr₀	cirpr₀m₀
Spurn Head	c	cm₀	cm₀	cpr₀r₀r₀
Catterick (Sc)	cm₀	cpr₀c	cbc	cr₀c
Tynemouth	oddm₀	cm₀	cm₀prc	oir₀
St. Abbs Head	cirm₀cmrr	cmrrFr₀r₀	om₀r₀orr	orrcrrer₀
Leuchars	cir₀cdrm₀	crrm₀	rm₀cir₀	cir₀c
Renfrew (Abbots I.)	cr₀dr₀m	cdrdr	cr₀d₀m₀cd	d₀cd₀dc
Eskdalemuir	oir₀	or₀m₀iR	cPRc	c
Point of Ayre	cidoc	cbc	r₀r₀ir₀	ir₀c
Tiree	cir₀c	cir₀cb	bc	bc
Stornoway	c	c	c	c
Dalwhinnie	orrmr₀r₀	oir		oirc
Aberdeen	circ	crrr₀r₀	cr₀r₀rrc	c
Wick	c	c	cid₀c	c
Sumburgh	cd₀d₀	cm₀d₀d₀c	c	c
Blacksod Point	c	d	r:	pr
Malin Head	d	d	r	bc
Aldergrove	ccid₀pr₀rc	cPRc	c	cpr₀c
Birr Castle	d	c		bc
Valentia Obsy.	pr	d	pr	pr
Roches Point	c	c	pr	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 11th August

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands	Light or moderate north to northwest wind. Scattered showers today with local thunderstorms; fair to-morrow; rather cool.
4 W. Midlands, 5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England, 11 S.E. Scotland, 12 S.W. Scotland & Isle of Man, 13A W. Scotland	Moderate northerly winds, backing and decreasing. Cloudy with scattered showers to-day, especially in the East; considerable clear areas tonight: rather cool.
13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Winds mainly between west and north, light or moderate; variable cloud and showers: rather 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 northerly winds backing southwest. Cloudy with scattered showers to-day; rain in the West late in period: rather cool.

GENERAL INFERENCE

A depression over the southern North Sea and a ridge of high pressure west of Britain are moving east. A small depression near the Faeroes will move slowly southeast. There will be scattered showers in most districts with local thunderstorms at first in the Southeast.

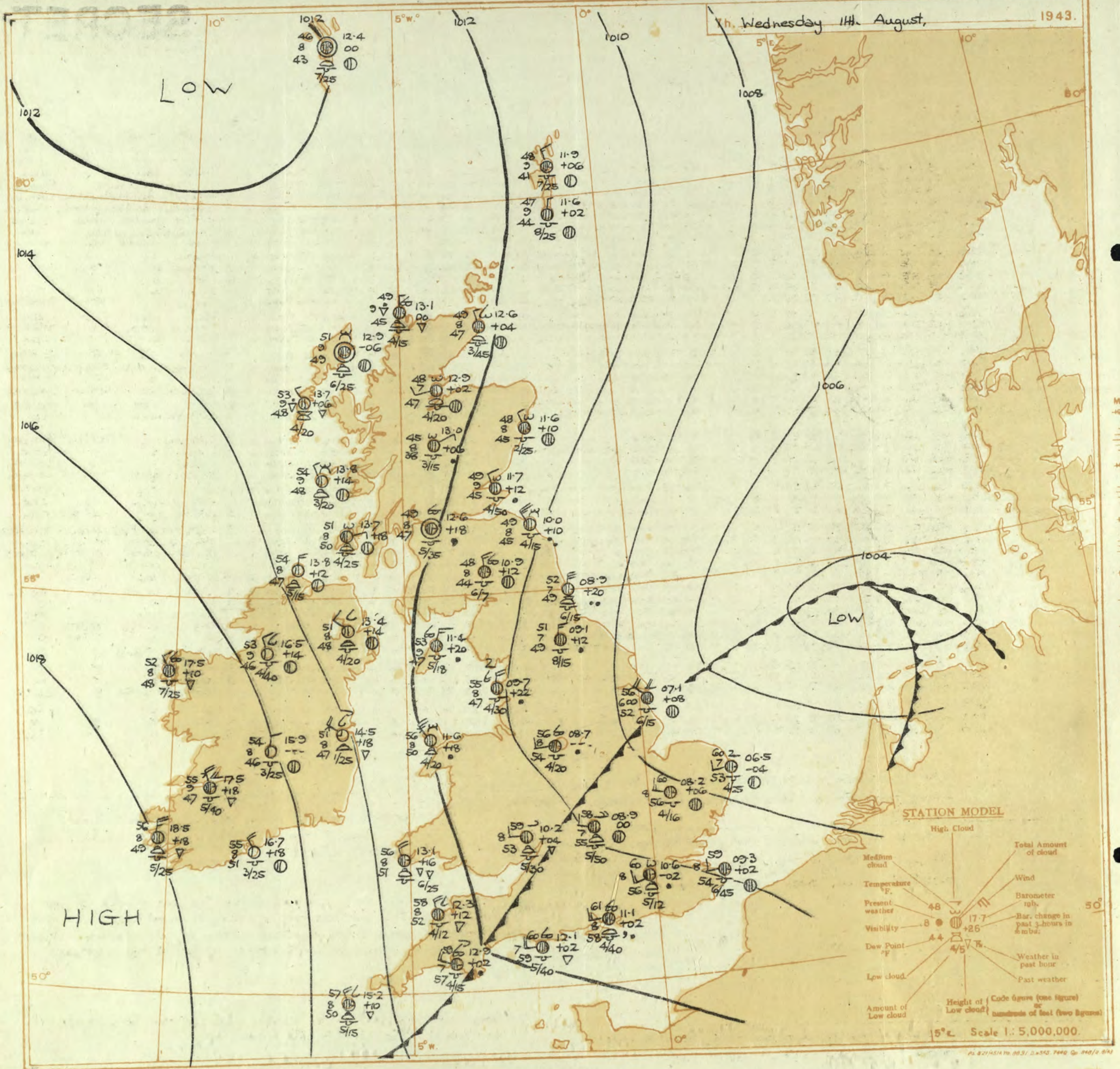
FURTHER OUTLOOK

Rain spreading east across western and northern districts of the British Isles. Fair in the Southeast.

Forecasts issued at 1300

NELSON K. JOHNSON, K.C.B., D.Sc. Director

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

Page 4.

BRITISH SECTION

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

Wednesday 11th August 1943

No. 29847

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

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	280	11·3	−10	SW	3	bc	59	85	54	7	5	7	−	2-3	4-6	3500
	S. Farnborough	226	10·4	−14	WN	3	c/d	60	85	53	7	5	−	−	9+	9+	3000
	Boscombe Down	417	11·7	−6	WSW	2	iro	57	85	54	8	5	7	−	7-8	10	2500
	Thorney Island	10	12·1	−4	W	3	c	61	85	55	8	5	−	2	4-6	9	3600
	Lympne	283	10·6	−12	W	2	b-bc	59	97	58	7	5	−	−	2-3	2-3	1800
	Manston	154	09·6	−12	WSW	3	c	62	85	57	7	5	−	−	7-8	7-8	3300
2	Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Felixstowe	12	08·8	−10	WSW	3	c-bc	62	75	55	7	5	3	−	4-6	7-8	4000
	Gorleston	5	08·3	−6	WSW	2	c	61	75	54	7	5	−	−	9	9	1500
	Mildenhall	15	08·4	−6	WSW	3	c	59	85	54	7	5	7	−	4-6	9	4000
	Cranwell	203	07·8	−6	WSW	3	zo	57	92	55	6	5	−	−	10	10	2500
3	Birmingham	535	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Upper Heyford	408	09·9	−8	W	3	c	57	85	53	7	5	7	−	4-6	9+	4400
4	Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5	Hartland Point	299	11·3	−6	W	4	c/r	58	97	58	7	6	2	−	7-8	9+	1500
	Bristol	209	11·5	−8	WSW	2	ro ro	58	97	58	6	5	2	−	4-6	10	1100
	Portland Bill	32	12·7	−4	W	5	c-bc	60	85	56	7	5	−	−	7-8	7-8	4000
	Plymouth	86	13·4	−8	W	3	o/r	58	92	58	7	5	−	−	10	10	1700
	The Lizard	240	14·0	−6	WNW	5	c	57	97	57	7	5	−	−	9+	9+	1500
	Scilly (St. Mary's)	163	14·7	−6	WN	5	c	58	85	54	8	8	7	−	7-8	10	1200
	Guernsey	175															
6	Pembroke	142	11·5	0	WNW	4	b-bc	59	85	55	8	2	−	−	2-3	2-3	2500
7	Holyhead (Valley)	32	10·3	−4	W	3	c	58	97	57	8	5	3	−	9	9+	2000
	Chester (Sealand)	16	08·6	−8	WNW	2	c	60	85	55	7	5	7	−	7-8	9+	2300
8	Manchester	230	08·2	−10	SWW	2	zo	58	85	54	6	8	−	−	7-8	10	1100
10	Spurn Head	29	06·9	−14	WS	4	zo	60	85	54	6	7	2	−	7-8	10	1500
	Catterick (Sc)	192	06·2	−6	−	0	ido	57	92	55	7	5	7	−	4-6	10	1400
	Tynemouth	108	06·8	−6	N	4	c-bc	56	85	52	7	8	−	−	7-8	7-8	2500
11	St. Abbs Head	280	08·3	+14	N	4	roro	49	92	47	7	5	−	−	10	10	1500
	Leuchars	36	09·1	−8	NNE	2	iro	48	92	46	7	5	2	−	4-6	10	3600
12	Renfrew (Abbots I.)	19	10·3	+10	EN	2	dodo	48	85	54	7	5	−	−	10	10	1500
	Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Point of Ayre	30	07·9	0	N'W	4	iro	57	92	55	7	6	2	−	7-8	10	1000
13A	Tiree	43	11·4	+8	NNW	2	bc	53	85	49	9	8	−	−	4-6	4-6	2000
13B	Stornoway	12	13·6	+6	NE	3	c	53	85	47	8	5	7	−	4-6	9	1800
15	Dalwhinnie	1176	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Aberdeen †	79	10·9	−4	NW	2	c	46	92	45	7	5	2	−	4-6	9+	1500
	Wick	116	12·4	−2	NNE	2	c	50	92	47	8	5	−	−	4-6	9+	3000
16	Sumburgh	19	11·6	−2	N'E	2	c	46	75	39	7	5	−	−	9	9+	2000
17	Blacksod Point	18	15·8	+14	N'W	5	b-bc	55	75	48	8	8	−	−	2-3	2-3	2500
18	Malin Head	84	11·7	+10	N	4	bc	54	75	46	8	2	−	−	4-6	4-6	1500
	Aldergrove	268	10·6	+12	NNW	1	bc	53	85	49	7	5	−	−	4-6	4-6	1500
19	Birr Castle	178	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20	Valentia Obsy.	30	16·1	+6	NW'N	3	c/pr	56	85	51	8	8	−	−	9+	9+	2500
	Roches Point	22	14·0	+8	NW	5	bc	57	85	52	8	5	−	−	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 11th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 10th Hrs. (38)
London (Kew)	09·7	−2	WSW	3	c	61	85	56	8	5	7	−	7-8	9+	1500	0	•	73	59	56	0·1	Tr	3·1
Croydon	10·6	−2	SW	3	c	60	85	56	8	8	3	−	7-8	9	1200	0	•	75	57	55	0·1	0·3	4·3
S. Farnborough	09·9	+2	W	3	c	59	85	56	8	5	7	4	4-6	9	1000	0	•	75	57	54	Tr	0·2	5·2
Boscombe Down	11·1	−2	W N	2	c	58	92	56	7	2	7	−	1	9+	2000	1	•	76	56	55	Tr	1	5·8
Thorney Island	11·1	+2	WS	3	c/d	61	85	58	8	7	7	−	4-6	9+	4000	1	•	72	58	56	−	Tr	•
Lympne	10·0	+2	W	2	c/d	58	92	55	8	5	−	−	9+	9+	3000	0	3	67	53	53	Tr	−	2·1
Manston	09·3	+2	WSW	2	c	59	85	54	8	5	−	−	9	9+	4500	0	•	71	57	56	Tr	−	5·2
Shoeburyness	10·2	0	WSW	3	c	61	85	56	8	5	7	−	7-8	10	1500	0	•	74	59	55	Tr	−	4·0
Felixstowe	08·1	−2	SWW	3	c	60	85	56	7	5	−	−	10	10	4000	0	4	71	58	56	−	Tr	5·1
Gorleston	06·5	−4	WS	2	c	60	75	53	7	5	−	5	4-6	9	2500	0	2	69	57	53	−	−	3·5
Mildenhall	08·2	+6	W	3	c	60	85	56	8	5	−	−	4-6	9+	1600	0	•	72	57	54	−	−	3·8
Cranwell	08·2	+12	NNW	4	iro	56	85	52	7	5	−	−	10	10	1500	0	•	70	55	55	−	−	0·5
Birmingham	08·9	+2	W	4	zo	57	92	55	6	5	−	−	9+	9+	4000	1	•	69	56	54	−	Tr	1·3
Upper Heyford	08·9	0	WN	2	c-bc	58	92	55	7	8	−	2	7-8	7-8	5000	0	•	73	55	52	−	Tr	•
Ross-on-Wye	10·2	+4	W	2	c-bc	59	85	53	8	8	−	1	7-8	7-8	3000	1	•	69	56	54	Tr	0·2	0·9
Hartland Point	12·3	+12	NNW	4	c-bc	58	85	52	8	5	4	−	4-6	7-8	1200	1	4	61	57	56	0·4	5	1·0
Bristol	11·3	+6	WNW	2	c	59	92	56	7	8	−	1	7-8	9	6500	0	•	71	57	53	Tr	1	4·4
Portland Bill	12·1	+2	W	4	c	60	92	59	7	5	6	−	7-8	10	4000	1	4	63	59	•	−	0·4	•
Plymouth	12·9	+2	WNW	3	c	59	92	57	7	5	7	1	4-6	9+	1500	1	2	68	57	56	Tr	0·5	5·9
The Lizard	14·0	+8	NW	4	bc	57	92	55	8	8	6	−	4-6	4-6	2000	1	4	63	55	•	0·3	1	1·1
Scilly (St. Mary's)	15·2	+10	NWN	4	c	57	75	50	8	8	4	−	7-8	9+	1500	1	4	64	57	•	0·2	0·4	1·6
Guernsey																							
Pembroke	13·1	+16	NNW	4	c/pr	56	85	51	8	8	−	−	9	9	2500	1	3	61	55	•	Tr	1	0·6
Holyhead (Valley)	11·6	+18	NWN	5	c-bc	56	85	50	8	2	6	−	4-6	7-8	2000	1	3	64	54	52	−	1	•
Chester (Sealand)	09·6	+14	NNW	4	c/r	57	85	53	7	8	−	−	9	9	2500	1	•	71	57	43	−	3	2·6
Manchester	08·4	+8	SWW	3	zo	57	92	55	5	2	3	−	4-6	7-8	2500	1	•	69	56	56	−	0·1	•
Spurn Head	07·1	+6	NW	4	zo	56	85	52	6	5	2	−	9	10	1500	1	3	67	55	•	−	Tr	4·1
Catterick (Sc)	09·1	+12	N	3	c	51	92	49	7	5	−	−	10	10	1500	1	•	67	50	50	Tr	1	1·4
Tynemouth	08·9	+20	N	6	c/r	52	92	49	7	9	−	−	9	9	1500	1	4	62	51	50	1	0·2	•
St. Abbs Head	10·0	+10	NNW	5	c-bc/d	49	85	45	8	5	6	−	4-6	7-8	1500	1	4	55	47	•	2	6	•
Leuchars	11·7	+12	NW	2	c-bc	49	85	45	9	5	3	−	4-6	7-8	5000	1	•	62	47	45	10	8	0·0
Renfrew (Abbots I.)	12·6	+18	−	0	c	49	92	47	8	5	7	−	7-8	9	3500	1	•	55	47	46	3	1	0·0
Eskdalemuir	10·9	+12	N'W	3	c	48	85	44	8	5	7	−	9	9+	1700	0	•	61	45	43	7	5	0·3
Point of Ayre	11·4	+20	NE'N	3	c	53	85	47	9	5	7	−	7-8	9+	1800	1	4	70	52	•	−	3	4·9
Tiree	13·8	+14	NNW	1	bc	54	85	48	9	2	6	−	2-3	4-6	2000	0	1	59	50	45	0·6	−	2·1
Stornoway	12·9	−6	−	0	c	51	92	49	9	8	6	−	9	9+	2500	0	1	55	46	42	−	−	1·5
Dalwhinnie	13·0	+6	NE	2	c-bc	45	92	43	8	5	3	−	2-3	7-8	1500	1	•	50	42	41	4	3	0·0
Aberdeen †	11·6	+10	NWN	1	c	48	85	45	8	5	3	−	1	9+	2500	1	1	53	46	44	5	12	0·0
Wick	12·6	+4	NNW	1	cjp	49	92	47	8	7	5	−	2-3	9+	4500	0	•	55	47	45	−	Tr	•
Sumburgh	11·6	+2	N	1	c	47	85	44	9	5	−	−	10	10	2500	0	2	54	46	42	2	−	0·6
Blacksod Point	17·5	+10	NNW	2	c	52	85	48	8	8	−	−	9+	9+	2500	1	2	62	51	•	0·3	2	•
Malin Head	13·8	+12	N	4	c-bc	54	75	46	8	2	−	−	7-8	7-8	1500	1	3	61	53		5	0·1	0·0
Aldergrove	13·4	+14	NWW	2	bc	51	85	48	8	8	4	−	4-6	4-6	2000	1	•	67	49	46	1	3	2·3
Birr Castle	15·9	*	N	2	b-bc	54	75	46	8	5	−	−	2-3	2-3	2500	1	•	63	49	46	0·1		0·0
Valentia Obsy.	18·5	+18	N	5	c-bc	56	75	48	8	8	−	−	7-8	7-8	2500	1	4	60	55	51	0·2	0·5	0·2
Roches Point	16·7	+18	NNW	4	b-bc	55	85	47	8	5	−	−	2-3	2-3	2500	1	3	64	55	•	−	Tr	•

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 10th August $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 11th August $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
100				5-	02966	03326	58	02865	03327	57	02964	31226
115	23	02954	08226	24	02954	08426	32	02944	04227	87	81944	32187
203				5-	03986	04428						
206	52	02966	08468	52	62856	06368	5-	61868	00068	73	02754	20125
210	57	02955	07328	57	61954	10368	52	61855	04368	53	02946	30346
212	83	02985	04526	4	02954	04524	80	01954	02314	33	81944	30184
220	52	52646	06168				5-	62858	00068	80	01963	00063
246	52	52755	06368	62	66637	06468	02	22600	32168	53	01963	30125
260	5-	52538	06328	5-	64438	04268	02	57338	04468	5-	02768	24228
278	7-	02855	22226	57	02846	28328	5-	02847	31428	53	02855	01426
279	8-	02846	22426	57	02845	19526	5-	02858	02628	57	81855	02487
286	51	05625	22327							5-	52528	30358
288	53	08464	17367	86	02954	21425	53	02865	18217	62	52545	30458
378	26	02944	24356	87	81745	22385	50	02763	28213	54	01963	29213
301	62	51636	22368	57	02966	22358	5-	02836	26426	59	02864	32465
331	23	05654	18326	57	02754	20327	57	05675	26228	5-	02748	28468
299	83	05644	18314	5-	05647	18427	80	01754	22214	8-	02747	28517
296				57	02952	24377	5-	02865	18115	5-	02748	37368
318										--	63428	24288
314	5-	05654	20228	25	02764	23327	57	05665	24328	57	02555	02268

III	13h. G.M.T. 10th August $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 11th August $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
386	5-	21745	25358	5?	02846	20327	52	21666	24358	23	01753	65424
384	--	03665	26128									
340	7-	21944	20357	57	02944	55427	57	02866	22268	77	25845	22287
136	73	02865	20326	57	02853	18366	57	02867	22328	53	02846	22227
336	53	01754	20315	53	01753	24315				21	25753	28486
350	5-	92844	20327	19	02862	22326	07	02790	20228	xx	02765	23327
388	5-	21744	14764	53	21745	24357	5-	22655	24465	83	02854	28326
379	5-	02846	20427	13	02853	20427	50	02855	22328	5-	61743	23367
390	83	05634	22225	47	02752	22227	57	05665	22327	57	02764	22225
392	7-	02857	22327	56	02853	26315	5-	02777	23227	53	02764	21227
438				--	46259	20549				8-	25647	24587
430	24	02856	22426	53	02735	21427	5-	02734	26326	5-	21848	22358
409	5-	21738	58458	5-	61728	56428	5-	61646	25468	54	02846	31467

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

‡ See disturbance reported from Dungeness. † 0lh. observations from Dyce.

TERMS OF SUBSCRIPTION. Single Copies, 1d. each, by post 1½d. 3/6 per month; 8/6 per quarter; 25/- per year.

LONDON OBSERVATIONS

For the 24 hours ending morning of 11th August. 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	id.bc	cbcc	c prc
Croydon	em.d.ido	ocybcy	bccrroc
Greenwich	croc	cbcy	crc
Camden Square	cro	c	•
Kensington	bc	bcp	•
Hampstead	bc	o	o

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hrs. ended 7h: Max. 0·1, Time: Whole period. Min. Time.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 13h % Yesterday	Humidity 9h % To-day
Kew	73	59	56	0·1	Tr	3·1	•	•
Croydon	75	57	55	0·1	0·3	4·3	•	•
Greenwich	77	58	55	Tr	0·3	4·6	53	74
Westminster	74	59	56	Tr			64	79
Regents Park	75	59	56	Tr	−		59	70
Camden Square	77	59	56	Tr	−	•	•	74
Kensington	76	59	56	Tr	0·1		62	76
Hampstead	75	56	54	−	−		•	79

SECRET

Page 7

BRITISH SECTION

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

Thursday 12th August 1943

No. 25848

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

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)	11·3	+12	NW	3	pr	67	55	48	8	8	7	–	9	9+	2500
	Croydon ...	11·5	+8	NW	3	c-bc	66	45	41	8	8	6	–	4-6	7-8	2500
	S. Farnborough	11·6	+12	NNW	3	c	65	55	50	8	8	7	–	9	9+	2500
	Boscombe Down	12·6	+12	NW'N	4	c	66	55	51	8	8	7	–	4-6	9	3000
	Thorney Island	11·9	+4	WNW	4	c	65	55	52	9	8	6	–	4-6	9	4000
	Lympne ...	10·3	+2	W	3	bc	70	65	58	8	3	–	–	4-6	4-6	2500
	Manston ...	09·8	+4	NW'N	3	c	65	65	54	8	2	6	–	7-8	9	2500
	Shoeburyness ...	10·8	+10	NNW	3	c	65	65	53	8	7	7	–	7-8	9+	2500
	Felixstowe ...	10·2	+16	NW'N	4	c/pr	62	85	56	7	5	6	–	4-6	9+	2500
	Gorleston ...	09·0	+18	NW'N	4	c	60	75	50	7	8	2	–	4-6	9+	1500
	Mildenhall ...	11·0	+18	NW'N	3	pr	60	85	54	7	8	–	–	7-8	9+	1800
	Cranwell ...	12·5	+14	NW'N	4	c	60	65	49	8	8	–	–	7-8	9+	1000
3	Birmingham ...	12·9	+20	NNW	4	zo	58	75	50	6	5	–	–	9+	9+	2500
	Upper Heyford	12·4	+30	N'W	4	c/pr	58	75	50	6	3	6	–	9	9+	2500
4	Ross-on-Wye	13·3	+16	N	4	c-bc	63	55	48	8	8	–	–	7-8	7-8	3500
5	Hartland Point	16·1	+18	NW	4	bc	58	75	51	8	2	4	–	2-3	4-6	2000
	Bristol ...	13·8	+22	NNW	4	c-bc	64	65	50	8	8	–	–	2-3	7-8	3000
	Portland Bill ...	13·7	+10	W	4	c	64	75	57	8	2	–	–	9	9	4000
	Plymouth ...	16·3	+18	NNW	4	c-bc	62	75	53	8	8	–	–	4-6	7-8	3000
	The Lizard ...	17·0	+16	WNW	5	bc	63	75	54	8	2	–	–	4-6	4-6	3000
	Scilly (St. Mary's)	19·0	+20	NNW	4	c-bc	64	65	51	8	8	6	–	7-8	7-8	1800
	Guernsey ...															
6	Pembroke ...	17·5	+20	N	4	bc	60	75	50	8	2	–	–	4-6	4-6	2500
7	Holyhead (Valley)	16·1	+20	NW	4	bc	60	65	48	9	2	6	–	2-3	4-6	2500
	Chester (Sealand)	14·4	+22	NNW	5	c-bc	59	65	47	8	2	–	–	7-8	7-8	3000
8	Manchester ...	13·8	+24	NNE	3	zo	58	75	50	6	2	6	–	9	9+	2500
10	Spurn Head ...	11·7	+24	N	6	c-bc	58	75	50	7	7	4	–	4-6	7-8	1500
	Catterick (Sc) ...	13·3	+20	N	3	c	54	85	50	7	5	–	–	10	10	1200
	Tynemouth ...	13·3	+18	N	6	c-bc	55	75	47	7	8	–	–	7-8	7-8	1600
11	St. Abbs Head	12·9	+8	NNW	3	b-bc	53	75	44	9	1	4	–	2-3	2-3	4000
	Leuchars ...	13·1	+4	WNW	2	bc	59	55	44	9	3	7	–	4-6	4-6	2500
12	Renfrew (Abbots I.)	13·9	+6	WSW	1	c-bc	60	55	43	9	3	–	–	7-8	7-8	3500
	Eskdalemuir ...	13·2	+8	NW'W	1	pr	57	55	43	8	8	4	–	4-6	4-6	2100
	Point of Ayre ...	15·4	+20	NNW	2	bc	60	75	50	8	2	7	–	2-3	4-6	2000
13A	Tiree ...	15·8	+10	NW	2	bc	57	75	48	9	2	6	–	4-6	4-6	2500
13B	Stornoway ...	13·3	+2	WNW	4	c-bc/pr	57	65	45	9	2	6	–	7-8	7-8	1800
15	Dalwhinnie ...	13·5	-6	N	1	c-bc	56	55	41	8	8	–	–	7-8	7-8	2500
	Aberdeen ...	13·0	+8	NNW	3	c-bc	56	55	41	9	2	3	–	7-8	7-8	2500
	Wick ...	13·3	+2	NNW	1	c-bc	54	85	50	9	2	7	–	4-6	7-8	2500
16	Sumburgh ...	11·9	+2	NW	2	c	51	75	41	9	7	–	–	7-8	9+	2500
17	Blacksod Point	20·0	+10	NW	4	c-bc	60	65	48	8	8	–	–	7-8	7-8	2500
18	Malin Head ...	16·3	+14	NNW	3	pr	56	75	48	8	2	–	–	4-6	4-6	2500
	Aldergrove ...	16·5	+14	NW	2	pr	59	65	45	9	8	–	–	7-8	7-8	3000
19	Birr Castle ...	18·3	*	NNW	2	c-bc	60	65	48	8	8	–	–	7-8	7-8	1500
20	Valentia Obsy.	21·4	+10	NNW	5	bc	60	55	44	9	1	–	1	4-6	4-6	2500
	Roches Point	19·4	+10	N	4	bc	63	65	51	9	2	–	–	4-6	4-6	2500

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

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)	14·9	+18	NNW	3	c-bc	62	55	45	7	8	3	–	7-8	7-8	2500	0	*
	Croydon ...	15·2	+18	NNW	2	c	61	65	49	8	8	–	–	4-6	9+	2000	0	*
	S. Farnborough	15·0	+20	NNW	2	zo	63	55	48	6	5	7	–	4-6	4-6	5700	0	*
	Boscombe Down	15·6	+12	N'W	3	bc	63	55	44	8	2	6	–	4-6	4-6	4000	0	*
	Thorney Island	14·6	+18	NNW	4	bc	64	85	59	8	8	4	–	4-6	4-6	4000	0	*
	Lympne ...	14·0	+26	N'E	3	c	60	75	50	7	2	–	–	Tr	9+	3400	0	§3
	Manston ...	13·5	+22	NNW	4	c	60	75	53	7	5	6	–	2-3	9	2000	1	*
	Shoeburyness ...	14·7	+30	N'W	3	c	60	65	49	8	7	3	–	4-6	9+	1500	0	*
	Felixstowe ...	13·2	+18	NW	4	c	60	65	48	8	1	–	–	7-8	9	4000	0	3
	Gorleston ...	12·8	+24	NNW	5	c-bc	59	75	49	7	2	7	–	4-6	7-8	2000	0	3
	Mildenhall ...	14·5	+10	NNW	2	c-bc	56	85	51	8	8	4	–	4-6	7-8	2500	1	*
	Cranwell ...	14·8	+10	NNW	3	c-bc	57	65	47	8	8	3	–	4-6	7-8	2500	1	*
3	Birmingham ...	15·6	+12	NW	4	b-bc	60	55	45	7	1	–	–	2-3	2-3	2500	1	*
	Upper Heyford	14·9	+16	NW'N	3	zo	61	55	45	6	2	6	–	2-3	2-3	3000	0	*
4	Ross-on-Wye	16·0	+10	NE'E	3	bc	61	55	43	9	7	–	–	4-6	4-6	3500	0	*
5	Hartland Point	18·4	+12	NW	3	b-bc	59	75	49	9	1	–	–	2-3	2-3	2500	0	3
	Bristol ...	16·2	+14	NW	4	bc	62	65	49	9	8	–	–	4-6	4-6	5500	0	*
	Portland Bill ...	15·6	+8	WNW	4	bc	64	75	56	8	2	–	–	4-6	4-6	4000	1	4
	Plymouth ...	18·4	+14	NW'N	4	b-bc	61	65	51	9	1	4	–	2-3	2-3	3000	0	2
	The Lizard ...	18·7	+2	NW	3	bc	60	65	48	8	1	6	–	4-6	4-6	3000	0	3
	Scilly (St. Mary's)	10·6	+8	NNW	4	bc	61	65	50	8	1	–	5	2-3	4-6	1800	0	4
	Guernsey ...																	
6	Pembroke ...	19·8	+8	NW'N	2	b-bc	60	75	50	8	2	6	–	2-3	2-3	2500	0	2
7	Holyhead (Valley)	17·7	+6	NW'W	4	c-bc	58	75	50	8	8	6	–	4-6	7-8	3000	1	2
	Chester (Sealand)	16·2	+10	NW'N	4	bc	58	75	48	8	2	–	–	4-6	4-6	3000	0	*
8	Manchester ...	15·7	+10	N'E	3	zo	57	65	45	6	2	6	–	4-6	4-6	2500	1	*
10	Spurn Head ...	14·4	+10	N'W	5	bc	57	75	48	7	2	3	–	2-3	4-6	1500	0	4
	Catterick (Sc) ...	15·4	+18	W	2	c-bc	57	65	47	8	8	7	–	4-6	7-8	1500	1	*
	Tynemouth ...	15·6	+10	NNE	4	bc	54	75	45	8	2	3	–	4-6	4-6	2000	0	3
11	St. Abbs Head	13·7	+6	NNE	1	c-bc	55	75	46	9	1	4	–	4-6	7-8	3500	0	3
	Leuchars ...	13·8	+2	ENE	2	pr	55	85	49	8	8	7	–	7-8	9	1000	1	*
12	Renfrew (Abbots I.)	15·0	+12	WNW	3	bc	56	65	46	9	2	6	–	4-6	4-6	2500	1	*
	Eskdalemuir ...	14·4	+6	NNW	3	c-bc/pr	54	65	44	8	5	3	–	4-6	7-8	2700	1	*
	Point of Ayre ...	16·4	+8	NW'N	5	b-bc	59	75	51	8	2	4	–	Tr	2-3	2500	0	4
13A	Tiree ...	16·3	+2	WNW	3	b-bc	55	85	49	9	2	6	–	1	2-3	2000	0	2
13B	Stornoway ...	14·2	+6	WNW	4	c-bc	55	75	45	9	2	6	–	4-6	7-8	2000	0	2
15	Dalwhinnie ...	14·0	+6	WNW	3	c-bc	51	65	40	8	5	–	–	7-8	7-8	2500	0	*
	Aberdeen ...	13·7	+6	SW	2	pr	53	65	42	8	8	–	–	7-8	7-8	3500	1	2
	Wick ...	13·0	-2	SSW	1	c/pr	52	97	52	9	8	–	–	9	9	4500	1	*
16	Sumburgh ...	12·0	-2	WNW	3	bc	52	75	43	9	8	4	–	4-6	4-6	2500	0	2
17	Blacksod Point	20·7	0	NW	2	b-bc	57	65	45	8	8	–	–	2-3	2-3	2500	1	3
18	Malin Head ...	17·4	+6	NW'N	4	pr	55	85	50	8	2	–	3	4-6	4-6	2500	1	3
	Aldergrove ...	17·7	+8	WNW	3	bc	57	65	45	9	8	7	–	4-6	4-6	3000	1	*
19	Birr Castle ...	19·3	*	NNW	3	c-bc	59	65	48	8	8	–	–	7-8	7-8	1500	0	*
20	Valentia Obsy.	22·4	+6	NNW	3	c	58	65	46	9	7	–	3	7-8	9+	2500	1	3
	Roches Point	19·8	+4	N	5	b-bc	62	65	50	9	1	–	5	1	2-3	4000	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.–12h. 11th (39)	Weather. 12h.–18h. 11th (40)	Weather. 18h. 11th to 1h. 12th (41)	Weather. 1h.–7h. 12th (42)
1	London (Kew)	cpro	cqbccy	cybcbw	bbcmow
	Croydon ...	ccy	cypcy	bmob	bmwbcmo
	S. Farnborough	ccy	cbczy	bmo	bbcmowb
	Boscombe Down	c	cybcy	bcybmo	bmobbcmo
	Thorney Island	cy	bcy	bmo	bmonbcwfg
	Lympne ...	c	bccprc	cbw	bmofgw
	Manston ...	cpro	cbcorc	cbcb	bmow
	Shoeburyness ...	cpry	crc		bwbcw
	Felixstowe ...	cpry	c	cbcb	bmowbmo
	Gorleston ...	cpro cq	cqbc	bcwb	bcwz
	Mildenhall ...	cirm cpro	cpsc	cbcb	bbwbmo
	Cranwell ...	circ cmc	ccpsc	bmobm	bmbgmo
3	Birmingham ...	cpro	cb	b	bbcz
	Upper Heyford	cpr cvpro	cm bczy	bczybcbmo	bcmo
4	Ross-on-Wye	bccpsc	cybcvy	bcvcb	bwbcc
5	Hartland Point	cbc	bc	bc	bcc
	Bristol ...	cbccbc	cpr cycvy	bcvbw	bwbc, cmow
	Portland Bill ...	c	bcbc	bcbc	bcmobc
	Plymouth ...	c	cbc	bbcb	bmowbcmo
	The Lizard ...	bc	bccbc	cbcw	bcw
	Scilly (St. Mary's)	c	cbc	bccbcb	cbccw
	Guernsey ...				
6	Pembroke ...	bcq	bc	bcw	bc
7	Holyhead (Valley)	cbc	bcbv	bcc	bcc
	Chester (Sealand)	cpr	cbc	bcr	bcR
8	Manchester ...	cmzopro	cbccz	bczobmo	bcmowpro
10	Spurn Head ...	c	bc	bc	bcmo
	Catterick (Sc) ...	c	c	cbc	b
	Tynemouth ...	cpc	bc	cmob	bbc
11	St. Abbs Head	crcbc	bc	cbprbcb	b
	Leuchars ...	bccbcy	cipcprs	cprob	bbwb
12	Renfrew (Abbots I.)	cbccbc	bc	bcbw	bwbcwprc
	Eskdalemuir ...	bcpr	bcprcpr	bc	bcc
	Point of Ayre ...	cbcc	b	b	bcc
13A	Tiree ...	bc	bc	bbc	bc
13B	Stornoway ...	ccprc	cbc	bcwprbc	bcprbc
15	Dalwhinnie ...	cpry	cbcc		c
	Aberdeen ...	cy	cybccpr	cprobc	cbcbw
	Wick ...	cipc	cipcprcpr	b	bbcprcirc
16	Sumburgh ...	c	cbc	cpropr	cpropr
17	Blacksod Point	bc	d	c	pr
18	Malin Head ...	pr	pr	bc	pr
	Aldergrove ...	bccpro	cprbc	bcb	bwbcc
19	Birr Castle ...	c	c		c
20	Valentia Obsy.	pr	bc	bc	bc
	Roches Point	bc	bc	b	bc

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

Districts	Forecast
1 S.E. England 2 E. England .. 3 E. Midlands ... 4 W. Midlands	Freshening southwest wind; cloud increasing; rain later; rather cool, becoming rather close later.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Moderate or fresh southwest wind, strong at times; cloudy, a period of rain during night; becoming rather close.
9 N. Midlands ... 10 N.E. England	As 1-4
11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ...	Wind south to southwest moderate or fresh, strong at times; cloudy, some rain; rather cool.
13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Wind southerly to variable mainly moderate or fresh, strong locally; cloudy some rain; rather cool.
16 Orkneys and Shetlands	As 13B - 15.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Wind south to southwest veering west or northwest, fresh or strong at times; cloudy, rain at times, showery later.

GENERAL INFERENCE

A depression is approaching Scotland from west; rain will spread over the British Isles, but amounts will be small.

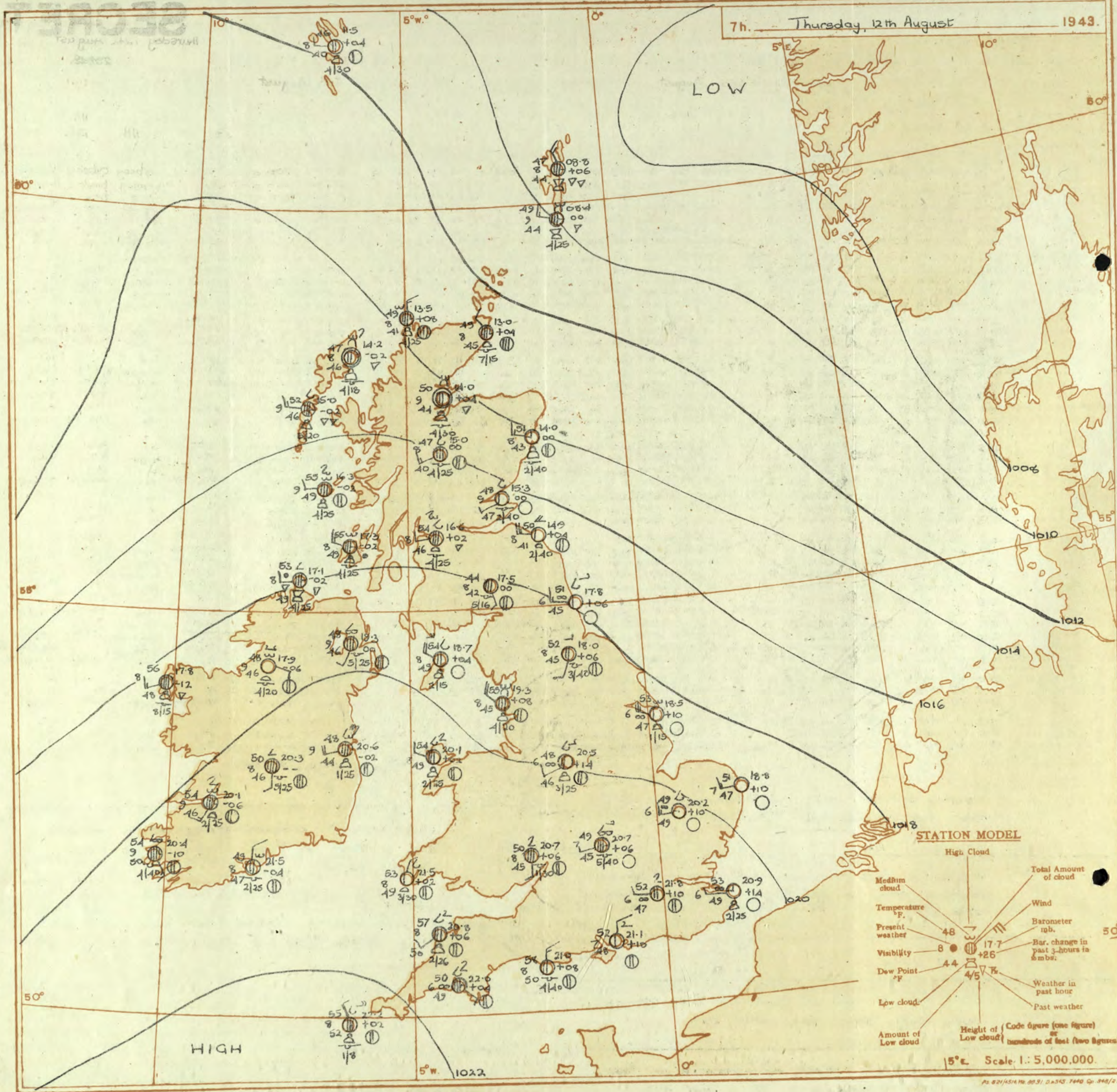
FURTHER OUTLOOK

Unsettled, rather cool.

Forecasts issued at 10-30.

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Thursday, 12th August 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

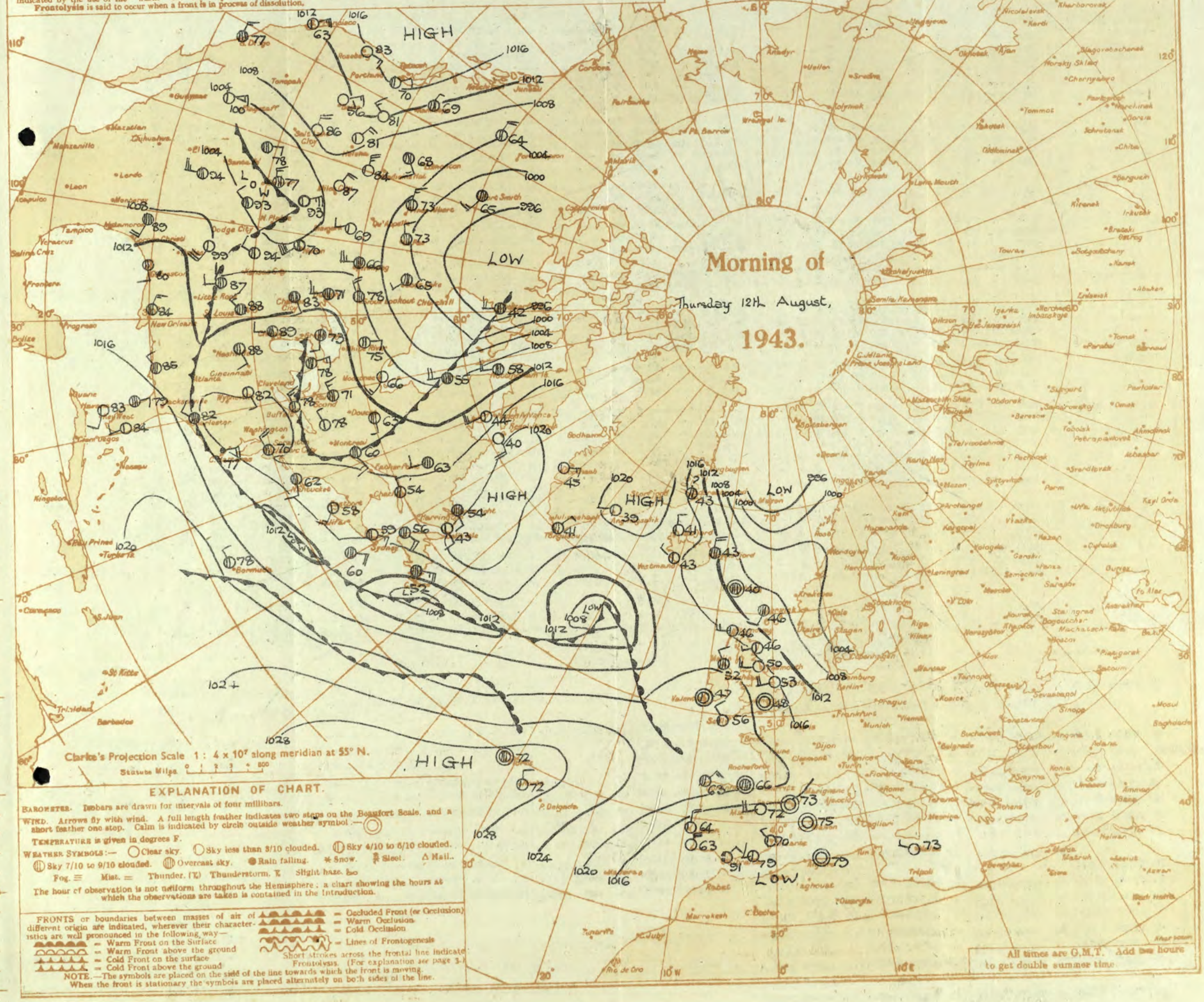
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Thursday 12th August 1943

No. 29848

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	53	*	*	*	*	*	*	*	*	*
	Croydon ...	290	20·0	+10	–	0	m	48	91	47	4	–	–	–	0	0	–
	S. Farnborough	226	20·0	+18	N'N	1	2o	47	85	44	6	–	–	–	0	0	–
	Boscombe Down	417	20·5	+14	–	0	2o	47	92	44	6	–	–	–	0	0	–
	Thorney Island	10	19·7	+14	–	0	b	46	97	46	6	–	–	–	0	0	–
	Lympne ...	283	19·4	+14	NNW	2	b	48	97	47	7	–	–	–	0	0	–
	Manston ...	154	18·8	+14	NW'N	1	2o	53	85	47	6	5	–	–	Tr	Tr	1800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	18·5	+10	N'N	2	b	52	85	49	7	–	–	–	0	0	–
	Gorleston ...	5	16·7	+8	N'N	2	b-bc	48	85	44	7	8	–	–	2-3	2-3	2500
	Mildenhall ...	15	18·8	+10	NN'N	1	2o	45	97	44	6	–	–	–	0	0	–
	Cranwell ...	203	18·1	+6	W'S	2	m	47	92	45	4	–	–	–	0	0	–
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	19·7	+14	W	1	2o	47	85	43	6	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·6	+4	NNW	2	b	58	65	46	8	1	4	2	1	1	2500
	Bristol ...	209	20·5	+14	W	1	b	47	92	45	7	–	4	–	0	Tr	–
	Portland Bill ...	32	19·5	+12	N	3	b-bc	58	85	54	8	2	–	–	2-3	2-3	4000
	Plymouth ...	86	21·7	+4	NW	2	b	52	92	50	6	–	–	1	0	Tr	–
	The Lizard ...	240	21·7	+4	NW	3	b-bc	53	92	51	8	4	–	–	2-3	2-3	2400
	Scilly (St. Mary's)	163	22·3	+2	NW	2	b	56	85	50	8	8	–	–	1	1	1500
	Guernsey ...	175															
6	Pembroke ...	142	21·2	+2	SW'N	3	b-bc	52	85	48	8	1	–	–	2-3	2-3	3100
7	Holyhead (Valley)	32	19·7	+4	NW	1	c-bc	52	85	49	8	8	6	–	4-6	7-8	2500
	Chester (Sealand)	16	18·9	+8	NW'N	3	b-bc/r	54	75	48	8	5	–	–	2-3	2-3	2500
8	Manchester ...	230	18·6	+10	SW	2	2o	48	97	46	6	4	–	–	4-6	4-6	3500
10	Spurn Head ...	29	17·5	+6	W'S	4	b	53	75	46	7	–	–	–	0	0	–
	Catterick (Sc) ...	192	17·3	+6	W	1	b	47	92	44	7	–	–	–	0	0	–
	Tynemouth ...	108	16·9	+4	W	3	b	50	85	46	7	–	–	–	0	0	–
11	St. Abbs Head	280	15·8	+12	W	5	b	51	75	42	8	4	–	–	1	1	4000
	Leuchars ...	36	14·8	+2	–	0	b	45	92	43	8	–	–	–	0	0	–
12	Renfrew (Abbotsl.)	19	16·5	+2	WSW	2	b	48	85	44	8	–	7	–	0	Tr	–
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	19·0	0	NNW	4	b-bc	55	75	48	7	1	7	–	Tr	2-3	1800
13A	Tiree	44	17·1	0	W	2	bc	50	85	47	8	2	6	–	2-3	4-6	2000
13B	Stornoway ...	12	14·5	–2	W	3	b-bc/pr	46	92	45	8	3	–	–	2-3	2-3	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	14·0	–4	WSW	1	b-bc	46	92	44	8	4	–	–	2-3	2-3	3500
	Wick ...	114	12·6	–2	SW	3	b-bc	44	85	42	8	2	–	–	2-3	2-3	2500
16	Sumburgh ..	19	09·8	–12	SSW	3	pr	49	97	48	7	2	–	–	10	10	1500
17	Blackwod Point	18	20·6	–6	W	1	c	53	85	49	8	5	–	–	9+	9+	2500
18	Malin Head ...	84	18·2	–2	NW	2	c-bc	52	75	44	8	2	–	–	7-8	7-8	2500
	Aldergrove ...	268	19·4	+2	WSW	2	b-bc	48	85	45	8	5	–	–	2-3	2-3	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	23·1	–2	–	0	b-bc	47	92	45	9	1	–	2	Tr	2-3	2500
	Roches Point	22	22·1	+6	N	4	b	53	85	49	8	5	–	–	1	1	2500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	21·4	+12	NNW	1	2o	52	85	47	5	5	–	4	1	4-6	2500	0	*
	Croydon ...	21·8	+10	W'N	1	2o	52	85	47	6	–	–	6	0	4-6	–	1	*
	S. Farnborough	21·5	+8	–	0	b-bc	49	85	45	7	–	–	6	0	2-3	–	0	*
	Boscombe Down	21·7	+10	–	0	2o	50	85	46	6	–	7	6	0	4-6	–	0	*
	Thorney Island	21·1	+10	N	1	b-bc	52	85	48	7	–	–	5	0	2-3	–	0	*
	Lympne ...	21·1	+10	NNW	1	2o	53	85	49	6	–	–	1	0	1	–	0	1
	Manston ...	20·9	+14	W	1	2o	53	85	49	6	2	–	–	1	1	2500	0	*
2	Shoeburyness ...	20·8	+12	WNW	3	2o	53	85	49	6	–	4	–	0	2-3	–	0	*
	Felixstowe ...	20·0	+10	WNW	3	2o	52	85	47	6	–	7	–	0	1	–	0	2
	Gorleston ...	18·8	+10	W'S	3	2o	51	85	43	7	–	–	–	0	0	–	0	3
	Mildenhall ...	20·2	+10	W'S	3	2o	49	97	47	6	–	4	1	0	Tr	–	0	*
	Cranwell ...	19·8	+18	WSW	3	2o	50	92	48	6	–	7	1	0	4-6	–	0	*
3	Birmingham ...	20·6	+4	W	1	2o	51	85	47	6	5	–	1	1	2-3	4000	1	*
	Upper Heyford	20·7	+6	SW	1	c	49	85	45	7	5	7	1	7-8	9	4000	0	*
4	Ross-on-Wye	20·7	+6	S	1	c-bc	50	85	45	8	5	–	6	Tr	7-8	3000	0	*
5	Hartland Point	20·8	+6	SW	2	c-bc	57	75	50	8	2	4	5	1	7-8	2600	0	4
	Bristol ...	21·4	+6	–	0	2o	53	85	49	6	–	4	6	0	9	–	0	*
	Portland Bill ...	21·0	+8	N	3	bc	58	75	50	8	5	–	–	4-6	4-6	4000	1	*
	Plymouth ...	22·0	+4	ESE	1	2o	50	97	49	6	–	4	6	0	9	–	0	1
	The Lizard ...	22·9	+14	NW	2	bc	55	92	53	8	4	4	–	4-6	4-6	3500	1	3
	Scilly (St. Mary's)	22·2	+2	NW'N	1	c-bc	55	85	52	8	8	4	2	Tr	7-8	1800	0	2
	Guernsey ...																	
6	Pembroke ...	21·5	+2	N'E	2	b-bc/p	53	92	49	8	1	4	–	2-3	2-3	3000	0	2
7	Holyhead (Valley)	20·1	+2	WNW	1	c-bc	54	85	49	8	2	4	6	1	7-8	2500	1	1
	Chester (Sealand)	19·7	+6	W'S	1	bc	52	85	48	8	2	3	6	1	4-6	4000	1	*
8	Manchester ...	19·7	+10	SW	2	b-bc/pr	49	97	49	6	2	6	1	2-3	2-3	3500	1	*
10	Spurn Head ...	18·5	+10	W'N	5	2o	53	85	47	6	1	3	–	Tr	2-3	1500	0	3
	Catterick (Sc) ...	18·0	+6	SSW	2	bc	52	75	45	8	5	–	1	2-3	4-6	4000	1	*
	Tynemouth ...	17·8	+6	W	3	2o	51	75	45	6	–	4	1	0	2-3	–	0	2
11	St. Abbs Head	14·9	+4	W	5	b-bc	52	65	41	8	1	2	–	1	2-3	4000	0	3
	Leuchars ...	15·3	0	SW	1	b-bc	58	92	56	9	5	4	–	1	2-3	4000	0	*
12	Renfrew (Abbotsl.)	16·6	+2	WSW	2	c-bc	54	75	46	8	8	4	9	4-6	7-8	2500	0	*
	Eskdalemuir ...	17·5	0	SSE	1	c-bc	44	92	42	8	5	–	–	7-8	7-8	1600	0	*
	Point of Ayre ...	18·7	+4	WNW	4	bc	54	85	49	8	2	4	2	1	4-6	2500	0	3
13A	Tiree	16·3	–2	W	2	c-bc	55	85	49	9	2	3	9	4-6	7-8	2500	0	1
13B	Stornoway ...	14·2	–2	–	0	bc	47	92	45	8	8	6	4	4-6	4-6	1800	0	1
15	Dalwhinnie ...	15·0	0	SW	3	c-bc	47	75	40	8	5	4	–	4-6	7-8	2500	0	*
	Aberdeen † ...	14·0	0	W'N	3	b	51	75	43	8	8	–	–	1	1	4000	1	2
	Wick ...	13·0	+4	NW	2	c	49	85	45	8	7	–	–	9+	9+	1500	1	*
16	Sumburgh ..	08·4	0	W'N	3	c-bc	49	85	44	9	3	6	–	4-6	7-8	2500	1	2
17	Blackwod Point	17·8	–12	SW'S	3	c	56	75	48	8	8	–	–	10	10	1500	1	2
18	Malin Head ...	17·1	–2	W'S	2	pr	53	85	49	8	3	1	–	4-6	9	2500	1	2
	Aldergrove ...	19·3	0	SSW	1	c-bc	48	92	46	9	5	7	–	7-8	7-8	2500	1	*
19	Birr Castle ...	20·3	*	S	2	c	50	85	46	8	5	1	–	7-8	10	2500	0	*
20	Valentia Obsy.	20·4	–10	SSE	3	c	54	85	49	9	5	7	–	4-6	9+	4000	1	–
	Roches Point	21·5	–4	N	1	bc	49	92	47	8	5	3	–	1	4-6	2500	0	3

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)	70	48	34	Tr	–	1·2
	Croydon ...	71	43	39	Tr	Tr	4·0
	S. Farnborough	69	42	30	Tr	–	4·8
	Boscombe Down	67	44	36	–	–	6·9
	Thorney Island	69	43	39	–	Tr	*
	Lympne ...	71	45	36	Tr	–	3·8
	Manston ...	68	46	*	0·6	–	2·2
2	Shoeburyness ...	69	45	37	0·5	–	2·3
	Felixstowe ...	72	49	44	0·6	–	3·1
	Gorleston ...	65	46	42	2	–	5·5
	Mildenhall ...	64	43	35	2	Tr	0·9
	Cranwell ...	62	45	41	0·1	–	1·4
3	Birmingham ...	62	46	33	0·2	–	4·6
	Upper Heyford	66	42	35	Tr	–	*
4	Ross-on-Wye	64	41	34	–	–	3·4
5	Hartland Point	59			–	–	8·2
	Bristol ...	68	43	32	Tr	–	7·4
	Portland Bill ...	65	54	*	–	–	*
	Plymouth ...	65	47	37	–	–	8·9
	The Lizard ...	63	52	*	–	–	1·8
	Scilly (St. Mary's)	64	51	*	–	–	1·1
	Guernsey ...						
6	Pembroke ...	62	50	*	–	–	10·7
7	Holyhead (Valley)	61	43	36	–	0·1	*
	Chester (Sealand)	61	47	36	Tr	3	6·8
8	Manchester ...	59	45	40	Tr	Tr	*
10	Spurn Head ...	58	50	*	Tr	–	3·7
	Catterick (Sc) ...	61	43	38	0·2	Tr	2·2
	Tynemouth ...	56	46	43	Tr	–	*
11	St. Abbs Head	56	47	*	0·1	1	*
	Leuchars ...	63	42	38	0·2	1	5·6
12	Renfrew (Abbotsl.)	64	47	38	Tr	Tr	10·7
	Eskdalemuir ...	59	39	32	0·4	–	5·6
	Point of Ayre ...	62	52	*	–	–	9·2
13A	Tiree	59	48	42	0·3	0·1	12·1
13B	Stornoway ...	61	44	33	0·2	1	8·0
15	Dalwhinnie ...	59	42	36	0·1	–	6·8
	Aberdeen † ...	59	42	34	Tr	1	4·6
	Wick ...	56	43	33	0·2	0·6	*
16	Sumburgh ..	53	46	41	–	4	1·9
17	Blackwod Point	60	51	*	–	1	*
18	Malin Head ...	59	51		0·1	0·2	11·5
	Aldergrove ...	62	42		1	0·2	9·4
19	Birr Castle ...	64	41	38	–	–	9·0
20	Valentia Obsy.	61	45	40	Tr	Tr	10·7
	Roches Point	64	48	*	–	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 11th August				18h. G.M.T.				01h. G.M.T. 12th August				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	77	02854	04123	87	81655	00027		3-	25745	24285		8-	81764	27414	
115				23	02954	24326		87	02354	24386		23	02854	32327	
203								8-	02846	24416					
206	36	81855	26086	36	02955	26185		10	01963	24123		86	01964	00084	
210	86	10865	26226	36	25954	21385		20	01963	22213		86	81954	22385	
219	26	01954	26414	26	81955	25185		2-	01954	26414		24	25955	24386	
230	26	02965	22125	3-	01963	26423		8-	81965	00085		36	02955	20185	
245	26	02954	31115	36	02944	20185		50	01752	25112		54	01951	25211	
260	8-	01963	26124	36	25864	16284		50	01863	20213		50	01853	20213	
278	2-	01954	28314	10	01952	59512		26	01853	24313		83	02854	23327	
279				30	25963	22183		50	01861	24111		83	02854	25315	
285	23	81744	30586									23	05634	30414	
288	87	02755	28357	07	01890	04312		50	05662	18112		14	01861	17212	
576	36	02954	30386	36	01964	28425		80	25853	20213		73	02844	17125	
301	86	01954	29425	10	01852	28412		27	01853	26323		26	27415	19355	
321	57	02755	30468	76	02763	30325		04	05690	24182		53	05563	24214	
299	8-	25747	32487	10	01844	32414		00	00790	24100		10	00751	24201	
282	8-	02847	32327	26	02854	00085		50	01762	00012		53	01872	23314	
310												--	46109	24249	
614	86	21656	30327	56	25774	30285		00	05590	25100		44	05661	25213	

13h. G.M.T. 11th August				18h. G.M.T.				01h. G.M.T. 12th August				07h. G.M.T.			
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN	
333				23	01962	28315		84	01852	23122		22	02853	32126	
334												--	02772	00015	
340	87	02845	29427	2-	02953	31313		53	01863	26114		77	04964	23116	
136	77	61934	30567					00	01890	20110		03	05690	19447	
330	53	01753	32415									13	01753	32314	
350	87	21745	28387	37	02754	28325		00	05690	20110		03	05690	22214	
368	84	01964	30424	40	01953	26313		00	00790	30110		53	01862	00005	
379	5-	02767	30527	80	01863	62414		00	00790	28200		03	02890	22216	
390	5-	81548	30388	83	05644	02325		00	05690	30100		00	05690	24141	
382	87	02856	02327	80	01964	30324		00	00790	00000		03	01890	00014	
438	8-	02754	24615	57	01763	31314		00	05690	32200		21	05653	14113	
430	8-	02853	26355	26	01753	30223		00	00790	00000		00	05690	32114	
409	8-	02955	29425	16	01951	30312		50	01851	30203		24	02951	24125	

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

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

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LONDON OBSERVATIONS

Per 48h 24 hours ending morning of 12th August, 1943
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	cpro	cqbccy	cybcmow	Kew 24 hours ended 7h Max. Time
Croydon ...	ccy	cypbcy	bmwbcm	0·1 3-7h 12th
Greenwich ...	cy	cproc	bcbwmb	Min. Time
Camden Square	c	c	*	<0·1 10-18h 11th
Kensington ..	bc	cbcpr	*	
Hampstead ...	bcp	bc	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 13h %	Humidity 9h % Today.
Kew ...	70	48	34	Tr	–	1·2	*	*
Croydon ...	71	43	39	Tr	Tr	4·0	*	*
Greenwich ...	69	44	30	Tr	–	1·5	60	55
Westminster ..	70	48	41	–			63	71
Regents Park ...	69	43	37	–	–		58	53
Camden Square	70	48	41	Tr	–	*	*	59
Kensington ...	70	48	37	–	–		61	56
Hampstead ...	69	46	36	Tr	–		*	57

SECRET

Page 1 BRITISH SECTION

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

Friday 13th August 1943

No. 29849

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

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)	20·8	-14	SW'W	3	c	65	45	42	8	8	3	6	7-8	9	2500
	Croydon	21·0	-6	WSW	2	c	66	45	41	8	2	6	-	9	9+	2500
	S. Farnborough	20·0	-12	W'S	4	c	68	35	40	8	8	6	6	7-8	9+	3000
	Boscombe Down	20·4	-10	W	3	c-bc	65	45	41	8	1	-	8	4-6	7-8	3000
	Thorney Island	20·7	-10	SW'W	3	c	67	55	50	8	8	-	6	4-6	9	1500
	Lympne	20·7	-6	SW	2	c	65	55	49	8	2	6	-	4-6	7-8	4000
	Manston	20·3	+10	N'W	1	z	63	55	48	6	2	3	1	4-6	7-8	2500
2	Shoeburyness	20·4	-10	SW'W	1	z	65	55	46	6	2	-	-	9+	9+	4000
	Felixstowe	19·9	-6	SW	3	c	66	45	44	8	5	7	-	9	9+	4000
	Gorleston	18·8	-2	W'N	2	c	65	45	44	7	8	-	-	9+	9+	2500
	Mildenhall	19·5	-6	SW'W	3	c	64	55	45	8	8	7	1	4-6	9+	4000
	Cranwell	18·2	-12	W	3	c-bc	63	55	44	7	8	7	1	4-6	7-8	2500
3	Birmingham	19·1	-6	SW	3	c	62	55	46	8	7	9	-	4-6	9	4000
	Upper Heyford	19·5	-8	W'N	1	c	65	45	40	8	1	-	6	4-6	9	3000
4	Ross-on-Wye	19·3	-10	SW'W	3	c	65	45	43	8	1	-	7	4-6	9+	3500
5	Hartland Point	20·2	-8	W	3	c-bc	59	65	48	8	2	4	-	4-6	7-8	2000
	Bristol	20·2	-14	W	3	c	67	45	47	8	2	-	6	2-3	9+	3000
	Portland Bill	21·2	-4	NNW	4	c-bc	62	75	55	8	1	4	1	4-6	7-8	4000
	Plymouth	21·7	+4	SSW	3	c	64	75	55	8	2	-	7	4-6	9	3000
	The Lizard	23·3	-2	SW	3	c-bc	61	75	54	8	2	3	-	4-6	7-8	3500
	Scilly (St. Mary's)	21·5	-8	SW	3	bc	65	55	50	8	8	4	9	2-3	4-6	1800
	Guernsey															
6	Pembroke	20·4	-4	W'S	3	b.bc	61	65	51	8	2	6	-	2-3	2-3	3000
7	Holyhead (Valley)	19·3	-6	SW	3	c	59	65	49	8	2	7	-	2-3	9+	3500
	Chester (Sealand)	18·5	-10	NW'W	3	c	62	45	42	8	8	3	6	4-6	9+	3000
8	Manchester	18·6	-10	WNW	3	o	60	55	43	8	2	6	6	7-8	9	2500
10	Spurn Head	18·1	-8	W	3	c	62	45	41	7	7	3	-	4-6	9+	4000
	Catterick (Sc)	16·1	-16	SW	3	c	61	45	42	9	8	3	1	7-8	9+	2500
	Tynemouth	17·6	-6	W	3	c-bc	60	55	44	7	2	-	-	7-8	7-8	2400
11	St. Abbs Head	14·9	+2	WNW	2	c	56	65	43	7	2	4	-	7-8	9+	2500
	Leuchars	14·4	-4	W	3	c/g	60	65	58	8	8	7	-	2-3	10	2500
12	Renfrew (Abbots I.)	16·2	-8	SW'W	4	/pr	57	65	45	8	8	-	7	7-8	10	2000
	Eskdalemuir	15·7	-6	SW'S	3	pr	54	75	44	8	8	-	-	10	10	1600
	Point of Ayre	17·9	-6	W	4	c	60	65	48	8	8	4	7	Tr	10	3000
13A	Tiree	14·7	-8	SW	2	pr	55	85	51	9	9	-	-	10	10	1200
13B	Stornoway	13·0	-4	ESE	1	c-bo	53	85	51	8	7	2	-	4-6	7-8	1600
15	Dalwhinnie		-4	SSW	3	pr	51	75	42	8	5	-	-	4-6	10	2500
	Aberdeen	13·9	+2	NW	3	c	56	65	42	9	8	7	7	4-6	10	5700
	Wick	13·5	0	NW	1	c-bc	54	65	41	9	1	-	6	2-3	7-8	2500
16	Sumburgh	11·0	+8	NW'W	3	bc	52	65	41	9	2	6	1	4-6	4-6	2000
17	Blacksod Point	12·5	-30	S	5	Dr	55	92	53	6	6	2	-	2-3	10	1500
18	Malin Head	14·9	-14	SSW	3	ir₀	54	85	50	8	8	2	-	2-3	10	1500
	Aldergrove	16·8	-14	WSW	2	pr	57	75	50	7	8	-	-	9+	9+	2000
19	Birr Castle	16·4	*	SSW	2	c	60	65	48	8	5	1	-	7-8	10	2500
20	Valentia Obsy.	16·2	-22	SW	6	ir₀	58	85	53	7	5	2	-	9+	10	2500
	Roches Point	18·6	-20	S	4	c	60	85	55	8	8	1	-	4-6	9+	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 8 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	18·1	-8	SW	4	c	66	45	46	8	8	5	2	7-8	9+	4000	0	•
Croydon	19·2	-6	SW	3	c	64	55	46	8	8	6	2	4-6	9	3500	0	•
S. Farnborough	17·6	-14	SW'W	3	c	63	55	47	8	7	6	4	4-6	9+	3000	0	•
Boscombe Down	18·8	+6	SW'W	3	c	62	56	47	9	8	-	5	4-6	9	3000	0	•
Thorney Island	19·4	-4	SW	3	c	64	55	48	9	2	4	6	2-3	9	4000	0	•
Lympne	19·2	-6	SW	3	c	62	55	46	8	-	3	8	0	9	-	0	§3
Manston	18·8	-12	SW	3	c-bc	64	55	47	8	2	3	-	1	7-8	4000	0	•
Shoeburyness	18·6	-12	SW	3	c	65	55	48	8	8	6	-	4-6	9+	2500	0	•
Felixstowe	18·2	-12	WSW	3	c	67	45	42	8	5	7	-	7-8	9+	4000	0	3
Gorleston	17·5	-10	SW	2	c	64	45	44	7	5	-	-	9+	9+	2200	0	2
Mildenhall	17·1	-12	W	2	c	64	55	45	8	5	-	7	4-6	10	4000	0	•
Cranwell	16·5	-10	WNW	3	c	62	55	45	8	4	2	-	4-6	10	3000	0	•
Birmingham	17·1	-8	WSW	3	c	64	55	47	8	5	7	-	7-8	10	4000	1	•
Upper Heyford	17·4	-10	W'S	4	c	65	45	42	9	1	5	7	2-3	10	4500	0	•
Ross-on-Wye	17·7	-6	WSW	4	c	61	55	45	8	5	7	1	1	9+	3500	0	•
Hartland Point	17·8	-16	W	4	c	59	75	52	8	2	7	-	2-3	9	2000	0	3
Bristol	18·9	-4	W	4	c	61	65	49	8	1	7	9	1	9+	3000	0	•
Portland Bill	18·9	-10	SW	4	c	61	75	56	8	5	7	-	7-8	10	4000	1	4
Plymouth	20·5	-4	SW	4	c	60	85	54	8	2	7	2	2-3	9	3000	0	2
The Lizard	20·7	-8	SW	4	c-bc	60	75	52	8	8	5	-	4-6	7-8	2500	0	
Scilly (St. Mary's)	19·8	-12	SW'W	4	c	61	75	52	8	8	7	-	7-8	9+	1800	0	3
Guernsey																	
Pembroke	17·7	-10	SW	4	c	59	85	53	8	8	-	-	9+	9+	2500	0	4
Holyhead (Valley)	15·9	-20	SSW	5	c	58	75	49	9	4	7	-	1	10	3500	1	2
Chester (Sealand)	16·4	-16	WSW	1	c	59	65	45	9	5	7	-	4-6	10	3500	0	•
Manchester	16·7	-8	WNW	2	c	57	65	47	8	5	2	7	4-6	10	2500	0	•
Spurn Head	16·6	-8	W'N	4	c	62	56	44	7	7	7	-	4-6	10	2500	0	4
Catterick (Sc)	15·8	-8	WSW	4	c	57	65	45	9	1	7	-	Tr	10	3000	0	•
Tynemouth	16·0	-6	WSW	3	c	59	65	46	7	8	2	-	4-6	9+	2400	0	3
St. Abbs Head	12·6	-12	SW	3	c	57	55	42	8	2	7	-	7-8	9+	2500	0	3
Leuchars	11·3	-26	WSW	4	pr	66	75	48	7	8	7	-	4-6	10	2000	0	•
Renfrew (Abbots I.)	12·3	-22	WSW	1	c/pr	53	85	49	7	8	2	-	4-6	10	1800	1	•
Eskdalemuir	13·1	-18	SW	4	c	53	75	47	8	5	-	-	10	10	1800	0	•
Point of Ayre	14·3	-18	SSW	2	c	57	65	47	8	4	7	-	Tr	10	2000	0	2
Tiree	09·6	-38	S	3	r₀r₀	54	82	51	8	5	2	-	10	10	2000	1	2
Stornoway	11·0	-14	SSE	3	c	53	85	49	8	8	2	-	4-6	10	1200	1	1
Dalwhinnie		-10	SSW	3	pr	51	75	43	8	5	2	-	9	10	2500	0	•
Aberdeen	12·6	-12	SSE	2	ir₀	62	85	47	6	6	2	-	4-6	10	1500	1	1
Wick	12·4	-6	—	0	c/r	51	75	43	8	5	3	-	4-6	9+	800	0	•
Sumburgh	10·8	-4	W'N	3	b-bc	52	75	43	8	3	6	3	2-3	2-3	2000	1	2
Blacksod Point	06·9	-22	SW'W	7	d₀d₀	58	97	57	6	6	2	-	4-6	10	1500	2	5
Malin Head	07·8	-46	S'W	4	ir	52	85	47	7	-	2	-	10	10	1500	1	3
Aldergrove	11·2	-38	S'E	3	ir₀	54	85	48	8	5	2	-	9	10	2000	1	•
Birr Castle	11·5	-26	SSW	3	ir	58	75	51	8	5	2	-	7-8	10	1500	0	•
Valentia Obsy.	12·7	-16	WSW	5	c/r	59	92	57	8	5	7	-	9+	10	1500	1	5
Roches Point	14·0	-30	SSW	5	dd	58	97	57	5	5	-	-	10	10	450	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 12th (39)	13h.—18h. 12th (40)	18h. 12th to 1h. 13th (41)	1h.—7h. 13th (42)
London (Kew)	bcm₀cy	cy	c	c
Croydon	czcy	cy	cyc	c
S. Farnborough	bbcz₀cbccy	cy	cyc	cir₀
Boscombe Down	bcm₀bcy	cy	cyc	cir₀ccd₀d₀
Thorney Island	bwbcycy	cy	c	c
Lympne	bm bccy	cy	bczbc	cid₀c
Manston	bm bcz	bz₀y	c	c
Shoeburyness	bccy	cz₀y	cyc	c
Felixstowe	bcycy	ccy	cyc	c
Gorleston	bccy	cy	cyc	c
Mildenhall	bm₀bcc	cy	c	c
Cranwell	bccz bcy	cybcycy	c	c
Birmingham	bcc	c	c	c
Upper Heyford	cy	cy	cyc	c
Ross-on-Wye	cbcrc ⊕	cybccy	c	c
Hartland Point	cbcc	cbcc	c	ddc
Bristol	cm₀wccy	⊕cybcyc	c	ccid₀r₀r₀m₀
Portland Bill	cc	c	c	c
Plymouth	c	cv	cir₀c	cr₀r₀m₀id₀
The Lizard	bc	bcc	cbcc	cidc
Scilly (St. Mary's)	cbcy	bcc	cidr	cid₀rc
Guernsey				
Pembroke	bc	c	cqrq	cpr₀q
Holyhead (Valley)	c	cv	cr₀d	c
Chester (Sealand)	cy	cy	c	c
Manchester	bcm₀	cy	cir₀	cir₀c
Spurn Head	c	c	cm₀	c
Catterick (Sc)	cypcc	c	cir₀c	cir₀om
Tynemouth	bcm₀c	c	coir	cm₀ir₀
St. Abbs Head	bc	c	ccr₀r₀c	crrc
Leuchars	bbccyc	cepr₀	crrm₀	cr₀cd₀cm₀
Renfrew (Abbots I.)	cwcpr₀c	cpr₀prc	cm₀ir₀dd	cddd₀d₀m₀
Eskdalemuir	cpr₀	cpr₀c	cprir	oirm₀
Point of Ayre	bcc	c	cr₀	qdobc
Tiree	bccpccpr	bccpr₀ir₀	crrm₀	cr₀r₀cd₀m₀c
Stornoway	cpr₀cjpc	cir₀c	cr₀r₀rr	crrccir₀
Dalwhinnie	cpr₀o	opr₀	•	oirc
Aberdeen	bbcc	cr₀r₀cir₀	cir₀	circdd
Wick	bcv	bcc	cir₀ir₀	cr₀r₀m₀
Sumburgh	cpr₀bc	bcpr₀	bbc	bcw
Blacksod Point	r	d	d	d
Malin Head	r	r	r	r
Aldergrove	ccpr₀	cpr₀ cir₀	cir₀m₀c	r₀r₀d₀d₀m₀c
Birr Castle	c	r	•	r
Valentia Obsy.	r	r	r	pr
Roches Point	c	d	d	c

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Fresh westerly wind; mainly fair with some bright periods, but cloudy with local drizzle on South coast; rather cool.
5 S.W. England; 6 South Wales	Fresh west winds, strong locally; mainly cloudy with slight local rain or drizzle, local coast fog, much hill fog; rather cool.
7 North Wales; 8 N.W. England	Fresh westerly winds backing southwest; cloudy with slight local rain or drizzle, some brighter periods followed by general rain; rather cool.
9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	As 0-4.
12 S.W. Scotland & Isle of Man	As 7-8.
13A W. Scotland; 13B N.W. Scotland	Moderate or fresh northeasterly winds backing northwest and finally southwest; cloudy with local rain followed by some brighter periods and finally further general rain; rather cool.
14 Mid Scotland; 15 N.E. Scotland	Moderate or fresh easterly winds, becoming variable finally northwesterly; dull and rainy at first, bright intervals and local showers later;
16 Orkneys and Shetlands	rather cool.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 7-8.

GENERAL INFERENCE

A depression over Scotland is moving eastwards and another on the Atlantic is advancing towards the British Isles. Weather will be rather cool and generally unsettled with rain at times in most districts, but only small amounts are probable in the South.

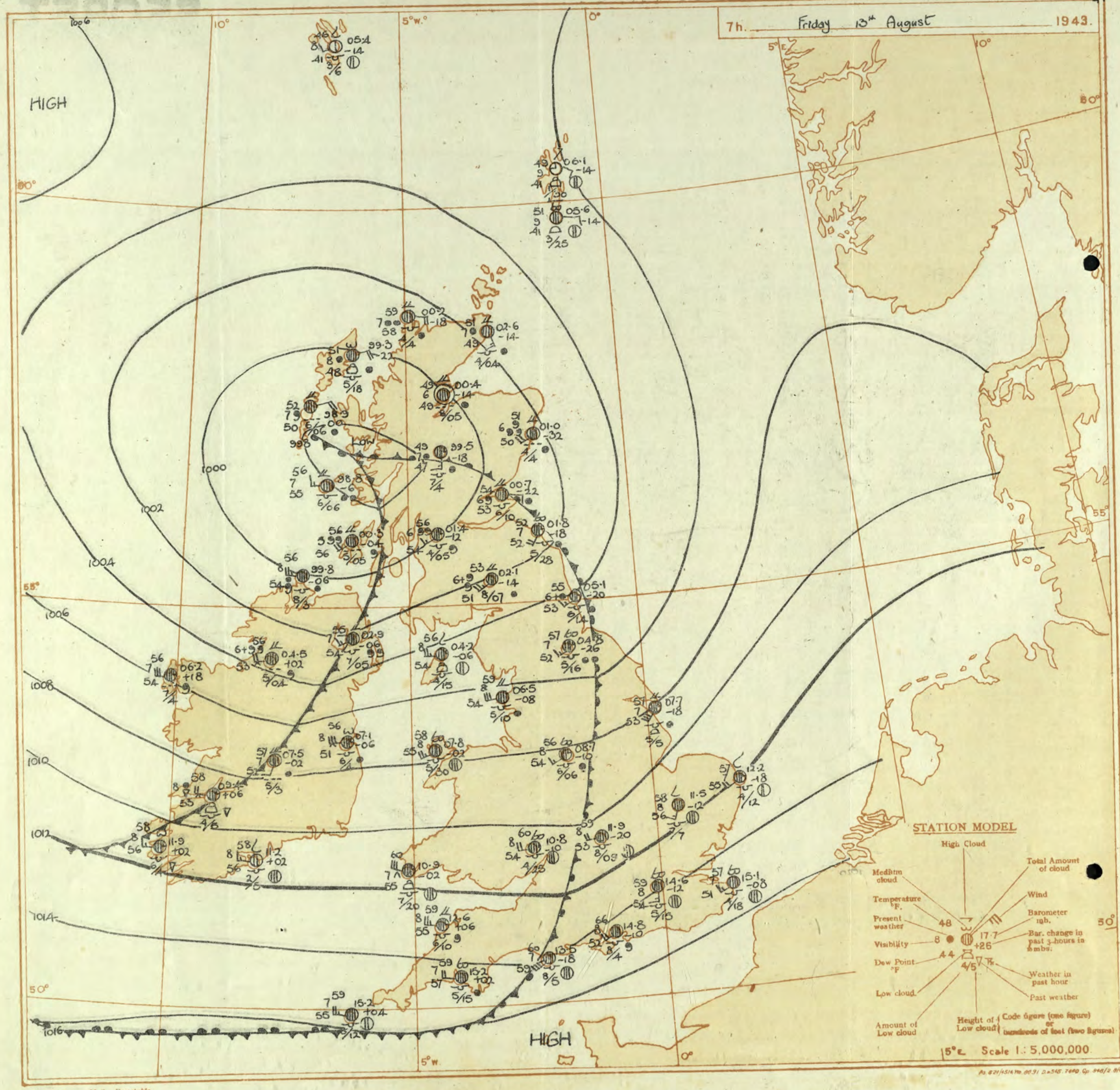
FURTHER OUTLOOK

Unsettled westerly type persisting with some rain in most areas but only small amounts in the South

Forecasts issued at 1030.

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Friday 13th August 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Friday 13th August 1943

No. 23843

OBSERVATIONS at 1 hr. G.M.T. Friday 13th August

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	59	*	*	*	*	*	*	*	*	*
	Croydon ...	290	17.7	-10	SSW	3	c	57	75	49	7	-	3	6	0	9+	-
	S. Farnborough	226	16.6	-10	SW'W	3	c	57	75	50	8	5	3	-	2-3	9	5700
	Boscombe Down	417	16.7	-12	SW'S	3	c	55	85	50	8	-	3	-	0	9+	-
	Thorney Island	10	17.3	-10	SW'W	3	c	59	75	51	7	-	3	-	0	9+	-
	Lympne ..	283	17.6	-2	W	1	bc	53	85	48	8	-	4	9	0	4-6	-
	Manston ...	154	17.2	-12	SW	3	c	56	75	47	8	-	7	7	0	10	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	16.0	-10	SW	3	c	60	65	49	7	-	7	-	0	9+	-
	Gorleston ...	5	15.3	-14	SW	2	c	59	65	46	7	5	-	-	9+	9+	1500
	Mildenhall ...	15	14.9	-10	SW	3	c	59	65	47	8	5	7	-	7-8	10	6000
	Cranwell ...	203	13.0	-14	W'S	3	c	56	75	48	7	5	7	-	10	10	4000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15.6	-14	SSW	3	c	56	75	48	8	5	7	-	4-6	10	6100
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	13.3	-20	WSW	6	c	58	92	56	7	5	2	-	7-8	9+	1500
	Bristol ...	209	16.3	-14	SSW	4	c	56	85	50	7	5	-	-	9	9	3300
	Portland Bill ...	32	16.7	-4	SW	5	c-bc	60	85	56	8	2	-	-	7-8	7-8	4000
	Plymouth ...	86	17.1	-14	SW'W	5	c	60	92	58	9	5	7	-	9	10	1700
	The Lizard ...	240	17.2	-12	WSW	6	c	59	92	57	8	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	163	15.6	-20	SW'W	6	c/r	59	97	58	7	5	-	-	10	10	1000
	Guernsey ...	175															
6	Pembroke ...	142	12.3	-26	SW'W	7	c	59	97	59	8	5	-	-	10	10	2500
7	Holyhead (Valley)	32	09.4	-28	SSW	7	id₀	59	97	58	6	5	-	-	10	10	600
	Chester (Sealand)	16	11.0	-28	S'E	2	c	56	85	50	8	5	7	-	7-8	9+	2900
8	Manchester ...	230	12.3	-22	S	1	c/r	55	85	49	7	-	2	-	10	10	2500
10	Spurn Head ...	29	13.5	-14	SSW	4	r₀	57	75	48	6	5	2	-	4-6	10	2500
	Catterick (Sc) ...	192	10.9	-30	S	3	c	52	85	48	7	5	7	-	2-3	10	4000
	Tynemouth ...	108	11.1	-16	WSW	3	ir	52	85	48	7	-	2	-	10	10	1500
11	St. Abbs Head	280	08.3	-20	SE	4	c/r	50	85	46	7	5	7	-	7-8	9+	1500
	Leuchars ...	36	06.8	-36	E	2	r₀r₀	51	92	49	6	-	2	-	10	10	2200
12	Renfrew (Abbots L.)	19	04.7	-42	SE'E	1	dd	51	97	51	5	5	-	-	10	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	06.5	-6	W'S	5	c	59	85	55	8	8	1	-	4-6	9+	1500
13A	Tiree	44	00.9	-30	S	1	r₀r₀	55	97	55	5	5	2	-	7-8	10	300
13B	Stornoway ...	12	04.2	-34	E	4	rr	50	92	49	6	6	2	-	4-6	10	800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	10.7	-26	N	1	r₀r₀	49	92	47	7	5	-	-	4-6	10	1500
	Wick ...	114	08.3	-6	SSE	3	ir₀	51	97	50	6	5	-	-	4-6	10	900
16	Sumburgh ..	19	08.7	-10	-	0	b-bc	43	92	40	9	1	-	1	2-3	2-3	2500
17	Blacksod Point	18	05.2	-10	SW'W	7	iR	57	92	55	7	6	2	-	4-6	10	1500
18	Malin Head ...	84	02.0	-14	SSW	4	ir₀	56	85	51	8	5	2	-	4-6	10	1500
	Aldergrove ...	268	05.5	-14	SSW	4	c	56	85	53	7	5	2	-	9	10	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	12.1	-6	WSW	4	c	58	85	53	7	5	-	-	10	10	1600
	Roches Point	22	11.6	-8	W'S	4	c-bc	58	97	57	8	5	-	-	7-8	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. Friday 13th August

Stations	Barom. at M.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)
London (Kew)	12.8	-12	SW'S	3	c	60	85	53	8	5	-	-	10	10	2500	0	*
Croydon ...	14.6	-12	S	3	c	59	85	54	8	5	7	-	7-8	10	1500	0	*
S. Farnborough	13.5	-8	WSW	4	c/r	60	85	55	7	5	2	-	10	10	1400	1	*
Boscombe Down	14.0	-10	SW'S	3	d₀d₀	58	97	57	6	5	-	-	10	10	1400	1	*
Thorney Island	14.8	-10	SW	4	c	66	65	54	8	5	-	-	10	10	1500	0	*
Lympne ..	15.1	-6	W'S	4	c/d	57	85	53	7	5	2	-	7-8	10	3500	0	4
Manston ...	15.1	-8	SW	3	c	57	85	51	7	5	7	-	4-6	10	1800	0	*
Shoeburyness ...	14.3	-12	SW	5	c	59	75	52	8	5	7	-	7-8	10	2500	0	*
Felixstowe ...	13.4	-14	SW'S	4	c	59	75	52	7	5	-	-	10	10	4000	0	4
Gorleston ...	12.2	-14	SW	4	c	57	92	55	7	5	4	-	4-6	9+	1200	0	2
Mildenhall ...	11.5	-12	SSW	3	c	58	92	56	8	5	4	-	9+	10	5700	0	*
Cranwell ...	08.4	-14	SSW	5	c	58	85	53	8	5	7	-	7-8	10	2000	0	*
Birmingham ...	10.0	-10	WSW	3	c	57	92	55	8	9	-	-	9+	9+	800	1	*
Upper Heyford	11.5	-20	WSW	4	c	59	85	53	8	5	-	-	10	10	900	0	*
Ross-on-Wye	10.8	-10	W'S	4	c	60	85	54	8	5	7	-	4-6	9+	2500	0	*
Hartland Point	12.6	+6	W	5	c	59	85	55	8	5	2	-	9	9+	1000	1	5
Bristol ...	13.0	-6	W	4	r₀r₀	59	92	57	6	6	2	-	9+	10	600	1	*
Portland Bill ...	13.5	+8	SW	6	c	60	92	59	7	5	-	-	10	10	2500	1	5
Plymouth ...	15.2	+2	W	4	c	59	92	57	7	5	7	-	7-8	10	1500	1	3
The Lizard ...	15.0	0	WSW	5	c	58	92	55	8	5	-	-	9	9	1500	0	5
Scilly (St. Mary's)	15.2	+4	W	5	c	59	85	55	7	5	-	-	10	10	1200	1	4
Guernsey ...																	
Pembroke ...	10.9	-2	W'N	6	cq	60	85	55	7	8	-	-	9+	9+	2000	0	4
Holyhead (Valley)	07.8	-2	SW'W	5	c	58	85	55	8	5	7	-	7-8	10	3000	1	4
Chester (Sealand)	08.1	-4	WSW	2	c	60	75	52	8	5	3	9	4-6	9	3600	0	*
Manchester ...	08.0	-8	WSW	3	c/r	59	75	52	8	5	-	-	9	9	2000	1	*
Spurn Head ...	07.7	-18	SSW	6	c	57	85	53	7	7	2	-	7-8	9+	2500	0	4
Catterick (Sc) ...	04.8	-26	SW	3	c/r	57	85	52	7	5	7	-	7-8	9+	1600	1	*
Tynemouth ...	05.1	-20	SW	3	ir₀	56	92	53	6	5	-	-	9	9	1400	1	2
St. Abbs Head	01.8	-18	SSW	4	c	52	97	52	7	5	7	-	7-8	9+	2800	1	3
Leuchars ...	00.7	-22	E	1	id₀	54	92	53	6	5	2	-	9	10	1000	1	*
Renfrew (Abbots L.)	01.4	-12	SW	3	d₀d₀	56	92	54	6	5	-	-	4-6	9+	500	1	*
Eskdalemuir ...	02.1	-14	SW'S	5	ir	53	92	51	6	-	2	-	10	10	700	1	*
Point of Ayre ...	04.2	-6	W'S	5	c	56	92	54	8	8	4	-	4-6	9+	500	0	3
Tiree	98.8	-6	W	3	c/r	56	97	55	7	5	2	-	9	10	600	1	2
Stornoway ...	99.3	-22	ENE	4	ir₀	51	85	48	8	8	3	-	7-8	10	1800	1	3
Dalwhinnie ...	99.5	-18	S	3	ir₀	49	92	47	7	5	-	-	9+	9+	1500	1	*
Aberdeen † ...	01.0	-32	SW	4	dd	51	97	50	6	6	2	-	4-6	10	1500	1	3
Wick ...	02.6	-14	SSE	3	ir₀	51	92	49	7	5	2	-	4-6	10	800	1	*
Sumburgh ..	05.6	-14	E	2	c-bc	51	75	41	9	1	7	5	2-3	7-8	2500	0	1
Blacksod Point	06.2	+18	W	6	c	56	92	54	7	6	-	-	9+	9+	1500	1	5
Malin Head ...	99.8	-6	W	5	df	56	92	54	8	5	-	-	10	10	800	1	3
Aldergrove ...	02.9	-6	SWW	3	c/d	55	97	54	7	5	2	-	9+	10	500	1	*
Birr Castle ...	07.5	-2	SSW	2	c	57	85	52	7	6	2	-	7-8	10	800	0	*
Valentia Obsy.	11.9	+2	W'S	3	c	58	92	56	8	5	3	-	9	9+	1500	1	4
Roches Point	11.2	+2	W'S	3	bc	58	92	56	8	5	4	-	1	4-6	2500	1	4

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 12 Hr. Hrs. (38)
London (Kew)	68	58	54	-	-	8.7
Croydon	69	55	53	-	-	9.0
S. Farnborough	67	64	50	Tr	Tr	10.7
Boscombe Down	63	54	49	-	-	8.7
Thorney Island	68	58	54	-	-	*
Lympne ..	66	52	45	-	-	9.7
Manston ...	66	54	52	-	Tr	6.1
Shoeburyness ...	70	57	53	-	-	9.0
Felixstowe ...	67	57	56	-	-	6.7
Gorleston ...	65	56	53	-	-	7.2
Mildenhall ...	67	56	51	-	-	7.2
Cranwell ...	66	53	50	-	-	7.0
Birmingham ...	64	55	51	-	-	6.8
Upper Heyford	67	55	54	-	—	*
Ross-on-Wye	67	56	55	-	-	7.5
Hartland Point	63	57	57	-	1	7.5
Bristol ...	63	56	51	-	1	8.6
Portland Bill ...	62	57	*	-	-	*
Plymouth ...	64	58	52	-	0.3	9.8
The Lizard ...	65	56	*	-	Tr	11.5
Scilly (St. Mary's)	65	57	*	-	0.4	11.1
Guernsey ...						
Pembroke ...	62	59	*	-	0.1	5.0
Holyhead (Valley)	60	57	55	-	0.1	*
Chester (Sealand)	63	55	51	-	-	5.4
Manchester ...	62	54	51	-	Tr	*
Spurn Head ...	63	55	*	-	-	6.5
Catterick (Sc) ...	63	51	54	Tr	1	4.6
Tynemouth ...	62	51	50	-	2	*
St. Abbs Head	58	48	*	-	2	*
Leuchars ...	61	50	49	Tr	5	5.9
Renfrew (Abbots L.)	59	50	50	1	6	2.1
Eskdalemuir ...	56	47	46	Tr	13	0.9
Point of Ayre ...	63	53	*	-	1	1.7
Tiree	57	51	50	3	12	1.0
Stornoway ...	55	50	46	3	-	1.7
Dalwhinnie ...	53	46	45	Tr	3	1.5
Aberdeen † ...	59	49	47	1	4	5.8
Wick ...	57	49	47	Tr	5	*
Sumburgh ..	54	40	38	0.6	-	8.9
Blacksod Point	59	54	*	8	1	*
Malin Head ...	59	51		2	2	0.7
Aldergrove ...	59	51	52	0.6	0.6	1.6
Birr Castle ...	60	55	53	0.1	2	0.1
Valentia Obsy.	59	57	55	2	1	0.0
Roches Point	61	57	-	0.6	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	76	01954	24424	27	02953	26215
115	54	02954	24125	52	10844	08227
203						
206	52	61967	22228	57	62855	04368
210	86	02955	00087	52	62854	06268
219	87	02964	20388	57	61854	12368
230	87	25955	20188	57	61865	00068
245	86	25953	21288	87	02953	16328
260	52	02865	20428	52	02864	20328
278	82	02856	22328	52	61844	16368
279	84	02964	22428	57	02954	53587
285	27	02855	26417			
288				42	02865	20327
576	71	61854	16368	62	22834	17468
300	20	02962	22326	57	02953	22328
328	86	02755	26426	52	02764	24228
290	5-	02755	24215	5-	03758	24428
292	46	02964	19826	07	02990	24328
310	--	01625	24215			
614	26	02764	25327	2-	02757	02778

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

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
52	02745	10228	52	02756	10568
			52	62744	08468
5-	64618	00068	62	62628	00068
52	62804	14268	57	22843	12468
62	62625	41568	62	51736	06468
02	66528	17268			
62	62665	17168	62	62535	19168
52	62663	00068	57	02766	18227
52	02846	18368	52	02845	20328
62	62745	16568	52	02835	20668
			27	25745	24587
52	22763	14268	57	64655	18567
62	51744	51458	62	52625	56458
02	52748	15468	52	02845	22668
57	05663	16358	57	21664	18457
			5-	02757	20427
52	51665	16258	51	51656	12258
			--	02626	24416
52	61664	19328	52	51646	18328

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	20	02863	18328	27	61864	18324
334	--	03663	2417			
340	73	02954	24226	57	02953	23328
336	26	02863	22317	51	02764	21328
336	53	02754	24426	53	02752	20317
356	06	02854	24215	51	02863	23327
368	10	02963	24228	17	02953	22426
370	12	02854	22424	17	02851	22428
390	26	02754	20325	87	02853	22227
382	13	02864	23227	57	02865	22327
436	24	01753	22214	54	01763	23314
433	23	02864	22327	40	02863	21325
409	14	02953	24326	3	02953	22426

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

$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
52	61536	52668	57	02756	20467
			--	03656	26328
52	61865	18428			
			51	02863	19468
57	02724	20328	5-	02848	56428
			5-	65631	59567
57	02865	22328	5-	22835	53568
08	05690	20227	52	05657	18328
57	02724	20228	57	02847	54428
83	02752	23411	5-	02756	23528
53	02865	22326	5-	21846	9458
52	51736	19368	52	61735	22468

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 13th August
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 ...	bcm₀cy	cy	cc	Kew 24 hours ended 7h. Max. Time 0.1 8-9h. 12h. Min. Time 0.1 rest of period
Croydon ...	cz₀cy	cy	cycc	
Greenwich ...	bcy	bc ⊕c	cycd₀	
Camden Square	b	c	*	
Kensington ...	bc	cbc	*	
Hampstead ...	bc	bcp	c	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs* Yesterday	Humidity 15h % Today	Humidity 9h % Today
Kew ...	68	58	54	-	-	8.7	*	*
Croydon ...	69	55	53	-	-	9.0	*	*
Greenwich ...	72	57	51	-	Tr	9.0	35	80
Westminster ...	67	58	55	-	-	*	50	87
Regents Park ...	68	57	55	-	-	*	39	77
Camden Square	68	57	55	-	-	*	*	81
Kensington ...	69	57	53	-	Tr	*	51	81
Hampstead ...	67	54	51	Tr	-	*	*	90

SECRET

Page 1

BRITISH SECTION

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

Saturday 14th August 1943

No. 29850

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	10·8	−8	WSW	4	c	69	55	50	8	8	3	9	7-8	9	2500
	Croydon ...	11·5	−10	SW	4	c-bc	72	45	49	8	2	3	1	4-6	7-8	3000
	S. Farnborough	11·4	−2	W	4	c	70	55	51	8	7	7	4	7-8	9	3000
	Boscombe Down	12·2	−6	WSW	5	c	66	65	54	8	5	3	−	9	9+	2500
	Thorney Island	12·7	−4	SW'W	5	c-bc	67	92	65	9	8	7	1	4-6	7-8	2500
	Lympne ...	12·0	−18	SW	5	c/d	64	85	58	7	5	−	1	9	9+	600
	Manston ...	11·7	−20	SW	5	c-bc/d	68	65	58	8	2	3	−	4-6	7-8	2000
2	Shoeburyness ...	11·4	−20	SW	4	c	71	55	55	8	7	4	−	4-6	9	2500
	Felixstowe ...	10·2	−14	SW	5	c	71	65	57	8	5	7	−	7-8	9	4000
	Gorleston ...	08·0	−20	W'S	5	c-bc	70	55	52	7	2	−	2	7-8	7-8	1800
	Mildenhall ...	08·2	−14	WSW	5	c	72	55	53	8	2	−	1	7-8	9	4000
	Cranwell ...	06·9	−8	W'N	5	c-bc	68	55	51	8	1	−	1	7-8	7-8	2500
3	Birmingham ...	08·3	−2	W	4	c-bc	68	55	51	8	1	4	2	4-6	7-8	2500
	Upper Heyford	08·9	−14	WSW	5	c	70	55	52	8	4	−	6	4-6	9	3000
4	Ross-on-Wye	09·9	−4	W	5	bc	66	65	55	7	7	−	2	2-3	4-6	3000
5	Hartland Point	11·3	−8	W	4	id	60	97	60	5	5	2	−	9	10	600
	Bristol ...	11·9	−4	W'S	4	c	65	75	57	8	2	6	−	7-8	9+	2500
	Portland Bill ...	14·1	+2	WSW	6	o	61	85	59	7	5	−	−	10	10	2500
	Plymouth ...	13·7	−14	WSW	4	dd	60	97	60	6	5	−	−	10	10	200
	The Lizard ...	13·9	−12	WSW	5	df	60	85	56	3	5	−	−	10	10	800
	Scilly (St. Mary's)	13·9	−10	WSW	5	o/d	62	97	61	6	5	−	−	10	10	500
	Guernsey ...															
6	Pembroke ...	11·2	0	W'S	5	c	61	97	60	7	8	−	−	9+	9+	2000
7	Holyhead (Valley)	08·0	−2	SW	5	c	64	75	55	8	5	3	−	7-8	9	2000
	Chester (Sealand)	07·5	−6	W	4	c-bc	68	55	51	8	5	3	2	4-6	7-8	3000
8	Manchester ...	06·7	−4	WSW	4	c	63	65	51	9	2	−	−	10	10	3000
10	Spurn Head ...	06·1	−12	W'S	6	c	66	65	52	7	7	3	−	7-8	9	2500
	Catterick (Sc) ...	03·7	−6	SW	3	id	60	75	53	8	5	7	−	4-6	10	1200
	Tynemouth ...	02·8	−2	WSW	5	c	63	92	60	7	8	−	−	9	9	2200
11	St. Abbs Head	98·9	−12	SW	4	c	62	75	53	8	5	7	−	7-8	9+	2000
	Leuchars ...	98·0	−14	SW	5	c	62	75	55	8	8	2	−	7-8	9+	2000
12	Renfrew (Abbots I.)	00·0	−6	SW	5	id	59	75	52	7	5	2	−	9	9+	1600
	Eskdalemuir ...	00·2	−10	SW'S	5	ir	59	85	53	8	5	−	−	10	10	1500
	Point of Ayre ...	03·7	+2	W'N	6	c	64	75	55	8	8	−	2	7-8	9	1800
13A	Tiree ...	99·9	+10	NW'W	4	dd	54	97	53	6	5	−	−	10	10	600
13B	Stornoway ...	97·8	−4	NE	5	c	55	85	51	8	8	7	−	7-8	10	1400
15	Dalwhinnie ...	97·0	−10	S	3	c-bc	66	75	54	8	5	−	−	7-8	7-8	1500
	Aberdeen ...	96·6	−26	SSW	3	c	61	75	55	8	5	7	−	4-6	9+	1500
	Wick ...	98·3	−30	ENE	4	dd	51	97	50	6	6	2	−	4-6	10	300
16	Sumburgh ...	02·4	−18	E'N	4	r/r	52	85	48	9	8	2	−	2-3	10	1500
17	Blacksod Point	08·2	+6	W'S	5	o/pr	58	85	54	8	5	−	−	10	10	1500
18	Malin Head ...	02·8	+26	NW	7	c	57	75	49	8	5	−	−	9+	9+	800
	Aldergrove ...	04·7	+2	W'N	4	c	60	65	49	9	5	2	−	9	9+	1000
19	Birr Castle ...	08·7	+2	W	3	c	61	75	53	8	8	7	−	7-8	9	1500
20	Valentia Obsy.	11·6	−2	W	4	c	61	85	57	8	8	−	3	7-8	9+	2500
	Roches Point	10·4	−6	SW	3	c-bc	62	85	58	8	5	3	−	2-3	7-8	1500

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

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)	09·0	−14	SW'W	3	c	65	75	56	8	5	2	−	9+	10	1500	0	•
	Croydon ...	10·7	−6	S	4	c	64	75	57	8	5	−	−	10	10	3000	0	•
	S. Farnborough	09·6	−14	W'S	4	c	65	75	58	8	5	7	−	9+	10	1800	0	•
	Boscombe Down	10·1	−10	SW'W	4	c	64	85	59	8	5	−	−	4-6	10	1200	0	•
	Thorney Island	09·8	−22	SW'W	4	id	63	97	62	7	5	−	−	7-8	10	700	0	•
	Lympne ...	10·7	−6	WSW	4	c	62	85	58	6	5	2	−	9+	10	700	0	§3
	Manston ...	09·9	−6	SW'S	5	c	65	75	57	8	5	−	7	4-6	10	4000	0	•
2	Shoeburyness ...	11·1	+4	SW	4	c	66	75	57	7	5	7	−	7-8	9+	1500	0	•
	Felixstowe ...	08·4	−6	SW'W	5	c	69	65	55	8	5	7	2	4-6	10	4000	0	3
	Gorleston ...	06·9	+2	SW'W	4	c	71	55	54	7	5	7	−	4-6	9	2400	0	3
	Mildenhall ...	06·3	−12	WSW	6	c	69	55	51	8	5	3	8	1	9+	4000	0	•
	Cranwell ...	05·9	−4	W	5	c-bc	68	55	51	9	4	3	5	2-3	7-8	2500	0	•
3	Birmingham ...	07·2	−4	W	4	c-bc	65	65	54	8	5	3	−	4-6	7-8	2500	0	•
	Upper Heyford	07·8	−10	WSW	5	c	66	65	55	8	5	7	8	2-3	9+	2500	0	•
4	Ross-on-Wye	08·7	−10	WSW	4	bc	64	75	58	8	1	4	9	1	4-6	3000	0	•
5	Hartland Point	10·1	−6	WNW	4	id	60	97	60	6	5	−	−	9+	9+	500	1	4
	Bristol ...	10·8	−10	W	3	c	63	92	61	8	5	−	−	9+	9+	1000	0	•
	Portland Bill ...	10·5	−8	WSW	6	o	62	92	60	7	5	−	−	10	10	2500	1	5
	Plymouth ...	12·4	−2	W'S	5	o	63	97	61	6	5	−	−	10	10	1500	1	2
	The Lizard ...	13·2	−8	WSW	5	df	60	97	60	3	5	−	−	10	10	600	1	4
	Scilly (St. Mary's)	13·2	−8	WSW	5	df	62	92	61	2	−	−	−	10	10	<150	1	4
	Guernsey ...																	
6	Pembroke ...	09·8	−8	W'S	4	c	60	97	59	7	8	6	−	7-8	9+	2000	0	3
7	Holyhead (Valley)	07·8	0	W	4	ir	61	75	50	8	5	7	−	7-8	10	2500	1	4
	Chester (Sealand)	07·5	0	WSW	1	c	63	75	54	8	5	−	−	10	10	3500	0	•
8	Manchester ...	06·4	−8	W'S	3	pr	61	65	50	9	2	7	−	4-6	10	2500	0	•
10	Spurn Head ...	04·9	−8	W'N	5	c	64	65	53	7	7	7	−	7-8	10	2500	0	4
	Catterick (Sc) ...	02·8	−10	W	4	c-bc	61	65	51	8	5	3	8	4-6	7-8	1500	1	•
	Tynemouth ...	01·5	−8	W	6	c-bc	61	65	47	7	2	3	1	4-6	7-8	2200	1	3
11	St. Abbs Head	96·3	−8	W	6	c-bc	58	75	50	9	4	6	−	4-6	7-8	3500	0	4
	Leuchars ...	95·7	−6	SW'S	5	bc	59	75	50	9	8	7	9	4-6	4-6	2500	0	•
12	Renfrew (Abbots I.)	01·1	+4	WSW	5	c-bc	57	75	49	8	8	−	2	4-6	7-8	1400	1	•
	Eskdalemuir ...	01·0	+6	WSW	6	o/pr	54	75	46	8	5	−	−	10	10	1600	0	•
	Point of Ayre ...	04·3	0	WNW	6	c	60	75	52	8	8	−	−	10	10	2500	0	5
13A	Tiree ...	02·4	+10	NW	5	bc	55	85	51	8	2	3	−	4-6	4-6	2500	1	3
13B	Stornoway ...	00·9	+22	N	4	rr	52	92	49	6	6	2	−	7-8	10	800	1	2
15	Dalwhinnie ...	98·0	+6	W	4	c	50	85	46	7	5	6	−	7-8	9+	1500	1	•
	Aberdeen ...	91·8	−12	WNW	3	c/fr	56	85	52	7	6	2	−	4-6	9+	1500	1	3
	Wick ...	94·7	−12	NNE	5	ro	51	97	51	5	6	2	−	7-8	10	300	1	•
16	Sumburgh ...	98·9	−18	NE	6	ro	50	92	48	7	5	2	−	4-6	10	1500	1	3
17	Blacksod Point	07·5	−6	W'S	4	c/d	57	92	55	8	6	−	−	10	10	1500	1	4
18	Malin Head ...	04·0	+2	WNW	7	c/p	55	75	47	8	8	−	−	9+	9+	1500	1	5
	Aldergrove ...	05·6	+6	NW	5	c	57	75	49	9	8	2	−	7-8	9+	2000	1	•
19	Birr Castle ...	08·5	−2	W	2	ir	58	85	54	7	6	2	−	7-8	10	800	0	•
20	Valentia Obsy.	10·8	−4	WNW	2	ro	57	97	57	6	5	2	−	7-8	10	800	1	2
	Roches Point	09·4	−6	W	4	c	62	85	58	8	5	7	−	4-6	9+	1500	1	3

PAST 24 HOURS.

Stations	Weather. 7h.—13h. 13th (39)	Weather. 13h.—18h. 13th (40)	Weather. 18h. 13th to 1h. 14th (41)	Weather. 1h.—7h. 14th (42)
London (Kew)	c ro c y	c y c	d o d c q r r o	ir o r o r o c
Croydon ...	c c y	c y c	c c i d o c	c d d m i c m o
S. Farnborough	c c y	c y c	c i d o r d o m m o r r o d o m	
Boscombe Down	c i d o c	c c i d o c	c i d o c d o c m o c	
Thorney Island	c m o c i d o c	c i d o	r c i d o	c d o c f o r o
Lympne ...	c i d o m o c	c i d o m o	c i d m o	c i d o r o m o c
Manston ...	c i d o	c b c y c	b c c i d o	c r o o d d d m o
Shoeburyness ...	c i r c y	c y	c	c r o r o m o
Felixstowe ...	c i r o c	c c y c	c	c d o d o r o r o
Gorleston ...	c	c y q	c p r o c	b c
Mildenhall ...	c c y	c y	c y b c y b c c	c c i r o c
Cranwell ...	c y	c y v	c i r o c	b c c
Birmingham ...	b c b	b c c	c i r o	c r o b
Upper Heyford	c b c y	c y c	c i r o c	c r o r o m o
Ross-on-Wye	c b c q	c c b c	c	c b c c p r o
Hartland Point	i r i d c m o	d f i d c	i d o	c r o r o c
Bristol ...	c r o r o m o, i r o	c c p r o o i d o m o	c o i d c d d m o	c d d m o c m o
Portland Bill ...	c d o d o	c d o d o c m o	o d o	o c
Plymouth ...	c d o d o	c d o d o c m o	o d o d o m o	c o d o m o
The Lizard ...	c i d d f	o d f	p d f	c r f d f
Scilly (St. Mary's)	d f d f d o c	i d o d f d f	o d f d f	d f d f i d o
Guernsey ...				
Pembroke ...	c	c	c r o r o	c i d o
Holyhead (Valley)	c	c	c r o c	b c c b o
Chester (Sealand)	c y	c y c	c r o i r o	c p r o
Manchester ...	c	c p r o	r o r o p r o	c p r o p r
Spurn Head ...	c	c	c	b c
Catterick (Sc) ...		c	c b c c	b c
Tynemouth ...		c	c q	c b c q
St. Abbs Head	c b c c	c b c	c b c c	b c
Leuchars ...	c d o d o m o c	c b c	b c c b c	b c b v b c
Renfrew (Abbots I.)	d o d o m o c i d o	c d o d o b c c	b c	b c b w b c w
Eskdalemuir ...	c r o r o i r	c i r o c	c	d o c b
Point of Ayre ...	c	c	c p r r r	r r c
Tiree ...	c b c c i d o c d o d o m o	c b c	b c c i d o b c w	b c w i d o c
Stornoway ...	c i r o c	c r o r o r r	c r r c p r c v	b c c p r o b c
Dalwhinnie ...	c i r o	c i r		c o i r c
Aberdeen ...	c i d o c	c i r o R i r o	c i r o c	b c b
Wick ...	r r o r o	c d d d o d o r o	c r o r o c	c p r o c b c
Sumburgh ...	c c i r o	c r o r o	c r o r o	c j p b c
Blacksod Point	p r	d	p r	p r
Malin Head ...	r	p r	b c	p r
Aldergrove ...	c	c c p r o c	c t c c i r o	b c
Birr Castle ...	r	r	•	r
Valentia Obsy.	c	r	r	b c
Roches Point	c	c	r	b c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 14th August

Districts	Forecast
1 S.E. England 2 E. England .. 3 E. Midlands ...	Moderate to light westerly winds; fair with some bright periods but cloudy periods with chance of local drizzle at first near the South coast; rather close.
4 W. Midlands 5 S.W. England 6 South Wales	Light northwest wind backing slowly southwest, freshening; fair with bright periods to-day; cloudy with some drizzle and local hill and coast fog to-morrow: rather cool.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light northwest wind falling light variable, finally southerly; considerable bright periods, a few scattered showers; chance of rain by end of period on West coast; rather cool.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate northwest wind, falling light, finally south or perhaps southeast; bright periods, local showers; chance of rain on West coast by end of period: rather cool.
16 Orkneys and Shetlands	As 12-15
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light to moderate westerly wind backing southwest to south, freshening; bright periods early, becoming dull with rain and drizzle spreading from the West; rather cool early, becoming close.

GENERAL INFERENCE

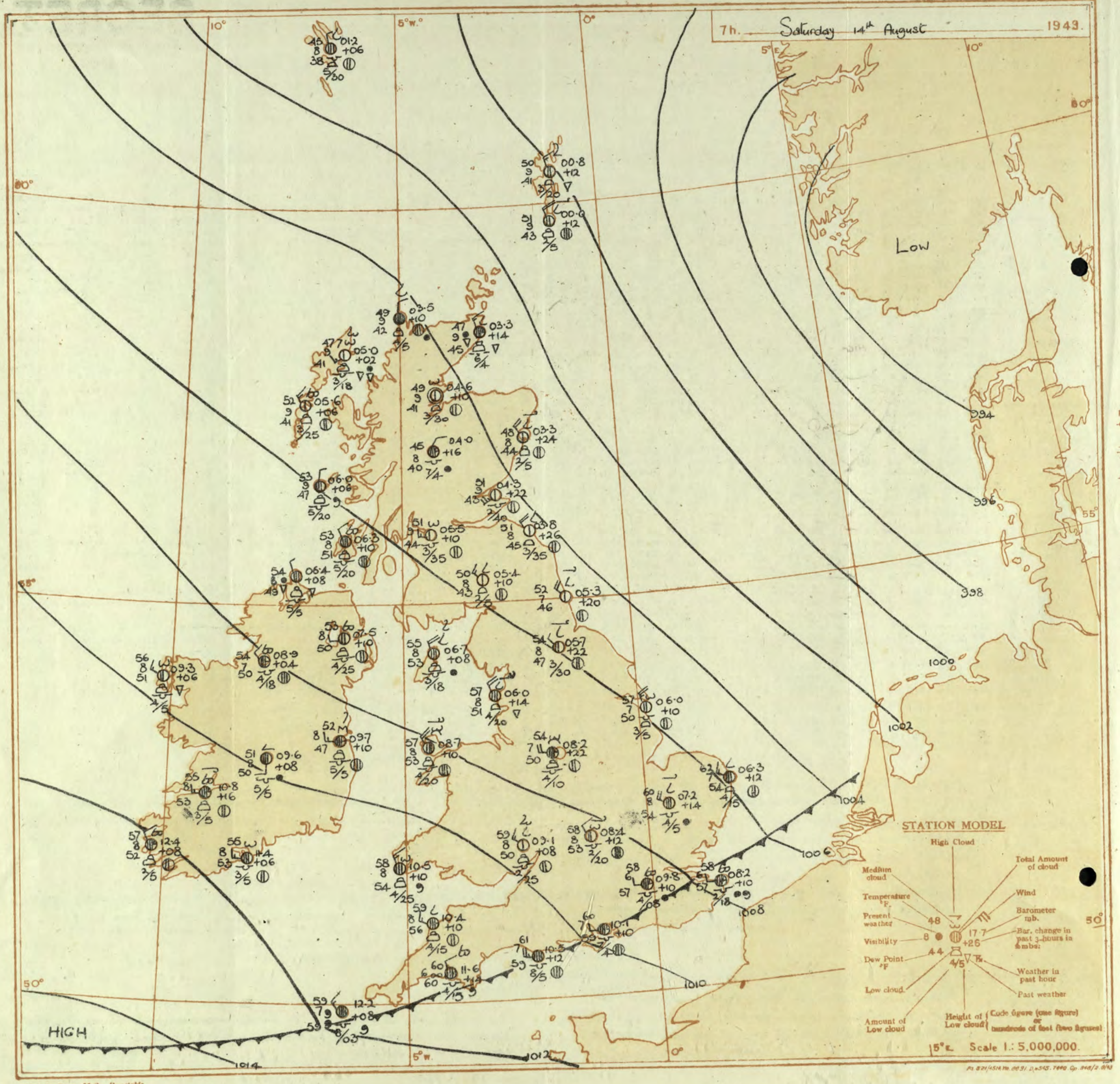
A feeble ridge of high pressure will move eastward across the country, to be followed by a depression advancing from the Atlantic. There will be considerable bright periods in all districts although with a few showers in the northern half of the country but rain will reach western districts to-morrow morning and spread eastwards.

FURTHER OUTLOOK

Becoming cool and showery in the northwestern half of the country; cloudy with some rain in the Southeast at first, then bright periods, possibly with showers.

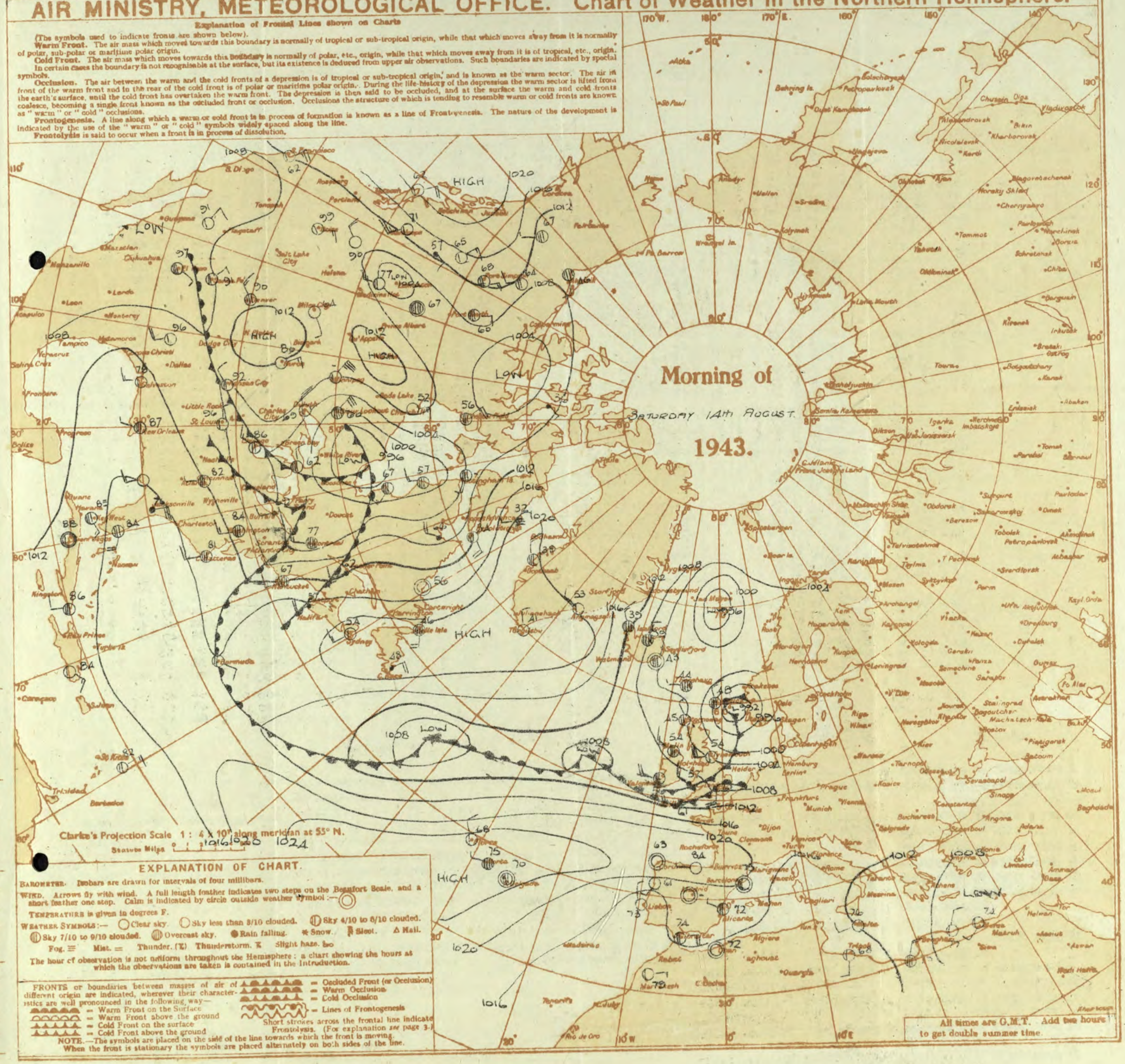
Forecasts issued at 1300

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Saturday 14th August 1943

No. 29850

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

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	280	09·0	-6	S	3	dd	61	97	60	6	5	-	-	7-8	10	1000
	S. Farnborough	226	07·6	-18	WNW	2	rr	61	92	60	5	5	-	-	10	10	200
	Boscombe Down	417	08·4	-14	WSW	3	d.d.	61	97	60	5	5	2	-	9	10	600
	Thorney Island	10	08·6	-8	SWW	5	id.	64	92	61	6	5	2	-	7-8	10	700
	Lympne	283	08·6	-10	WSW	3	d.d.	61	97	60	5	5	2	-	9+	10	600
	Manston	154	07·0	-14	SWW	2	dr	61	92	61	6	5	-	-	9	10	400
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	06·5	-10	SWW	3	c	63	85	60	7	5	2	-	4-6	10	4000
	Gorleston	5	05·5	-2	WNW	3	c/pr	62	85	56	7	5	-	-	10	10	1500
	Mildenhall	15	06·2	-4	WSW	4	c	62	75	54	8	5	-	-	7-8	10	4000
	Cranwell	203	05·6	-2	W	4	c	59	85	54	7	5	7	-	4-6	10	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	07·3	-2	W'S	3	dr	59	85	55	7	5	-	-	10	10	1500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	08·9	-2	WNW	3	id	59	97	59	5	5	-	-	10	10	450
	Bristol	209	09·5	-2	W	3	dd	58	97	58	5	6	2	-	7-8	10	300
	Portland Bill	32	09·5	-18	WSW	6	o	61	92	59	7	5	-	-	10	10	2500
	Plymouth	86	10·6	-1·2	WSW	5	d.d.	61	97	61	5	5	-	-	10	10	400
	The Lizard	240	11·7	-8	WSW	6	dF	59	97	59	1	-	-	-	10	10	200
	Scilly (St. Mary's)	163	11·7	-6	W'S	5	df	61	97	61	2	-	-	-	10	10	<150
	Guernsey	175															
6	Pembroke	142	09·1	-2	NW	3	rpro	57	97	57	7	8	2	-	7-8	10	1500
7	Holyhead (Valley)	32	07·2	0	WSW	3	c-bc	57	85	53	8	5	7	-	2-3	7-8	3000
	Chester (Sealand)	16	07·1	-2	WNW	3	c	58	75	51	8	5	7	-	2-3	10	2500
8	Manchester	230	06·2	0	W'S	4	pr	56	85	52	8	9	-	-	7-8	10	1400
10	Spurn Head	20	05·0	0	W'S	5	c	59	75	51	7	7	7	-	7-8	10	2500
	Catterick (Sc)	192	03·2	+4	W	2	bc	54	85	48	8	-	3	-	0	4-6	-
	Tynemouth	108	01·7	+6	W	6	b-bcq	54	85	49	7	-	4	-	0	2-3	-
11	St. Abbs Head	280	99·8	+30	W	6	c	53	75	47	7	5	4	-	7-8	9+	2500
	Leuchars	36	00·9	+32	W	4	bc	50	85	45	9	5	3	-	4-6	4-6	3000
12	Renfrew (Abbots I.)	19	03·6	+12	SW	3	bc	50	85	46	8	2	-	-	4-6	4-6	2400
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	04·9	+6	NW'W	5	rr	56	92	53	7	6	2	-	7-8	9+	1500
13A	Tiree	44	05·0	+10	NW	1	b-bc	49	92	46	8	5	3	-	Tr	2-3	2500
13B	Stornoway	12	04·3	+10	NNW	1	bc/pr	45	85	42	8	8	-	3	4-6	4-6	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	98·3	+36	NW	5	c-bc/pr	49	92	47	8	3	6	-	4-6	7-8	1500
	Wick	114	00·4	+22	NNW	4	bc	47	85	44	8	5	4	2	1	4-6	1500
16	Sumburgh	19	97·9	+2	N'W	4	c-bc	48	85	45	9	5	7	-	1	7-8	4000
17	Blacksod Point	18	08·6	+8	W	3	c/pr	55	85	50	8	9	-	-	9	9	2500
18	Malin Head	84	05·1	+6	NW	3	cbc	54	85	49	8	8	-	-	7-8	7-8	4000
	Aldergrove	268	05·9	+4	W	1	b-bc	52	92	51	8	5	3	1	2-3	2-3	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	11·5	+6	W'S	4	c	57	92	55	8	8	-	-	9+	9+	2500
	Roches Point	22	10·1	0	WNW	2	c/r	57	97	56	8	5	7	-	4-6	9	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 13th Hrs. (38)
London (Kew)	09·1	+16	W'S	2	c	60	92	57	7	5	-	-	9+	9+	4000	1	*	70	58	56	Tr	1	1·3
Croydon	09·8	+10	W	2	c	58	97	57	6	5	7	-	4-6	9+	800	1	*	73	57	56	-	5	2·7
S. Farnborough	09·5	+16	WNW	1	c	59	92	58	6	8	7	-	10	10	1800	1	*	71	56	56	-	5	2·8
Boscombe Down	08·9	+12	W'N	3	c	58	97	57	7	5	7	-	4-6	9	1000	1	*	68	56	56	Tr	5	2·2
Thorney Island	10·1	+0	W	2	c	60	92	59	7	5	-	-	9+	9+	1500	1	*	71	58	58	Tr	3	*
Lympne	08·9	+12	NWW	2	Zo	57	97	57	6	5	1	-	9+	10	400	1	4	65	55	56	0·1	4	2·5
Manston	08·2	+10	W	2	c/d	58	92	57	6	6	7	-	1	9+	1800	1	*	71	56	56	Tr	9	2·9
Shoeburyness	08·9	+10	W'S	3	Zo	59	92	57	6	5	7	-	2-3	9+	1500	1	*	74	57	58	Tr	3	4·4
Felixstowe	07·7	+14	WSW	4	c-bc	60	85	56	7	5	3	-	2-3	7-8	4000	1	3	74	58	56	Tr	0·5	[illegible]
Gorleston	06·3	-12	W'N	3	c-bc	62	75	54	7	1	4	-	4-6	7-8	1500	0	2	74	59	56	-	-	3·5
Mildenhall	07·2	+14	W'N	4	c-bc	60	85	54	8	5	4	1	4-6	7-8	2500	0	*	74	57	55	-	Tr	5·7
Cranwell	06·6	+10	W'N	4	c	57	85	52	8	5	3	-	7-8	9	3000	0	*	72	55	51	Tr	Tr	4·7
Birmingham	08·2	+8	W	4	b	57	85	53	8	5	-	1	Tr	1	800	0	*	71	55	49	-	0·4	7·8
Upper Heyford	08·4	+12	NNW	2	bc	58	85	53	8	5	3	1	1	4-6	2000	0	*	71	55	54	-	0·3	*
Ross-on-Wye	09·1	+8	W'N	3	b-bc	59	75	50	8	8	4	9	1	2-3	2500	0	*	68	56	53	-	0·1	6·0
Hartland Point	10·4	+10	WNW	3	c	59	92	56	8	2	4	-	4-6	9	1500	1	4	61	57	56	!	4	0·0
Bristol	10·7	+14	W	3	bc	58	92	56	7	5	7	1	1	4-6	1500	1	*	71	57	56	-	6	1·1
Portland Bill	10·5	+12	W	5	c	61	92	59	7	5	-	-	10	10	2500	1	5	62	59	*	Tr	-	*
Plymouth	11·6	+14	NW	2	Zo	60	97	60	6	5	7	-	4-6	10	1500	1	2	63	58	57	5	3	0·0
The Lizard	11·7	+6	W	3	df	59	97	59	3	5	-	-	10	10	400	1	4	62	58	*	0·5	3	0·0
Scilly (St. Mary's)	12·2	+8	NWW	3	id	59	97	59	7	5	-	-	10	10	300	1	4	63	59	51	1	2	0·0
Guernsey																							
Pembroke	10·5	+10	NW	3	c-bc	58	85	54	8	2	3	-	4-6	7-8	2500	1	3	62	55	*	-	2	2·4
Holyhead (Valley)	08·7	+10	WNW	4	c-bc	57	85	53	8	8	6	2	4-6	7-8	2000	1	3	65	54	51	0·3	1	*
Chester (Sealand)	07·9	+10	NWW	3	c-bc/pr	57	85	51	8	8	3	1	4-6	7-8	2400	1	*	69	56	51	-	0·5	7·2
Manchester	07·0	+10	WNW	3	Zo	56	85	52	6	2	6	1	2-3	4-6	1500	1	*	65	53	52	Tr	1	*
Spurn Head	06·0	+10	NWW	5	bc	57	75	50	7	7	3	-	2-3	4-6	2500	0	4	68	56	*	-	-	3·5
Catterick (Sc)	05·7	+22	WNW	1	bc	54	75	47	8	-	4	5	2-3	4-6	3000	0	*	63	50	46	0·2	-	0·7
Tynemouth	05·3	+20	WNW	4	b-bc	52	85	46	7	-	4	1	0	2-3	-	0	3	64	50	46	0·2	-	*
St. Abbs Head	03·8	+26	WNW	4	b-bc	51	75	45	8	1	4	-	2-3	2-3	3500	0	4	64	49	*	-	-	*
Leuchars	04·3	+22	SW	5	b-bc	51	75	43	9	5	-	-	1	2-3	4000	0	*	64	47	40	Tr	-	5·5
Renfrew (Abbots I.)	05·5	+10	W	3	b-bc	51	75	44	9	5	3	-	2-3	2-3	3500	1	*	60	44	33	0·3	-	2·7
Eskdalemuir	05·4	+10	WNW	3	b	50	75	43	8	1	4	-	1	1	2100	0	*	61	43	33	0·6	-	1·1
Point of Ayre	06·7	+8	NW	4	c-bc	55	53	53	8	8	4	6	2-3	7-8	1800	1	3	65	53	*	<	1	1·7
Tiree	06·0	+6	N	1	c-bc	53	85	47	9	8	-	-	7-8	7-8	2000	0		61	48	41	0·2	Tr	6·6
Stornoway	05·0	+2	SW	3	b-bc/pr	47	92	41	9	8	3	9	2-3	2-3	1800	1	1	56	39	30	4	2	1·5
Dalwhinnie	04·0	+16	NNE	2	c	45	85	40	8	5	-	-	9+	9+	1500	1	*	62	39	31	3	3	0·0
Aberdeen †	03·3	+24	WNW	4	b-bc	48	85	44	8	2	4	1	1	2-3	2500	1	2	64	47	44	2	1	1·9
Wick	03·3	+14	NW	3	pr	47	92	43	9	9	4	-	9	9+	1200	1	*	52	44	43	8	7	*
Sumburgh	00·0	+12	NW	4	bc	51	75	43	9	2	4	5	1	4-6	2500	1	2	54	47	41	3	2	6·4
Blacksod Point	09·3	+6	W'N	3	bc	56	85	52	8	8	3	-	4-6	4-6	2500	1	3	61	53	*	Tr	5	1·3
Malin Head	06·4	+8	NW	1	pr	54	85	50	8	8	-	-	7-8	7-8	2500	1	3	58	51		0·1	0·5	
Aldergrove	07·5	+10	W'S	2	bc	53	92	50	8	8	7	-	4-6	4-6	2500	1	*	61	49	46	0·1	3	0·9
Birr Castle	09·6	+8	S	2	c-bc	51	97	50	8	5	1	-	7-8	7-8	2500	0	*	64	49	46	0·3	1	2·0
Valentia Obsy.	12·4	+8	NW	2	c	57	85	53	8	2	7	-	1	9+	2500	1	2	62	55	52	0·5	3	1·4
Roches Point	11·4	+6	W	3	c-bc	55	92	53	8	5	3	-	2-3	7-8	2500	1	3	66	55		-	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 13th August $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 14th August $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
100	5-	62748	08668	5-	64648	36668	5-	51845	30525	36	01953	28314
115	51	52735	41568	52	62734	37567	23	02544	22426	24	22954	32225
203												
206	62	58627	00068	52	62756	26468	84	02954	28365	13	01963	00013
210	62	62635	02268	62	61925	25468	62	22755	30568	84	01963	26313
219	8-	02845	30657	20	01944	28565	83	01854	02215	27	02953	28313
230	5-	02858	53358	86	25955	57486	86	01853	26384	85	02964	00025
245	57	21746	20168	86	25854	56534	56	02854	28325	14	01951	28351
260	57	02844	20325	80	01743	57524	53	01754	53415	50	05662	24212
278				87	02844	59487	86	01844	26386	10	01863	28513
279				57	25845	57587	53	02854	22365	74	01964	24214
285	27	25745	26587									
288				86	02945	55586	03	01830	22413	24	01861	05154
576	26	25845	10586	81	81744	26428	27	02754	24285	57	02744	26226
301	53	02844	22627	77	02855	23627	57	02855	24527	14	01854	28485
321	26	02755	22426	87	02755	24428	57	02754	24225	24	05653	26364
298	5-	02745	20425	83	02755	22517	5-	02757	24327	44	01753	24313
302	52	51745	20458	57	02345	53527	57	02354	24325	54	01954	24224
318												
614	2-	02764	55425				22	05634	24227	53	02744	22327

III	13h. G.M.T. 13th August $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 14th August $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
338	86	02865	18526	52	02765	20428	52	02754	20228	86	02844	26215
334	--	03664	26227							--	02653	26215
340	74	02954	24525	57	02954	57427	52	22845	24268	54	02952	26113
136	13	02864	20525	17	02863	24525	52	02854	20368	54	01863	24524
336	53	01753	24514	53	01753	24415				80	25755	24485
350	10	02855	55425	54	02854	55526	57	62755	22368	57	01852	22364
368	5-	02844	59527	5-	52624	24358	5-	54438	24258	53	02755	24256
379	5-	02844	22527	57	62845	55426	57	21745	24358	53	01842	26324
390	57	02765	20425	57	02756	20427	5-	51648	20358	57	02754	24127
382	53	02854	57526	57	02846	24427	5-	51648	25228	53	01841	25124
438	5-	02747	23627	--	57109	23659				87	22644	22367
430	53	02845	22426	5-	51638	53458	5-	51637	55657	57	21744	23157
409	5-	52508	22558	5-	57308	54458	5-	57208	54558	5-	05628	31128

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 14th August
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	cir.cy	cyc	d.cqir.rcc
Croydon	ecy	cyc	cidcddc
Greenwich	cy	cy	cidrrc
Camden Square	c	c	*
Kensington	c	c	*
Hampstead	bc	orbc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h Max. [illegible] <0.1 Whole period Min. Time

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	9h % To-day
Kew	70	58	56	Tr	1	1·3	*	*
Croydon	73	57	56	-	5	2·7	*	*
Greenwich	74	57	56	-	3	2·4	54	73
Westminster	71	58	57		3		59	77
Regents Park	72	57	*	-	3		59	75
Camden Square	73	58	56	-	3	*	*	71
Kensington	73	58	56	-	3		74	69
Hampstead	70	55	53	-	3		*	79

SECRET

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BRITISH SECTION

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

Sunday 15th August 1943

No. 29831

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	10·1	0	W'S	3	c	68	45	48	8	2	9	-	4-6	9	2500
	Croydon ...	11·2	+2	W	3	c	70	55	51	8	8	7	1	4-6	9+	3000
	S. Farnborough	10·6	+2	W'N	4	c	68	55	50	8	1	7	-	4-6	9+	2500
	Boscombe Down	11·1	+2	W'S	4	c	63	65	51	8	1	7	-	4-6	9	2500
	Thorney Island	11·4	+2	SW	3	c	68	75	60	9	5	-	-	9+	9+	2500
	Lympne ...	10·6	0	SW	3	c	65	75	58	8	2	5	-	4-6	9+	2000
	Manston ...	10·0	+6	W	2	c	69	55	43	7	2	7	-	4-6	9	2800
2	Shoeburyness ...	10·5	-2	SW	3	c	70	55	53	8	7	7	-	4-6	9+	5700
	Felixstowe ...	09·1	+6	W'N	3	c	69	45	48	8	5	7	2	4-6	9+	4000
	Gorleston ...	08·3	+10	NW	2	c-bc	69	35	44	7	8	-	-	7-8	7-8	2000
	Mildenhall ...	08·7	+2	WNW	4	c-bc	69	45	46	8	8	-	8	4-6	7-8	3000
	Cranwell ...	08·2	0	W	3	c-bc	68	55	50	8	2	4	-	4-6	7-8	2500
3	Birmingham ...	09·2	+4	W	4	c-bc	65	55	49	8	8	-	-	7-8	7-8	4000
	Upper Heyford	09·1	0	W'S	3	c-bc	69	45	44	8	1	7	8	4-6	7-8	3500
4	Ross-on-Wye	09·9	0	NSW	4	bc	68	45	46	9	1	8	6	2-3	4-6	3500
5	Hartland Point	12·1	+6	W	2	c-bc	61	85	55	9	2	4	-	4-6	7-8	2000
	Bristol ...	11·6	+2	W'S	3	c-bc	65	65	53	8	1	3	1	2-3	7-8	3000
	Portland Bill ...	11·2	+4	SW	4	c	62	92	59	8	5	7	-	7-8	10	4000
	Plymouth ...	12·7	+2	WSW	3	c/r	62	97	61	8	5	2	-	7-8	9+	1500
	The Lizard ...	12·8	+2	W	3	c	60	97	60	7	5	1	-	7-8	9+	1500
	Scilly (St. Mary's)	13·3	+8	WNW	3	c	63	85	60	8	8	6	-	7-8	9+	1000
	Guernsey ...															
6	Pembroke ...	12·2	+8	W'N	4	bc	60	85	54	8	2	6	9	2-3	4-6	3000
7	Holyhead (Valley)	10·1	0	W'N	4	bc	62	65	52	8	2	6	-	2-3	4-6	2500
	Chester (Sealand)	09·2	+6	NNW	3	c-bc	61	65	51	8	2	6	-	4-6	7-8	2000
8	Manchester ...	09·2	+4	W'N	4	bc	63	55	47	8	2	6	-	4-6	4-6	2500
10	Spurn Head ...	08·0	+8	NNW	3	c	63	65	51	7	2	6	-	7-8	9	2500
	Catterick (Sc) ...	07·5	+6	W	2	c	62	65	49	8	8	6	-	7-8	9	3000
	Tynemouth ...	07·0	+6	NE	3	bc	57	75	47	8	2	-	-	4-6	4-6	2800
11	St. Abbs Head	06·4	+8	NNW	3	bc	55	65	42	8	1	4	-	2-3	4-6	4000
	Leuchars ...	05·8	+2	W'N	2	c-bc	61	55	42	9	7	4	-	4-6	7-8	3500
12	Renfrew (Abbots I.)	06·6	+2	SW	3	c	59	65	46	9	8	6	-	4-6	9+	2500
	Eskdalemuir ...	05·6	+4	W	3	pr	60	55	45	8	8	-	-	7-8	7-8	2500
	Point of Ayre ...	08·3	+6	NW'W	2	c	62	75	54	8	9	3	-	2-3	9+	4000
13A	Tiree ...	07·4	+4	SW	1	bc-jp	56	75	48	9	2	3	-	2-3	4-6	1800
13B	Stornoway ...	05·2	0	WNW	4	PR	53	85	47	8	8	-	-	9+	9+	1500
15	Dalwhinnie ...	06·4	+4	SSW	3	c	56	55	41	8	8	-	1	7-8	9	2500
	Aberdeen ...	05·3	+12	WNW	2	bc	58	55	40	9	2	3	1	4-6	4-6	4500
	Wick ...	04·6	+8	NNW	3	c-bc	57	56	43	9	2	7	-	4-6	7-8	2500
16	Sumburgh ...	01·5	+6	W'N	4	bc	54	75	47	9	2	6	-	4-6	4-6	2000
17	Blacksod Point	11·8	+14	WNW	3	c	59	75	51	8	8	-	-	9	9	1500
18	Malin Head ...	07·7	+6	WNW	4	c-bc	57	65	46	8	2	-	-	7-8	7-8	2500
	Aldergrove ...	09·2	+10	NW	3	pr	56	75	48	7	8	7	-	7-8	9+	2000
19	Birr Castle ...	10·2	+2	W	3	c-bc	66	55	50	8	4	-	-	7-8	7-8	1500
20	Valentia Obsy.	14·4	+14	WNW	4	pr	58	85	54	8	8	6	-	9+	9+	2500
	Roches Point	12·6	+4	W'N	3	bc	63	75	55	9	8	-	-	4-6	4-6	1500

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

Stations.	Barom. at M.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)
London (Kew)	09·0	-8	W'S	3	b-bc	69	35	40	8	7	4	9	2-3	2-3	2500	1	•
Croydon ...	10·6	-2	W	4	b-bc	68	45	47	9	4	6	9	1	2-3	3000	0	•
S. Farnborough	09·9	-6	W'N	4	bc	67	55	54	8	7	6	9	1	4-6	3000	0	•
Boscombe Down	11·0	-2	W	4	c-bc	62	65	49	8	1	7	-	2-3	7-8	2500	0	•
Thorney Island	11·1	-6	WSW	3	c/r	63	92	61	8	8	7	3	4-6	9	1500	1	•
Lympne ...	10·2	-2	WSW	3	c/pr	63	85	59	7	2	7	-	7-8	10	1500	0	§•
Manston ...	09·0	-8	WSW	3	c-bc	68	55	52	8	4	3	9	4-6	7-8	3000	0	•
Shoeburyness ...	10·0	-6	WSW	3	bc	68	75	60	8	2	3	-	2-3	4-6	4000	0	•
Felixstowe ...	07·9	-10	SW'W	4	c-bc	70	45	48	8	5	-	2	7-8	7-8	4000	0	4
Gorleston ...	08·2	-14	SE'E	3	c-bc	62	75	54	7	8	-	-	7-8	7-8	2000	0	3
Mildenhall ...	07·7	-10	W	3	c	68	45	46	8	2	4	1	9	9	4000	0	•
Cranwell ...	08·0	0	NW	4	c	64	55	45	9	2	-	-	9+	9+	3000	0	•
Birmingham ...	09·2	0	W	4	bc	64	55	48	8	8	-	-	4-6	4-6	4000	0	•
Upper Heyford	08·8	-6	W	4	c-bc	65	45	44	8	2	-	-	7-8	7-8	3500	0	•
Ross-on-Wye	10·1	0	W	4	b-bc	65	45	44	9	8	-	-	2-3	2-3	3500	0	•
Hartland Point	12·5	+2	WNW	3	bc	60	85	53	8	2	4	-	4-6	4-6	2000	0	4
Bristol ...	11·0	-4	W	4	b	62	75	53	8	2	-	-	1	1	4000	1	•
Portland Bill ...	10·7	-2	W	4	c	61	92	59	8	5	2	-	7-8	10	5700	1	4
Plymouth ...	13·3	+2	WNW	4	c-bc	62	75	55	9	7	3	-	4-6	7-8	4000	1	2
The Lizard ...	14·4	+6	W	3	c-bc	59	89	49	8	5	-	-	7-8	7-8	2500	0	3
Scilly (St. Mary's)	15·1	+6	NW'W	5	bc	61	75	53	8	8	3	-	4-6	4-6	1500	0	4
Guernsey ...																	
Pembroke ...	12·2	0	W'N	5	oc/pr	59	92	56	8	8	4	-	4-6	4-6	3000	0	3
Holyhead (Valley)	09·7	+6	WNW	2	pr	56	75	48	7	3	6	2	4-6	7-8	2700	1	•
Chester (Sealand)	10·2	+10	NW'W	5	PR	52	85	48	6	9	-	-	9+	9+	2500	1	•
Manchester ...	08·0	0	E'S	3	c	58	85	52	7	7	3	-	4-6	9	1500	1	•
Spurn Head ...	07·5	0	W	3	c-bc	60	65	49	8	8	6	1	4-6	7-8	2500	0	2
Catterick (Sc) ...	07·5	+8	W	3	c-bc	60	65	49	8	6	6	1	4-6	7-8	3000	0	•
Tynemouth ...	08·1	+4	S	3	c-bc/pr	52	92	50	7	8	-	-	7-8	7-8	2800	1	3
St. Abbs Head	06·4	0	S	3	c-bc/r	51	92	48	8	5	6	-	4-6	7-8	2500	0	3
Leuchars ...	05·7	-4	W	3	c	57	65	47	8	9	6	2	7-8	9+	2500	1	•
Renfrew (Abbots I.)	07·8	+8	W	4	bc	57	65	45	9	3	6	1	2-3	4-6	2500	1	•
Eskdalemuir ...	07·1	+8	WSW	3	c-bc/pr	52	85	46	8	5	-	-	7-8	7-8	2100	1	•
Point of Ayre ...	09·3	+4	NW	4	c/pr	55	92	53	8	9	-	-	9	9	3500	1	3
Tiree ...	08·7	+2	WNW	4	bc	54	85	49	9	2	-	-	4-6	4-6	2500	1	
Stornoway ...	05·9	+2	WSW	4	c-bc/pr	53	75	46	8	8	6	9	7-8	7-8	1800	1	3
Dalwhinnie ...	07·5	+6	SW	3	bc	50	75	43	8	5	4	-	4-6	4-6	4000	0	•
Aberdeen ...	05·9	+6	S	2	c-bc/p	55	65	48	8	2	6	-	1	7-8	4500	1	1
Wick ...	05·7	+4	WNW	2	c-bc/pr	50	85	48	9	8	7	-	7-8	7-8	3000	1	•
Sumburgh ...	03·0	+6	WNW	4	c-bc	51	75	45	9	8	6	1	4-6	7-8	1500	0	2
Blacksod Point	14·1	+10	NW	3	pr	56	75	48	8	8	-	-	9	9	2500	1	3
Malin Head ...	10·1	+12	WNW	5	bc	56	65	45	8	2	-	-	4-6	4-6	2500	1	4
Aldergrove ...	10·7	+14	NW'W	3	bc	59	55	44	9	8	-	-	4-6	4-6	2500	1	•
Birr Castle ...	12·5	+12	WNW	2	c-bc	61	65	50	8	8	-	-	7-8	7-8	1500	0	•
Valentia Obsy.	16·4	+10	NW'N	4	b-bc	59	75	51	9	2	-	1	1	2-3	2500	1	4
Roches Point	14·0	+12	NNW	5	bc	62	75	54	9	8	4	-	4-6	4-6	2500	1	3

PAST 24 HOURS. WEATHER.

Stations.	7h.—13h. 14th (39)	13h.—18h. 14th (40)	18h. 14th to 1h. 15th (41)	1h.—7h. 15th (42)
London (Kew)	cbccy	bcy	bcyb	bw
Croydon ...	moc	bcy	b	b
S. Farnborough	cmoc	bcy	bcyb	bbcbw
Boscombe Down	c	cbc	bcbw	bwb
Thorney Island	cdocfrocmc	crrc	b	bbcbw
Lympne ...	c	bc	bcprob	bmowb
Manston ...	cmobccro	cybcyv	bwvbcb	b
Shoeburyness ...	bccy	cybc	bcPR	bc
Felixstowe ...	ccy	cy	b	b
Gorleston ...	cy	c	cprocbc	bcb
Mildenhall ...	cbcbccy	cy	cycbrbc	bbmo
Cranwell ...	bccy	cvy	cybcbmo	bbro
Birmingham ...	bbc	bc	PRbc	pcb
Upper Heyford	cy	cybcyc	bclpro	b
Ross-on-Wye	bcbc	bcvy	cpobv	bw
Hartland Point	c	ccirp	bc	bcv
Bristol ...	bccyc	bcbbcb	cprobw	bw
Portland Bill ...	c	c	bcbcb	cbc
Plymouth ...	cmocirp	c	cbcbw	bwbm
The Lizard ...	odffc	c	cbcbw	bbcw
Scilly (St. Mary's)	cidoc	cbc	bcb	b
Guernsey ...				
Pembroke ...	cbc	bccPRbcq	qbc	b
Holyhead (Valley)	c	bcctlrp	bccbc	bbcw
Chester (Sealand)	c	ccprf	cbcpro	bbc
Manchester ...	bcmopro	bccPR	cpcb	procpr
Spurn Head ...	c	c	b	bzo
Catterick (Sc) ...	bcycy	cprc	cbcb	b
Tynemouth ...	bc	bccp	bcmobc	bcc
St. Abbs Head	cbc	cprrrc	ctrcbc	bcb
Leuchars ...	bbccvy	cvprtr	cprobcb	bbw
Renfrew (Abbots I.)	bcwbcc	cbctrbc	bc	bc
Eskdalemuir ...	bccpro	bctrctrc	cprbcc	cprbcc
Point of Ayre ...	bc	ctPH	b	b
Tiree ...	cbccpr bc	bccpc	bcprbc	bccprbc
Stornoway ...	bcccpr	cprobcprc	bcprbc	bcc
Dalwhinnie ...	c	cbc		cprobc
Aberdeen ...	bbcy	bcjpprcjp	cprobc	bcw
Wick ...	bcy	bcyprcjpr	ccbc	bc
Sumburgh ...	bccprobc	bccprc	cbcc	mcbc
Blacksod Point	pr	pr	c	c
Malin Head ...	pr	pr	pr	pr
Aldergrove ...	ccpro	cprcbcy	bcybbc	bccprobc
Birr Castle ...	c	pr	•	bc
Valentia Obsy.	pr	pr	bc	bc
Roches Point	bc	bc	b	bc

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

Districts.	Forecasts
1 S.E. England 2 E. England .. 3 E. Midlands ... 4 W. Midlands	Winds westerly moderate, falling light variable to southwest; fine, rather cool.
5 S.W. England 6 South Wales	Wind light variable becoming south to southeast moderate; fine today; cloud increasing tomorrow with some drizzle likely by end of period; rather warm by day.
7 North Wales 8 N.W. England 9 N. Midlands ...	Moderate west winds backing south light to moderate; fair today, becoming cloudy tomorrow, with rain probable by end of period; rather cool.
10 N.E. England 11 S.E. Scotland	Wind northwest moderate backing southwest later; considerable bright periods; chance of scattered showers today; cool.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate west to northwest winds, slowly backing to south later; bright periods; showers today especially in the North and west; showers less frequent tomorrow; cool generally.
16 Orkneys and Shetlands	As 12–15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Winds backing southerly increasing moderate to fresh; bright periods at first, cloud increasing; rain spreading eastwards tomorrow; rather cool.

GENERAL INFERENCE

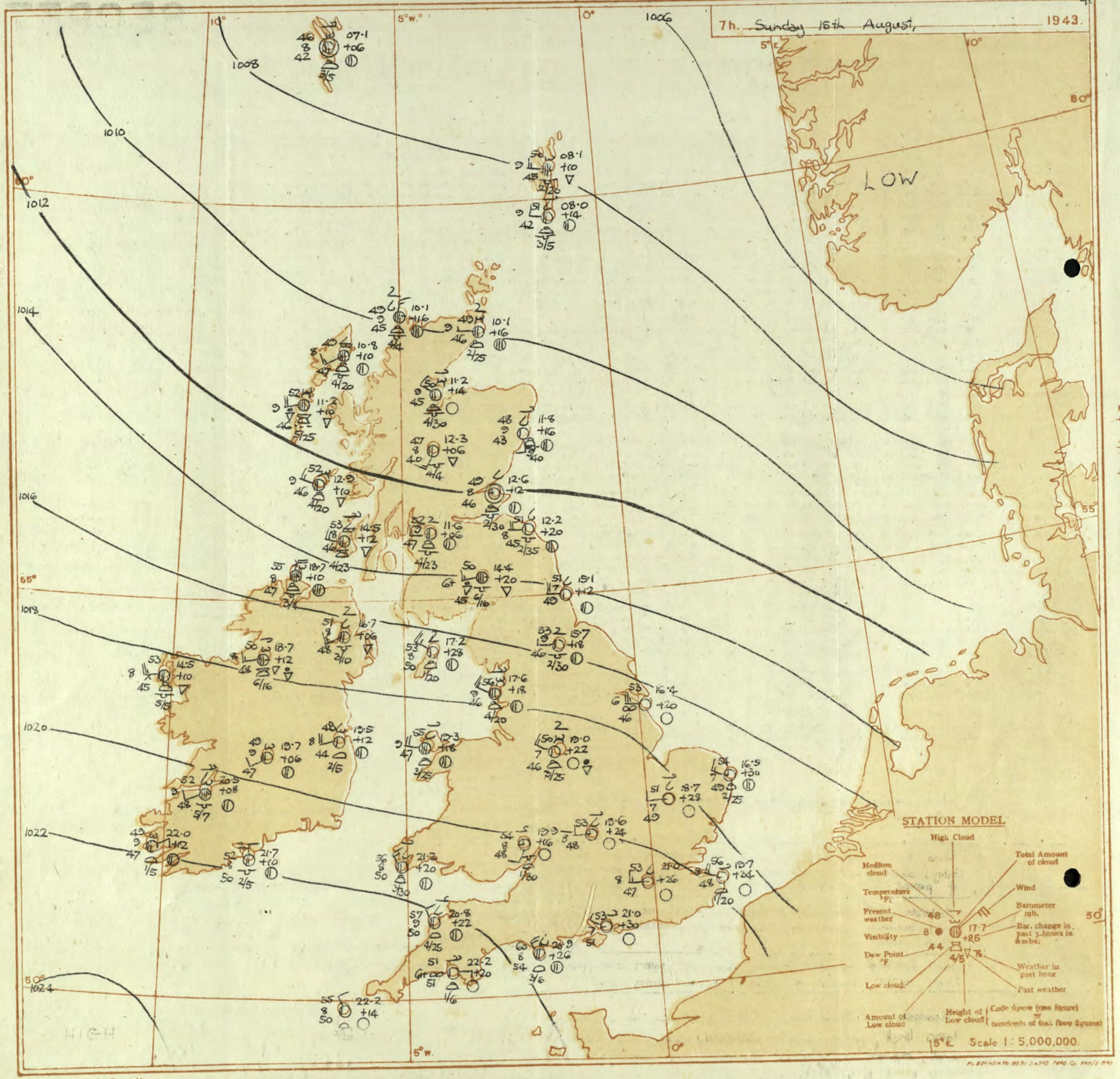
Pressure is high to southwest of the British Isles, and a ridge of high pressure will move eastwards across the country and be followed by a depression spreading in from the Atlantic; weather will be mainly fine over England but rather showery today in Scotland; during tomorrow rain will spread eastwards from Ireland.

FURTHER OUTLOOK

The unsettled westerly type is likely to continue.

Forecasts issued at 10·30

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

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

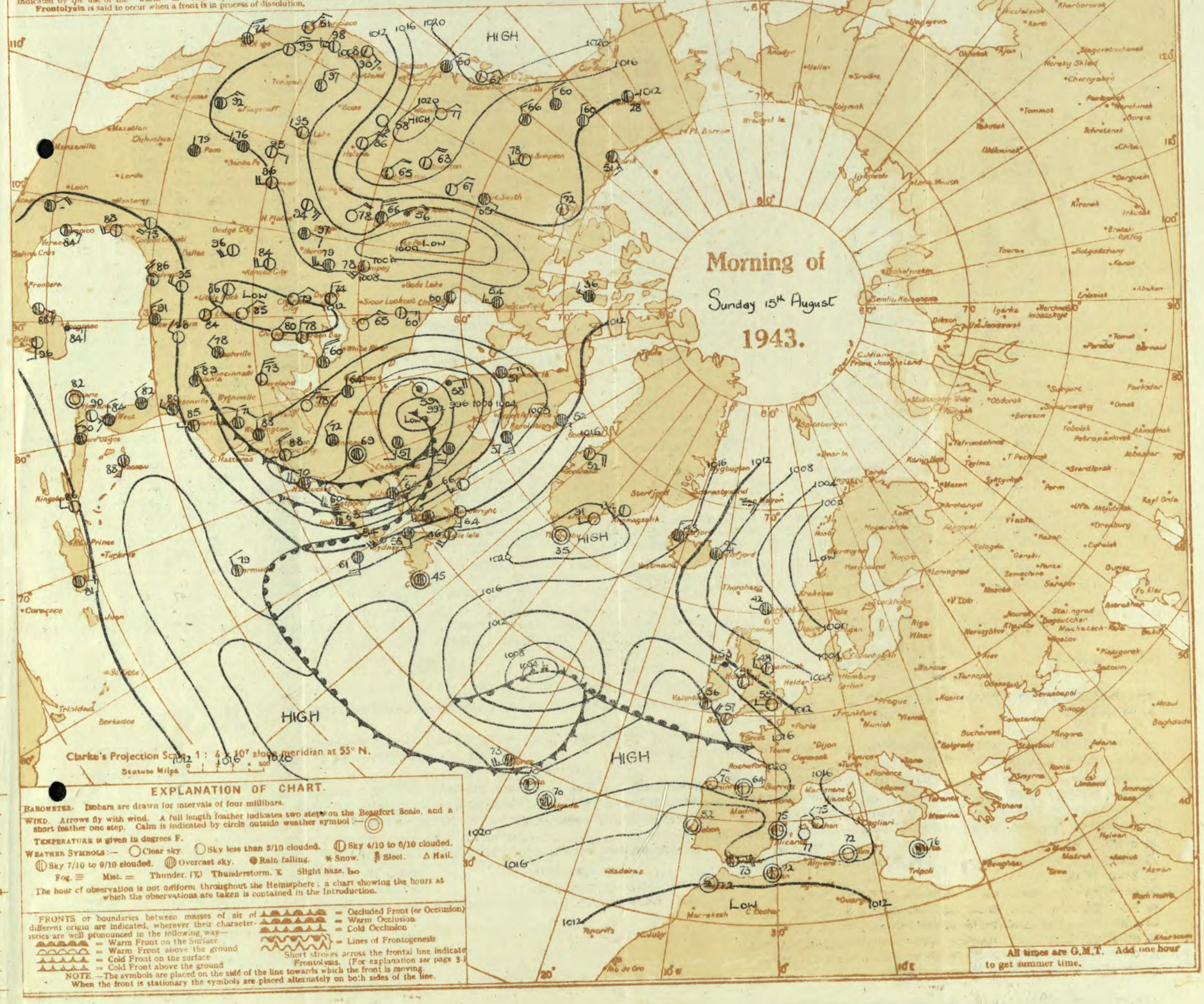
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

All times are G.M.T. Add one hour to get summer time.

BRITISH SECTION

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

Monday 15th August 1943

No 29851

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F (6)	Humid. % (7)	Dew Point °F (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	55	*	*	*	*	*	*	*	*	*
	Croydon ...	290	15·8	+30	WSW	2	b	55	75	45	8	–	–	–	0	0	–
	S. Farnborough	226	15·6	+26	NW'N	2	b	52	85	49	8	–	–	–	0	0	–
	Boscombe Down	417	16·3	+26	NW'N	2	b	52	92	50	8	–	–	–	0	0	–
	Thorney Island	10	15·5	+22	W'N	3	b	54	92	53	7	5	–	–	1	1	2500
	Lympne ..	283	14·4	+10	NW	2	Zo	51	85	47	6	–	–	–	0	0	–
	Manston ..	154	13·3	+34	NW	4	b	57	65	47	8	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	12·6	+30	W	4	b	57	75	49	8	–	–	–	0	0	–
	Gorleston ...	5	10·9	+22	S	3	b-bc	54	85	51	7	8	–	–	2-3	2-3	2500
	Mildenhall ...	15	13·1	+28	W	2	b	49	92	47	8	–	–	–	0	0	–
	Cranwell ...	203	13·3	+24	W	3	b	50	92	48	6	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	14·8	+22	WNW	2	b	49	85	45	9	5	–	–	Tr	Tr	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·3	+22	WNW	3	b-bc	59	75	55	8	1	–	–	2-3	2-3	2500
	Bristol ...	209	16·6	+22	W	3	b	51	92	49	8	–	–	1	0	Tr	–
	Portland Bill ...	32	16·6	+24	W	4	bc	59	85	55	8	1	–	–	4-6	4-6	4000
	Plymouth ...	86	18·9	+22	NW	1	b	54	97	54	8	7	–	–	Tr	Tr	2500
	The Lizard ...	240	18·1	+16	NNW	3	b	55	97	54	8	–	–	–	0	0	–
	Scilly (St. Mary's)	163	18·5	+12	NW'N	4	b	57	92	53	8	1	–	–	Tr	Tr	2500
	Guernsey ...	175															
6	Pembroke ...	142	17·9	+20	NW'N	4	b-bc	58	85	53	8	1	4	1	2-3	2-3	3000
7	Holyhead (Valley)	32	15·9	+18	NW'N	2	b	51	85	47	8	2	4	–	1	1	2500
	Chester (Sealand)	16	15·0	+22	NW	2	b-bc	52	85	45	8	2	–	–	2-3	2-3	2500
8	Manchester ...	230	14·5	+18	WNW	3	b	48	92	47	8	2	4	–	1	1	2500
10	Spurn Head ...	29	12·1	+18	WNW	5	b	54	85	48	7	–	–	–	0	0	–
	Catterick (Sc) ...	192	12·4	+20	WNW	2	b	48	85	43	8	–	–	–	0	0	–
	Tynemouth ...	108	11·6	+12	W	3	b	48	85	48	7	–	4	–	0	1	–
11	St. Abbs Head	280	09·3	+14	W	5	b-bc	51	75	42	7	5	–	–	2-3	2-3	4000
	Leuchars ...	36	09·9	+16	SSW	1	b-bc	44	85	41	8	5	4	–	2-3	2-3	5000
12	Renfrew (Abbotsinch)	19	11·4	+20	W'S	2	bc	50	92	45	8	2	–	–	4-6	4-6	2400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	13·9	+22	NW	5	b	54	85	48	8	1	–	–	Tr	Tr	2000
13A	Tiree ...	44	11·5	+10	W	4	bc	50	92	47	9	2	–	–	4-6	4-6	2500
13B	Stornoway ..	12	09·2	+14	WSW	2	bc	44	97	43	8	3	6	3	2-3	4-6	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	09·0	+14	W'S	3	c-bc	47	85	43	9	4	6	–	4-6	7-8	2500
	Wick ...	114	07·5	+4	WSW	1	bc	46	92	44	9	4	6	3	1	4-6	2300
16	Sumburgh ..	19	05·7	+10	NW'N	2	c-bc	47	85	44	9	2	3	2	4-6	7-8	2500
17	Blacksod Point	18	17·2	+10	WNW	3	c	53	75	45	8	8	–	–	9	9	2500
18	Malin Head ...	84	12·9	+10	W	4	pr	53	85	49	8	9	–	–	4-6	4-6	2500
	Aldergrove ...	268	15·1	+14	W	3	b-bc	48	85	44	8	–	4	5	0	2-3	–
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	22·2	+10	NNW	3	c-bc	56	85	51	8	8	–	–	7-8	7-8	2500
	Roches Point	22	19·8	+22	NW'N	3	b	53	92	51	8	5	–	–	Tr	Tr	2500

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

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	+40	W'S	1	b	55	75	48	8	5	–	–	Tr	Tr	4000	0	*
	Croydon ...	21·0	+26	W	3	b	53	85	47	8	–	4	–	0	Tr	–	0	*
	S. Farnborough	21·0	+28	W'N	2	b	52	85	48	8	–	4	8	0	Tr	–	0	*
	Boscombe Down	21·1	+22	W'S	1	b	52	92	50	7	–	–	–	0	1	–	0	*
	Thorney Island	21·0	+30	NW'N	1	b	53	92	51	7	–	–	1	0	Tr	–	0	*
	Lympne ..	20·3	+32	NW	2	b	55	75	48	7	–	–	3	0	Tr	–	0	§2
	Manston ..	19·7	+34	WNW	4	b	56	75	48	8	1	–	1	Tr	Tr	2000	0	*
2	Shoeburyness ...	19·5	+32	NW	1	b	55	75	48	7	–	4	–	0	Tr	–	1	*
	Felixstowe ...	18·6	+32	W'N	3	b	54	85	48	7	–	–	1	0	Tr	–	0	3
	Gorleston ...	16·5	+30	WNW	3	b	54	85	49	7	2	–	–	1	1	2500	1	2
	Mildenhall ...	18·7	+28	W	2	b	51	92	49	7	–	4	1	0	Tr	–	1	*
	Cranwell ...	18·2	+26	W'S	3	Zo	51	85	47	6	–	3	–	0	Tr	–	0	*
3	Birmingham ...	19·5	+18	W	3	b	52	85	48	8	–	4	–	0	1	–	1	*
	Upper Heyford	19·6	+24	W	2	b	53	85	48	8	–	4	1	0	1	–	0	*
4	Ross-on-Wye	19·9	+16	SSW	2	b	54	85	48	8	7	–	8	Tr	1	3000	0	*
5	Hartland Point	20·8	+22	NW	2	bc	57	75	50	9	1	4	8	4-6	4-6	2500	0	4
	Bristol ...	21·2	+26	WNW	2	b-bc	54	92	52	7	–	–	9	0	2-3	–	0	*
	Portland Bill ...	20·9	+26	NW	4	bc	60	85	54	8	1	4	–	2-3	4-6	4000	1	1
	Plymouth ...	22·2	+20	E	1	Zo	51	97	51	6	2	–	2	Tr	2-3	4000	0	1
	The Lizard ...	22·2	+20	NW	2	b-bc	54	92	52	8	4	–	–	2-3	2-3	3000	1	3
	Scilly (St. Mary's)	22·2	+14	NW'N	2	b-bc	55	85	50	8	1	–	–	1	2-3	2000	1	3
	Guernsey ...																	
6	Pembroke ...	21·2	+20	NW	3	bc	56	85	50	8	2	4	1	2-3	4-6	3000	0	3
7	Holyhead (Valley)	19·3	+18	W'N	4	c-bc	55	75	47	9	2	4	1	2-3	7-8	2500	1	2
	Chester (Sealand)	18·4	+22	WNW	1	c-bc	54	75	47	8	8	–	–	7-8	7-8	2500	0	*
8	Manchester ...	18·0	+20	SW	3	Zo	50	92	49	6	3	6	3	4-6	7-8	2000	1	*
10	Spurn Head ...	16·4	+20	W'N	5	Zo	53	75	46	6	–	–	–	0	0	–	0	3
	Catterick (Sc) ...	15·7	+18	W	1	b-bc	53	75	46	9	5	–	5	1	2-3	3000	0	*
	Tynemouth ...	15·1	+12	W	4	b-bc	51	85	49	7	–	4	–	0	2-3	–	1	3
11	St. Abbs Head	12·2	+20	W	4	b-bc	51	75	45	8	5	4	–	1	2-3	3500	0	3
	Leuchars ...	12·6	+12	–	0	b	49	92	46	8	8	4	–	1	1	3000	0	*
12	Renfrew (Abbotsinch)	13·6	+6	WSW	2	bc	52	92	47	9	8	–	5	4-6	4-6	2300	1	*
	Eskdalemuir ...	14·4	+20	WSW	3	pr	50	85	45	6	5	–	–	9	9	1600	1	*
	Point of Ayre ...	17·2	+28	WNW	5	b-bc	53	92	50	8	2	–	6	Tr	2-3	2000	0	3
13A	Tiree ...	12·9	+10	W'N	3	bc	52	85	46	9	2	6	–	4-6	4-6	2000	1	
13B	Stornoway ..	10·8	+10	SW	3	c-bc	49	92	47	8	8	7	–	4-6	7-8	2000	1	2
15	Dalwhinnie ...	12·3	+6	SSW	3	bc	47	75	40	8	5	–	–	4-6	4-6	1500	1	*
	Aberdeen † ...	11·8	+16	S	1	b-bc	48	85	43	9	8	4	1	2-3	2-3	4000	1	2
	Wick ...	10·1	+16	W	1	bc	49	85	46	9	2	6	6	1	4-6	2500	0	*
16	Sumburgh ..	08·0	+14	W	2	bc	51	75	42	9	8	4	1	2-3	4-6	2500	0	
17	Blacksod Point	18·7	+10	NNE	4	c	55	75	47	8	8	3	–	2-3	9+	1500	1	3
18	Malin Head ...	14·5	+10	W	5	c-bc/pr	53	75	45	8	8	–	–	7-8	7-8	2500	1	4
	Aldergrove ...	16·7	+6	SW	3	bc	51	85	48	8	5	4	6	2-3	4-6	1000	1	*
19	Birr Castle ...	19·7	+6	SW	2	bc	49	92	47	9	–	3	–	0	4-6	–	0	*
20	Valentia Obsy.	22·0	+12	NE'E	2	bc	49	92	47	9	1	3	–	Tr	4-6	2500	1	2
	Roches Point	21·7	+10	N	2	bc	52	92	50	8	5	–	5	1	4-6	2500	1	3

PAST 24 HOURS

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

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	86	02964	25625	23	25864	26494
115	24	81854	24385			
203						
206	86	02965	20387	86	01964	22384
210	86	02964	26415	36	81855	26447
219	30	27954	26284	30	10954	23524
230	86	25965	20186	84	10964	26314
245	76	02963	20316	36	02855	15285
260	20	02856	28216	86	25764	20394
276	86	01955	29485			
279	87	82765	22487	96	10964	25215
285	27	81745	30487			
288	8-	02967	25317	8-	25656	06286
575	84	81747	28287	30	01864	28214
301	26	01763	24415	86	25945	24486
321	86	02755	25326	26	01764	26424
299	80	02755	28315	8-	02757	10267
302	26	25964	24385	36	02964	24475
310						
614	86	02754	24325	86	02764	28224

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	27	02854	22326	36	01954	25224
115	87	10944	28326	84	02944	32326
203						
206	8-	01964	26314	86	01964	26204
210	53	01863	22284	14	01951	22314
219	9-	81856	25586	96	81955	23485
230	8-	02857	18187	86	25965	20285
245	43	01864	23182	74	01951	29101
260	50	05662	20202	5-	02855	20315
276				76	01853	22414
279	26	01864	24314	83	10854	24414
285						
288	00	00890	23300	04	01890	20212
575	30	25863	24383	33	25846	22386
301	26	01953	28413	26	02954	26515
321	00	00790	28410	14	05662	20203
299	00	00790	24300	10	01751	24201
302	00	00990	24310	20	01951	24214
310						
614	00	05690	24310	54	05662	24314

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
388	8-	02856	22326	86	82756	22488
334						
340	5-	02955	28325	36	81955	26327
136	10	01764	24414			
336				40	01765	24415
850	10	02865	24225	2-	02865	24425
368	13	02964	24325	10	01863	24313
379	17	02855	24425	80	02844	24215
390	21	02863	24326	20	01764	22314
382	17	02854	24325	23	01863	25423
438				87	02754	23515
430	23	02845	23328	57	25745	22326
409	5-	02857	08257	54	01953	53514

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
388	10	01852	00012	26	01853	24203
334						
340	14	01951	24311	23	01951	26212
136	00	00790	24490	24	01861	24401
336						
850	04	01890	23311	04	01890	22202
368	50	01852	00083	84	01853	28114
379	00	00990	26310	04	01890	28301
390	00	00790	24210	00	00790	24210
382	04	01890	27211	04	01890	25113
438				04	01790	30312
430				07	00790	00001
409	10	01854	28314	10	01953	30114

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 15th August
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 ...	cbccy	bcy	bcybw	Kew 24 hours ended 9h. Max. Time
Croydon ...	mbc	bcy	b	
Greenwich ...	cy	cby	bcby	
Camden Square	bc	bc	*	10·1 wide
Kensington ...	bc	bc	*	Min. Time
Hampstead ...	bc	bc	orbc	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 ...	70	51	37	–	–	8·0	*	*
Croydon ...	71	49	43	–	–	8·7	*	*
Greenwich ...	73	49	39	–	–	7·7	42	52
Westminster ...	72	51	50	–			56	87
Regents Park ...								
Camden Square	71	50	45	–	–	*	*	65
Kensington ...	72	50	49	–	–		47	58
Hampstead ...	71	47	42	–	0·2		*	59

SECRET

Page 1

BRITISH SECTION

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

Monday 16th August 1943

No. 29852

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

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)	22.3	+10	WNW	3	c-bc	65	45	42	8	–	–	8	7-8	7-8	2500
	Croydon	22.9	+2	WSW	2	c	67	45	43	8	1	–	2	4-6	9	3000
	S. Farnborough	22.8	+6	W'S	3	c-bc	67	45	42	8	1	–	4	4-6	7-8	3000
	Boscombe Down	22.6	+4	WNW	3	bc	66	45	43	8	1	–	2	4-6	4-6	3500
	Thorney Island	22.8	+6	SW	3	c-bc	69	[illegible]	[illegible]	9	1	–	1	7-8	7-8	2800
	Lympne	23.0	+14	SW	4	c-bc	63	65	50	9	2	7	3	7-8	7-8	2000
	Manston	22.1	+10	WSW	2	c-bc	65	45	43	8	2	–	–	4-6	7-8	3000
2	Shoeburyness	22.0	+6	SW	3	c-bc	68	45	47	8	2	–	2	4-6	7-8	4000
	Felixstowe	21.2	+8	W'S	3	c	68	45	47	8	7	–	–	4-6	9	4000
	Gorleston	19.7	+3	W	4	bc	67	45	45	7	2	–	–	4-6	4-6	2500
	Mildenhall	21.0	+6	WSW	4	bc	67	45	46	8	4	–	1	4-6	4-6	4000
	Cranwell	20.2	+6	NW'W	4	c	63	55	45	8	2	3	6	7-8	9	3000
3	Birmingham	21.6	+2	WSW	4	c-bc	64	45	43	8	7	–	2	4-6	7-8	4000
	Upper Heyford	21.3	+4	W'N	4	c	67	35	41	9	4	–	6	4-6	9	4500
4	Ross-on-Wye	21.6	0	WSW	3	bc	66	45	43	9	1	–	2	4-6	4-6	3500
5	Hartland Point	23.7	+6	WNW	3	bc	61	75	52	9	1	4	5	2-3	4-6	3000
	Bristol	23.2	+14	W	3	c	66	45	45	8	1	–	2	2-3	9	4000
	Portland Bill	23.2	+10	WSW	3	bc	62	75	47	8	1	4	–	2-3	4-6	4000
	Plymouth	24.1	+4	SW'W	3	bc	63	75	55	9	1	–	8	2-3	4-6	2500
	The Lizard	24.4	+12	W	2	b-bc	63	75	54	8	1	–	–	2-3	2-3	3500
	Scilly (St. Mary's)	24.3	+10	SSW	2	c-bc	65	65	51	9	8	4	–	4-6	7-8	1800
	Guernsey															
6	Pembroke	23.8	+8	W	3	c-bc	60	75	51	9	7	3	3	4-6	7-8	3000
7	Holyhead (Valley)	22.0	+10	WSW	4	c	62	65	49	9	2	6	2	2-3	9	2500
	Chester (Sealand)	20.7	+6	NW'W	3	c	62	45	42	9	2	–	6	4-6	9+	3200
8	Manchester	20.7	+8	W'N	4	bc	62	55	46	8	2	6	3	4-6	4-6	3000
10	Spurn Head	19.3	+12	W	4	c	62	55	46	7	2	8	–	4-6	9	2500
	Catterick (Sc)	17.8	+6	W	4	c-bc	64	55	46	9	8	6	8	4-6	7-8	3000
	Tynemouth	17.5	+14	W	5	c-bc/pr	60	55	45	7	2	3	1	4-6	7-8	2400
11	St. Abbs Head	14.1	+4	W	4	c-bc/pr	56	65	46	8	2	4	–	4-6	7-8	2900
	Leuchars	14.1	+8	WSW	5	c	61	65	47	9	8	6	5	4-6	9+	2000
12	Renfrew (Abbots I.)	15.6	+10	W	4	c-bc	61	65	46	8	8	3	–	4-6	7-8	2000
	Eskdalemuir	15.9	+4	SW'W	4	c-bc	57	65	44	8	8	3	–	4-6	7-8	2100
	Point of Ayre	19.0	+8	W	4	bc	60	75	52	8	2	4	–	2-3	4-6	1800
13A	Tiree	15.6	+10	W	3	bc	59	75	50	9	2	6	–	4-6	4-6	2000
13B	Stornoway	11.5	+8	WNW	3	pr	55	75	47	8	8	6	–	4-6	7-8	2200
15	Dalwhinnie	13.5	+6	WSW	3	bc	56	65	43	8	8	–	1	4-6	4-6	2500
	Aberdeen	13.2	+8	N	1	pr	59	65	46	8	2	6	–	7-8	9+	4000
	Wick	11.3	+2	NW	1	pr	56	92	54	8	9	–	3	9	9+	2000
16	Sumburgh	10.7	+10	WSW	3	c	54	75	45	9	3	4	6	2-3	9	2500
17	Blacksod Point	20.1	+4	WSW	4	c	58	65	45	8	8	–	–	10	10	2500
18	Malin Head	16.8	+8	W'S	5	c/pr	57	85	52	8	3	–	–	9	9	2500
	Aldergrove	19.1	+10	SSW	2	c	58	75	49	9	8	7	–	7-8	9+	3000
19	Birr Castle	21.2	+2	W	2	c	61	65	48	8	8	2	–	7-8	10	1500
20	Valentia Obsy.	22.1	-2	S	4	c	60	75	52	9	7	7	–	7-8	9+	2500
	Roches Point	22.7	0	S'W	3	c	60	75	52	9	8	–	–	9+	9+	1500

OBSERVATIONS at 18h. G.M.T. 15th August — 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 (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	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)	Weather 7h.–13h. 15th (39)	13h.–18h. 15th (40)	18h. 15th to 1h. 16th (41)	1h.–7h. 16th (42)
London (Kew)	22.2	+2	WNW	3	c-bc	69	35	38	8	7	–	6	4-6	7-8	2500	0	*	bbccy	cy	cbcy	bccbcw
Croydon	23.0	+2	WSW	3	bc	67	45	43	9	4	4	2	1	4-6	5000	0	*	cy	cybcy	bcb	b
S. Farnborough	22.6	0	W'N	3	bc	68	45	47	9	1	–	2	1	4-6	4000	0	*	cy	cybcy	bcybcb	bbwcbm
Boscombe Down	22.6	+2	W	2	bc	65	55	50	8	1	3	6	2-3	4-6	4000	0	*	bbcbcy	bcycybcy	bcybcw	bwbbFbbc
Thorney Island	23.3	+2	SW'W	3	c-bc	69	92	62	9	1	–	6	1	7-8	4000	0	*	bwbcwc	c	bcb	bcwcwfgb
Lympne	23.2	+2	SW	4	c-bc	62	75	44	9	1	1	9	2-3	7-8	2500	4	4	bcycy	bcybyv	crbw	bwbc
Manston	22.1	+2	SW'W	3	bc	65	55	49	8	1	3	6	1	4-6	3000	0	*	bbcy	bccbcy	bcybc	bc
Shoeburyness	21.9	+2	WSW	2	c-bc	67	45	47	9	1	4	9	4-6	7-8	4000	0	*	bccy	cy	cy	bcw
Felixstowe	21.3	+2	WSW	3	c-bc	68	55	50	8	1	2	–	2-3	7-8	4000	0	3	bcycy	cy	bbcc	bcm
Gorleston	21.2	+8	W'N	2	c-bc	66	75	61	7	5	7	–	4-6	7-8	2500	0	2	bccbcy	bccy	bcc	c
Mildenhall	21.4	+2	WNW	2	c	66	55	47	8	5	4	8	Tr	9+	4000	0	*	bbcbcy	bcycy	bcybybcc	cbc
Cranwell	21.1	+4	NW'W	3	c	63	55	46	9	4	7	–	4-6	10	4000	0	*	bmbccy	cy	circm	cmc
Birmingham	22.0	+4	W	3	c	61	45	41	8	–	5	–	0	9	–	1	*	bbc	bcc	[illegible]	cbcc
Upper Heyford	21.6	+4	WSW	4	c	66	45	45	9	4	3	–	Tr	9	4000	0	*	bbcycy	cybcycy	cycbc	bc
Ross-on-Wye	22.2	+2	WSW	3	c	64	55	45	9	1	3	1	2-3	9+	3500	0	*	bccvy	cvbcvy	cv	bwbc
Hartland Point	23.3	0	W	3	bc	62	65	50	9	1	4	5	2-3	4-6	3000	0	3	bcv	bcv	bc	bcbbc
Bristol	23.3	-2	WNW	3	c	61	65	49	8	–	5	8	0	9	–	0	*	bbcwbccy	cvycy	cbcbbw	bwbcw
Portland Bill	23.2	-6	SW	4	c-bc	61	85	58	8	1	4	–	4-6	7-8	4000	1	4	bc	bcc	bcb	bcbc
Plymouth	23.6	-4	WSW	3	c-bc	61	75	54	9	1	6	2	2-3	7-8	3000	[illegible]	2	bcv	bcvcv	b	cbcwbc
The Lizard	24.1	-4	WSW	2	bc	62	75	53	8	1	6	–	2-3	4-6	3500	0	3	bc	bc	bcw	bcfmbcw
Scilly (St. Mary's)	23.7	-4	SSW	2	bc	62	75	53	8	1	4	3	2-3	4-6	1800	0	2	bbcc	cbc	bcbwbc	bcb
Guernsey																					
Pembroke	23.0	-8	SW'W	3	c-bc	59	75	51	8	2	6	–	4-6	7-8	3000	0	2	bcc	c	c	cmpr
Holyhead (Valley)	21.6	-2	NW'N	5	c	58	85	53	9	2	7	2	1	9	3000	1	3	bcc	bcc	rrc	cidcm
Chester (Sealand)	21.4	+6	W	1	c	61	55	42	8	1	7	9	Tr	9	5000	0	*	bccy	vy	cyir	c
Manchester	21.2	+4	W'N	3	c	58	65	45	8	4	4	2	1	9+	4000	0	*	cmpr	bccyc	cir	c
Spurn Head	20.7	+4	W'N	5	c	61	55	46	7	7	3	5	4-6	9+	2500	0	3	c	c	cidm	om
Catterick (Sc)	19.7	+14	WSW	2	c	57	75	49	8	5	7	–	7-8	9+	3000	0	*	bcccy	ccyvc	covr	circ
Tynemouth	18.8	+8	WSW	3	c-bc	58	75	48	7	8	–	–	7-8	7-8	2400	0	2	bccp	c	ccir	oir
St. Abbs Head	15.2	+6	W	4	c-bc	57	65	45	8	2	6	–	4-6	7-8	3000	0	3	bbcprc	c	c	crcrr
Leuchars	15.4	+10	WSW	5	c	59	65	47	9	4	3	2	4-6	10	3500	0	*	brcpry	cprbcy	c	bcwcw
Renfrew (Abbots I.)	17.0	+4	WSW	4	c/pr	55	75	49	8	8	7	–	4-6	9+	2000	1	*	bccprcprc	bccprprc	crcr	ccrcm
Eskdalemuir	17.6	+8	WSW	4	c	54	65	43	8	5	7	–	7-8	9	2500	0	*	cprt	cprc	crrm	crrm
Point of Ayre	19.7	0	W	4	c	59	75	52	8	5	4	7	1	10	4000	0	3	bbc	bcc	crr	Drr
Tiree	16.6	+2	W	3	c	55	85	50	9	7	7	–	7-8	9+	1500	1	2	ccprbc	c	ccprc	ccprc
Stornoway	12.9	+6	W	6	c-bc	54	75	45	8	8	6	5	4-6	7-8	7800	1	*	cbccpr	bccprbc	bccprc	cbcprbc
Dalwhinnie	14.5	+12	WSW	3	c	51	75	42	8	5	5	–	7-8	9+	2500	1	*	bcpr	bcprc	crrm	orrm
Aberdeen	13.8	+4	NNE	1	c	57	65	47	9	8	9	3	4-6	9	4000	1	1	bccprbc	cprbcc	czbc	bcbw
Wick	12.6	+2	–	0	pr	53	85	49	9	8	7	–	4-6	7-8	1500	1	*	ccpr	cprpr	bcbbc	cprcprcjp
Sumburgh	11.1	+2	SW'S	4	c/r	53	85	48	9	2	3	–	7-8	9+	2000	1	2	bccprc	cprcirc	bc	bcprprbc
Blacksod Point	19.3	-6	SSW	2	rr	53	85	43	7	6	2	–	2-3	10	1500	2	2	c	r	r	d
Malin Head	17.5	-2	W	4	c	55	85	50	8	3	–	–	9+	9+	2500	1	3	pr	pr	r	r
Aldergrove	15.6	+8	WSW	2	c	57	75	47	9	5	7	–	2-3	10	2500	1	*	bcaprc	c	crrrm	crrrdm
Birr Castle	20.2	-8	WNW	1	ir	58	85	53	7	6	2	–	7-8	10	800	0	*	c	r	*	c
Valentia Obsy.	19.6	-16	S	5	ir	59	85	54	8	5	2	–	9	10	1500	1	4	r	v	r	r
Roches Point	21.4	-8	SSW	3	bc	60	85	55	8	5	3	1	1	4-6	2500	1	3	c	bc	d	d

FORECASTS FOR THE 24 HOURS COMMENCING, 12 NOON, G.M.T. Monday, 16th August

Districts	Forecast
1 S.E. England	Light or moderate west or southwest wind; fine; warm.
2 E. England; 3 E. Midlands; 4 W. Midlands	Moderate west wind becoming light variable; fair at first, local rain later; rather warm becoming cooler.
5 S.W. England	As 1.
6 South Wales; 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	Light variable winds becoming north or northeast; dull and rainy at first, fair later apart from scattered showers; cool.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate northwest to north winds; scattered showers, bright intervals; cool
16 Orkneys and Shetlands	As 13A-15.
17 N. W. Ireland; 18 N. E. Ireland	As 8-12
19 S. E. Ireland; 20 S. W. Ireland	As 2-4

GENERAL INFERENCE

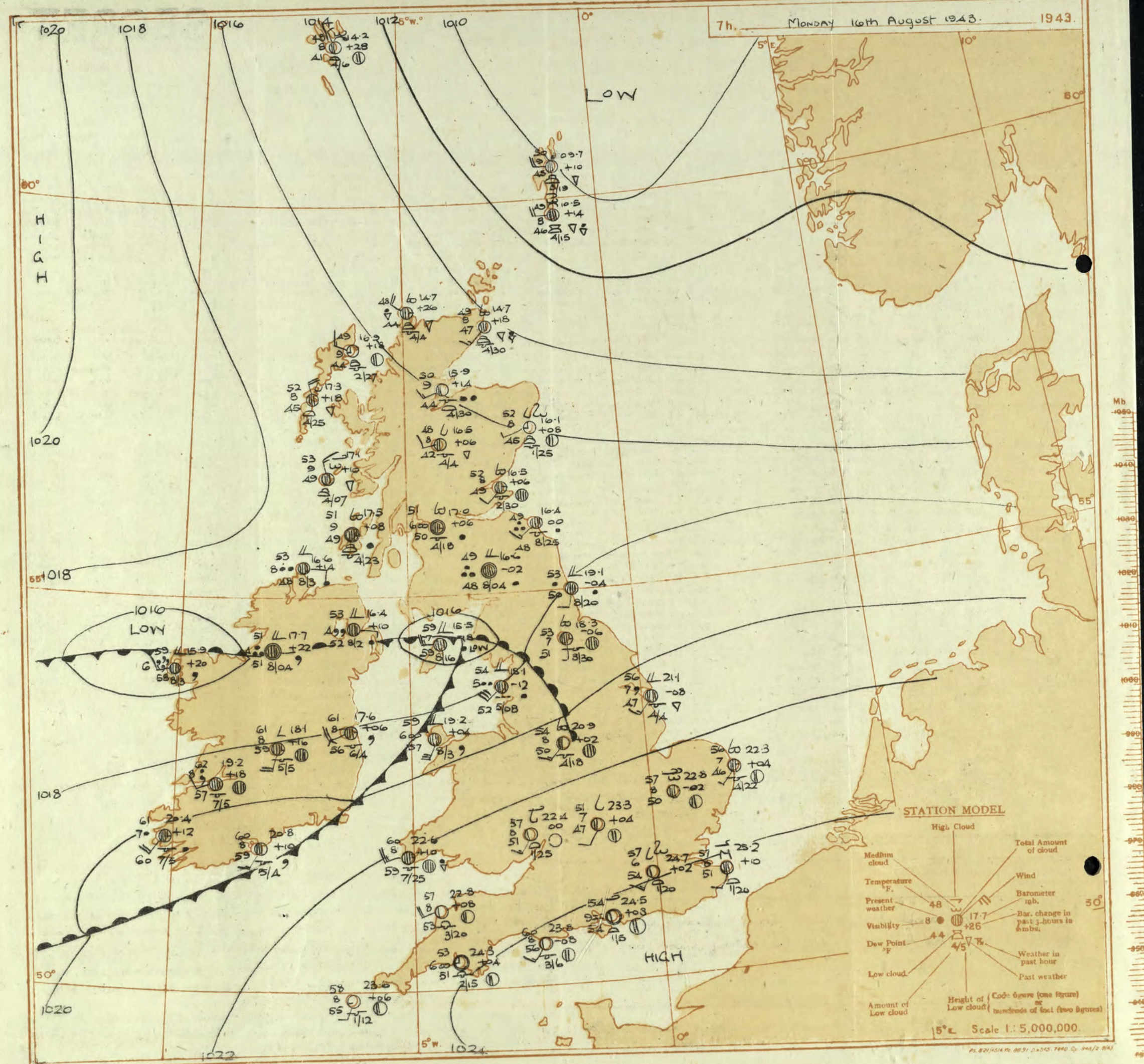
Pressure is high to northwest and southeast and low to northeast and southwest of the British Isles. A shallow trough of low pressure over Northern England and Northern Ireland will move slowly south. Weather will continue fine and warm in Southern England. A belt of rain associated with the shallow trough will move slowly southwards across other districts of England and Wales. In the North it will be cool with scattered showers.

FURTHER OUTLOOK

Fair over a large part of the country but probably some rain in central districts; cool in north probably continuing warm in South.

Forecasts issued at 1030

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clean 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 16th August 1943

No 23852

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

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	230	24.8	+4	SW	3	b-bc	55	85	51	8	-	-	5	0	2-3	-
	S. Farnborough	226	14.5	+2	WN	1	b	54	85	51	8	-	-	2	0	1	-
	Boscombe Down	417	24.5	+2	-	0	b-bc	50	92	47	7	-	-	6	0	2-3	-
	Thorney Island	10	24.2	-2	-	0	b	51	97	51	9	-	-	1	0	Tr	-
	Lympne	283	24.9	+2	WNW	1	b-bc	52	97	51	7	-	-	1	0	2-3	-
	Manston	154	23.8	+2	SWW	2	c-bc	53	92	51	8	-	-	6	0	7-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	23.0	+6	SWW	2	c-bc	60	65	48	6	-	3	-	0	7-8	-
	Gorleston	5	22.2	+2	WNW	2	c	57	65	44	7	5	-	-	9+	9+	2500
	Mildenhall	15	23.0	+2	W'S	1	c	54	75	46	8	5	-	-	9	9	5700
	Cranwell	203	22.2	0	WSW	1	ir	53	75	47	6	-	7	-	0	10	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	23.5	+2	SW'S	2	bc	52	85	46	8	-	4	1	0	4-6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	23.6	-2	SW	3	b-bc	56	92	53	8	2	2	-	1	2-3	2500
	Bristol	209	24.2	-2	SW	1	b-bc	50	92	48	8	-	-	2	0	2-3	-
	Portland Bill	32	23.8	0	SW	4	b	60	85	56	8	-	-	-	0	0	-
	Plymouth	86	24.9	+2	-	0	b	50	97	50	7	-	4	2	0	(1)	-
	The Lizard	240	24.7	0	-	0	b-bc	55	97	54	8	7	-	-	2-3	2-3	3000
	Scilly (St. Mary's)	163	24.0	-6	SSW	2	b-bc	56	92	54	8	5	3	-	2-3	2-3	1500
	Guernsey	175															
6	Pembroke	142	22.4	-4	SWW	5	c-bc	59	85	54	8	8	-	-	4-6	7-8	3000
7	Holyhead (Valley)	32	20.3	-12	SW'S	5	c	58	85	51	8	5	2	-	2-3	10	2500
	Chester (Sealand)	16	21.5	-6	SW'S	1	c	56	75	49	8	5	2	-	4-6	10	3000
8	Manchester	230	21.4	-6	S'W	3	id	55	85	48	8	5	7	-	7-8	10	2000
10	Spurn Head	29	22.0	+4	W'S	3	id	56	65	46	6	5	2	-	4-6	10	2500
	Catterick (Sc)	192	19.7	-2	WSW	4	c/r	55	85	49	8	-	7	-	0	10	-
	Tynemouth	108	19.4	0	W'S	3	ir	55	85	50	7	-	2	-	10	10	1500
11	St. Abbs Head	280	16.8	+4	SW	3	c	51	85	47	7	5	-	-	9+	9+	4000
	Leuchars	36	16.6	+2	SW	3	c	51	85	47	8	5	7	-	4-6	9	7000
12	Renfrew (Abbots I.)	19	17.3	-2	SW	4	ir	53	85	48	7	6	2	-	7-8	10	1500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	19.2	-8	W	2	rr	52	97	51	8	-	2	-	10	10	2500
13A	Tiree	44	16.6	-2	WSW	2	c	51	97	50	8	8	3	-	4-6	9+	2500
13B	Stornoway	12	14.3	-2	W	4	c/pr	49	85	45	8	8	-	-	9+	9+	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	15.3	-2	WSW	3	c-bc	49	85	44	9	4	3	-	4-6	7-8	2700
	Wick	114	13.1	-2	SW'W	3	b-bc	46	92	44	9	-	7	-	0	2-3	-
16	Sumburgh	19	09.9	-2	SW	5	bc	52	85	48	8	8	-	-	4-6	4-6	2000
17	Blacksod Point	18	13.8	+22	SSW	5	Dr	59	97	58	6	6	2	-	4-6	10	800
18	Malin Head	84	16.4	-10	SSW	2	rr	50	92	48	8	5	-	-	9+	9+	2500
	Aldergrove	268	18.1	-16	S	1	rr	49	97	49	6	6	2	-	10	10	800
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18.8	-6	SSW	4	dd	60	97	59	6	5	-	-	10	10	450
	Roches Point	22	20.3	-8	SSW	4	dd	58	97	57	5	5	-	-	10	10	450

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

Stations	Barom. at M.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)	23.6	+6	-	0	bc	57	85	53	8	5	-	4	2-3	4-6	2500	0	*
Croydon	24.7	+2	SW	3	b-bc	57	92	54	6	1	4	9	Tr	2-3	2000	0	*
S. Farnborough	24.0	+2	SW	2	z	55	92	53	5	9	4	-	0	Tr	-	0	*
Boscombe Down	24.0	+2	S'W	2	b-bc	53	97	52	7	-	-	6	0	2-3	-	0	*
Thorney Island	24.5	+8	-	0	fg	54	97	54	9	1	-	1	Tr	2-3	2500	0	*
Lympne	24.9	+4	WSW	1	bc	60	85	55	8	5	-	2	Tr	4-6	1500	0	§ *
Manston	25.2	+10	SW	2	c-bc	67	85	61	8	1	8	8	Tr	7-8	2000	0	*
Shoeburyness	24.1	+4	WSW	1	bc	59	85	54	7	-	4	5	0	4-6	-	0	*
Felixstowe	23.8	+6	SW	3	z	57	85	51	6	-	5	6	0	4-6	.	0	3
Gorleston	22.3	+4	SW	1	c	56	75	46	7	5	7	-	4-6	9	2200	0	2
Mildenhall	22.8	-2	SSW	3	c-bc	57	75	50	8	-	3	2	0	7-8	-	0	*
Cranwell	20.6	-6	SW	4	c	57	75	50	8	5	7	-	4-6	9	4000	0	*
Birmingham	22.2	+2	SSW	4	c-bc	54	85	49	8	5	3	2	2-3	7-8	1500	1	*
Upper Heyford	23.3	+4	SSW	2	bc	51	85	47	7	-	4	2	0	4-6	-	0	*
Ross-on-Wye	22.4	0	SW	3	b-bc	57	85	51	8	1	4	1	Tr	2-3	2500	0	*
Hartland Point	22.8	+8	WSW	4	b-bc	57	85	53	8	4	-	-	2-3	2-3	2000	0	3
Bristol	23.8	+2	SSW	2	bc	56	85	51	8	-	-	9	0	4-6	-	0	*
Portland Bill	23.8	-8	SW	3	b-bc	60	85	56	8	5	-	-	2-3	2-3	4000	1	3
Plymouth	24.3	+4	-	0	z	53	92	51	6	4	-		1	1	5500	0	1
The Lizard	23.9	+6	S	2	b-bc	57	92	55	8	4	-	-	2-3	2-3	3500	1	3
Scilly (St. Mary's)	23.6	+6	SSW	2	b	58	92	55	8	5	-	-	Tr	Tr	1200	0	2
Guernsey																	
Pembroke	22.6	+10	WSW	5	c/pr	60	97	59	8	5	-	-	9+	9+	2500	0	4
Holyhead (Valley)	19.2	+4	SW'S	6	z	59	92	57	6	-	2	-	10	10	600	1	4
Chester (Sealand)	19.2	-6	SSW	2	c	60	75	52	8	5	7	5	4-6	9	2000	0	*
Manchester	19.4	-2	SSW	4	c	56	85	50	8	5	7	-	7-8	9	2500	0	*
Spurn Head	21.1	-8	SW'S	3	id	56	75	47	7	5	2	-	4-6	10	1500		3
Catterick (Sc)	18.3	-6	S	1	c	53	92	51	7	5	7	-	2-3	9+	3000	1	*
Tynemouth	19.1	-4	SSW	2	ir	53	92	50	5	-	2	-	10	10	2000	1	2
St. Abbs Head	16.4	0	SW	3	rr	49	97	48	7	5	-	-	10	10	2500	1	3
Leuchars	16.5	+6	SW	2	c	52	92	49	8	5	7	-	1	9	3000	0	*
Renfrew (Abbots I.)	17.0	+6	-	0	z	51	92	50	6	5	7	-	4-6	9+	1800	1	*
Eskdalemuir	16.6	-2	-	0	rr	49	97	48	6	-	2	-	10	10	400	1	*
Point of Ayre	15.5	-18	W	5	rr	59	97	59	7	-	2	-	10	10	1600	1	4
Tiree	17.1	+10	N'W	3	c-bc	53	85	49	9	8	3	1	4-6	7-8	2000	1	2
Stornoway	16.9	+18	WNW	3	b	49	85	44	9	8	-	-	1	1	2700	1	2
Dalwhinnie		+6	WSW	2	bc	48	85	42	8	5	4	-	4-6	4-6	1500	1	*
Aberdeen †	16.1	+8	WSW	1	b	52	75	45	8	8	4	9	Tr	1	2500	1	1
Wick	14.7	+18	SW	3	c-bc pr	49	92	47	8	8	7	-	4-6	7-8	3000	1	*
Sumburgh	10.5	+14	W'N	4	c-bc pr	49	85	46	8	3	6	3	4-6	7-8	1500	1	2
Blacksod Point	15.9	+20	WSW	3	DD	59	97	58	6	-	2	-	10	10	800	2	3
Malin Head	16.6	+14	E'S	2	rr	53	85	48	8	-	2	-	10	10	8000	2	2
Aldergrove	16.4	+10	ESE	1	dd	53	97	52	4	-	2	-	10	10	450	1	*
Birr Castle	18.1	+16	SSW	4	c	61	92	59	8	5	1	-	7-8	9+	2500	0	*
Valentia Obsy.	20.4	+12	SW	4	ir	61	97	60	7	5	-	-	9+	9+	2500	1	4
Roches Point	20.8	+10	SW	3	c-bc	60	97	59	8	5	-	-	7-8	7-8	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 15th Hrs. (38)
London (Kew)	69	52	37	-	-	11.9
Croydon	70	50	46	-	-	13.5
S. Farnborough	71	50	36	-	Tr	13.0
Boscombe Down	68	45	35	-	-	12.1
Thorney Island	71	44	41	-	-	*
Lympne	66	48	39	-	-	12.2
Manston	69	51	48	-	-	11.9
Shoeburyness	70	53	45	-	-	13.1
Felixstowe	70	55	50	-	Tr	10.[illegible]
Gorleston	67	54	46	-	-	8.5
Mildenhall	70	53	46	-	-	9.5
Cranwell	66	51	46	-	Tr	7.5
Birmingham	66	51	43	-	-	10.2
Upper Heyford	70	47	42	-	-	*
Ross-on-Wye	69	51	43	-	-	10.7
Hartland Point	63	54	52	-	-	12.4
Bristol	66	50	38	-	-	12.2
Portland Bill	62	57	*	-	-	*
Plymouth	63	47	40	-	-	12.6
The Lizard	64	54	*	-	-	12.4
Scilly (St. Mary's)	66	55	*	-	-	11.4
Guernsey						
Pembroke	62	57	*	-	Tr	8.6
Holyhead (Valley)	62	55	54	-	2	*
Chester (Sealand)	65	55	52	-	Tr	4.9
Manchester	63	54	46	-	0.1	*
Spurn Head	63	54	48	-	Tr	7.5
Catterick (Sc)	65	53	53	-	0.5	7.3
Tynemouth	62	53		Tr	2	*
St. Abbs Head	58	49	*	0.2	1	*
Leuchars	68	50	45	0.4	-	10.3
Renfrew (Abbots I.)	61	50	48	1	2	6.3
Eskdalemuir	60	47	47	1	5	7.3
Point of Ayre	63	52	*	Tr	11	5.9
Tiree	60	49	45	0.5	2	7.1
Stornoway	59	44	27	0.2	1	8.1
Dalwhinnie	56	45	41	0.5	1	4.5
Aberdeen †	61	47	42	2	-	6.9
Wick	58	44	39	1	0.3	*
Sumburgh	56	49	45	Tr	3	5.8
Blacksod Point	59	51	*	2	21	*
Malin Head	58	49		1	4	5.3
Aldergrove	62	48	*	0.4	14	4.7
Birr Castle	62	5	52	0.6	0.3	1.8
Valentia Obsy.	63	58	57	Tr	3	1.5
Roches Point	62	58		-	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 15th August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 16th August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	87	25264	21386	83	02854	22426	53	02755	22586	83	25855	26585
115	84	81944	22386				87	01844	57586	87	81944	28486
203	8-	10945	20425							84	01943	24424
206	33	02955	24487	36	25964	22486	53	01954	20114	70	22964	22364
210	86	10964	24324	26	10964	22415						
219	86	01954	24584	83	02853	23526	26	01854	23514	14	01854	30485
280	86	82965	55487	86	10956	22387	8-	81858	22128	84	25966	24187
245	20	25954	22284	56	02952	22327	57	02965	23227	57	01961	22224
260	46	01763	53314	50	02765	53427						
278	83	02954	22485	89	25954	23187				52	62632	08168
279	86	81955	22486	87	25864	22388	52	64745	24388	62	54537	05468
285										5-	58628	18368
288	2-	02854	20415	56	02854	21425	07	62890	18368	02	61690	16468
575	27	02844	22427	52	62754	22368	62	64524	00068	02	64428	00058
301	26	02853	24516	13	02853	22525	52	61865	20468	62	62535	20668
321	86	02755	24426	47	02762	25428	52	22664	24168	57	05665	16227
290	24	02754	22415	40	02755	22314	52	62648	22268	5-	62648	22268
292				77	02974	22428	52	62663	20168	52	05665	14268
310										--	01635	20415
614	2-	02865	22316	57	05654	30227	57	05663	22127	07	05690	22425

III	13h. G.M.T. 15th August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 16th August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
388	26	02964	20326	27	81862	18327	52	02754	22228	52	52627	20458
334												
340	8-	02964	21615	73	02954	23327	57	02963	16326	57	02954	16326
136	86	02864	21615	47	02971	22418	07	22890	22168	07	02790	20327
336										57	02754	20417
850	10	01854	26214	45	02853	22215	07	02890	18125	03	02890	18315
368	83	02954	24215	13	01961	22414	40	01853	00013	07	02890	20226
370	10	02854	26426	13	02861	22327	07	01890	20913	07	02890	20326
390	20	02864	22325	14	02854	22127	07	01790	20123	00	05590	18225
382	1-	02964	27325	03	01990	24324	04	01790	23114	04	02890	18115
438							04	01790	22311			
430	10	01854	22224	10	01952	22314	00	00890	00012	12	05661	00002
409	10	01953	23314	14	01961	25214	00	01990	17201	50	01942	16303

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 16th August
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	cbcybw
Croydon	cy	cybcy	bcbc
Greenwich	cy	cby	bcby
Camden Square	bc	bc	*
Kensington	bc	bc	*
Hampstead	bc	bc	o/bc

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

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	69	52	37	-	-	11.9	*	*
Croydon	70	50	46	-	-	13.5	*	*
Greenwich	73	49	39	-	-	7.7	42	
Westminster								
Regents Park	70	51	46	-	-	/	48	47
Camden Square	71	50	45	-	-	*	65	
Kensington	72	50	49	-	-		47	58
Hampstead	71	47	42	-	0.2		*	59

Page 1 BRITISH SECTION

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

SECRET

Tuesday 17th August 1943

No. 29853

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	23·2	-6	SW'S	2	b	72	35	41	8	-	-	5	0	Tr	-
	Croydon	23·7	-10	SSW	2	b	75	45	49	9	-	-	5	0	Tr	-
	S. Farnborough	23·4	0	W	4	b	75	35	47	8	-	-	-	0	0	-
	Boscombe Down	23·3	-10	WSW	3	b	74	35	48	9	-	-	-	0	0	-
	Thorney Island	24·3	-4	SW'W	3	b	73	55	54	9	-	-	-	0	0	-
	Lympne	24·4	-4	SW	4	b	69	65	56	9	-	-	1	0	1	-
	Manston	22·3	-10	WSW	4	b	74	45	53	9	-	-	1	0	1	-
2	Shoeburyness	23·1	-16	SW	2	b-bc	77	45	53	8	-	4	-	0	2-3	-
	Felixstowe	22·4	-10	SW'S	4	b	71	55	53	8	-	-	1	0	1	-
	Gorleston	20·9	-12	SW'W	4	c-bc	76	35	48	7	-	4	2	0	7-8	-
	Mildenhall	21·4	-12	W'S	5	b-bc	78	45	53	8	1	4	2	1	2-3	4000
	Cranwell	20·4	-2	SW'W	5	bc	74	56	46	8	5	3	-	4-6	4-6	3500
3	Birmingham	22·3	+4	WSW	4	c	66	75	58	8	5	-	-	9	9	2500
	Upper Heyford	22·1	-4	W	3	b-bc	75	55	55	8	5	-	-	2-3	2-3	4500
4	Ross-on-Wye	23·0	0	SW	3	c-bc	69	65	58	7	5	-	-	7-8	7-8	300
5	Hartland Point	24·1	0	W	3	b-bc	63	85	57	8	2	-	-	2-3	2-3	2500
	Bristol	24·4	0	WNW	3	bc	71	55	55	8	5	-	-	4-6	4-6	3800
	Portland Bill	24·5	0	SW	3	bc	65	75	56	8	1	-	-	4-6	4-6	4000
	Plymouth	24·8	0	SSW	2	b	66	75	67	9	1	-	-	Tr	Tr	2500
	The Lizard	24·5	0	SE	3	b	68	75	60	8	1	-	-	1	1	4000
	Scilly (St. Mary's)	23·5	-4	NE	2	b	72	65	57	8	5	-	3	Tr	1	1800
	Guernsey															
6	Pembroke	23·7	+2	SW'W	3	c	62	97	62	8	5	1	-	9+	10	2500
7	Holyhead (Valley)	21·6	+12	SW'W	5	c	62	85	59	8	5	7	-	7-8	9+	1500
	Chester (Sealand)	20·7	+14	WSW	4	c	70	65	58	8	5	7	1	4-6	9	2500
8	Manchester	20·7	+10	W	4	c	67	75	58	8	5	-	-	9+	9+	2000
10	Spurn Head	20·1	0	WSW	5	c	68	75	58	7	5	3	-	4-6	9	2000
	Catterick (Sc)	19·0	+10	N	3	ir_0	59	85	57	5	5	7	-	7-8	10	1500
	Tynemouth	20·2	+14	N	3	z_0	55	97	54	6	-	2	-	9+	9+	2000
11	St. Abbs Head	18·3	+12	NW	1	c-bc	58	75	50	6	2	4	-	4-6	7-8	4000
	Leuchars	18·7	+14	WNW	3	c-bc	63	45	43	9	7	7	8	4-6	7-8	3000
12	Renfrew (Abbots I.)	19·7	+16	WNW	1	c	62	65	50	8	1	7	-	2-3	9+	2000
	Eskdalemuir	19·1	+18	NE'N	1	c	57	75	48	8	5	4	-	7-8	9+	1800
	Point of Ayre	20·0	+22	E'N	1	d_0d_0	67	97	57	6	-	2	-	10	10	1500
13A	Tiree	21·2	+20	N	2	c	57	75	48	9	1	-	8	1	9	2000
13B	Stornoway	21·0	+26	N	3	c	55	65	42	9	8	6	5	7-8	9	2200
15	Dalwhinnie	20·2	+16	NW	2	c	57	56	39	8	8	3	-	4-6	9	2500
	Aberdeen	19·0	+16	NW	4	bc	60	55	42	9	1	4	-	4-6	4-6	4500
	Wick	19·1	+24	NW	3	bc	56	75	48	9	2	4	-	4-6	4-6	1500
16	Sumburgh	16·5	+36	NW	4	c	53	65	42	8	8	-	9	9	9	2500
17	Blacksod Point	18·8	+14	SW	3	c/d	68	92	61	7	5	-	-	9+	10	1500
18	Malin Head	20·2	+18	NE'E	1	ir_0	56	85	51	8	5	2	-	2-3	10	1500
	Aldergrove	20·4	+4	NE	1	id_0	57	92	55	6	5	-	-	10	10	1000
19	Birr Castle	20·4	+3	SW	3	c	67	75	59	8	8	1	-	7-8	9+	1500
20	Valentia Obsy.	21·5	+6	SW	3	c	66	92	64	7	2	-	-	9	9	1500
	Roches Point	22·4	+10	WSW	3	c/pr	62	92	60	8	8	-	-	9+	9+	1500

OBSERVATIONS at 18h. G.M.T. 16th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. (21)	Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 16th (39)	Weather 13h.–18h. 16th (40)	Weather 18h/16th to 1h. 17th (41)	Weather 1h.–7h. 17th (42)
London (Kew)	22·6	0	WNW	2	b	77	45	55	8	-	-	1	0	Tr	-	0	•	bbcby	by	byw	$bbcm_0w$
Croydon	22·6	-6	WSW	2	b	77	45	54	9	-	-	-	0	0	-	0	•	by	by	$bgbm_0$	$bmwbcm_0$
S. Farnborough	22·8	-2	WNW	2	b	78	45	55	9	-	-	1	0	Tr	-	0	•	bm_0bby	by	byb	bbm_0wcm_0
Boscombe Down	22·8	-4	NW'W	1	b	75	45	54	8	-	-	4	0	Tr	-	0	•	bcbcyby	by	byb	bbcc
Thorney Island	23·3	-6	S'W	3	b	67	75	58	9	-	-	1	0	Tr	-	0	•	bfg.wby	byb	bbw	bcw
Lympne	23·6	0	WSW	3	b	67	65	59	9	-	-	-	0	0	-	0	§3	bcv	bvy	bm_0bz	bwb
Manston	22·6	-4	SW'W	2	b	75	45	51	8	-	-	-	0	0	-	0	•	bcyc	byv	bryb	b
Shoeburyness	22·4	-8	WSW	2	b	76	45	55	8	-	-	-	0	0	-	0	•	bcwbcy	bcyby	by	$bcwm_0$
Felixstowe	21·5	-2	W	4	b	78	45	56	8	-	3	-	0	1	-	0	3	bbcyby	by	b	bcc
Gorleston	20·9	+4	NW'W	3	bc	77	55	58	7	1	-	-	4-6	4-6	3000	0	2	bc	bcy	bcycz	cz_0c
Mildenhall	22·3	+10	NW'W	3	bc	75	55	59	8	4	-	-	4-6	4-6	4000	0	•	cbcbcy	bcybcyby	$bcbbm_0$	bm_0bfcm_0
Cranwell	21·9	+14	NW	3	c	71	65	58	8	5	-	-	9+	9+	2500	0	•	cy	bccyc	cm_0	cm_0
Birmingham	22·6	+4	W	3	bc	71	55	56	8	5	-	-	4-6	4-6	4000	0	•	cbcc	cbc	c	cbcz
Upper Heyford	22·3	0	WNW	2	bc	71	65	56	7	5	-	-	4-6	4-6	4500	0	•	cbcy	bybcy	bcb	bcm
Ross-on-Wye	22·7	-4	W'S	2	c	69	75	59	8	5	-	-	9	9	3000	0	•	bcc	cbcc	cbcb	bmwbc
Hartland Point	22·8	-14	NE	3	b-bc	62	85	59	8	4	6	3	2-3	2-3	2500	0	3	bccbc	bc	bcbbc	bc
Bristol	23·4	-4	NNW	1	b	70	65	58	8	4	-	5	Tr	Tr	4000	0	•	bcwbcbb	bcybyb	bbm_0w	$bm_0wbcfwbc$
Portland Bill	22·8	-6	S	3	b-bc	63	85	60	8	1	-	-	2-3	2-3	4000	1	3	bcbc	bc	bcc	cc
Plymouth	22·7	-12	SSW	2	b	65	75	57	9	-	-	4	0	1	-	0	1	bm_0bv	bbyb	bbm_0c	bc
The Lizard	22·4	-4	NE	3	b-bc	63	85	59	8	7	3	-	1	2-3	4000	0	3	bbc	bc	bcw	bcc
Scilly (St. Mary's)	22·3	-4	NE'E	2	b-bc	65	85	59	8	1	4	4	Tr	2-3	1800	0	2	bbcb	bc	bcwb	bbcc
Guernsey																					
Pembroke	23·7	0	SW	1	c	61	97	60	8	7	-	-	9	9	2000	0	2	c	bbc	bcw	cw
Holyhead (Valley)	22·3	+2	SSW	4	c	61	92	59	8	5	3	-	1	9	500	1	3	cm_0c	c	cm_0c	bcfwbc
Chester (Sealand)	22·0	+2	W'N	2	c	67	75	58	9	5	-	-	9+	9+	4000	0	•	cbcyb	c	c	cm_0
Manchester	22·3	+10	W	2	c/r	65	85	59	8	5	2	-	7-8	10	2000	0	•	c	cir_0	cm_0	cm_0
Spurn Head	22·4	+16	N'W	5	c	57	92	55	7	7	-	-	9+	9+	1500	0	3	c	c	c	c
Catterick (Sc)	23·0	+20	N	1	c/d	56	97	55	5	5	2	-	4-6	10	1200	1	•	cir_0m_0	$cd_0d_0fcm_0$	cm_0cidm_0	$cid_0m_0cm_0$
Tynemouth	24·3	+10	E	1	c-bc	56	85	52	8	-	3	-	0	7-8	+	1	2	$br_0r_0cm_0$	b	c	com_0
St. Abbs Head	21·8	+12	E	2	c-bc	59	75	51	7	5	4	-	4-6	7-8	4000	0	2	crrcbc	bbc	$bccr_0c$	c
Leuchars	22·0	+28	ESE	4	c-bc	59	75	51	8	4	3	-	2-3	7-8	5000	0	•	cbc	bcybc	$bccir_0c$	c
Renfrew (Abbots I.)	21·5	+6	SW	2	c	60	75	53	8	-	7	-	0	10	-	1	•	c	ccyc	$cir_0r_0m_0$	cid_0m_0c
Eskdalemuir	21·5	+18	-	0	c	59	75	52	8	8	7	-	4-6	9	2100	0	•	$crr_0d_0m_0c$	c	c	cod_0
Point of Ayre	21·5	+12	-	0	c	59	92	56	7	5	7	-	1	10	1000	1	1	$r_0d_0d_0$	d_0d_0c	d_0d_0c	c
Tiree	22·1	+2	NE	3	c	56	85	50	9	5	7	6	2-3	9+	6500	1	2	cbcc.	c	cr_0r_0c	$ccr_0cd_0d_0$
Stornoway	23·9	+14	NE	2	c	53	65	43	9	5	3	-	7-8	9	2500	0	1	bcc	c	cbcc	c
Dalwhinnie		+14	NW	1	bc	56	55	40	8	7	3	-	1	4-6	2500	0	-	bcc	cbc		$bcoir_0$
Aberdeen	22·8	+22	NNW	2	b-bc	57	55	42	9	1	-	9	Tr	2-3	4000	0	1	bcxbbcy	bcyby	bbcc	c
Wick	22·8	+12	NNW	2	b-bc	55	75	47	9	1	4	9	1	2-3	3500	0	•	cpr_0bc	bc	bbc•	c
Sumburgh	21·0	+22	NW	3	bc	53	75	44	9	8	6	-	2-3	4-6	2000	0	2	cpr_0c	cbc	cpr_0c	c
Blacksod Point	19·8	+2	SW'S	1	c	62	85	58	7	5	-	-	9+	9+	1500	1	2	d	c	d	d
Malin Head	21·2	+6	E	3	c	56	85	52	8	5	-	-	10	10	1500	1	2	r	r	r	r
Aldergrove	21·6	+6	ENE	1	c	58	85	52	7	5	2	-	9+	10	1500	1	•	$d_0m_0id_0$	cid_0m_0c	ccm_0	cm_0ccm_0
Birr Castle	20·9	+2	SW	2	c	66	75	58	8	8	2	-	7-8	9+	1500	0	•	c	c	•	bc
Valentia Obsy.	21·4	-2	S'E	3	id_0	63	92	61	7	5	-	-	9+	9+	800	1	2	r	r	d	bf
Roches Point	22·2	0	SW	3	c	62	97	62	7	5	-	-	9+	9+	800	1	3	pr.	f	f	f

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

Districts	Forecast
1 S.E. England	As 3-7
2 E. England	As 8-10
3 E. Midlands, 4 W. Midlands, 5 S.W. England, 6 South Wales, 7 North Wales	Moderate or fresh east to southeast winds, strong locally, veering south and moderating. Fine at first; local rain and scattered thunderstorms spreading northeast across area, followed by general low cloud and coast fog. Warm becoming cooler.
8 N.W. England, 9 N. Midlands, 10 N.E. England	Moderate or fresh east to southeast winds. Fine apart from patches of low cloud near coasts around dawn. Rather warm
11 S.E. Scotland, 12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Moderate easterly winds; cloudy with local slight rain, becoming fine in south and west. Rather warm.
16 Orkneys and Shetlands, 17 N. W. Ireland, 18 N. E. Ireland	As 11- 15
19 S. E. Ireland, 20 S. W. Ireland	Fresh or strong easterly winds veering south and moderating. Cloudy with occasional thundery rain. Rather warm, becoming cooler.

GENERAL INFERENCE

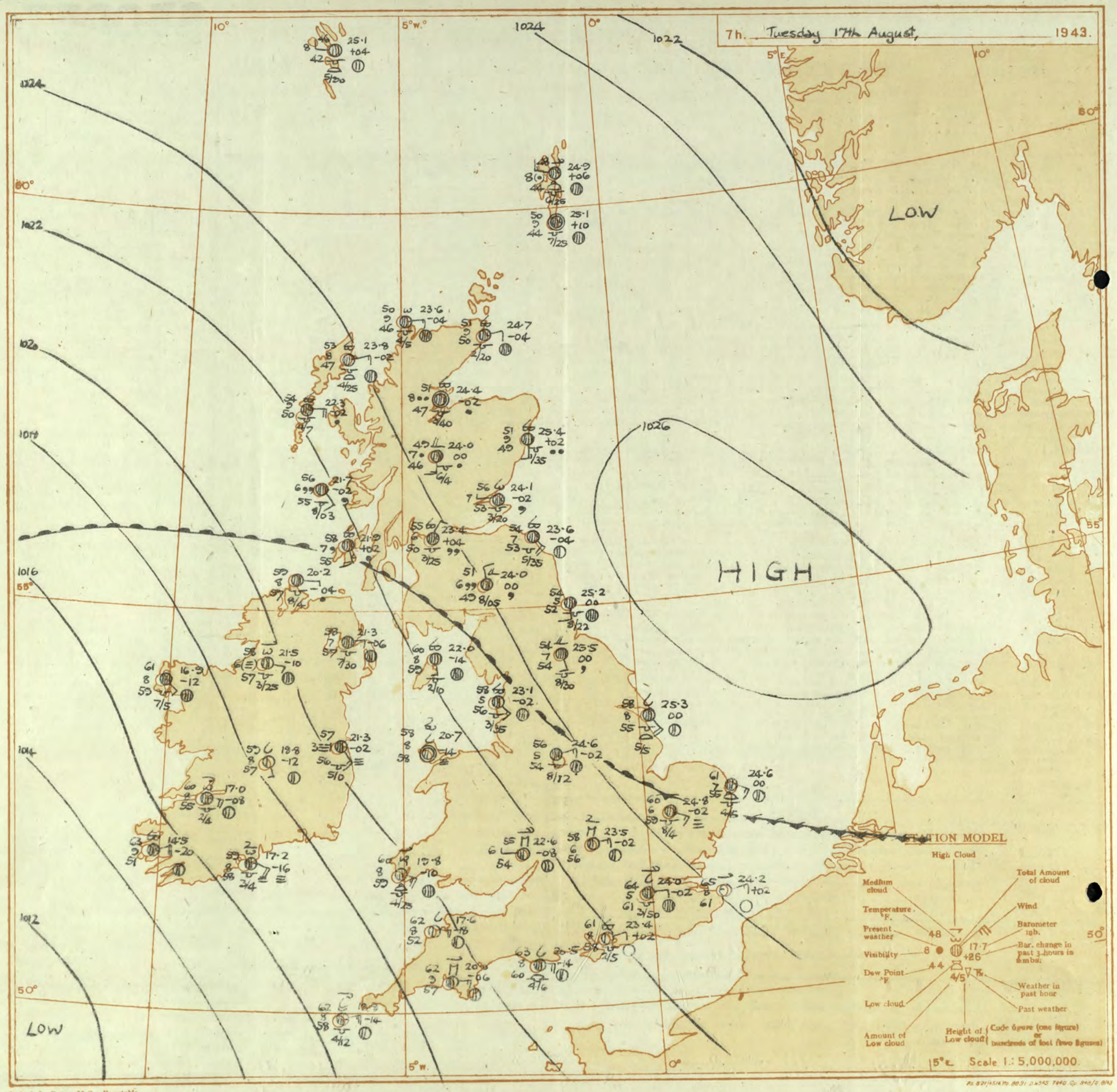
Pressure is high over the North sea and a depression southwest of the British Isles is moving northeast. Weather will be fine and warm at first in the South followed by local thundery rain and scattered thunderstorms. There will be local slight rain in the North

FURTHER OUTLOOK

Generally cloudy with local thundery rain and showers. Cooler.

Forecasts issued at 1030

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

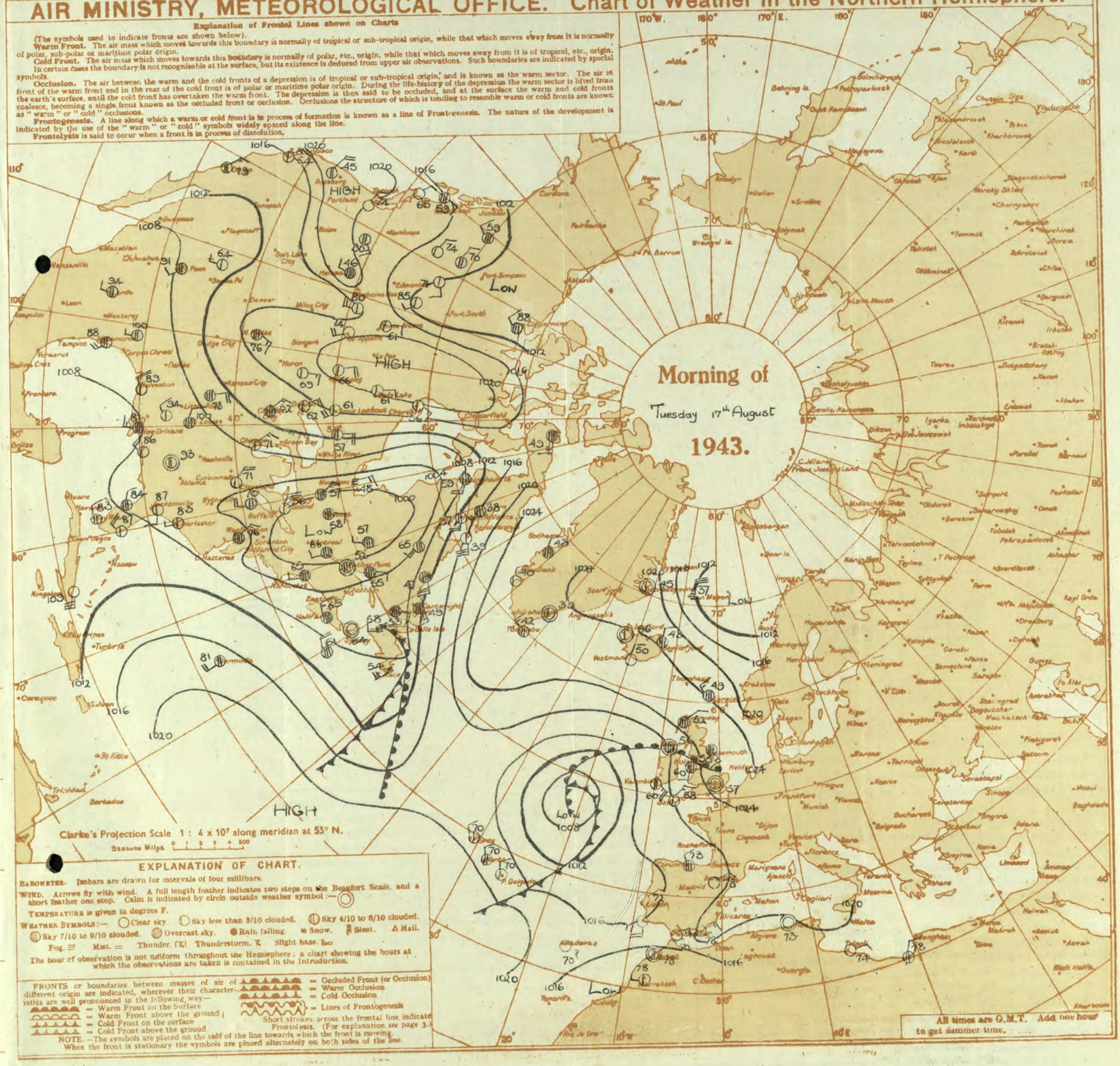
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Tuesday 17th August 1943
No. 29853

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

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	*	*	*	*	*	60	*	*	*	*	*	*	*	*	*
	Croydon	290	24·6	+6	-	0	b	57	92	55	6	-	-	-	0	0	-
	S. Farnborough	226	24·4	-2	-	0	b	56	85	53	8	-	-	-	0	0	-
	Boscombe Down	417	23·8	+2	-	0	b	59	85	54	8	-	-	6	0	1	-
	Thorney Island	10	23·6	0	-	0	b	53	97	52	8	-	-	2	0	Tr	-
	Lympne	283	24·1	+2	NNE	2	b	61	75	54	8	-	-	-	0	0	-
	Manston	154	24·0	+4	NW	1	b	59	85	54	8	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	24·3	+6	NNE	2	b	61	85	56	8	-	-	-	0	0	-
	Gorleston	5	24·3	+10	NE	3	z_0	60	92	57	6	5	-	-	9	9	1500
	Mildenhall	15	24·8	+6	NE'E	1	z_0	54	97	54	6	-	-	-	0	0	-
	Cranwell	203	25·0	+6	E	1	z_0	57	92	65	6	5	-	-	10	10	3500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24·3	+6	N'E	1	z_0	58	92	55	6	5	5	1	1	2-3	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·9	-8	ESE	4	bc	60	85	55	8	-	4	1	0	4-6	-
	Bristol	209	24·3	+2	-	0	z_0	55	92	53	6	-	-	1	0	1	-
	Portland Bill	32	22·8	-2	N	2	c-bc	60	85	56	8	5	-	-	7-8	7-8	4000
	Plymouth	86	22·4	-6	E	2	bc	57	85	54	8	-	-	1	0	4-6	-
	The Lizard	240	21·5	-8	ENE	4	bc	59	92	57	8	4	3	-	2-3	4-6	3500
	Scilly (St. Mary's)	163	20·5	-12	NE'E	3	b	58	92	56	8	-	5	-	0	Tr	-
	Guernsey	175															
6	Pembroke	142	23·1	-6	E'N	3	b-bc	57	97	57	7	5	4	1	2-3	2-3	2000
7	Holyhead (Valley)	32	23·3	-4	S'W	2	c	60	97	58	8	5	-	-	10	10	5000
	Chester (Sealand)	16	23·4	-2	-	0	c	61	85	58	7	5	-	-	10	10	3600
8	Manchester	230	23·8	+2	E'N	2	z_0	59	92	57	6	5	-	-	10	10	2600
10	Spurn Head	29	25·9	+8	E	3	c	57	92	54	6	5	-	-	9+	9+	1500
	Catterick (Sc)	192	26·0	+6	-	0	z_0	54	97	54	6	5	7	-	4-6	10	3000
	Tynemouth	108	25·5	+2	SE	3	c	55	92	52	7	5	-	-	9	9	2500
11	St. Abbs Head	280	24·0	0	SE	3	c/r	53	92	50	7	5	2	-	7-8	10	2500
	Leuchars	36	24·8	+2	ESE	3	c/r	55	85	49	8	8	7	-	4-6	10	1500
12	Renfrew (Abbots I.)	19	23·2	-2	SSE	1	z_0	55	85	50	5	5	2	-	2-3	10	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	22·7	0	S'E	3	c	58	97	57	7	6	-	-	10	10	800
13A	Tiree	44	22·5	-2	-	0	c	54	85	50	8	5	7	-	7-8	10	2000
13B	Stornoway	12	24·8	+10	ENE	2	c	52	75	45	8	5	7	-	1	10	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	25·7	+6	-	0	c	47	97	46	7	5	7	-	2-3	10	3500
	Wick	114	25·2	+6	-	0	c-bc	45	97	44	8	-	7	8	0	7-8	-
16	Sumburgh	19	23·7	+6	N'W	1	c	48	97	48	8	5	-	-	9	9	3500
17	Blacksod Point	18	19·5	-12	SE'S	1	c	60	97	59	8	5	5	-	4-6	9+	1500
18	Malin Head	84	21·2	-2	-	0	c	56	97	55	8	5	2	-	4-6	10	1500
	Aldergrove	268	22·8	+2	-	0	z_0	56	97	55	6	5	-	-	10	10	600
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18·6	-22	ESE	5	bc	60	85	55	9	1	3	-	Tr	4-6	2500
	Roches Point	22	21·4	-8	S'E	1	f	58	97	57	2	-	-	-	10	10	<150

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

Stations	Barom. at M.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)	23·5	+2	ESE	2	z_0	62	92	59	5	5	-	-	9+	9+	2500	0	*
Croydon	24·0	-2	E	2	z_0	64	92	61	5	5	4	2	2-3	7-8	5000	0	*
S. Farnborough	28·1	-6	E	2	z_0	60	92	57	6	-	4	4	0	7-8	-	0	*
Boscombe Down	22·4	-2	E'S	3	c-bc	60	85	56	6	3	8	6	1	7-8	2500	0	*
Thorney Island	23·4	+2	ENE	2	b-bc	61	85	58	8	5	7	-	1	2-3	2500	0	*
Lympne	23·8	+2	E	2	b	68	75	58	8	-	-	-	0	0	-	0	§1*
Manston	24·2	+2	E'N	3	b	65	85	61	8	-	-	1	0	Tr	-	0	*
Shoeburyness	24·1	0	E'N	2	z_0	65	92	62	6	-	4	-	0	Tr	-	0	*
Felixstowe	24·0	+2	E'N	4	c	63	85	58	7	5	-	-	9+	9+	2500	0	2
Gorleston	24·6	0	E'S	3	c-bc	61	85	55	7	8	6	-	4-6	7-8	1500	0	3
Mildenhall	24·8	-2	ESE	3	z_0	60	92	58	6	5	-	-	10	10	1500	0	*
Cranwell	24·7	-2	ESE	2	z_0	58	92	56	6	5	7	-	7-8	9+	3000	0	*
Birmingham	23·9	-2	SSW	3	z_0	58	92	56	5	5	4	1	4-6	4-6	450	0	*
Upper Heyford	23·5	-2	E'N	3	z_0	58	92	56	6	-	8	6	0	4-6	-	0	*
Ross-on-Wye	22·6	-8	W'N	1	bc	55	97	54	6	-	8	2	0	4-6	-	0	*
Hartland Point	17·6	-18	E	4	b-bc	62	65	52	8	-	4	-	0	2-3	-	0	3
Bristol	22·4	-6	-	0	z_0	59	97	57	6	-	8	-	0	4-6	-	0	*
Portland Bill	20·5	-14	E	4	c-bc	63	85	60	8	4	4	-	4-6	7-8	4000	1	4
Plymouth	20·0	-6	E'S	3	c-bc	62	85	57	9	-	8	1	0	7-8	-	0	2
The Lizard	18·4	-8	E	5	c-bc	61	85	58	8	4	3	-	7-8	7-8	3000	0	4
Scilly (St. Mary's)	15·8	-14	E'N	5	c	62	85	58	8	5	9	3	4-6	9	1200	0	4
Guernsey																	
Pembroke	19·8	-10	ESE	5	c-bc	60	97	59	8	8	6	1	4-6	7-8	2500	0	2
Holyhead (Valley)	20·7	-14	-	0	fs	58	97	58	8	-	4	9	0	4-6	-	0	*
Chester (Sealand)	22·8	+2	SSE	1	c	60	85	56	6	5	-	-	9+	9+	3000	0	*
Manchester	23·2	-2	SE	3	z_0	59	85	55	6	5	-	-	10	10	3000	0	*
Spurn Head	25·3	0	SE	4	c-bc	58	92	55	8	7	4	-	7-8	7-8	2500	0	1
Catterick (Sc)	25·5	0	SSE	1	c	54	97	54	7	5	2	-	10	10	3000	1	*
Tynemouth	25·2	0	S	2	z_0	54	92	52	5	5	-	-	10	10	2200	1	3
St. Abbs Head	23·6	-4	SE	4	c	54	92	51	7	5	7	-	7-8	9+	3500	0	3
Leuchars	24·1	-2	E'N	3	c	56	85	53	7	5	5	-	2-3	9+	2000	0	*
Renfrew (Abbots I.)	23·4	+4	NNE	1	c/d	55	85	50	6	5	7	-	2-3	9+	2500	1	*
Eskdalemuir	24·0	0	N'W	2	d_0d_0	51	92	49	6	-	2	-	10	10	500	1	*
Point of Ayre	22·0	-14	SSE	1	c	60	97	59	8	5	7	-	1	10	1000	0	
Tiree	21·7	-2	SE	2	d_0d_0c	56	97	56	6	5	-	-	10	10	300	1	2
Stornoway	23·8	-2	ENE	3		53	85	47	8	7	7	-	4-6	9	2500	0	2
Dalwhinnie	24·0	0	S	3	in_0	49	85	46	7	5	2	-	9	10	1500	1	*
Aberdeen †	25·5	+2	SSE	2	c	53	85	44	8	5	7	-	Tr	10	2500	0	1
Wick	24·7	-4	E'N	2	c	51	92	50	5	5	7	-	1	9+	2000	0	*
Sumburgh	25·1	+10	-	0	c	50	85	44	9	5	-	-	9+	9+	2500	0	1
Blacksod Point	16·9	-12	SE	1	c	61	92	59	8	5	-	-	10	10	1500	1	2
Malin Head	20·2	-4	E	1	c	59	92	57	8	5	-	-	10	10	1500	1	1
Aldergrove	21·3	-6	E'N	2	c	58	97	57	7	5	-	-	9+	10	3000	1	*
Birr Castle	18·8	-12	SSE	2	b-bc	59	92	56	8	-	4	-	0	2-3	-	0	*
Valentia Obsy.	14·5	-20	ENE	4	c	63	65	51	9	-	7	-	0	9+	-	1	2
Roches Point	17·2	-16	ESE	4	c/f	59	97	58	8	5	3	5	2-3	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 16th Hrs. (38)
London (Kew)	78	56	45	-	-	12·6
Croydon	81	55	50	-	·	14·5
S. Farnborough	80	51	43	-	Tr	13·2
Boscombe Down	79	56	50	-	-	12·9
Thorney Island	74	51	46	-	-	*
Lympne	72	57	48	-	-	13·0
Manston	77	59	52	-	-	12·9
Shoeburyness	80	56	51	-	-	12·9
Felixstowe	81	57	55	-	-	12[illegible]
Gorleston	80	60	56	-	-	10·[illegible]
Mildenhall	81	51	46	-	-	11·3
Cranwell	76	56	58	-	-	5·6
Birmingham	72	56	49	-	-	5·7
Upper Heyford	76	55	52	-	-	*
Ross-on-Wye	72	51	44	-	-	6·7
Hartland Point	65	59	56	-	-	12·5
Bristol	73	51	43	-	-	13·1
Portland Bill	65	57	*	-	-	*
Plymouth	68	50	47	-	-	13·3
The Lizard	68	58	*	-	-	13·1
Scilly (St. Mary's)	72	58	*	-	-	13·1
Guernsey						
Pembroke	62	55	*	-	Tr	0·8
Holyhead (Valley)	65	53	45	-	-	*
Chester (Sealand)	73	58	61	-	-	3·2
Manchester	67	58	56	Tr	-	*
Spurn Head	65	55	*	-	0·2	0·6
Catterick (Sc)	66	53	*	3	0·1	0·0
Tynemouth	63	54	53	2	-	*
St. Abbs Head	61	52	*	0·2	0·2	*
Leuchars	66	54	52	-	Tr	9·6
Renfrew (Abbots I.)	65	53	50	0·1	0·1	0·7
Eskdalemuir	60	51	48	2	Tr	0·0
Point of Ayre	59	55	*	4	Tr	
Tiree	60	52	40	-	1	5·2
Stornoway	57	51	48	-	-	7·6
Dalwhinnie	59	47	43	-	0·4	8·0
Aberdeen †	60	47	39	-	-	12·1
Wick	57	43	39	2	-	*
Sumburgh	54	46	41	0·3	Tr	6·8
Blacksod Point	65	59	*	3	0·1	
Malin Head	65	55		1	0·3	0·0
Aldergrove	58	55	48	5	-	0·0
Birr Castle	65	51	46	-	-	0·6
Valentia Obsy.	68	58	55	0·1	Tr	1·2
Roches Point	65	58	·	1	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 16th August ... 18h. G.M.T. / 01h. G.M.T. 17th August ... 07h. G.M.T.

III	$C_L C_M$ (13h)	wwVhN$_h$ (13h)	DDFWN (13h)	$C_L C_M$ (18h)	wwVhN$_h$ (18h)	DDFWN (18h)	$C_L C_M$ (01h)	wwVhN$_h$ (01h)	DDFWN (01h)	$C_L C_M$ (07h)	wwVhN$_h$ (07h)	DDFWN (07h)
109	86	0195A	29414	83	02857	28315	51	02755	00025	53	02855	00027
115	34	0295A	32325	54	02964	32124	54	02954	08226	53	02954	08326
203							5-	03948	04328			
206	86	02965	28325	83	01964	04224	57	02963	06108	57	62863	00068
210	26	01963	28414	12	01862	04214	07	02990	30328	57	61964	12227
219	23	02964	01315	13	02962	02317	57	61974	07428	57	02974	08468
280	15	20961	28186	05	02990	00025	57	02963	00068	5-	22748	00068
245	75	01964	31214	54	01862	13213	57	02961	12228	57	61951	12267
260	13	02865	20229	13	02763	00027	5-	05666	00056	53	05555	00026
278	57	02842	30367				53	01861	14115	5-	22608	12268
279				77	02953	04127	5-	02866	08326	02	62628	09168
285	5-	53628	28468	5-	21748	04258						
288	62	57245	32368	57	05564	04227	52	05667	00028	57	02844	00058
575	62	00058	21457	62	54425	00058	62	21426	00058	53	09653	10125
301	6-	02638	55568	5-	02744	28357	5-	05668	10128	57	02563	11325
321	86	02755	24425	8-	02756	28426	5-	05643	08258			
290	5-	05648	18368	5-	03758	32428	5-	02756	06126			
286	52	21746	22868	62	21946	32268	52	02765	00028	5-	02548	10228
310	--	02628	24428	--	02628	24328						
614	1-	02766	55426	5-	02764	24127	5-	05578	06228	5-	05659	06228

13h. G.M.T. 16th August ... 18h. G.M.T. / 01h. G.M.T. 17th August ... 07h. G.M.T.

III	$C_L C_M$ (13h)	wwVhN$_h$ (13h)	DDFWN (13h)	$C_L C_M$ (18h)	wwVhN$_h$ (18h)	DDFWN (18h)	$C_L C_M$ (01h)	wwVhN$_h$ (01h)	DDFWN (01h)	$C_L C_M$ (07h)	wwVhN$_h$ (07h)	DDFWN (07h)
338	53	0273A	20457	53	02764	22427	53	01603	00054	14	02861	00016
334	--	03768	26228							--	02644	04115
340	54	02854	22425	53	02955	22326	5-	02857	16127	5-	05645	10328
136	83	01864	20425	5-	02864	22417	53	08134	04217	03	05690	08227
336	57	02754	24428	50	01756	24314				12	01753	28315
850	10	01863	55413	14	01862	25302	00	05690	04300	--	48109	06249
368	53	02854	24325	40	01862	30213	00	00690	00000	54	01651	06114
879	10	01854	20414	50	01864	24114	04	00790	02101	54	41526	08246
390	00	00890	20410	10	01761	26301	00	05690	00000	5-	43338	06148
882	10	01861	24411	10	01862	25212	04	04690	00002	08	05690	08114
438				00	00890	22300	00	00790	02200	58	01761	06203
430	00	00990	18301	00	01990	18202	50	01851	02101	13	01762	08213
409	50	01941	31201	50	01951	01202	03	01990	10204	54	01974	43514

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 Aug. 5h. 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	bbdby	by	bywbm
Croydon	by	by	bybmwbc
Greenwich	by	by	bybfc
Camden Square	b	b	*
Kensington	bcb	b	*
Hampstead	b	b	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. [illegible] Time 0·2 17h. Min. Time <0·1 7-24h 16h.

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	78	56	45	-	-	12·6	*	*
Croydon	81	50	55	-	-	14·5	*	*
Greenwich	81	57	44	-	-	13·3	34	69
Westminster	80	61	53	—		41	79	
Regents Park	80	59	51	-	-	35	77	
Camden Square	81	59	53	-	-	*	77	
Kensington	81	59	52	-	-	47	79	
Hampstead	78	57	51	-	-	86	*	

SECRET

Page 1 BRITISH SECTION

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

Wednesday 18th August, 1943

No. 29854

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	21·6	-10	NE'E	3	c-bc	79	35	52	8	8	9	6	1	7-8	4000
	Croydon	21·7	-12	SE	4	bc	81	45	57	8	-	8	9	0	4-6	-
	S. Farnborough	20·9	-10	SSE	3	c-bc	78	45	58	9	5	5	4	2-3	7-8	5700
	Boscombe Down	18·9	-18	E'S	5	c	75	45	50	7	-	8	3	0	9	-
	Thorney Island	20·3	0	E'S	4	c-bc	76	65	56	9	2	7	6	Tr	7-8	4000
	Lympne	23·0	-6	SE	1	bc	75	55	55	8	-	3	3	0	4-6	-
	Manston	23·0	-8	E	3	c-bc	69	75	60	8	5	-	8	Tr	7-8	2000
	Shoeburyness	23·5	+4	E	3	z₀	68	85	62	6	7	4	1	2-2	7-8	1000
	Felixstowe	23·9	-6	ENE	5	c-bc	67	85	61	8	1	4	-	2-3	7-8	1500
	Gorleston	24·3	-4	ESE	3	c	64	85	58	7	5	-	-	10	10	1700
	Mildenhall	22·6	-14	SE'E	3	c-bc	75	65	61	8	1	8	6	1	7-8	4000
	Cranwell	22·3	-20	E'S	4	c-bc	75	55	59	8	1	8	9	2-3	7-8	4000
3	Birmingham	20·6	-10	ESE	2	b-bc	75	55	58	7	-	4	-	0	2-3	-
	Upper Heyford	20·6	-16	SSE	2	bc	79	45	53	7	-	3	6	0	4-6	-
4	Ross-on-Wye	19·3	-14	SE	3	b-bc	80	45	53	8	-	5	1	0	2-3	-
5	Hartland Point	14·7	-14	SE	4	bcjp	76	45	55	8	2	4	5	Tr	4-6	3000
	Bristol	19·4	-14	SE'E	3	bc	76	45	54	8	-	8	1	0	4-6	-
	Portland Bill	18·2	-10	E	4	c	62	85	58	8	2	4	-	4-6	9	4000
	Plymouth	16·2	-22	E'S	4	bc	75	55	60	8	-	8	4	0	4-6	-
	The Lizard	15·3	-12	E	5	c-bc	67	75	60	8	2	9	-	7-8	7-8	3000
	Scilly (St. Mary's)	13·9	-14	SE'S	5	c-bc	69	75	60	7	8	8	2	2-3	7-8	1500
	Guernsey															
6	Pembroke	16·5	-30	SE'E	6	bc	71	65	60	7	1	4	9	2-3	4-6	4000
7	Holyhead (Valley)	19·8	-6	ESE	2	c-bc	78	55	58	8	2	8	2	2-3	7-8	4000
	Chester (Sealand)	20·0	-18	SSE	3	c-bc	74	65	61	6	1	-	6	Tr	7-8	2500
8	Manchester	20·8	-18	SE'E	4	z₀	74	65	60	6	-	8	2	0	7-8	-
10	Spurn Head	24·4	-14	SE'E	4	c-bc	65	75	55	7	7	2	-	4-6	7-8	4000
	Catterick (Sc)	23·9	-12	SE	1	z₀	63	85	57	6	5	2	-	7-8	10	2000
	Tynemouth	24·8	-8	SE	4	c	56	85	52	7	5	-	-	9+	9+	2200
11	St. Abbs Head	22·4	-12	SE	4	c	57	85	53	7	5	6	-	7-8	9+	2500
	Leuchars	22·6	-8	E	3	c	62	75	55	7	5	3	-	7-8	9+	6000
12	Renfrew (Abbots I.)	21·4	-14	NNE	2	z₀	62	75	55	6	5	2	-	4-6	10	2500
	Eskdalemuir	21·5	-14	NNW	1	c-bc	62	85	58	7	8	-	-	7-8	7-8	1500
	Point of Ayre	21·1	-8	SE	4	z₀	66	75	60	7	-	-	-	0	0	-
13A	Tiree	20·3	-6	SE	3	c	61	85	58	7	3	7	-	4-6	9	3000
13B	Stornoway	22·1	-4	E	3	ir₀	55	85	49	9	-	7	-	0	10	-
15	Dalwhinnie	22·5	-4	S	2	o	56	85	50	7	5	-	-	10	10	1500
	Aberdeen	24·7	-4	SSE	3	c	57	85	51	7	6	7	-	4-6	10	1500
	Wick	23·7	-12	SE'S	2	c	56	92	54	9	5	7	-	2-3	9	2500
16	Sumburgh	25·5	+2	N'W	2	c-bc	54	75	46	9	8	-	-	7-8	7-8	4000
17	Blacksod Point	13·2	-30	SE	3	c	68	75	60	9	5	5	6	2-3	9	2500
18	Malin Head	18·4	-10	ENE	4	c-bc	60	85	55	8	8	-	5	4-6	7-8	1500
	Aldergrove	19·1	-14	ESE	3	z₀	68	75	59	6	1	4	9	2-3	4-6	2000
19	Birr Castle	14·1	-34	SSE	3	c-bc	74	65	61	8	5	-	4	4-6	7-8	2500
20	Valentia Obsy.	09·1	-36	SE'E	5	pr	73	65	60	9	8	-	1	9	9+	4000
	Roches Point	12·7	-26	E'S	5	c-bc	65	85	60	8	5	-	5	4-6	7-8	2500

OBSERVATIONS at 18h. G.M.T. 17th August — 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. 17th (39)	Weather 13h.–18h. 17th (40)	Weather 18h. 17th – 1h. 18th (41)	Weather 1h.–7h. 18th (42)
London (Kew)	18·6	-8	E'S	4	c	73	65	59	7	5	7	-	1	9	4000	0	*	m₀wcbc	bccyc	c	cw
Croydon	19·4	-10	E	3	c	73	75	63	7	-	4	2	0	9+	-	0	*	cm₀	bcyc	bcm₀cm₀	cm₀bcm₀c
S. Farnborough	17·5	-14	SE	3	c-bc	77	45	56	8	-	8	2	0	7-8	-	0	*	cm₀cbccy	cbcy	cm₀cbc	bcc
Boscombe Down	17·2	-10	SE	3	bc	75	45	51	8	-	8	4	0	4-6	-	0	*	bcyc	cybcy	bcdbccybc	bcm₀bcc
Thorney Island	17·5	-14	E'S	4	c-bc	75	55	55	9	-	8	6	0	7-8	-	0	*	c	bcy	c	cbcc
Lympne	19·5	-10	ENE	3	c	71	65	57	7	-	4	4	0	9	-	0	§	bccybc	cybc	bcyby	bybcyc
Manston	20·0	-14	E'N	4	z₀	66	85	61	6	-	3	7	0	10	-	0	*	bbcb	bccz	cm₀bcz₀	ctbcz₀bm₀
Shoeburyness	20·7	-4	ENE	2	z₀	65	85	62	6	5	7	-	4-6	9	4000	0	*	bcm₀wc	cm₀	cm₀	bcc
Felixstowe	20·9	-18	NE	4	c	65	85	60	8	-	9	-	0	9+	-	0	2	c	bcc	cbc	cm₀cir₀cm₀
Gorleston	21·7	-18	E'S	4	bc	63	85	59	7	-	4	2	0	4-6	-	0	4	c	bcc	bcbcc	bcbc
Mildenhall	19·6	-18	ESE	4	c	70	65	59	8	-	7	2	0	9	-	0	*	cm₀bcyc	bcybc	ctlr	ctlrcir₀m₀
Cranwell	18·8	-22	E'S	5	c	69	65	58	7	4	9	9	Tr	9+	4000	0	*	cm₀cby	bcyc	bcm₀bcir₀	bcc m₀
Birmingham	16·3	-18	SE	3	bc	79	35	49	8	-	8	3	0	4-5	-	0	*	bcb	bbcy	bcc	c
Upper Heyford	17·4	-20	SE	3	bc	78	45	66	7	-	8	8	0	4-6	-	0	*	bcz₀cybcy	bcycy	ybctlm₀	bclcm₀
Ross-on-Wye	15·3	-20	SE'E	3	bc	78	35	51	8	-	9	-	0	4-6	-	0	*	bcbcy	bybcy	c	c
Hartland Point	13·1	+2	E	4	b-bc	71	65	60	8	-	9	3	0	2-3	-	2	3	bcbcy	bccy	bccodf	dfcid₀
Bristol	15·7	-16	SE'E	3	c-bc	76	45	55	8	-	8	6	0	7-8	-	0	*	bcm₀bcy	bcycy	cybc	bcc
Portland Bill	15·1	-6	E	4	c-bc	59	85	52	8	5	-	-	7-8	7-8	4000	1	4	cc	cc	c	offc
Plymouth	14·3	-6	SE	4	c	69	75	60	8	2	8	2	2-3	9+	5700	0	3	bcc	cyc	bcb	bccir₀
The Lizard	13·0	-10	E	4	c	64	85	61	8	5	2	-	7-8	9+	3000	0	4	cbcc	cbcc	dfcff	offmc
Scilly (St. Mary's)	11·5	-20	S'E	3	c	65	85	60	7	8	8	-	7-8	9+	1200	0	4	cbcb	c	ofcc	cdmc
Guernsey																					
Pembroke	13·3	-4	SE	5	cq	71	55	57	7	8	6	-	4-6	9+	2500	0	3	bc	bccq	pr₀bc	cir₀
Holyhead (Valley)	13·8	-30	SE	2	bc	78	45	54	8	-	8	3	0	4-6	-	0	1	cbcy	bcbcy	bcb	cfom₀
Chester (Sealand)	14·8	-30	SE	3	c-bc	76	65	63	7	5	9	8	2-3	7-8	5000	0	*	cm₀z₀	cz₀y	c	cm₀
Manchester	16·0	-24	ESE	4	bc	74	65	61	7	-	3	2	0	4-6	-	0	*	bm₀bcz₀	bcz₀cy	bcz₀cpr₀	cm₀
Spurn Head	21·4	-12	SSE	5	bc	60	92	58	7	7	3	-	4-6	4-6	4000	0		bc	bc	bc	cm₀
Catterick (Sc)	20·2	-26	SE	2	c-bc	66	85	60	8	1	8	3	1	7-8	4000	0	*	cm₀	cm₀c	cpr₀m₀	cm₀
Tynemouth	21·9	-14	SE	5	c-bc	57	92	54	7	2	3	-	2-3	7-8	2400	1	3	oid₀c	c	cp₀	co
St. Abbs Head	19·5	-16	SSE	5	c-bc	55	92	52	7	5	4	-	4-6	7-8	3500	0	4	cm₀	cm₀	cm₀cr₀	r₀tlrcm₀r₀
Leuchars	20·7	-14	ESE	2	c	58	85	55	7	5	-	-	10	10	4500	0	*	c	c	cir₀c	crrtlrc
Renfrew (Abbots I.)	17·4	-20	NE	3	z₀	63	75	57	5	5	7	-	4-6	9	2500	0	*	cid₀m₀cm₀	cm₀cm₀	cm₀r₀r₀tlr	ctlRm₀
Eskdalemuir	18·1	-22	E'S	3	c	62	85	57	6	5	4	-	9	9	1100	0	*	cd₀m₀c	cz₀m₀	cm₀	cm₀tc
Point of Ayre	15·1	-24	SE	5	z₀	65	85	60	6	-	3	2	0	4-6	-	0	3	bz₀	cbcz₀	cprlc	c
Tiree	15·9	-18	E'S	3	c-bc	63	85	58	7	-	7	7	0	7-8	-	0	2	cd₀m₀bc	c	ccir₀	ct
Stornoway	19·1	-18	NE	3	c	57	85	53	8	5	7	-	2-3	9	5700	0	1	cir₀ir₀	cir₀c	cbcc	ccir₀rr
Dalwhinnie		-18	SSE	4	c	56	85	52	6	5	-	2	4-6	9+	1500	0	0	oir₀	oc	*	cir₀o
Aberdeen	22·2	-14	SE	2	c	55	85	51	8	5	7	-	2-3	10	1500	0	2	c	c	c	cir₀ irz₀
Wick	21·6	-10	SE	4	c	55	97	54	7	5	7	-	Tr	9+	1000	0	*	c	c	c	cr₀r₀
Sumburgh	24·5	-8	ESE	2	c	53	75	44	9	7	-	-	9+	9+	3000	0	2	c	c	c	c
Blacksod Point	07·9	-18	SE'E	3	°/pr	67	75	59	8	9	-	-	9+	9+	2500	1	3	c	pr	d	r
Malin Head	13·5	-30	E	5	c-bc	61	85	56	7	4	4		4-6	7-8	1500	1	3	c	c	tlr	r
Aldergrove	13·9	-36	E'S	2	c	66	75	58	6	5	7	-	4-6	9+	2500	1	*	cbcm₀bz₀	bccz₀	cirbcc	cbcc id₀c
Birr Castle	08·9	-30	SSE	3	c	71	75	63	8	8	7	-	7-8	9+	1500	0	*	c	c	*	c
Valentia Obsy.	08·9	-2	S	4	of+	62	97	61	3	5	-	-	10	10	<150	1	3	pr	d	r	r
Roches Point	09·6	-28	SE	5	df	61	97	60	3	5	-	-	10	10	220	1	3	bc	pr	d	c

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Moderate west winds, backing; cloudy with some bright intervals; appreciable clearances tonight; rather warm.
5 S.W. England, 6 South Wales	Moderate west to southwest winds; cloudy, with some bright intervals, becoming overcast tonight, with some hill fog; rather warm.
7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England	As 1-4
11 S.E. Scotland, 12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland	Moderate southwest to west winds; cloudy; scattered showers later; rather cool.
15 N.E. Scotland, 16 Orkneys and Shetlands	Fresh or strong southeast winds, veering southwest and moderating; general rain today, becoming cloudy, with local rain or showers; cool.
17 N.W. Ireland, 18 N.E. Ireland, 19 S.E. Ireland, 20 S.W. Ireland	Light or moderate southeast winds; cloudy; local coastal drizzle; rather warm.

GENERAL INFERENCE

A depression west of Scotland is moving northeast, with a trough moving northeast across Scotland and Eastern England; there will be general rain at first in Northeast Scotland, and scattered showers later in west Scotland; weather will be cloudy elsewhere with appreciable clearances in Eastern districts tonight.

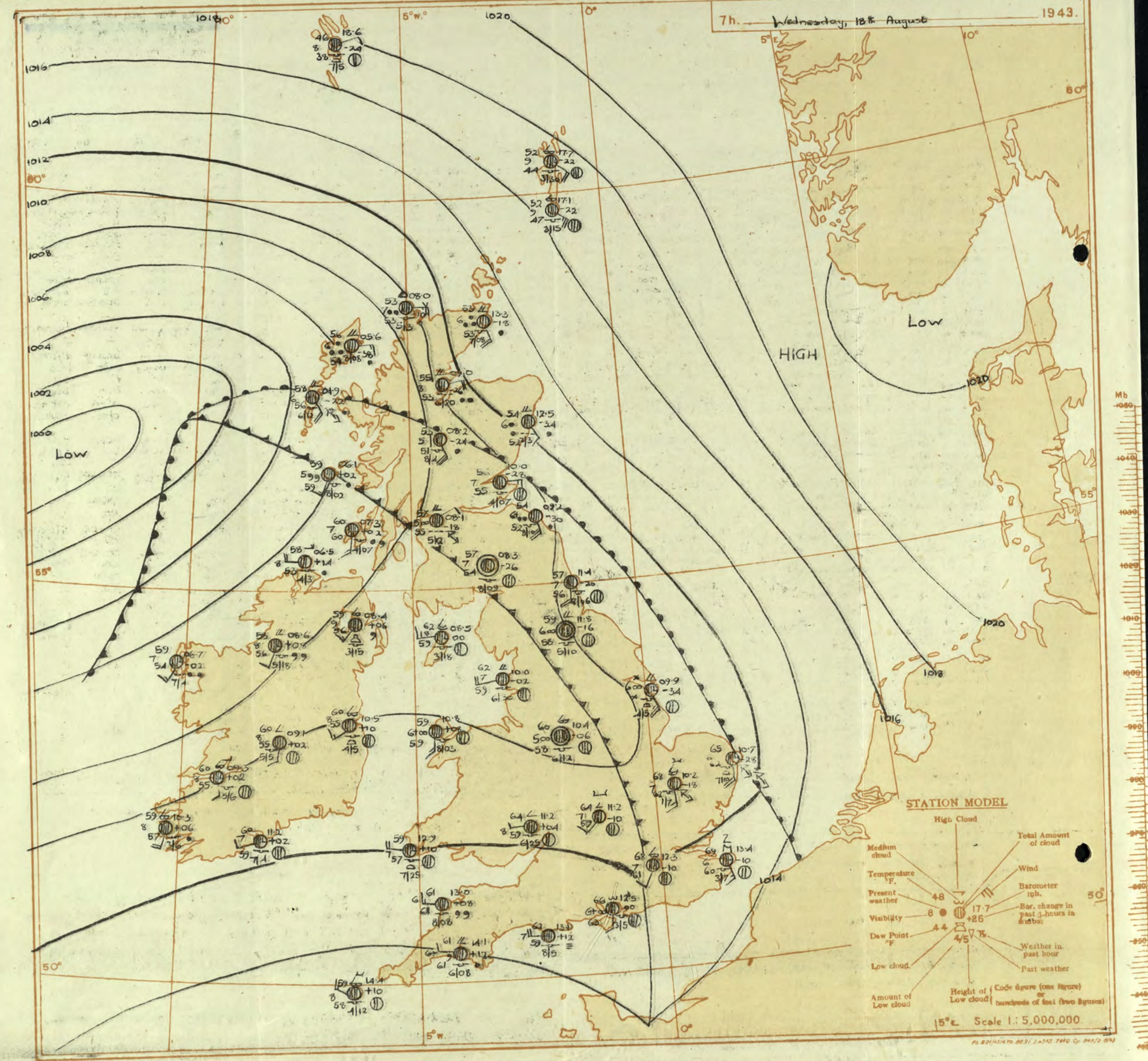
FURTHER OUTLOOK

Fair in Southeastern districts; rain spreading northeast across western and northern districts.

Forecasts issued at 10-30

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Wednesday, 18th August 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

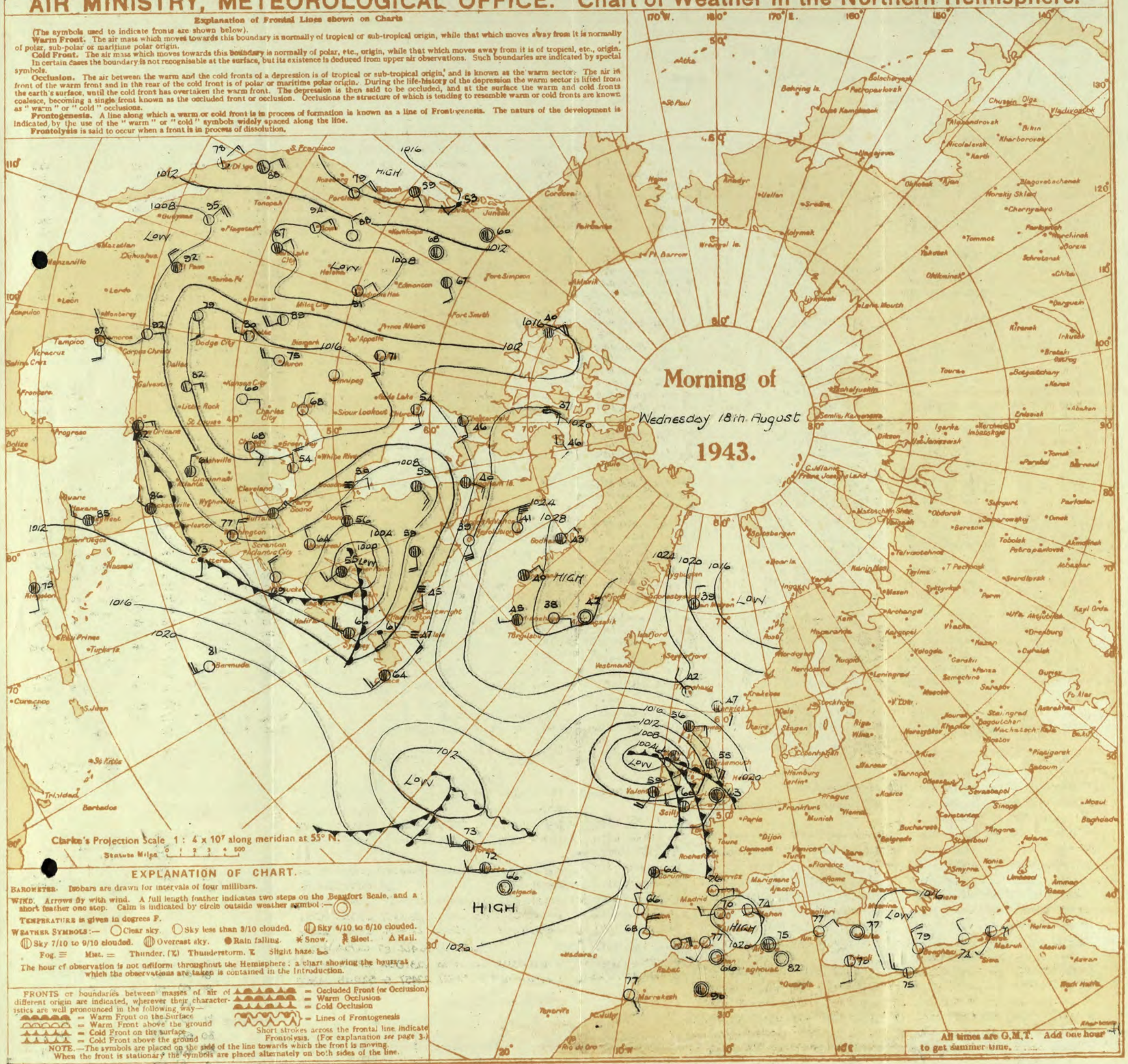
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

All times are G.M.T. Add one hour to get summer time.

BRITISH SECTION

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

Wednesday 18th August 1943

No. 29854

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

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	*	*	*	*	*	65	*	*	*	*	*	*	*	*	*
	Croydon	290	15·4	-28	–	0	Zo	63	92	61	5	5	3	2	2-3	7-8	4000
	S. Farnborough	226	13·6	-28	SE	2	bc	64	85	58	7	–	–	4	0	4-6	–
	Boscombe Down	417	12·6	-32	E'S	4	bc	66	75	57	8	–	3	6	0	4-6	–
	Thorney Island	10	14·0	-16	E'S	3	bc	67	85	61	8	–	7	2	0	4-6	–
	Lympne	283	15·5	-34	SE	1	b	68	75	59	7	–	–	1	0	Tr	–
	Manston	154	16·8	-14	E'S	3	l	66	75	58	6	–	3	1	0	7-8	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	17·3	-14	E'S	4	bc	66	85	63	7	–	4	–	0	4-6	–
	Gorleston	5	18·8	-2	E'S	4	ebc	63	85	59	7	7	–	–	7-8	7-8	800
	Mildenhall	15	15·8	-24	ESE	5	tlr	65	92	62	7	3	9	–	4-6	9+	2500
	Cranwell	203	14·9	-30	ESE	4	Zo	59	92	57	6	5	3	–	Tr	4-6	4000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	14·1	-22	E	3	l	63	85	59	6	–	8	6	0	7-8	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	11·4	+4	WSW	3	df	62	97	62	1	–	–	–	10	10	<150
	Bristol	209	12·5	-16	SE	1	bc	67	75	57	7	–	8	6	0	4-6	–
	Portland Bill	32	12·9	-14	E	4	ebc	64	85	61	8	2	–	–	7-8	7-8	4000
	Plymouth	86	12·5	-2	S'W	1	Zo	62	97	62	6	5	–	–	4-6	4-6	600
	The Lizard	240	12·9	+4	W	3	cf+	60	97	60	3	5	–	9	10	10	1400
	Scilly (St. Mary's)	163	13·3	+8	W	3	c	60	97	59	7	5	–	–	9+	9+	1500
	Guernsey	175															
6	Pembroke	142	11·5	+2	WSW	3	bc	61	97	61	7	1	7	–	2-3	4-6	4000
7	Holyhead (Valley)	32	10·0	-2	SW'S	3	b	64	75	56	7	–	3	–	0	Tr	–
	Chester (Sealand)	16	11·3	-10	S	3	ebc	66	65	55	7	5	3	–	4-6	7-8	3000
8	Manchester	230	12·5	-14	SE'S	2	c/pr	67	65	55	7	4	7	–	4-6	10	2500
10	Spurn Head	29	16·4	-32	SE'E	5	bc	*	*	*	7	7	3	–	4-6	4-6	4000
	Catterick (Sc)	192	16·1	-30	–	0	c/r	55	97	55	6	5	7	–	7-8	10	2500
	Tynemouth	108	17·7	-36	SE	5	c/pr	55	97	55	7	8	–	–	9+	9+	2500
11	St. Abbs Head	280	16·3	-8	SE	5	i6	54	97	54	7	5	–	–	10	10	2500
	Leuchars	36	15·2	-36	NE	5	c	56	92	53	7	5	2	–	7-8	10	900
12	Renfrew (Abbots I.)	19	12·1	-40	ENE	4	tlr	57	92	54	4	9	–	–	10	10	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	10·6	-20	SE	5	c	62	85	49	7	9	–	–	9+	9+	3500
13A	Tiree	44	08·6	-44	E	3	i6	61	85	57	6	–	7	–	0	10	–
13B	Stornoway	12	12·9	-30	E	3	c	56	92	54	8	5	7	–	1	9+	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	18·5	-18	SE	3	c	53	97	52	7	5	–	–	9	10	800
	Wick	114	19·0	-12	SSE	4	c	54	92	53	8	5	2	–	9+	10	2500
16	Sumburgh	19	21·8	-14	SE	3	c	52	85	46	8	5	–	–	10	10	2500
17	Blacksod Point	18	06·7	+2	SW	3	dodo	58	97	58	7	–	2	–	10	10	1500
18	Malin Head	84	05·6	-20	SSE	7	l	64	85	60	8	8	–	–	9	9	800
	Aldergrove	268	08·3	-22	SSE	3	l	62	85	57	6	5	8	–	7-8	9+	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·1	+5	SSW	4	c/r	59	97	59	7	5	–	–	9+	9+	1500
	Roches Point	22	10·5	+6	SSW	3	c	60	97	60	8	5	–	–	9+	9+	800

OBSERVATIONS at 7 hr. G.M.T. 18th August — 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 17th Hrs. (38)
London (Kew)	11·4	-12	SW'S	2	c	65	85	60	7	5	1	–	4-6	10	4000	0	*	81	62	55	–	–	6·3
Croydon	12·3	+10	SSW	2	c	68	75	61	7	–	7	–	0	10	–	0	*	81	63	57	–	–	8·6
S. Farnborough	11·9	0	W'S	3	c	67	85	61	8	–	7	–	0	10	–	0	*	81	63	53	–	–	9·5
Boscombe Down	12·6	+4	W	2	c	63	85	59	7	5	7	–	4-6	9+	1800	0	*	82	60	56	–	–	9·1
Thorney Island	12·5	0	SW	2	Zo	66	85	63	6	5	3	–	2-3	10	2500	0	*	79	64	60	–	–	*
Lympne	13·1	+12	S'W	2	c	67	85	60	7	5	2	3	2-3	9+	4000	0	4§	77	68	59	–	–	11·4
Manston	13·4	-10	SE	3	ct	69	75	60	6	5	8	6	2-3	9	5700	0	*	71	63	61	–	–	9·6
Shoeburyness	12·2	-12	S	1	c	67	85	62	7	5	2	–	7-8	10	4000	0	*	69	53	59	–	–	8·[illegible]
Felixstowe	12·0	-22	S	4	c	67	85	62	6	5	7	–	7-8	10	4000	1	2	69	63	61		Tr	5·[illegible]
Gorleston	10·7	-28	S	4	c/tlr	65	92	62	6	7	–	–	9+	9+	1000	1	4	69	63	60	–	1	7·5
Mildenhall	10·2	-18	S'E	3	c	68	85	62	7	5	9	7	Tr	10	5700	1	*	77	62	57	–	0·6	9·7
Cranwell	09·8	-18	SE'E	3	Zo	62	92	59	6	5	–	–	1	10	1000	0	*	77	58	56	–	Tr	7·0
Birmingham	10·7	0	WSW	3	c	63	85	58	7	–	2	–	0	10	–	0	*	81	61	54	–	–	10·4
Upper Heyford	11·2	-10	SW	2	c	64	85	59	7	–	1	7	0	10	–	0	*	83	63	60	–	–	*
Ross-on-Wye	11·2	+4	W'S	1	c	64	85	59	8	5	1	–	9	10	2500	0	*	82	63	56	–	–	9·8
Hartland Point	13·0	+8	W	3	o/d	61	97	61	6	5	–	–	10	10	800	0	4	76	60	59	–	Tr	9·6
Bristol	13·0	+16	WSW	3	c	63	85	59	7	5	7	–	4-6	10	2500	0	*	81	62	56	1	–	10·1
Portland Bill	13·1	+12	W	4	c	62	85	59	7	5	–	–	10	10	2500	1	4	65	59	*	–	–	*
Plymouth	14·1	+12	W	2	ido	61	97	61	6	5	2	–	9	10	800	0	2	75	60	56	–	Tr	8·5
The Lizard	15·2	+8	WNW	2	ebc	59	97	58	7	5	3	–	7-8	7-8	1500	0	3	69	58	*	–	Tr	9·2
Scilly (St. Mary's)	14·4	+10	WNW	3	c	59	97	58	8	5	7	7	4-6	10	1200	0	3	69	58	*	–	–	7·8
Guernsey																							
Pembroke	12·9	+10	W	4	c	59	92	57	7	7	–	–	9+	9+	2500	1	3	73	61	*	–	0·3	7·4
Holyhead (Valley)	10·8	+8	SW	3	Zo	59	97	59	6	5	–	–	10	10	300	0	2	81	58	55	–	–	*
Chester (Sealand)	09·9	0	–	0	c	63	85	59	7	5	–	–	10	10	2000	0	*	78	58	59	–	–	7·7
Manchester	10·2	+4	SW	2	Zo	61	92	59	6	–	7	–	0	10	–	0	*	76	61	55	–	Tr	*
Spurn Head	09·9	-34	SE	5	Zo	*	*	*	6	7	2	–	4-6	9+	2500	0	4	65	*	*	–	*	5·7
Catterick (Sc)	11·8	-16	–	0	Zo	59	92	58	6	5	2	–	7-8	10	1000	0	*	68	53	48	–	0·1	1·0
Tynemouth	11·4	-20	S	4	o	57	97	56	7	5	–	–	10	10	600	1	4	58	55	48	0·2	0·4	*
St. Abbs Head	09·2	-30	SSE	5	roro	54	92	52	6	5	–	–	10	10	1000	1	4	58	53	*	–	3	
Leuchars	10·0	-28	E	3	c	56	97	55	7	5	–	–	4-6	10	700	1	*	63	55	52	–	4	0·6
Renfrew (Abbots I.)	08·1	-18	NE	1	Zo	57	92	55	5	6	2	–	7-8	10	1200	1	*	65	56	54	–	3	0·1
Eskdalemuir	08·3	-26	–	0	c	57	92	54	7	5	–	–	10	10	900	0	*	67	53	50	0·1	0·1	2·2
Point of Ayre	08·5	0	W'S	3	c	62	97	59	8	5	9	–	2-3	9+	1800	0	2	67	60	*	–	Tr	5·7
Tiree	06·1	+2	SSW	3	dodo	59	97	59	5	5	–	–	10	10	200	1	2	64	57	55	1	1	1·7
Stornoway	05·6	-38	E	3	rr	56	97	54	6	–	2	–	10	10	800	1	2	57	54	51	Tr	3	0·4
Dalwhinnie	08·2	-24	SE	6	o	53	92	51	5	5	–	–	10	10	1500	1	*	58	51	50	0·3	1	0·1
Aberdeen †	12·5	-34	SE	2	ir	54	92	52	6	6	2	–	1	10	800	1	4	58	53	52	–	1	0·0
Wick	13·3	-18	SE	4	rr	53	97	53	6	5	2	–	9+	10	800	1	*	58	62	51	–	5	*
Sumburgh	17·1	-22	E'S	5	c	52	85	47	9	5	7	–	2-3	10	1500	0	2	57	51	46	–	–	0·9
Blacksod Point	06·7	-2	SSW	3	c/r	59	85	54	7	6	–	–	9+	9+	1500	1	3	71	56	*	Tr	0·6	*
Malin Head	06·5	+14	W	4	ebc	58	85	53	8	5	–	2	4-6	7-8	800	1	3	65	58		–	0·2	3·2
Aldergrove	08·4	+6	SE'S	3	c	59	85	56	9	8	7	–	2-3	10	1500	1	*	69	59	*	–	0·2	6·2
Birr Castle	09·1	+2	S	2	c	60	85	55	8	5	1	–	7-8	10	2500	0	*	76	58	56	–	–	6·6
Valentia Obsy.	10·3	+6	SSW	4	c	59	92	57	8	5	7	–	2-3	10	4000	1	4	74	59	57	0·1	0·3	2·9
Roches Point	11·2	+2	WSW	2	c	60	97	59	7	5	–	–	9+	9+	1500	1	4	67	60	*	0·3	0·4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 17th August $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 18th August $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	83	02955	11426	57	02855	11427	5-	02756	12526			
115	52	02954	08427	53	02854	08426	53	09854	08425	52	62735	41568
203	6-	03848	08128	5-	03948	08328						
206	7-	02868	12128	53	02865	08127	53	02754	04226	62	22856	06468
210	57	02865	06167	57	02864	12325	53	02843	13426	97	28843	12567
219	52	22835	09468	51	01863	07426	57	22754	08468	52	22646	12498
230	5-	02857	08257	01	01790	08227	07	61790	08266	57	02866	00098
245	57	02765	09368	62	02757	10228	57	05647	10427	3-	22648	14498
260	57	05555	04328	53	05646	04328	56	11555	04325	5-	05648	04328
276	23	01743	43514-	53	95673	10426	93	29658	45497	52	02867	20378
279	88	01753	06424	07	05690	10425	58	25864	07586	5-	51648	20498
285				5-	08638	14428				--	06209	10269
288	57	02855	12227	07	01890	10314	08	25790	08785	5-	02758	14328
575	17	01954	16314	57	02741	10327	57	05644	17227	52	21845	18257
301	13	05652	11424	13	05661	14414	07	05690	10527	52	02766	22428
325	5-	02757	01327	53	02863	10425	57	22764	12467	57	05554	00068
298	50	02745	08315	54	01790	10311	8-	02746	08426	52	05654	12415
305	5-	02754	10327	54	02853	08315	57	07646	07388	5-	05648	00098
310	--	01635	08415							--	05428	20428
614	20	02766	10327	08	02790	10326	08	05690	06386	57	05567	32128

III	13h. G.M.T. 17th August $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 18th August $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
338	08	02890	10315	04	01890	10315	04	01790	14311	5-	05627	22257
334				--	05653	06214				--	03627	24328
340	18	05651	12524	54	02752	10424	03	25690	12484	51	05663	20328
136	13	02853	12415	04	01890	08415	5-	02766	10416	08	05690	14287
336	13	01753	12415									
350	18	01763	10213	03	02890	10415	39	07753	08486	07	05690	20328
368	58	01861	12515	38	02753	04315				57	02845	57428
378	08	01790	14413	08	02890	12415	23	02663	12316	57	05651	20328
390	08	05690	08414	07	05690	10317	03	05690	08323	57	05573	16228
382	58	01871	14314	03	01890	11424	08	05690	12214	57	02863	22228
438	64	02764	06215				54	01753	16414	87	02754	02754
430	57	02973	08315	08	02850	09315	04	01790	12313	52	02773	20228
409	08	02890	45626	08	02890	15527	5-	51627	22457	5-	52908	24358

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 18th August. 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	m₀wcbc	bccyc	cw
Croydon	cm₀	bcyc	cm₀bcm₀c
Greenwich	bc	bcxc	cbcc
Camden Square	c	bc	*
Kensington	bc	bc	*
Hampstead	bc	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ending 9h. Max. Time 0·2 [illegible] 18th. Min. Time <0·1 10-14h 17th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	81	62	55	–	–	6·3	*	*
Croydon	81	63	57	–	–	8·6	*	*
Greenwich	79	61	52	–	–	6·7	57	–
Westminster	81	65	59	—			50	75
Regents Park	80	63	58	–	–		45	70
Camden Square	83	63	58	–	–	*	*	71
Kensington	*	63	59	–	–		87	73
Hampstead	77	62	57	–	–		*	*

SECRET

Page 1

BRITISH SECTION

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

Thursday 19th August 1943

No. 29855

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	15.0	+6	W'S	2	c	75	45	53	8	-	3	8	0	9+	-
	Croydon	15.6	+8	WSW	4	c	77	65	65	7	-	-	2	0	10	-
	S. Farnborough	13.7	+10	W	4	c	75	55	60	8	1	8	8	Tr	9+	3500
	Boscombe Down	14.2	+6	WNW	2	c-bc	73	55	56	8	1	3	2	2-3	7-8	3000
	Thorney Island	14.1	+6	W	3	c	75	65	61	9	5	-	8	2-3	9	2500
	Lympne	13.7	+10	SSW	3	c	71	75	63	8	-	-	7	0	10	-
	Manston	12.8	+4	SW'S	3	c	77	55	52	7	-	-	7	0	10	-
2	Shoeburyness	12.6	+4	W'S	1	c-bc	79	55	61	7	-	7	-	0	7-8	-
	Felixstowe	11.4	-2	WSW	4	c	78	55	62	7	-	7	-	0	9+	-
	Gorleston	10.5	+4	SW'W	4	c	81	55	65	7	5	-	-	9+	9+	1500
	Mildenhall	11.4	+10	WSW	4	c	78	55	62	7	-	-	7	0	10	-
	Cranwell	11.1	+10	W'S	4	c	70	55	55	7	5	1	7	4-6	10	3500
3	Birmingham	12.7	+8	W	3	c-bc	71	55	56	8	7	7	8	2-3	7-8	4000
	Upper Heyford	12.3	+2	W	3	c	73	55	56	8	5	-	8	Tr	9+	4000
4	Ross-on-Wye	13.4	+10	W'S	4	bc	71	55	53	8	1	5	9	1	4-6	3500
5	Hartland Point	14.8	+8	WSW	3	bc	62	85	58	8	1	-	3	2-3	4-6	1800
	Bristol	14.6	+2	W	4	c-bc	69	65	57	8	7	4	6	4-6	7-8	3500
	Portland Bill	15.1	+8	SSW	4	c-bc	63	85	58	8	2	-	-	7-8	7-8	4100
	Plymouth	16.3	+8	SW	3	b-bc	66	85	62	9	2	-	2	1	2-3	2500
	The Lizard	15.9	+4	W	4	bc	66	75	59	8	2	6	-	2-3	4-6	3500
	Scilly (St. Mary's)	15.7	+6	W'S	4	c	68	75	59	7	8	3	-	7-8	9+	1800
	Guernsey															
6	Pembroke	14.1	+6	SWW	4	cq	63	85	59	7	8	6	-	7-8	9+	2000
7	Holyhead (Valley)	12.0	+6	SW	3	c	64	85	59	8	8	4	6	4-6	9+	1500
	Chester (Sealand)	13.9	+10	W	4	c	68	65	55	8	5	1	-	4-6	9+	2500
8	Manchester	11.9	+10	W	4	c	68	75	58	9	2	6	3	4-6	9	2500
10	Spurn Head	10.2	+8	W'S	4	z_0	*	*	*	6	5	-	-	10	10	2000
	Catterick (Sc)	10.4	-4	WSW	4	c	64	75	55	8	8	7	-	4-6	9+	2000
	Tynemouth	09.3	-4	W	3	c	68	75	60	7	2	3	-	7-8	9	2300
11	St. Abbs Head	06.9	-6	WNW	1	c-bc	65	75	57	7	2	6	-	4-6	7-8	3600
	Leuchars	07.4	-6	NW	1	z_0	62	85	58	6	5	1	-	7-8	10	1500
12	Renfrew (Abbots I.)	08.6	+6	WNW	2	c	64	85	58	7	8	-	-	10	10	2000
	Eskdalemuir	07.7	+2	SW	4	c	67	75	58	8	5	7	1	7-8	9	2300
	Point of Ayre	10.1	+6	W	5	c	65	75	56	8	2	4	6	Tr	9+	2500
13A	Tiree	07.6	+8	SW'S	4	c-bc	61	85	56	9	7	3	2	2-3	7-8	3000
13B	Stornoway	08.4	+2	SW	4	c	62	85	57	8	5	-	-	9	9	1800
15	Dalwhinnie	07.0	-2	SW	3	c	59	85	55	7	5	1	-	9	10	1500
	Aberdeen	07.3	-26	SSE	1	dd	56	97	66	4	-	2	-	10	10	220
	Wick	09.1	-12	SE	3	id	53	97	53	6	5	-	-	10	10	300
16	Sumburgh	12.4	-26	SE	5	r_0r_0	51	97	50	7	5	2	-	4-6	10	900
17	Blacksod Point	08.3	+8	SW'S	4	c	62	65	50	8	5	-	-	10	10	1500
18	Malin Head	07.6	+6	W	3	c	61	85	56	8	5	2	-	4-6	10	1500
	Aldergrove	09.3	+10	SW	2	c	65	75	56	8	8	7	-	4-6	10	2500
19	Birr Castle	10.1	+2	SW	3	c	66	85	61	8	3	7	-	7-8	9	1500
20	Valentia Obsy.	11.2	+6	SW'S	5	c	62	85	57	9	2	7	-	4-6	9+	2500
	Roches Point	12.5	+2	SW	3	c	62	92	60	8	5	-	-	9+	9+	1500

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

Stations	Barom. at M.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)	13.4	+2	WNW	3	bc	76	45	65	8	1	-	6	Tr	4-6	4000	0	•
Croydon	14.1	+2	W'S	3	b-bc	76	55	57	8	-	-	1	0	2-3	-	0	•
S. Farnborough	13.7	+4	WNW	4	b-bc	76	65	63	8	1	4	8	1	2-3	3500	0	•
Boscombe Down	14.5	+2	WNW	3	bc	69	55	53	8	1	-	2	2-3	4-6	4000	0	•
Thorney Island	14.6	0	WSW	4	bc	69	75	59	9	4	-	2	1	4-6	2500	0	•
Lympne	14.2	+4	SW	3	bc	67	85	62	8	-	-	3	0	4-6	-	0	§
Manston	12.7	0	SSW	4	bc	74	65	63	7	-	-	2	0	4-6	-	0	•
Shoeburyness	13.1	+6	WSW	2	bc	76	55	57	8	-	7	-	0	4-6	-	0	•
Felixstowe	12.0	+2	W	4	bc	73	45	55	7	-	-	6	0	4-6	-	0	2
Gorleston	11.8	+10	W	1	z_0	77	55	61	6	-	-	2	0	4-6	-	0	3
Mildenhall	12.1	-2	W'S	4	bc	78	55	59	8	5	4	2	1	4-6	4000	0	•
Cranwell	12.1	+8	W	4	c-bc	69	55	50	9	-	7	6	0	7-8	-	0	•
Birmingham	13.2	+4	WSW	3	bc	70	55	53	8	7	-	2	4-6	4-6	2500	0	•
Upper Heyford	13.0	+6	W'S	4	b-bc	72	45	52	9	1	-	2	Tr	2-3	4000	0	•
Ross-on-Wye	13.9	+4	W'S	3	b-bc	69	65	55	8	7	-	1	2-3	2-3	3500	0	•
Hartland Point	14.5	-4	WSW	4	bc	62	92	61	8	2	-	4	2-3	4-6	2000	0	4
Bristol	14.6	0	W	3	b	67	75	57	8	1	-	5	Tr	1	3000	0	•
Portland Bill	14.6	-2	SW	4	c-bc	63	92	61	8	2	-	-	7-8	7-8	4000	1	4
Plymouth	16.1	0	W	4	b-bc	63	97	62	8	4	-	2	2-3	2-3	2000	0	2
The Lizard	16.3	-2	W	3	b-bc	63	92	60	8	7	-	-	2-3	2-3	4000	0	3
Scilly (St. Mary's)	15.6	-2	W	3	c	64	85	61	7	5	-	-	9	9	1800	0	3
Guernsey																	
Pembroke	14.2	0	WSW	4	c	61	85	57	7	8	-	-	9	9	2000	0	3
Holyhead (Valley)	12.2	+2	SSW	4	c	61	92	58	7	8	7	8	1	9+	1500	0	4
Chester (Sealand)	12.0	-2	WSW	2	c	65	75	56	8	5	2	-	2-3	9	2500	0	•
Manchester	12.1	-2	WSW	4	c	64	75	55	9	4	6	9	7-8	9	2000	0	•
Spurn Head	11.6	+10	W'S	3	z_0	*	*	*	6	7	3	-	4-6	9+	2500	0	1
Catterick (Sc)	11.4	+8	SW	3	c	63	75	55	8	5	7	-	4-6	9+	2000	0	•
Tynemouth	10.4	+6	W	3	z_0	60	65	44	6	5	-	-	9+	9+	2300	1	3
St. Abbs Head	07.6	+4	WNW	2	c	63	75	52	7	5	2	-	7-8	9+	2500	0	2
Leuchars	07.3	+2	SW	4	c	65	75	57	8	8	7	1	4-6	9	3000	0	•
Renfrew (Abbots I.)	08.3	-2	SW	3	c	63	75	55	8	8	3	3	7-8	9	2000	1	•
Eskdalemuir	08.4	+8	SW'W	4	c-bc	61	85	55	8	8	7	1	7-8	7-8	2300	0	•
Point of Ayre	10.9	0	SW	3	c	65	85	60	8	2	7	6	Tr	9+	2000	0	2
Tiree	07.8	0	SW	3	bc	59	85	56	8	5	4	5	1	4-6	2000	1	2
Stornoway	06.2	+8	WSW	3	a-bc	60	85	54	8	5	6	-	7-8	7-8	1800	0	3
Dalwhinnie	07.3	0	SW	1	c	58	85	52	8	5	3	-	4-6	9+	2500	0	•
Aberdeen	06.4	-8	E	1	i_0f	61	92	58	5	2	7	6	1	9+	2500	1	•
Wick	06.6	-14	SW	1	c	55	97	55	8	8	6	-	7-8	9+	1000	1	•
Sumburgh	08.5	-22	ESE	5	d_0d_0	51	97	51	5	5	2	-	7-8	10	800	1	3
Blacksod Point	08.1	-2	SW'S	4	c	60	75	55	8	8	5	-	7-8	9	1500	1	3
Malin Head	08.0	+2	W	1	c-bc	59	85	54	8	3	-	-	7-8	7-8	1500	1	2
Aldergrove	09.4	-2	WSW	3	c	63	75	54	8	5	7	-	4-6	9+	2500	1	•
Birr Castle	10.2	-4	SW	2	c	64	85	59	8	8	7	-	7-8	9	1500	0	•
Valentia Obsy.	11.1	-2	SSW	5	c	64	75	56	8	2	3	1	4-6	9+	1500	1	4
Roches Point	12.3	-4	SW	3	c	62	85	57	8	5	3	-	4-6	9	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 18th (39)	Weather 13h.—18h. 18th (40)	Weather 18h. 18th to 1h. 19th (41)	Weather 1h.—7h. 19th (42)
London (Kew)	cy	cbcy	bcy	bcbm₀o
Croydon	c	cbcby	bcyb	bbm₀bcwb
S. Farnborough	cm₀bcy	bcybc	bbcc	cbwm₀b
Boscombe Down	ccy	cybcy	bcycb	bFbcfgbF
Thorney Island	c	ccybcy	bcbfg	bwfgbf
Lympne	ctyrc	c	cbcm₀wfg	bm₀wfg
Manston	ctcrm₀	cyc	cbc	bcbcm₀b
Shoeburyness	cm₀cy	cybcy	bcy	bm₀
Felixstowe	cm₀cbcc	cbccy	by	bgb
Gorleston	cy	cbcyz₀	bcblbcb	bcclbc
Mildenhall	c	ccy	bcyb	bbm₀bcm
Cranwell	cm₀z₀	ccy	bc	bcbcm₀b
Birmingham	c	cbc	bc	bcc
Upper Heyford	c	cbcy	bcyb	bcm₀ffu
Ross-on-Wye	cc	ccy	bccb	bcc
Hartland Point	bcbc	bccbc	bbc	cbc
Bristol	cid₀c	cbcb	bbwbm₀wbc	bwbcw
Portland Bill	c	c	cbc	cc
Plymouth	cbc	bc	cw	awcm₀c
The Lizard	cbc	bc	bccw	cbccw
Scilly (St. Mary's)	cbcc	cbc•	cbcc	cw
Guernsey				
Pembroke	cq	prc	cpr₀ cm₀	cpr₀r₀q cm₀
Holyhead (Valley)	c	c	c	cm₀bcm₀
Chester (Sealand)	c	c	cbc	bbcc
Manchester	cm₀c	c		
Spurn Head	bm₀	cm₀	bc	bcz₀
Catterick (Sc)	cm₀c	c	c	c
Tynemouth	cm₀c	cm₀	cm₀	cbcm₀
St. Abbs Head	ovrtcm₀	cm₀	cm₀c	cm₀c
Leuchars	cam	cm₀c	bccm₀c	ccm
Renfrew (Abbots I.)	cm₀	cbcc	ccirm₀	cm₀id₀
Eskdalemuir	cr₀d₀m₀c	c	cpr₀m₀c	cpr₀m₀c
Point of Ayre	c	c	cbcc	c
Tiree	odd₀m₀cbcc	ccpr₀c	c	c
Stornoway	cir₀c	ccpr₀bcc	cpr₀	cpr₀m₀cbc
Dalwhinnie	oco	oc		copr₀c
Aberdeen	r)))m	oddacm₀jf	c	c
Wick	crrcid	cid₀cm₀	cgfpr₀bcgf	bcfge
Sumburgh	cirr₀r₀	d₀d₀r₀r₀c	omdd	omdpr₀
Blacksod Point	d	c	c	bc
Malin Head	r	r	c	c
Aldergrove	c	c	c	ccirc
Birr Castle	c	pr		c
Valentia Obsy.	c	c	r	r
Roches Point	d	c	c	c

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

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

GENERAL INFERENCE

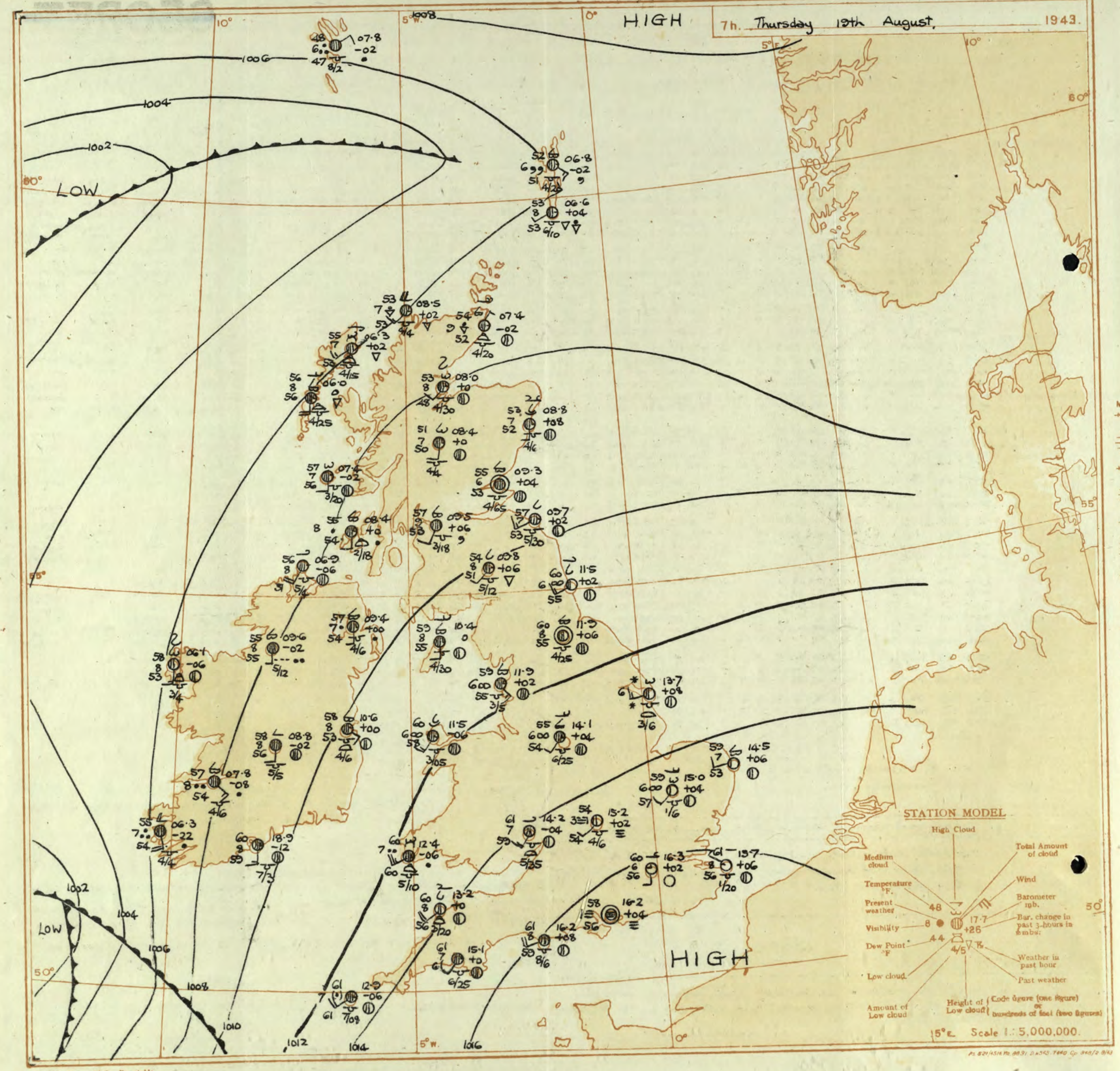
A depression off Southwest Ireland is moving northeast. General rain will spread from Ireland over much of Scotland and there is a chance of thunder later in northern and western districts of the British Isles. In the south east it will remain fair. It will be warm or rather warm in most districts.

FURTHER OUTLOOK

Thundery conditions in many parts of the British Isles

Forecasts issued at 1030

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

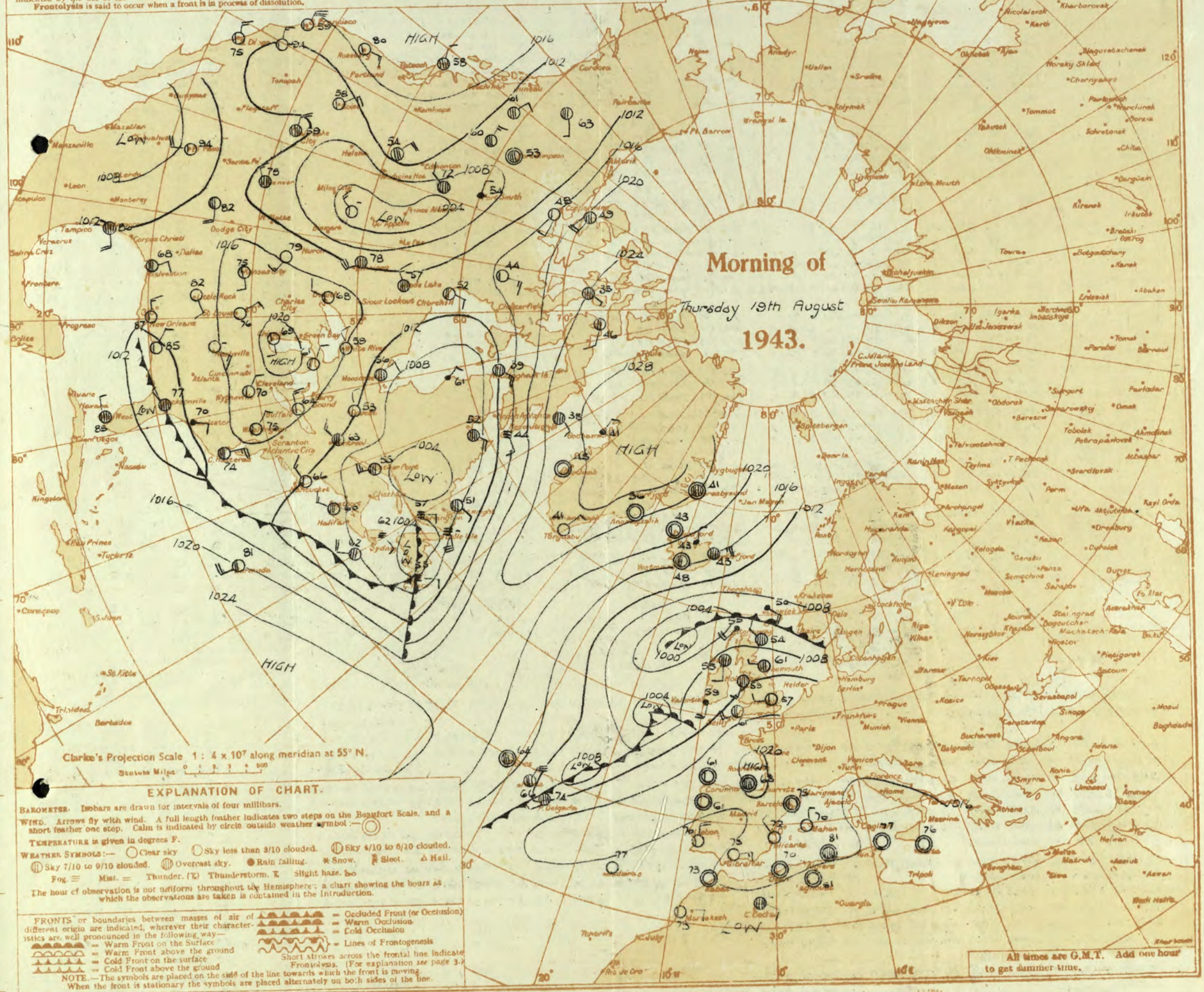
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

All times are G.M.T. Add one hour to get summer time.

BRITISH SECTION

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

Thursday 19th August 1943

No. 29355

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	58	*	*	*	*	*	*	*	*	*
	Croydon ...	290	16·2	+2	W	1	b	57	85	55	7	-	4	-	0	10	-
	S. Farnborough	226	15·8	+2	-	0	c-bc	57	85	54	8	-	3	-	0	7-8	-
	Boscombe Down	417	15·9	-2	-	0	b	56	92	54	7	-	3	-	0	1	-
	Thorney Island	10	15·9	+2	-	0	fg	56	97	55	7	-	3	1	0	2·3	-
	Lympne ..	283	15·9	+2	WNW	2	bf+	57	97	57	3	-	-	1	0	1	-
	Manston ...	154	15·1	+6	W'N	2	bc	60	85	56	7	-	4	2	0	4-6	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	14·4	+8	W'N	2	b	62	75	55	7	-	-	1	0	Tr	-
	Gorleston ...	5	13·5	+2	W'S	2	b	61	75	52	7	-	4	-	0	1	5150
	Mildenhall ...	15	15·0	+4	SW'W	3	b	58	85	53	7	-	-	1	0	Tr	-
	Cranwell ...	203	13·5	0	W'S	2	bc	56	92	53	7	-	-	2	0	4-6	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15·1	+2	SW'W	2	b-bc	64	97	63	7	5	-	1	1	2-3	4000
4	Rosa-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·1	-6	WSW	4	c	61	92	59	7	5	2	-	7-8	9+	1500
	Bristol	209	15·6	-4	SW	2	b-bc	58	92	56	7	-	-	5	0	2-3	-
	Portland Bill ...	32	16·0	-6	SW	4	bc	61	92	59	8	5	-	-	4-6	4-6	4000
	Plymouth ...	86	16·2	-4	SW	1	c	60	97	60	7	5	-	-	9	9	1400
	The Lizard ...	240	15·8	-6	SW	3	c	60	97	60	7	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	163	15·1	-6	WSW	4	c-bc	61	97	61	7	5	5	5	2-3	7-8	1000
	Guernsey ...	175															
6	Pembroke ...	142	13·9	-4	SW	4	c	61	97	60	8	8	-	-	7-8	9+	2500
7	Holyhead (Valley)	32	12·6	-2	SSW	4	z_o	53	97	50	6	5	3	-	4-6	9+	500
	Chester (Sealand)	16	12·7	-2	S	1	c-bc	60	85	53	7	5	3	-	2-3	7-8	4000
8	Manchester ...	230	13·1	+2	S'W	2	c	57	92	55	7	5	-	-	9	9	2500
10	Spurn Head ...	29	12·7	0	W'S	3	bc	*	*	*	7	7	3	-	2-3	4-6	2500
	Catterick (Sc.)...	192	11·4	-6	WSW	2	c	60	85	55	7	5	7	-	2-3	9+	3000
	Tynemouth ...	108	11·0	0	W	1	z_o	61	85	57	6	8	-	-	9+	9+	2500
11	St. Abbs Head	280	09·3	+6	W	4	c-bc	60	75	51	7	5	-	-	7-8	7-8	4000
	Leuchars ...	36	08·9	+2	-	0	c-bc	55	92	53	7	5	7	-	1	7-8	4000
12	Renfrew (Abbots I.)	19	09·3	+2	-	0	c/r	55	92	53	6	5	7	-	7-8	9+	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	10·5	0	W	3	c	60	85	56	8	5	3	-	4-6	9+	2000
13A	Tiree	44	08·4	-2	SW	1	c-bc	55	92	52	7	-	3	-	0	7-8	-
13B	Stornoway ...	12	06·5	-2	SSW	4	pr	55	92	53	7	8	-	-	9+	9+	1200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	08·3	+6	WNW	2	c	54	92	52	8	5	-	-	9	9	4500
	Wick	114	07·5	+2	-	0	fg	52	97	52	8	5	3	-	2-3	4-6	1500
16	Sumburgh ..	19	06·5	-6	E	3	dd	52	97	52	5	5	-	-	10	10	400
17	Blacksod Point	18	02·9	-2	S'W	4	c	59	85	57	8	8	-	-	10	10	1500
18	Malin Head ...	84	08·3	-4	S	2	c	55	85	53	8	5	-	-	10	10	1500
	Aldergrove ...	268	10·4	-2	S'W	2	c	56	85	51	8	5	7	8	4-6	10	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	09·8	-12	S	4	i_o	59	92	57	8	5	7	-	Tr	10	1500
	Roches Point	22	11·6	-8	SW	3	c-bc	58	97	52	8	5	3	-	4-6	7-8	1500

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

Stations	Barom. at M.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)
London (Kew)	15·9	+4	WSW	1	z_o	60	85	54	6	5	-	-	1	1	4000	0	*
Croydon ...	16·3	+2	S	1	b	60	85	56	6	-	-	5	0	1	-	1	*
S. Farnborough	16·1	+4	SW'S	1	b	56	97	55	8	5	4	2	Tr	1	5700	0	*
Boscombe Down	16·3	+2	SSE	1	c-bc F+	53	92	52	1	-	3	-	0	7-8	-	0	*
Thorney Island	16·2	+4	-	0	F	58	92	56	1	-	-	-	10	10	5150	1	*
Lympne ..	16·0	0	N'W	1	z_o	62	85	56	6	-	-	1	0	1	-	0	1
Manston ...	15·7	+6	W'N	1	b	61	85	56	8	5	-	-	Tr	Tr	2000	0	*
Shoeburyness ...	15·8	+4	-	0	z_o	62	85	58	5	-	-	2	0	0	-	0	*
Felixstowe ...	15·4	+6	W	1	z_o	60	85	54	6	-	-	-	0	0	-	0	1
Gorleston ...	14·5	+6	WSW	2	b-bc	59	85	53	7	-	7	-	0	2·3	-	0	2
Mildenhall ...	15·0	+4	SW'S	2	z_o	59	92	57	6	5	3	2	Tr	2·3	4000	0	*
Cranwell ...	15·7	+4	WSW	3	z_o	59	85	55	6	5	-	1	Tr	2·3	2000	0	*
Birmingham ...	14·5	+2	SSW	2	z_o	58	97	57	6	5	3	-	7-8	9+	450	0	*
Upper Heyford	15·2	+2	SW	1	bcf-	54	97	54	3	5	-	-	4-6	4-6	4000	0	*
Rosa-on-Wye	14·2	-4	SSW	3	c-bc	61	85	57	7	7	-	1	7-8	7-8	3500	0	*
Hartland Point	13·2	0	SW	4	bc	60	85	56	8	2	4	8	2-3	4-6	2000	0	4
Bristol	14·9	-2	S	2	bc	61	85	56	8	6	4	6	1	4-6	4000	0	*
Portland Bill ...	16·2	+8	SW	4	c	61	92	59	8	5	-	-	10	10	4000	1	4
Plymouth ...	15·1	0	SSW	1	c	61	97	61	7	5	-	-	9	9+	2500	0	1
The Lizard ...	13·9	-8	SW	4	c-bc	60	97	60	8	8	9	-	7-8	7-8	2500	1	4
Scilly (St. Mary's)	12·9	-6	SW	4	cq	61	97	61	7	5	-	-	9+	9+	800	0	3
Guernsey ...																	
Pembroke ...	12·4	-6	SW	5	$r_o r_o$	60	97	60	7	8	6	-	7-8	9+	1000	1	3
Holyhead (Valley)	11·5	-6	SSW	3	z_o	60	92	58	6	5	9	-	2-3	9+	500	0	3
Chester (Sealand)	12·5	-2	S	2	c	57	85	54	6	5	4	6	4-6	9+	3000	0	*
Manchester ...	13·0	+2	S'W	3	c-bc	57	85	53	7	5	4	6	2-3	7-8	2500	0	*
Spurn Head ...	13·7	+8	SW'W	3	bc	*	*	*	6	-	4	1	2-3	4-6	4000	0	1
Catterick (Sc.)...	11·9	+6	-	0	c-bc	60	85	55	8	5	7	-	4-6	7-8	2500	0	*
Tynemouth ...	11·5	+2	SW	3	z_o	60	85	55	6	-	4	1	0	4-6	-	1	2
St. Abbs Head	09·7	+2	SW	3	c	57	85	53	7	5	4	-	7-8	9	3000	0	3
Leuchars ...	09·3	+4	-	0	c	55	92	53	6	5	7	-	4-6	10	6500	0	*
Renfrew (Abbots I.)	09·5	+6	SSW	2	id_o	57	85	53	6	5	7	-	2-3	10	1800	1	*
Eskdalemuir ...	09·8	+6	SW	1	c	54	92	51	8	5	4	-	7-8	9	1200	0	*
Point of Ayre...	10·4	0	S	2	c	59	85	55	8	5	7	2	4-6	9+	3000	0	1
Tiree	07·4	-2	S	2	c	57	92	56	7	5	3	-	2-3	9	2000	0	1
Stornoway ...	06·3	+2	SSW	3	c-bc	55	92	53	7	8	6	3	4-6	7-8	1500	1	2
Dalwhinnie ...	08·4	0	S	2	c	51	97	50	7	5	5	-	4-6	9+	1500	1	*
Aberdeen † ...	08·8	+8	S	1	c	53	92	52	7	5	9	7	4-6	9+	4000	1	1
Wick	07·4	-2	NNE	1	pr	54	92	52	9	8	7	2	4-6	9	2000	1	*
Sumburgh ..	06·6	+4	SW	1	c/pr	53	97	53	8	5	-	-	9	9	1000	1	3
Blacksod Point	06·1	-6	S	3	bc	58	85	53	8	8	5	6	2-3	4-6	1500	1	3
Malin Head ...	06·9	-6	S'W	4	c	56	85	51	8	5	-	1	7-8	9	1500	1	3
Aldergrove ...	09·4	0	S	1	i_o	57	92	54	7	5	7	-	4-6	9+	1000	1	*
Birr Castle ...	08·8	-2	S	2	c	58	92	56	8	5	1	-	7-8	10	2500	0	*
Valentia Obsy.	06·3	-22	SSE	4	rr	59	97	54	7	9	2	-	4-6	10	1500	1	4
Roches Point	18·9	-12	S	3	c	60	97	59	8	5	-	-	9+	9+	800	1	4

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 18h Hrs. (38)
London (Kew)	77	53	38	-	-	6·3
Croydon ...	80	53	47	-	Tr	8·0
S. Farnborough	78	48	37	-	-	7·8
Boscombe Down	76	48	43	-	-	9·1
Thorney Island	77	51	47	-	Tr	*
Lympne ..	72	53	42	-	-	8·5
Manston ...	80	54	48	0·1	-	6·7
Shoeburyness ...	81	53	51	-	-	7·6
Felixstowe ...	82	57	51	-	-	9·
Gorleston ...	81	54	49	-	-	4·6
Mildenhall ...	79	53	43	-	-	6·1
Cranwell ...	75	54	47	-	-	2·3
Birmingham ...	73	53	42	-	-	5·2
Upper Heyford	77	53	48	-	-	*
Rosa-on-Wye	74	57	52	-	-	6·0
Hartland Point	64	57	56	-	-	5·6
Bristol	73	53	43	Tr	-	8·1
Portland Bill ...	63	58	*	-	-	*
Plymouth ...	67	59	53	-	-	8·8
The Lizard ...	67	58	*	-	-	10·4
Scilly (St. Mary's)	68	59	*	-	-	9·7
Guernsey ...						
Pembroke ...	64	59	*	Tr	2	3·0
Holyhead (Valley)	64	58	56	-	-	*
Chester (Sealand)	69	55	51	-	-	0·3
Manchester ...	69	55	52	-	-	*
Spurn Head ...	*	*	*	-	-	0·5
Catterick (Sc.)...	68	58	53	-	-	0·0
Tynemouth ...	69	59	55	-	-	*
St. Abbs Head	68	55	*	0·2	-	
Leuchars ...	66	53	50	Tr	-	0·0
Renfrew (Abbots I.)	64	53	46	Tr	-	1·1
Eskdalemuir ...	63	51	43	0·3	0·1	3·3
Point of Ayre...	63	54	*	-	-	2·5
Tiree	63	54	49	0·1	-	5·0
Stornoway ...	65	52	51	5	2	2·6
Dalwhinnie ...	61	43	35	-	0·1	0·0
Aberdeen † ...	62	51	44	5	-	0·0
Wick	58	48	41	4	0·6	*
Sumburgh ..	53	50	50	9	8	0·0
Blacksod Point	62	57	*	0·4	0·5	
Malin Head ...	63	54		0·2	-	1·6
Aldergrove ...	68	55		-	0·1	1·4
Birr Castle ...	67	55		0·3	-	0·6
Valentia Obsy.	64	58	56	-	2	0·7
Roches Point	64	58		0·3	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

Station	13h. G.M.T. 18th August			18h. G.M.T.			01h. G.M.T. 19th August			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	5-	63648	44668	5-	51738	16358	53	05744	24385	87	02744	17245
115	51	81735	20488	52	02844	20326				52	81744	20387
203												
206	8-	02864	26226	53	02854	22126	53	02864	000-7	53	02864	20227
210	57	02963	07387	27	02863	24323	03	02890	22285	53	02861	17126
219	53	02755	20487	83	02854	18427	81	81745	17488	87	02854	16437
280	87	02956	20367	87	02854	20387	53	02855	00066	62	51856	00038
245	5-	21628	20168	87	02751	22127	73	02871	2186	57	02851	25127
260	52	05665	20416	83	02865	24526	55	05664	20228	57	02764	20325
278	81	02854	28527	87	02844	18327				57	02852	16227
279	23	02863	22526	25	02853	20526	57	02745	18427	53	02744	18327
285	27	02845	24527	27	02745	22527				27	05625	24527
288	12	02853	20427	17	02863	22328	57	02853	20326	57	02863	18325
578	82	02855	18438	97	02855	22327	97	81856	14428	67	22845	16168
301	57	02855	22426	87	02853	21328	07	05690	20426	57	05653	12327
321	57	05665	26327	77	02763	33337	53	05663	22216	84	05690	18125
298	5-	05647	24027	57	02755	24227						
292	51	02854	24428	57	02853	24428	57	02753	12459	53	05661	20226
310	--	01634	24414							--	03428	20318
614	17	02854	24327	10	02862	24327	07	05590	00025	54	05564	04117

Station	13h. G.M.T. 18th August			18h. G.M.T.			01h. G.M.T. 19th August			07h. G.M.T.		
	IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
388	83	02854	17427	52	02746	18527	57	05637	20228	53	05644	18287
334										--	02646	24217
340	77	02854	22427	47	02853	24235	07	01890	18313	53	02644	16226
136	50	05661	23628	50	02862	25426	03	01890	20113	08	01790	19213
336	13	02754	24416	13	01753	24314				62	62526	20368
350	57	02851	23326	50	01771	22313	04	01790	18101	54	05624	19214
368	53	02845	24356	83	01853	24314	5-	02766	24326	50	01863	22424
379	17	02854	24356	47	01852	20513	50	05623	20313			
390	00	05670	22327	00	01890	26312	00	01790	22201	00	05590	00000
382	57	02853	22326	10	01861	23413	00	01790	00010	53	01873	00044
438	50	02763	23544	57	01763	23514	00	47190	23340	20	05643	16113
430	08	02890	22325	20	01890	20414	5-	05851	26112	5-	47008	00048
409	50	01933	22413	26	01853	22414	57	01844	19314	53	02835	16526

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. † 0th. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 19th August

Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—17h 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 ...	cg	cbcy	bcybmw	
Croydon ...	c	cbcby	bmbcw	
Greenwich ...	bcy⊕	bcby ⊕	by	
Camden Square	c	bc	*	
Kensington ...	bc	bc	*	
Hampstead ...	bc	b	b	

Kew 24 hours ended 9h. Max. Time 0·1 3-19h. Min. Time <0·1 8-19h 18h.

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Today	Humidity 9h % Today
Kew	77	53	38	-	-	6·3	*	*
Croydon	80	53	47	-	Tr	8·0	*	*
Greenwich ..	81	53	39	-	-	7·7	46	55
Westminster ..	79	56	47	-			48	67
Regents Park ..	79	56	48	-	-		45	57
Camden Square	80	56	49	-	-	*	*	63
Kensington ..	80	54	45	-	-		46	62
Hampstead	78	54	45	-	-		*	65

SECRET

Friday 20th August, 1943

No. 29856

Page 1 BRITISH SECTION

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

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

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)	14·0	-12	WSW	2	c-bc	71	55	52	8	8	-	4	4-6	7-8	4000
	Croydon	15·0	-14	S	3	c-bc	75	45	52	8	1	-	-	7-8	7-8	2500
	S. Farnborough	13·4	-18	SW'S	3	bc	73	55	55	8	2	6	1	4-6	4-6	3500
	Boscombe Down	13·9	-16	SSW	4	bc	72	45	50	8	1	-	6	4-6	4-6	3500
	Thorney Island	15·0	-10	S'E	2	bc	69	65	59	8	1	-	5	2-3	4-6	4000
	Lympne	15·3	-12	SSE	2	b	69	65	56	9	1	-	-	1	1	3000
	Manston	14·5	-10	SSE	4	bc	73	55	56	7	1	-	-	4-6	4-6	3100
2	Shoeburyness	15·2	-16	SE	1	b-bc	73	65	59	8	1	-	-	2-3	2-3	4000
	Felixstowe	14·4	-8	S'E	4	b	73	55	57	8	1	-	-	1	1	4000
	Gorleston	14·0	-2	SSE	4	bc	65	75	58	7	2	-	-	4-6	4-6	2700
	Mildenhall	13·4	-10	WSW	3	b-bc	77	35	51	9	1	-	1	2-3	2-3	5000
	Cranwell	12·1	-14	SSW	3	c-bc	75	45	52	8	2	4	5	4-6	7-8	2000
3	Birmingham	12·2	-8	SSW	3	c-bc	71	45	49	8	1	-	6	4-6	7-8	2500
	Upper Heyford	13·1	-14	S'W	3	b-bc	72	45	48	9	1	-	1	7-8	7-8	3500
4	Ross-on-Wye	12·9	-10	SW'S	4	c	72	45	49	8	1	-	7	4-6	9+	3500
5	Hartland Point	11·7	-6	SW	3	c-bc	65	75	55	8	2	6	3	2-3	7-8	2000
	Bristol	13·5	-12	S	3	c	71	45	49	9	4	-	6	4-6	9+	4000
	Portland Bill															
	Plymouth	14·0	-8	SSW	4	c	64	85	60	8	8	7	2	7-8	9+	1500
	The Lizard	12·9	-10	SW	4	c	64	85	61	7	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	11·1	-10	SW'S	4	c/pr	66	92	63	7	8	7	-	9	10	1200
	Guernsey															
6	Pembroke	11·1	-12	S'W	5	c-bc	63	92	60	7	8	3	-	2-3	7-8	1000
7	Holyhead (Valley)	10·9	-6	SSW	4	c	64	85	60	7	5	7	-	4-6	9+	300
	Chester (Sealand)	11·6	-4	SSW	1	c	65	85	59	8	5	7	-	4-6	10	3000
8	Manchester	12·2	-4	SW'S	5	ir_0	66	75	56	8	1	7	-	4-6	10	2000
10	Spurn Head	12·6	-10	SE	3	c	*	*	*	7	7	3	-	4-6	9	4000
	Catterick (Sc)	11·4	-6	SSW	2	c	69	55	54	7	8	7	-	4-6	10	2500
	Tynemouth	11·6	0	SW	3	z_0	66	63	54	6	8	-	-	7-8	7-8	2000
11	St. Abbs Head	09·7	-2	SE	3	c	60	75	52	8	2	7	-	7-8	9+	2500
	Leuchars	09·2	-8	SW	3	c	66	65	54	7	8	7	-	4-6	9+	6500
12	Renfrew (Abbots I.)	08·9	-6	SSW	2	c	64	75	55	7	8	7	-	4-6	9+	2800
	Eskdalemuir	09·4	-6	SSW	4	c	63	75	55	3	7	3	-	7-8	9	2500
	Point of Ayre	08·8	-4	S	3	c	63	85	60	8	2	8	-	Tr	9+	1900
13A	Tiree	07·0	-4	S	3	c	61	85	57	8	7	3	6	2-3	9	2500
13B	Stornoway	06·5	+2	S	4	pr	57	92	54	8	8	7	-	4-6	10	1600
15	Dalwhinnie	08·2	-2	SW	3	c	57	75	49	8	5	3	-	7-8	9+	2500
	Aberdeen	08·9	-6	SSW	1	c-bc	63	65	53	8	8	9	-	2-3	7-8	2500
	Wick	07·8	0	SSE	1	bc	63	75	54	8	3	7	3	1	4-6	2000
16	Sumburgh	08·1	+4	SSE	1	c	57	97	56	8	2	3	-	2-3	9	1000
17	Blacksod Point	04·3	-14	SSE	2	dd	58	97	57	6	6	2	-	4-6	10	1500
18	Malin Head	06·2	-8	S	3	c	61	85	55	8	5	-	-	10	10	1500
	Aldergrove	07·9	- r	S	3	ir_0	63	85	56	7	5	2	-	7-8	10	2000
19	Birr Castle	05·5	-18	S	2	rr	62	92	60	7	6	2	-	7-8	10	800
20	Valentia Obsy.	05·0	-2	S	3	c	61	92	59	8	5	-	-	10	10	800
	Roches Point	05·9	-18	S	6	c/r	61	97	60	7	5	-	-	9+	9+	800

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

Stations	Barom. at M.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)	12·4	-8	SW	4	c-bc	69	55	53	8	5	-	3	1	7-8	4000	0	*
Croydon	13·5	-10	S'W	3	c-bc	68	65	57	8	4	-	5	Tr	7-8	4000	0	*
S. Farnborough	12·6	-2	SW	3	c-bc	67	55	53	9	1	4	6	Tr	7-8	4000	0	*
Boscombe Down	13·1	-4	SSW	3	c	65	65	53	9	1	3	6	2-3	9	4000	0	*
Thorney Island	13·6	-14	SSW	3	c-bc	63	85	60	9	4	-	6	2-3	7-8	2500	0	*
Lympne	14·1	-8	SSW	2	b-bc	63	85	57	8	-	-	1	0	2-3	-	0	2
Manston	13·7	-6	S'E	4	b-bc	68	65	56	8	-	-	3	0	2-3	-	0	*
Shoeburyness	13·4	-14	SE	2	b-bc	70	65	59	8	-	7	2	0	2-3	-	0	*
Felixstowe	13·3	-6	SSE	4	bc	67	75	58	8	-	-	2	0	4-6	-	0	4
Gorleston	12·6	-10	S	4	c-bc	66	85	61	7	-	-	5	0	7-8	-	0	4
Mildenhall	11·5	-10	SW'S	3	c	74	55	54	8	5	-	8	7-8	9+	4000	0	*
Cranwell	10·8	-6	SW'S	3	c	72	45	48	9	4	6	8	2-3	9+	3000	0	*
Birmingham	11·2	-8	SSW	3	c-bc	69	55	54	8	5	5	-	1	7-8	2500	0	*
Upper Heyford	11·6	-10	SW'S	3	c	70	45	49	9	4	5	8	1	9	5000	0	*
Ross-on-Wye	11·3	-14	SW	3	c	66	65	53	8	5	7	1	1	9	3500	0	*
Hartland Point	09·6	-14	SSW	3	c-bc	64	65	49	8	5	6	-	4-6	7-8	1500	0	4
Bristol	12·2	-10	SSW	3	c	65	75	55	8	5	7	2	4-6	9+	5500	0	*
Portland Bill	13·1	-12	S	3	c	62	85	59	8	2	4	-	4-6	9	4000	1	3
Plymouth	11·8	-12	SSE	3	c	63	85	59	8	2	4	2	2-3	9	1500	0	2
The Lizard	10·8	-12	S	4	bc	62	92	60	8	5	4	2	4-6	4-6	2500	0	4
Scilly (St. Mary's)	08·9	-16	S	5	c	62	92	60	7	5	7	3	7-8	9+	1200	0	4
Guernsey																	
Pembroke	08·9	-10	S'W	6	d_0d_0	60	97	60	7	8	-	-	9	9	2000	1	2
Holyhead (Valley)	08·3	-26	S'W	5	c	63	85	57	8	8	3	-	2-3	9	2000	0	3
Chester (Sealand)	09·7	-14	SSW	2	c-bc	69	55	54	9	8	3	6	4-6	7-8	3000	0	*
Manchester	09·9	-14	SSW	4	bc	70	55	53	8	2	6	2	2-3	4-6	3000	0	*
Spurn Head	11·4	-10	SE	3	c	*	*	*	7	7	3	-	7-8	9	4000	0	2
Catterick (Sc)	10·5	-8	S	1	z_0	66	75	57	6	5	7	-	7-8	9	2500	0	*
Tynemouth	11·0	-8	SW	3	z_0	67	65	55	6	8	-	-	9	9	2000	0	2
St. Abbs Head	08·8	-2	SSW	3	c	63	75	54	8	5	9	-	7-8	9+	2500	0	3
Leuchars	08·6	-2	-	0	r_0r_0	61	85	58	6	5	2	-	2-3	10	1500	1	*
Renfrew (Abbots I.)	07·9	-6	S	1	r_0r_0	61	92	57	6	6	2	-	4-6	10	1000	1	*
Eskdalemuir	08·4	-8	S'W	3	ir	59	92	57	6	6	2	-	4-6	10	500	1	*
Point of Ayre	08·8	-4	SW	4	c	64	85	60	8	2	7	2	Tr	9+	1600	0	2
Tiree	06·6	-12	SSE	3	r_0r_0	57	97	57	7	5	7	-	2-3	10	600	1	2
Stornoway	06·9	+6	S	3	c	57	85	53	8	5	-	-	10	10	1600	1	2
Dalwhinnie	07·2	-4	S	3	ir_0	55	92	52	7	5	2	-	2-3	10	2500	1	*
Aberdeen	08·9	-2	S'W	2	c	59	75	51	7	5	7	-	7-8	10	4000	1	1
Wick	07·8	-2	SSE	1	c	57	92	55	8	5	7	8	4-6	9+	2000	0	*
Sumburgh	08·7	+2	SSW	2	c-bc	56	92	53	8	-	3	6	0	7-8	-	0	2
Blacksod Point	02·5	-10	S'W	3	c	60	85	56	8	5	-	-	9+	9+	1500	1	3
Malin Head	02·8	-26	SE	3	ir	59	92	57	8	-	2	-	10	10	1500	1	2
Aldergrove	04·4	-26	SE	3	ir_0	60	97	59	6	5	2	-	9	10	1800	1	*
Birr Castle	03·6	-4	S	2	ir	64	92	62	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	01·8	-26	SSE	4	dr	61	92	59	7	5	2	-	7-8	10	1500	1	2
Roches Point	04·9	-10	S'W	4	rr	60	97	60	6	6	2	-	4-6	10	800	1	5

PAST 24 HOURS.

Stations	Weather 7h.—13h. 19th (39)	13h.—18h. 19th (40)	18h 19th to 1h 20th (41)	1h.–7h. 20th (42)
London (Kew)	bm_0bcy	bcy	bcybc	$bccm_0$
Croydon	bcycy	bcyb	cbccc	ccm_0w
S. Farnborough	bbcvybcy	bcyc	cbcc	$bcwcm_0bc$
Boscombe Down	$cFbcm_0cbc$	bcycyc	cbbc	$cm_0bcm_0cm_0$
Thorney Island	bcbbc	bc	bccw	cwbcw
Lympne	bcbyv	bybyvb	bbc	$bccbcm_0w$
Manston	$bbcz_0y$	bcby	bybc	ccm_0w
Shoeburyness	bz_0bcy	bc	bc	bcm_0
Felixstowe	bcyby	bybcybc	bcy	cbc
Gorleston	bc	bcc	cbcw	bc
Mildenhall	bbcy	bcycy	cybcybc	bcm_0bc
Cranwell	bcy	cyv	$cybcbcm_0$	$bcmcm_0bc$
Birmingham	cbcc	cbcc	cbc	bcc
Upper Heyford	bcFwbc	cy	cycbcc	ccm_0bcm_0
Ross-on-Wye	cbccy	cy	cbcc	bcc
Hartland Point	bco	cr_0	cbcc	crrP
Bristol	bcsy	cyc	cbcw	cwc
Portland Bill		cc	cc	c
Plymouth	c	c	c	cm_0
The Lizard	cffc	cbc	corr	crr
Scilly (St. Mary's)	cp_0c	cir_0c	cir_0r	circ
Guernsey				
Pembroke	c	$cr_0r_0d_0d_0$ cbc	cir_0 $cr_0r_0cir_0$	cPR_qrcm_0 ++crr
Holyhead (Valley)	c	cy	ck	$cr_0r_0m_0$
Chester (Sealand)	cm_0pr_0	ir_0cbcy	bcyc	$r_0r_0m_0c$
Manchester	$bccir_0$		bc	bc
Spurn Head	c	c	bcm_0	cm_0cm
Catterick (Sc)	c	c		cm_0
Tynemouth	cm_0	cm_0	cm_0	
St. Abbs Head	c	c	cr_0	cr_0m_0
Leuchars	cm_0c	$cr_0r_0cr_0r_0$	$r_0r_0ccr_0r_0$	$r_0r_0crrm_0$
Renfrew (Abbots I.)	cm_0ccy	$cr_0r_0m_0$	$r_0r_0(d_0cm$	$cm_0r_0r_0)d_0d_0$
Eskdalemuir	cpr_0c	$crpRrm_0$	cir_0m_0	cr_0m
Point of Ayre	c	c	rr	odd
Tiree	bcc	$ccir_0m_0$	cir_0bc	$bccr_0r_0d_0d_0$
Stornoway	$bccpr_0$	ctr_0c	cd_0	$cidm_0c$ Oir
Dalwhinnie	cpr_0	cir_0o		
Aberdeen	$ccpr_0c$	c	or_0rrvr	exr_0
Wick	cpr_0cbc	bcjpc ⊕	cir_0m_0	$om_0om_0id_0$
Sumburgh	cpr_0id_0c	cbc	c	cir_0c
Blacksod Point	d	c	c	Hr
Malin Head	c	r	↑	↑
Aldergrove	ir_0cir_0c	$r_0r_0m_0ir_0$	$ccid_0ir_0$	$r_0r_0m_0cd_0d_0$
Birr Castle	cirrr	r		↑
Valentia Obsy.	r	r	↑	↑
Roches Point	r	r	↑	↑

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

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

GENERAL INFERENCE

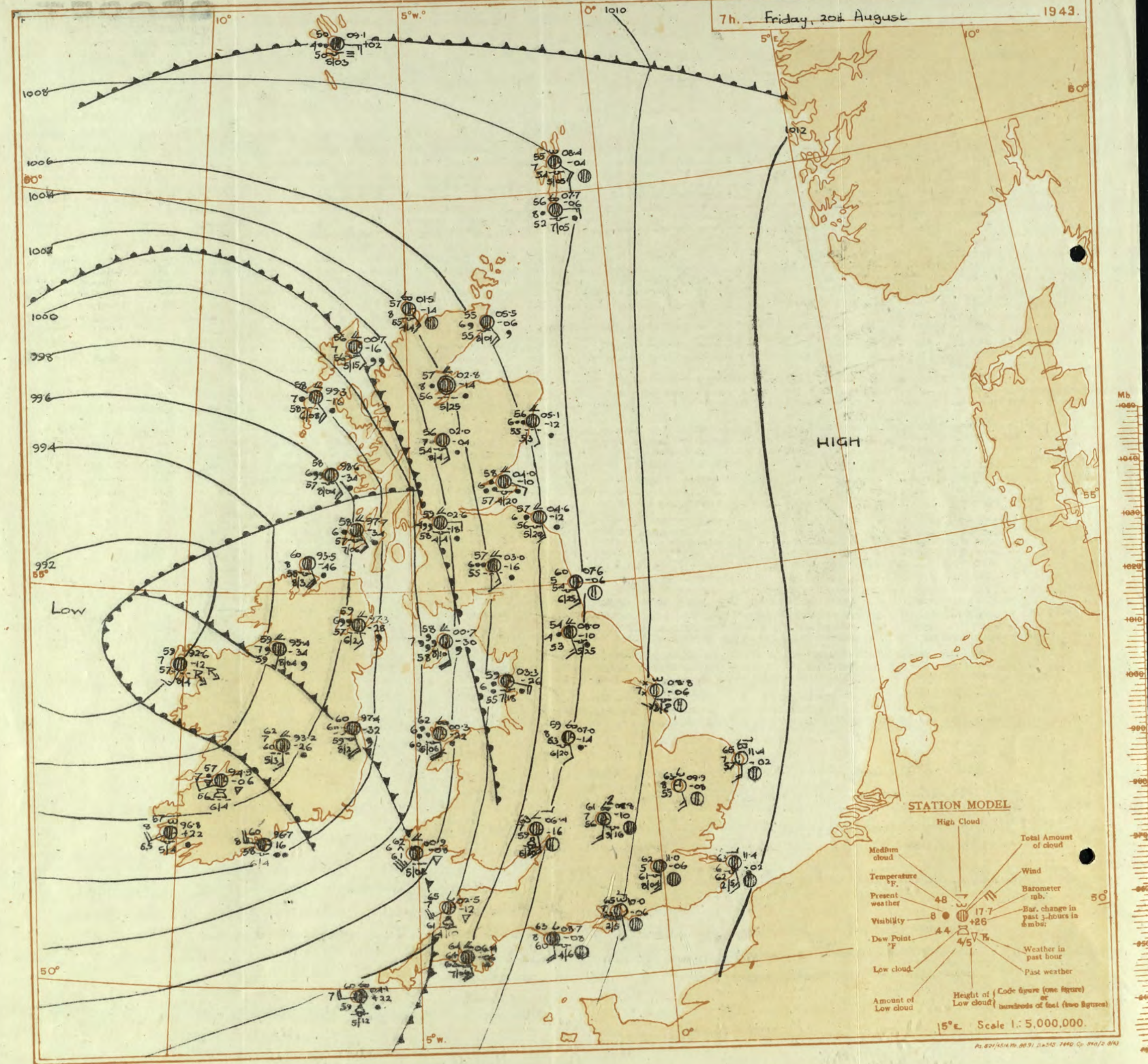
A depression off Northwest Ireland is moving northnortheast. There will be rain in the North at first followed by showery conditions. In the South there will be occasional rain and local thunder.

FURTHER OUTLOOK

Showers in the North; fair in the South.

Forecasts issued at 1030

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Friday 20th August, 1943

No. 20856

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

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	13·0	-6	SSW	3	c	58	85	54	7	5	7	2	4·6	9+	3500
	S. Farnborough	225	11·7	-10	SE'S	1	c	57	92	55	7	5	7	-	2·3	9+	2000
	Boscombe Down	417	12·2	-6	SSE	2	c-bc	56	97	55	7	5	4	6	Tr	7·8	3000
	Thorney Island	10	12·1	-10	E	1	c	59	97	58	8	4	-	6	2·3	9+	4000
	Lympne ..	283	13·2	-2	SSE	2	bc	59	92	57	7	5	-	6	1	4·6	4000
	Manston ...	154	12·7	-6	SSE	3	bc	59	92	56	6	-	-	8	0	4·6	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	12·6	-4	SSE	2	bc	67	85	62	8	-	7	7	0	4·6	-
	Gorleston ...	5	12·2	0	SSW	2	bc	61	92	58	7	-	7	-	0	4·6	-
	Mildenhall ...	15	11·3	-2	S	2	bc	60	85	54	7	-	7	-	0	4·6	-
	Cranwell ...	203	10·4	-2	WSW	1	Z_0	54	85	50	6	-	3	2	0	4·6	3000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	11·1	-6	SSW	2	c	57	85	54	7	-	7	8	0	9	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	05·3	-32	SSE	5	c	62	85	57	8	5	-	-	9	9	1500
	Bristol ...	209	10·4	-10	E	1	c	55	97	55	7	-	7	8	0	9	-
	Portland Bill ...	32	11·0	-16	E	4	c-bc	61	85	58	8	4	4	-	4·6	7·8	4000
	Plymouth ...	86	08·4	-22	SE	3	c	63	92	61	7	5	7	-	9	10	1500
	The Lizard ...	240	07·5	-16	S	5	r_0r_0	61	92	59	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	04·6	-20	SSW	5	c/r	62	92	61	6	5	-	-	9+	9+	800
	Guernsey ...	175															
6	Pembroke ...	142	05·0	-24	SSE	6	c	60	92	58	7	8	-	-	9	9	1800
7	Holyhead (Valley)	32	05·7	-22	SE	5	r_0r_0	62	95	58	7	5	2	-	2·3	10	2500
	Chester (Sealand)	16	08·1	-14	S	2	c	61	85	55	7	5	3	-	7·8	10	5700
8	Manchester ...	230	09·4	-6	SE	3	bc	59	75	53	8	5	3	1	2·3	4·6	3000
10	Spurn Head ...	29	10·3	-6	S	3	bc	*	*	*	7	7	3	-	4·6	4·6	4000
	Catterick (Sc.) ...	192	09·9	-6	-	0	Z_0	52	97	51	6	-	3	-	0	7·8	-
	Tynemouth ...	108	09·5	-12	S	3	Z_0	61	85	57	6	5	3	-	7·8	9	2500
11	St. Abbs Head	280	07·2	-16	SE	2	$i r_0$	58	92	55	7	5	2	-	7·8	10	2500
	Leuchars ...	36	06·5	-18	E	1	r_0r_0	58	97	57	7	5	2	-	4·6	10	2500
12	Renfrew (Abbotsl.)	19	05·6	-10	SSE	2	Z_0	61	92	58	5	5	2	-	7·8	10	1600
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	06·4	-6	SW	3	rr	59	97	59	8	6	-	-	10	10	1600
13A	Tiree ...	44	02·3	-10	SSE	3	c-bc	57	97	57	7	5	7	-	4·6	7·8	2000
13B	Stornoway ...	12	04·3	-18	ENE	3	id_0	56	92	53	7	5	7	-	7·8	10	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	07·4	-10	SSE	1	r_0r_0	55	97	55	5	5	2	-	7·8	10	700
	Wick ...	114	07·1	-2	SE	2	c	55	97	55	6	5	7	-	7·8	10	2500
16	Sumburgh ..	19	09·0	0	E	2	c	54	92	53	8	-	3	-	0	9+	-
17	Blacksod Point	18	97·5	-30	SSE	3	c	59	92	57	8	6	-	-	9+	9+	1500
18	Malin Head ...	84	01·1	-10	S	2	c	60	92	58	8	8	-	-	9	9	1500
	Aldergrove ...	268	03·7	-10	SE'S	3	r_0r_0	59	92	57	6	5	2	-	4·6	10	1000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	96·8	-26	SE	3	c/d	61	97	61	6	5	-	-	10	10	1500
	Roches Point	22	99·6	-18	SE	5	dr	61	97	61	6	5	-	-	10	10	450

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

Stations	Barom. at M.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)	10·1	-4	SW	2	Z_0	64	85	61	6	8	1	6	4·6	9+	2500	0	*
Croydon ...	11·0	-6	S	3	Z_0	62	92	61	5	5	-	-	10	10	400	0	*
S. Farnborough	09·9	-2	S	2	Z_0	62	92	59	6	5	7	9	Tr	7·8	900	0	*
Boscombe Down	09·3	-14	S	2	Z_0	61	92	58	6	5	7	-	4·6	7·8	500	0	*
Thorney Island	10·0	-6	SSE	1	bc	65	85	62	7	5	3	5	1	4·6	2500	0	*
Lympne ..	11·7	+2	SSW	2	Z_0	62	92	61	5	5	-	3	1	4·6	500	0	3
Manston ...	11·4	-2	S'E	3	Z_0	63	85	59	6	5	-	8	2·3	7·8	3000	0	*
Shoeburyness ...	11·2	-4	S'W	2	Z_0	65	85	61	6	-	7	3	0	2·3	-	0	*
Felixstowe ...	11·8	-4	S'E	4	b-bc	66	85	60	8	-	-	5	0	2·3	-	0	3
Gorleston ...	11·4	-2	S'W	3	b-bc	65	75	57	7	-	7	1	0	2·3	-	0	3
Mildenhall ...	09·9	-8	SSE	3	b	63	75	55	8	-	4	-	0	1	-	0	*
Cranwell ...	08·5	-8	S'E	3	bc	61	75	53	7	5	7	1	1	4·6	4000	0	*
Birmingham ...	07·1	-10	SSE	3	c	61	85	56	8	5	4	8	4·6	9	1500	0	*
Upper Heyford	08·8	-10	S'W	3	c	61	86	56	7	5	7	6	2·3	9	4000	0	*
Ross-on-Wye	06·4	-16	SSE	3	c	63	85	59	7	8	1	8	7·8	9	3000	0	*
Hartland Point	02·0	-12	SW	5	c	65	85	61	7	8	4	-	4·6	9	1000	1	4
Bristol ...	07·5	-14	S	4	c	64	85	61	7	5	4	9	7·8	9+	1500	0	*
Portland Bill ...	08·7	-8	S	4	c	63	85	60	8	5	4	-	4·6	10	4000	1	
Plymouth ...	06·4	-6	S'E	4	Z_0	64	97	63	6	5	2	-	9+	10	600	1	2
The Lizard ...	05·7	+4	SW	6	r_0r_0	62	97	62	6	5	-	-	10	10	1000	1	5
Scilly (St. Mary's)	04·1	+22	WSW	4	c	60	92	59	7	8	7	-	7·8	9+	1200	1	5
Guernsey ...																	
Pembroke ...	00·9	-8	SSW	7	cq	62	97	61	6	6	2	-	7·8	10	800	1	5
Holyhead (Valley)	00·3	-22	S'E	7	r+	62	92	60	6	5	7	-	7·8	9+	600	1	5
Chester (Sealand)	04·5	-22	S	5	c/r	58	92	56	7	5	7	6	4·6	9	3000	0	*
Manchester ...	05·3	-30	SSE	4	c-bc	60	85	55	8	5	3	6	1	9	2500	1	*
Spurn Head ...	08·8	-6	SSW	3	bc	*	*	*	7	7	3	-	2·3	4·6	4000	0	2
Catterick (Sc.) ...	08·0	-10	S	1	ir_0	54	97	53	4	5	2	-	7·8	10	2500	0	*
Tynemouth ...	07·6	-6	S	3	Z_0	60	85	54	5	5	-	-	9	9	2500	1	2
St. Abbs Head	04·6	-12	SSE	3	$i r_0$	57	97	56	6	5	2	-	7·8	10	2000	1	3
Leuchars ...	04·0	-10	ESE	1	rr	58	97	57	6	5	2	-	4·6	10	2000	1	*
Renfrew (Abbotsl.)	02·8	-18	E	2	d_0d_0	59	92	58	4	5	2	-	4·6	10	1200	1	*
Eskdalemuir ...	03·0	-16	SSE	3	r_0r_0	57	92	55	6	6	2	-	4·6	10	700	1	*
Point of Ayre ...	00·7	-30	S'E	6	DD	58	97	58	7	-	2	-	10	10	1000	1	3
Tiree ...	98·6	-34	SE	4	d_0d_0	58	97	57	6	5	-	-	10	10	400	1	3
Stornoway ...	00·7	-16	SE	2	c/d	56	97	56	7	5	2	-	7·8	9+	1500	1	1
Dalwhinnie ...	·	-4	SSE	3	0	56	92	54	7	5	-	-	10	10	1500	1	*
Aberdeen † ...	05·1	-12	SSE	1	r_0r_0	56	97	55	6	6	2	-	7·8	10	800	1	2
Wick ...	05·5	-6	SE	4	id_0	55	97	55	6	5	-	-	10	10	100	1	*
Sumburgh ..	07·7	-6	E'S	3	$i r_0$	56	85	52	8	5	7	-	9+	10	500	1	2
Blacksod Point	92·6	-12	SSW	3	c/Hr	59	92	57	7	6	-	-	10	10	1500	2	3
Malin Head ...	93·5	-16	SSE	6	c	60	92	58	8	5	-	-	10	10	800	2	4
Aldergrove ...	97·3	-28	SSE	3	d_0d_0	59	97	57	6	6	2	-	9	10	450	1	*
Birr Castle ...	93·2	-26	S	3	c	62	92	60	7	6	2	-	7·8	10	800	1	*
Valentia Obsy.	96·8	+22	SW	4	c	57	92	55	8	5	3	-	7·8	9	1500	1	3
Roches Point	96·7	+16	W	5	c/r	60	92	58	8	5	-	-	9	9	1500	1	5

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 19th Hrs. (38)
London (Kew)	75	55	45	-	-	9·1
Croydon ...	77	57	53	-	-	11·7
S. Farnborough	76	51	48	-	-	11·2
Boscombe Down	73	53	50	-	-	9·6
Thorney Island	71	56	50	-	Tr	*
Lympne ..	71	55	47	-	-	12·8
Manston ...	73	57	54	-	-	12·4
Shoeburyness ...	75	56	48	-	-	12·4
Felixstowe ...	74	57	52	-	-	[illegible]·5
Gorleston ...	73	66	53	-	-	11·6
Mildenhall ...	79	56	40	-	-	10·0
Cranwell ...	78	51	43	-	-	8·7
Birmingham ...	72	56	49	-	-	0·7
Upper Heyford	74	54	51	-	-	*
Ross-on-Wye	72	55	49	-	-	5·9
Hartland Point	68	58	57	0·1	3	2·1
Bristol ...	73	54	52	-	-	9·5
Portland Bill ...	63	58	*	-	-	*
Plymouth ...	64	59	55	-	0·1	3·2
The Lizard ...	64	60	*	-	2	2·6
Scilly (St. Mary's)	67	60	*	0·3	5	4·3
Guernsey ...						
Pembroke ...	64	59	*	8	5	1·4
Holyhead (Valley)	67	59	58	-	4	*
Chester (Sealand)	71	58	56	1	1	3·1
Manchester ...	71	59	56	Tr	1	*
Spurn Head ...	*	*	*	-	*	7·2
Catterick (Sc.) ...	69	51	46	Tr	Tr	2·0
Tynemouth ...	71	57	55	-	-	*
St. Abbs Head	66	56	*	-	1	*
Leuchars ...	67	57	51	0·6	7	0·0
Renfrew (Abbotsl.)	66	58	57	0·2	5	0·0
Eskdalemuir ...	64	55	54	2	4	2·2
Point of Ayre ...	67	57	*	-	15	1·4
Tiree ...	62	55	54	0·4	2	4·4
Stornoway ...	60	54	47	0·1	0·3	0·9
Dalwhinnie ...	59	53	43	0·5	3	0·9
Aberdeen † ...	65	54	53	Tr	7	1·1
Wick ...	65	54	53	Tr	1	*
Sumburgh ..	59	53	50	0·2	Tr	1·7
Blacksod Point	62	58	*	1	15	*
Malin Head ...	61	56		7	2	0·2
Aldergrove ...	63	56	56	4	4	0·0
Birr Castle ...	64	59	58	12	4	0·2
Valentia Obsy.	63	55	54	8	7	0·0
Roches Point	63	50	*	5	8	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 19th August: III	$C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 20th August: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
109				57	02866	07959	57	02645	14226	57	05645	12528
115	24	02854	20478	52	02954	20227	57	02944	12327	57	02844	12326
203							5-	03838	08428	5*	03948	08268
206				52	02950	00028	52	02754	00068	62	61855	00068
210	26	25865	01286	52	02966	20128	52	61865	12368	57	62868	11368
219	93	10744	18426	87	02865	14326	62	52637	12368	62	61736	12468
230	87	02944	18128	52	64716	10168	52	22845	30263	57	64746	10268
245				57	62643	10268	52	62633	07168	62	62537	10268
260	27	02854	20325	5-	61658	00068	5-	31548	20358	5-	61428	06168
278	57	61836	16227	5-	62728	12368	02	64638	49368	5-	64518	45568
279				57	02864	18366	52	62646	18268	52	61744	14368
285	27	02745	24467	27	81635	22487				6-	63528	14486
288				49	02861	19327	07	01790	00015	07	22690	16367
575	62	64644	16168	71	22844	00067	62	64635	17368	02	51728	18358
301	57	02765	16467	53	02864	14255	52	61755	14228	5-	63647	10467
321	57	02755	22228	87	06764	18226	04	05690	18214	53	22763	12364
299				53	02754	16316	03	05690	22211	84	81755	22385
292	51	05653	22328	07	02790	00025	04	05690	14214	57	22654	12368
310	--	02628	20688							--	01644	24514
614	26	02755	20226	23	02866	20227	04	05690	00025	53	02763	14226

13h. G.M.T. 19th August: III	$C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 20th August: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
388	83	05646	17457	57	58625	17528	53	16754	16568	62	64625	17668
334				--	02645	26216				--	64437	22468
340	87	02953	20457	77	02854	18425	04	01890	16414	57	10753	45525
136	20	01964	20414				03	02890	18225	08	01890	16212
336	13	02753	20316	63	02754	16416				57	02756	20428
850	10	01854	20314	43	02862	18316	04	02790	16128	03	01790	14313
368				57	02953	20213	57	16314	10459	52	02744	51428
379										57	02746	47617
390	10	02864	18314	01	02790	16225	07	05690	16127	5-	05655	14325
382	10	01855	18315	17	02961	19327				17	02861	00027
438	08	05680	18202	54	01663	20214	04	02890	00027	14	01763	20214
430	10	01843	18213	00	02990	18225	57	02754	06228			
409	57	22835	16528	54	02965	15569	52	62754	19668	50	61625	50568

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 20th August
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 9h. Max. Time Lowest of period Min. Time
Kew ..	bm$_0$bcy	bcy	bcycm$_0$	
Croydon ...	bcycy	bcyb	cbcm$_0$w	
Greenwich ...	bcy	bcc ⊕	cbcbc	
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 ...	75	55	45	-	-	9·1	*	*
Croydon ...	77	57		-	-	-	*	*
Greenwich ...	79	55	44	-	-	11·6	40	68
Westminster ...	79	56	54	-	-	*	47	73
Regents Park ...	77	59	52	-	-	*	43	67
Camden Square	79	58	51	-	-	*	*	73
Kensington ...	78	57	52	-	-	*	50	71
Hampstead ...	76	58	53	-	-	*	*	74

Page 1 **BRITISH SECTION**

SECRET

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

Saturday, 21st August 1943

No. 29857

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

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)	08·7	-10	SSW	3	c-bc	75	55	55	8	5	3	4	2·3	7-8	4000
	Croydon	10·3	-2	SSE	4	bc	79	45	57	8	-	7	4	0	4-6	-
	S. Farnborough	08·8	-10	WSW	4	c	77	45	57	8	1	7	8	Tr	9	3500
	Boscombe Down	08·9	-2	S'W	3	iro	67	85	60	7	5	2	-	7-8	10	1400
	Thorney Island	10·1	-6	S	3	cbco r	70	75	61	8	1	7	3	Tr	7-8	2500
	Lympne	10·7	-8	S'E	2	b-bc	72	75	63	8	-	-	3	0	2-3	-
	Manston	10·6	-6	S'W	4	c-bc	78	45	53	8	-	7	2	0	7-8	-
2	Shoeburyness	10·6	-10	S'W	2	bc	80	55	62	8	-	7	-	0	4-6	-
	Felixstowe	10·1	-6	SSE	3	c-bc	71	75	63	8	-	1	6	0	7-8	-
	Gorleston	09·6	-6	SSE	4	c-bc	67	85	61	7	-	7	-	0	7-8	-
	Mildenhall	08·6	-2	S'W	3	c	78	55	60	8	-	7	8	0	9+	-
	Cranwell	06·7	-8	S	6	c	74	55	57	8	7	7	-	7-8	10	4000
3	Birmingham	06·6	0	SSW	4	o	67	75	59	8	6	-	-	10	10	1500
	Upper Heyford	07·6	-10	SSW	4	iro	73	55	57	8	5	7	-	7-8	9+	3000
4	Ross-on-Wye	06·6	0	S	4	iro	65	85	60	6	6	-	-	10	10	2000
5	Hartland Point	05·3	+2	WSW	4	c	62	85	58	8	5	6	-	7-8	9+	1500
	Bristol	07·5	-4	S	4	iro	65	92	63	8	5	7	-	9	9+	900
	Portland Bill	08·7	-2	S	4	id	63	92	61	8	5	-	-	10	10	2500
	Plymouth	07·5	0	SW	3	iro	62	97	61	7	5	7	-	2-3	10	1500
	The Lizard	06·7	0	SW	4	c	61	85	58	7	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	05·7	+2	SW	4	c-bc	66	75	58	8	5	2	3	2-3	7-8	1600
	Guernsey															
6	Pembroke	04·7	+8	SW'S	4	cq	62	85	56	7	2	6	-	7-8	10	2000
7	Holyhead (Valley)	02·3	+20	SW'S	7	bc	64	75	55	7	8	-	2	1	4-6	1200
	Chester (Sealand)	04·2	0	WSW	4	bc	75	45	52	8	2	-	1	4-6	4-6	2500
8	Manchester	04·1	-6	S'W	5	c/pr	69	75	61	6	2	6	-	7-8	9+	3000
10	Spurn Head	07·1	-12	S'E	3	c	*	*	*	7	7	3	-	9	9+	4000
	Catterick (Sc)	03·7	-12	S	4	bc/r	69	75	61	6	5	-	5	4-6	4-6	2500
	Tynemouth	02·6	-20	S	6	zo	68	75	61	6	8	-	-	7-8	7-8	2500
11	St. Abbs Head	00·3	-18	S	4	c-bc	65	85	59	6	2	6	-	4-6	7-8	2500
	Leuchars	99·2	-26	SE	4	c/r	65	85	61	7	7	1	-	4-6	10	2500
12	Renfrew (Abbots I.)	97·3	-30	S	5	c	67	75	59	8	5	-	-	9+	9+	1800
	Eskdalemuir	99·6	-10	SSW	8	c	64	75	56	8	5	3	-	9	9	2100
	Point of Ayre	00·1	+10	SW	6	c	64	85	60	8	2	4	5	2-3	9+	1800
13A	Tiree	92·8	-28	SE	5	rr	58	97	58	5	6	2	-	9	10	400
13B	Stornoway	95·7	-30	SE	4	rr	58	92	56	6	5	2	-	4·6	10	1500
15	Dalwhinnie	97·0	-30	SSE	4	roro	60	85	55	7	5	6	-	4-6	7-8	1500
	Aberdeen	00·8	-22	SSE	3	ido	57	97	57	6	6	2	-	7-8	10	800
	Wick	00·9	-28	ESE	3	rr	55	97	55	5	-	2	-	10	10	200
16	Sumburgh	05·7	-16	E	5	roro	56	97	55	6	6	2	-	4-6	10	400
17	Blacksod Point	94·3	+10	SSW	5	r/d	61	85	57	8	8	-	-	9+	9+	1500
18	Malin Head	93·2	+10	SSW	4	cjp	63	85	59	8	3	-	-	9+	9+	1500
	Aldergrove	96·9	+32	SSW	5	pr	63	75	57	9	8	-	-	7-8	9+	2000
19	Birr Castle	97·7	+10	SSW	4	bc	68	65	56	8	4	-	-	4-6	4-6	1500
20	Valentia Obsy.	99·1	+12	SSW	5	r/pr	60	92	58	8	2	-	-	9+	9+	1500
	Roches Point	01·0	+8	SW'W	5	bc	63	85	59	8	3	-	-	4-6	4-6	1500

OBSERVATIONS at 18h. G.M.T. 20th August — 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. 20th (39)	Weather 13h.–18h. 20th (40)	Weather 18h 20th to 1h 21st (41)	Weather 1h.–7h. 21st (42)
London (Kew)	08·0	-2	S'W	2	c	71	65	59	8	5	7	3	4-6	9+	4000	0	*	cbcy	cyc	c	rorroroiro
Croydon	09·6	+2	S'E	2	c	72	65	60	8	-	7	-	0	9+	-	0	*	cy	bcycyc	cmoiro	crogc
S. Farnborough	08·1	-2	SSW	2	c	70	65	59	8	5	7	8	4-6	9+	5700	0	*	bccy	cyc	cirorocr	crormo
Boscombe Down	08·4	-4	S	2	roro	64	85	60	7	5	2	-	9	10	2500	1	*	ceirocroir	circerro	crorormorc	crmcrocrmo
Thorney Island	08·8	-12	ESE	1	c	68	85	62	8	-	7	-	0	9	-	0	*	bcwbcc	cbcwbcc	crerr	crrc
Lympne	09·0	-8	NNW	1	c	70	75	60	8	3	7	8	Tr	9+	4000	0	*	bcmc	bcc	bcc	cHRprf
Manston	09·3	-2	SW	3	c	75	45	52	8	-	5	7	0	9+	-	0	*	bcmcy		cytcbc	cplrrmo
Shoeburyness	09·6	-4	S	2	c	73	65	62	8	5	7	-	4-6	10	5700	0	*	bcmoc	bcyc	c	cHrmo
Felixstowe	08·8	-6	S	4	c	71	75	63	8	5	7	9	Tr	9+	4000	0	3	bbcc	cbcc	cbcc	crlrrcpro
Gorleston	08·1	-6	S	3	c	70	75	61	7	-	7	-	0	9+	-	0	4	bceq	cqc	clw	cHeirr
Mildenhall	07·2	-2	SW'S	3	c	78	55	58	8	5	7	-	9	9+	5700	0	*	bccy	cy	cyc	cHroromo
Cranwell	06·5	+2	SW	4	roro	67	85	62	7	5	2	-	7-8	10	2500	1	*	cy	crcircro	errmo	croromo
Birmingham	06·8	0	SW	2	iro	61	92	59	8	6	-	-	9+	9+	800	1	*	ciro	brroc	biro	roro
Upper Heyford	07·1	+6	SSW	3	roro	67	92	63	7	5	7	-	2-3	10	2800	1	*	c	cyrrmo	croromo	croromo
Ross-on-Wye	07·5	+4	SW'W	2	o	62	97	61	7	6	-	-	10	10	4000	/	*	circ	crrRc	rocro	rrcrocro
Hartland Point	05·5	-6	S	3	c	63	85	57	8	5	-	-	9	9	2000	0	3	ciro	c	roroc	roroc
Bristol	07·1	-4	S	3	roro	64	92	62	7	6	2	-	9+	10	600	1	*	ciroro	cicrdrdmerr	croidoroo orr	crorom o oR
Portland Bill	08·2	-4	S	4	rr	62	92	60	7	5	-	-	10	10	4000		4	oid	oddrr		
Plymouth	06·9	-6	S	1	c	62	92	60	7	5	7	-	9	10	2500	1	1	crrdodomoc	bRRmoc	cirorridoo	crroc
The Lizard	06·7	-6	S	3	rr	58	97	57	6	5	-	-	10	10	1000	1	4	cprc	cprrr	prrro	pcbc
Scilly (St. Mary's)	05·3	-6	S	4	c-bc	63	85	58	8	5	7	3	2-3	7-8	1600	1	4	c	cbcc	cbcc	cpc
Guernsey																					
Pembroke	04·9	-2	SW'S	4	c-bc	61	92	59	8	7	6	-	4-6	7-8	2000	0	3	cmoq	c	bcc	cpro
Holyhead (Valley)	03·8	0	SSW	6	bc	63	85	58	8	2	6	-	2-3	4-6	1500	1	4	cbc	bcc	cbc	c
Chester (Sealand)	04·7	0	SW	2	c	67	65	55	9	5	7	2	2-3	9	2500	0	*	cbcmoro	bccy	c	cmoroR
Manchester	04·7	+2	SSW	4	c	66	65	53	8	4	3	6	2-3	9	3000	0	*	cropro	czc	croromo	rrroromo
Spurn Head	06·6	+4	SW'W	4	ido	*	*	*	7	5	7	-	9	9+	4000	1	3	bc	cido	cdd	crrmo
Catterick (Sc)	04·9	+16	SW	1	c-bc	67	65	56	8	7	4	8	2-3	7-8	3500	0	*	cirmo	cmc	bccmo	cmororofrrm
Tynemouth	03·9	+14	SW	5	bc	66	65	51	7	1	4	-	2-3	4-6	2800	0	3	c,prmo	cbc	bccmo	cmororo
St. Abbs Head	01·4	+8	SSW	4	c-bc	65	65	54	9	1	4	-	4-6	7-8	3500	0	3	cmrocmo	cmbcc	cbc	cbcc
Leuchars	00·1	+8	S	5	c-bc	64	75	56	8	8	7	2	4-6	7-8	3000	0	*	crroromoc	cbc	bc	bcc
Renfrew (Abbots I.)	99·7	+10	S'W	4	c-bc	65	65	55	8	8	6	-	7-8	7-8	2500	1	*	croro	crrcmbcc	cpromo	cmorc
Eskdalemuir	01·5	+14	SSW	6	c	58	88	53	8	5	-	-	9+	9+	1400	0	*	cromorrc	c	c	cproro
Point of Ayre	01·5	0	SSW	6	b-bc	62	85	57	8	2	4	-	Tr	2-3	1600	0	5	rrc	b	bbcc	c
Tiree	96·1	+14	S'W	4	c-bc	59	92	57	8	5	4	-	7-8	7-8	5000	1	4	cdoromocmo	crorobcc		bcc
Stornoway	94·4	+10	SSW	4	c/r	58	97	57	7	5	2	-	9+	10	1500	1	3	ciro	cirocromo	c	cprc
Dalwhinnie	96·[illegible]	+12	SSE	3	pr	58	85	52	8	5	-	-	9	9	1500	1	*	orrc	cproc		coirc
Aberdeen	99·6	-6	SSW	4	c-bc	63	75	54	7	8	7	2	4-6	7-8	1500	1	2	omrocrido	pidoc	cbcc	cprocw
Wick	96·8	-10	SE	4	c	57	97	56	7	5	7	-	4-6	9	2500	1	*	cdcroromo	crorom cmo	bc	bcc
Sumburgh	01·1	+30	E'S	5	rr	56	97	56	5	6	2	·	9+	10	<150	1	3	crocroromo	crrmo	crmoc	c⊕
Blacksod Point	95·5	+6	SW	5	c	60	85	56	8	6	-	-	9+	9+	1500	1	4	d	pr	pr	pr
Malin Head	96·0	+18	SW	4	pr	61	85	57	8	3	-	-	9	9	1500	2	3	ccr	pr	pr	o
Aldergrove	98·4	+12	S'W	1	bc	62	85	58	9	8	-	-	4-6	4-6	2000	1	*	ccpro	cprorjprpr	cbc	bcc
Birr Castle	99·0	+4	WSW	4	c-bc	64	65	52	8	8	-	-	7-8	7-8	1500	1	*	r	c		o
Valentia Obsy.	99·5	-2	SW'S	5	bc	62	85	58	8	2	-	3	4-6	4-6	1500	1	4	or	bc	pr	pr
Roches Point	01·2	0	WSW	4	bc	63	85	59	8	3	-	-	4-6	4-6	1500	1	5	d	pr	pr	pr

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 21st August 1943.

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Light or moderate south to southwest winds, dull and rainy at first, bright periods and local thundery showers later; rather cool.
5 S.W. England, 6 South Wales, 7 North Wales	Moderate southwesterly winds; local thundery showers, bright periods; rather cool.
8 N.W. England, 9 N. Midlands, 10 N.E. England, 11 S.E. Scotland	As 1-4.
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland	Moderate southerly winds, local thundery showers. Some bright periods; rather cool.
14 Mid Scotland, 15 N.E. Scotland	Moderate southeast to south winds; fair at first, rather general rain spreading from south followed by local thundery
16 Orkneys and Shetlands	showers and bright periods; rather cool.
17 N. W. Ireland, 18 N. E. Ireland	As 12-13b.
19 S. E. Ireland, 20 S. W. Ireland	As 5-7.

GENERAL INFERENCE

A larger depression is centred to northwest of the British Isles, and a secondary is moving northwards across Britain. Weather will be rather cool and unsettled, with rather general rain in many areas of Britain at first, followed by local thundery showers and bright periods.

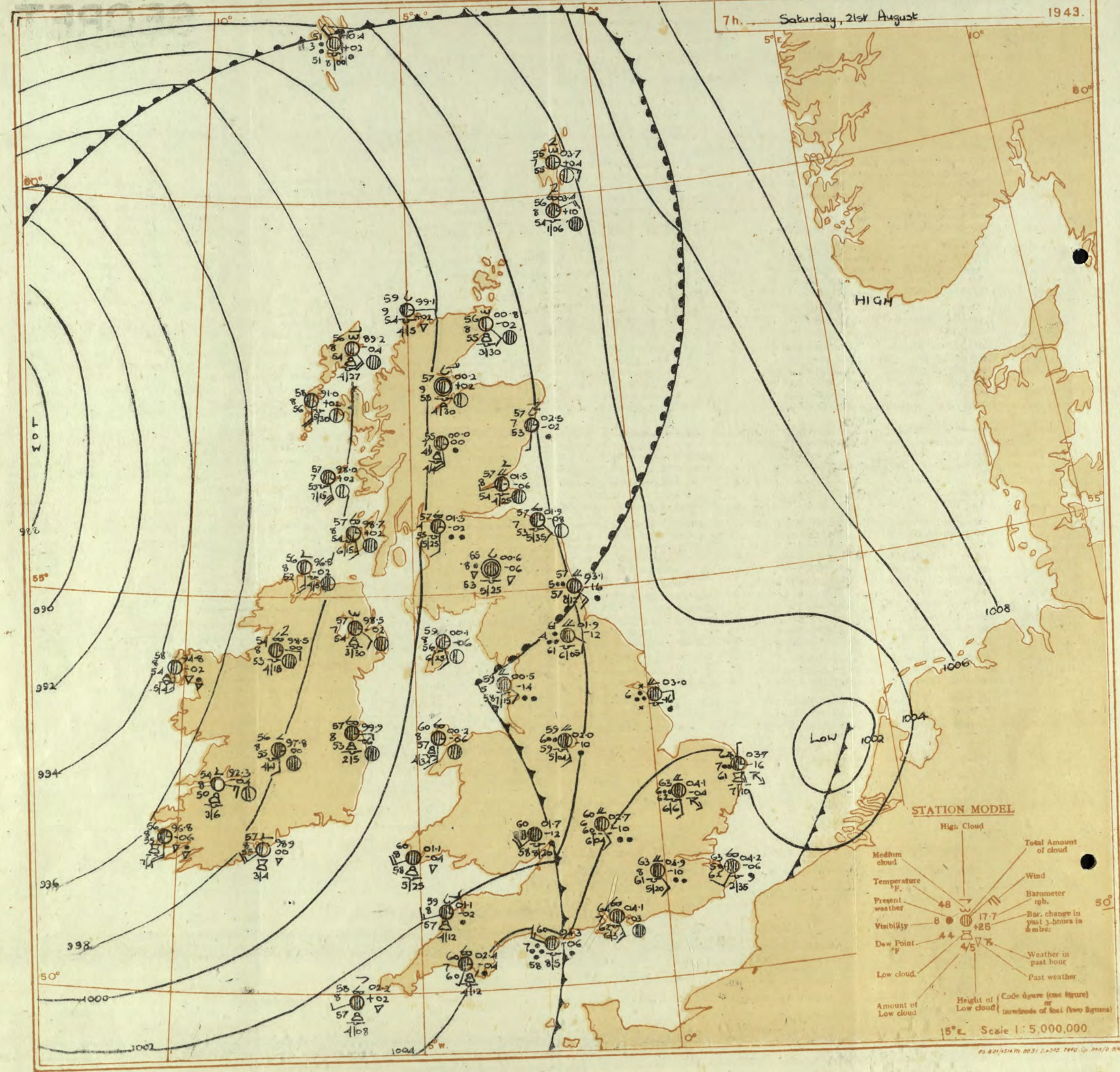
FURTHER OUTLOOK

Rather cool unsettled thundery type persisting.

Forecasts issued at 1030.

NELSON K. JOHNSON, K.C.B., D.Sc. Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Saturday, 21st August 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

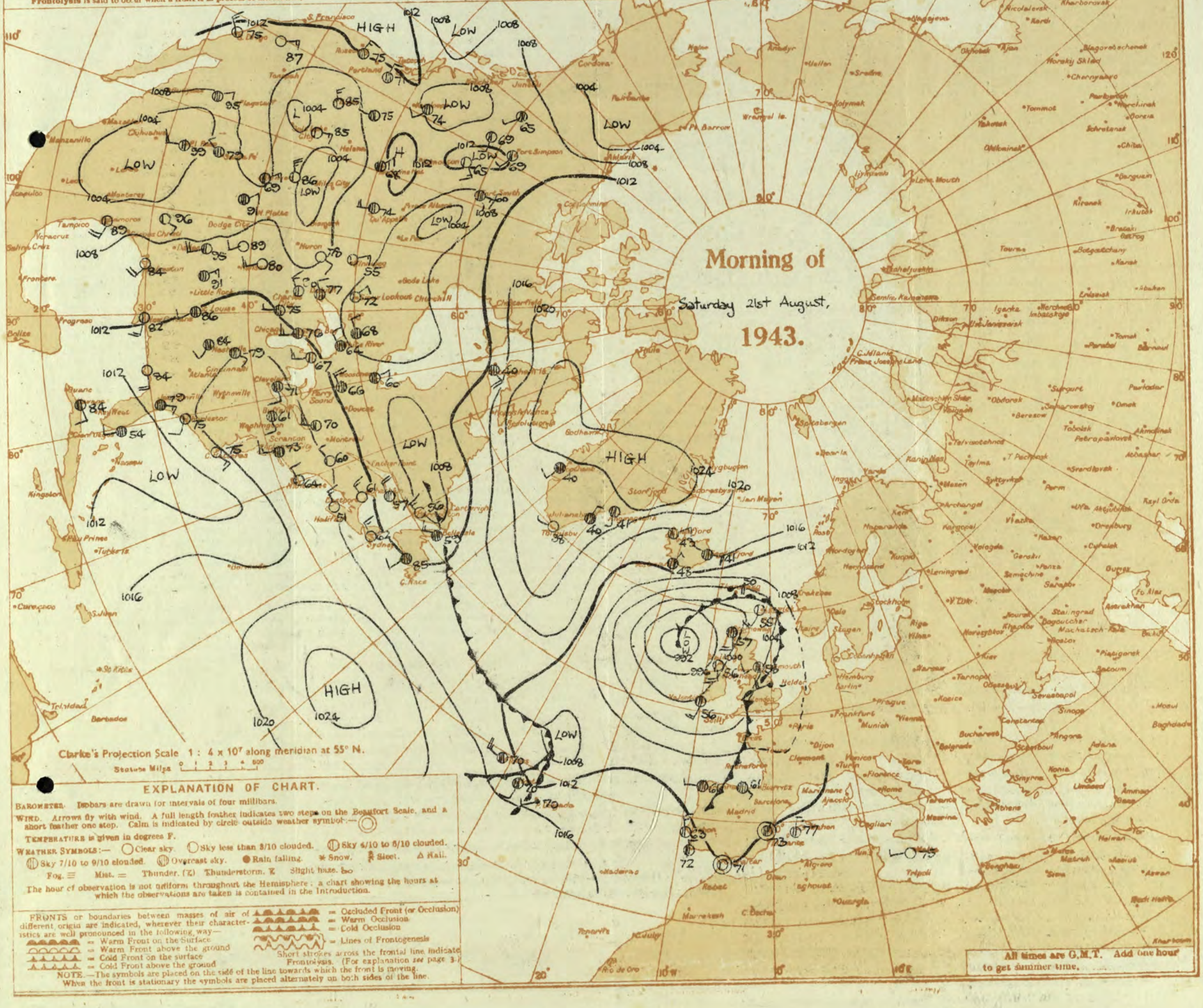
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

All times are G.M.T. Add one hour to get summer time.

Page 4. **BRITISH SECTION**

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

Saturday 21st August 1943
No. 29857

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

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	*	*	*	*	*	66	*	*	*	*	*	*	*	*	*
	Croydon	290	07.2	-20	S	1	ir0	65	85	60	6	5	7	·	7-8	10	600
	S. Farnborough	226	06.6	-14	SSW	1	++	64	92	61	7	6	2	-	9	10	700
	Boscombe Down	417	06.4	-14	S'E	2	++	60	97	60	6	6	-	·	4-6	10	500
	Thorney Island	10	07.4	-14	SSW	1	++	63	92	61	7	-	2	-	7-8	7-8	5400
	Lympne	283	06.3	-20	NNE	2	c	67	75	57	7	5	1	-	2-3	10	2500
	Manston	154	06.0	-18	NNW	2	c	65	85	60	6	5	7	-	√	9	5000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	07.7	-2	WNW	1	c-bc	66	85	63	7	5	-	-	7-8	7-8	2500
	Gorleston	5	07.2	-8	-	0	/	66	85	60	7	5	-	-	9+	9+	1500
	Mildenhall	15	06.6	-6	-	0	c	67	85	61	7	5	2	-	4-6	10	4000
	Cranwell	203	05.8	-10	SW	2	rr	62	97	62	6	6	2	-	4-6	10	600
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	05.2	-4	S	2	t0t0	61	97	61	6	6	2	-	7-8	10	300
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	02.4	-22	WNW	2	+f	59	97	59	3	-	-	-	10	10	<150
	Bristol	209	04.6	-18	S	2	t0t0	62	92	60	7	5	2	-	2-3	10	1200
	Portland Bill	32	07.0	-10	S	4	++	62	85	59	7	5	-	-	10	10	2500
	Plymouth	86	03.1	-22	SSW	4	c	61	97	61	6	5	2	-	9+	10	400
	The Lizard	240	03.7	-10	W	2	c	58	97	57	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	03.4	-12	SW	3	c-bc	58	97	58	8	5	4	-	4-6	7-8	1200
	Guernsey	175															
6	Pembroke	142	03.2	-10	SSW	3	c-bc	60	92	58	8	6	-	-	7-8	7-8	2500
7	Holyhead (Valley)	32	02.8	-10	S'W	3	c	57	92	5[illegible]	8	5	3	8	1	9	4000
	Chester (Sealand)	16	04.0	-10	-	0	c-bc	60	85	[illegible]	7	5	7	-	2-3	7-8	4500
8	Manchester	230	04.9	-10	S'E	2	r0r0	60	97	59	6	5	2	-	2-3	10	2000
10	Spurn Head	29	06.7	-10	SW	3	aa	*	*	*	7	5	2	-	2-3	10	800
	Catterick (Sc)	192	04.9	-2	S	1	z0	57	97	55	6	5	7	-	4-6	10	3700
	Tynemouth	108	05.0	-4	SW	2	z0	58	92	55	6	5	-	-	9	9	2500
11	St. Abbs Head	280	03.6	+2	S	4	c-bc	58	85	52	7	5	-	-	7-8	7-8	4000
	Leuchars	36	02.2	+4	-	0	c-bc	57	85	49	7	5	-	8	1	7-8	4000
12	Renfrew (Abbots I.)	19	01.8	+12	S	3	f04/pr	60	85	55	6	8	-	-	7-8	7-8	1600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	02.2	+2	SWW	3	c-bc	59	92	57	8	2	4	5	Tr	7-8	1800
13A	Tiree	44	98.1	+10	S'W	5	bc	58	92	55	8	5	4	-	2-3	4-6	1500
13B	Stornoway	12	98.1	+10	SSE	4	c	57	85	53	7	5	-	-	9+	9+	3700
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	02.6	+8	SSW	2	bc	55	92	53	8	5	-	/	2-3	4-6	2500
	Wick	114	00.7	+10	SSE	4	bc	57	92	55	8	5	3	5	2-3	4-6	3000
16	Sumburgh	19	02.0	+8	S'E	4	c	54	97	53	7	5	-	-	9	9	3500
17	Blacksod Point	18	96.7	-4	S'W	5	c-bc	58	85	53	8	8	-	-	7-8	7-8	1500
18	Malin Head	84	97.0	0	S'E	4	b-bc	56	85	52	8	-	-	2	0	2-3	-
	Aldergrove	268	99.9	-2	SE	1	bc	55	92	52	8	-	3	-	0	4-6	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	98.9	-8	S'W	3	c	56	92	54	8	8	-	-	9	9	1500
	Roches Point	22	00.2	-10	SW	3	bc	57	97	56	8	5	3	-	2-3	4-6	1500

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

Stations	Barom. at M.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)	03.4	-10	SW	2	ir0	63	92	61	7	5	-	2	9	9+	1500	1	*
Croydon	04.9	-10	SE'S	2	c/r	63	92	61	8	5	2	-	7-8	10	2000	1	*
S. Farnborough	03.4	-6	S'E	2	c/r	62	97	61	6	6	2	-	9+	10	800	1	*
Boscombe Down	03.1	-10	S'W	3	rr	61	97	61	6	6	2	-	9	10	300	1	*
Thorney Island	04.1	-8	S'E	3	c	64	92	62	7	5	7	-	9	10	800	1	*
Lympne	05.2	+2	SW'W	1	r0r0	61	97	61	4	5	2	-	7-8	10	200	1	§ *
Manston	04.2	-6	SSW	2	id0	63	97	62	5	5	7	-	1	10	3500	1	*
Shoeburyness	05.4	-6	-	0	fg	63	92	61	5	5	2	-	4-6	10	1500	1	*
Felixstowe	04.4	-18	N	1	c/p1	63	65	5[illegible]	6	5	-	-	10	10	2500	1	1
Gorleston	03.7	-16	N	1	r0r0	64	85	61	7	9	·	-	9+	9+	1000	1	2
Mildenhall	04.1	-4	S	1	r0r0	63	97	62	6	5	2	-	9	10	4000	1	*
Cranwell	03.0	-10	S'E	3	r0r0	61	92	60	6	6	2	-	7-8	10	600	1	*
Birmingham	01.8	-10	SSE	3	r0r0	60	97	59	6	6	-	·	10	10	450	1	*
Upper Heyford	02.7	-10	SSE	2	c/r	60	97	60	6	6	2	-	9	10	400	1	*
Ross-on-Wye	01.7	-12	SW	4	c	60	92	58	8	5	-	-	4/10	10	2000	1	*
Hartland Point	01.1	-2	WSW	3	c	59	92	57	8	2	4	8	4-6	9+	1200	1	3
Bristol	02.6	+2	SSW	3	ir0	59	85	56	7	5	2	-	7-8	10	3500	1	*
Portland Bill	04.3	-6	WNW	3	RR	60	92	58	7	5	-	-	10	10	2500	1	2
Plymouth	02.4	-4	SSW	1	c	60	97	60	7	8	7	-	4-6	9+	1200	1	1
The Lizard	02.2	-4	SW	3	bc	59	97	59	8	5	3	-	4-6	4-6	2500	1	4
Scilly (St. Mary's)	02.2	+2	SW'W	2	c-bc	58	97	57	8	8	7	3	4-6	7-8	800	1	3
Guernsey																	
Pembroke	01.1	-4	SW'W	4	c	60	92	58	8	8	-	-	7-8	10	2500	0	3
Holyhead (Valley)	00.2	-6	S	3	c	60	92	57	8	8	7	-	4-6	9+	3400	1	2
Chester (Sealand)	01.4	-16	SSE	3	rr	60	92	58	6	5	2	-	7-8	10	1500	1	*
Manchester	01.3	-10	SSE	3	r0r0	61	97	59	6	6	2	-	7-8	10	1200	1	*
Spurn Head	03.0	-16	E	2	rr	*	*	*	6	5	2	-	4-6	10	2500	1	
Catterick (Sc)	01.9	-12	ESE	2	rr	61	97	61	4	5	2	-	9	10	500	1	*
Tynemouth	03.1	-16	SE	3	r0r0	57	97	57	5	-	2	-	10	10	1200	1	2
St. Abbs Head	01.9	-8	SE	2	c	57	85	53	7	5	7	-	7-8	9+	3500	0	2
Leuchars	01.5	-6	WSW	1	c	57	92	54	8	5	2	5	4-6	9	2500	0	*
Renfrew (Abbots I.)	01.3	-2	S	2	c/r	57	92	55	4	5	7	-	7-8	9+	2500	1	*
Eskdalemuir	00.6	-6	-	0	pr	55	92	53	8	5	4	-	9	10	1600	1	*
Point of Ayre	00.1	-6	S	2	c	59	92	56	8	5	-	-	9	9	2500	0	2
Tiree	98.0	+2	S'E	5	c	57	97	55	7	5	-	-	9+	9+	1500	1	4
Stornoway	99.2	-4	SE	4	c-bc	56	92	54	8	5	3	1	4-6	7-8	2700	1	
Dalwhinnie	04.0	0	SSE	4	c	55	85	49	7	8	-	9	4-6	9+	1500	1	*
Aberdeen †	02.5	-2	S	1	c	57	85	53	7	-	4	6	0	9+	-	1	[illegible]
Wick	00.8	-2	SE	2	bc	56	97	55	8	8	3	-	2-3	4-6	3000	1	*
Sumburgh	03.4	+10	NE'E	3	c	56	92	54	8	5	7	6	Tr	9+	900	1	2
Blacksod Point	94.8	-2	SW	3	c-bc/pr	58	85	54	8	8	-	-	7-8	7-8	1500	1	3
Malin Head	96.5	+2	S	3	c-bc	56	85	52	8	5	-	5	4-6	7-8	2500	2	3
Aldergrove	98.5	-2	SE'S	2	c	57	85	54	7	8	3	-	2-3	9+	3000	1	*
Birr Castle	97.8	0	S	1	c	56	92	54	8	5	1	-	4-6	9+	1500	1	*
Valentia Obsy.	96.8	-6	S'W	4	c/pr	56	97	55	8	9	-	-	9+	9+	1500	1	3
Roches Point	98.9	0	SW	3	bc	57	92	55	8	3	-	5	2-3	4-6	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 20th Hrs. (38)
London (Kew)	77	62	60	-	2	3.9
Croydon	81	62	61	-	2	4.2
S. Farnborough	78	61	60	-	6	5.2
Boscombe Down	71	59	59	1	9	1.3
Thorney Island	72	62	61	-	5	*
Lympne	72	61	59	-	2	8.3
Manston	81	62	*	-	4	0.2
Shoeburyness	82	62	62	-	4	5.8
Felixstowe	74	62	61	-	4	8.[illegible]
Gorleston	74	64	59	-	4	9.0
Mildenhall	81	62	61	-	3	6.4
Cranwell	77	60	59	Tr	12	2.0
Birmingham	70	59	57	4	3	1.7
Upper Heyford	76	60	59	1	13	*
Ross-on-Wye	67	59	59	11	7	0.1
Hartland Point	66	58	56	Tr	5	0.6
Bristol	66	59	58	9	4	0.0
Portland Bill	63	59	*	5	12	*
Plymouth	64	58	56	8	15	0.0
The Lizard	63	59	*	2	6	11.2
Scilly (St. Mary's)	67	58	*	-	0.6	7.2
Guernsey						
Pembroke	63	58	*	Tr	Tr	4.6
Holyhead (Valley)	65	58	55	4	-	*
Chester (Sealand)	75	59	53	Tr	5	4.6
Manchester	71	59	57	0.1	8	*
Spurn Head	*	*	*	Tr	*	3.8
Catterick (Sc)	73	56	50	0.3	4	2.9
Tynemouth	74	57	54	-	1	*
St. Abbs Head	72	54	52	1	-	*
Leuchars	68	53	45	3	Tr	4.0
Renfrew (Abbots I.)	69	55	46	6	0.1	4.6
Eskdalemuir	66	53	50	3	0.1	1.0
Point of Ayre	67	57	*	4	-	3.4
Tiree	62	59	*	6	0.5	3.5
Stornoway	61	50	52	11	3	0.3
Dalwhinnie	60	53	49	5	1	1.6
Aberdeen †	65	54	47	2	Tr	3.1
Wick	58	54	48	7	-	*
Sumburgh	58	52	46	15	1	0.0
Blacksod Point	62	60	*	2	4	*
Malin Head	64	54		9	0.5	3.9
Aldergrove	66	52	49	3	-	3.6
Birr Castle	69	53	50	0.2	Tr	5.4
Valentia Obsy.	64	54	50	3	2	5.2
Roches Point	65	56	*	0.3	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 20th August $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 21st August $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	5-	63625	12568	53	05624	45365	04	01890	15313	57	02763	15325
115				52	82735	16388	54	02854	20325	54	02954	08286
203												
206	52	64655	06468	86	01854	18464	4-	02955	02185	74	02964	00015
210	62	62235	10368	36	01964	18464	53	02864	16315	53	04862	00014
219	02	64628	10568	8-	02844	18657	8-	02854	16685	5-	02865	14415
230	5-	63638	12168	86	02955	20183	3-	82648	16288	53	02863	14187
245	57	22534	14467	80	01852	17413	54	01762	19215	54	02761	14117
260	27	02854	16665				50	01763	20315	57	01764	16224
278	56	02844	16465	56	02865	51526	5-	01834	16314	57	22836	14367
279	2-	14864	51865	14	01863	51824	57	01861	18314	52	64655	12168
285	23	08744	18665	27	01854	22615				62	64524	22168
288	73	22654	49565	57	02853	21425	01	05690	15228	52	62445	12268
575	9-	02947	51417	26	01864	51614	54	01853	15214	57	02844	09227
301	20	01853	21563	84	02853	16426	57	05655	12228	52	22547	12268
321	57	02755	16466	57	64665	20568	5-	62548	14268	62	62635	14368
299	43	03645	15427	5-	62658	22468	5-	64648	22368	5-	47338	16468
292	59	02655	16467	57	02757	18468	52	22561	14268	6-	62536	14368
310	--	02638	20528	--	02636	20216						
614	77	81[illegible]	18527	52	62644	18368	02	62628	00068	62	64536	14268

III	13h. G.M.T. 20th August $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 21st August $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
388				8-	02756	18517	57	02754	16227	52	22635	16368
334	--	02244	26515	--	02646	26517				--	63537	22288
340	5-	22545	---69	77	02884	18326	52	62665	15268	52	62635	14468
136	07	02790	16418	57	02974	20317	51	02863	20128	52	62664	16298
336	13	01753	20514	53	01753	20414				57	02754	16327
350	17	02853	16426	67	22761	19368	62	62645	15168	62	62637	14268
368				87	02844	20167	5-	64648	18268	5'	22645	20268
379	5-	62758	18368	62	62626	28468	02	64638	16368	02	62507	26448
390	03	05690	15315	07	02790	16127	51	05654	00028	52	61565	14168
382	77	61864	16427	77	22864	18468	52	62665	15168	57	22836	14267
438				57	02767	26115	80	95658	26218	52	22657	25367
430	03	02890	17326	59	02874	18226	52	62675	00028	52	05637	16228
409	57	02844	16327	52	62636	17367	57	22646	18267	52	22765	17225

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

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	cbcy	cyc	cr0ir0
Croydon	cy	bcycyc	cm0r0c
Greenwich	cy	c[illegible]y	cr0rrc
Camden Square	bc	c	*
Kensington	bc	bcc	*
Hampstead	bc	bc	orbc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended [illegible]h. Max. <0.1 w[illegible] period Min. Time

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	77	62	60	-	2	3.9	*	*
Croydon	81	62	61	-	2	4.2	*	*
Greenwich	83	61	59	-	3.3	4.8	41	83
Westminster	80	63	61	3.3		*	51	87
Regents Park	81	62	60	-	3.5	*	43	79
Camden Square	83	62	61	-	3.6	*	*	79
Kensington	82	62	60	-	3.0	*	63	83
Hampstead	80	61	59	-	3.2	*	*	95

SECRET

Page 1

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

BRITISH SECTION

Sunday, 22nd August 1943

No. 29858

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	03·9	+6	W'S	2	r̥o	63	85	58	8	5	-	-	10	10	4000
	Croydon	04·1	0	SSW	4	c	68	85	64	7	5	-	-	9+	9+	1500
	S. Farnborough	03·8	+10	W'N	1	ir	61	92	59	8	5	7	-	9	10	1000
	Boscombe Down	03·6	+4	SW	2	c	65	75	56	8	7	2	-	4-6	9+	1600
	Thorney Island	03·9		W	3	c/r	65	85	60	8	5	1	-	4-6	9+	1500
	Lympne	04·8	+2	S	3	pr	67	85	61	7	5	7	-	4-6	9+	1200
	Manston	04·7	+2	SSE	2	cd	68	75	61	8	1	7	-	2-3	10	900
	Shoeburyness	04·5	-6	S'W	3	c	72	75	63	8	5	7	-	4-6	9+	2500
	Felixstowe	03·8	-6	S'E	3	c	71	85	54	7	5	7	-	4-6	9	1500
	Gorleston	03·9	+2	S'E	4	c	67	85	60	8	8	-	-	1	9+	1500
	Mildenhall	02·5	-4	SSW	4	c	70	75	62	7	5	-	-	9+	9+	2500
	Cranwell	02·0	-4	SW	4	c/r	61	85	58	8	5	7	-	7-8	9+	2500
3	Birmingham	02·0	+6	SW	2	c	63	75	55	8	8	7	-	4-6	9+	2500
	Upper Heyford	02·6	0	SW	3	c	64	75	57	8	5	7	-	4-6	9+	1200
4	Ross-on-Wye	01·8	0	SSW	3	c	66	75	56	8	1	3	1	2-3	9	3000
5	Hartland Point	01·7	+6	WNW	4	bc	62	92	59	8	2	4	-	4-6	4-6	1500
	Bristol	02·2	-4	SSW	2	c	67	75	57	8	2	3	-	4-6	9+	4000
	Portland Bill	05·3	+4	SW	4	c	60	92	58	8	5	-	-	10	10	4000
	Plymouth	03·6	+6	SSW	3	c	65	85	62	9	8	7	1	7-8	9	2000
	The Lizard	03·0	+6	W	2	bc	64	85	59	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	03·1	+8	W'S	3	cjp	66	75	56	8	8	3	-	4-6	9+	1200
	Guernsey															
6	Pembroke	00·8	-2	SW'W	4	bc	63	85	57	8	2	9	-	4-6	4-6	2500
7	Holyhead (Valley)	99·8	+2	S	4	c-fos	63	75	58	8	8	7	-	2-3	9	3000
	Chester (Sealand)	00·9	+6	W	2	pr	68	65	56	8	8	9	-	7-8	7-8	3000
8	Manchester	00·8	+6	S'W	3	c/pr	63	85	58	8	2	6	-	7-8	9+	1500
10	Spurn Head	01·7	-10	S	3	c-bc	*	*	*	7	2	3	-	2-3	7-8	2500
	Catterick (Sc)	99·3	-12	S	2	c/r	64	92	61	6	5	2	-	7-8	10	800
	Tynemouth	00·2	-10	SSE	3	c	59	92	56	7	-	2	-	9+	9+	1700
11	St. Abbs Head	98·7	-20	S	1	F	57	97	57	1	-	-	-	10	10	<150
	Leuchars	98·8	-16	-	0	c/r	59	97	57	6	5	2	-	4-6	10	800
12	Renfrew (Abbots I.)	99·2	-6	SE	2	c/r	62	85	57	6	5	2	-	7-8	10	2500
	Eskdalemuir	98·2	-12	-	0	rr	58	92	55	6	-	2	-	10	10	1100
	Point of Ayre	99·9	-4	S'W	3	c-bc	64	85	59	8	2	7	6	Tr	7-8	1800
13A	Tiree	96·8	-10	SE'S	3	c	61	92	58	8	7	2	-	2-3	10	2500
13B	Stornoway	97·4	-6	-	0	c	61	85	56	8	5	7	-	7-8	10	4000
15	Dalwhinnie	98·0	-10	SE	3	c	59	75	49	7	5	2	-	9	10	2500
	Aberdeen	99·6	-18	S	2	z	58	85	54	6	5	•	-	10	10	1500
	Wick	00·2	-10	SE	1	c	59	92	57	8	5	7	-	4-6	10	2500
16	Sumburgh	02·0	-10	SE'E	3	c	60	85	55	8	-	7	-	0	10	—
17	Blacksod Point	93·0	-10	SW'S	3	bc	61	85	56	8	8	-	-	4-6	4-6	1500
18	Malin Head	94·5	-16	SSE	4	bc	64	65	52	8	2	-	-	4-6	4-6	2500
	Aldergrove	96·4	-10	SE'S	2	c	64	75	59	8	8	-	-	9	9	2500
19	Birr Castle	95·9	-14	SSW	3	bc	67	65	56	8	3	-	-	4-6	4-6	1500
20	Valentia Obsy.	96·7	+2	SW'S	5	r-nc/pr	60	92	58	7	9	-	3	7-8	7-8	1500
	Roches Point	98·7	-2	SW	4	bc	62	85	57	8	3	-	5	4-6	4-6	1500

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

Stations	Barom. at M.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)	03·7	+2	SSW	2	ir̥o	66	75	58	8	8	3	-	7-8	7-8	5700	1	•
Croydon	04·3	-2	S	2	c/r	65	75	57	8	2	7	-	2-3	9	3000	1	•
S. Farnborough	03·7	0	SW	3	c	65	75	59	8	2	7	-	4-6	10	1000	1	•
Boscombe Down	03·8	+2	WSW	3	bc	64	75	56	8	2	6	-	4-6	4-6	2000	0	•
Thorney Island	04·7	+2	SW'S	2	cbc	64	85	57	9	2	3	3	4-6	7-8	1500	0	•
Lympne	04·7	+6	SSE	2	r̥or̥o	61	92	60	6	6	3	3	4-6	10	2500	1	§
Manston	04·1	-2	SW	2	rr	62	92	60	6	5	-	-	10	10	1000	1	•
Shoeburyness	04·7	+2	SSW	2	rr	66	85	60	8	5	-	-	10	10	2500	1	•
Felixstowe	03·4	-2	SW	3	c/r	65	92	62	8	5	2	-	7-8	10	2500	1	3
Gorleston	03·2	+2	SW'S	3	r̥or̥o	68	85	63	7	6	-	-	10	10	800	1	3
Mildenhall	02·8	-4	SW'S	1	r̥or̥o	63	85	57	8	5	7	-	Tr	9+	5700	1	•
Cranwell	02·3	+2	SSW	2	c	65	75	55	8	2	7	-	1	9+	3000	1	•
Birmingham	01·9	+2	SSW	3	c	63	75	55	8	8	7	-	7-8	9+	2500	1	•
Upper Heyford	02·6	+6	W	4	PR	64	75	55	6	3	7	-	7-8	9+	1500	1	•
Ross-on-Wye	02·2	0	SW'S	3	c	63	75	54	9	8	-	-	9+	9+	3000	1	•
Hartland Point	02·4	+8	W	4	cbc	62	75	55	8	2	6	-	4-6	7-8	1800	0	3
Bristol	03·1	+2	NNW	1	cbc/pr	62	92	59	7	8	6	-	4-6	7-8	1500	1	•
Portland Bill	05·5	+2	SW	4	bc	62	92	60	8	2	4	-	2-3	4-6	4000	1	4
Plymouth	04·4	+10	WSW	4	c	62	85	58	8	8	3	-	4-6	9	2000	1	2
The Lizard	04·4	+4	WSW	3	cbc	60	85	54	8	2	6	-	7-8	7-8	2500	0	4
Scilly (St. Mary's)	03·6	+2	WSW	5	bc	62	65	51	8	8	4	-	2-3	4-6	1200	0	3
Guernsey																	
Pembroke	01·7	+6	SW'W	5	b.bcq	61	85	55	8	2	4	-	2-3	2-3	2500	0	3
Holyhead (Valley)	00·0	+2	SW	5	b	61	75	54	8	2	-	-	Tr	Tr	3000	1	3
Chester (Sealand)	00·7	0	W	3	cbc/pr	65	65	55	7	8	-	-	7-8	7-8	2500	1	•
Manchester	00·3	+6	SW	3	c/pr	63	85	59	9	2	6	-	4-6	9+	2500	1	•
Spurn Head	02·0	+4	S'W	4	c	*	*	*	7	7	2	-	4-6	9+	2500	0	1
Catterick (Sc)	99·9	+2	S	1	cbc	65	75	57	8	8	7	-	4-6	7-8	2500	1	•
Tynemouth	00·1	+8	W	2	cbc	64	85	59	7	5	3	-	4-6	7-8	1700	1	2
St. Abbs Head	98·5	0	—	0	F+	56	97	56	1	—	—	-	10	10	<150	1	2
Leuchars	98·2	-6	SW	1	bc	61	85	52	7	8	6	2	4-6	4-6	3000	1	•
Renfrew (Abbots I.)	97·4	-6	S	3	cbc/pr	64	65	53	9	8	6	-	4-6	7-8	2500	1	•
Eskdalemuir	98·3	+2	S'E	4	cbc	55	85	50	8	8	3	-	4-6	7-8	1400	1	•
Point of Ayre	98·4	0	SSW	4	b	63	65	51	8	2	-	-	Tr	Tr	1800	0	2
Tiree	94·8	-8	SE	3	bc	60	92	58	9	5	3	-	2-3	4-6	3500	1	3
Stornoway	95·8	-8	—	0	ir̥o	57	92	55	8	6	7	-	Tr	9+	2500	1	1
Dalwhinnie	96·5	-10	SSE	3	c	56	85	50	7	5	4	-	9	9+	1500	1	•
Aberdeen	97·5	-8	NE	1	f+	57	97	57	3	-	-	-	10	10	<150	1	2
Wick	98·6	-10	ESE	1	rf	55	97	55	3	6	-	-	10	10	100	1	•
Sumburgh	98·9	-24	NE	3	c	57	92	55	7	5	7	-	4-6	10	2000	0	2
Blacksod Point	93·2	0	SW'S	4	cbc/pr	59	75	51	8	9	-	-	7-8	7-8	2500	1	3
Malin Head	93·3	-2	SSW	4	pr	58	85	53	8	3	-	-	9	9	2500	2	3
Aldergrove	96·1	+6	SW'W	4	c/pr	58	85	53	9	3	-	-	9	9+	1500	1	•
Birr Castle	96·5	+6	SSW	2	pr	58	85	63	7	8	7	-	7-8	9	1500	1	•
Valentia Obsy.	98·2	+10	WSW	4	c	60	85	55	8	2	3	-	9	9+	1500	1	4
Roches Point	98·3	0	SW'W	4	bc	60	85	55	8	3	-	2	4-6	4-6	1500	1	4

PAST 24 HOURS — WEATHER

Stations	7h.—13h. 21st (39)	13h.—18h. 21st (40)	18h. 21st to 1h. 22nd (41)	1h.—7h. 22nd (42)
London (Kew)	kqpr	ir̥ocir̥o	ir̥obcbw	bw
Croydon	cirecir	cir̥ocr̥ocir̥o	cbcbw	bbc
S. Farnborough	cmicrcir	cir̥oc	cbcb	bbmwb
Boscombe Down	crrmc	cbc	bcbbw	bwbccw
Thorney Island	crmc	ccr̥oc	bcbbbc	bcbwc
Lympne	cmccprm	cprcmm	crrbcm	cbc
Manston	cidrrc	cidoir̥om	crrmcbo	cbcw cbc
Shoeburyness	crrmc	cir̥ocrr	r̥orbc	bcw
Felixstowe	c	r̥or̥ocir̥oc	cbcb	bbcbbc
Gorleston	c	cpr̥oor̥or̥o	czce	bcz
Mildenhall	crrmc	ccpr̥ocir̥o	cbcb	bbmb
Cranwell	crrmc	c	bc	bcb
Birmingham	orc	c	c	c
Upper Heyford	crrmc	c	cprzbccir	bbc
Ross-on-Wye	crcc	cpcr̥oc	cb	bccrrc
Hartland Point	cirbc	bc	cbprc	cprbc
Bristol	rorc	cprcpRm	bccpr f PR b	bbc
Portland Bill	cc	cbc	bcc	cpr
Plymouth	cbcc	cvbcc	cbcb	ccbc
The Lizard	cprbc	prbcc	bcccc	bcprc
Scilly (St. Mary's)	cbcc	cpbc	bcbpc	apq
Guernsey				
Pembroke	bc	bcpr̥o	prvocq	prbcq
Holyhead (Valley)	b	cbcb	b	bw
Chester (Sealand)	brpcc	cypr̥o	sbc,bm	bmbcc
Manchester	r̥opr	cpbrpr	cbc	bcw
Spurn Head	c	c	c	bc
Catterick (Sc)	crrm	cbc	cbcmbc	bbc
Tynemouth	c	cor̥or̥ocm	cmbc	bcb
St. Abbs Head	crrmF	cmorrfcf	cfbcjfbc	bbc
Leuchars	circcr	crrmbc	cmbcbm	bmbwbc
Renfrew (Abbots I.)	crmrccm	cmoprocpr	bcmw	bcmprmbc
Eskdalemuir	crror	orrmbc	bcc	orrf
Point of Ayre	c	b	b	b
Tiree	c	cbc	bcc	ccdrcgr
Stornoway	c	cr̥or̥ocrrcir̥o	bccbcc	cprc
Dalwhinnie	bcc	oprc		coirc
Aberdeen	cFcircm	ofr̥or̥oRRrr	forrfbcbm	bbcc
Wick	c	cir̥opr̥or̥o	rrffbc	Fidffb
Sumburgh	c	c	cirFdf	bfcmflow
Blacksod Point	bc	pr	r	pr
Malin Head	c	pr	pr	r
Aldergrove	c	cbccprc	cbcc	obccid
Birr Castle	bc	pr		o
Valentia Obsy.	pr	pr	pr	pr
Roches Point	bc	pr	b	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday, 22nd August 1943

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Moderate or fresh southwest or west winds; local showers or thunderstorms, bright periods; rather cool.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Moderate southerly winds veering southwest or west; local showers or thunderstorms; bright periods; rather cool.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland	Fresh or strong southerly winds, veering southwest or west; cloudy with rain at first, thundery showers and bright periods later; rather cool.
15 N.E. Scotland	As 11
16 Orkneys and Shetlands	As 11
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 1-10

GENERAL INFERENCE

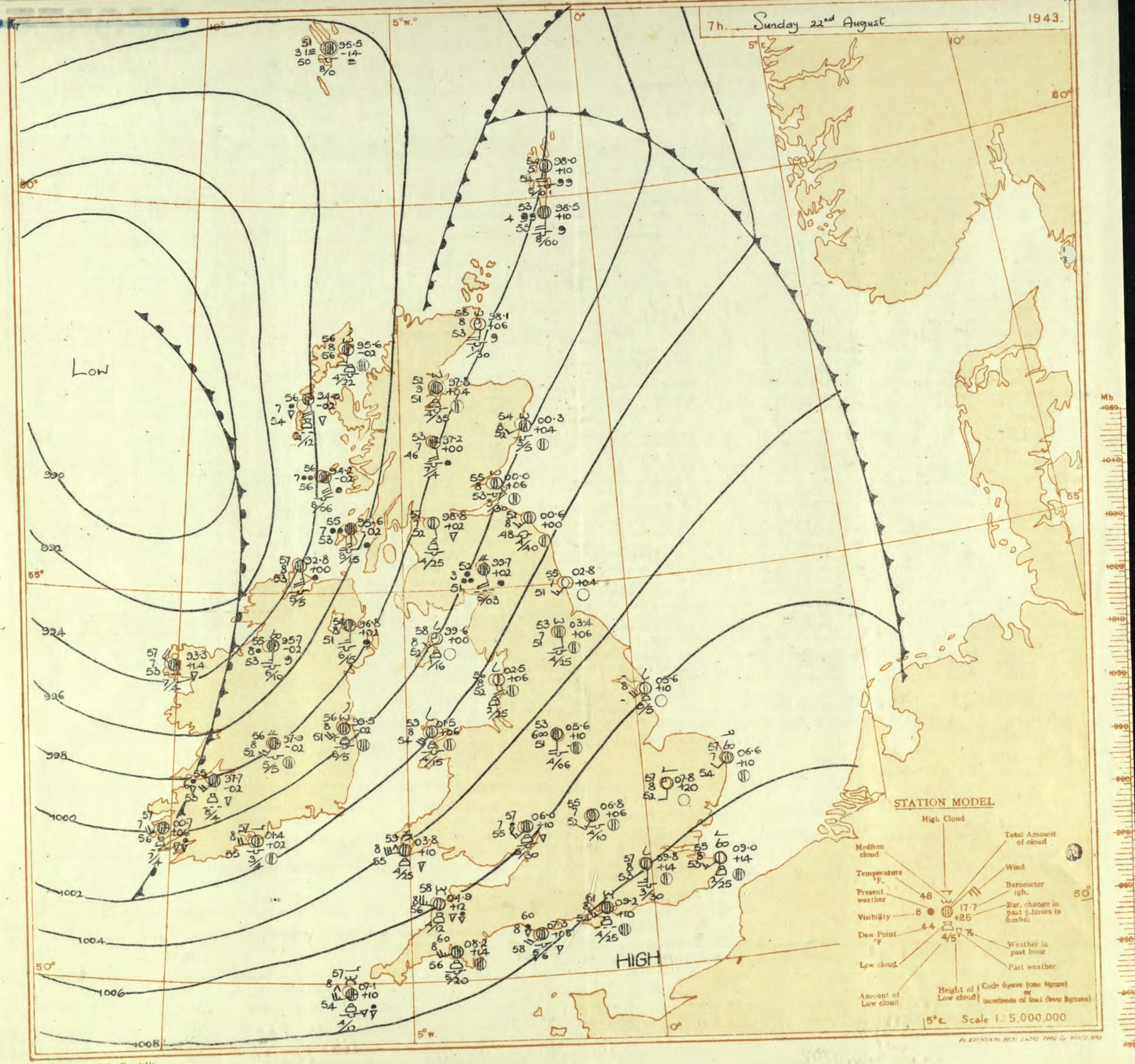
A depression centred off West Scotland is moving slowly northeast and filling up. Weather will be generally rather cool and showery with local thunder

FURTHER OUTLOOK

Rather cool showery conditions continuing.

Forecasts issued at 1030

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

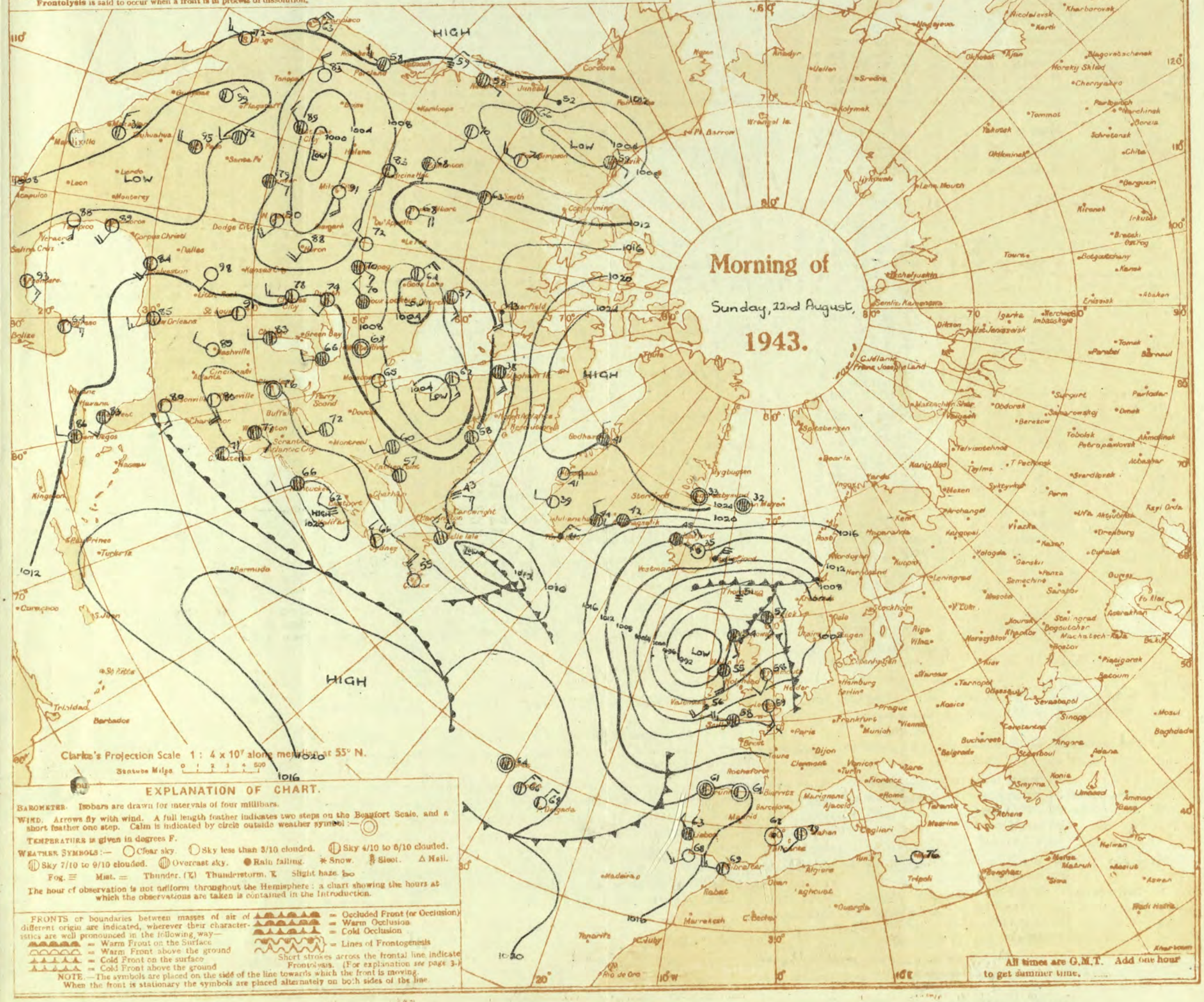
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



BRITISH SECTION

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

Sunday 22nd August 1943

No. 29858

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

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	07·6	0	SSE	3	b	59	85	55	8	5	4	–	Tr	[illegible]	2500
	S. Farnborough	226	06·8	+6	SW	2	b	56	92	54	8	4	4	1	Tr	Tr	3000
	Boscombe Down	417	07·3	+10	S	1	fg	52	97	51	7	–	–	–	0	0	–
	Thorney Island	10	07·4	+10	WSW	3	bc	59	85	53	8	5	–	–	4-6	4-6	2500
	Lympne	283	07·7	+6	WSW	1	c-bc	56	97	56	7	2	3	1	2-3	7-8	2500
	Manston	154	07·3	+2	SW	3	bc	57	92	56	7	5	3	8	1	4-6	3000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	06·4	+12	SW	3	b-bc	61	85	58	7	–	7	6	0	2-3	–
	Gorleston	5	05·1	+10	SW	2	c	61	92	59	7	8	–	–	9+	9+	1500
	Mildenhall	15	06·3	+10	SW'S	2	b	58	92	55	7	–	4	–	0	Tr	–
	Cranwell	203	04·2	+6	SW	3	c-bc	58	92	55	7	–	3	–	0	7-8	–
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	05·6	+10	SW	2	b	54	92	52	8	4	–	–	Tr	Tr	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	03·1	-6	W	6	c/pr	58	92	56	7	8	–	–	9	9	1500
	Bristol	209	06·1	+4	SW	3	b	54	85	50	8	5	–	–	Tr	Tr	2500
	Portland Bill	32	06·5	-6	SW	4	c-bc	60	92	58	8	2		–	7-8	7-8	4000
	Plymouth	86	06·8	+2	W'S	5	c	59	85	56	8	8	–	–	9+	9+	3000
	The Lizard	240	06·8	+2	W	5	c	57	92	55	8	2	–	–	9	9	1500
	Scilly (St. Mary's)	163	05·9	+10	W	5	c-bc	58	85	52	8	8	–	–	7-8	7-8	1500
	Guernsey	175															
6	Pembroke	142	03·0	+2	SW	3	pr	58	85	54	7	2	–	–	7-8	7-8	2500
7	Holyhead (Valley)	32	00·8	-6	SW'S	5	c/pr	57	92	54	8	8	3	–	7-8	9+	3500
	Chester (Sealand)	16	02·6	+2	S'W	2	b	54	85	50	6	–	4	–	0	Tr	–
8	Manchester	230	03·4	+6	S	3	b	54	85	50	8	–	4	–	0	Tr	–
10	Spurn Head	29	04·2	+10	SW	3	c-bc	*	*	*	7	7	3	–	4-6	7-8	2500
	Catterick (Sc)	192	02·8	+10	S	1	b-bc	54	85	49	7	–	3	–	0	2-3	–
	Tynemouth	108	02·2	+6	SSW	2	b-bc	58	85	54	7	–	3	–	0	2-3	–
11	St. Abbs Head	280	00·2	+8	S	3	b-bc	51	92	49	7	5	–	–	2-3	2-3	4000
	Leuchars	36	99·4	-2	–	0	z_0	50	97	49	6	5	–	–	1	1	2500
12	Renfrew (Abbots I.)	19	98·6	-2	SSE	2	z_0	56	92	54	6	8	–	–	2-3	2-3	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	99·3	0	SW	5	b	57	85	53	8	2	–	–	1	[illegible]	1800
13A	Tiree	44	94·9	-2	SSE	5	c	57	92	55	9	5	–	–	10	10	2000
13B	Stornoway	12	96·0	-6	SSE	1	c	54	97	54	8	5	–	–	9+	9+	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	98·9	0	SW	3	b	53	97	52	8	5	–	–	Tr	Tr	1500
	Wick	114	97·5	-6	–	0	Ft	53	97	53	0	–	–	–	10	10	<150
16	Sumburgh	19	96·7	-6	S	4	df	55	97	55	2	5	–	–	10	10	<150
17	Blacksod Point	18	92·9	-2	SW'W	6	c	56	92	54	8	6	–	–	9+	9+	1500
18	Malin Head	84	93·6	-6	S	4	c-bc	55	85	50	8	4	–	4	2-3	7-8	2500
	Aldergrove	268	97·1	+2	S'E	2	c-bc	54	92	51	8	5	–	–	7-8	7-8	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	99·9	-2	SW'W	4	pr	56	92	54	8	8	–	–	10	10	1500
	Roches Point	22	01·2	+6	W'S	3	b	56	97	55	8	5	–	–	1	1	2500

OBSERVATIONS at 7 hr. G.M.T. 22nd August — 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)	08·7	+12	SW'S	2	b-bc	60	85	53	8	7	–	–	2-3	2-3	4000	1	*	69	56	48	0·2	Tr	0·7
Croydon	09·8	+14	S	3	bc	57	85	53	8	5	4	–	2-3	4-6	3000	1	*	69	54	50	0·1	Tr	0·8
S. Farnborough	09·0	+14	SSW	2	b	56	92	53	7	2	4	–	Tr	1	2500	0	*	65	51	40	3	–	0·8
Boscombe Down	08·3	+8	S'W	3	c	55	97	54	8	8	6	–	7-8	9	3500	0	*	67	49	47	9	Tr	2·6
Thorney Island	09·2	+10	SW	3	c-bc	61	75	54	8	9	6	3	4-6	7-8	2500	0	*	64	57	51	4	–	*
Lympne	09·7	+14	W	1	b-bc	58	92	56	8	2	–	5	Tr	2-3	2500	1	§4	69	63	50	2	Tr	1·7
Manston	09·0	+14	SW	3	b-bc	55	92	53	8	2	7	8	1	2-3	2500	1	*	72	54	52	3	0·4	1·1
Shoeburyness	09·7	+18	SSW	2	b-bc	60	85	55	7	–	7	–	0	2-3	–	1	*	72	55	48	1	0·3	0·1
Felixstowe	08·7	+14	SW'W	3	bc	57	92	55	8	–	3	6	0	4-6	–	0	3	72	54	41	1	[illegible]	2·3
Gorleston	06·6	+10	SW	2	bc	57	92	54	7	–	7	2	0	4-6	–	1	3	72	56	53	0·3	3	2·5
Mildenhall	07·8	+20	S'W	2	b	57	85	52	8	–	–	8	0	1	–	0	*	73	54	47	1	Tr	1·4
Cranwell	06·1	+10	SW	3	b	56	85	52	8	–	4	–	0	1	–	1	*	70	50	45	3	–	1·0
Birmingham	[illegible]	+8	S	2	c	54	92	52	8	5	–	–	10	10	1500	1	*	68	51	46	–	–	1·7
Upper Heyford	06·8	+6	SSW	0	c-bc	55	92	52	7	5	–	–	4-6	7-8	1000	1	*	66	51	49	4	0·2	*
Ross-on-Wye	06·0	+10	SSW	3	pr	57	92	55	7	8	–	–	7-8	7-8	3000	1	*	69	54	50	0·6	0·1	1·5
Hartland Point	04·9	+12	W	5	bc/pr	68	92	56	8	3	6	–	4-6	4-6	1200	1	4	63	57	55	Tr	1·5	6·9
Bristol	07·2	+12	SSW	3	c	56	85	53	8	8	6	–	7-8	9	5700	1	*	68	53	48	9	7	1·3
Portland Bill	07·3	+8	SW	4	pr	60	92	58	8	5	–	–	7-8	7-8	4000	1	4	62	58	*	3	0·4	*
Plymouth	08·2	+14	WSW	5	c-bc	60	85	56	8	8	–	–	7-8	7-8	2000	0	3	65	58	53	–	–	7·7
The Lizard	07·7	+8	W	5	c-bc	57	97	57	8	8	8	–	7-8	7-8	2500	1	4	65	56	*	1	·1	9·6
Scilly (St. Mary's)	07·1	+10	W'S	5	c/pr	67	92	54	8	8	6	5	4-6	9	1200	1	4	67	56	*	17	2	7·2
Guernsey																							
Pembroke	03·8	[illegible]	W'S	6	beq	59	85	55	8	2	6	–	4-6	4-6	2500	1	4	64	57	*	Tr	0·5	7·2
Holyhead (Valley)	01·5	+6	SSW	6	bc	59	85	54	8	8	4	–	4-6	4-6	1500	1	5	65	56	54	0·5	0·6	*
Chester (Sealand)	02·7	+2	S'W	2	b-bc	56	85	52	7	5	4	–	2-3	2-3	3500	0	*	73	52	44	1	–	4·9
Manchester	03·9	+6	S	4	b-bc	56	85	51	7	5	–	–	2-3	2-3	3000	1	*	68	53	49	3	–	*
Spurn Head	05·6	+10	SW	4	b-bc	*	*	*	8	1	4	–	2-3	2-3	2500	0	1	*	*	*	*	*	1·5
Catterick (Sc)	03·4	+6	S	2	bc	53	92	51	7	5	3	–	4-6	4-6	2500	1	*	68	48	40	*	Tr	0·6
Tynemouth	02·8	+4	SSW	3	b	55	85	51	7	–	–	–	0	0	–	1	2	65	52	49	7	–	*
St. Abbs Head	00·6	0	SSW	3	bc	52	85	48	8	4	–	–	4-6	4-6	4000	0	3	59	48	*	10	–	*
Leuchars	00·0	+6	SE	2	bc	55	92	53	8	5	3	–	2-3	4-6	3000	1	*	61	48	40	10	–	1·3
Renfrew (Abbots I.)	98·8	+2	SSE	1	bc	57	85	52	7	8	–	–	4-6	4-6	2500	1	*	66	56	47	0·1	0·1	2·6
Eskdalemuir	99·7	+2	SSE	4	rf	52	97	51	3	6	2	–	7-8	10	300	1	*	62	51	47	3	4	1·8
Point of Ayre	99·6	0	SW'S	3	b	58	85	52	8	2	4	–	Tr	1	1600	0	3	67	53	*	–	–	5·7
Tiree	94·2	-2	SSE	6	rr	56	97	56	7	5	–	–	10	10	600	1	4	63	55	52	Tr	0·2	3·4
Stornoway	95·6	-2	S	3	c-bc	56	97	56	8	8	3	4	4-6	7-8	2200	1	1	64	51	43	7	0·6	2·4
Dalwhinnie	97·2	0	SSE	4	c	53	75	46	7	5	–	–	9+	9+	1500	1	*	60	46	37	0·5	1	0·8
Aberdeen †	00·3	+4	WSW	1	c-bc	54	92	52	8	5	3	–	2-3	7-8	2500	1		60	52	46	9	0·6	1·1
Wick	98·1	+6	S	4	b	55	92	53	8	5	3	–	Tr	1	3000	1	*	60	50	47	3	3	*
Sumburgh	98·5	+10	S	4	d_0d_0	53	97	53	4	5	–	–	10	10	<150	1	2	61	52	52	0·1	0·4	4·9
Blacksod Point	93·3	+14	W'N	4	c	57	85	53	7	6	–	–	9+	9+	1500	1	3	62	54	*	0·5	8	*
Malin Head	92·8	0	SSE	5	c-bc	57	85	53	8	5	–	–	7-8	7-8	2500	2	4	64	54		1	0·2	2·5
Aldergrove	96·8	+2	S	3	c	54	85	51	8	5	–	–	9	9+	1500	1	*	67	52	–	1	1	4·4
Birr Castle	97·9	-2	SSW	4	c	56	85	52	8	5	2	–	7-8	9+	2500	1	*	67	53	50	0·6	1	6·3
Valentia Obsy.	00·7	+6	WSW	5	c/pr	57	97	56	7	5	–	–	9+	9+	1500	1	4	63	54	52	1	4	5·1
Roches Point	01·4	+2	W'S	4	bc	57	92	55	8	5	–	5	2-3	4-6	1500	1	4	63	56	·	0·2	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 21st August $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 22nd August $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	31	02752	13326	57	10745	10268	5-	45328	19348	53	01753	18313
115	54	02944	08126	52	62734	12267	52	02734	12227			
203							5-	02847	12227			
206	57	61964	08322	52	62855	06268	53	04763	00054	83	02964	00015
210	52	61865	06168	52	62864	07167				53	01863	15313
219				86	02845	12326	8-	82744	13438	9-	81744	14487
230	5-	81758	00088	84	01953	00084	5-	01854	20124	87	02947	10287
245	52	62526	10168	73	22754	17165	5-	01633	20269	54	01752	17113
260				86	02745	00025				50	01853	16313
278	87	02844	15367	74	01853	15313	83	02752	16325	57	02845	14327
279	62	62635	22168	24	01363	18464	20	01854	16324	24	25853	16484
285				23	01744	02484						
288	52	22645	48468	17	02862	17326	54	02766	18266	54	01761	18311
575	87	02854	16226	96	25855	16185	8-	25746	16386	57	61846	16357
301	57	61643	20367	86	01854	21265	00	00790	12310	24	01852	14413
321	52	62644	18368	87	05664	18267	53	05665	18227	5-	05647	16327
290	50	05645	14315	57	05636	00068	43	02754	22215	04	05690	22201
292	87	25645	18328	57	17653	20267	04	05530	16113	44	05663	16414
310	--	02625	[illegible]									
614				37	02755	18227	03	05590	22223	54	02745	20217

III	13h. G.M.T. 21st August $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 22nd August $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
338	26	02855	18327	26	01853	19413	23	25854	17486	26	01755	19416
334												
340	87	02854	18226	86	01953	22424	04	02890	16311	54	01952	15412
136	77	02845	16467	57	02864	20267	00	05690	20223	00	01790	20313
336	21	81745	20366	10	01753	20313						
850				57	02871	16326	00	00790	18210	04	01790	18301
368	8-	81744	26387	57	25954	22385	54	01754	20414	84	25735	24485
379	52	02735	22328	27	25858	20287	00	00890	20220	53	02634	18325
390	82	05644	16327	57	22664	22267	03	05690	18212	50	05562	14202
382	77	02856	20267	37	02854	26324	00	01890	21121	53	01864	21314
438	82	25754	21388	8-	02757	22387	83	01744	22414	84	01754	22414
430	52	62745	20568	74	22954	20264	50	01843	23213	5-	02744	10125
409	87	02554	21325	26	01843	23413	53	61846	19327	87	02744	19426

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 22nd August
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	kq,prr	ircir	irbcbo
Croydon	cir,ccir	cir,cr,cir	cbcbubbc
Greenwich	c	cir	cpcbc
Camden Square	c	c	*
Kensington	bccpc	cpc	*
Hampstead	bcp	bc	bc

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

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	69	56	48	0·2	Tr	0·7	*	*
Croydon	69	54	50	0·1	Tr	0·8	*	*
Greenwich	70	52	42	Tr	Tr	0·4	81	64
Westminster	69	57	51		–		89	74
Regents Park								
Camden Square	69	55	49	0·3	-	*	*	69
Kensington	70	55	50	0·3	-		79	67
Hampstead	67	52	49	0·1	-		*	53

SECRET

Page 1 BRITISH SECTION

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

Monday 23rd August 1943

No. 29859

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

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)	09·2	+12	SW'W	4	c-bc	67	55	48	8	8	4	–	7-8	7-8	2500
	Croydon	10·1	+4	SW	4	c-bc	69	45	49	8	2	–	–	7-8	7-8	3000
	S. Farnborough	09·7	+6	SW	5	bc/pr	67	55	50	8	8	–	–	4-6	4-6	2500
	Boscombe Down	09·4	+8	SSW	4	bc	65	65	55	8	2	6	–	4-6	4-6	2500
	Thorney Island	10·7	+10	SW	5	bc	68	55	51	8	2	6	–	4-6	4-6	1800
	Lympne	11·2	+12	SW	5	c-bc	66	65	52	8	2	–	5	4-6	7-8	2500
	Manston	10·4	+6	SW'S	6	bc	69	55	52	8	2	–	8	4-6	4-6	2000
	Shoeburyness	09·8	0	SW	3	c-bc	73	55	57	7	1	4	–	4-6	7-8	4000
	Felixstowe	09·3	+2	S'W	4	bc	71	55	53	8	2	1	–	2-3	4-6	4000
	Gorleston	08·4	+2	S'W	4	cbcjp	69	55	50	7	1	–	–	7-8	7-8	2000
	Mildenhall	08·1	+2	SW'S	4	cbc	70	65	51	8	7	–	–	2-3	7-8	4000
	Cranwell	06·3	+2	SW'S	4	c-bc	71	55	52	9	2	–	–	7-8	7-8	3000
3	Birmingham	06·0	+2	SSW	4	c	66	55	48	8	8	–	–	9	9	2500
	Upper Heyford	07·5	+4	SSW	4	cbc/pr	63	75	53	8	3	–	3	7-8	7-8	3500
4	Ross-on-Wye	06·7	0	SW	4	bc	64	75	54	8	2	–	3	4-6	4-6	3000
5	Hartland Point	07·1	+12	W	5	cjp	60	85	56	8	3	6	8	2-3	9	1200
	Bristol	08·2	+8	WSW	3	tlr	60	86	57	6	9	–	–	9+	9+	1500
	Portland Bill	08·0	+4	SW	5	bc	61	85	58	8	1	–	–	4-6	4-6	1500
	Plymouth	09·8	+10	WSW	5	c/pr	62	85	59	7	8	3	6	4-6	10	2000
	The Lizard	09·7	+10	WSW	5	pr	60	92	58	7	2	6	–	7-8	7-8	1500
	Scilly (St. Mary's)	09·7	+16	W	5	cbc	62	75	54	8	8	7	3	4-6	7-8	1200
	Guernsey															
6	Pembroke	06·6	+10	WSW	6	cq	62	85	57	7	2	4	1	4-6	7-8	2500
7	Holyhead (Valley)	02·7	+8	SSW	6	c	62	85	55	7	5	7	–	7-8	9+	2000
	Chester (Sealand)	03·5	+2	W	4	cbc	66	55	51	8	8	–	–	7-8	7-8	1500
8	Manchester	04·9	+2	SW'W	3	pr	60	85	57	7	3	6	3	4-6	7-8	2000
10	Spurn Head	06·4	+4	SW	4	bc	*	*	*	8	2	–	–	4-6	4-6	2500
	Catterick (Sc)	02·9	-4	SSW	4	cbc	69	65	55	7	8	–	–	7-8	7-8	2500
	Tynemouth	03·2	-4	SSW	6	bc	68	65	55	7	2	3	–	2-3	4-6	2500
11	St. Abbs Head	00·0	0	S	4	bc	66	55	51	8	2	4	–	4-6	4-6	4000
	Leuchars	99·3	-6	S	5	cjp	65	65	54	8	8	3	–	7-8	9	2000
12	Renfrew (Abbots I.)	98·6	-2	S'W	4	c/pr	63	65	51	8	8	7	–	9	9+	2500
	Eskdalemuir	99·9	0	S'W	6	c	59	75	51	8	5	3	–	9	9	1600
	Point of Ayre	99·9	0	SW	6	c	65	65	54	8	8	4	–	4-6	9+	1800
13A	Tiree	93·6	-10	SSE	7	c/r	57	97	57	8	5	2	–	9	10	300
13B	Stornoway	95·8	+6	SSE	2	i6	57	92	55	8	5	2	–	4-6	10	2800
15	Dalwhinnie	98·0	+2	SSE	4	c	56	75	48	7	5	–	–	9+	9+	2600
	Aberdeen	00·3	0	S'E	3	b	62	75	54	8	8	–	–	1	1	2500
	Wick	98·6	+2	SSE	3	b-bc	61	85	57	8	8	4	–	1	2-3	3000
16	Sumburgh	00·8	+14	SSE	4	b	59	85	54	8	5	–	–	Tr	Tr	5700
17	Blacksod Point	99·9	+32	NNW	6	c	62	75	54	7	8	5	–	9	9+	1500
18	Malin Head	93·5	+10	SW	6	pr	57	85	52	8	9	–	–	9+	9+	2500
	Aldergrove	97·2	+6	SW'W	4	pr	60	75	53	6	8	–	–	9	10	1500
19	Birr Castle	01·3	+22	SW	4	cbc	63	75	55	8	8	–	–	7-8	7-8	1500
20	Valentia Obsy.	06·8	+30	W	8	cbc/pr	61	85	56	8	2	6	–	4-6	7-8	1500
	Roches Point	04·6	+22	W'N	4	cbc/pr	62	85	57	8	3	–	3	4-6	7-8	1500

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

Stations	Barom. at M.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)	10·5	+8	SW	4	c-bc	64	65	52	8	8	–	–	4-6	7-8	2500	1	*
Croydon	11·4	+10	SSW	5	bcjp	64	65	52	9	3	–	5	2-3	4-6	2000	0	*
S. Farnborough	10·6	+6	WSW	3	pr	63	75	54	8	8	6	3	4-6	7-8	1800	1	*
Boscombe Down	10·3	+6	SW	4	c-bc	62	75	55	7	2	9	3	2-3	7-8	2000	1	*
Thorney Island	11·5	+2	SSW	4	bc	63	75	55	9	8	3	–	4-6	4-6	1500	0	*
Lympne	12·3	+10	SW	4	b-bc	61	75	53	8	1	–	2	2-3	2-3	2500	0	4
Manston	11·7	+6	SW'S	4	bcjp	63	65	50	8	1	–	8	2-3	4-6	2000	0	
Shoeburyness	11·2	+4	SSW	3	bc	65	65	53	8	1	7	–	4-6	4-6	4000	0	*
Felixstowe	09·8	+6	SW'S	5	b-bc	67	55	50	8	–	3	3	0	2-3	–	0	5
Gorleston	09·0	+12	SW'S	3	bc/pr	67	55	51	7	8	–	2	4-6	4-6	1500	0	4
Mildenhall	08·4	+2	SW'W	4	bc	67	45	49	8	3	6	–	4-6	4-6	2500	0	*
Cranwell	06·9	+6	SW	5	bc	66	55	52	9	8	6	1	4-6	4-6	2500	0	*
Birmingham	07·2	+10	SW	3	bc	64	55	48	8	8	–	1	2-3	4-6	4000	1	*
Upper Heyford	08·7	+14	SW	4	c-bc	61	75	53	9	3	3	3	2-3	7-8	3500	0	*
Ross-on-Wye	07·6	+10	SW	5	ir	61	75	52	8	8	–	1	9	9+	3000	1	*
Hartland Point	08·6	+12	W	5	c/r	60	92	58	8	8	6	4	4-6	9	1200	1	4
Bristol	09·9	+10	W'S	3	pr	60	85	55	8	3	6	8	4-6	9	2000	1	*
Portland Bill	10·0	+20	SW	5	bc	61	85	57	8	1	–	–	4-6	4-6	4000	1	5
Plymouth	11·7	+14	WSW	5	pr	61	97	60	6	8	7	–	7-8	9+	1000	1	3
The Lizard	13·1	+14	W	4	bc	59	85	55	7	2	3	–	4-6	4-6	2500	0	4
Scilly (St. Mary's)	11·6	+14	W	5	bcjp	62	75	55	8	8	6	–	4-6	4-6	1500	0	4
Guernsey																	
Pembroke	07·7	+12	W	6	bc	60	92	57	7	2	4	1	2-3	4-6	2500	0	4
Holyhead (Valley)	04·8	+16	SW	5	c-bc	62	75	55	8	8	4	–	4-6	7-8	2500	1	5
Chester (Sealand)	04·6	+10	WSW	4	c-bc	62	75	54	8	8	7	–	4-6	7-8	3000	0	*
Manchester	05·8	+6	SSW	4	c	61	85	55	8	4	6	–	4-6	9	2500	1	*
Spurn Head	06·2	0	SW	4	bc	*	*	*	8	2	4	–	4-6	4-6	2500	0	3
Catterick (Sc)	04·1	+12	SSW	3	pr	59	92	56	6	9	7	–	7-8	9	1500	0	*
Tynemouth	04·0	+8	SSW	5	c-bc/pr	63	75	56	7	2	3	–	4-6	7-8	2000	1	3
St. Abbs Head	99·8	+2	SSW	5	c-bc	63	65	52	8	2	4	–	4-6	7-8	3500	0	4
Leuchars	99·4	+2	S	5	bc	61	75	63	8	4	4	–	4-6	4-6	4000	0	*
Renfrew (Abbots I.)	98·5	+2	SSW	4	c/pr	61	75	54	7	9	6	–	7-8	9	2500	1	*
Eskdalemuir	00·3	+2	SSW	5	PR	57	92	54	6	6	2	–	7-8	10	900	1	*
Point of Ayre	01·8	+10	W'S	5	bc	63	75	55	8	4	9	–	Tr	4-6	2000	0	4
Tiree	94·0	+4	WSW	4	c	57	92	55	8	6	–	–	4-6	9	500	1	4
Stornoway	94·9	-6	NE	1	c/r	56	97	55	8	5	7	–	7-8	10	1600	1	1
Dalwhinnie	96·0	-6	S	4	pr	55	85	49	7	5	6	–	4-6	4-6	2500	1	*
Aberdeen	99·5	-6	S'E	5	c	59	85	55	7	5	–	–	2-3	2-3	4000	1	2
Wick	97·5	-2	SE	5	c-bc	58	97	56	7	4	4	1	4-6	7-8	3500	0	*
Sumburgh	00·7	-2	SSE	5	b	58	85	53	8	5	–	–	1	1	900	1	2
Blacksod Point	94·0	+22	W'N	6	c/pr	58	85	55	7	9	–	–	9+	9+	1500	1	5
Malin Head	97·1	+28	W	7	pr	57	92	55	8	9	–	–	9	9	1500	2	5
Aldergrove	01·2	+30	WSW	4	c	60	75	53	8	8	4	–	4-6	9	1700	2	*
Birr Castle	04·9	+22	W	3	c-bc	61	75	53	8	8	–	–	7-8	7-8	1500	1	*
Valentia Obsy.	09·9	+20	W'N	4	c/pr	58	85	53	8	8	–	–	9	9	1500	1	4
Roches Point	07·7	+20	WNW	4	bc	63	85	58	8	3	3	–	4-6	4-6	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.–13h. 22nd (39)	Weather 13h.–18h. 22nd (40)	Weather 18h. 22nd to 1h. 23rd (41)	Weather 1h.–7h. 23rd (42)
London (Kew)	procbc	beyprbc	bc	bcw
Croydon	bccbcy	bcybcjp	bbcc	bw
S. Farnborough	bccprobc	bcpRobcpr	bcpr·cb	bwb
Boscombe Down	cwbccprobc	ycccpRc	cbcc	cbbwlcw
Thorney Island	cbcbcy	bcycbc	bcc pr·c	bcpr·bc
Lympne	bc	bcb	bwbcw	cbc
Manston	bcbcy	bcby	b	bcw
Shoeburyness	cy	bcybc	bc	bcw
Felixstowe	bcbcy	bcyby	bcb	bbcb
Gorleston	bc	bcprqy	bcyb	b
Mildenhall	cbccy	cbcy	b	b
Cranwell	bccy	bccpr·yv	bcyvb	cbc
Birmingham	cbcc	cpr·bc	cp·	bc
Upper Heyford	bccbcpr·	cpr·c	cbcb	bccm·c
Ross-on-Wye	tbct	bcctbc	p·cb	bc
Hartland Point	bcpr	ccprirc	bc pr	bcc
Bristol	cprodccproc	ctlrcp	cprbbp	bccpr
Portland Bill	c	c	c	bcc
Plymouth	cbcpr·c	cpr·	cbc	bcc
The Lizard	bccpr	cprbc	bcc	bcc
Scilly (St. Mary's)	cp·c	c	bcp·c	cp·c
Guernsey				
Pembroke	cprq	c	bccq	bcqc
Holyhead (Valley)	cbcc	cbcc	bbcb	bbcc
Chester (Sealand)	bbcpr·	cypr·	cpr·mob	bcm·c
Manchester	cpRbc	pr·prq	cbccpr	bcbm·
Spurn Head	bc	bc	bcb	bc
Catterick (Sc)	c	cpr·	bc	bc pr·bc
Tynemouth	bbc	bccp·tl	cpr·c	cbcm·
St. Abbs Head	bc	bccprbc	bcc	cbc
Leuchars	bcycpr·	cprjpc	cbcb	bcbcw
Renfrew (Abbots I.)	cbcprc	ccpRpr·	cm·cm·	cm·wcpr·
Eskdalemuir	pR irrc	ci Rom·	cm·	cm·
Point of Ayre	bcc	cbc	cbc	b
Tiree	cr·cdr·r·c	ccpr·c	cbcc	bccid·c
Stornoway	cpr·r·cir·	cr·r·rc	crrm·crm	crrccir·
Dalwhinnie	c	corbc	*	bcoirc
Aberdeen	cbcb	bbcpr·	b	bbc
Wick	b	cpr·c	bccbc	bcc
Sumburgh	d·ofb	b	bcmdbbc	bcb,cw
Blacksod Point	pr	pr	pr	pr
Malin Head	r	pr	pr	pr
Aldergrove	ccidcpr	prbcRbc	ccpr·bcc	ccid·
Birr Castle	pr	pr	*	pr
Valentia Obsy.	pr	pr	pr	pr
Roches Point	pr	pr	pr	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 23rd August

Districts	Forecast
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands 10 N.E. England 11 S.E. Scotland	Moderate to light southwest to west wind backing and increasing slowly later. Bright intervals and showers at first with local thunderstorms; mainly fair later; cool.
12 S.W. Scotland & Isle of Man 13A W. Scotland 13B N.W. Scotland 14 Mid Scotland	Moderate west wind backing north later, fresh locally. Bright intervals and showers at first; rain later: cool.
15 N.E. Scotland	Moderate southwest wind; bright intervals; showers, local
16 Orkneys and Shetlands	thunderstorms: cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 12-14

GENERAL INFERENCE

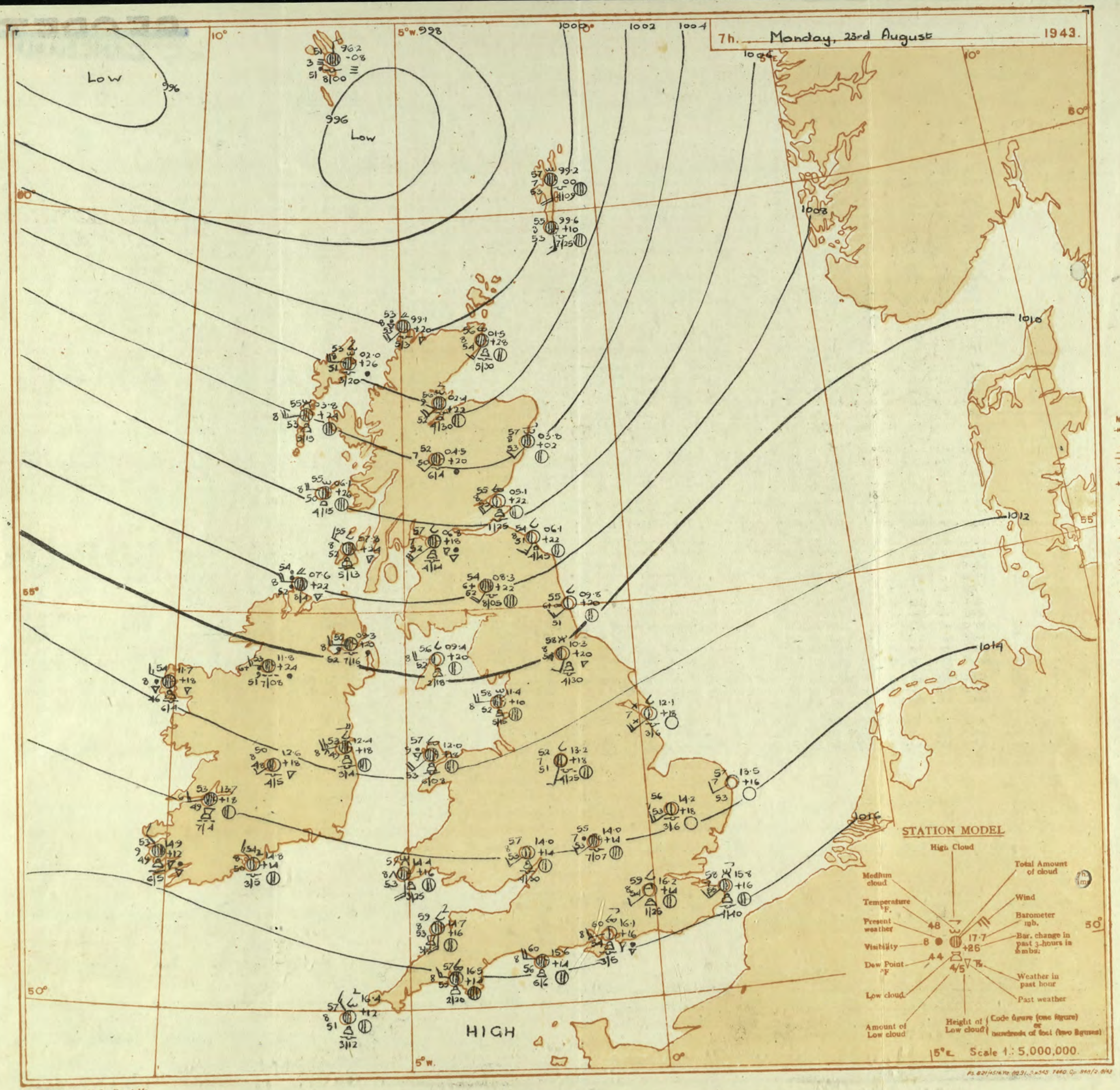
A complex depression northwest of Scotland is moving slowly west and and a depression is expected to approach Northwest Ireland from the Atlantic. There will be bright intervals and showers at first but weather will become mainly fair temporarily, later. Rain is expected in the West and Northwest tomorrow mornin(g).

FURTHER OUTLOOK

Rain spreading northeast across the British Isles but amounts in the South probably small.

Forecasts issued at 1300

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

Barometer. Isobars are drawn for intervals of four millibars.

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

Temperature is given in degrees F.

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

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

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

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

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

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

All times are G.M.T. Add one hour to get summer time.

Page 4.

BRITISH SECTION

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

Monday 23rd August 1943

No. 29859

OBSERVATIONS at 1 hr. G.M.T. 23rd August — OBSERVATIONS at 7 hr. G.M.T. 23rd August — PAST 24 HOURS.

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0-9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0-10 (13)	Cloud Amount Total 0-10 (14)	Height of Base (feet) (15)	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0-12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0-9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0-10 (28)	Cloud Amount Total 0-10 (29)	Height of Base (feet) (30)	State of Ground 0-9 (31)	Sea 0-9 (32)	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)	18	*	*	*	*	*	59	*	*	*	*	*	*	*	*	*	15.0	+14	SW	3	b-bc	59	85	53	8	8	-	-	2-3	2-3	2500	0	*	69	55	48	Tr	-	10.0
	Croydon	290	14.1	+10	SW	2	b-bc	57	85	54	7	5	-	-	2-3	2-3	5000	16.2	+14	SW	2	b	59	85	54	8	2	4	-	Tr	1	2500	1	*	71	54	50	-	-	11.3
	S. Farnborough	226	13.4	+8	WSW	2	b	57	92	53	7	5	-	-	Tr	Tr	3500	16.7	+26	WSW	4	b	58	85	54	8	2	4	-	1	1	3000	0	*	69	54	48	0.3	-	10.1
	Boscombe Down	417	13.7	+10	SW'S	1	c	54	92	51	8	5	-	-	9	9	1700	15.7	+16	SW'W	2	c-bc	54	92	52	7	1	3	4	1	7-8	2500	0	*	67	51	48	3	Tr	6.7
	Thorney Island	10	13.9	+4	SW'W	3	cbc	59	85	54	8	8	-	-	7-8	7-8	2500	16.1	+16	WSW	3	b-bc/pr	60	85	54	8	8	7	3	2-3	2-3	2500	1	*	68	57	54	-	Tr	*
	Lympne	283	14.4	+4	W	2	pr	55	92	54	8	2	-	4	2-3	4-6	3000	16.4	+14	W'S	2	cbc	59	92	58	8	8	-	-	7-8	7-8	1500	1	4	67	54	53	-	5	11.3
	Manston	154	13.7	+6	SW'S	3	b	56	85	53	8	-	4	-	0	Tr	-	15.8	+16	SW	3	bc	58	85	55	7	8	6	3	4-6	4-6	4000	0	*	70	54	51	-	-	11.6
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15.9	+16	WSW	3	b-bc	60	85	55	8	1	4	-	1	2-3	4000	1	*	79	56	51	-	-	[illegible]
	Felixstowe	12	13.5	-18	SW	4	b	59	75	52	8	-	-	-	0	0	-	15.0	+16	SW'W	3	b	59	85	53	8	-	-	-	0	0	-	0	3	72	56	53	-	-	[illegible]
	Gorleston	5	11.2	+14	SW'S	3	b	57	85	52	7	-	-	-	0	0	-	13.5	+16	SW'W	2	b	57	85	53	7	-	-	-	0	0	-	0	2	71	55	50	Tr	-	8.5
	Mildenhall	15	11.6	+10	SW'S	4	b	57	85	53	8	-	3	-	0	1	-	14.2	+18	SW	3	b-bc	56	92	53	7	5	-	-	2-3	2-3	4000	0	*	72	53	46	Tr	-	10.9
	Cranwell	203	09.6	+2	WSW	4	b	55	92	52	7	-	-	-	0	0	-	12.7	+16	WSW	4	b-bc	57	85	53	7	-	4	-	0	2-3	-	1	*	72	53	49	Tr	-	11.3
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13.5	+20	SW	3	bc	54	92	52	8	5	-	-	4-6	4-6	5700	1	*	67	51	44	7	-	7.4
	Upper Heyford	408	11.7	+12	SW'W	3	b	55	97	53	8	5	-	-	Tr	Tr	2000	14.0	+14	SW'W	2	iro	55	92	53	7	5	-	-	9+	9+	700	0	*	69	53	50	0.5	Tr	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14.0	+14	SW	2	bc	57	85	53	8	8	-	-	4-6	4-6	3000	1	*	67	54	47	4	0.1	6.4
5	Hartland Point	299	12.3	+8	W	5	bc	59	85	55	8	3	-	-	4-6	4-6	1500	14.7	+16	S	3	c-bc	59	85	53	8	3	4	6	2-3	7-8	1500	1	4	62	56	52	3	0.4	5.1
	Bristol	209	12.7	+10	WSW	3	b-bc	55	92	53	7	2	-	-	2-3	2-3	2500	15.0	+18	W	1	bc/pr	57	85	53	8	2	6	4	4-6	4-6	1500	1	*	67	54	51	5	3	6.1
	Portland Bill	32	13.8	+18	SW	5	c-bc	60	85	56	8	5	-	-	7-8	7-8	4000	15.6	+14	W	4	c	60	92	56	8	2	-	-	9	9	4000	1	4	62	58	*	-	-	*
	Plymouth	86	14.7	+20	W'N	4	c-bc	58	97	57	7	2	7	-	2-3	7-8	2000	16.5	+14	W	3	c-bc	57	92	55	8	2	7	-	1	7-8	2000	0	2	64	56	50	0.3	-	7.5
	The Lizard	240	15.1	+12	W	5	c	57	85	53	8	5	-	-	9+	9+	2500	16.4	+12	W	3	c-bc	56	92	54	7	8	6	-	7-8	7-8	2500	0	3	64	54	*	1	-	7.9
	Scilly (St. Mary's)	163	15.0	+12	NW'W	4	c-bc	57	85	52	8	8	6	3	4-6	7-8	1200	16.4	+12	NW'W	3	c-bc	57	85	51	8	8	5	5	2-3	7-8	1200	1	4	62	55	*	Tr	0.4	5.5
	Guernsey	175																																						
6	Pembroke	142	11.9	+16	W'N	5	c-bcq	59	85	55	7	2	-	-	7-8	7-8	2500	14.4	+16	S	4	cq	57	85	53	8	2	6	-	2-3	9+	2500	1	3	62	56	*	1	0.3	6.5
7	Holyhead (Valley)	32	09.1	+18	WSW	4	b	57	85	52	8	-	4	-	0	1	-	12.0	+18	SW'S	4	pr	57	85	53	9	8	7	-	9	9+	800	1	3	65	56	52	-	-	*
	Chester (Sealand)	16	08.8	+14	-	0	c-bc	54	92	52	7	7	4	-	4-6	7-8	3500	11.7	+18	W	2	c-bc	58	85	53	8	7	3	-	7-8	7-8	3500	1	*	71	53	44	Tr	0.1	8.3
8	Manchester	230	09.1	+14	SSW	4	bc/pr	54	97	52	7	4	6	-	2-3	4-6	3000	12.1	+18	SW'S	3	c	55	92	52	7	5	3	-	2-3	9	4000	1	*	69	51	48	4	0.5	*
10	Spurn Head	29	08.9	+10	SW'W	4	b	*	*	*	7	-	-	-	0	0	-	12.1	+18	SW	4	b-bc	*	*	*	7	5	4	-	2-3	2-3	4000	0	3	*	*	*	-	-	10.4
	Catterick (Sc)	192	07.0	+4	SW	1	bc	56	92	53	7	5	3	-	4-6	4-6	2500	10.3	+20	SSW	2	bc	58	85	54	8	8	6	-	4-6	4-6	3000	1	*	70	50	42	*	0.3	7.4
	Tynemouth	108	06.3	+14	S	2	c-bc	57	92	54	7	2	3	-	4-6	7-8	1500	09.8	+20	SW	3	z0	55	85	51	6	-	4	-	0	2-3	-	1	2	70	53	50	0.1	0.1	*
11	St. Abbs Head	280	02.5	+6	SSW	4	c-bc	55	85	50	7	5	-	-	7-8	7-8	4000	06.1	+22	SSW	3	bc	54	92	51	8	1	4	-	4-6	4-6	4500	0	3	68	52	*	Tr	—	*
	Leuchars	36	01.3	+10	SW	4	bc	57	85	53	8	5	5	-	1	4-6	2500	05.1	+22	SW	4	b-bc	55	92	53	8	8	7	-	1	2-3	2500	0	*	67	54	50	Tr	-	10.6
12	Renfrew (Abbots I.)	19	03.3	+20	SW	3	c	57	92	54	6	9	-	-	7-8	9	1400	06.8	+18	SW	4	c/pr	57	85	52	7	8	4	-	4-6	9	1400	1	*	66	54	50	1	1	5.4
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	08.3	+22	SSW	4	c	54	92	52	6	5	-	-	10	10	500	0	*	62	52	51	3	1	3.4
	Point of Ayre	30	06.2	+18	W	4	bc	56	92	53	8	2	4	-	Tr	4-6	1800	09.4	+20	W	4	b-bc	56	85	52	8	2	4	-	1	2-3	1800	0	3	69	53	*	-	-	8.1
13A	Tiree	44	01.4	+12	WSW	4	bc	55	92	52	8	2	6	6	2-3	4-6	2000	06.1	+26	W	4	c-bc	55	85	50	8	1	3	-	4-6	7-8	1500	1	2	61	53	51	2	1	1.1
13B	Stornoway	12	97.4	+18	WSW	3	rr	54	97	54	7	5	2	-	9	10	1600	02.0	+26	W	4	c	53	92	51	8	5	3	9	2-3	9	2000	1	2	60	52	47	3	6	1.7
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	04.5	+20	SW	2	c	52	92	50	7	5	-	-	9	9	1500	1	*	56	50	47	2	2	2.4
	Aberdeen †	79	99.6	+6	SSW	4	b-bc	56	85	52	8	5	-	-	2-3	2-3	2800	03.8	+2	SW	2	c-bc	57	85	53	8	-	3	1	0	7-8	-	0	1	63	55	51	Tr	-	10.3
	Wick	114	97.2	0	SSE	3	bc	55	97	54	8	5	3	-	4-6	4-6	3000	01.5	+28	SSW	3	c	56	92	54	8	8	7	-	7-8	9+	3000	0	*	62	53	50	-	-	*
16	Sumburgh	19	99.3	-10	SES	5	b-bc	56	92	53	7	5	-	-	2-3	2-3	800	99.6	+10	S'E	3	c	55	92	53	8	5	-	-	9+	9+	2500	1	3	60	55	51	0.1	-	9.1
17	Blacksod Point	18	08.4	+18	W'N	5	pr	54	92	52	7	9	-	-	9+	9+	1500	11.7	+18	W'N	3	pr	54	75	46	8	8	-	-	9	9	1500	1	3	62	52	*	1	2	*
18	Malin Head	84	03.7	+22	W'S	5	pr	57	92	55	8	8	-	-	9+	9+	1500	07.6	+22	W	4	iR	54	92	52	8	-	2	-	10	10	1500	2	4	64	52		1	3	1.6
	Aldergrove	268	05.9	+14	WSW	4	c	55	85	52	8	5	-	-	10	10	2500	09.3	+20	W'S	3	id0	55	85	52	8	5	-	-	9+	9+	1600	1	*	61	53	52	2	0.2	4.4
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12.6	+18	SW	1	bc	50	92	48	8	5	-	-	4-6	4-6	2500	1	*	63	48	44	4	0.3	5.4
20	Valentia Obsy.	30	13.1	+10	WNW	3	b-bc	55	75	48	8	5	-	-	2-3	2-3	2500	14.9	+12	NW'W	2	c/pr	53	85	49	9	8	-	-	9	9	2500	2	1	61	53	50	0.4	0.4	5.5
	Roches Point	22	12.6	+14	WNW	3	bc	55	92	53	8	5	3	-	4-6	4-6	1500	14.8	+14	WNW	3	bc	54	85	50	8	5	-	5	2-3	4-6	2500	1	3	65	54	*	0.6	0.1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC	13h. G.M.T. 22nd August $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 23rd August $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
199	10	01861	15501	57	02764	46525	53	05645	48426	87	81846	20327
115	54	02954	18126	37	25944	12176	52	02735	16268	52	81835	20488
203							5-	22848	20468			
206	86	02965	18427				5-	02855	20325	73	02964	20415
210	2-	02956	14426				40	01864	16424	53	02964	23325
219	8-	25745	14487	2-	25739	32185	86	02844	24585	26	02845	23525
230	52	64746	12168	5-	63645	16168	8-	25747	53487	86	25646	20387
245	8-	02775	14415	86	02765	50485	5-	02756	20426	53	02853	24114
260	26	01854	16414	40	01753	16414	2-	81654	49518	53	05653	20325
278	8-	81848	49428	9-	02824	22486	57	02865	22426			
279	26	02855	51726	86	01754	53725	53	02745	20486	27	81845	24386
285										23	02745	22486
288	20	02755	16515	37	05654	17485	53	01763	18314	26	01853	18414
575	2-	81855	57585	86	10864	22485	2-	81746	24586	6-	58637	24367
301	36	81944	20585	46	02863	51486	54	01858	22583	23	02845	24426
321	8-	02756	18426	86	01854	20394	04	05690	20312	04	05690	20321
290	50	01754	22414	80	61765	22469	00	00790	22200	40	05653	22313
292				26	02754	51425	04	05690	16213			
310												
614				86	01753	20223	50	01761	20201	07	03530	20201

IIIC	13h. G.M.T. 22nd August $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 23rd August $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
338	24	02756	52587	56	02753	53525	5-	01763	20113			
334										--	63646	24287
340	86	82964	22685	96	81745	---59	53	02854	18315	57	02854	20225
136	20	02865	20415	86	01964	20484	00	00890	21280	16	01733	21314
336										53	01753	20415
350	2-	02855	19415	26	25863	20384	40	01863	18313	5-	02737	22317
368	8-	81855	24585	57	25834	24486	8-	25744	24484	84	25744	24287
379				17	02853	55595	50	01854	02814	57	22347	14553
390	36	05665	22415	80	25753	16483	53	01752	16213	50	05653	18303
382	86	25854	20534	36	25953	22384	04	01850	22281	54	01863	23313
438										80	01754	22514
430	10	01854	51524	2-	02855	53425	2-	01754	22514	36	01753	20114
400	87	25854	21526	87	25834	21487	23	02746	23427	83	02854	25225

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 23rd August. 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	pr-cbc	bcy pr-bc	bcw	Kew 24 hours ended 7h. Max. [illegible] Time
Croydon	bc-bcy	bcy bcjp	bbccbw	<0.1 Whole period
Greenwich	cpy	bcy	bc	Min. Time
Camden Square	bc	bc	*	
Kensington	bcv	bc	*	
Hampstead	bcpor	bc	bcv	

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	69	55	48	Tr	-	10.0	*	*
Croydon	71	54	50	-	-	11.3	*	*
Greenwich	72	53	48	0.3	-	10.2	44	63
Westminster	71	56	51	0.2			76	73
Regents Park	71	55	51	-	1		40	70
Camden Square	72	55	50	-	1	*	*	71
Kensington	71	54	51	Tr	1		62	65
Hampstead	69	52	49	4	-		*	79

SECRET CANCELLED!

Page 1 **BRITISH SECTION**

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

Tuesday, 24 August 1943

No. 29860

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

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)	16·6	+2	WSW	4	c-bc	67	45	43	8	2	-	4	7-8	7-8	2500
	Croydon	17·1	+2	WSW	4	bc	70	45	45	9	2	-	-	4-6	4-6	3000
	S. Farnborough	17·0	+6	W's	3	c-bc	69	45	46	8	2	-	-	4-6	7-8	3000
	Boscombe Down	16·9	+2	WNW	3	c	65	55	49	9	2	-	-	9	9	3500
	Thorney Island	17·4	+4	SSW	3	bc	70	45	49	9	2	3	-	4-6	4-6	2500
	Lympne	17·1	+2	WSW	4	bc	68	65	53	8	2	-	3	2-3	4-6	2500
	Manston	16·4	+2	SW	4	bc	71	45	46	9	3	6	3	4-6	4-6	2800
2	Shoeburyness	16·8	+2	W's	2	c-bc	69	55	53	8	1	-	2	4-6	7-8	4000
	Felixstowe	15·8	+2	SW	4	c	72	45	49	8	3	-	3	7-8	9	4000
	Gorleston	14·8	+4	WNW	3	c-bc/pr	70	55	52	7	8	-	-	7-8	7-8	2200
	Mildenhall	15·0	+2	SW	3	c	67	55	49	8	2	6	2	4-6	9	4000
	Cranwell	14·1	+2	W's	3	c	67	65	52	7	8	-	1	7-8	9	3000
3	Birmingham	14·8	+6	WSW	3	bc	66	45	54	8	2	-	2	2-3	4-6	4000
	Upper Heyford	15·8	+10	SW	3	pr	63	65	52	8	3	-	3	4-6	9	2500
4	Ross-on-Wye	15·3	+4	W's	3	c-bc	65	55	47	9	8	-	1	4-6	7-8	3500
5	Hartland Point	17·0	+10	W	3	bc	62	75	53	8	3	6	-	4-6	4-6	1500
	Bristol	16·7	+4	W	3	bc/pr	63	55	48	8	2	6	3	4-6	4-6	2500
	Portland Bill	17·7	+6	SW	4	bc	62	85	59	8	2	-	-	4-6	4-6	4000
	Plymouth	18·0	+6	W's	3	c-bc	62	85	57	8	8	4	2	2-3	7-8	2500
	The Lizard	18·1	+8	WNW	3	c-bc	63	65	52	8	2	9	-	7-8	7-8	3000
	Scilly (St. Mary's)	18·2	+6	W's	2	c	66	45	50	9	8	4	2	4-6	9	1800
	Guernsey															
6	Pembroke	17·0	+8	W	3	bc	60	75	52	8	2	7	1	2-3	4-6	2500
7	Holyhead (Valley)	15·2	+14	WSW	4	c-bc	62	65	49	8	2	6	2	2-3	7-8	2500
	Chester (Sealand)	15·0	+18	WNW	3	rr	61	75	52	8	8	2	-	4-6	9+	2500
8	Manchester	14·7	+18	WSW	2	PR	58	92	56	6	9	6	-	9	9+	1500
10	Spurn Head	14·1	+8	SW	3	c-bc	*	*	*	7	2	3	-	4-6	7-8	2500
	Catterick (Sc)	12·3	+8	W	3	c-bc	63	65	52	8	2	6	-	4-6	7-8	3000
	Tynemouth	11·6	+8	WSW	4	bc	67	65	54	7	2	-	-	4-6	4-6	1800
11	St. Abbs Head	09·2	+10	SSW	3	pr	61	75	52	8	2	6	-	4-6	7-8	3000
	Leuchars	08·5	+14	WSW	4	bc	67	65	53	9	2	3	-	4-6	4-6	2000
12	Renfrew (Abbots I.)	10·4	+16	W's	3	pr	60	75	51	9	8	7	-	4-6	9	1200
	Eskdalemuir	11·1	+16	SW'W	4	o/pr	54	92	52	6	5	-	-	10	10	900
	Point of Ayre	13·0	+14	WNW	4	bc	65	65	54	8	2	4	-	2-3	4-6	2000
13A	Tiree	10·1	+20	W	5	o/pr	58	85	54	8	8	-	-	9+	9+	2500
13B	Stornoway	06·6	+28	W	5	c-bc	59	65	49	8	8	3	-	4-6	7-8	1800
15	Dalwhinnie	07·8	+20	SW	3	pr	54	85	50	7	5	-	-	9+	9+	1500
	Aberdeen	07·1	+14	WNW	3	pr	66	55	49	8	8	4	-	7-8	7-8	4000
	Wick	05·7	+18	WSW	4	bc/pr	64	65	52	9	9	4	-	4-6	4-6	2500
16	Sumburgh	03·9	+24	SW	4	bc	57	85	53	8	8	6	1	2-3	4-6	2500
17	Blacksod Point	13·8	+6	W	3	bc	60	65	48	8	8	3	5	2-3	4-6	2500
18	Malin Head	11·6	+20	W'N	3	pr	56	75	48	8	2	-	-	4-6	4-6	1500
	Aldergrove	12·4	+10	W's	3	c	62	55	47	9	8	-	8	9	9+	2000
19	Birr Castle	14·5	+8	SW	2	c	61	65	49	8	8	7	-	7-8	9	1500
20	Valentia Obsy.	16·3	+6	W'N	1	bc/pr	59	75	51	9	8	-	1	4-6	4-6	4000
	Roches Point	16·4	+6	WSW	3	c-bc/pr	59	85	54	8	3	3	5	4-6	7-8	1500

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

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)	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)	17·4	+14	SW	3	roro	62	75	55	8	8	-	4	7-8	7-8	2500	1	•
Croydon	18·1	+8	W	2	bc	61	75	52	9	3	4	4	2-3	4-6	2500	1	•
S. Farnborough	17·9	+12	W'N	2	c/pr	58	85	55	8	8	6	3	9	9+	1800	1	•
Boscombe Down	17·6	+4	WNW	2	c	60	75	53	8	3	3	-	7-8	9	2500	0	•
Thorney Island	17·7	0	SW'W	3	bc	64	65	51	9	2	6	2	2-3	4-6	2500	0	•
Lympne	17·9	+4	WSW	3	bc	62	65	51	9	2	6	3	Tr	4-6	2500	0	4
Manston	17·4	+6	SW	4	bc	65	65	51	9	1	4	6	Tr	4-6	3000	0	•
Shoeburyness	16·9	0	SW	4	bc	66	65	56	8	2	-	6	2-3	4-6	4000	0	•
Felixstowe	15·9	+2	SSW	3	bc	70	55	50	8	3	-	4	4-6	4-6	2500	0	3
Gorleston	15·6	+12	ENE	2	c-bc	67	65	55	7	8	-	-	7-8	7-8	2500	0	3
Mildenhall	15·7	+6	W's	3	bc	69	45	46	8	2	6	1	2-3	4-6	4000	0	•
Cranwell	15·3	+10	WNW	2	c-bc	65	55	50	8	2	6	2	4-6	7-8	3000	0	•
Birmingham	16·0	+8	WNW	3	bc	64	45	43	8	8	4	-	2-3	4-6	4000	1	•
Upper Heyford	16·1	+6	SW'W	3	c-bc	64	55	48	8	8	3	3	7-8	7-8	6000	0	•
Ross-on-Wye	16·2	+6	W	3	b-bc	64	55	49	8	8	-	1	2-3	2-3	3500	0	•
Hartland Point	17·3	+2	WSW	3	bc	58	85	52	8	2	6	6	2-3	4-6	1500	1	3
Bristol	17·2	+6	W	3	bc	63	55	46	9	2	3	3	1	4-6	4000	1	•
Portland Bill	18·3	+2	SW	4	c-bc	61	85	58	8	2	-	-	7-8	7-8	4000	1	4
Plymouth	18·3	+2	W's	3	bc	61	85	55	9	2	-	2	2-3	4-6	2500	0	2
The Lizard	18·1	0	WSW	2	bc	63	65	52	8	2	-	2	2-3	4-6	3000	0	3
Scilly (St. Mary's)	18·4	+2	SW'W	2	bc	62	65	51	8	8	3	8	2-3	4-6	1800	0	3
Guernsey																	
Pembroke	18·0	+8	W's	3	b-bc	59	85	53	8	2	6	-	2-3	2-3	2500	0	3
Holyhead (Valley)	15·9	+4	SW'W	4	c-bc/pr	59	75	52	8	8	6	3	4-6	7-8	1500	1	3
Chester (Sealand)	16·0	-2	NW	2	bc	61	65	51	8	2	-	8	4-6	4-6	3000	1	•
Manchester	15·6	+2	WNW	2	Zo	60	75	54	6	3	6	3	2-3	7-8	2000	1	•
Spurn Head	15·3	0	W'N	3	c-bc	*	*	*	7	7	3	-	4-6	7-8	2500	0	2
Catterick (Sc)	14·2	+10	WSW	3	c	62	65	52	9	2	6	2	4-6	9	3500	0	•
Tynemouth	15·0	+18	W	3	c-bc	61	85	55	7	8	-	-	7-8	7-8	2800	1	2
St. Abbs Head	11·0	+4	W	3	c	62	55	47	8	2	6	-	4-6	9	3500	0	3
Leuchars	11·2	+10	SW	3	c-bc	63	65	50	9	2	6	6	1	7-8	3500	0	
Renfrew (Abbots I.)	12·6	+14	W'N	3	c-bc	58	65	48	9	8	7	-	4-6	7-8	2500	1	•
Eskdalemuir	13·6	+10	SW	3	c/pr	56	75	49	8	5	3	1	7-8	9	1800	1	•
Point of Ayre	14·3	+2	W's	4	b-bc	62	65	51	8	2	4	-	Tr	2-3	3000	0	3
Tiree	12·6	+12	WSW	4	c	56	75	50	8	8	6	-	9	9+	3000	1	3
Stornoway	09·5	+10	WSW	3	c-bc	56	85	51	8	8	6	3	4-6	7-8	2200	0	2
Dalwhinnie	11·0	+10	SW	3	c-bc	53	85	48	7	5	4	-	7-8	7-8	1500	1	
Aberdeen	10·1	+16	SSW	7	c	59	85	54	8	8	-	-	9+	9+	4000	1	2
Wick	09·4	+20	W	2	bc	58	85	52	9	8	4	-	1	4-6	3000	0	•
Sumburgh	06·8	+14	WSW	6	bc	54	85	49	8	2	6	3	4-6	4-6	2000	0	3
Blacksod Point	14·8	+2	SW	3	c	58	75	50	8	8	3	-	4-6	9+	2500	1	3
Malin Head	13·3	+8	WNW	3	c-bc	57	75	49	8	2	-	4	2-3	7-8	1500	2	4
Aldergrove	14·1	+6	WSW	2	c	59	65	45	9	8	3	8	4-6	9+	2500	1	•
Birr Castle	14·7	+2	SW	1	c-bc	61	65	49	8	5	-	-	7-8	7-8	2500	1	•
Valentia Obsy.	16·0	+2	SW'S	3	bc	59	75	51	9	2	-	-	4-6	4-6	2500	1	3
Roches Point	16·4	0	SW'W	3	bc	62	75	54	8	3	3	-	2-3	4-6	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 23rd (39)	13h.—18h. 23rd (40)	18h 23rd to 1h. 24th (41)	1h.—7h. 24th (42)
London (Kew)	bcy	ckqRrocro	crocbcb	bbc
Croydon	bccbcy	bcybcprbcb		bbw
S. Farnborough	cbcy	bcyPRqprocb		bbcmo
Boscombe Down	cbcycy	cproc	ccprocbc	bcwbif
Thorney Island	bcbcy	bcy	bbcw	bcwfg
Lympne	cprbcc	bbc	bw	bcwbc
Manston	bccjpbccy	bcy	bcb	bvw
Shoeburyness	bccy	cybc	bc	bcmow
Felixstowe	bcccy	bcy	bbc	bcmobmo
Gorleston	bcproy	cyc	blbc	bc
Mildenhall	ccproc	cbcy	cybcb	b,cbmow
Cranwell	c	bcycbcy	bcb	bcmocm
Birmingham	bcy	bcy	b	bc
Upper Heyford	cy	cprobcy	bc	bcmo
Ross-on-Wye	bccvbc	bcy		bwbcc
Hartland Point	cbc	bcPR	bc	bcw
Bristol	bcccpro	bcy	bcybcbcw	bcwbwbcw
Portland Bill	cbc	c	bcc	cc
Plymouth	cbc	c	b	bbcc
The Lizard	cbcc	cbc	bcw	bccw
Scilly (St. Mary's)	cbccy	cpocbc	bcc	cpoc
Pembroke	cprobc	bc	bc	bccprc
Holyhead (Valley)	bc	bccpro	bcbbc	bc
Chester (Sealand)	cpr,r	crr	c,bc	cmob
Manchester	cbccpR	cpropR	bcbmo	bbcmow
Spurn Head	c	c	c	bc
Catterick (Sc)	bc	bcc	bcc	cmobcmo
Tynemouth	bcmobc	bcproc	cpobcmo	bccm
St. Abbs Head	bcpr	bcp croc	cbc	bc
Leuchars	bccbc	bccbc	bccbw∞	cbcw
Renfrew (Abbots I.)	ccpro	cprc	cbcb	bcwmcwmo
Eskdalemuir	cprociR	cPRprc	cprc	cbifo
Point of Ayre	bcbc	bcb	bbcc	bc
Tiree	cprproc	c	bcw	bcwcjp
Stornoway	cproc	bccbcc	cproe	cprof
Dalwhinnie	c	cmroc		caproc
Aberdeen	cbcprcypro	cbrocrocbR	ccbR	cbRc
Wick	cprobcpro	bcc	bccbc	bcc
Sumburgh	cbc	bc	bccproc	cbcwprow
Blacksod Point	bc	c	c	bc
Malin Head	bc	pr	bc	bc
Aldergrove	cidproc	cyccproc	cbcb	bbcbw
Birr Castle	pr	c	•	bc
Valentia Obsy.	pr	bc	bc	bc
Roches Point	pr	pr	b	bc

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light or moderate south wind; fair; rather warm.
5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England	Light or moderate south wind, fresh locally; fair at first; occasional rain later; rather warm becoming cooler.
9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	As 0-4.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	As 5-8
16 Orkneys and Shetlands	As 5-8
17 N.W. Ireland; 18 N.E. Ireland; 19 S.E. Ireland; 20 S.W. Ireland	Moderate south wind, fresh locally veering west. fair at first; rain later with local thunder becoming cooler.

GENERAL INFERENCE

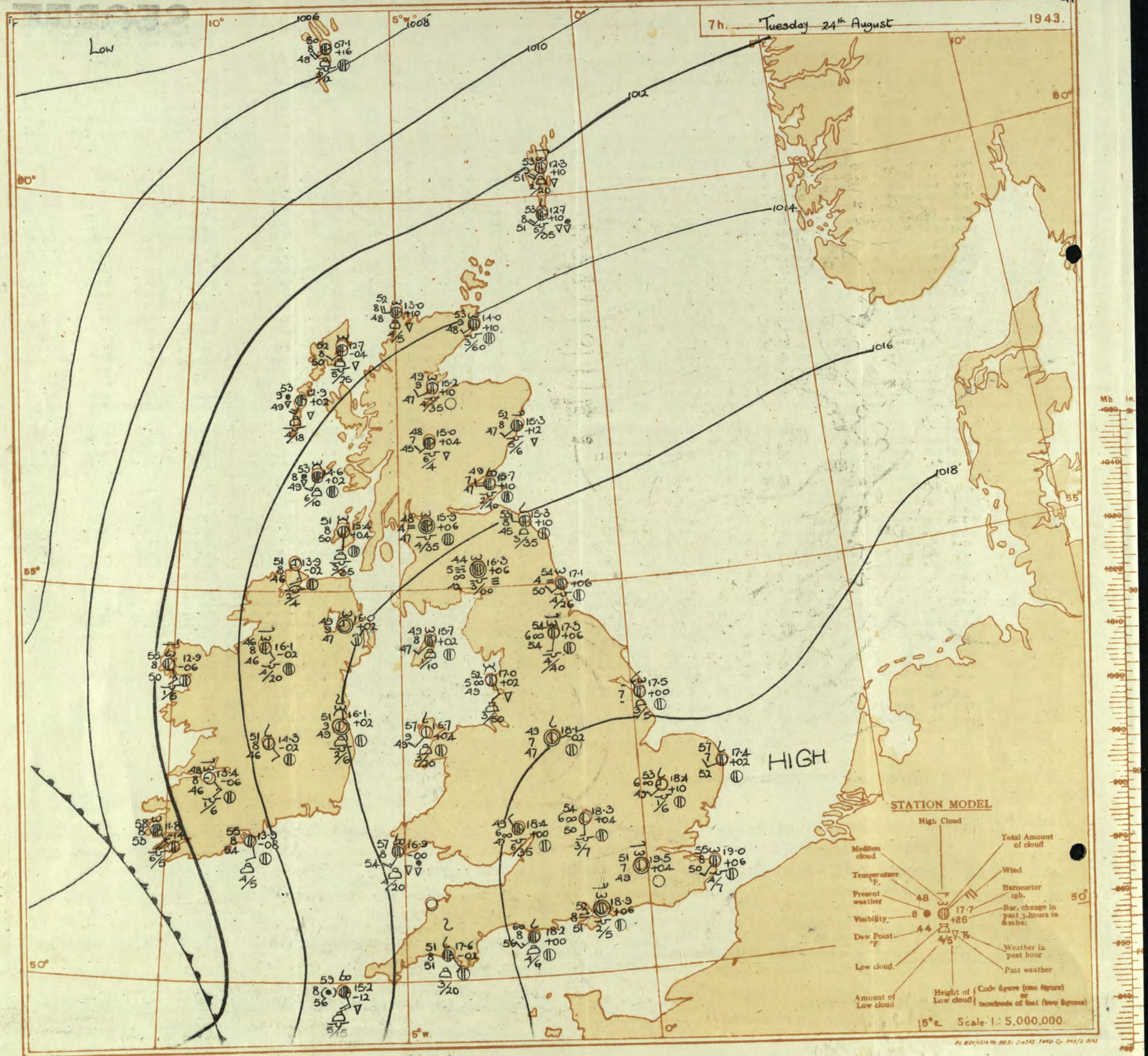
A depression off Northwest Ireland is moving northeast, and associated troughs will move east across western districts of the British Isles. Weather will be fair at first but rain is expected in western districts later with local thunder.

FURTHER OUTLOOK

Occasional rain and local thunder spreading east across England

Forecasts issued at 1030.

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

All times are G.M.T. Add one hour to get summer time.

BRITISH SECTION

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

Tuesday 24th August 1943

No 29860

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0-9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0-10 (13)	Cloud Amount Total 0-10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	53	*	*	*	*	*	*	*	*	*
	Croydon	290	19·2	0	S	2	b	53	85	49	6	-	4	-	0	Tr	-
	S. Farnborough	226	18·9	0	S	1	b	51	92	49	8	-	-	-	0	0	·
	Boscombe Down	417	19·1	+2	-	0	b-bc	52	92	50	8	8	-	-	2·3	2·3	3000
	Thorney Island	10	18·8	-2	NE	1	b-bc	50	92	49	8	-	-	2	0	2·3	·
	Lympne	283	19·6	0	W	2	bc	53	92	51	8	-	-	4	0	4·6	-
	Manston	154	18·8	+2	SW'W	2	b-bc	53	92	50	8	-	-	1	0	2·3	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	18·2	+6	SW	3	c-bc	58	85	54	7	-	3	-	0	7·8	-
	Gorleston	5	16·9	0	W	2	b-bc	57	75	49	7	1	-	-	2·3	2·3	2500
	Mildenhall	15	17·5	0	SW	3	b	55	85	50	8	5	-	-	1	1	4000
	Cranwell	203	17·0	+2	-	0	bc	55	92	51	7	4	-	·	4·6	4·6	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18·1	+2	SW	1	c-bc	54	85	50	7	-	7	-	0	7·8	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·8	0	S	2	b-bc	53	92	51	8	1	4	-	2·3	2·3	2500
	Bristol	209	18·7	0	SW	1	bc	53	85	49	7	5	4	-	2·3	4·6	4000
	Portland Bill	32	19·5	+2	SW	3	c-bc	60	85	54	8	5	-	-	7·8	7·8	4000
	Plymouth	86	19·0	0	SE	1	b-bc	49	97	49	7	-	4	1	0	2·3	·
	The Lizard	240	18·1	-6	-	0	b-bc	53	92	51	8	4	-	-	2·3	2·3	2500
	Scilly (St. Mary's)	163	17·7	-10	W'S	2	c-bc	55	85	50	8	5	3	-	4·6	7·8	1500
	Guernsey	175															
6	Pembroke	142	18·1	+2	WSW	2	b-bc	58	75	50	8	2	-	-	2·3	2·3	2500
7	Holyhead (Valley)	32	16·7	0	SW'S	2	bc	53	85	51	8	8	-	-	4·6	4·6	4000
	Chester (Sealand)	16	17·2	0	=	0	c-bc	49	85	46	8	5	3	4	4·6	7·8	3500
8	Manchester	230	17·5	+2	S	3	b	49	92	47	7	4	-	·	1	1	2500
10	Spurn Head	29	17·5	+4	WNW	3	bc	*	*	*	7	7	3	-	2·3	4·6	2500
	Catterick (Sc)	192	16·8	+2	S	1	c-bc	49	97	49	7	-	7	-	0	7·8	-
	Tynemouth	108	16·9	+14	W	2	Zo	54	85	51	6	5	3	-	4·6	4·6	2500
11	St. Abbs Head	280	14·2	+10	SW	3	bc	50	85	46	7	5	4	-	2·3	4·6	4000
	Leuchars	36	14·2	+4	WSW	2	c-bc	49	92	47	8	4	4	2	Tr	7·8	3000
12	Renfrew (Abbots I.)	19	15·4	+10	-	0	b-bc	46	97	45	7	-	-	2	0	2·3	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	15·5	0	W	2	c-bc	53	92	51	8	-	7	-	0	7·8	-
13A	Tiree	44	14·4	+4	SW	1	b-bc	48	85	45	8	5	3	1	Tr	2·3	2500
13B	Stornoway	12	13·0	+6	SW	1	c-bc	50	97	49	7	8	-	·	7·8	7·8	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	13·6	+10	-	0	pr	53	97	53	8	8	-	-	10	10	1500
	Wick	114	12·5	+6	SW	2	bc	50	92	48	8	5	7	·	2·3	4·6	5500
16	Sumburgh	19	10·9	+10	W'S	4	c/pr	54	85	50	8	5	-	-	9+	9+	1500
17	Blacksod Point	18	14·5	-6	S'W	2	c-bc	56	75	48	8	8	-	-	7·8	7·8	2500
18	Malin Head	84	14·5	+6	SSW	1	b-bc	48	85	44	8	4	-	-	2·3	2·3	220
	Aldergrove	268	15·6	0	-	0	b-bc	48	92	46	8	5	-	-	2·3	2·3	4000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	14·8	-10	SE'E	3	b	53	85	49	9	5	-	3	Tr	Tr	2500
	Roches Point	22	16·4	-6	SW	1	b	52	97	51	8	5	-	·	1	1	2500

OBSERVATIONS at 7 hr. G.M.T. 24th August

Stations	Barom. at M.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)	18·6	+6	-	0	Zo	53	92	51	5	4	-	·	4·6	4·6	4000	1	*
Croydon	19·5	+4	-	0	b-bc	51	92	49	7	-	3	1	0	2·3	-	0	*
S. Farnborough	19·3	+6	-	0	Zo	48	92	47	6	5	7	-	2·3	2·3	3000	1	*
Boscombe Down	18·8	+2	-	0	Zo	51	97	50	6	-	·	1	0	Tr	·	0	*
Thorney Island	18·9	+6	-	0	-g	52	97	51	8	5	3	2	1	4·6	2500	0	*
Lympne	19·2	+2	N	1	c-bc	55	92	52	8	5	3	4	4·6	7·8	1700	0	§
Manston	19·0	+6	SSW	1	bc	55	85	50	8	5	3	-	4·6	4·6	5700	0	*
Shoeburyness	18·9	+10	W	1	bc	58	85	54	6	-	4	-	0	4·6	-	0	*
Felixstowe	18·4	+6	W'S	1	Zo	55	85	52	6	-	3	-	0	2·3	-	0	
Gorleston	17·4	+2	W'S	2	bc	57	85	52	7	-	4	-	0	4·6	1400	0	2
Mildenhall	18·4	+10	SW'W	1	Zo	53	85	49	6	5	4	-	Tr	1	4000	0	*
Cranwell	18·1	+6	W	1	Zo	53	92	51	5	5	3	-	4·6	7·8	5700	1	*
Birmingham	18·2	+2	SW	1	Zo	53	75	45	6	5	-	·	7·8	7·8	5700	1	*
Upper Heyford	18·3	+4	S	1	Zo	54	85	50	6	5	-	·	2·3	2·3	5700	0	*
Ross-on-Wye	18·4	0	NW'W	1	Zo	49	92	47	6	5	-	·	9	9	3500	0	*
Hartland Point	16·7	0	SSE	3	b-bc	53	92	50	8	2	4	-	2·3	2·3	2500	1	3
Bristol	18·5	-2	E	1	bc	53	92	51	7	-	4	4	0	4·6	-	1	*
Portland Bill	18·2	0	SW	3	c-bc	60	85	56	8	2	4	-	4·6	7·8	4000	1	4
Plymouth	17·6	-2	ESE	1	c	51	97	51	8	2	4	6	2·3	9+	2000	0	1
The Lizard	16·1	-6	SSE	4	c-bc	56	85	50	8	8	3	-	7·8	7·8	2800	0	4
Scilly (St. Mary's)	15·2	-12	SSE	4	cjp	59	92	56	8	8	7	·	7·8	9+	1500	1	3
Guernsey																	
Pembroke	16·9	0	S'W	3	c-bc/pr	57	92	54	8	2	7	·	4·6	7·8	2000	1	3
Holyhead (Valley)	16·7	+4	SSW	2	b-bc	57	75	49	9	2	4	·	2·3	2·3	2000	0	2
Chester (Sealand)	17·2	0	-	0	b	50	85	44	6	7	3	-	Tr	Tr	4000	0	*
Manchester	17·7	+2	SSE	2	Zo	49	85	47	6	-	3	-	0	2·3	-	1	*
Spurn Head	17·5	0	WNW	3	bc	*	*		7	1	3	-	2·3	4·6	2500	0	2
Catterick (Sc)	17·3	+6	S	1	Zo	54	97	54	6	5	3	1	4·6	4·6	4000	0	*
Tynemouth	17·1	+6	SW	2	m	54	85	50	4	5	3	-	4·6	7·8	2600	1	2
St. Abbs Head	15·3	+10	W	2	bc	53	75	45	8	1	4	-	2·3	4·6	3500	0	2
Leuchars	15·7	+10	W	2	c-bc	49	92	47	7	5	7	-	1	7·8	4000	0	*
Renfrew (Abbots I.)	15·9	+6	-	0	m	48	92	47	4	5	3	·	4·6	9	3500	1	*
Eskdalemuir	16·3	+6	-	0	if	44	92	42	5	5	3	-	2·3	7·8	-	1	*
Point of Ayre	15·7	+2	SSW	1	c-bc	49	92	47	8	2	3	·	Tr	7·8	1000	0	1
Tiree	14·6	+2	S'W	3	pr	53	85	49	8	8	6	-	9	9+	1000	1	2
Stornoway	12·7	-4	SSW	2	c-bc	52	92	50	8	8	6	-	7·8	7·8	2500	1	1
Dalwhinnie	15·0	+4	SW	2	c	48	85	45	7	5	-	-	9	9	1500	1	*
Aberdeen †	15·3	+12	SW	1	c	52	85	47	8	5	-	2	7·8	9	4000	1	1
Wick	14·0	+10	SW	1	c-bc	53	85	48	9	5	3	·	2·3	7·8	6000	0	*
Sumburgh	12·7	+10	SW'S	4	c/pr	53	92	51	8	5	4	·	7·8	9	3500	1	3
Blacksod Point	12·9	-6	SE'E	3	bc	55	85	50	8	5	5	5	Tr	4·6	2500	1	2
Malin Head	13·9	-2	SSE	3	b	51	85	47	8	4	-	-	1	1	1500	2	2
Aldergrove	16·0	+2	-	0	b	49	92	47	9	-	3	-	0	1	-	1	*
Birr Castle	14·3	-2	SE	2	b-bc	51	85	46	8	-	4	-	0	2·3	-	1	*
Valentia Obsy.	11·8	-14	SE	4	c	58	85	53	8	5	3	-	9	9+	2500	2	2
Roches Point	13·9	-8	SSE	2	bc	55	97	54	8	2	-	·	4·6	4·6	2500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 23rd Hrs. (38)
London (Kew)	70	47	35	4	0·6	8·4
Croydon	72	48	42	0·2	-	11·0
S. Farnborough	72	43	34	4	0·1	10·0
Boscombe Down	67	45	45	1	0·6	7·3
Thorney Island	71	46	41	-	Tr	*
Lympne	70	49	·	Tr	-	12·0
Manston	72	49	44	-	-	10·7
Shoeburyness	73	50	41	-	-	·4
Felixstowe	73	53	49	-	-	·1
Gorleston	72	51	44	Tr	Tr	10·7
Mildenhall	73	48	38	Tr	Tr	10·7
Cranwell	70	48	40	-	Tr	7·6
Birmingham	68	48	34	-	-	9·2
Upper Heyford	70	49	43	Tr	-	*
Ross-on-Wye	67	45	38	-	-	9·5
Hartland Point	63	50	47	1	-	8·8
Bristol	66	45	38	0·1	-	8·9
Portland Bill	62	57	*	-	-	*
Plymouth	64	46	40	-	-	11·0
The Lizard	65	53	*	-	-	9·2
Scilly (St. Mary's)	66	53	*	0·2	Tr	9·6
Guernsey						
Pembroke	62	52		3	1	7·9
Holyhead (Valley)	64	55	50	1	-	*
Chester (Sealand)	66	46	42	4	-	5·5
Manchester	64	48	41	12	·	*
Spurn Head	*	*	*	-	-	7·3
Catterick (Sc)	68	47	44	-	-	9·1
Tynemouth	68	51	49	1	1	*
St. Abbs Head	62	48	*	Tr	-	*
Leuchars	69	46	44	Tr	-	10·8
Renfrew (Abbots I.)	63	45	38	0·6	0·1	3·5
Eskdalemuir	62	38	29	4	Tr	2·4
Point of Ayre	66	49	*	-	-	7·4
Tiree	61	47	37	0·3	Tr	4·0
Stornoway	61	47	46	0·3	2	7·1
Dalwhinnie	59	42	37	1	0·1	4·4
Aberdeen †	68	51	49	5	6	4·9
Wick	66	44	40	1	-	*
Sumburgh	58	52	49	-	0·1	5·2
Blacksod Point	61	52	*	0·1	0·5	*
Malin Head	59	46		0·3	-	4·5
Aldergrove	62	43	38	0·3	0·2	3·6
Birr Castle	63	46	40	2	-	4·7
Valentia Obsy.	62	50	42	1	Tr	6·5
Roches Point	63	51	*	0·6	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 23rd August $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 24th August $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	83	02854	57625	87	02855	56485	53	01753	23214	57	02884	22326
115	54	81844	20586	24	01853	24423	57	81844	24484	23	02854	24486
203							5-	02946	20426	5-	02848	20428
206	26	02964	22685	86	81965	20426	50	01963	22223	33	01964	22204
210	26	01964	23484	36	25945	23386	40	02963	19285	53	02983	19215
219	8-	25854	24487	8-	25854	25384	2-	02848	20488	8-	81944	18486
280	86	81957	53387	87	81855	23287	53	02963	00015	73	02865	00026
245	36	25954	24484	86	01953	24314	83	25854	22185	77	01961	22213
260	26	02745	22425	23	01763	24414	54	01762	20213	5-	02765	24116
278	86	02444	22287	83	25855	30287	50	01852	00013	53	01864	14115
279	24	02864	24425	86	02965	22426	8-	81866	21186	83	02853	10125
285	27	81745	24486	27	25744	26486				23	01744	30115
288	26	01854	20414	26	02853	23426	46	01754	14214	07	01890	20214
575	27	02954	26326	23	01863	26225	53	01862	00013	53	02854	12124
301	26	01854	24485	83	02953	24425	5-	02856	20216	36	05563	12284
321	9-	81647	26387	24	05662	26385				03	43390	00043
[illegible]	80	05655	22315	83	02755	24326	50	01751	24201	40	05653	24113
[illegible]	26	01954	22514	27	02963	22386	06	01790	22213	53	05562	00026
310										--	01642	20312
614	36	02754	20225	46	02754	28125	03	05690	00014	04	05590	22113
388	2-	25855	22325	36	01863	20324	20	01863	22113	8-	02865	01115
334	--	03647	26228							--	02644	00015
340	87	02955	26226	74	01953	22314	53	01853	15213	04	01790	18211
136	80	02854	22436	36	10864	31284	03	01790	20214	03	05690	20115
336	13	01753	28414							--	46009	24349
360	20	20864	21315	16	01862	20314	53	02786	18155	54	05662	00012
368	83	02854	24385	43	01863	22414	83	02654	00015	54	01843	00014
379				54	02855	22416	50	02865	22225			
390	20	02754	20415	86	05656	22327	66	05690	22101	53	08461	22114
382	20	02854	23425	86	02864	22827	53	01860	26124	54	05663	00043
438	84	01763	22414	14	01762	22413				57	02764	20185
430	16	01853	21414	80	01951	18314	00	01790	02113	13	01752	04114
409	80	01854	22314	20	01953	24224	40	01851	00001	27	02852	11227

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 24th August
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	ckq R₀cb	cr₀cbbc
Croydon	bccbcy	bcybcprbc	bbw
Greenwich	cbcyr	bcrcpy	bcbmwbc
Camden Square	cp	c	*
Kensington	bc	bcpbc	*
Hampstead	bcp	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ending 7h. Max. Time 0·3 6 hrs 24th. Min. Time <0·1 9-24 hrs 24th

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	47	35	4	0·5	8·4	*	*
Croydon	72	48	42	0·2	-	11·0	*	*
Greenwich	74	47	35	0·3	-	10·6	38	51
Westminster	72	50	43	*	*	*	46	68
Regents Park	73	51	41	-	Tr	*	41	56
Camden Square	73	51	43	Tr	*	*	*	60
Kensington	73	49	43	0·2	Tr	*	43	59
Hampstead	71	49	41	Tr	-	*	*	64

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BRITISH SECTION

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

SECRET

Wednesday 25th August 1943

No. 29861

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

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)	17·4	-10	WNW	1	cbc	66	45	46	8	8	4	6	2-3	7-8	4000
	Croydon	18·3	-10	W	1	cbc	69	55	50	8	2	6	2	7-8	7-8	2500
	S. Farnborough	17·2	-10	WSW	2	cbc	70	55	51	8	2	6	3	4-6	7-8	3000
	Boscombe Down	17·4	-10	SSW	2	bc	68	55	49	8	1	-	6	4-6	4-6	2500
	Thorney Island	18·3	0	SSE	2	bc	67	65	53	9	2	3	9	2-3	4-6	2500
	Lympne	18·1	-4	S'E	3	bc	67	45	45	9	2	6	9	2-3	4-6	2500
	Manston	18·0	-4	N'E	1	cbc	65	65	52	9	2	3	-	4-6	7-8	2500
	Shoeburyness	18·2	-2	S	2	cbc	70	65	55	8	1	-	2	4-6	7-8	4000
	Felixstowe	17·8	-4	S'E	3	c	68	55	50	8	2	7	6	2-3	9	4000
	Gorleston	17·8	0	SSE	4	c	69	55	51	7	8	-	-	9+	9+	1500
	Mildenhall	17·3	-6	SSW	2	c	68	45	43	8	2	-	1	9	9+	2500
	Cranwell	16·9	-8	SW	2	cbc	65	45	45	8	2	6	-	4-6	7-8	3000
3	Birmingham	16·3	-8	S	1	c	65	65	53	8	7	3	-	7-8	9	4000
	Upper Heyford	16·7	-12	SW'S	3	cbc	67	45	43	9	2	-	3	4-6	7-8	3500
4	Ross-on-Wye	16·3	-12	SW	3	bc	67	55	48	8	2	6	-	4-6	4-6	3500
5	Hartland Point	14·6	-12	SSW	2	c	64	65	54	9	2	7	-	4-6	9	2000
	Bristol	17·2	-6	S	3	bc	66	55	49	8	1	4	1	4-6	4-6	3200
	Portland Bill	17·3	-6	SE	4	cbc	64	85	61	8	2	-	-	7-8	7-8	4000
	Plymouth	17·0	-6	SSE	3	c	63	85	58	9	8	7	8	2-3	9	2500
	The Lizard	14·6	-8	SSE	5	bc/pr	64	85	59	8	8	3	-	4-6	4-6	2500
	Scilly (St. Mary's)	12·7	-14	SE'S	5	cjp	64	85	59	7	8	7	-	7-8	9+	1000
	Guernsey															
6	Pembroke	15·4	-10	SE'S	4	cbc	61	85	57	8	2	6	-	4-6	7-8	2500
7	Holyhead (Valley)	16·0	-6	S'E	4	b-bc	65	65	52	9	1	4	-	2-3	2-3	4000
	Chester (Sealand)	15·9	-8	WSW	1	cbc	65	55	46	8	2	6	-	4-6	7-8	3500
8	Manchester	16·5	-8	SSW	3	bc	63	55	45	8	2	-	-	4-6	4-6	2500
10	Spurn Head	17·9	+2	SE'E	3	cbc	62	65	51	8	7	3	-	1	7-8	2500
	Catterick (Sc)	16·2	-4	SSW	1	c	64	55	49	8	8	3	-	4-6	9+	4000
	Tynemouth	18·0	-2	SE	2	z₀	57	85	53	6	8	-	-	9	9	2600
11	St. Abbs Head	15·2	-8	ESE	2	c	57	75	49	8	5	-	-	9	9	3100
	Leuchars	15·1	-2	ESE	2	c	59	75	51	8	8	-	-	9	9	5000
12	Renfrew (Abbots I.)	14·4	-8	SW	2	cbc	66	45	43	9	8	-	5	4-6	7-8	3500
	Eskdalemuir	15·1	-6	S'E	2	cbc	59	65	47	8	8	-	-	7-8	7-8	1800
	Point of Ayre	15·5	0	S	4	b-bc	66	65	53	8	3	4	4	2-3	2-3	3000
13A	Tiree	13·6	-6	S'E	4	bc	60	75	50	9	2	-	4	1	4-6	2500
13B	Stornoway	12·9	0	SW	4	c	59	75	49	8	8	3	-	9	9+	2500
15	Dalwhinnie	14·6	-2	SW	3	o	54	75	45	8	6	-	-	10	10	2500
	Aberdeen	15·7	+2	SSE	2	c	59	65	49	8	2	3	1	1	9	4000
	Wick	14·1	0	S	2	c	60	75	52	9	8	6	-	4-6	9	2000
16	Sumburgh	13·9	0	WSW	3	bc	56	75	49	9	8	3	9	4-6	4-6	2500
17	Blacksod Point	09·9	-14	SE	3	c/pr	59	85	54	8	6	-	-	9+	9+	2500
18	Malin Head	11·9	-14	SSW	3	cbc	61	65	49	8	4	5	-	4-6	7-8	1500
	Aldergrove	13·6	-10	SSE	2	cbc	63	55	47	9	8	-	4	4-6	7-8	2000
19	Birr Castle	11·3	-16	SSE	3	cbc	66	55	50	8	5	-	5	4-6	7-8	2500
20	Valentia Obsy.	10·1	-10	S'W	4	c	64	75	56	8	2	7	-	4-6	9	2500
	Roches Point	11·4	-14	SE	4	c	59	92	57	8	6	2	-	4-6	9+	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	15·8	-8	SSW	3	b-bc	68	55	50	8	3	3	3	1	2-3	4000	1	•
Croydon	16·4	-8	S	2	bc	68	55	49	8	2	6	2	2-3	4-6	2500	0	•
S. Farnborough	15·6	-6	SSW	2	b-bc	67	55	51	8	1	4	3	Tr	2-3	3500	0	•
Boscombe Down	15·9	-10	S'E	2	b-bc	65	55	50	8	4	7	-	1	2-3	3000	0	•
Thorney Island	16·0	-10	SSE	2	bc	64	75	54	9	2	3	2	Tr	4-6	2500	0	•
Lympne	16·9	-4	SSE	1	c-bc	63	75	54	9	4	6	3	4-6	7-8	6000	0	§1
Manston	17·9	-2	SE	3	c-bc	64	65	53	8	2	6	4	1	7-8	2500	0	•
Shoeburyness	18·0	-12	ESE	2	bc	66	75	58	9	7	4	2	2-3	4-6	4000	0	•
Felixstowe	16·6	-6	S'E	4	bc	65	75	53	8	-	7	6	0	4-6	-	0	3
Gorleston	16·2	-6	S'E	3	bc	63	55	45	7	5	3	-	4-6	4-6	2500	0	3
Mildenhall	15·8	-6	-	0	c-bc	69	35	43	8	4	4	2	2-3	7-8	4000	0	•
Cranwell	15·4	-10	SSE	2	c-bc	65	55	49	8	2	6	2	1	7-8	4000	0	•
Birmingham	14·3	-10	SSE	2	b'	65	55	49	8	1	4	-	Tr	Tr	4000	0	•
Upper Heyford	15·0	-14	SSW	2	b-bc	68	45	45	9	2	4	3	2-3	2-3	4000	0	•
Ross-on-Wye	14·1	-14	S'W	2	bc	67	55	50	8	8	3	1	4-6	4-6	3500	0	•
Hartland Point	12·2	-16	SSE	3	c-bc	63	75	65	9	2	6	-	4-6	7-8	2000	0	3
Bristol	14·6	-14	S	2	c-bc	65	55	50	8	2	3	-	1	7-8	4000	0	•
Portland Bill	15·6	-10	ESE	4	c	62	92	60	8	2	-	-	9	9	4000	1	4
Plymouth	13·7	-14	SE	3	ir	61	92	58	8	4	7	-	1	10	2500	0	1
The Lizard	12·2	-14	SSE	5	r₀r₀	57	85	50	7	9	-	-	10	10	1500	1	4
Scilly (St. Mary's)	10·2	-18	S'E	4	c-bc	63	85	60	8	8	6	3	4-6	7-8	1200	1	3
Guernsey																	
Pembroke	12·3	-12	SE'S	4	c-bc	61	85	57	8	2	6	-	4-6	7-8	2500	0	3
Holyhead (Valley)	13·4	-18	SSE	2	c-bc	64	55	49	8	2	3	5	Tr	7-8	3500	0	1
Chester (Sealand)	13·6	-14	SSW	1	c-bc	64	65	51	8	8	7	-	4-6	7-8	3500	0	•
Manchester	14·6	-10	SE'S	1	b-bc	66	55	48	8	4	3	-	2-3	2-3	2500	1	•
Spurn Head	16·7	-2	SE'S	4	bc	62	75	55	8	7	3	-	1	4-6	2500	0	3
Catterick (Sc)	15·5	-8	—	0	z₀	64	65	51	6	-	3	-	0	2-3	-	0	•
Tynemouth	16·8	-6	SE	3	b-bc	57	92	54	7	-	3	-	0	2-3	-	1	2
St. Abbs Head	14·6	-2	SE	2	c	56	85	52	7	5	2	-	2-3	9	2000	0	2
Leuchars	14·5	-6	SSE	2	c-bc	59	75	51	8	5	6	-	7-8	7-8	6500	0	•
Renfrew (Abbots I.)	13·0	-10	SSE	2	c-bc	62	65	53	8	8	7	5	4-6	7-8	1500	0	•
Eskdalemuir	14·1	-10	S'W	3	c	58	75	49	8	5	3	-	7-8	9	3100	0	•
Point of Ayre	14·1	-6	S'E	3	b	61	75	53	8	1	-	8	Tr	1	3000	0	2
Tiree	11·3	-14	SSE	5	c-bc	59	75	52	9	2	7	8	1	7-8	3000	0	3
Stornoway	12·5	-2	S	3	c-bc	58	75	50	8	1	3	9	1	7-8	1500	0	1
Dalwhinnie	13·0	-4	S	2	c	56	65	44	8	8	3	-	2-3	9+	4000	0	•
Aberdeen	15·2	-4	SSW	3	c	57	75	48	8	-	3	-	0	9+	-	1	1
Wick	14·1	0	SE	2	c-bc	55	92	53	8	5	-	-	7-8	7-8	7500	0	•
Sumburgh	14·6	0	SW'S	3	b	55	85	51	9	4	3	-	Tr	1	1500	0	2
Blacksod Point	07·5	-10	S	3	ir₀	58	85	53	8	6	2	-	7-8	9+	2500	1	3
Malin Head	08·0	-15	SSE	4	c-bc	61	65	49	8	8	-	9	2-3	7-8	2500	2	4
Aldergrove	11·6	-14	SE	4	c/pr	59	75	51	8	5	7	4	4-6	9	3000	1	•
Birr Castle	08·7	-18	S	1	rr	58	92	56	7	6	2	-	7-8	10	800	1	•
Valentia Obsy.	08·8	-6	WSW	4	c/pr	60	85	55	8	8	-	-	9+	9+	1500	1	3
Roches Point	08·6	-18	SSE	4	c	59	97	58	8	5	7	-	4-6	9	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.–13h. 24th (39)	13h.–18h. 24th (40)	18h 24th to 1h 25th (41)	1h.–7h. 25th (42)
London (Kew)	bcwcy	cbcy	bcybbc	bcrirc
Croydon	bccay	cybcy	bbc	crrccic
S. Farnborough	bdcm₀cbc	cbcy	bcybccirrm	ecirbcmd
Boscombe Down	bm₀bccbcy	bcyby	bybcccrc	cbccrcrcd
Thorney Island	bc	bc	bcccpr	cprc
Lympne	cbcv	bcv	bubrry	bccPrmo
Manston	bcccy	cbc	bvcbcb	bcirm
Shoeburyness	bcybc	bc	bc	crrbc
Felixstowe	bcccy	bcy	bcb	cmcrrc
Gorleston	bbccy	bbcy	bbc	bbc
Mildenhall	bm₀cy	cy	cybcb	circ
Cranwell	bcy	cvybcvy	bm₀	cmcirrcm
Birmingham	cbccy	cby	bc	cir
Upper Heyford	bcm₀cy	cybcy	ybccir	rrRcm
Ross-on-Wye	bc	bc	bccr	ccpbc
Hartland Point	bccb	c	cirbcc	circbc
Bristol	bcwbcy	bcy	cid₀	cidp
Portland Bill	c	c	orrc	oc
Plymouth	cbcc	cir₀pc	cr₀r₀m₀	cpr₀bc
The Lizard	cprbc	cprrr	cerbc	bc
Scilly (St. Mary's)	cp₀c	circ	cir₀bc	bccbc
Guernsey				
Pembroke	c	c	eqpr₀r₀r₀	cprq
Holyhead (Valley)	bcjpbc	bcycy	cir₀c	bccpr
Chester (Sealand)	bm₀bczoy	cy	cm	cm₀rr
Manchester	bm₀bcy	bcy	bcybz	irprpR
Spurn Head	c	bc	b	ocr₀r₀
Catterick (Sc)	cccyc	cycz₀	bm₀	bmircrr
Tynemouth	cm₀	cm₀bc	bcbbcm₀	bcmocr
St. Abbs Head	bcc	c	cbcm₀	bcmcmF
Leuchars	bcypr₀c	c	cbcm₀o	bccm₀o
Renfrew (Abbots I.)	cwmbcm₀	bcm₀c	cbccm₀o	rr₀cirm
Eskdalemuir	bifwc	c	bbcc	orr₀
Point of Ayre	cbc	bcb	bbcc	crrcir₀
Tiree	bc	bc	bccbc	cir₀r₀m₀
Stornoway	cir₀cpr₀c	cbc	bccbc	bcc
Dalwhinnie	co	c		coir₀
Aberdeen	c	cpr₀c	cbcbbc	c
Wick	cbcc	c	bbcc	cm₀
Sumburgh	cpr₀rcc	bcb	bbcc	cbccw
Blacksod Point	pr	r	r	pr
Malin Head	bc	bc	r	r.
Aldergrove	bwbcc	cycpr₀	cidrr	cirrrcir
Birr Castle	c	r	•	r
Valentia Obsy.	pr	pr	pr	pr
Roches Point	r	r	bc	bc

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Moderate or fresh southwest to west winds, moderating; Variable cloud and scattered thundery showers with local thunderstorms, marked clearances in eastern districts tonight; rather warm this afternoon, moderate night temperature.
5 S.W. England	Moderate westerly winds; scattered showers; rather cool.
6 South Wales, 7 North Wales, 8 N.W. England, 9 N. Midlands	Moderate westerly winds; scattered thundery showers and local thunderstorms; rather cool.
10 N.E. England, 11 S.E. Scotland	Moderate southerly winds, veering west; rain at first soon followed thundery showers and local thunderstorms; mainly fair tonight, some hill fog at first; rather cool.
12 S.W. Scotland & Isle of Man, 13A W. Scotland	Light or moderate southwest to west winds; scattered thundery showers with local thunderstorms; rather cool.
13B N.W. Scotland, 14 Mid Scotland	As 10-11.
15 N.E. Scotland	Fresh southeast winds, veering south to southwest and moderating;
16 Orkneys and Shetlands	fair at first with rain spreading from southwest later followed by variable clouds; rather cool
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Moderate westerly winds; scattered showers; rather cool.

GENERAL INFERENCE

A depression west of Scotland is moving slowly northeast and associated troughs are moving northeast across the British Isles. General rain will move northeast across Scotland and Northern England followed by scattered showers and local thunderstorms; elsewhere there will be scattered showers and local thunderstorms.

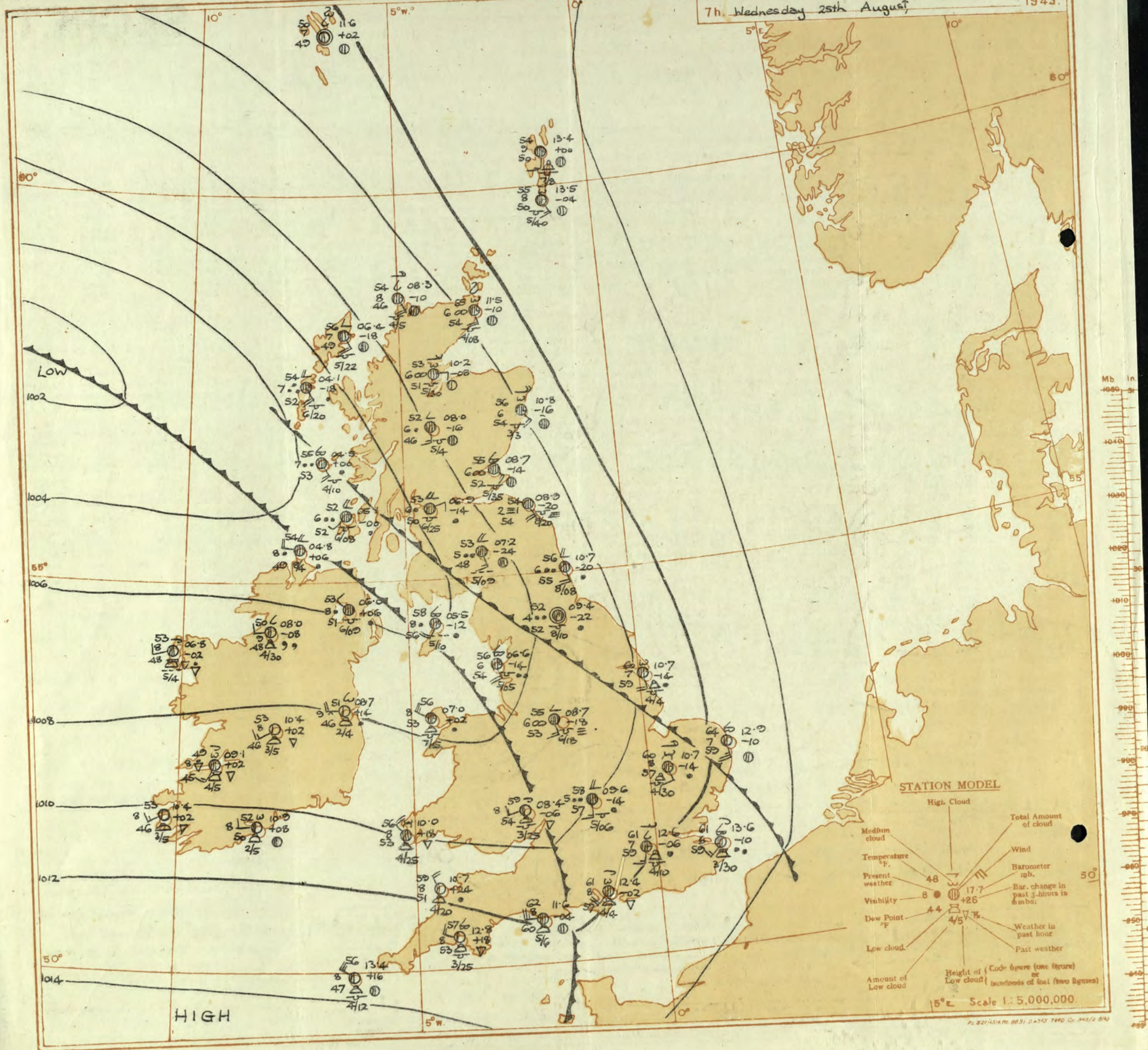
FURTHER OUTLOOK

Showery conditions generally at first. More general rain reaching southwestern districts later.

Forecasts issued at 1030

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Wednesday 25th August 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

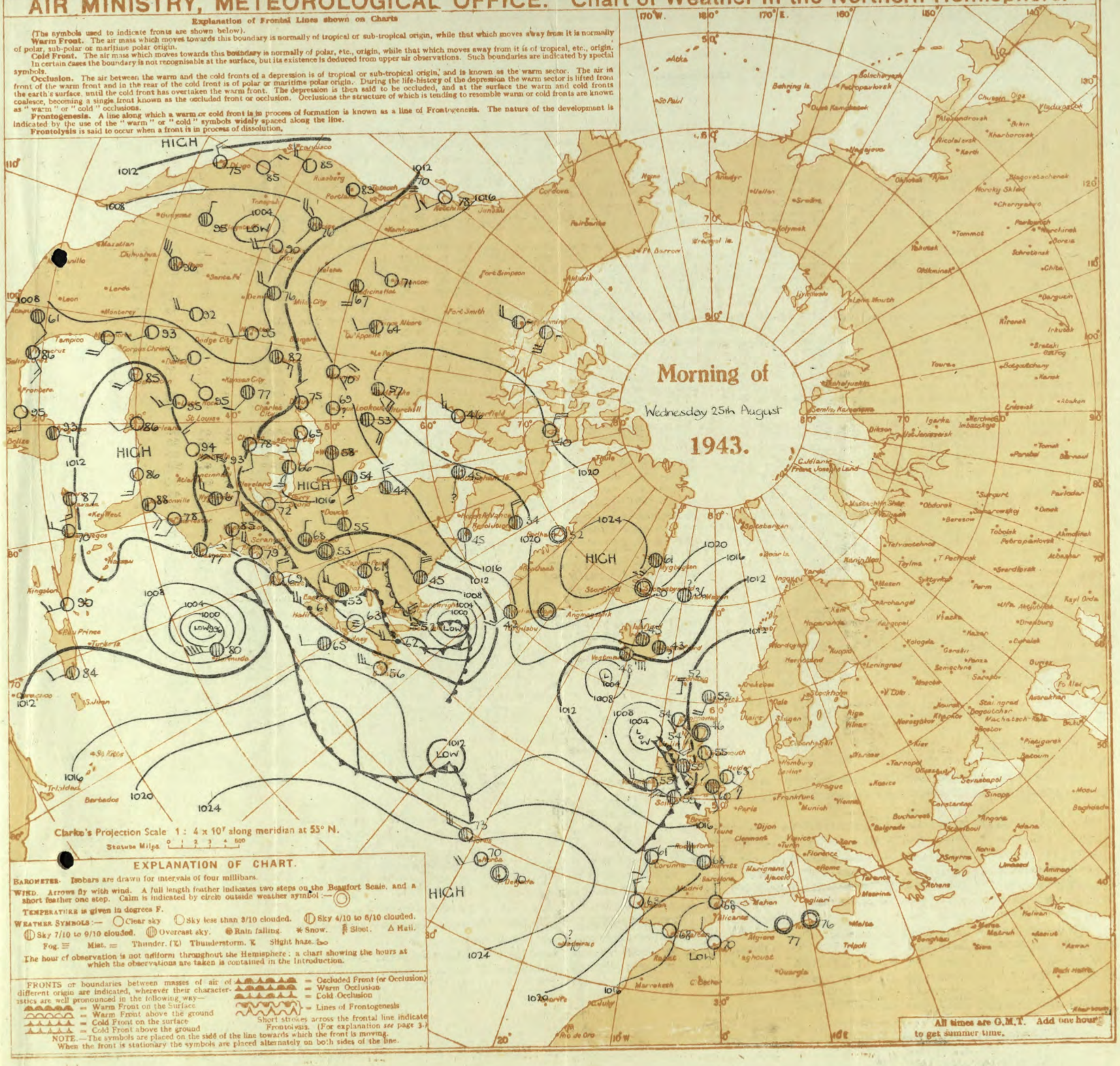
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

Barometer. Isobars are drawn for intervals of four millibars.

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

Temperature is given in degrees F.

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

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

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

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

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

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

All times are G.M.T. Add one hour to get summer time.

Page 4.

BRITISH SECTION

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

Wednesday, 25th August 1943

No. 23861

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

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	230	14·8	-14	S	1	c	60	85	55	6	5	4	-	4-6	9	3000
	S. Farnborough	226	13·1	-18	S'E	2	r r	58	85	55	6	5	7	-	9+	10	2500
	Boscombe Down	417	12·9	-22	SE'S	1	[illegible]	58	97	57	7	5	-	-	10	10	2500
	Thorney Island	10	13·4	-16	SE'S	3	pr	63	85	59	8	8	-	-	10	10	3800
	Lympne	283	15·0	-10	SSE	2	z	59	89	56	6	-	-	1	0	Tr	-
	Manston	154	05·2	-12	SE'S	3	b	59	92	57	8	-	4	-	0	1	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	15·4	-8	SE'S	3	b	63	85	59	7	-	-	-	0	0	-
	Gorleston	5	14·8	+6	SE'S	3	b	63	85	58	7	5	-	-	1	1	800
	Mildenhall	15	14·1	-10	SE'S	2	b	54	97	53	5	5	-	1	Tr	1	4000
	Cranwell	203	13·2	-16	SSE	1	z	50	97	49	6	-	3	-	0	1	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·9	-14	SE	3	ir	57	85	52	6	5	7	6	9	9+	4800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	07·9	-16	S	3	c	59	97	58	8	8	6	-	7-8	9+	1500
	Bristol	209	11·7	-18	SE	1	c	59	92	57	8	5	-	-	9	9	2100
	Portland Bill	32	12·7	-10	S	4	c	62	92	60	8	5	-	-	10	10	4000
	Plymouth	86	10·0	-16	W	5	c/r	60	97	60	6	5	2	-	9+	10	1200
	The Lizard	240	10·5	+2	W	5	bc	58	92	56	7	5	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	10·6	+16	WNW	5	c-bc	59	85	55	8	8	-	-	7-8	7-8	1200
	Guernsey	175															
6	Pembroke	142	08·2	-20	S'E	3	r r	59	97	58	8	8	-	-	7-8	7-8	2500
7	Holyhead (Valley)	32	08·7	-26	SE	2	c/r	59	85	56	8	5	7	-	2-3	10	2500
	Chester (Sealand)	16	10·7	-16	-	0	c	55	85	50	6	5	-	-	9	9	4000
8	Manchester	230	11·6	-18	SE	3	ir	57	65	47	6	5	-	-	7-8	7-8	5000
10	Spurn Head	29	14·9	-6	SE'S	3	b	60	92	57	7	-	-	-	0	0	-
	Catterick (Sc)	192	14·0	-12	-	0	z	47	97	47	5	-	-	-	0	0	-
	Tynemouth	108	15·1	-6	S	2	z	55	85	51	6	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	12·8	-8	S	2	b-bc	52	97	51	7	5	-	-	2-3	2-3	4000
	Leuchars	36	12·1	-18	E	1	z	54	92	52	6	5	4	-	1	4-6	2000
12	Renfrew (Abbots I.)	19	10·4	-20	SE'S	1	z	51	85	47	6	5	-	-	7-8	7-8	3500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	08·7	-28	SSE	5	c	60	85	56	8	5	-	-	9	9	2500
13A	Tiree	44	07·4	-22	S	5	ir	56	85	51	8	5	7	-	4-6	9+	3600
13B	Stornoway	12	09·8	-18	SE	3	b-bc	54	85	49	8	5	4	-	2-3	2-3	2800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	13·7	-10	-	0	fs	46	97	46	6	5	-	-	2-3	2-3	600
	Wick	114	13·0	-6	SE	3	c-bc	55	97	54	7	5	4	-	4-6	7-8	3500
16	Sumburgh	19	14·4	-4	S'W	2	c	54	92	51	8	5	-	-	4-6	9	2500
17	Blacksod Point	18	06·9	+2	W'N	2	bc	53	85	49	8	8	-	-	4-6	4-6	2300
18	Malin Head	84	05·2	+18	ESE	5	RR	54	92	52	7	-	2	-	10	10	1500
	Aldergrove	268	06·8	-26	SE	3	ir	56	92	53	8	5	2	-	9	9+	1900
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·0	+2	W	4	b-bc	55	75	47	8	2	-	-	2-3	2-3	2500
	Roches Point	22	09·2	+10	WNW	4	b	55	92	53	8	5	-	-	1	1	1500

OBSERVATIONS at 7 hr. G.M.T. 25 August — 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 24 Hrs. (38)
London (Kew)	11·2	-6	S'W	3	c-bc	61	85	58	7	5	3	3	4-6	7-8	4000	1	*	71	55	42	Tr	2	10·7
Croydon	12·6	-6	S	3	c	61	92	59	7	8	4	2	4-6	9	1000	1	*	74	55	48	-	1	9·1
S. Farnborough	11·7	+2	SW/S	2	c-bc d	59	85	53	7	8	6	4	4-6	7-8	1200	1	*	72	56	47	-	2	12·4
Boscombe Down	11·3	0	SW	3	c/r	58	92	56	7	9	6	-	4-6	9+	600	1	*	69	56	54	-	3	11·6
Thorney Island	12·4	-2	SW	4	c-bc	61	85	57	8	2	3	3	4-6	7-8	1500	0	*	68	57	54	-	*	*
Lympne	13·2	-4	SW	2	c-f	61	92	59	6	5	8	4	4-6	9	2200	1	§	67	56	47	-	1	11·7
Manston	13·6	-10	SSW	3	c-bc	61	92	59	6	3	7	3	2-3	7-8	3000	1	*	68	58	55	-	1	7·3
Shoeburyness	13·5	-6	SSW	3	bc	63	85	58	8	-	4	6	0	4-6	-	1	*	70	60	54	-	1	11·0
Felixstowe	12·6	-10	S'W	3	c/r	62	92	59	7	5	9	-	4-6	9+	2500	1	3	70	61	58	-	0·4	[illegible]·3
Gorleston	12·9	-10	SSE	5	bc	64	85	59	7	-	7	-	0	4-6	-	0	4	69	60	52	-	-	7·5
Mildenhall	10·7	-14	SSE	2	c	60	92	57	8	8	6	2	4-6	9	3000	1	*	73	53	43	-	1	9·5
Cranwell	09·8	-20	SSE	3	c/r	56	97	56	5	5	-	-	10	10	600	1	*	69	49	40	-	5	1·4
Birmingham	07·9	-16	S	3	ir	57	92	55	6	5	1	-	9+	10	1500	1	*	68	54	43	-	2	8·7
Upper Heyford	09·6	-14	S	3	r r	58	97	57	5	5	2	-	7-8	10	600	1	*	70	56	54	-	2	*
Ross-on-Wye	08·4	-6	WSW	3	bc	59	85	54	8	8	-	3	2-3	4-6	2500	1	*	69	57	53	-	2	9·0
Hartland Point	10·7	+24	NW	4	bc	59	75	51	8	2	-	-	4-6	4-6	2000	1	3	67	57	53	-	2	5·8
Bristol	10·2	+6	W'N	4	c-bc/pr	59	92	57	7	5	4	-	4-6	7-8	900	1	*	71	57	56	-	4	11·1
Portland Bill	11·6	-4	W	5	c-bc	62	92	60	8	2	-	-	7-8	7-8	4000	1	4	64	59	*	-	4	*
Plymouth	12·8	+18	WNW	3	b-bc	57	85	53	8	8	7	-	2-3	2-3	2500	1	2	64	51	50	0·1	3	3·7
The Lizard	13·0	+14	WNW	5	bc	57	75	49	8	7	-	-	4-6	4-6	2000	0	4	67	55	*	2	1	2·8
Scilly (St. Mary's)	13·4	+16	WNW	5	bc	56	75	47	8	8	-	-	4-6	4-6	1200	1	4	66	56	*	3	0·2	3·3
Guernsey																							
Pembroke	10·0	+18	W'N	4	c-bc	56	92	53	8	2	6	-	4-6	7-8	2500	1	3	67	55	*	-	4	7·4
Holyhead (Valley)	07·0	+2	W'N	5	c	56	85	53	8	8	-	-	9+	9+	1500	1	3	66	55	52	-	4	*
Chester (Sealand)	07·6	-8	S'W	2	c/r	57	97	57	6	5	2	-	7-8	9+	2000	1	*	69	55	45	-	2	8·8
Manchester	07·8	-18	SSE	4	PR	57	92	55	6	9	-	-	9+	9+	2000	1	*	66	54	47	-	2	*
Spurn Head	10·7	-14	SSE	4	c	60	97	59	7	8	3	-	4-6	9	1500	1	3	64	58	*	-	Tr	9·2
Catterick (Sc)	09·4	-22	-	0	r r	52	97	52	4	5	-	-	10	10	1000	1	*	66	45	41	-	0·5	3·3
Tynemouth	10·7	-20	SSE	4	r r	56	97	55	6	-	2	-	10	10	800	1	3	58	54	50	-	0·2	*
St. Abbs Head	08·9	-20	SE	4	f+	54	97	54	2	5	-	-	10	10	2000	0	3	61	49	*	-	-	*
Leuchars	08·7	-14	ESE	3	z	55	92	52	6	5	7	-	7-8	10	3500	0	*	63	52	48	-	-	4·7
Renfrew (Abbots I.)	06·9	-14	ENE	2	ir	53	85	50	6	5	2	-	9	10	2500	1	*	67	50	43	Tr	1	5·6
Eskdalemuir	07·2	-24	SE'E	3	r r	53	85	48	5	6	2	-	7-8	10	900	1	*	61	45	37	-	0·1	5·9
Point of Ayre	05·5	-12	S'W	4	ir	58	92	56	8	6	7	-	7-8	9+	1000	1	4	67	56	*	-	2	9·4
Tiree	04·5	0	SE	3	r r	55	92	53	7	5	7	-	4-6	10	1000	1	3	62	54	51	-	9	9·2
Stornoway	06·4	-18	SE	4	c	56	75	49	7	5	1	-	7-8	9+	2200	0	3	61	52	47	0·5	-	4·2
Dalwhinnie	08·0	-16	S	3	ir	52	85	46	6	5	1	-	7-8	10	1500	1	*	58	47	38	-	Tr	1·8
Aberdeen †	10·8	-16	SE'S	3	c	56	92	54	6	5	3	2	2-3	9+	800	1	1	60	53	46	Tr	-	3·8
Wick	11·5	-10	SE	4	z	55	97	54	6	5	3	6	4-6	9+	800	0	*	62	53	49	-	-	*
Sumburgh	13·5	-4	SE	3	c	55	85	50	8	5	3	1	7-8	9	4000	0	2	59	53	46	Tr	-	9·0
Blacksod Point	06·8	-2	W'S	2	c-bc/pr	53	85	49	8	9	-	3	7-8	7-8	1500	1	1	63	48	*	4	6	*
Malin Head	04·8	+6	W'N	4	ir	54	85	50	8	-	2	-	10	10	1500	2	3	65	53		-	14	7·2
Aldergrove	06·0	+6	WNW	2	ir	53	92	51	8	5	-	-	9	10	900	1	*	65	51	51	Tr	5	9·5
Birr Castle	08·3	+10	S	1	c	50	92	48	8	5	-	-	9	9	2500	1	*	66	47	44	3	23	7·5
Valentia Obsy.	10·4	+2	SW'W	3	b-bc	53	75	46	8	2	-	-	2-3	2-3	2500	1	3	66	50	45	0·5	1	
Roches Point	10·9	+8	W	2	bc	52	92	50	8	2	3	-	1	4-6	2500	1	4	61	52	*	3	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC	13h. G.M.T. 24th August $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 25th August $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	77	01954	16215	5-	02867	13227	5·	01754	15214	57	05673	11526
115	83	25954	20386	83	02956	10226	84	01854	12324	54	02854	12426
203				20	01954	16314						
206	7-	02966	22426	53	02964	06327	50	01863	00023	53	05665	08217
210	8-	02956	28226	5-	02967	06427	53	01963	12214	07	05690	09318
219	83	02854	18426	86	02864	14415	54	01861	13414	52	64756	12468
230	14	01963	16125	13	02963	12226	57	02853	14127	52	61647	00068
245	26	01954	16415	53	01863	14314	5-	05634	12228	54	02763	13427
260	7-	02853	16127	53	02864	00024	54	05663	12214	5-	05644	12225
278	26	01953	18214	20	01962	15314				6-	62727	12368
270	86	02866	18386	26	02863	22225	5-	02765	08315	57	66655	10168
285	23	02854	22327	53	01854	18315				--	67109	12469
288	83	02864	19227	04	05690	12214	04	05690	16211	57	62762	00068
575	14	02964	16316	36	02856	18325	62	22635	14168	24	21964	20254
301	23	01754	26214	23	01752	32113	50	05663	12115	57	22625	13467
321	76	02754	14325	43	02763	16226	50	05663	14223	5-	05648	14268
299	24	05655	20315				00	00790	14200	5-	64758	12468
292	86	05666	00017	26	05663	00015	34	05663	10114	62	65537	10368
310				--	01644	20214				--	57109	20349
614	80	05665	22125	43	01764	14124	55	05564	00016	57	05564	12228
388	23	01864	14324	03	02850	09225	52	22754	16460			
334	--	02744	26215	--	02744	26115				--	65537	22288
340	87	02954	20215	23	01963	16124	57	22854	12326	52	64546	12468
136	86	02765	01216	86	01764	04214	00	05690	12311	86	25756	15387
336	25	01754	16314	53	02754	16328				90	95616	24496
850	2-	02855	14115	10	01862	17113	5-	02755	10205	53	25733	16465
388	83	02854	14215	53	01963	16325	5-	02748	16268	80	81855	20365
379	57	02855	16215	87	01853	14214	5-	22768	14368			
390	2-	05656	20227	26	05664	00015	04	05690	00013	5-	05564	16226
382	87	02854	16225	27	01964	18314	5-	22767	14367	86	21846	18356
438	14	01862	16213	14	01863	00014	57	02764	13325			
430	23	01954	14214	03	01950	14214	5-	22777	14368	86	25745	19386
409	87	02954	14527	87	81944	12587	5-	02622	20458	5-	02955	58425

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 25th August
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	bcwcy	cbcy	bcycrigc
Croydon	bcccy	cybcy	bbcrycir
Greenwich	bccy	cbcy	bcrbccp
Camden Square	b	c	*
Kensington	bc	bc	*
Hampstead	bc	bc	orbc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. [illegible] Time
20·[illegible]
Min. Time
Whole Period

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	71	55	42	Tr	2	10·7	*	*
Croydon	74	55	48	-	1	9·1	*	*
Greenwich	74	54	41	-	0·8	9·9	39	69
Westminster	72	60	50	0·1			53	81
Regents Park	72	60	51	-	0·5		43	71
Camden Square	74	58	49	-	0·3	*	*	75
Kensington	72	58		-	0·8	5	50	79
Hampstead	71	58	51	-	1·6		*	82

SECRET

Page 1 BRITISH SECTION

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

Thursday 26th August 1943

No. 29862

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	12·0	+4	WSW	4	c	66	45	46	8	8	–	–	9+	9+	2500
	Croydon	13·0	+2	SW	5	pr	69	55	50	8	8	–	3	4-6	9+	1400
	S. Farnborough	12·5	+6	W'S	3	c-bc	67	55	48	8	8	6	–	7-8	7-8	2500
	Boscombe Down	12·8	+10	WNW	3	bc	66	45	44	8	8	–	–	4-6	4-6	3000
	Thorney Island	13·3	+6	SW'S	6	b-bc	68	45	43	9	8	–	3	2-3	2-3	2500
	Lympne	13·0	-2	SW	4	bc	67	65	56	8	2	6	–	4-6	4-6	2500
	Manston	12·2	-4	SW'S	4	c-bc	70	55	53	8	2	3	–	4-6	7-8	2500
2	Shoeburyness	12·4	0	W'S	3	bc	72	55	55	8	2	–	–	4-6	4-6	4000
	Felixstowe	11·0	-8	S	4	c-bc	72	65	58	8	8	–	–	4-6	7-8	4000
	Gorleston	10·3	-12	S'W	4	pr	63	85	59	7	3	6	–	9	9	1000
	Mildenhall	09·9	-8	SW'W	5	bc/pr	69	55	50	8	2	6	–	4-6	4-6	2500
	Cranwell	09·0	+6	W	5	c-bc	66	55	51	8	2	–	–	7-8	7-8	2000
3	Birmingham	10·5	+14	W	3	c-bc	61	45	40	8	8	–	–	4-6	7-8	4000
	Upper Heyford	10·8	+8	W	5	c-bc	65	45	45	9	1	6	–	7-8	7-8	3500
4	Ross-on-Wye	11·5	+12	WSW	5	bc	64	45	42	9	2	–	–	4-6	4-6	3500
5	Hartland Point	12·6	+6	WSW	4	bc	59	65	48	8	2	–	–	4-6	4-6	2500
	Bristol	12·9	+14	W	5	b-bc	64	55	48	9	2	6	–	2-3	2-3	2500
	Portland Bill	14·3	+16	SW	5	c-bc	62	85	59	8	2	4	–	4-6	7-8	4000
	Plymouth	14·9	+8	WSW	4	bc	62	75	54	9	2	6	2	2-3	4-6	2500
	The Lizard	14·6	+4	WSW	4	c-bc	63	75	56	8	8	4	–	7-8	7-8	3000
	Scilly (St. Mary's)	14·1	0	NW'N	3	c/pr	57	92	55	8	8	6	5	7-8	9+	1200
	Guernsey															
6	Pembroke	12·4	+8	WSW	4	b-bc	59	85	52	8	2	–	–	2-3	2-3	2500
7	Holyhead (Valley)	10·1	+10	W	5	bc	62	55	43	9	2	–	–	4-6	4-6	3000
	Chester (Sealand)	09·5	+12	NW	3	c-bc	63	55	49	8	7	–	–	7-8	7-8	2800
8	Manchester	09·7	+22	WNW	4	c	57	75	40	8	3	–	–	9+	9+	2000
10	Spurn Head	07·7	-18	SSW	5	c	67	65	55	7	2	7	–	4-6	9	1500
	Catterick (Sc)	08·2	-4	ESE	1	pr	59	85	55	7	8	7	–	7-8	9+	2000
	Tynemouth	07·3	-8	SSW	3	c/r	59	92	57	6	8	–	–	9	9	1800
11	St. Abbs Head	05·3	-16	SE	5	rr	55	97	55	5	5	–	–	10	10	1500
	Leuchars	04·8	-24	SSE	4	rr	57	97	57	6	5	2	–	9+	10	700
12	Renfrew (Abbots I.)	05·2	-2	SSE	1	c	57	92	55	6	8	2	–	4-6	10	1000
	Eskdalemuir	05·2	-4	SW'S	4	c	56	92	53	8	5	–	–	10	10	1400
	Point of Ayre	08·7	+16	NW	5	bc	62	65	49	8	2	4	–	2-3	4-6	2000
13A	Tiree	05·6	+6	W	3	c	56	75	49	9	8	7	–	7-8	9+	2000
13B	Stornoway	05·2	0	S	2	ir$_0$	56	92	54	6	6	2	–	9+	10	2500
15	Dalwhinnie	05·5	-22	S	4	r$_0$r$_0$	53	85	48	6	5	2	–	7-8	10	1500
	Aberdeen	07·5	-20	SE	4	iR	57	97	56	6	6	–	–	10	10	800
	Wick	08·8	-12	SE	4	c	58	85	55	7	5	3	–	4-6	9+	1500
16	Sumburgh	12·8	-4	E'S	4	bc	58	75	51	8	1	–	2	2-3	4-6	2000
17	Blacksod Point	06·4	-2	SW	5	c	60	65	48	8	8	–	5	7-8	9	2500
18	Malin Head	06·0	+6	WNW	4	c-bc	57	65	45	8	2	6	4	2-3	7-8	2500
	Aldergrove	07·2	+10	SW	3	c-bc	61	55	46	9	3	4	4	4-6	7-8	2000
19	Birr Castle	08·7	-2	WSW	2	bc	61	65	49	8	2	–	–	4-6	4-6	1500
20	Valentia Obsy.	10·4	+2	SW'W	5	bc/pr	59	65	47	8	2	–	–	4-6	4-6	4000
	Roches Point	11·3	0	W	4	bc/pr	58	85	53	8	3	–	–	4-6	4-6	1500

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

Stations	Barom. at M.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)	13·2	-8	WSW	3	c-bc	65	45	45	8	8	–	–	4-6	7-8	2500	1	•
Croydon	13·9	+4	WSW	5	bc/pr	64	55	48	8	8	–	2	2-3	4-6	2500	0	•
S. Farnborough	13·6	+4	W'N	3	c-bc	64	55	49	8	8	6	4	2-3	7-8	2500	0	•
Boscombe Down	14·1	+6	NW'W	3	c-bc/pr	58	75	50	8	2	6	3	4-6	7-8	3000	0	•
Thorney Island	14·7	+10	SW	4	c-bc	62	65	50	9	8	–	8	4-6	7-8	4000	0	*
Lympne	14·4	+10	WSW	4	c-bc	61	65	50	8	1	7	3	2-3	7-8	3500	0	§
Manston	13·3	+10	SW'S	4	bc	65	55	48	9	1	6	6	Tr	4-6	3500	0	•
Shoeburyness	13·4	+2	SW	3	c-bc	66	55	51	8	4	5	–	4-6	7-8	2500	0	•
Felixstowe	12·0	+6	SSW	4	bc	68	45	43	8	8	–	–	2-3	4-6	4000	0	4
Gorleston	11·1	+12	W	2	c-bc	67	45	47	7	8	7	–	4-6	7-8	2500	1	2
Mildenhall	11·5	+8	W'S	2	bc	65	45	43	8	1	4	1	4-6	4-6	4000	0	•
Cranwell	11·1	+10	W	4	b-bc	64	45	43	9	2	–	–	2-3	2-3	4000	0	•
Birmingham	11·7	+8	WSW	3	b	60	55	44	8	1	–	–	1	1	4000	1	•
Upper Heyford	11·9	+8	WSW	4	b	64	45	41	9	1	–	5	1	1	4000	0	•
Ross-on-Wye	12·2	0	WSW	3	b-bc	62	55	47	8	8	–	3	2-3	2-3	3500	0	•
Hartland Point	11·6	-6	WSW	5	c-bcjp	60	65	49	8	2	6	1	4-6	7-8	2500	0	4
Bristol	13·6	+4	W	2	c-bc/pr	57	85	54	8	3	6	3	4-6	7-8	2500	1	•
Portland Bill	14·2	-6	SW	5	c	60	85	56	8	2	4	–	4-6	10	4000	1	4
Plymouth	14·3	-4	SW'W	4	c	60	85	56	9	8	6	8	2-3	9+	2500	1	3
The Lizard	13·5	-4	WSW	4	c	59	85	53	8	8	2	–	7-8	9+	2500	0	4
Scilly (St. Mary's)	13·4	-4	SW'W	2	c/pr	58	75	51	8	8	7	5	7-8	9	200	1	3
Guernsey																	
Pembroke	12·1	-2	SW'W	3	bc	58	92	55	8	2	4	1	2-3	4-6	3000	1	3
Holyhead (Valley)	10·3	-2	SW	6	b	59	65	47	8	7	4	3	Tr	1	3500	1	4
Chester (Sealand)	10·8	+6	W'S	3	b-bc	61	45	41	9	2	–	–	2-3	2-3	3500	0	•
Manchester	10·5	+2	W	2	b-bc	57	75	49	9	2	6	–	2-3	2-3	2500	1	•
Spurn Head	10·6	+6	W'N	5	bc	63	55	45	7	7	3	–	4-6	4-6	2500	0	3
Catterick (Sc)	09·3	+10	SW	4	b-bc	58	65	47	8	2	–	5	2-3	2-3	3500	1	•
Tynemouth	07·8	+6	WSW	5	bc	61	55	46	7	2	–	–	4-6	4-6	2200	1	2
St. Abbs Head	05·7	+6	W	4	bc	58	65	46	8	5	4	–	4-6	4-6	3000	1	3
Leuchars	04·7	+6	WSW	4	c-bc	56	85	50	9	8	8	2	4-6	7-8	3000	1	•
Renfrew (Abbots I.)	06·6	+2	W	3	bcjp	58	75	48	9	2	6	–	4-6	4-6	2500	1	•
Eskdalemuir	07·0	+10	SW'W	3	bc	53	75	48	8	5	–	–	4-6	4-6	1800	0	•
Point of Ayre	08·5	0	W	4	b-bc	59	65	46	8	3	4	4	2-3	2-3	2000	0	4
Tiree	06·1	+2	SW	3	bc	57	75	48	9	2	6	–	2-3	4-6	1800	1	2
Stornoway	03·8	-6	NW	2	r$_0$r$_0$	53	97	53	7	6	2	–	4-6	10	2000	1	2
Dalwhinnie	05·0	+4	SSW	4	c	48	92	45	8	5	2	–	9	10	1500	1	•
Aberdeen	03·5	-22	SW	2	z$_0$	56	97	55	6	5	2	–	7-8	10	1500	1	2
Wick	06·1	-16	SE	4	d$_0$d$_0$	55	97	55	6	6	2	–	4-6	10	500	1	•
Sumburgh	10·4	-14	E'S	4	c-bc	56	85	53	8	8	6	2	4-6	7-8	2000	0	3
Blacksod Point	04·5	-14	SSW	5	c-bc/pr	57	65	45	8	8	–	6	4-6	7-8	2500	1	4
Malin Head	05·9	-2	S'W	3	c-bc/r	54	75	46	8	2	–	–	2-3	7-8	2500	2	3
Aldergrove	07·6	-2	SW'S	1	c-bc/pr	55	85	49	9	3	4	3	7-8	7-8	2000	1	•
Birr Castle	06·7	-6	W	2	c-bc	61	75	53	8	4	–	–	7-8	7-8	1500	1	•
Valentia Obsy.	09·5	-6	SW'W	4	c-bc	56	75	48	8	8	–	–	7-8	7-8	4000	1	4
Roches Point	10·2	-10	W'S	4	bc	60	75	52	8	2	3	–	1	4-6	2500	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 25th (39)	13h.–18h. 25th (40)	18h. 25th – 1h. 26th (41)	1h.–7h. 26th (42)
London (Kew)	pr$_0$bccy	cbc	bc	crrrv
Croydon	cbcycpr$_0$	cpr$_0$bcybcpr$_0$	cbcbc	crvcrr
S. Farnborough	bccbcy	bcycy	cybcc	cr$_0$rm
Boscombe Down	cbcbcy	bcypr$_0$cpr$_0$	cbcccr$_0$	crcrcrc
Thorney Island	cbcbcy	bcyc	cbcc	cmcrr
Lympne	cm$_0$pRbc	bc	bbcm$_0$w	bccm$_0$cir
Manston	cmPRpr$_0$	bcy	bcycbbc	bcc
Shoeburyness	cbcy	bcycy	bcc	cir$_0$
Felixstowe	cpr$_0$c	bcy	bcb	bbcc
Gorleston	ctirr$_0$	cHrhbccy	bylbcc	c
Mildenhall	cpr$_0$bc	bcy	bcybc	bccrrm
Cranwell	bcy	bcyv	bbcpr$_0$cbc	bc
Birmingham	r$_0$cbcc	bc	bc	cz
Upper Heyford	cr$_0$r$_0$m$_0$c	bcy	bcypr$_0$c	crr$_0$rm$_0$
Ross-on-Wye	bcvy	bcy	P$_0$cPbc	ccr
Hartland Point	bc	bccprbc	bcprc	bccpr
Bristol	ccpr$_0$bcbc	bcybccpr	bcpm$_0$	cirr$_0$rrm
Portland Bill	c	c	cc	orr
Plymouth	bc	bccpr$_0$c	cpr$_0$	cr$_0$d$_0$m$_0$
The Lizard	bccc	bcprc	cbcw	bcprc
Scilly (St. Mary's)	bccpq	cpr$_0$c	circ	cr$_0$r$_0$bc
Guernsey				
Pembroke	b	bcpr$_0$	prbc	bc
Holyhead (Valley)	bc	bcbbcb	b	bbcjp
Chester (Sealand)	cajr$_0$c	cbcy	cbcr$_0$z	cmbcm
Manchester	pRpr$_0$m$_0$	cbcpr$_0$	bbcb	bbcm$_0$w
Spurn Head	c	bc	bc	bc
Catterick (Sc)	cm$_0$cr$_0$m	cpr$_0$c	b	bbm
Tynemouth	or$_0$r$_0$m$_0$	cpm$_0$cbc	bcm$_0$	bcm$_0$
St. Abbs Head	cmr$_0$rfcr$_0$r	cbcpr m$_0$	bcb	bcr$_0$bc
Leuchars	cmr$_0$r$_0$cm$_0$r	cm$_0$rbcc	bw	bfgcm$_0$
Renfrew (Abbots I.)	crrircm$_0$	cm$_0$prbc	bccbcb,c	acr$_0$bcc
Eskdalemuir	orrmRRRc	bcirbc	cprtcr	cr$_0$
Point of Ayre	cb	b	bc	bc
Tiree	cr$_0$mpc	cbc	bcbbcb	bbc
Stornoway	cr$_0$r$_0$cir$_0$cm$_0$	cr$_0$r$_0$mcr$_0$r$_0$	cmr$_0$cir$_0$	c
Dalwhinnie	orr	oir	*	oirb
Aberdeen	ciRm$_0$	ciRircm$_0$	o.m$_0$	c
Wick	c	cir$_0$mgmgdd$_0$	crrcb	bcpr$_0$c
Sumburgh	bc	bcc	bcwcnc	r$_0$r$_0$rRc
Blacksod Point	pr	pr	pr	pr
Malin Head	bc	r	r	bc
Aldergrove	bccbc	bccprc	cprccprc	bccbcoc
Birr Castle	bc	pr	•	bc
Valentia Obsy.	pr	pr	pr	pr
Roches Point	pr	bc	b	b

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

Districts	Forecast
1 S.E. England	Wind veering westerly, moderate or fresh later; variable cloud with bright periods especially at night; occasional showers with chance of local thunder; cool.
2 E. England, 3 E. Midlands	(as 1)
4 W. Midlands, 5 S.W. England, 6 South Wales	Wind southerly soon veering westerly, moderate to fresh locally; dull with some thundery rain early, then bright intervals and some showers with chance of local thunder; cool.
7 North Wales, 8 N.W. England, 9 N. Midlands	Moderate westerly winds; bright periods; local showers; rather cool.
10 N.E. England, 11 S.E. Scotland, 12 S.W. Scotland & Isle of Man	Fresh southerly winds, strong locally on coast, veering west to northwest rather squally; showery; some local thunder; bright intervals; rather cool.
13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Wind mainly southerly, light to moderate except locally on the coasts; cloudy; occasional rain or showers; some local thunder; bright intervals; rather cool.
16 Orkneys and Shetlands	As 10-15
17 N. W. Ireland, 18 N. E. Ireland	Wind northwest fresh to strong at times on coast, squally; showers and brighter intervals; cool.
19 S. E. Ireland	As 7
20 S. W. Ireland	As 17

GENERAL INFERENCE

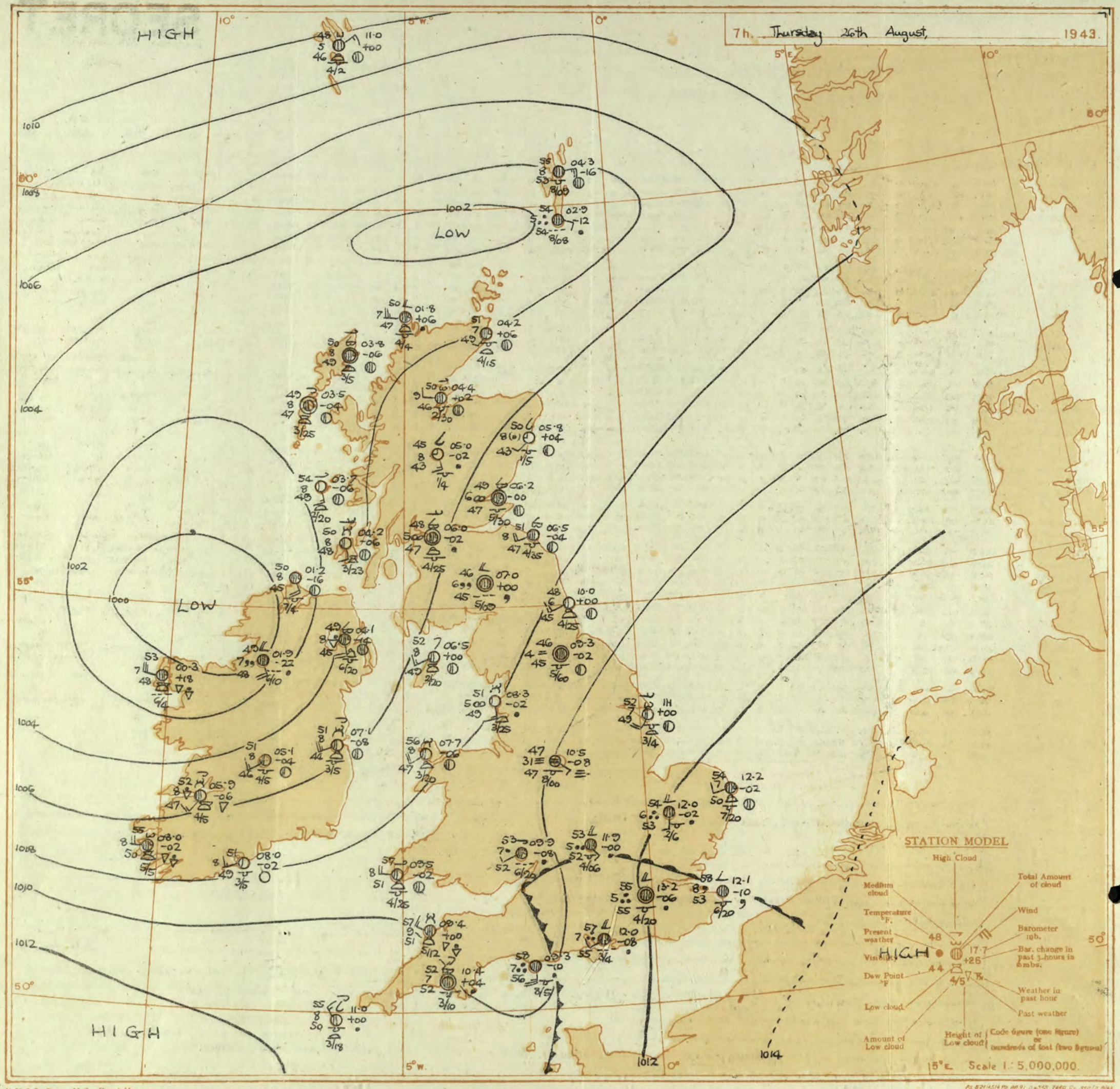
A complex depression covers the British Isles. One centre over Northwest Ireland is moving eastnortheast and a secondary disturbance over West England will move northeast quickly. Weather will be rather cool and mainly showery, following some rain of a thundery type in East England at first.

FURTHER OUTLOOK

Continuing rather cool, unsettled and mainly showery

Forecasts issued at 1030.

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

All times are G.M.T. Add one hour to get summer time.

BRITISH SECTION

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

Thursday 26th August 1943

No. 29862

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

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	15·8	0	SSE	3	c	53	92	50	7	5	4	-	7-8	9+	5500
	S. Farnborough	226	13·4	-10	S	2	c	54	85	51	8	5	2	-	4-6	10	3000
	Boscombe Down	417	13·5	-8	S'E	1	rv	54	92	52	8	5	-	-	10	10	5500
	Thorney Island	10	14·0	-6	SSW	2	pr	60	75	53	7	7	3	-	7-8	10	6100
	Lympne	283	14·9	-8	WSW	1	z	53	85	50	6	-	-	6	0	2-3	-
	Manston	154	14·6	+2	SSW	3	bc	53	85	50	7	-	-	6	0	4-6	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	14·1	+2	SW'W	3	b	58	85	54	7	-	-	-	0	0	-
	Gorleston	5	12·8	+10	SW	2	c-bc	55	65	43	7	5	-	-	7-8	7-8	1500
	Mildenhall	15	13·0	0	SSW	3	bc	55	75	48	8	-	7	-	0	4-6	-
	Cranwell	203	11·6	-6	WSW	1	b-bc	53	85	49	7	5	-	-	2-3	2-3	4000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·8	-2	SSW	2	c-bc	52	92	49	7	5	-	6	2-3	7-8	3000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10·8	-10	SSE	4	c-bc/pr	54	85	50	8	2	6	-	4-6	4-6	1500
	Bristol	209	13·5	-2	S'W	3	c	54	85	51	8	-	6	-	0	7-8	-
	Portland Bill	32	13·4	-6	SW	4	c	60	92	58	8	5	-	-	10	10	4000
	Plymouth	86	11·8	-20	E'N	1	rr	54	97	54	6	8	2	-	10	10	2600
	The Lizard	240	11·4	-14	WSW	2	bc	53	97	52	7	4	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	11·5	-10	WNW	2	c	54	92	53	8	5	-	-	9+	9+	1500
	Guernsey	175															
6	Pembroke	142	10·2	-12	WSW	4	bc	57	75	50	8	2	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	09·2	-6	SW'W	4	b-bc	55	75	46	8	8	6	-	2-3	2-3	2500
	Chester (Sealand)	16	10·3	-6	-	0	b-bc	49	55	33	7	5	4	-	2-3	2-3	3000
8	Manchester	230	10·9	-6	SSW	3	bc	52	85	48	7	4	4	-	2-3	4-6	5000
10	Spurn Head	29	11·6	-4	SW'S	3	bc	55	65	46	7	7	3	-	4-6	4-6	1500
	Catterick (Sc)	192	10·2	-4	SSW	2	b-bc	46	92	45	8	2	3	-	1	2-3	3000
	Tynemouth	108	09·1	-2	WSW	2	b-bc	50	85	47	7	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	07·5	0	SW	4	b-bc	48	85	44	7	5	-	-	2-3	2-3	4000
	Leuchars	36	06·6	+2	WSW	2	b	47	92	45	8	5	-	-	1	1	4000
12	Renfrew (Abbots I.)	19	07·0	-2	-	0	c-bc	48	92	46	7	5	-	-	7-8	7-8	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	07·7	-6	WSW	3	c	54	85	49	8	5	-	-	10	10	2500
13A	Tiree	44	05·1	-10	SSW	3	b	53	85	49	9	4	-	-	Tr	Tr	2000
13B	Stornoway	12	04·8	+2	-	0	c	50	92	49	7	5	2	-	7-8	10	4500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	05·4	+10	WSW	2	bc	49	85	46	9	5	7	-	4-6	4-6	4000
	Wick	114	02·8	-10	SSW	3	b-bc	51	97	50	8	5	-	-	2-3	2-3	1500
16	Sumburgh	19	06·3	-22	ENE	5	ir	55	92	53	8	5	2	-	7-8	10	900
17	Blacksod Point	18	00·0	-24	SW'S	6	c-bc/pr	55	75	48	8	9	-	-	7-8	7-8	1500
18	Malin Head	84	04·2	-10	S'E	2	b-bc	50	85	46	8	4	-	-	2-3	2-3	2500
	Aldergrove	268	06·8	-10	SSE	3	bc	50	85	47	8	5	-	1	4-6	4-6	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	08·8	-6	W'S	4	b-bc	55	75	47	8	3	-	-	2-3	2-3	2500
	Roches Point	22	09·4	-6	WSW	3	b	53	85	49	8	5	-	-	1	1	2500

OBSERVATIONS at 7 hr. G.M.T. 26th August — 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 25th Hrs. (38)
London (Kew)	11·8	-10	S	2	rr	56	92	54	6	6	2	-	7-8	10	1500	1	*	68	54	48	Tr	7	6·8
Croydon	13·2	-6	-	0	rr	59	97	55	5	5	2	-	4-6	10	2000	1	*	70	53	50	Tr	2	8·3
S. Farnborough	11·1	-14	ESE	2	rr	54	97	53	5	5	7	-	9+	10	1200	1	*	69	53	47	-	8	8·7
Boscombe Down	10·6	-18	SE'S	4	c/r	55	97	54	7	6	2	-	9	10	600	1	*	66	51	48	0·3	3	8·1
Thorney Island	12·0	-6	SW	2	rr	57	92	55	7	6	2	-	2-3	10	1500	1	*	69	54	51	-	9	*
Lympne	12·5	-10	S	3	d	58	92	56	7	5	7	-	4-6	10	1000	1	§	68	51	46	1	1	10·5
Manston	12·6	-10	SE	4	id	58	85	53	8	5	1	-	9	10	2000	0	*	72	52	50	2	Tr	9·4
Shoeburyness	12·8	-10	WSW	1	c	59	75	54	7	5	7	-	4-6	9+	5700	0	*	74	56	53	0·1	-	8·5
Felixstowe	12·8	-10	WSW	1	c	59	75	51	7	5	7	-	4-6	9+	5700	0	2	74	56	53	Tr	-	8·5
Gorleston	12·2	+2	WSW	2	c	54	85	50	7	8	-	-	9+	9+	2000	1	2	70	53	50	10	Tr	6·0
Mildenhall	12·0	-2	S	1	rr	54	97	53	6	5	2	-	1	10	4000	1	*	73	54	43	1	1	7·5
Cranwell	10·8	-2	S'W	2	c-bc	51	97	50	7	-	7	-	0	7-8	-	0	*	69	45	40	Tr	Tr	*
Birmingham	10·5	-2	-	0	iv	50	92	48	5	5	-	-	10	10	1500	1	*	65	48	40	Tr	Tr	7·8
Upper Heyford	11·9	0	SE	2	rv	53	97	52	5	5	2	-	4-6	10	600	1	*	68	51	48	0·3	3	*
Ross-on-Wye	09·9	-8	WSW	1	ir	63	97	52	7	6	-	3	9	9+	2000	1	*	(64)	50	42	-	3	9·5
Hartland Point	09·4	0	WNW	3	c-bc/pr	57	85	51	9	2	6	-	7-8	7-8	1200	1	3	61	53	50	0·1	1	9·4
Bristol	10·2	-8	S	1	rr	52	97	52	6	6	7	-	2-3	9+	500	1	*	65	51	50	0·6	7	8·7
Portland Bill	09·3	-10	S	5	rr	58	92	56	7	5	-	-	10	10	2500	1	5	62	56	*	-	4	*
Plymouth	10·4	+4	-	0	z	52	97	52	7	5	7	4	2-3	7-8	1000	1	1	63	51	43	Tr	7	9·1
The Lizard	10·5	0	WNW	2	c	57	97	57	9	5	-	-	9+	9+	2000	1	3	64	58	*	0·5	0·5	9·4
Scilly (St. Mary's)	11·0	0	NW	3	bc	55	85	50	8	7	4	3	2-3	4-6	1300	1	3	64	52	*	4	4	1·2
Guernsey																							
Pembroke	09·5	-2	W	4	bc	57	85	51	8	2	-	1	4-6	4-6	2500	0	3	62	54	*	1	Tr	9·5
Holyhead (Valley)	07·7	-6	SW	4	bc	56	75	47	8	2	6	-	2-3	4-6	2000	0	3	63	54	49	-	-	*
Chester (Sealand)	09·1	-6	S'W	2	b-bc	50	85	46	6	5	3	-	2-3	2-3	3500	0	*	65	48	41	2	Tr	7·6
Manchester	09·5	-6	S'E	3	z	51	85	47	6	1	4	-	2-3	4-6	2500	1	*	62	48	40	6	-	*
Spurn Head	11·1	0	SSW	4	bc	52	85	49	7	7	3	2	2-3	4-6	1500	0	3	68	52	*	Tr	-	7·4
Catterick (Sc)	09·3	-2	-	0	m	46	92	45	4	5	-	-	7-8	10	6000	1	*	63	42	39	2	-	3·6
Tynemouth	10·0	0	SW	3	b-bc	48	92	45	6	2	-	-	2-3	2-3	2500	0	1	62	47	45	4	-	*
St. Abbs Head	06·5	-4	SW	4	c-bc	51	85	47	8	5	7	-	4-6	7-8	3500	0	3	61	46	*	21	0·5	*
Leuchars	06·2	0	-	0	z	49	92	47	6	5	7	-	7-8	9+	3000	0	*	60	41	35	7	-	1·6
Renfrew (Abbots I.)	06·0	-2	-	0	z	48	92	47	5	8	7	2	4-6	9+	2500	1	*	60	45	36	12	0·2	2·0
Eskdalemuir	07·0	0	-	0	dd	46	97	45	6	6	2	-	7-8	10	900	1	*	59	38	29	10	7	3·2
Point of Ayre	06·5	0	SW'W	3	b-bc	52	92	49	8	3	-	4	1	2-3	2000	0	2	64	46	*	-	-	8·2
Tiree	03·7	-6	SSE	3	b-bc	54	85	49	8	1	-	1	1	2-3	2000	0	3	60	51	45	7	0·1	3·2
Stornoway	03·8	-6	-	0	c	50	92	49	8	2	7	1	2-3	9+	2500	1	1	57	47	45	15	5	0·0
Dalwhinnie	05·0	-2	SSE	3	b	45	92	43	8	5	4	-	Tr	1	1500	1	*	55	38	31	5	0·1	0·1
Aberdeen †	05·8	+4	SSW	1	bjp	50	75	43	8	5	4	-	Tr	1	2500	1	*	59	44	30	11	-	0·7
Wick	04·2	+6	SSW	1	c	51	92	49	7	7	-	-	4-6	9+	1500	1	*	59	48	45	0·2	4	*
Sumburgh	02·9	-12	E'S	2	rr	54	97	54	5	6	-	-	10	10	800	1	4	59	53	51	-	9	9·0
Blacksod Point	00·3	+18	W'N	6	c/pr	53	85	48	7	9	-	-	9	9	1500	1	5	61	52	*	2	5	*
Malin Head	01·2	-16	SE	4	c	50	85	45	8	5	-	-	9+	9+	1500	2	3	59	46		1	0	8·0
Aldergrove	04·1	-14	S'E	4	pr	49	85	45	8	8	-	-	9	9+	2000	1	*	61	45	42	6	3	5·9
Birr Castle	05·1	-4	SW	3	bc	51	85	46	8	5	-	-	4-6	4-6	2500	1	*	63	47	44	0·1	-	8·9
Valentia Obsy.	08·0	-2	W	4	c/pr	55	85	50	8	3	3	-	7-8	9+	2500	1	4	62	51	47	1	4	10·4
Roches Point	08·0	-2	WSW	3	b-bc	51	92	49	8	5	-	-	2-3	2-3	2500	1	4	61	54		1	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 25th August — 18h. G.M.T. — 01h. G.M.T. 26th August — 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
100	7	02753	44516				5-	22628	42568	5-	62848	23528
115	57	02854	12526	52	62635	41568	52	66635	57568	82	02744	57567
203										53	02944	16425
206	57	62753	07468	62	22735	-----	52	22865	22468	53	02962	24225
210	57	22865	18468	52	64635	17368	57	61864	20368	53	02962	24225
219	57	61735	26467	7-	02954	20267	80	01863	14213	36	01853	00014
280	52	62647	00068				5-	01953	00013	88	02952	00025
245	52	64638	43568	27	05642	22367	54	01761	22211	04	01990	00003
260	52	64445	16268	8-	25665	21425	00	00790	20310	57	61744	20316
278												
279	86	02956	24467	30	01863	21513	8-	02855	20315	97	25754	16293
285	67	63745	22467	20	01853	24613				23	09743	24314
288	93	91655	18398	20	01853	20413	04	01890	16301	08	05690	15314
576	26	81864	20386	96	10844	24286	54	25853	12383	62	52746	14468
301	26	01843	23564	74	01943	22414	50	05663	14313	16	05553	14363
321	5-	81657	26467	16	01763	25384	50	05663	18213			
296	80	01745	14415	80	01752	24412	04	01790	24203	04	08490	14113
292	52	01646	20388	24	01352	24383	50	01760	16214	54	05653	24213
310	--	03628	24488									
614	36	02755	22416	20	01853	26413	5-	05664	24218	57	41461	00045
388	20	02865	26325	24	01863	20413	20	25754	20384	24	01854	15214
334	--	02744	26314	--	01743	26313				--	01742	06103
340	86	02964	24425	26	01863	23313	00	00890	17210	57	22654	12365
136	36	25864	18484	86	01863	23424	5-	02767	21217	57	61751	18227
336	10	01754	24514	53	01752	20414	04	01790	17214	23	01752	20313
850	2-	02855	65565	46	01862	22413	50	02765	16115	62	64644	14268
368	26	01964	24414	83	25854	24385	50	01763	22383	8-	82744	20326
379	10	01854	55514	13	01852	22413	50	01763	22213	62	64535	16268
390	20	05654	20315	20	01763	57423	00	05690	18223	52	62455	00068
382	26	02855	56555	26	01964	25314				52	64636	12168
438	73	01754	22514				50	01754	21324	8-	81757	16287
430	27	01843	53424	20	02854	20425	56	22745	00025	5-	62658	00068
409	86	01954	22524	26	02954	22425	5-	01744	14384	57	61965	26166

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 August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—17h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	prbccy	cb	bcgrgr
Croydon	cbcycpc	cpcbcybcp	cgrrbc
Greenwich	chcy	bccbcy	bcbcrr
Camden Square	c	b	*
Kensington	cbc	bc	*
Hampstead	bc	bc	or

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended Max. T. 20·1
Min. Time Whole period

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	68	54	48	Tr	7	6·8	*	*
Croydon	70	63	50	Tr	2	8·3	*	*
Greenwich	72	54	46	-	6·3	9·1	44	94
Westminster	70	56	53	8·0			54	96
Regents Park	72	56	53	-	8·6		38	91
Camden Square	72	56	51	-	8·4	*	*	94
Kensington	71	55	51	-	8·3		48	96
Hampstead	69	53	48	-	10·5		*	98

Page 1 BRITISH SECTION

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

SECRET

Friday 27th August 1943

No. 29863

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

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)	08·2	-14	WSW	3	cbc/pr	61	85	56	8	8	-	4	4-6	7-8	1500
	Croydon	09·2	-22	S	4	c	65	65	53	8	2	7	-	7-8	9+	3000
	S. Farnborough	08·5	-10	W'N	3	cbc	65	65	53	8	8	-	6	4-6	7-8	2000
	Boscombe Down	09·6	-2	W'N	2	c	64	65	51	8	2	-	-	9	9	2500
	Thorney Island	09·3	-12	SW	3	c	68	65	56	9	8	-	3	7-8	9	2300
	Lympne	09·5	+14	SW	4	c	63	65	53	8	2	7	3	4-6	9	2200
	Manston	09·0	-20	SW'S	4	cbc	67	65	53	8	8	4	-	7-8	7-8	3000
2	Shoeburyness	10·0	-6	S'W	2	c	70	65	58	7	4	2	8	7-8	9	2500
	Felixstowe	09·9	-18	SE'S	4	rr	61	85	58	6	5	7	-	4-6	7-8	2500
	Gorleston	10·1	-18	SE'S	2	c	61	75	52	7	8	-	-	9	9	2500
	Mildenhall	08·6	-26	SE	3	c	62	85	57	8	5	-	-	4-6	9+	2500
	Cranwell	08·8	-16	S'E	2	roro	55	92	52	7	2	7	-	4-6	9	2000
3	Birmingham	07·8	-8	WNW	2	cbc	61	55	45	8	8	-	-	7-8	7-8	2500
	Upper Heyford	08·3	-20	NW	2	cbc	61	75	53	9	2	7	-	7-8	7-8	2500
4	Ross-on-Wye	08·2	-12	WNW	2	bc	64	55	47	8	2	-	-	4-6	4-6	3500
5	Hartland Point	09·7	+2	W	4	pr	58	75	50	8	2	6	-	4-6	7-8	1500
	Bristol	09·5	-4	W	4	b	65	55	43	8	2	6	-	1	1	2500
	Portland Bill	10·2	+2	WSW	4	cbc	62	85	59	8	2	-	-	7-8	7-8	4000
	Plymouth	10·8	+2	WNW	4	bc/pr	65	85	61	9	2	6	-	4-6	4-6	2500
	The Lizard	11·9	+6	W	4	bc	63	65	53	8	2	3	-	2-3	4-6	2500
	Scilly (St. Mary's)	12·1	+6	WSW	3	cbc	63	75	54	8	8	6	2	4-6	7-8	1800
	Guernsey															
6	Pembroke	08·5	-4	W'S	4	bc	59	85	55	8	2	4	1	2-3	4-6	3000
7	Holyhead (Valley)	06·2	-10	SW	6	bc	61	65	47	8	2	6	3	4-6	4-6	3500
	Chester (Sealand)	07·0	-10	W	3	cbc	65	45	42	8	3	4	6	4-6	7-8	4000
8	Manchester	07·7	-12	S'W	4	bc	63	55	46	9	3	6	3	2-3	4-6	2500
10	Spurn Head	09·4	-16	SSE	3	roro	56	92	53	7	6	2	-	7-8	10	1500
	Catterick (Sc)	06·8	-16	SSW	2	c	61	65	49	7	8	6	-	7-8	9	3000
	Tynemouth	07·6	-6	SSW	4	bc	62	65	45	7	2	-	-	4-6	4-6	2200
11	St. Abbs Head	06·1	-4	SW	4	pr	53	75	45	8	5	2	-	4-6	9+	2500
	Leuchars	05·4	-10	ENE	3	c	57	65	46	8	8	6	2	2-3	9	2000
12	Renfrew (Abbots I.)	04·9	-4	-	0	pr	55	85	49	7	9	7	-	9	9+	2000
	Eskdalemuir	04·8	-14	SSW	4	cbc	57	75	48	8	8	-	2	4-6	7-8	2100
	Point of Ayre	04·9	-6	SW'S	5	cbc	60	55	45	8	3	6	-	7-8	7-8	3000
13A	Tiree	03·2	-4	ESE	3	bcjp	59	66	47	9	2	6	1	2-3	4-6	2000
13B	Stornoway	03·5	+2	SSW	3	cbc/pr	58	75	49	8	8	6	-	4-6	7-8	2200
15	Dalwhinnie	04·5	0	S	2	c	55	65	43	7	8	3	1	7-8	9+	2500
	Aberdeen	05·9	-4	S	3	cbc	57	65	47	8	2	3	3	2-3	7-8	2500
	Wick	04·9	+4	S'E	2	b.bc	58	85	54	9	3	-	3	2-3	2-3	3000
16	Sumburgh	04·8	+12	SW'S	4	cbc	54	85	49	8	8	-	3	7-8	7-8	3000
17	Blacksod Point	04·5	+20	NW'N	4	c	59	75	51	8	8	-	-	9	9	1500
18	Malin Head	98·9	-2	E	1	RR	53	92	51	8	5	2	-	2-3	10	1500
	Aldergrove	01·4	-14	S'E	4	c	57	75	48	8	8	7	-	7-8	9+	2000
19	Birr Castle	04·8	-2	SW	3	cbc	55	85	51	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	08·9	+2	W'N	5	bc	58	85	53	8	2	-	-	4-6	4-6	1500
	Roches Point	07·3	-4	W	4	cbc/pr	57	85	52	8	3	1	-	4-6	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	08·2	+2	W	3	c	65	45	43	9	8	1	3	1	9+	2500	1	*
Croydon	09·0	-2	W	3	c	65	55	49	8	4	6	6	2-3	9	3000	1	*
S. Farnborough	08·7	+6	WNW	3	c-bc	64	55	47	8	8	4	8	1	7-8	3000	1	*
Boscombe Down	09·4	+2	W'N	2	c	60	55	49	8	2	4	6	2-3	9	3000	0	*
Thorney Island	09·3	+2	SW	2	bc	64	65	53	8	8	4	3	Tr	4-6	2500	0	*
Lympne	08·8	+2	WSW	2	c-bc	61	85	56	8	8	6	3	4-6	7-8	1800	1	§
Manston	07·9	+	SW'W	3	c	63	65	53	8	2	6	8	2-3	9	3000	0	*
Shoeburyness	09·0	-2	-	0	bc	63	75	56	7	3	7	-	2-3	4-6	1500	1	*
Felixstowe	07·6	0	SW	2	c-bc	63	85	56	7	8	-	1	4-6	7-8	2500	1	3
Gorleston	07·0	-8	SW'S	2	r/Hr	58	92	55	7	8	4	-	7-8	9	1800	1	3
Mildenhall	07·2	-6	W	2	c	62	75	55	8	2	8	6	Tr	9+	2500	1	*
Cranwell	06·8	-8	SE	2	c	59	85	54	8	2	2	2	4-6	9	3000	1	*
Birmingham	07·2	-4	WSW	3	c	60	55	44	8	8	7	-	7-8	9	2500	1	*
Upper Heyford	07·8	+2	WSW	4	c	61	65	47	9	8	4	6	1	9	4000	0	*
Ross-on-Wye	08·0	0	SSW	4	bc	58	75	50	8	8	-	8	2-3	4-6	3000	0	*
Hartland Point	08·8	-6	W	5	cjp	59	65	48	8	3	6	-	4-6	9	1500	0	4
Bristol	09·5	+2	W	4	c	59	65	48	8	8	6	3	2-3	9	2500	1	*
Portland Bill	10·5	+4	SW	1	c-bc	61	92	59	8	2	4	-	4-6	7-8	4000	1	4
Plymouth	11·5	+8	WSW	5	c	59	85	53	8	8	3	9	2-3	9	2500	1	3
The Lizard	12·5	+2	W	4	bc/pr	58	85	52	7	2	6	-	4-6	4-6	2000	0	4
Scilly (St. Mary's)	12·1	0	W'N	5	c-bcjp	59	75	50	8	3	4	-	7-8	7-8	1500	1	4
Guernsey																	
Pembroke	07·4	-2	W'N	7	c-bc/pr	58	85	54	8	2	4	-	4-6	7-8	2500	1	4
Holyhead (Valley)	05·2	+2	SW	5	c-bcjp	57	75	48	9	8	6	3	4-6	7-8	1500	1	3
Chester (Sealand)	06·2	-2	WSW	2	c-bc/pr	56	75	50	8	8	7	6	4-6	7-8	2500	1	*
Manchester	06·4	-6	SW	3	c/pr	52	92	50	8	9	-	-	10	10	1500	1	
Spurn Head	07·6	+2	ESE	3	c-bc	56	92	53	8	1	4	2	4-6	7-8	4000	1	1
Catterick (Sc)	05·2	-4	S	2	c	59	65	47	8	8	6	-	7-8	9	3000	0	*
Tynemouth	06·6	-2	SSE	3	bc	56	92	53	7	2	-	5	4-6	4-6	2200	1	2
St. Abbs Head	05·1	-6	SSE	2	bc	56	75	48	8	2	4	-	4-6	4-6	3800	0	3
Leuchars	04·9	0	-	0	c-bc	57	65	47	8	3	7	4	2-3	7-8	2500	0	*
Renfrew (Abbots I.)	04·7	+4	NE	2	pr	51	92	50	6	9	8	-	9	10	1600	1	*
Eskdalemuir	04·0	-2	SSW	3	bc	55	75	46	8	8	-	2	2-3	4-6	2500	0	*
Point of Ayre	03·3	-6	SW	4	b-bc	59	55	42	8	3	6	-	Tr	2-3	3500	0	3
Tiree	03·8	+6	E'S	3	c	57	75	48	9	8	6	3	7-8	9+	2000	1	2
Stornoway	04·8	+12	N	3	c-bc/pr	54	85	49	8	8	6	3	4-6	7-8	1800	1	1
Dalwhinnie	04·5	+4	S	2	c	51	75	42	8	8	4	-	4-6	9	2500	1	*
Aberdeen	05·7	+2	S	3	b	55	75	47	8	8	3	3	Tr	Tr	2500	1	1
Wick	05·3	+4	SSE	2	bc	56	97	54	9	3	7	5	2-3	4-6	3000	0	*
Sumburgh	06·0	+6	S'W	3	bc	58	85	50	8	5	-	5	2-3	4-6	2500	1	3
Blacksod Point	07·6	+18	NW'N	4	bc/pr	56	75	48	8	4	5	4	4-6	4-6	1500	1	4
Malin Head	01·8	+22	N'E	3	c-bc	55	75	47	8	5	-	-	7-8	7-8	1500	2	3
Aldergrove	00·3	-2	SW	3	c	54	85	50	9	8	7	-	7-8	10	2000	1	*
Birr Castle	06·0	+14	WNW	2	c	54	85	50	8	8	1	-	7-8	9	1500	1	*
Valentia Obsy.	10·7	+10	WNW	4	bc	57	75	49	8	2	-	-	4-6	4-6	2500	1	4
Roches Point	08·5	+10	NW	4	bc	59	85	54	8	3	-	3	4-6	4-6	1500	1	4

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)	cromopP	bccy	cyc	bw
Croydon	c	cprbccy	cycbc	bcbbcb
S. Farnborough	crromoprbc	bcyby	cycb	bbccb
Boscombe Down	crorocbc	ccybcycy	bc	bcprob
Thorney Island	cproc	bcc	bcc bcb	bbcb
Lympne	c	cepro	bcw	bcwbc
Manston	cidoc	bccy	cbc	bcb
Shoeburyness	ciroprPR	cyPRbc		bcw
Felixstowe	crr	crmcrebc	cbc	bbc
Gorleston	cproro	ctlrc	bcl	bclbc
Mildenhall	crmocirocc	cprbcc	cbc	bcw
Cranwell	crrororomo	bcc	bbc	bcmobc
Birmingham	ircbc	cbcpro	cbc	bcc
Upper Heyford	croromoc	bcvbcy	bcprobcl	bcb
Ross-on-Wye	cpocbc	bcyc	pocrob	bc
Hartland Point	cbccpr	cbcpr	prlbc	bc
Bristol	cmororobc	bybcybc	cptlrmo	bcmolb
Portland Bill	c	c	c	c
Plymouth	cbcvpr	bcvc	cprotl bc	bcbbc
The Lizard	bc	cprbc	bclpr	prbbc
Scilly (St. Mary's)	bcc	cpoqc	cpr	cpoc
Pembroke	bccprbc	PRqc	bcq	bccq
Holyhead (Valley)	bc	bcprc	bc proc	ciroc
Chester (Sealand)	bcmoy	cbccby	bcc iro	rorrPp
Manchester	bczopro	bcyproPRq	cprobcb	bcprmoV
Spurn Head	croro	bcc	bc	c
Catterick (Sc)	cbczoc	czobcc	cprotlbc	fbcmo
Tynemouth	bcmo	bcprc	coirc	bccmo
St. Abbs Head	bccpr	cprbc	bcrobc	bcmoprcm
Leuchars	cmorororoproc	cybccy	cbcb	bbc
Renfrew (Abbots I.)	cmcmocpro	cprmcflr	bc	bcmob
Eskdalemuir	tlRrc	cbc	cprbc	bc
Point of Ayre	bccy	cbc	bcroro	bcbc
Tiree	bc	bcjpbcc	cbcb	bbcc
Stornoway	cproc	cproc	cfgcprocpro	cidocprc
Dalwhinnie	bproc	cpro		bcb
Aberdeen	bbcc	cbcc	cbcbzo	bc
Wick	b	bcc	bfg	bcc
Sumburgh	c	cbc	b	cwbfgbw
Blacksod Point	pr	pr	c	pr
Malin Head	r	r	r	bc
Aldergrove	cproc	cprc	cprocroro	crorofcm
Birr Castle	pr	pr		c
Valentia Obsy.	pr	bc	bc	pr
Roches Point	pr	pr	bc	b

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Moderate westerly winds, backing and decreasing; scattered thundery showers, becoming fine tonight; cool.
5 S.W. England; 6 South Wales	Moderate west to southwest winds; scattered showers at first; local drizzle and some hill fog later; rather cool.
7 North Wales; 8 N.W. England; 9 N. Midlands	Moderate northwest winds, backing and decreasing; variable cloud amounts; scattered showers at first; cool
10 N.E. England; 11 S.E. Scotland	Moderate northwest winds, becoming variable light; a few showers at first, becoming fine tonight; local mist or fog around dawn; cool.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland	Moderate north winds, becoming variable light; scattered showers; local valley mist and fog around dawn; rather cool.
15 N.E. Scotland	Moderate north winds; scattered showers; rather warm.
16 Orkneys and Shetlands	As 15
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Light or moderate west to southwest winds; scattered showers at first; cloudy later, with local drizzle and hill fog; rather cool.

GENERAL INFERENCE

Pressure is low to the east of the British Isles and a ridge of high pressure followed by a trough is approaching from the West. There will be scattered showers at first in most districts, becoming fine tonight in the East and Southeast; weather will become cloudy in the West and Southwest with some drizzle and hill fog.

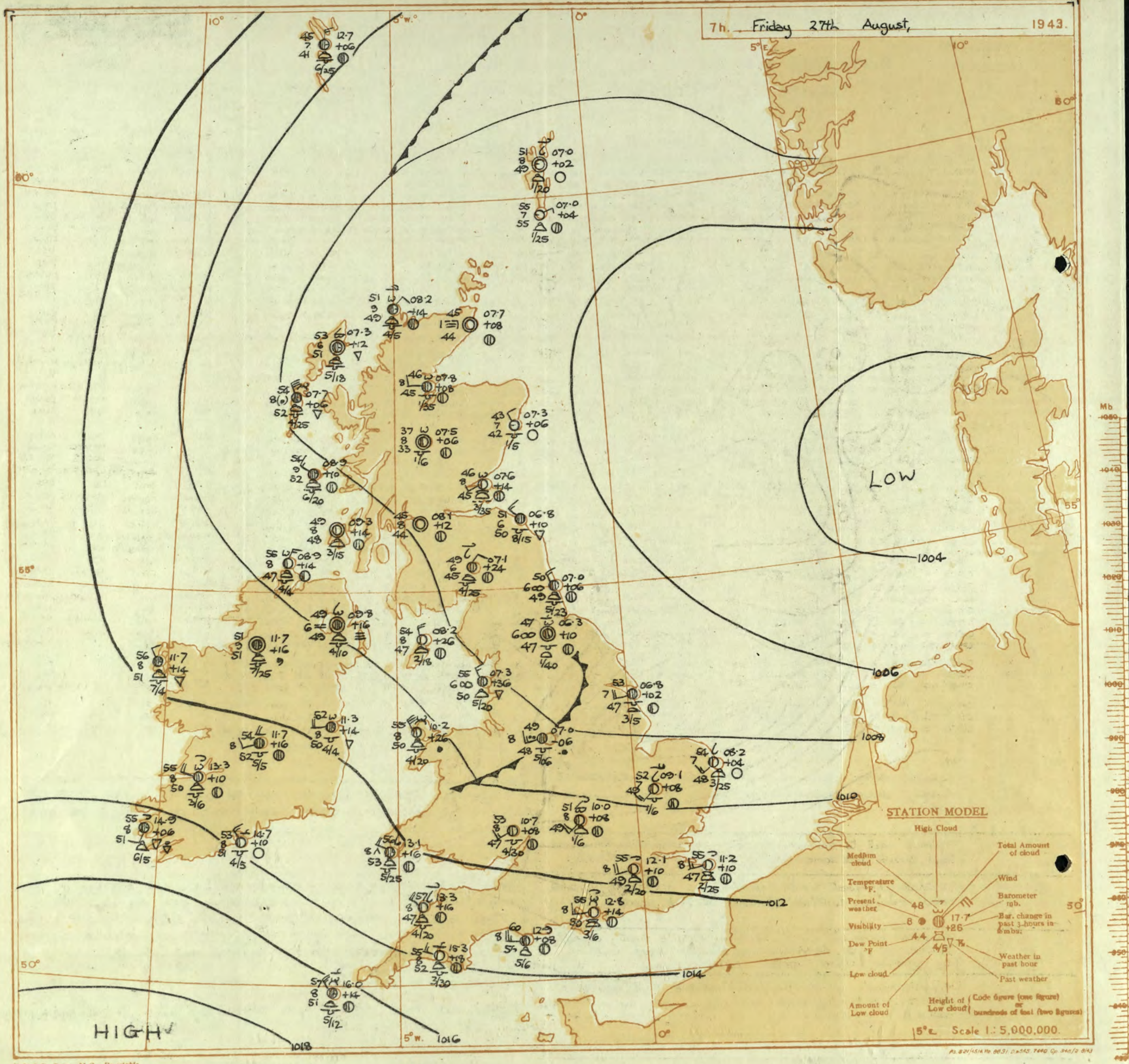
FURTHER OUTLOOK

Southwesterly type; cloudy with some rain and drizzle especially in the West and North; milder.

Forecasts issued at 10.30

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Friday 27th August, 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

BRITISH SECTION

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

Friday 27th August 1943

No 29863

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	56	*	*	*	*	*	*	*	*	*
	Croydon ...	290	10·7	0	SW	3	bc	54	75	48	8	-	7	-	0	4-6	-
	S. Farnborough	226	10·1	0	WSW	3	b	53	85	47	7	-	7	-	0	1	-
	Boscombe Down	417	10·7	0	WSW	2	b-bc	51	92	47	8	4	-	-	2-3	2-3	4000
	Thorney Island	10	11·1	+2	W'N	4	b-bc	57	75	48	9	5	-	-	1	2-3	4000
	Lympne ..	283	10·8	+8	W'S	4	c-bc	59	85	55	7	5	-	-	7-8	7-8	3000
	Manston ...	154	09·9	+8	WSW	3	bc	56	75	47	8	-	3	1	0	4-6	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	08·7	+4	WSW	4	bc	57	75	50	7	-	7	-	0	4-6	-
	Gorleston ...	5	07·5	+2	SW'N	2	l	54	85	49	7	5	-	-	4-6	4-6	1500
	Mildenhall ...	15	07·9	+4	SW	3	bc	53	85	48	7	5	7	-	2-3	4-6	5000
	Cranwell ...	203	07·1	-2	SW	4	b-bc	51	97	50	7	5	-	-	2-3	2-3	4000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	08·8	+4	WSW	4	b	50	92	48	8	5	-	-	1	1	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10·8	+10	WNW	5	l	57	75	49	8	3	6	-	4-6	4-6	1500
	Bristol ...	209	10·4	+2	SW	3	c-bc/tr	53	92	51	6	3	6	-	7-8	7-8	3000
	Portland Bill ...	32	11·0	+4	SW	5	c-bc	59	85	55	8	5	-	-	2-3	7-8	4000
	Plymouth ...	86	12·7	+2	W	4	bc	56	92	54	8	5	4	-	4-6	4-6	3000
	The Lizard ...	240	13·5	+4	WNW	5	bc	56	85	53	7	8	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	14·0	+4	WNW	5	c-bc	57	85	51	8	8	-	-	7-8	7-8	1200
	Guernsey ...	175															
6	Pembroke ...	142	10·7	+8	NW	4	bcq	56	92	54	8	2	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	06·3	+2	W	6	c	55	85	49	8	8	6	-	4-6	9+	2500
	Chester (Sealand)	16	06·3	+2	W'S	1	c/r	51	85	47	6	5	7	2	4-6	9	2500
8	Manchester ...	230	06·6	+2	SW	3	b-bc	49	92	47	7	2	-	-	2-3	2-3	3000
10	Spurn Head ...	29	06·6	-4	SWW	4	b-bc	54	75	48	7	1	-	-	2-3	2-3	2500
	Catterick (Sc) ...	192	05·2	-6	-	0	bs/r	58	97	58	6	5	-	-	4-6	4-6	5200
	Tynemouth ...	108	06·6	-2	NW	2	c	51	92	49	7	8	-	-	10	10	1500
11	St. Abbs Head	280	05·7	+2	-	0	bc	52	92	50	7	5	-	-	4-6	4-6	4000
	Leuchars ...	36	05·8	+2	-	0	b	44	97	43	6	-	-	-	0	0	-
12	Renfrew (Abbots L)	19	06·3	+10	-	0	b	46	92	45	7	5	-	-	1	1	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	03·2	0	ESE	1	b-bc/r	52	92	50	8	8	7	-	1	2-3	2000
13A	Tiree	44	07·3	+12	-	0	b	48	92	46	8	-	-	-	0	0	-
13B	Stornoway ...	12	06·2	-2	WSW	3	pr	52	92	50	7	8	2	-	7-8	10	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	06·3	-2	-	0	fs	40	97	40	7	-	-	-	0	0	-
	Wick ...	114	06·4	+4	-	0	fs	43	92	41	7	-	-	-	0	0	-
16	Sumburgh ..	19	06·6	-2	-	0	b	49	97	49	7	5	-	-	Tr	Tr	2500
17	Blacksod Point	18	09·6	+8	WNW	4	c-bc	55	85	51	8	8	-	-	7-8	7-8	2500
18	Malin Head ...	84	06·4	+16	NNW	2	bc	56	75	47	8	8	-	-	4-6	4-6	1500
	Aldergrove ...	268	06·0	+30	NW'N	2	c-b	52	97	51	7	-	2	-	10	10	800
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13·9	+10	WNW	4	b	55	75	47	8	1	-	-	1	1	2500
	Roches Point	22	12·6	+10	NW'N	4	b	53	92	51	8	5	-	-	·	1	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	11·4	+14	SW'N	3	b	55	85	49	8	2	-	3	Tr	1	2500	1	*
Croydon ...	12·1	+10	WSW	4	b-bc	55	75	49	8	2	-	3	1	2-3	2000	0	*
S. Farnborough	11·9	+16	W'S	4	b	53	85	49	8	8	-	-	Tr	Tr	2500	0	*
Boscombe Down	12·7	+14	W	3	b-bc	52	85	48	8	2	6	3	1	2-3	3000	1	*
Thorney Island	12·8	+14	W	3	b-bc	55	85	50	8	3	6	3	2-3	2-3	4000	0	*
Lympne ..	11·9	+8	W	3	b-bc	54	85	48	8	3	-	3	2-3	2-3	3000	0	4
Manston ...	11·2	+10	WSW	3	b-bc	55	75	47	8	3	-	3	1	2-3	2500	0	*
Shoeburyness ...	11·4	+14	SSW	4	b-bc	55	85	49	8	5	-	2	1	2-3	4000	0	*
Felixstowe ...	10·0	+10	W	4	b-bc	55	75	47	7	2	-	3	1	2-3	2500	0	3
Gorleston ...	08·2	+4	SW'S	3	bc	54	85	48	7	2	4	-	2-3	4-6	2500	1	2
Mildenhall ...	09·1	+8	SW	3	bc	52	85	49	7	5	4	2	Tr	4-6	4000	1	*
Cranwell ...	07·2	0	WSW	5	ic	52	92	49	5	5	7	-	7-8	9	2000	1	*
Birmingham ...	08·7	+4	WNW	4	pr	52	85	48	8	5	-	-	9+	9+	1500	1	*
Upper Heyford	10·0	+8	SW	4	bc	51	92	49	8	2	7	3	Tr	4-6	4000	0	*
Ross-on-Wye	10·7	+8	SW	3	bc	53	75	47	8	5	-	-	4-6	4-6	3000	1	*
Hartland Point	13·3	+16	WNW	4	bc	57	75	47	8	2	4	1	4-6	4-6	2000	1	1
Bristol ...	12·3	+10	W	4	b	54	85	50	7	2	4	-	Tr	Tr	2500	1	*
Portland Bill ...	12·9	+8	W	5	c-bc	60	85	56	8	2	-	-	7-8	7-8	4000	1	4
Plymouth ...	15·3	+18	WNW	3	b-bc	55	92	52	8	8	-	5	2-3	2-3	3000	0	2
The Lizard ...	15·7	+12	WNW	4	bc	57	85	51	8	8	3	2	4-6	4-6	2000	1	4
Scilly (St. Mary's)	16·0	+14	NW'N	5	c	57	85	51	8	8	6	5	7-8	9+	1200	1	5
Guernsey ...																	
Pembroke ...	13·1	+16	WNW	4	cq	56	92	53	8	8	4	-	7-8	9+	2500	1	3
Holyhead (Valley)	10·2	+26	NW	6	bc	55	85	50	8	8	6	-	4-6	4-6	2000	1	4
Chester (Sealand)	07·4	+14	N'W	4	c/pr	55	92	53	7	3	-	-	9+	9+	2000	1	*
Manchester ...	06·7	+8	WNW	4	2o	51	97	51	6	2	-	-	7-8	7-8	1500	1	*
Spurn Head ...	06·8	+2	WSW	4	c-bc	53	85	47	7	7	3	-	2-3	7-8	2500	0	3
Catterick (Sc) ...	06·3	+10	-	0	2o	47	97	47	6	7	3	5	Tr	4-6	4000	1	*
Tynemouth ...	07·0	+6	NW	3	2o	50	97	49	6	8	-	-	7-8	7-8	2300	1	2
St. Abbs Head	06·8	+10	WNW	3	c	51	97	50	6	5	-	-	10	10	1500	0	3
Leuchars ...	07·6	+14	SW	1	b-bc	46	92	45	8	9	3	-	2-3	2-3	3500	0	*
Renfrew (Abbots L)	08·1	+12	-	0	b	45	92	44	8	-	-	-	0	0	-	1	*
Eskdalemuir ...	07·1	+24	NNE	2	bc	49	85	45	6	8	4	1	4-6	4-6	2500	0	*
Point of Ayre ...	08·2	+26	N'W	4	b-bc	54	75	47	8	2	4	-	1	2-3	1800	0	3
Tiree	08·9	+10	WNW	3	c	54	92	52	9	8	-	-	9	9	2000	1	2
Stornoway ...	07·3	+12	-	0	c	53	92	51	6	8	7	-	7-8	9+	1800	1	0
Dalwhinnie ...	08·0	+6	-	0	bc	37	85	33	8	5	3	-	Tr	4-6	4000	1	*
Aberdeen † ...	07·3	+6	NW	2	b	43	97	42	7	5	-	-	Tr	Tr	2500	1	1
Wick ...	07·7	+8	-	0	bF+	45	97	44	1	-	-	-	0	0	-	1	2
Sumburgh ..	07·0	+4	E'N	1	b	55	97	55	7	2	-	-	Tr	Tr	2500	1	1
Blacksod Point	11·7	+14	NW	2	c	56	85	51	8	8	-	-	9+	9+	1500	1	2
Malin Head ...	08·9	+14	N'E	3	bc	55	75	47	8	8	3	-	4-6	4-6	1500	2	2
Aldergrove ...	09·8	+16	-	0	fg	49	97	49	6	8	5	-	4-6	7-8	1000	1	*
Birr Castle ...	11·7	+16	WSW	2	c	54	92	52	8	5	2	-	7-8	10	2500	1	*
Valentia Obsy.	14·9	+6	S'W	2	c/pr	55	85	51	8	2	-	3	9	9+	2500	1	3
Roches Point	14·7	+10	NW'N	3	bc	53	92	51	8	5	-	5	4-6	4-6	2500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 26th Hrs. (38)
London (Kew)	67	53	46	5	-	4·0
Croydon ...	67	51	48	5	-	13·7
S. Farnborough	69	50	46	1	-	6·4
Boscombe Down	66	48	41	1	1	6·9
Thorney Island	71	53	49	-	*	*
Lympne ..	67	48	42	0·3	-	4·6
Manston ...	69	49	47	Tr	-	2·8
Shoeburyness ...	72	52	46	3	-	3·4
Felixstowe ...	67	51	48	8	-	7
Gorleston ...	63	49	46	5	Tr	6·5
Mildenhall ...	65	49	44	7	Tr	2·9
Cranwell ...	62	47	43	15	0·1	3·5
Birmingham ...	65	48	44	1	Tr	4·7
Upper Heyford	66	48	45	13	Tr	*
Ross-on-Wye	66	50	46	Tr	0·4	5·4
Hartland Point	62	55	52	0·4	1	7·6
Bristol ...	65	50	44	0·2	7	8·6
Portland Bill ...	62	58	*	1	-	*
Plymouth ...	65	53	47	0·3	0·6	6·4
The Lizard ...	63	54	*	0·1	2	8·1
Scilly (St. Mary's)	64	55	*	2	2	8·4
Guernsey ...						
Pembroke ...	62	55	*	3	-	8·3
Holyhead (Valley)	64	53	51	2	1	*
Chester (Sealand)	67	51	45	1	5	9·6
Manchester ...	64	48	45	3	5	*
Spurn Head ...	58	50	*	1	-	2·4
Catterick (Sc) ...	64	43	41	-	5	8·4
Tynemouth ...	63	49	47	1	4	*
St. Abbs Head	59	51	*	0·2	Tr	*
Leuchars ...	62	42	36	1	-	4·2
Renfrew (Abbots L)	61	40	35	7	0·4	3·5
Eskdalemuir ...	59	45	35	11	1	5·7
Point of Ayre ...	65	51	*	-	Tr	0·9
Tiree	60	47	35	-	-	8·7
Stornoway ...	60	51	47	1	4	2·2
Dalwhinnie ...	58	31	24	0·5	-	5·7
Aberdeen † ...	59	39	33	-	-	8·2
Wick ...	60	41	37	Tr	-	*
Sumburgh ..	57	45	33	1	0·1	2·4
Blacksod Point	60	53	*	1	1	*
Malin Head ...	56	53		12	0·1	0·7
Aldergrove ...	59	45	41	2	2	1·6
Birr Castle ...	60	48	43	6	0·2	3·5
Valentia Obsy.	59	55	50	7	0·2	6·1
Roches Point	61	51	·	1	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 26th August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 27th August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	83	81764	16325	87	01863	00014	5-	01751	00011	20	01753	27213
115	82	02844	12327	87	02854	28226	54	01953	00123	83	02954	04226
203				76	01954	04315						
206	26	01963	16314	36	02964	10485	00	00890	28110	53	02861	24215
210	3-	25866	00286	36	25954	14385	00	05690	17100	50	10972	21302
219	31	25845	14186	20	02853	30215	00	01890	31314	86	10854	30685
230	8-	02955	10127	87	25968	02187	50	02961	00021	83	01952	09112
245	26	01852	14283	80	02743	15215	50	05651	24101	80	01952	23202
260	3-	02853	16325	8-	01843	14124	50	05663	20213	10	05643	00013
278	86	02846	15427	86	02845	14426	56	01843	31384	10	01751	27211
279	30	02865	20465	36	01964	18314	50	01853	04383	5-	02865	32315
285	27	25744	22485	27	02855	24316				53	01744	26315
288	36	02754	15415	28	02765	17315	04	05690	00003	--	44203	25243
576	91	82634	53587	8-	82847	53587	8-	81745	28385	8-	01957	00057
301	36	02853	20315	9-	01757	22397	20	01754	26484	2-	05655	28385
321				86	02756	12207	50	05664	20214	57	22654	18265
298	8-	61758	16418	87	01854	16414	54	01743	20213	53	05653	24213
282	3-	05656	16326	26	05653	00023	50	05654	00014	53	08463	00014
310	--	81625	24485							--	67103	20463
614	86	02755	17125	89	05655	20227	04	05690	24103	57	61554	16367

III	13h. G.M.T. 26th August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 27th August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
388	27	02864	18425	26	01964	19484	50	01753	58423	86	02745	30326
334	--	25646	26287									
340	84	02965	24316	94	81835	20387	5-	01853	26313	97	02857	22187
136	57	62834	14368	88	02862	24267	51	05663	20223	86	25765	20386
336	20	1754	24314	21	81615	24487				20	25755	28448
850	24	02834	26268	27	02854	22427	40	01762	20412	17	01761	55414
368	84	01964	22314	83	02855	24515				20	01853	28483
370	50	01844	22264	27	02863	24316	06	01890	24212	53	01763	20314
390	87	05658	18226	26	02752	20286	07	01790	22314	00	05690	18214
382	2-	02865	23265	47	02862	24426	07	01890	23383	04	01890	23412
438	87	02745	16217				8-	63647	23587	26	01743	24514
430	5-	22856	18467				50	01751	26311	24	01852	22203
409	26	02955	24516	85	81845	25485	20	01764	58484	20	02954	25415

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 27th August, 1943
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	cr mopl	bccy	cycbw	
Croydon ...	c	cpr bccy	bcbbcb	
Greenwich ...	rc	cpb cy	cbcb	Kew 24 hours ending 7h. Mid. Time
Camden Square	crc	b	*	
Kensington ...	orbc	bcpbc	*	10·0 whole of period
Hampstead ...	b cor	bc	bcm	Min. Time

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h %	Humidity 9h % To-day
Kew ...	67	53	46	5	-	4·0	*	*
Croydon ...	67	51	48	5	-	13·7	*	*
Greenwich ...	68	49	41	0·8	-	3·0	51	60
Westminster ...	67	52	47	5			72	73
Regents Park ...	68	51	47	2	-		53	61
Camden Square	68	51	47	3	-	*	*	*
Kensington ...	69	51	*	1	Tr		55	65
Hampstead ...	67	48	45	1	*		*	72

SECRET

CANCELLED

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BRITISH SECTION

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

Saturday 28th August, 1943

No. 29864

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	13·8	+10	W'N	4	c	65	55	47	8	8	3	–	7-8	9	4000
	Croydon	14·5	+14	WSW	5	c	64	55	46	8	8	6	–	7-8	9	3000
	S. Farnborough	14·4	+14	W'N	5	c	65	55	46	8	8	7	–	7-8	9+	2500
	Boscombe Down	14·9	+12	W'N	5	c-bc	63	55	48	8	2	–	–	7-8	7-8	2500
	Thorney Island	15·0	+12	W'S	4	c-bc	66	55	46	9	8	3	3	4-6	7-8	4000
	Lympne	13·5	+8	W	4	c-bc	63	75	56	8	2	–	–	7-8	7-8	2500
	Manston	13·0	+10	WSW	4	c	63	45	41	9	2	6	–	7-8	9+	2500
2	Shoeburyness	13·3	+6	W	3	c	66	55	49	7	5	6	–	4-6	9	2500
	Felixstowe	11·4	+2	WSW	5	c	62	55	45	8	5	–	–	9	9	1500
	Gorleston	09·5	+8	SW'W	3	o/r	56	92	51	7	5	–	–	10	10	1000
	Mildenhall	10·8	+14	W'N	5	c	60	65	50	8	8	–	–	4-6	9+	2000
	Cranwell	10·2	+22	WNW	4	z_0	62	65	48	6	3	6	–	7-8	9+	2000
3	Birmingham	12·3	+16	WNW	3	bc	65	45	44	8	8	–	–	4-6	4-6	2500
	Upper Heyford	12·4	+14	W'N	4	c-bc	63	55	48	9	5	7	–	4-6	7-8	2500
4	Ross-on-Wye	13·8	+14	W	4	c	63	65	51	9	8	–	–	9	9	3000
5	Hartland Point	16·4	+14	WNW	4	bc	60	65	48	8	1	–	1	4-6	4-6	2500
	Bristol	15·0	+14	W	5	c	61	75	53	8	8	–	–	4-6	9	2500
	Portland Bill	16·0	+12	W	4	c-bc	62	85	59	8	2	–	–	7-8	7-8	4000
	Plymouth	17·6	+12	WNW	4	c-bc	64	65	52	9	2	–	6	4-6	7-8	3000
	The Lizard	17·8	+10	W	3	c-bc/pr	60	85	56	8	2	3	2	4-6	7-8	2000
	Scilly (St. Mary's)	18·2	+8	W'N	3	c	62	75	53	8	8	7	7	4-6	9+	1500
	Guernsey															
6	Pembroke	15·8	+12	WNW	5	bcq	59	85	53	8	8	4	–	2-3	4-6	2500
7	Holyhead (Valley)	13·1	+10	W'N	3	c	62	65	51	8	8	6	–	7-8	9+	2500
	Chester (Sealand)	12·5	+22	NNE	5	bc	61	55	47	8	8	–	–	4-6	4-6	3000
8	Manchester	11·7	+22	NW'W	5	bc	61	65	50	8	2	–	–	4-6	4-6	2500
10	Spurn Head	09·9	+24	NW	3	c-bc	60	65	48	7	2	3	–	4-6	7-8	2500
	Catterick (Sc)	09·7	+12	NNW	2	c-bc	61	65	50	7	8	6	1	4-6	7-8	3500
	Tynemouth	00·9	+14	NNE	3	c-bc	57	85	53	7	2	–	–	7-8	7-8	2300
11	St. Abbs Head	08·6	+2	NW	2	b-bc	57	75	49	7	2	7	–	2-3	2-3	3500
	Leuchars	09·2	+10	W	1	b-bc	64	55	46	9	2	6	–	2-3	2-3	3000
12	Renfrew (Abbots I.)	09·9	+6	W	3	c-bc	63	55	49	9	2	6	–	4-6	7-8	2500
	Eskdalemuir	09·2	+12	W'N	3	bc	61	55	46	8	8	–	–	4-6	4-6	2800
	Point of Ayre	11·8	+6	NNW	4	b	63	65	52	8	2	–	–	1	1	2500
13A	Tiree	10·6	+6	WNW	5	bc	59	35	31	9	7	6	–	2-3	4-6	2000
13B	Stornoway	10·7	+14	NE	5	c-bc	56	75	49	8	8	6	–	4-6	7-8	2200
15	Dalwhinnie	09·5	+4	WNW	3	c	51	55	33	8	5	7	–	7-8	9+	2500
	Aberdeen	08·5	+6	NW	2	bc	62	55	46	9	1	–	–	4-6	4-6	2500
	Wick	08·5	+4	NW'W	4	c-bc	57	75	49	9	8	–	–	7-8	7-8	2500
16	Sumburgh	07·5	+4	SW	1	bc	55	85	51	8	9	6	–	4-6	4-6	2000
17	Blacksod Point	13·2	+4	W	2	c	60	75	52	8	8	–	–	9+	9+	1500
18	Malin Head	11·6	+14	NNW	3	c-bc	59	75	51	8	2	3	–	2-3	7-8	2500
	Aldergrove	11·7	+4	WSW	1	c-bc	63	65	50	9	8	7	–	4-6	7-8	3000
19	Birr Castle	13·3	+6	SW	2	c	60	75	52	8	8	2	–	7-8	10	1500
20	Valentia Obsy.	16·6	+2	SW'S	3	pr	59	85	54	8	2	7	–	7-8	10	1500
	Roches Point	15·9	+4	W'S	3	c-bc	60	85	55	9	5	–	5	4-6	7-8	2500

OBSERVATIONS at 18h. G.M.T. 27th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 27th (39)	Weather 13h.–18h. 27th (40)	Weather 18h. 27th to 1h. 28th (41)	Weather 1h.–7h. 28th (42)
London (Kew)	15·3	+12	W	2	c-bc	62	65	50	8	8	3	1	4-6	7-8	4000	1	*	bccy	bccirf	bccbc	bccir
Croydon	16·2	+14	W	3	c/pr	60	75	52	8	8	6	–	7-8	9+	2000	1	*	bccy	cjpycpryc	cbcbbm₀	bm₀, cm₀ci
S. Farnborough	16·0	+14	WNW	4	bc	63	55	47	8	2	6	–	Tr	4-6	3000	0	*	bccy	cybcy	bcycb	b, cr₀
Boscombe Down	16·5	+10	NW'W	3	c-bc	60	65	48	8	4	7	–	2-3	7-8	4000	0	*	bbccbcy	bcybc	bcc	ccd₀d₀cr₀
Thorney Island	16·3	+10	SW	3	bc	63	65	49	9	8	3	–	4-6	4-6	2500	0	*	cbcc	bcc	bcb	cid₀cpr₀
Lympne	15·4	+12	W	4	c-bc	62	65	51	8	2	–	–	7-8	7-8	2000	0	§	bcvybcy	cvy bcbbc	bcw	bcbwc
Manston	14·2	+8	WSW	3	c-bc	64	55	45	8	8	3	–	4-6	7-8	2800	0	*	bbcv	cbcz	bccpr₀b	pm₀bc
Shoeburyness	14·9	+4	W	3	bc	63	65	49	7	2	6	–	4-6	4-6	4000	0	*	bcbyprcy	cybc	bc	bcc
Felixstowe	13·6	+14	W'N	3	bc	65	55	45	8	8	–	–	4-6	4-6	2500	0	3	ccy	cycircbc	cir₀cbbc	bcm₀c
Gorleston	12·7	+22	NW'W	2	z_0	60	75	49	6	5	7	–	4-6	7-8	1200	1	2	corrc	cprcz₀	bbc	bcc
Mildenhall	13·1	+10	WNW	1	b-bc	64	65	52	8	5	–	–	2-3	2-3	5700	0	*	bccir₀c	bccyb	bccbbc	ccir₀
Cranwell	12·3	+10	WNW	3	b	63	55	47	7	2	6	–	Tr	Tr	4000	1	*	cir₀m₀cz₀	cpr₀by	bybccbcc	bcm₀ccm₀
Birmingham	14·5	+10	WSW	3	c-bc	59	65	47	8	8	7	–	4-6	7-8	2500	1	*	cir₀bc	bcrc	c	corr
Upper Heyford	14·3	+14	W'S	4	bc	62	65	50	8	4	6	–	2-3	4-6	3000	0	*	cjpbc	bcjpc	bc	bcm₀r₀r₀c
Ross-on-Wye	15·3	+4	WSW	3	fg	59	75	50	8	5	–	–	9+	9+	2000	0	*	c	cvc	cbbc	crr
Hartland Point	16·5	–2	W	3	bc	60	75	51	8	2	4	–	4-6	4-6	2500	0	4	bc	bc	cprir₀	cirr
Bristol	16·2	+6	W'S	4	bc	60	75	51	8	7	–	5	4-6	4-6	5800	1	*	bbcc	ccpr₀cbc	cbccpc	ccr₀r₀ir₀r₀r₀
Portland Bill	17·1	+6	SW	4	c	62	85	59	8	2	4	–	4-6	9	4000	1	5	c	c	c	orr
Plymouth	17·9	+2	W'N	4	c-bc	61	75	51	9	2	3	6	4-6	7-8	2500	0	3	cbc	bcvy bc	cr₀r₀	cr₀r₀dd
The Lizard	18·5	0	W	4	f	57	92	54	2	5	2	–	9	10	2000	0	4	bcprc	bcprc	cprc	cprir
Scilly (St. Mary's)	18·3	0	W'S	3	c	59	85	55	8	8	2	–	9	10	1500	1	3	cpc	cp₀c	cr₀r₀c	cr₀
Guernsey																					
Pembroke	16·3	+2	W'N	5	c-bc	59	92	56	8	8	7	1	4-6	7-8	2500	0	3	cbcq	bcc	cr₀r₀	crrq
Holyhead (Valley)	13·8	+2	SW'W	4	c	59	75	52	8	7	8	–	7-8	9	3500	1	2	bcc	c	cir₀	or₀r₀
Chester (Sealand)	13·2	+2	NNW	2	bc	60	75	51	8	2	4	–	4-6	4-6	2500	0	*	cbcy	bcy	cr₀r₀	cdor₀r₀
Manchester	12·8	+2	NW	3	bc	59	75	50	8	2	–	–	4-6	4-6	2500	0	*	bccm₀bc	bc	bcbcm₀	cr₀r₀m₀
Spurn Head	12·1	+8	SE	2	bc	59	75	51	7	7	3	–	2-3	4-6	4400	0	1	c	bc	bc	c
Catterick (Sc)	11·2	+8	WNW	2	b-bc	60	65	50	8	8	–	–	2-3	2-3	3000	0	*	bcc	bcbcy	bbc	bccm₀crrm
Tynemouth	11·7	+6	S	2	c	56	85	50	7	8	–	–	9	9	1600	1	2	cm₀c	cprc	cbcm₀	bccpcm
St. Abbs Head	09·2	+6	–	0	c-bc	60	75	50	7	5	6	–	4-6	7-8	2700	0	2	bcm₀	bcc	bcb	bcc
Leuchars	09·1	+6	N	1	pr	57	85	52	9	3	–	3	9	9	2500	1	*	bcbbcy	bcycyjpcpr	cpr₀c	cpr₀c
Renfrew (Abbots I.)	10·5	+2	WNW	4	c-bc	59	75	50	8	8	4	2	4-6	7-8	2000	1	*	bm₀bbc	bcepr₀cbc	bc	bcr₀m₀c
Eskdalemuir	10·5	+8	W'S	3	bc	57	75	49	8	7	3	–	2-3	4-6	2500	0	*	bc	bbc	bbccrr	orrm₀
Point of Ayre	12·5	+4	NW'W	3	c	59	75	51	8	5	3	–	4-6	9+	4500	0	2	b	bcc	c	crr
Tiree	11·6	+4	NW	3	bc	58	75	50	9	2	6	4	2-3	4-6	2000	0	2	ccjpcbc	cbc	bcb	bbcc
Stornoway	11·2	–2	NNE	4	b-bc	54	75	46	9	1	3	–	1	2-3	1800	0	2	cpr₀cbc	bc	bc	bc
Dalwhinnie	09·5	+6	NE	2	pr	51	92	49	8	5	–	–	10	10	1500	1	*	bcc	bcpr₀	*	oir
Aberdeen	09·5	+8	NE	1	c	57	75	49	8	8	–	–	9	9	2500	1	1	bbcy	bcycpr₀c	cbcw	bcwc
Wick	08·7	+2	NW	5	c/pr	52	92	49	8	8	–	–	7-8	9+	1000	0	*	bbc	cpr₀c	cprpr₀c	id₀cbcc
Sumburgh	07·7	+2	NE'N	4	c/pr	52	82	50	8	3	6	–	7-8	9	2000	1	1	bc	bc, pr	cbc	cid₀ir₀pr₀
Blacksod Point	11·9	–10	S	3	ir₀	58	85	53	8	6	–	–	10	10	1500	1	2	c	c	r	r
Malin Head	11·9	+2	NNW	2	b-bc	57	75	50	8	1	–	–	2-3	2-3	2500	2	2	bc	bc	c	r
Aldergrove	12·3	0	W'N	1	c/pr	60	65	50	8	8	–	–	9	9	2500	1	*	cm₀fgbcc	cpr₀c	cbccr₀r₀	cr₀r₀m₀
Birr Castle	13·0	–4	W	2	c	60	75	52	8	5	1	–	7-8	9+	2500	1	*	pr	c	*	r
Valentia Obsy.	12·8	–18	S'W	4	r₀r₀	57	97	56	6	6	–	–	10	10	800	1	3	pr	r	r	r
Roches Point	15·7	–2	SW	3	pr	58	92	56	8	8	–	–	9+	9+	1500	1	4	bc	pr	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 28th August 1943

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Moderate or fresh southwesterly winds, strong locally; general rain at first and occasional rain or drizzle later; much hill fog; cool.
5 S.W. England, 6 South Wales, 7 North Wales	Fresh westsouthwest winds, strong locally; occasional rain or drizzle; much hill fog; cool.
8 N.W. England, 9 N. Midlands, 10 N.E. England, 11 S.E. Scotland	Moderate southeast winds, veering west, backing and freshening later; general rain at first; occasional rain later; much hill fog; cool.
12 S.W. Scotland & Isle of Man, 13A W. Scotland	As 8–11, with variable cloud and showers late in period; rather cool.
13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Variable light winds becoming moderate or fresh easterly winds, veering southwest later; general rain and much hill fog spreading northeast across area followed by cloudy conditions and occasional rain; rather 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 or fresh west to southwest winds; cloudy with occasional rain and some hill fog; variable cloud and showers later; rather cool.

GENERAL INFERENCE

A deep depression in mid-Atlantic is moving eastnortheast and an associated trough is moving northeast across the British Isles; there will be appreciable rain in the North and East, and cloudy conditions with occasional rain or drizzle elsewhere.

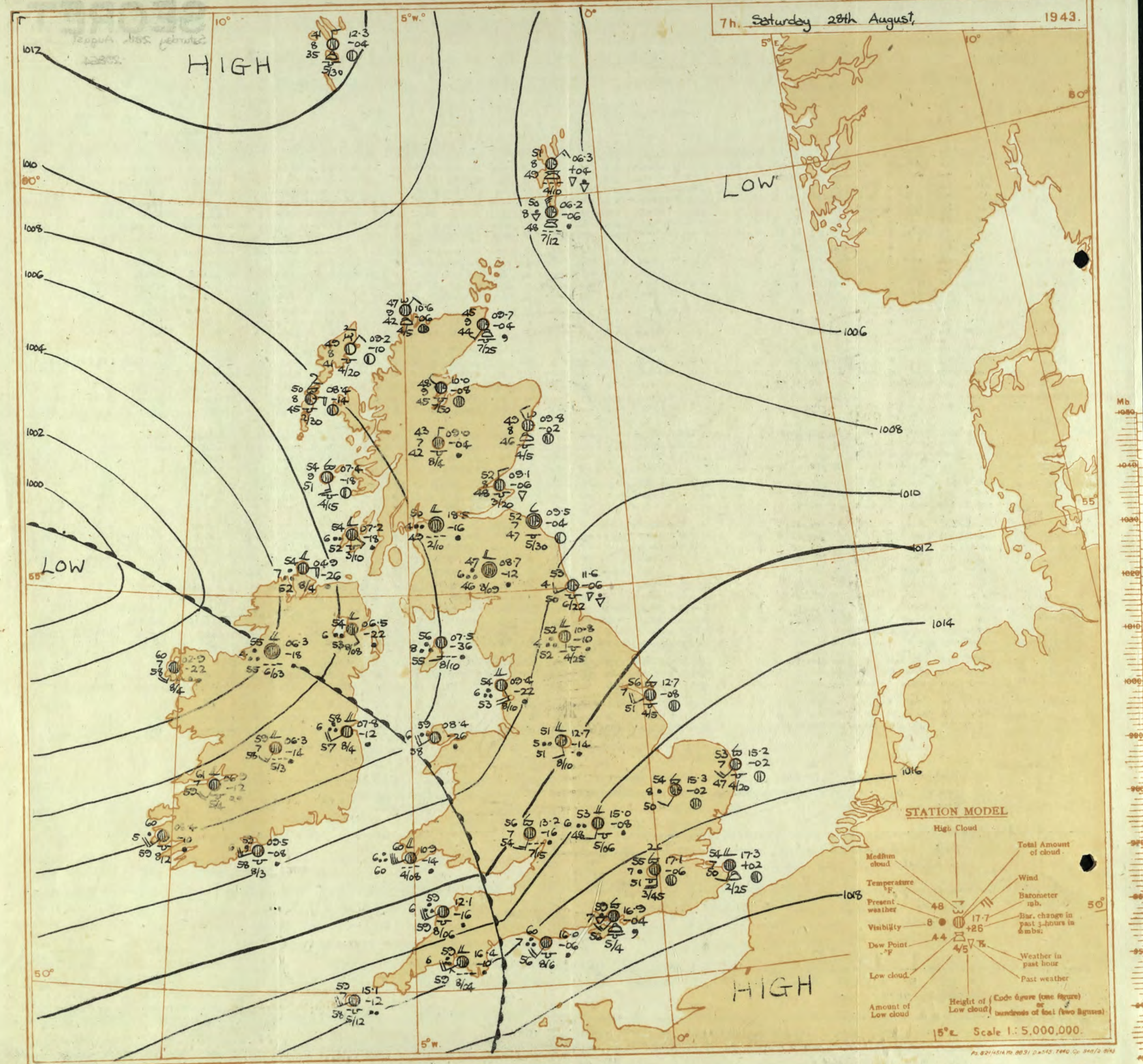
FURTHER OUTLOOK

Showery conditions spreading across northern and western districts; risk of more general rain in the South.

Forecasts issued at 10·30

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Saturday 28th August, 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

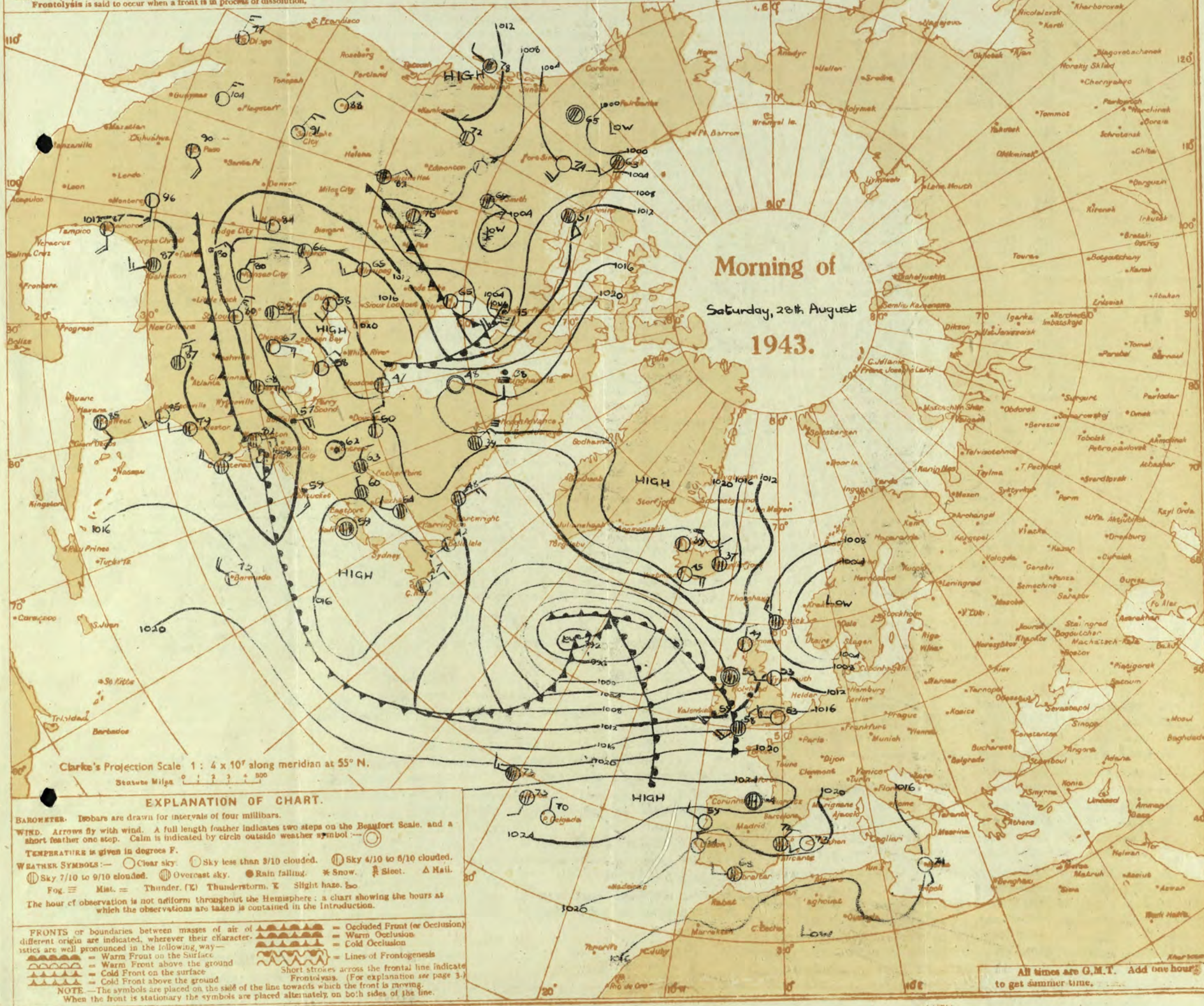
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

All times are G.M.T. Add one hour to get summer time.

Page 4.

BRITISH SECTION

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

Saturday 28th August 1943

No. 29864

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	55	*	*	*	*	*	*	*	*	*
	Croydon	290	18·1	+4	W	3	b	53	85	48	6	–	–	–	o	o	–
	S. Farnborough	226	17·7	+2	WSW	1	b-bc	49	85	47	8	–	–	5	o	2-3	–
	Boscombe Down	417	17·9	+2	–	o	c-bc	51	85	48	7	5	2	6	2-3	7-8	5000
	Thorney Island	10	17·9	o	W'S	1	b-bc	55	85	49	7	–	3	–	o	2-3	–
	Lympne	283	18·2	+10	WNW	2	b	52	85	49	8	5	–	–	1	1	3000
	Manston	154	17·3	+6	WSW	3	z	51	85	46	6	–	4	–	o	1	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	16·4	+6	W'S	8	b-bc	56	85	52	7	–	4	–	o	2-3	–
	Gorleston	5	15·4	+8	W'N	2	bc	55	85	50	7	–	7	–	o	4-6	–
	Mildenhall	15	15·7	+6	SW	2	c-bc	52	92	50	8	5	–	–	7·8	7-8	5000
	Cranwell	203	14·4	o	WSW	3	z	55	85	51	6	5	–	–	10	10	5000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·7	+6	SSW	2	b-bc	50	92	58	7	4	–	1	1	2-3	5700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·5	-8	W	4	iro	58	92	55	8	6	2	–	7-8	9+	1500
	Bristol	209	17·2	-2	–	o	c	56	92	52	7	5	1	–	4-6	10	2900
	Portland Bill	32	17·4	-2	SW	4	c	60	85	56	7	5	–	–	9	9	4000
	Plymouth	86	18·2	-4	WSW	3	roro	58	97	58	7	5	2	–	7-8	10	1000
	The Lizard	240	18·4	-2	WNW	4	c	57	92	55	7	5	–	–	10	10	1500
	Scilly (St. Mary's)	163	17·6	-10	WSW	4	c	58	92	55	7	5	–	–	10	10	1500
	Guernsey	175															
6	Pembroke	142	15·2	-8	WSW	5	roro	58	97	58	7	8	–	–	9	9	2500
7	Holyhead (Valley)	32	13·4	-6	SW'S	4	iro	58	92	55	7	5	–	–	10	10	1100
	Chester (Sealand)	16	13·8	-2	W'S	2	c	57	85	51	7	5	7	–	4-6	9+	3000
8	Manchester	230	14·2	o	S'W	3	z	53	85	50	6	5	1	–	7-8	10	3200
10	Spurn Head	29	14·1	+6	W	4	b-bc	55	85	49	7	5	–	–	2-3	2-3	2500
	Catterick (Sc)	192	13·0	+4	–	o	bc	51	92	50	7	5	3	–	4-6	4-6	4000
	Tynemouth	108	12·5	o	W	2	z	53	85	50	6	–	4	–	o	2-3	–
11	St. Abbs Head	280	10·1	+4	W	4	c-bc	52	85	47	7	5	–	–	7-8	7-8	4000
	Leuchars	36	10·4	o	–	o	bc/r	51	97	51	8	8	–	–	4-6	4-6	3000
12	Renfrew (Abbots I.)	19	10·9	-2	SW	1	c-bc	50	92	48	8	5	–	–	7-8	7-8	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	11·5	-8	W'N	3	c	55	92	52	8	5	–	–	9	9+	3500
13A	Tiree	44	10·8	-10	–	o	b	48	97	47	8	5	4	–	Tr	1	2000
13B	Stornoway	12	11·2	-6	NNE	2	b-bc	49	75	42	8	5	–	–	2-3	2-3	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	10·0	-6	NW	4	bc	50	92	47	8	5	7	–	4-6	4-6	3500
	Wick	114	10·2	+4	NW	2	ido	47	97	47	7	5	–	–	7-8	10	1800
16	Sumburgh	19	07·9	-6	NNW	3	bc	49	75	41	8	5	–	–	4-6	4-6	2500
17	Blacksod Point	18	07·1	-26	SE	1	roro	58	97	58	7	6	2	–	4-6	10	1500
18	Malin Head	84	10·0	-14	–	o	c	53	85	49	8	5	–	–	10	10	2500
	Aldergrove	268	11·2	-10	SSE	1	roro	53	92	50	8	–	2	–	10	10	5000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·9	-10	SW	4	ir	59	97	59	5	5	–	–	10	10	450
	Roches Point	22	11·9	-18	SW	4	dr	58	97	58	6	5	–	–	10	10	800

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 27th Hrs. (38)
1	London (Kew)	16·3	-4	SSW	2	roro	57	85	52	8	5	2	–	4-6	10	4000	1	*	67	51	44	Tr	Tr	7·5
	Croydon	17·1	-6	S	4	iro	55	85	51	7	5	7	7	2-3	10	4500	o	*	65	51	49	Tr	–	7·0
	S. Farnborough	16·3	+6	SW'S	2	roro	55	92	53	7	5	2	–	9+	10	2000	1	*	67	49	38	–	0·1	9·5
	Boscombe Down	16·7	-6	SSW	2	roro	53	97	53	7	6	2	–	2-3	10	3000	1	*	65	48	42	–	1	10·3
	Thorney Island	16·9	-4	SW'S	3	pr	59	92	56	7	8	7	–	7-8	10	1500	1	*	69	49	44	–	Tr	*
	Lympne	17·9	-2	SW'W	2	iro	56	85	50	8	5	7	–	4-6	10	1800	o	§	67	50	41	–	Tr	9·5
	Manston	17·3	+2	SSW	2	c	54	85	50	7	2	2	–	1	10	2500	o	*	67	49	46	–	Tr	7·9
2	Shoeburyness	17·0	o	SSW	3	c	56	85	52	8	–	1	–	o	10	–	o	*	70	53	45	Tr	–	8·5
	Felixstowe	16·4	+2	SW'S	3	c	55	85	50	7	5	7	–	1	10	5700	o	4	65	52	49	0·2	Tr	[illegible]
	Gorleston	15·2	-2	SW	3	c	53	85	47	7	5	7	–	4-6	9	2000	o	3	62	52	46	2	–	6·0
	Mildenhall	15·3	-2	SSW	2	iro	54	85	50	8	–	7	–	o	9+	–	o	*	65	50	45	Tr	–	6·7
	Cranwell	13·2	-8	SW	4	roro	54	92	51	6	5	2	–	4-6	10	5000	1	*	65	52	48	1	Tr	4·1
3	Birmingham	12·8	-16	SSW	3	roro	53	97	52	6	6	–	–	10	10	800	1	*	65	51	47	1	2	4·8
	Upper Heyford	15·0	-8	SSW	2	roro	53	85	49	6	5	2	–	7-8	10	600	1	*	66	50	42	–	0·2	*
4	Ross-on-Wye	13·2	-16	S'W	3	iro	56	97	54	7	6	2	–	9+	10	1500	1	*	65	52	45	–	4	2·2
5	Hartland Point	12·1	-16	WSW	5	rr	59	97	59	6	5	–	–	10	10	600	1	5	61	56	55	–	6	11·1
	Bristol	15·0	-6	SSW	3	roro	56	97	54	7	6	2	–	2-3	10	800	1	*	64	53	48	Tr	1	8·4
	Portland Bill	16·0	-6	SW	4	rr	60	85	56	7	5	–	–	10	10	4000	1	4	62	57	*	–	0·6	*
	Plymouth	16·4	-10	SW'W	4	rr	59	97	59	6	6	2	–	10	10	400	1	4	65	55	53	–	2	11·5
	The Lizard	16·4	-4	WSW	5	iro	59	97	58	7	5	–	–	10	10	1000	1	4	63	55	*	0·4	1	5·9
	Scilly (St. Mary's)	15·1	-12	WSW	5	c/r	59	97	58	7	5	–	–	7-8	10	1200	1	4	62	56	*	0·3	2	0·8
	Guernsey																							
6	Pembroke	10·9	-14	W'S	7	rr	60	97	60	6	6	2	–	4-6	10	800	*	4	61	57	*	–	7	6·3
7	Holyhead (Valley)	08·4	-26	SW'S	4	roro	59	97	58	6	5	–	–	10	10	300	1	3	63	57	55	–	9	*
	Chester (Sealand)	10·3	-20	S	3	rr	54	97	53	6	5	2	–	4-6	10	1600	1	*	63	54	48	–	2	10·5
8	Manchester	11·3	-16	S	4	roro	53	92	51	5	6	2	–	4-6	10	1000	1	*	63	50	43	–	2	*
10	Spurn Head	12·7	-8	SW'S	4	c	56	85	51	7	5	7	–	4-6	10	2500	o	3	63	48	*	–	–	6·8
	Catterick (Sc)	10·8	-10	S	1	rr	52	97	52	4	5	2	–	4-6	10	2500	1	*	66	50	46	–	2	9·9
	Tynemouth	11·6	-6	SW	3	m/pr	53	92	50	4	5	–	–	9	9	2200	1	2	59	51	49	0·6	Tr	*
11	St. Abbs Head	09·5	-4	–	o	c	52	85	47	7	5	4	–	7-8	9+	3000	o	3	62	50	*	–	–	*
	Leuchars	09·1	-6	N	2	c	52	85	48	8	5	–	–	2-3	10	2000	1	*	67	49	45	0·4	1	10·2
12	Renfrew (Abbots I.)	08·5	-16	–	o	roro	50	92	49	4	6	2	–	1	10	1000	1	*	64	47	41	0·2	0·6	8·5
	Eskdalemuir	08·7	-12	–	o	rr	47	97	46	6	–	2	–	10	10	900	1	*	64	42	32	–	Tr	1·4
	Point of Ayre	07·5	-36	S'W	3	rr	56	97	55	8	6	–	–	10	10	1000	1	2	64	54	*	–	4	9·1
13A	Tiree	07·4	-18	SE'E	3	c	54	92	51	9	5	7	–	4-6	10	1500	1	2	60	46	35	–	Tr	8·3
13B	Stornoway	09·2	-10	NE	2	bc	49	75	41	8	5	6	5	4-6	4-6	2000	o	1	57	44	41	Tr	0·1	6·6
15	Dalwhinnie	09·0	-4	N	1	o	43	97	42	7	5	–	–	10	10	1500	1	*	57	38	31	1	1	6·0
	Aberdeen †	09·8	-2	NW	2	c	49	85	46	8	8	3	–	4-6	9	2500	1	1	63	47	44	0·1	–	8·1
	Wick	09·7	-4	SSW	1	c	45	92	44	9	8	–	–	9+	9+	2500	1	*	59	40	35	Tr	3	*
16	Sumburgh	06·2	-6	NW	5	pr	50	92	48	8	9	–	–	9+	9+	1200	1	1	59	48	44	3	1	6·6
17	Blacksod Point	02·9	-22	SSW	4	c/r	60	92	58	7	6	–	–	10	10	1500	2	3	61	55	*	Tr	7	*
18	Malin Head	04·9	-26	E	4	rr	54	92	52	7	–	2	–	10	10	1500	2	3	60	51		–	4	12·3
	Aldergrove	06·5	-22	SE	1	roro	54	92	53	6	–	2	–	10	10	800	1	*	64	51	48	0·1	8	5·3
19	Birr Castle	06·3	-14	SSW	3	c	59	97	58	7	6	2	–	7-8	10	800	1	*	63	55	53	Tr	4	1·3
20	Valentia Obsy.	08·4	-10	SW'S	5	iro	60	97	59	5	5	–	–	10	10	450	1	5	60	57	56	2	8	0·8
	Roches Point	09·5	-8	WSW	5	ido	59	97	58	6	5	–	–	10	10	800	1	4	61	57	*	0·1	8	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III $C_L C_M$ (13h. G.M.T. 27th August)	wwVhN_h	DDFWN	$C_L C_M$ (18h. G.M.T.)	wwVhN_h	DDFWN	$C_L C_M$ (01h. G.M.T. 28th August)	wwVhN_h	DDFWN	$C_L C_M$ (07h. G.M.T.)	wwVhN_h	DDFWN
109 86	02855	27416	87	02855	01425	8-	02448	28568	83	02954	30225
115 23	02944	32426	87	02944	32426	87	02844	32326	23	02954	04225
203 8-	02846	04486							70	02954	08314
206 8-	02967	18127	5-	02966	32166	53	02863	04215	5-	02967	26127
210 23	01964	28314	86	02874	28385	5-	01856	32327	88	02945	26127
219 86	02845	05417	86	81845	06386	50	01852	08282	57	02862	08416
230 86	02956	00086	8-	02955	22185	40	01962	14122	53	17853	00026
245 26	02954	14315	86	02954	00087	5-	02865	00085	77	22856	04167
260 20	01754	22314	14	02764	20415	50	05653	20113	57	02748	20118
278 26	01854	16314	8-	02856	26326	52	02747	15118	52	02837	10258
279 26	02864	22315	84	01864	22314	57	02864	00025	62	62654	14168.
285 23	01854	28514	23	01854	28514				62	64624	14268
288 3-	05655	22285	20	05663	24213	5-	01774	17214	52	62674	16368
575 20	01964	25214	86	01964	28217	62	64725	00068	62	64426	00068
301 2-	25856	26486	26	01852	25413	5-	02865	22425	02	64638	12468
321 86	05664	26387	00	00790	25420	50	05664	18214	52	61654	18368
296 80	01753	32313	8-	61746	32166	40	01751	24101	57	05655	22327
292 26	01964	28314	26	01961	24412	54	02764	16215	52	64464	00068
310 --	01634	24414	--	01634	24514				--	67109	20467
614 57	05654	24327	86	02755	26315	57	05655	26128	52	62648	22268

III $C_L C_M$ (13h. G.M.T. 27th August)	wwVhN_h	DDFWN	$C_L C_M$ (18h. G.M.T.)	wwVhN_h	DDFWN	$C_L C_M$ (01h. G.M.T. 28th August)	wwVhN_h	DDFWN	$C_L C_M$ (07h. G.M.T.)	wwVhN_h	DDFWN
338 8-	81847	25387	43	02854	10387	52	58644	22368	02	62528	52468
334 --	02744	26315				--	63647	22288			
340 8-	02955	28225	8-	02864	23315	5-	02878	20128	52	64546	16268
136 86	25755	26486	03	05690	24213	50	05663	23313	57	02751	20318
336 13	25753	24485	50	01753	24416				62	64626	20368
350 27	02855	59465	26	02854	22485	07	01790	20113	57	62753	18368
368 83	02854	25515	84	01854	22415	5-	62648	22388	52	22744	20468
379 5-	02844	44415				03	01790	22313	62	64518	20468
390 87	05654	57486	86	81754	22585	04	02790	20311	57	21561	14128
382 86	02855	58526	83	01884	58384	5-	02875	00015	52	64743	19268
438 84	01753	24614				40	01753	28213	85	25746	20386
430 8-	01955	56515	86	01864	21414	50	01763	00013	57	21745	19358
409 26	01954	25415	86	02955	23427	5-	62638	18268	5-	62618	13558

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 28th August 1943

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

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	bccy	bcciroc	bccigr
Croydon	bccy	cpcycpcycbmo,cmocirо	
Greenwich	bccy	cbccpy	cbcroro
Camden Square	b	b	*
Kensington	bc	bcc pbc	*
Hampstead	bcp	bc	or

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours [illegible] Max [illegible] <0·1 last of period Min. Time

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 13h % Yesterday	Humidity 9h % To-day
Kew	67	51	44	Tr	Tr	7·5	*	*
Croydon	65	51	49	Tr	-	7·0	*	*
Greenwich	69	51	41	0·3	Tr	9·1	43	85
Westminster	69	53	47	0·3			63	91
Regents Park	67	52	48	-	0·1		49	88
Camden Square	69	52	49	-	0·5	*	*	87
Kensington	68	52	*	0·1	0·4		68	89
Hampstead	67	50	45	Tr	0·2		*	93

SECRET

Page 1 BRITISH SECTION

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

Sunday 29th August 1943

No. 29864.

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

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)	13·6	-14	SW	4	ir	60	92	58	8	5	2	–	7-8	10	1500
	Croydon ...	15·6	-12	S	4	r r	61	92	59	7	5	2	–	7-8	10	1500
	S. Farnborough	14·2	-14	WSW	5	c/r	62	92	59	7	5	7	–	9+	10	600
	Boscombe Down	14·6	-6	SW	4	ir	61	85	58	7	5	2	–	7-8	10	600
	Thorney Island	16·0	-6	SW	5	r r	52	92	49	7	5	7	–	9	10	800
	Lympne ...	16·1	-2	WSW	5	id	61	92	58	7	5	–	–	10	10	600
	Manston ...	15·5	-14	SW	5	r r	61	89	57	6	5	2	–	9	10	800
2	Shoeburyness ...	15·6	-4	SW	3	r r	61	92	59	6	5	2	–	7-8	10	1500
	Felixstowe ...	13·9	-10	SSW	4	ir	61	85	58	6	5	2	–	2-3	10	2500
	Gorleston ...	11·5	-22	SW	5	pr	60	86	55	6	6	–	–	10	10	1000
	Mildenhall ...	11·5	-26	SSW	4	rr	59	97	58	6	5	2	–	7-8	10	800
	Cranwell ...	08·5	-26	SW	4	ir	61	92	58	6	5	2	–	7-8	10	500
3	Birmingham ...	09·7	-10	SW	3	c	62	85	57	8	5	–	–	10	10	1500
	Upper Heyford	11·8	-18	SW'W	4	c/r	61	92	59	8	5	7	–	9	9+	800
4	Ross-on-Wye	11·2	-6	SW'W	4	c	62	85	57	7	5	–	–	10	10	1500
5	Hartland Point	11·2	-8	WSW	6	c	61	92	59	6	5	–	–	9+	9+	800
	Bristol ...	13·3	-2	WSW	4	c	62	85	58	8	5	7	–	4-6	9+	2500
	Portland Bill ...	16·6	+6	SW	5	o/r	61	92	59	7	5	–	–	10	10	2500
	Plymouth ...	15·6	-8	WSW	5	c/d	62	92	60	6	5	2	–	9	10	900
	The Lizard ...	15·7	-6	WSW	6	c	61	92	59	7	5	–	–	10	10	1500
	Scilly (St. Mary's)	14·4	-8	SW'W	6	id	62	97	61	6	5	–	–	10	10	800
	Guernsey ...															
6	Pembroke ...	10·2	-6	W'S	7	d d	61	97	61	5	5	–	–	10	10	2000
7	Holyhead (Valley)	06·8	-8	SW	6	z	61	92	59	6	5	2	–	9+	10	600
	Chester (Sealand)	06·9	-8	W	3	c	67	75	57	8	5	7	1	7-8	9+	3000
8	Manchester ...	08·2	-6	WSW	4	c/r	64	85	59	8	5	1	–	7-8	9+	800
10	Spurn Head ...	08·2	-30	SW'S	5	rr	58	97	57	6	5	–	–	10	10	1500
	Catterick (Sc) ...	07·8	-14	SSE	1	rf	56	97	56	3	–	2	–	10	10	600
	Tynemouth ...	08·6	-14	SE	3	r r	54	92	52	4	–	2	–	10	10	2200
11	St. Abbs Head	07·4	-10	ESE	3	r r	53	85	49	7	5	2	–	7-8	10	2000
	Leuchars ...	07·5	-12	ESE	3	ir	54	85	50	7	5	2	–	9+	10	1000
12	Renfrew (Abbots I.)	06·1	-12	NE'E	3	r r	55	92	52	5	6	2	–	4-6	10	600
	Eskdalemuir ...	05·9	-12	NE	2	rr	52	92	50	6	6	2	–	7-8	10	700
	Point of Ayre ...	04·4	-14	W'N	4	rr	61	97	60	6	6	–	–	10	10	1000
13A	Tiree	05·2	-10	ESE	3	rr	55	92	53	6	6	2	–	2-3	10	400
13B	Stornoway ...	07·1	-10	ENE	4	bc	54	75	46	9	1	–	5	2-3	4-6	2500
15	Dalwhinnie ...	07·0	-12	SE	4	o	51	75	45	7	5	–	–	10	10	1500
	Aberdeen ...	09·1	-10	ESE	2	c	54	65	43	8	5	4	–	9	9+	4000
	Wick ...	08·9	-6	NNE	2	c-bc	52	75	43	9	8	6	–	4-6	7-8	3000
16	Sumburgh ...	07·0	+6	NE'N	4	c/p	55	85	49	8	8	–	–	4-6	9	1500
17	Blacksod Point	03·9	+10	SW'W	5	c	60	92	58	7	6	–	–	10	10	1500
18	Malin Head ...	02·6	-6	E	4	rr	55	97	54	7	–	2	–	10	10	1500
	Aldergrove ...	02·7	-18	S	1	d d	61	97	59	5	5	–	–	10	10	500
19	Birr Castle ...	05·5	-2	W	4	c	63	85	58	8	8	7	–	7-8	9	1500
20	Valentia Obsy.	10·2	+16	W'S	6	c/r	60	85	55	7	5	–	–	7-8	9+	2500
	Roches Point	09·2	+6	W	5	c	63	85	58	8	5	–	–	9	9	1500

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

District	Stations.	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	°F. Temp. (21)	% Humid. (22)	°F. Dew Point. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	11·0	-18	SW	5	ir	62	92	59	7	5	2	–	7-8	10	1500	1	*
	Croydon ...	13·3	-12	SSW	5	id	61	92	59	7	5	–	–	10	10	1000	1	*
	S. Farnborough	12·1	-14	SW'W	5	d d	61	92	59	6	5	7	–	9	9	900	1	*
	Boscombe Down	12·7	-14	SW'W	4	c	62	85	59	8	5	2	–	7-8	9+	1000	1	*
	Thorney Island	13·9	-14	SW	5	id	62	92	60	6	5	–	–	10	10	700	1	*
	Lympne ...	13·7	-14	WSW	5	c	61	85	57	7	5	1	–	9+	10	800	1	5
	Manston ...	12·7	-22	SW'S	6	c	63	75	56	7	5	–	–	9+	9+	1500	1	*
2	Shoeburyness ...	12·9	-6	SW	5	c	64	75	57	6	5	2	–	9+	10	1500	1	*
	Felixstowe ...	10·9	-18	SSW	5	c	64	75	57	7	5	2	–	7-8	10	1500	1	5
	Gorleston ...	09·3	-12	SW'W	4	o/pr	64	75	57	7	5	–	–	10	10	1500	1	3
	Mildenhall ...	08·9	-16	SW'S	4	c	64	85	58	8	5	7	–	7-8	10	2100	1	*
	Cranwell ...	06·5	-10	SW	5	c	64	75	57	8	5	7	1	4-6	9+	600	1	*
3	Birmingham ...	09·3	-8	WSW	4	c/pr	64	92	62	6	8	–	–	9+	9+	1500	1	*
	Upper Heyford	09·0	-20	SW	5	d d	61	97	60	6	5	7	–	9	9+	500	1	*
4	Ross-on-Wye	09·4	-8	WSW	5	c	63	75	54	8	5	–	–	10	10	2000	1	*
5	Hartland Point	13·2	+16	W'N	4	c	61	92	59	7	5	–	–	9+	9+	800	1	4
	Bristol ...	12·0	-4	WSW	5	ir	61	92	59	6	5	7	–	7-8	9+	800	1	*
	Portland Bill ...	13·7	-4	SW	6	o	60	92	58	7	5	–	–	10	10	2500	1	5
	Plymouth ...	14·7	-2	W	4	c/d	61	97	61	7	6	2	–	7-8	10	1200	1	3
	The Lizard ...	15·6	+2	NW'W	6	pr	61	97	61	7	5	–	–	9+	9+	1000	1	5
	Scilly (St. Mary's)	15·4	+10	W	5	o/d	61	92	59	7	5	–	–	10	10	1000	1	5
	Guernsey ...																	
6	Pembroke ...	10·7	+6	W'S	7	bcq	61	97	60	7	2	4	1	4-6	4-6	2000	1	5
7	Holyhead (Valley)	07·7	+18	SW	4	c	61	85	57	8	5	–	–	9	9	4000	1	4
	Chester (Sealand)	06·7	+6	W	2	c/r	63	85	59	8	5	7	–	7-8	9+	1200	1	*
8	Manchester ...	06·7	+2	WSW	4	c/r	61	92	59	6	5	7	–	9	9+	1200	1	*
10	Spurn Head ...	06·1	0	SSW	4	rr	63	85	58	6	5	2	–	4-6	9+	1500	1	3
	Catterick (Sc) ...	05·1	-12	WNW	1	c/r	64	85	59	6	5	7	–	4-6	9	1500	1	*
	Tynemouth ...	06·0	-4	NE	2	o/r	55	97	55	6	–	2	–	10	10	1200	1	2
11	St. Abbs Head	06·3	-4	NNE	1	r r	53	92	51	7	5	2	–	7-8	10	1100	1	2
	Leuchars ...	06·5	-4	NE	3	c/r	53	92	51	7	5	2	–	4-6	10	900	1	*
12	Renfrew (Abbots I.)	06·2	+2	ENE	2	ir	55	92	52	6	5	2	–	4-6	10	800	1	*
	Eskdalemuir ...	05·1	+6	NE'N	3	r r	53	92	51	6	6	2	–	7-8	10	900	1	*
	Point of Ayre ...	04·7	+18	WNW	4	id	61	92	59	8	5	–	–	10	10	1000	1	3
13A	Tiree	05·1	+6	ESE	3	ir	55	85	51	8	5	2	–	7-8	10	5500	1	2
13B	Stornoway ...	06·3	-6	ENE	8	bc	53	75	46	9	1	7	5	Tr	4-6	2500	0	4
15	Dalwhinnie ...	07·0	-2	S	2	c	50	85	44	7	5	–	–	9+	9+	1500	0	*
	Aberdeen ...	07·6	-8	NE'E	2	b-bc	53	65	42	9	–	3	–	0	2-3	–	1	1
	Wick ...	08·5	-2	SE	1	b-bc	52	75	44	9	8	7	5	2-3	2-3	2500	1	*
16	Sumburgh ...	07·4	+2	NE	5	c-bc	52	85	47	9	8	6	–	4-6	7-8	3500	1	3
17	Blacksod Point	07·4	+24	WSW	5	dd	58	92	56	6	–	2	–	10	10	1500	1	4
18	Malin Head ...	03·7	+10	W'N	4	dd	58	97	57	6	–	2	–	10	10	800	2	3
	Aldergrove ...	05·5	+24	WSW	4	c	60	85	56	9	4	–	–	7-8	9+	1500	1	*
19	Birr Castle ...	08·6	+22	W'N	3	ir	60	85	55	7	6	2	–	7-8	10	800	1	*
20	Valentia Obsy.	13·1	+20	W'S	4	ir	59	92	57	6	5	–	–	10	10	2500	1	5
	Roches Point	11·8	+22	W	4	c-bc	63	85	58	8	5	–	–	7-8	7-8	1500	1	4

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 28th (39)	Weather. 13h.—18h. 28th (40)	Weather. 18h. 28th to 1h. 29th (41)	Weather. 1h.—7h. 29th (42)
1	London (Kew)	r d o i r o	ir o	c i r o r o c	c
	Croydon ...	c r o r o	c r o r o c i d o	c d o c b c	c
	S. Farnborough	c r o m o r o m o	c i r o d o m o	c i d o m o d o c	c
	Boscombe Down	c r o r o c d o d o	c i r o c c i r o c	c i d o d o d o	c d o d o c
	Thorney Island	c d o d o r o r o	c r o r o c i d o c	c i d o i r o c	c
	Lympne ...	c d d i d o	c i d o c	c m o w b m o b c m o b c m o c m o c	
	Manston ...	c i d o r o r o m o	c r o r o m o c	c d o d o b c m o	c m o
2	Shoeburyness ...	c r o r o m o c	c r o r o c m o c	c r r c	c
	Felixstowe ...	c c i r o r o	c i r o c	c i r o b c b	b c m o c m o c
	Gorleston ...	c p r o	c p r o c	c l	c
	Mildenhall ...	c r r m o	c r r m o c	c c i r o c b c c	c
	Cranwell ...	c r o r o m o i r o m o	c r o r o m o c	c m o b o c m o	c m o c
3	Birmingham ...	c i r o c	c p r	c r o p r	c
	Upper Heyford	c r o r o c m o c	c c i d o m o	c d o d o m o c	c
4	Ross-on-Wye	r o d o r o	i d o c c	c	c b c
5	Hartland Point	o m p r o	c o i r o	c i r o b c	c o i d o c
	Bristol ...	c r o r o d d m o d r c	i d o m o d d o m o	c m o i r o i d o m o	c m o ; i d o m o
	Portland Bill ...	o r r	o	o	o
	Plymouth ...	c m o c	c m o d d	c i d o m o c	c i d o m o
	The Lizard ...	c i r c	c m d p r	c p r c	c
	Scilly (St. Mary's)	c i d o	c i d o	c	c b c c
	Guernsey ...				
6	Pembroke ...	o r o r o m o d o d o	b c q	b c q	c i d o q
7	Holyhead (Valley)	o r o r o m o c	c m o c	c	c
	Chester (Sealand)	c r o r o m o	c r o r o	d b c i r o	c z o
8	Manchester ...	c r o r o c m o	c i r o i r	c c m o	c m o i r o c
10	Spurn Head ...	r o r o p r r	o	o	c i r o
	Catterick (Sc) ...	c r o r o f	c r o r o m o	c r o r o m	c r o r o m c i r o m
	Tynemouth ...	o r o r o m	o r o r o m	o i r o	o i r o m o
11	St. Abbs Head	c c r r c m o r r	c r r	c r r	c r r c
	Leuchars ...	c c i r o	c r o r o m c r o r o	c m o r o r o c	c d o d o c
12	Renfrew (Abbots I.)	c r o r o f p r o	c r o r o i r o m o	c d o d o m o	c i d o m o c m o
	Eskdalemuir ...	o r r m o r r	r r r o r o	c r o	r o c r r
	Point of Ayre ...	r r	i d o	c	i r o c
13A	Tiree	c c r o r o c r r m o	c r r o m o c	c d o d o m o	c d o d o m o c m o j p
13B	Stornoway ...	b c	b c	b c c i r o	c r o r o m o c o d o d o m o
15	Dalwhinnie ...	o	o c	c i r o	c i d o
	Aberdeen ...	c	c b c	c r c c*	c i d o
	Wick ...	b c	b c b	b	b c c
16	Sumburgh ...	c p r o j p c	b c v	b c c b	b b c c W V
17	Blacksod Point	o	d	d	r
18	Malin Head ...	r	d	d	r
	Aldergrove ...	c r o r o d d o m o	d o d o c p r o	c i d o c	r o m o c c d d o m
19	Birr Castle ...	r	r	r	r
20	Valentia Obsy.	r	r	r	r
	Roches Point	d	d	d	d

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

Districts.	Forecast
1 S.E. England 2 E. England .. 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales	Moderate or fresh southwest to west winds; cloudy, with occasional drizzle; some bright intervals later; much hill fog, especially in West and South; some coastal fog around southwest and south coasts; 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 ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light or moderate southerly winds, veering southwest, moderate or fresh; general rain and much hill fog at first; cloudy with local hill fog and occasional rain or drizzle later with some bright intervals; rather cool
16 Orkneys and Shetlands	Moderate to fresh southeast winds; occasional drizzle at first, and more general rain later; rather cool.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate or fresh southwest winds; cloudy at first, with occasional rain or drizzle, much hill fog, and local coast fog; some bright intervals later; rather warm.

GENERAL INFERENCE

A depression off Northwest Ireland will move northnortheast and associated troughs are crossing the British Isles; there will be rather general rain at first in Scotland and North England with local rain or drizzle elsewhere; there will be some bright intervals in most districts later; hill fog will occur rather generally and there will be some coast fog in West and South.

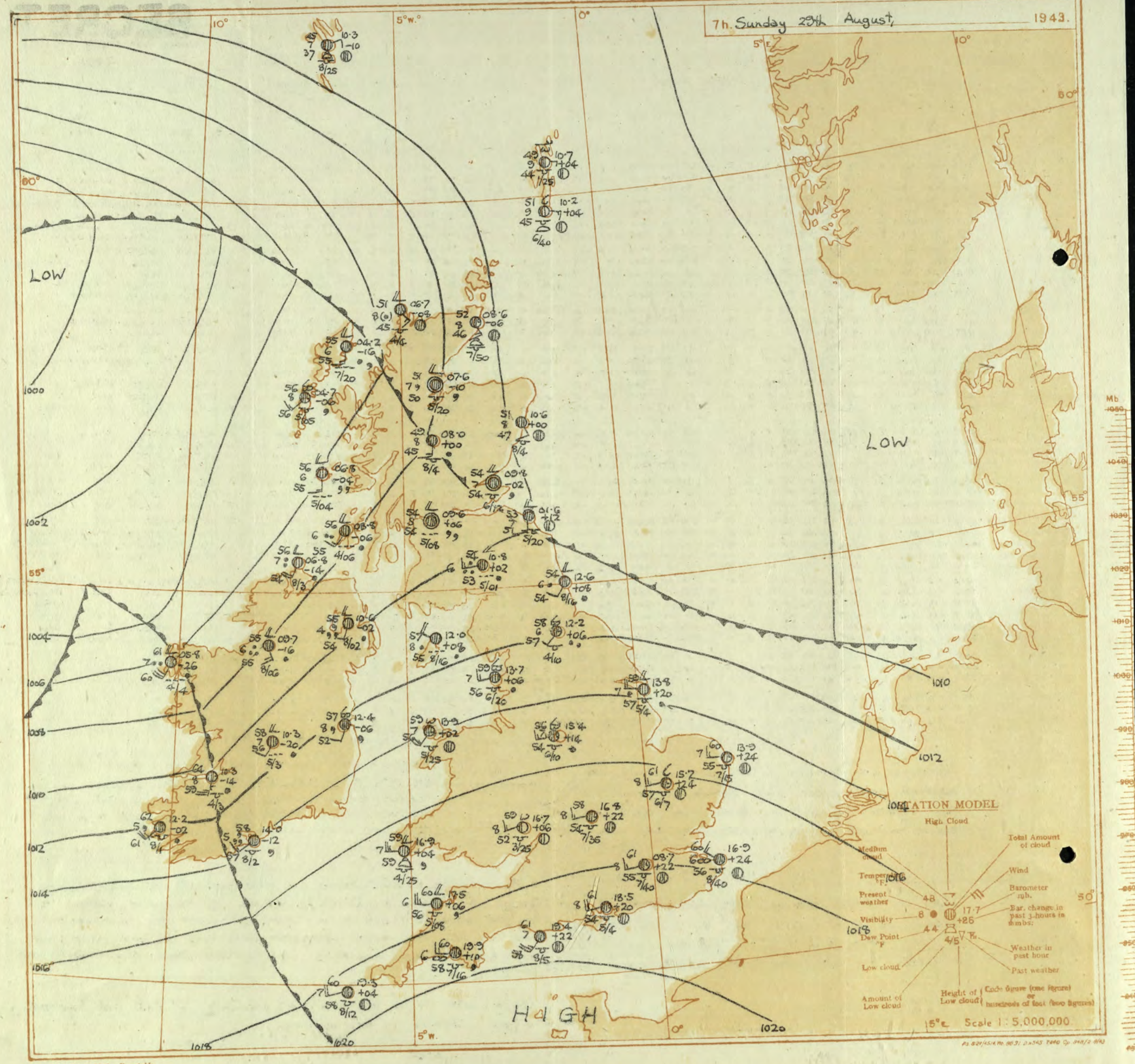
FURTHER OUTLOOK

Cloudy, with some bright intervals, especially in East and Southeast; a few showers in the Northwest

Forecasts issued at 10.30.

NELSON K. JOHNSON, K.C.B., D.Sc. Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Sunday 29th August, 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

Page 4.

BRITISH SECTION

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

Sunday 29th August, 1943

No 29864.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0-9 (9)	Cloud Form Low (10)	Cloud Form Med (11)	Cloud Form High (12)	Cloud Amount Low 0-10 (13)	Cloud Amount Total 0-10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	61	*	*	*	*	*	*	*	*	*
	Croydon	290	15·0	+12	W	5	c	60	85	57	7	5	–	–	10	10	3300
	S. Farnborough	226	14·9	+14	WSW	4	c	59	92	57	8	5	7	–	7-8	10	3800
	Boscombe Down	417	15·8	+14	W'S	3	dodo	57	97	56	7	–	2	–	10	10	1000
	Thorney Island	10	15·4	+10	WSW	4	c/r	61	85	57	7	5	–	–	4-6	9	2500
	Lympne	283	14·0	+10	W	4	zo	58	85	55	6	5	–	–	4-6	4-6	2500
	Manston	154	13·5	+8	WSW	3	zo	59	85	55	6	5	–	8	2-3	7-8	6500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	12·1	+10	WSW	4	b-bc	61	85	58	7	–	7	–	0	2-3	–
	Gorleston	5	10·1	+6	W	3	l	60	92	58	7	5	–	–	9	9	1500
	Mildenhall	15	11·5	+18	WSW	4	c	59	92	57	7	5	–	–	9+	9+	3800
	Cranwell	203	11·3	+24	WSW	4	zo	60	92	57	6	5	–	–	10	10	2100
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13·4	+18	W	4	c	59	92	56	7	5	–	–	9	9	2700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·7	+8	E	4	bc	60	85	54	7	1	4	–	2-3	4-6	2500
	Bristol	209	15·3	+16	WSW	5	zo	60	92	58	6	5	–	–	9+	9+	2600
	Portland Bill	32	16·2	+18	SW	5	o	59	92	57	7	5	–	–	10	10	2500
	Plymouth	86	18·5	+14	W	4	c	61	85	58	8	5	–	–	10	10	2000
	The Lizard	240	18·3	+8	W	4	c	59	92	56	7	5	–	–	10	10	1000
	Scilly (St. Mary's)	163	17·7	+6	WS	5	c	59	75	51	6	5	–	–	9+	9+	1200
	Guernsey	175															
6	Pembroke	142	15·5	+16	W	5	b-bcq	60	97	60	7	2	–	–	2-3	2-3	2500
7	Holyhead (Valley)	32	12·9	+20	W	4	c	59	85	56	8	5	–	–	9+	9+	3500
	Chester (Sealand)	16	11·5	+20	NW'N	2	ir	60	85	56	7	5	2	–	9	10	2000
8	Manchester	230	11·6	+22	W'N	4	zo	59	92	57	6	6	2	–	7-8	10	1300
10	Spurn Head	29	09·5	+24	W	4	o	61	85	58	7	5	–	–	10	10	1500
	Catterick (Sc)	192	10·0	+20	–	0	rr	55	97	55	4	–	2	–	10	10	600
	Tynemouth	108	10·2	+12	–	0	ir	54	97	53	7	–	2	–	10	10	1500
11	St. Abbs Head	280	09·0	+8	E	2	rr	53	92	51	7	5	–	–	10	10	1500
	Leuchars	36	09·8	+10	–	0	c	53	85	49	7	5	2	–	7-8	10	2500
12	Renfrew (Abbots I.)	19	09·1	+10	E	1	dodo	54	92	53	5	6	2	–	7-8	10	800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	10·1	+10	WNW	4	c	58	85	55	8	5	–	–	9	9	3000
13A	Tiree	44	06·8	+6	SW	2	dodo	57	97	56	4	6	–	–	10	10	200
13B	Stornoway	12	06·6	+2	ESE	3	ir	53	85	47	7	–	7	–	0	9	–
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	10·2	+10	–	0	bc	40	97	40	7	–	5	–	0	4-6	–
	Wick	114	09·6	+10	–	0	b	41	92	39	8	–	4	–	0	1	–
16	Sumburgh	19	09·7	+10	NNE	3	b	45	85	41	8	5	–	–	1	1	3000
17	Blacksod Point	18	10·4	+10	SW	4	ido	58	85	54	7	6	2	–	4-6	10	1500
18	Malin Head	84	07·8	+16	SW'W	3	id	57	92	55	7	5	–	–	10	10	800
	Aldergrove	268	10·6	+18	W	3	c/d	57	97	56	7	5	–	–	10	10	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	14·7	+2	S'W	4	p/r	58	92	56	7	5	–	–	10	10	1500
	Roches Point	22	15·6	+8	WSW	3	ido	58	97	58	8	5	–	–	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 29th August — 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 28th hrs. (38)
London (Kew)	17·7	+20	W	2	c	61	85	55	7	5	–	–	9+	9+	2500	1	*	64	59	58	1	0·1	0·1
Croydon	18·7	+22	WSW	3	c	61	85	55	8	5	–	–	9+	9+	4000	1	*	64	59	57	1	1	0·3
S. Farnborough	18·6	+22	W	3	c	59	85	56	8	5	–	–	10	10	1200	1	*	64	59	56	2	1	0·1
Boscombe Down	18·8	+18	W'S	2	c	58	85	54	7	5	–	–	9+	9+	2500	1	*	63	57	56	2	0·3	0·0
Thorney Island	18·5	+20	WSW	4	c	61	75	54	8	5	–	–	7-8	9+	1500	1	*	63	60	58	2	Tr	*
Lympne	18·1	+26	WNW	2	c	59	85	56	7	5	–	–	10	10	3000	0	4	62	52	51	2	Tr	0·2
Manston	16·9	+24	W'N	3	zo	60	85	56	6	5	–	–	10	10	4000	1	*	64	52	47	1	1	0·2
Shoeburyness	17·6	+16	W	3	c	61	85	57	7	5	–	–	10	10	4000	1	*	65	60	60	1	1	0·1
Felixstowe	16·0	+22	WSW	4	c	61	85	56	7	5	–	–	9	9	2500	0	4	65	59	56	2	0·3	0·1
Gorleston	13·9	+24	W	3	c	60	85	55	7	5	–	–	9+	9+	1500	1	2	64	60	56	3	–	0·0
Mildenhall	15·7	+24	W'S	3	c	61	85	57	8	5	4	–	9	9+	5700	0	*	64	58	55	6	–	0·3
Cranwell	14·7	+18	W'S	3	c	58	92	56	7	5	7	–	4-6	9+	3500	0	*	65	58	57	5	–	0·0
Birmingham	16·4	+14	SW	2	c	58	85	53	8	5	–	–	9+	9+	4000	1	*	65	58	55	2	0·5	0·0
Upper Heyford	16·8	+22	W'S	3	c	58	85	54	8	5	–	–	9+	9+	3500	0	*	64	58	56	4	0·1	*
Ross-on-Wye	16·7	+6	SW'W	3	bc	59	75	52	8	5	3	–	2-3	4-6	2500	1	*	65	57	52	1	–	0·1
Hartland Point	17·5	+6	W	5	c	60	85	56	6	5	2	–	7-8	10	800	1	5	62	58	57	1	Tr	0·0
Bristol	18·2	+14	W	3	zo	60	85	55	6	5	–	–	4-6	9+	1500	1	*	65	58	57	2	Tr	0·1
Portland Bill	19·4	+22	SW	5	o	61	85	58	7	5	–	–	10	10	2500	1	5	62	57	*	2	–	*
Plymouth	19·9	+10	W	3	zo	60	92	58	6	5	–	–	9+	9+	1600	0	2	62	59	57	4	Tr	0·0
The Lizard	20·0	+10	W	4	c	59	92	57	7	5	–	–	9+	9+	1500	1	4	63	58	*	0·5	0·3	0·1
Scilly (St. Mary's)	19·3	+4	SW'W	4	c	60	92	58	7	5	–	–	10	10	1200	1	4	64	58	*	0·1	–	0·2
Guernsey																							
Pembroke	16·9	+4	W	5	cq	59	97	59	7	8	2	–	4-6	10	2500	1	4	62	57	*	1	Tr	0·6
Holyhead (Valley)	13·9	+2	SSW	5	c	59	85	56	7	5	3	–	7-8	9+	2500	1	4	64	59	57	4	1	*
Chester (Sealand)	14·3	+10	W	1	c	60	75	53	8	5	–	–	9+	9+	2400	0	*	71	59	57	2	Tr	1·8
Manchester	14·5	+12	SSW	2	c/r	58	85	54	7	5	7	–	4-6	9+	2000	1	*	64	57	55	5	0·1	*
Spurn Head	13·8	+20	N	4	ir	59	92	57	7	5	2	–	7-8	10	1500	1	3	63	58	*	6	3	0·0
Catterick (Sc)	12·2	+6	SSW	1	c/r	58	92	57	6	5	7	–	4-6	9+	1000	1	*	64	55	54	8	3	0·4
Tynemouth	12·6	+8	SSW	2	ir	54	97	54	6	–	2	–	10	10	1600	1	3	57	54	54	3	1	*
St. Abbs Head	11·6	+12	S	3	c	53	92	51	7	5	2	–	7-8	10	2000	1	3	54	52	*	4	0·6	*
Leuchars	09·8	-2	–	0	c	54	97	54	7	5	2	–	9	10	1200	1	*	54	51	51	1	0·3	0·0
Renfrew (Abbots I.)	09·6	+6	–	0	c/d	54	97	54	5	6	2	–	7-8	10	800	1	*	55	52	52	4	1	0·0
Eskdalemuir	10·8	+2	SW'W	3	rr	54	97	53	6	6	2	–	7-8	10	100	1	*	53	50	50	15	3	0·0
Point of Ayre	12·0	+8	W'N	4	ir	57	92	55	8	6	–	–	10	10	1600	1	3	67	55	*	5	2	1·1
Tiree	06·8	-4	S	3	c/d	56	97	55	6	6	2	–	7-8	10	400	1	3	57	53	53	3	3	0·0
Stornoway	04·2	-16	S	3	c/d	55	97	55	6	6	2	–	9+	10	2000	1	2	55	51	49	–	2	11·0
Dalwhinnie	08·0	0	S	3	o	49	85	45	8	5	–	–	10	10	1500	1	*	52	47	45	–	0·3	0·0
Aberdeen †	10·6	0	SSE	2	c	51	92	47	8	5	–	–	10	10	1500	1	1	54	42	37	–	Tr	2·5
Wick	08·6	-6	SE	3	c	52	75	46	8	8	–	–	9+	9+	5000	0	*	54	40	33	–	–	*
Sumburgh	10·2	+4	SSW	3	c	51	75	45	9	7	4	–	9	9+	4000	0	2	56	44	37	Tr	–	2·8
Blacksod Point	05·8	+26	SSW	6	rr	61	97	60	7	6	2	–	4-6	10	1500	2	5	61	56	*	0·5	14	*
Malin Head	06·8	-14	S'W	4	ir	56	92	54	7	–	2	–	10	10	800	2	3	58	55		8	2	0·0
Aldergrove	10·6	-2	S'W	1	dd	55	97	54	4	–	2	–	10	10	200	1	*	63	55	54	4	6	0·1
Birr Castle	10·3	+20	SSW	2	c	58	92	56	7	6	2	–	7-8	10	800	1	*	63	56	55	2	1	2·1
Valentia Obsy.	12·2	-2	SW'S	5	ido	62	97	61	5	5	–	–	10	10	220	1	5	61	58	57	0·6	1	0·2
Roches Point	14·0	-12	SW	3	dd	58	97	57	5	5	–	–	10	10	450	1	4	64	57		1	0·5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 28th August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 29th August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	8-	01954	01324	5-	02956	29326	5-	01863	00013	83	02964	12326
115	84	02954	08524	54	01963	08423	54	02857	12426	52	10844	12327
203							5-	03948	12428			
206	57	02954	08326	5-	02957	08427	5-	02957	06227	52	51755	00058
210	57	01954	05314	53	02964	06315	57	02961	00013	52	21854	10258
219	23	02953	07525	17	02941	07426	5-	52748	14458	57	02825	20357
230	57	61864	00068	52	61953	10267	6-	59648	00068	62	58737	18268
245	57	02953	08328	57	02853	06327	57	02865	00027	5-	54538	22258
260	5-	64548	04268	5-	05658	04228	5-	05648	04328	52	05655	20158
278	02	62628	42368	62	51837	12268	5-	02846	23358	52	62835	22368
279	62	61645	08368	62	52525	06368	5-	21648	00058	52	62636	22368
285	62	63524	10368	62	63624	22368						
288	62	62636	17368	62	64136	02268	52	21435	31158	57	61654	18267
578	62	63746	22268	67	52635	59457	5-	05648	22428	02	64668	14368
301	62	02736	55568	86	02855	22568	5-	02758	25528	57	02756	22368
321	52	62646	17468	57	62746	24367	50	05645	24325	5-	33157	22167
299	5-	64638	20468	5-	64538	20268	5-	05648	30328	5-	54548	20158
298	62	54426	16368	57	21845	22357	5-	21648	24258	57	21754	20258
310												
614	67	05635	54428	86	05646	20467	52	05645	22328	57	05645	22127

III	13h. G.M.T. 28th August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 29th August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
388	5-	54408	51568	53	21744	55556	51	05665	22457	5-	05648	20328
384	--	54437	26358	--	53537	26488						
340				5-	61857	55567	57	02764	24226	57	02846	20357
136	62	62537	18568	57	61835	18567	5-	02758	21468	57	02843	22467
380	62	62626	20468	52	02754	24528						
850	62	22635	18468	5-	51735	53428	5-	51745	56468	57	02875	20256
368	5-	02648	24428	5-	21647	24557	5-	02758	26528	5-	21646	24458
370				6-	52527	53757	5-	21635	20358			
390	62	62436	18368	5-	05635	51628	5-	05668	53428	5-	02663	22228
382	57	02835	56568	5-	51837	54457	5-	02767	24427	53	01864	24424
438				5-	25743	22788	50	01743	24613	5-	02748	24618
430	5-	22536	21468	5-	51638	53428	5-	01765	24365	5-	02768	22228
409	5-	52628	21558	5-	02725	55458	5-	05658	24328	5-	02736	21827

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 29th August 1943.
Day 7h—18h Kew and Croydon, 9h—18h Kensington, 9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	crdoiro	ciro	cirroc
Croydon	croro	crorocido	cdocbc
Greenwich	rrod	dc	crocbc
Camden Square	cr	c	*
Kensington	cp	c	*
Hampstead	bcor	o	

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

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	64	59	58	1	0·1	0·1	*	*
Croydon	64	59	57	1	1	0·3	*	*
Greenwich	68	59	54	0·8	0·3	0·6	71	66
Westminster	65	58	56	1			88	78
Regents Park								
Camden Square	66	59	57	2	–	*	*	73
Kensington	68	60	*	0·9	0·5		87	72
Hampstead	64	54	53	2	–		*	71

SECRET

Page 1 BRITISH SECTION

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

Monday 30th August, 1943

No. 29866

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18·1	-4	SW	4	c-bc	66	75	56	7	5	9	-	4-6	7-8	4000
	Croydon	19·5	-2	SW	4	c	68	75	58	8	5	-	-	9	9	4000
	S. Farnborough	18·8	-2	SW	4	c	67	75	58	7	7	7	-	9	9+	2000
	Boscombe Down	18·7	-2	SW'S	4	c	64	75	57	8	5	2	-	9	9+	2500
	Thorney Island	20·0	+2	SW	3	o	64	85	58	7	5	-	-	7-8	10	1500
	Lympne	18·9	-2	W	4	c	69	65	56	8	5	-	3	7-8	9	2500
	Manston	18·2	-2	WSW	4	c	70	55	54	8	5	-	-	9	9	2500
2	Shoeburyness	18·2	-4	WSW	4	c	69	65	57	8	5	-	-	9+	9+	4000
	Felixstowe	17·2	+2	SSW	3	c	71	55	53	8	5	7	-	7-8	9	4000
	Gorleston	15·9	+4	WSW	3	c-bc	67	65	56	7	7	-	-	7-8	7-8	2800
	Mildenhall	16·3	-4	SW	4	c	67	65	57	7	5	7	-	4-6	9+	3000
	Cranwell	14·6	-10	SW'W	4	ir	62	85	58	6	5	7	-	4-6	10	2000
3	Birmingham	15·3	-6	SSW	3	c	62	65	50	8	5	-	-	10	10	450
	Upper Heyford	16·9	-6	SW'W	4	c	64	85	58	7	5	-	-	9+	9+	1000
4	Ross-on-Wye	16·5	-4	SW	4	c	64	85	58	7	5	-	-	9+	9+	2500
5	Hartland Point	16·6	-6	SW	4	o	63	97	63	8	5	-	-	10	10	800
	Bristol	18·0	-4	SW	3	c	67	75	60	7	5	2	-	4-6	9+	2500
	Portland Bill	20·2	-6	SW	5	o	62	85	59	7	5	—	-	10	10	2500
	Plymouth	20·4	-2	SW'W	3	dodo	61	97	61	5	5	-	-	10	10	<150
	The Lizard	20·2	-2	W	5	df	61	97	61	2	5	-	-	10	10	400
	Scilly (St. Mary's)	19·0	-4	SW	4	m/f	64	92	62	4	5	-	-	10	10	400
	Guernsey															
6	Pembroke	15·5	-6	SW	6	Dr	62	97	60	3	-	-	-	10	10	<150
7	Holyhead (Valley)	11·9	-10	S'W	6	ido	61	97	61	5	5	-	-	10	10	<150
	Chester (Sealand)	12·5	-10	W'S	4	c	67	75	60	9	5	7	2	7-8	9+	2500
8	Manchester	13·1	-12	SSW	5	c	64	85	60	7	3	2	-	7-8	10	1500
10	Spurn Head	14·0	-6	SW	4	zo	62	85	56	6	5	2	-	4-6	10	1500
	Catterick (Sc)	11·4	-8	SSW	1	iro	59	92	58	6	5	7	-	7-8	10	2000
	Tynemouth	11·6	-12	SW	4	c-bc	62	85	56	7	2	3	-	4-6	7-8	2000
11	St. Abbs Head	08·7	-6	S	2	roro	58	92	56	7	5	2	-	7-8	10	2000
	Leuchars	08·0	-14	—	0	roro	58	92	56	7	5	2	-	7-8	10	800
12	Renfrew (Abbots I.)	07·2	-24	SSW	3	zo	60	85	57	6	5	2	-	7-8	10	1200
	Eskdalemuir	08·5	-10	SW'S	5	roro	57	92	55	5	6	1	-	7-8	10	300
	Point of Ayre	08·3	-30	WSW	5	c	66	85	62	7	6	-	-	10	10	1500
13A	Tiree	03·1	-30	S'E	5	ir	57	97	57	5	6	2	-	9	10	400
13B	Stornoway	02·2	-22	SSE	3	c/d	58	92	55	8	5	2	-	9	9+	1400
15	Dalwhinnie	06·0	-24	SSW	4	c	56	85	51	8	5	7	-	7-8	9+	1500
	Aberdeen	07·8	-12	S	2	zo	57	92	56	6	5	2	-	7-8	10	800
	Wick	06·5	-12	SSE	5	c	55	92	53	7	5	7	-	2-3	9+	4000
16	Sumburgh	08·8	-14	SE'E	5	c	54	75	47	8	5	2	-	9+	9+	2500
17	Blacksod Point	05·9	-2	SW'W	5	ido	61	97	61	7	-	2	-	10	10	1500
18	Malin Head	03·9	-14	S'W	3	d	61	92	59	6	-	2	-	10	10	800
	Aldergrove	06·8	-14	SW	3	c	63	97	61	8	5	-	-	10	10	800
19	Birr Castle	09·0	-6	SSW	2	ir	65	97	65	7	6	2	-	7-8	10	800
20	Valentia Obsy.	11·6	-2	SW'S	5	o/r	63	97	62	6	5	-	-	10	10	800
	Roches Point	13·1	-4	SW	4	dodo	61	97	61	5	5	-	-	10	10	450

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

Stations	Barom. at M.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)	16·5	-10	SW	3	c	65	85	60	7	5	-	-	9+	9+	2500	1	*
Croydon	18·0	-8	SSW	4	c	64	85	60	8	5	7	-	4-6	10	2000	0	*
S. Farnborough	16·9	-14	WSW	4	ido	64	85	61	7	5	—	-	9+	9+	800	1	*
Boscombe Down	17·0	-14	SW'S	4	c	63	92	62	8	5	2	-	9	9+	600	0	*
Thorney Island	18·4	-10	SW	3	roro	63	97	61	5	-	2	-	10	10	800	1	*
Lympne	18·5	-4	W	4	c	62	85	58	7	5	-	-	9+	9+	800	0	§ *
Manston	17·2	-6	SW	5	bc	65	75	57	7	5	5	1	2-3	4-6	1200	0	*
Shoeburyness	17·0	-8	SW	4	bc	66	75	59	8	-	7	5	0	4-6	-	0	*
Felixstowe	15·5	-10	SSW	4	c-bc	69	75	60	7	-	3	3	0	7-8	-	0	4
Gorleston	14·1	-6	S'W	3	c	69	75	60	7	8	-	-	9+	9+	2200	0	3
Mildenhall	13·3	-22	SSW	4	bc	70	75	61	8	5	4	9	2-3	4-6	2000	0	*
Cranwell	10·4	-26	SW'W	6	c	69	75	61	8	5	7	9	4-6	9	1500	0	*
Birmingham	11·9	-20	SSW	3	ido	65	85	60	8	6	-	-	10	10	1500	1	*
Upper Heyford	14·3	-16	SSW	4	c	66	85	61	8	5	-	9	9	9+	1400	1	*
Ross-on-Wye	13·0	-20	SW	5	ido	66	92	64	7	5	-	-	10	10	1500	1	*
Hartland Point	13·3	-22	WSW	5	id	63	85	59	6	5	-	-	10	10	400	1	5
Bristol	15·2	-18	S'W	3	ido	67	92	64	7	5	-	-	10	10	1200	1	*
Portland Bill	17·4	-12	SW	5	o	62	85	59	7	5	-	-	10	10	2500	1	5
Plymouth	18·2	-10	SW'W	4	o/F	62	97	62	6	5	-	-	10	10	200	1	3
The Lizard	18·7	-12	W	5	c	62	97	62	7	5	6	-	7-8	9+	1000	1	4
Scilly (St. Mary's)	16·9	-14	SW	5	c	64	65	52	6	5	5	-	4-6	9	1000	1	4
Guernsey																	
Pembroke	12·4	-16	SW'W	7	dd	62	97	62	4	5	-	-	10	10	1500	1	4
Holyhead (Valley)	08·7	-22	SW'S	7	df	61	97	60	3	5	-	-	10	10	<150	1	4
Chester (Sealand)	08·9	-20	WSW	4	c/d	68	75	61	7	5	7	-	9	9+	1000	0	*
Manchester	10·1	+2	SSW	6	c/r	67	92	65	7	5	-	-	9+	9+	2500	1	*
Spurn Head	10·2	-20	SW'S	4	c	67	85	63	7	7	3	-	4-6	9+	1500	0	3
Catterick (Sc)	08·0	-22	S	3	roro	65	92	64	5	6	2	-	7-8	10	1500	1	*
Tynemouth	05·6	-30	SW	2	c/pr	53	92	51	6	5	-	-	9+	9+	2200	1	2
St. Abbs Head	04·1	-18	SSW	3	c	61	92	59	7	5	2	-	7-8	9+	1500	1	3
Leuchars	01·9	-34	SW	2	c	61	92	58	8	5	9	-	4-6	10	2500	1	*
Renfrew (Abbots I.)	02·5	-32	WSW	4	c/tlr	62	92	60	6	9	-	9	7-8	9+	100	1	*
Eskdalemuir	03·5	-28	SSW	4	RR	59	97	58	5	6	2	-	9	10	300	2	*
Point of Ayre	04·9	-24	W'N	6	c	65	97	63	8	6	-	-	9+	9+	1000	1	4
Tiree	01·1	-14	SSW	4	ido	57	97	56	5	5	-	-	7-8	9+	100	1	4
Stornoway	97·1	-30	SSW	4	c/r	58	97	68	7	6	2	-	9+	10	700	1	3
Dalwhinnie	01·3	-18	SW	3	pr	56	92	54	7	5	-	-	10	10	1500	1	*
Aberdeen	02·9	-20	S'E	3	ido	56	97	55	6	5	2	-	9	10	800	1	2
Wick	01·6	-14	SSE	1	rr	56	97	55	6	5	2	-	7-8	10	2000	1	*
Sumburgh	04·1	-30	SE'E	5	dodo	52	97	51	6	6	2	-	9+	10	900	1	3
Blacksod Point	04·4	-14	SW	5	c	58	85	55	7	6	-	-	9+	9+	1600	1	4
Malin Head	02·1	-12	WSW	5	id	57	92	55	8	8	2	-	2-3	10	1500	2	4
Aldergrove	03·5	-22	SW'S	4	c-bc	64	85	60	9	8	-	4	4-6	7-8	1000	1	*
Birr Castle	09·3	-14	WSW	4	c-bc	63	85	59	8	8	-	-	7-8	7-8	1500	1	*
Valentia Obsy.	11·1	+4	SW'W	5	c/r	59	85	55	8	5	-	-	9	9	1500	1	5
Roches Point	10·7	-12	WSW	5	id	61	97	61	7	5	-	-	10	10	450	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.–13h. 29th (39)	13h.–18h. 29th (40)	18h. 29th – 1h. 30th (41)	1h.–7h. 30th (42)
London (Kew)	c	cbcc	cbccro	rociro
Croydon	c	cbcc		cidomobc
S. Farnborough	c	cbccido	cidomiroro	crormoc
Boscombe Down	cbcc	ccidoc	ciroidomo	cidorombcc
Thorney Island	c	comoroo	ciroc	cmoiroc
Lympne	cbc	c	oidofmo	cidomo
Manston	cmocbcq	bc		ciprnoidobc
Shoeburyness	c	cbc	bcc	crrc
Felixstowe	c	cbcc	cmocrrmo	ciromocbc
Gorleston	c	cproc	cbcqpro	bc
Mildenhall	c	cbccmz	bcciro	
Cranwell	c	cirmoc		bc
Birmingham	c	co	oRc	c
Upper Heyford	c	c	cdodoidomoc	ciromobc
Ross-on-Wye	c	cido	idciro	cbc
Hartland Point	ciro	dfoid	ircid	bccirpr
Bristol	cidomocbc	cidomo	cidororomododomo	cdodomoc
Portland Bill	o	o		
Plymouth	cdodomo	oFomoF	omoidorr	cdodomo
The Lizard	offdd	dffc	ofidm	cprc
Scilly (St. Mary's)	idodo	ocbcc	offec	cpo
Guernsey				
Pembroke	bf	idmq	cbcprq	cidoq
Holyhead (Valley)	cpmo	ododoiro	cpro	ciro
Chester (Sealand)	cpro	czo	ciroir	c
Manchester	ciromo	irobciro	rrroro pr	cpRiro
Spurn Head	prcmo	c	cbcq	c
Catterick (Sc)	crorociro	ciromo	crorocmb	cmoc
Tynemouth	oiromc	cpmo	cpmobcql	bcroc
St. Abbs Head	crmo	crmc	crobc	cq
Leuchars	idmoro	crorocmo	cctlrrmol	bcmocmociro
Renfrew (Abbots I.)	crrmododo	rorotlrcmo	pRprocmo	crorobcpro
Eskdalemuir	rriRc	rrtRR	tLRiro	ciroroto
Point of Ayre	cRrc	PRc	cbbcc	iroc
Tiree	cidorrcir	cdodooidomo	cidoirocbc	bcc
Stornoway	cidomod	cR	cidoddmo	cdodocddmo
Dalwhinnie	oc	cproo		oirc
Aberdeen	cdododdczo	czocido	ciRczo	cpro
Wick	c	cidocdoroo	cbc	cidocdodoc
Sumburgh	cwc	cdododomo	crododo	odffdomo
Blacksod Point	d	c	r	pr
Malin Head	r	d	r	r
Aldergrove	ddrRrrc	ccirmoc	cbccbcc	cidororoc
Birr Castle	r	r		pr
Valentia Obsy.	r	r	pr	pr
Roches Point	d	d	pr	c

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Fresh west to northwest winds, moderating tonight, backing southwesterly later; cloudy with local showers, considerable bright periods later; cool.
5 S.W. England; 6 South Wales; 7 North Wales	Fresh or strong west to northwest winds, moderating temporarily, then backing southwest and freshening; cloudy with local showers at first, bright periods later but general rain finally spreading from southwest; 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; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	As 1-4
16 Orkneys and Shetlands	As 1-4
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 5·7.

GENERAL INFERENCE

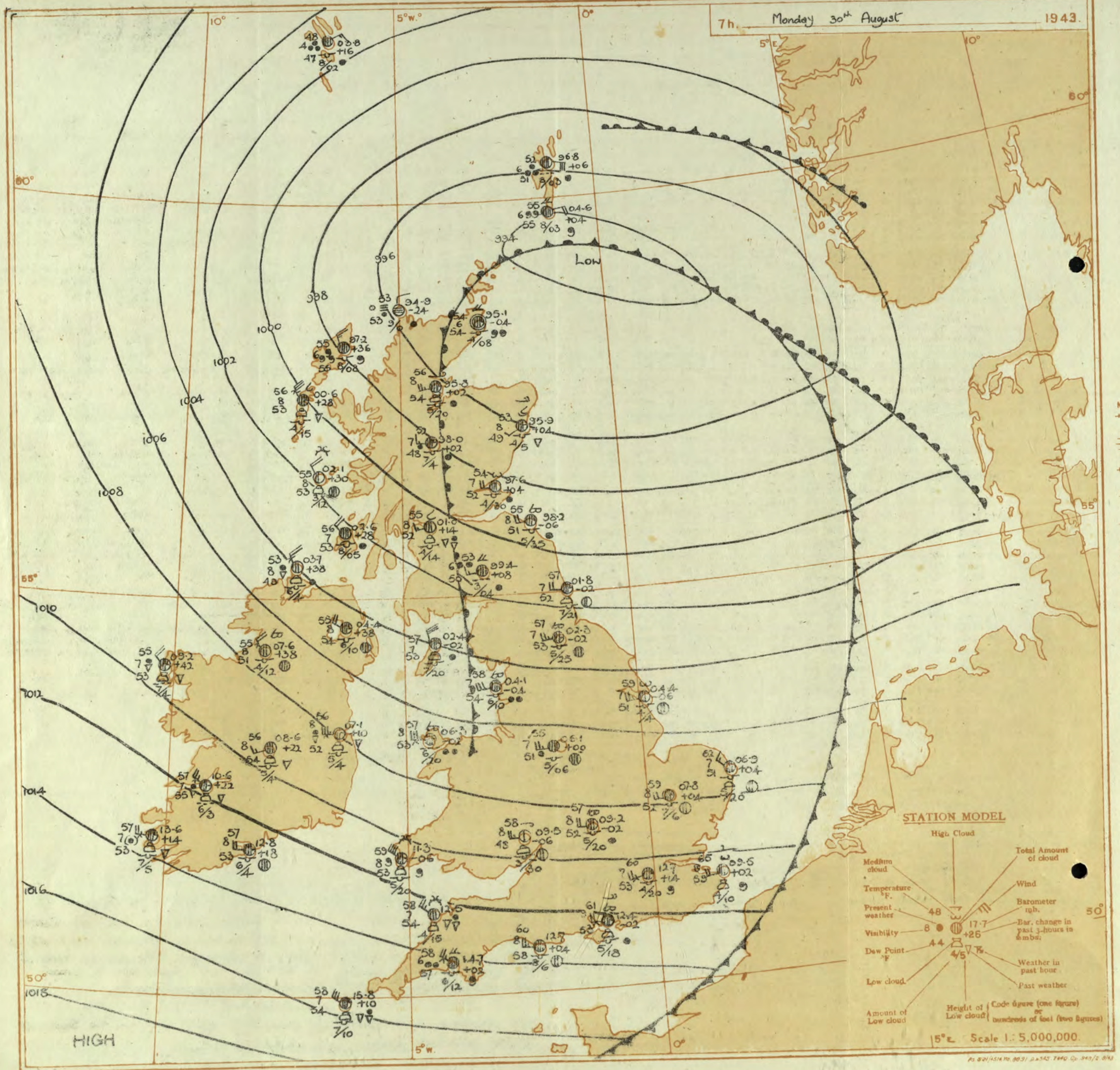
A depression off northeast Scotland is moving eastwards and a ridge of high pressure is spreading in over the British Isles. from the West. Weather will be generally cool and cloudy with local showers at first, but there will be bright periods in most districts later. A depression now centred North of the Azores is moving quickly northeast and will cause rain to spread over Southwest England, Ireland and Wales, tomorrow morning.

FURTHER OUTLOOK

Rain spreading to all districts but amounts probably small in the Southeast. Brighter conditions spreading into Western districts.

Forecasts issued at 10·30

NELSON K. JOHNSON, K.C.B., D.Sc. Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

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

Explanation of Frontal Lines shown on Charts

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

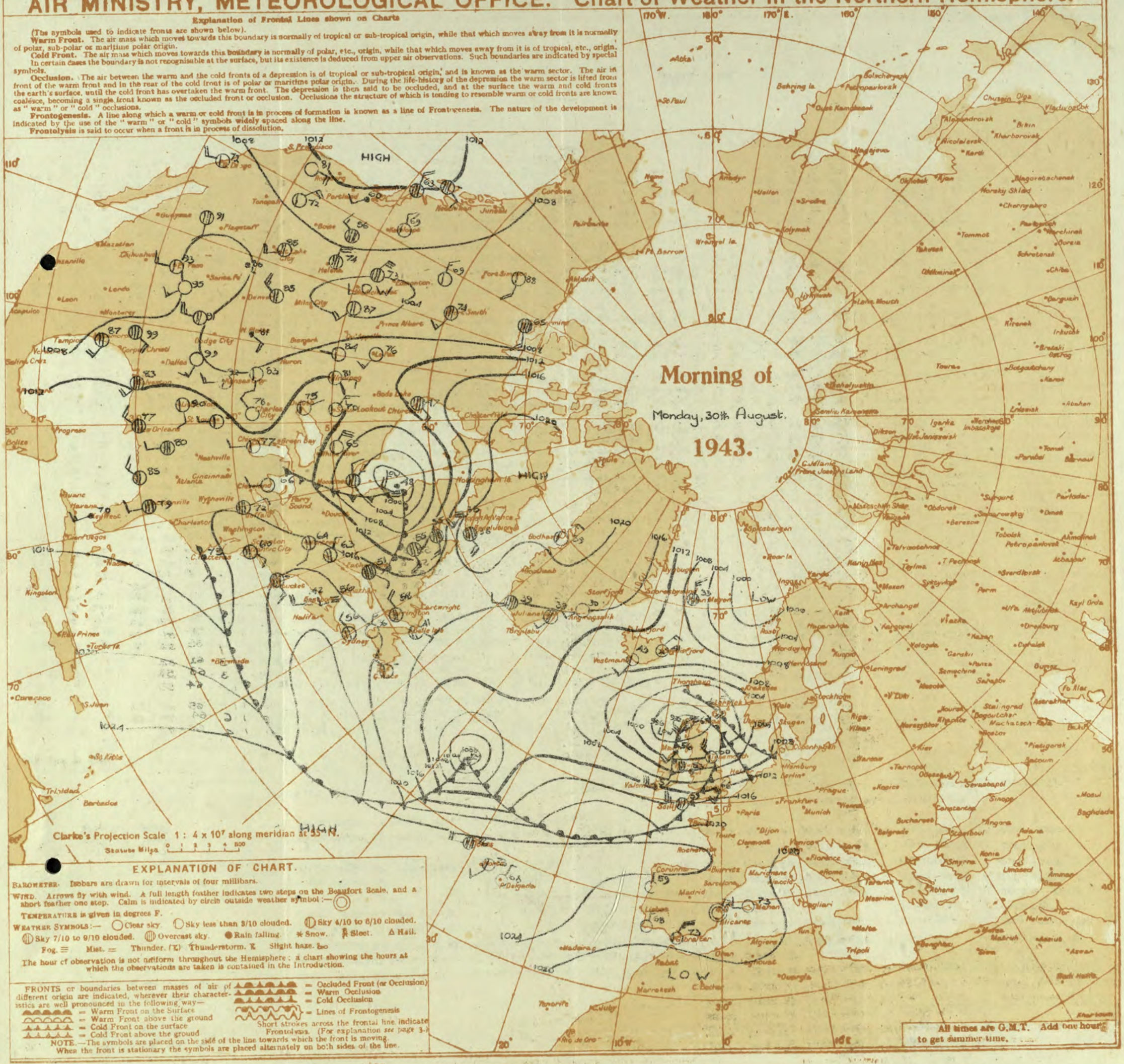
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalèsce, 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 30th August 1943

No. 29866

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

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	*	*	*	*	*	65	*	*	*	*	*	*	*	*	*
	Croydon	290	12.7	-26	SSW	5	d₀d₀	66	92	63	6	5	-	-	10	10	1400
	S. Farnborough	226	12.0	-22	WSW	4	r₀r₀	65	92	63	6	5	7	-	9	10	1000
	Boscombe Down	417	12.7	-20	SW'W	4	id₀	63	97	61	6	5	-	-	10	10	1200
	Thorney Island	10	14.0	-20	SW	5	z₀	65	92	63	6	5	-	-	9	10	900
	Lympne	283	13.8	-24	WSW	4	z₀	65	92	62	5	5	-	-	10	10	400
	Manston	154	13.6	-18	SW'W	6	c	65	85	60	6	5	2	-	7-8	9	1200
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	11.1	-26	SSW	5	rr	66	92	63	6	6	2	-	4-6	10	1500
	Gorleston	5	08.9	-32	SW	4	pr	65	92	63	7	5	-	-	4-6	4-6	1500
	Mildenhall	15	08.8	-24	SW	5	ir₀	67	85	63	6	5	-	-	7-8	10	1400
	Cranwell	203	06.9	-14	SW	6	bc	64	85	60	7	5	-	-	4-6	4-6	1500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	10.7	-10	WSW	5	c/d	63	92	61	6	5	-	-	9	9+	1100
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12.7	-2	SSE	5	c/d	59	97	59	7	5	2	-	7-8	10	1500
	Bristol	209	11.6	+10	SW'W	5	d₀d₀	63	97	62	5	5	-	-	7-8	7-8	1000
	Portland Bill	32															
	Plymouth	86	15.0	-10	WSW	5	d₀d₀	61	97	61	6	5	-	-	9+	10	400
	The Lizard	240	16.1	-4	W'S	6	m/f	60	97	60	4	5	-	-	10	10	600
	Scilly (St. Mary's)	163	15.9	+4	W'N	5	c	59	97	58	7	5	-	-	9+	9+	1500
	Guernsey	175															
6	Pembroke	142	11.4	+2	W'N	7	a-bc/pr	58	85	54	8	2	6	-	4-6	7-8	1500
7	Holyhead (Valley)	32	07.2	-2	SW	7	pr	59	95	58	7	5	-	-	10	10	5000
	Chester (Sealand)	16	07.2	-2	W'S	2	r₀r₀	60	95	56	7	5	-	-	10	10	1800
8	Manchester	230	07.1	-2	W	4	pr	59	85	54	6	9	-	-	10	10	1800
10	Spurn Head	29	05.6	-16	SW'W	6	bcq	65	85	61	7	4	-	-	4-6	4-6	2500
	Catterick (Sc)	192	03.9	-14	SW	4	b-bc	56	85	52	7	5	-	-	2-3	2-3	2000
	Tynemouth	108	02.2	-14	NW	5	b-bcq	60	75	51	7	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	99.1	-8	W	5	bc/r	57	75	49	7	5	-	-	4-6	4-6	2500
	Leuchars	36	98.0	-12	SW	4	l	56	85	53	6	5	7	-	7-8	9	1500
12	Renfrew (Abbots I.)	19	00.6	-6	SW	3	pr	56	85	52	5	8	2	-	4-6	10	1000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	03.6	+2	W'N	6	c	57	85	53	8	5	-	-	10	10	2500
13A	Tiree	44	99.2	-4	WSW	3	bc	54	92	52	8	5	7	-	1	4-6	2500
13B	Stornoway	12	93.2	-20	SW	6	dd	56	97	55	6	5	-	-	10	10	800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	96.4	-20	—	0	c	56	97	55	7	8	-	-	9+	9+	4000
	Wick	114	96.0	-18	W	1	bc	53	97	52	7	5	1	-	2-3	4-6	1500
16	Sumburgh	19	96.2	-20	ESE	4	dd	53	97	53	4	-	2	-	10	10	200
17	Blacksod Point	18	03.0	+4	W'S	6	ir₀	56	92	54	7	6	2	-	4-6	10	1500
18	Malin Head	84	99.3	-14	SW	4	iD	56	85	52	7	-	2	-	10	10	800
	Aldergrove	268	02.1	-14	SW	4	c	58	92	53	8	5	-	-	10	10	1400
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	11.9	+2	W	6	pr	57	85	53	8	8	-	-	9+	9+	2500
	Roches Point	22	11.1	-2	W'S	5	bc	67	92	55	8	3	-	-	4-6	4-6	1500

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

Stations	Barom. at M.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)	10.3	+6	WSW	4	ir₀	60	75	51	8	5	-	-	9+	9+	2500	1	*
Croydon	12.7	+14	WSW	5	c	60	75	53	7	5	-	-	4-6	9+	2000	1	*
S. Farnborough	11.3	+10	W'N	4	c	58	92	56	8	5	7	-	7-8	9+	1000	1	*
Boscombe Down	12.0	0	W'S	4	c/d	56	97	54	7	5	7	-	9	9+	2000	1	*
Thorney Island	12.4	-2	W'S	4	c	61	75	53	9	8	7	2	7-8	9+	1800	1	*
Lympne	10.8	-6	WNW	4	c	63	85	59	7	2	4	1	2-3	9	2000	0	§4
Manston	09.5	+2	SW'W	4	c-bc	65	85	59	8	3	3	5	4-6	7-8	1000	1	*
Shoeburyness	11.1	0	W	4	c-bc	62	75	53	7	5	-	-	7-8	7-8	4000	0	*
Felixstowe	08.7	0	WSW	4	bc	61	75	51	8	5	6	-	4-6	4-6	2500	1	5
Gorleston	06.9	+4	W'N	3	c-bc	62	65	51	7	7	-	-	7-8	7-8	2000	1	3
Mildenhall	07.8	+4	SW'W	4	c	59	75	52	8	5	-	-	9+	9+	4000	1	*
Cranwell	05.8	-2	SW'W	6	c-bc	58	85	52	8	5	-	-	7-8	7-8	2500	1	*
Birmingham	07.8	-2	WSW	3	c	56	85	52	8	5	-	-	9	9	2500	1	*
Upper Heyford	09.2	-2	W'S	4	c-bc	57	85	52	8	5	7	-	7-8	7-8	2000	1	*
Ross-on-Wye	09.5	-6	W'S	5	b-bc	58	75	48	8	8	-	3	2-3	2-3	3000	1	*
Hartland Point	12.5	+6	WNW	5	c-bc/pr	58	85	54	7	3	6	-	4-6	7-8	1500	1	5
Bristol	11.5	+2	W'S	4	c/d	57	92	54	6	5	9	1	7-8	9	1500	1	*
Portland Bill	12.7	+4	W	5	c	60	92	58	8	5	-	-	10	10	4000	1	5
Plymouth	14.7	+2	W'N	5	r₀r₀	58	92	57	6	5	2	-	9	10	1200	1	4
The Lizard	15.8	0	W	6	c-bc/pr	57	92	54	7	5	3	-	7-8	7-8	1500	1	4
Scilly (St. Mary's)	15.8	+10	W'N	6	c/pr	58	85	54	7	8	-	-	9+	9+	1000	1	5
Guernsey																	
Pembroke	11.3	-6	W'N	8	d	59	85	53	8	8	6	-	7-8	9	2000	1	5
Holyhead (Valley)	06.3	-2	W'S	7	c/r	57	85	53	8	6	7	-	9	9+	2000	1	5
Chester (Sealand)	05.7	-6	WNW	3	c	59	75	51	8	5	3	-	7-8	9	2000	1	*
Manchester	05.6	-4	WSW	4	c/r	56	85	52	7	5	-	-	9+	10	1500	1	*
Spurn Head	04.4	-6	WSW	5	c-bc	59	75	51	7	5	3	-	4-6	7-8	1500	0	3
Catterick (Sc)	02.3	-2	WSW	5	c	57	85	53	7	5	7	-	7-8	9	2500	0	*
Tynemouth	01.8	-2	W	4	f_s	57	85	52	7	8	-	-	9+	9+	2100	1	3
St. Abbs Head	98.2	-6	WSW	4	c	55	85	51	8	5	7	-	7-8	9+	3500	0	3
Leuchars	97.6	+4	WSW	4	c-bc	54	92	52	7	5	3	-	4-6	7-8	3000	1	*
Renfrew (Abbots I.)	01.0	+14	SW'W	3	c-bc/pr	55	92	52	8	8	4	-	4-6	7-8	1400	1	*
Eskdalemuir	99.4	+8	WSW	3	r₀r₀	53	92	50	6	6	2	-	2-3	10	400	1	*
Point of Ayre	02.4	-2	NW'W	6	c	57	85	53	7	8	-	-	9+	9+	2000	1	4
Tiree	02.1	+30	NW'W	4	bc	55	92	53	8	2	6	-	2-3	4-6	1200	1	3
Stornoway	97.2	+36	NW	5	dd	55	97	55	6	5	-	-	10	10	800	1	
Dalwhinnie	98.0	+2	W	3	ir₀	52	85	48	7	5	-	-	9+	9+	1500	1	*
Aberdeen †	95.9	+4	SW	1	c	53	85	49	8	5	9	2	4-6	9	2500	1	1
Wick	95.1	-4	—	0	c/d	54	97	54	6	5	2	-	4-6	9+	800	1	*
Sumburgh	94.6	+4	E'N	4	d₀d₀	55	97	55	6	-	2	-	10	10	300	1	4
Blacksod Point	09.2	+42	WNW	4	pr	55	92	53	7	9	-	-	9+	9+	1500	1	3
Malin Head	08.7	+38	NW'N	5	pr	53	85	49	8	8	-	-	9	9	1500	2	3
Aldergrove	04.4	+38	W'N	4	c/r	55	92	54	8	5	-	-	9	9+	1000	1	*
Birr Castle	08.6	+22	WSW	3	c-bc	56	92	54	8	8	-	-	7-8	7-8	1500	1	*
Valentia Obsy.	13.6	+14	W	5	cjp	57	85	53	7	8	-	-	9+	9+	2500	1	6
Roches Point	12.8	+18	W	4	c	57	85	53	8	5	-	-	9	9	1500	1	4*

PAST 24 HOURS.

Stations	Temperature Max. Day 7h-18h °F. (33)	Min. Night 18h-7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h-18h mm. (36)	Rainfall Night 18h-7h mm. (37)	Sunshine 29th Hrs. (38)
London (Kew)	68	59	56	-	1	1.7
Croydon	70	60	58	-	0.3	3.6
S. Farnborough	68	57	53	Tr	1	1.7
Boscombe Down	67	54	52	Tr	1	0.5
Thorney Island	65	59	55	Tr	0.3	*
Lympne	69	61	59	-	0.1	3.9
Manston	72	62	61	-	0.5	7.3
Shoeburyness	74	62	58	-	0.6	6.2
Felixstowe	73	60	57	-	1	[illegible]
Gorleston	71	62	58	Tr	Tr	2.0
Mildenhall	71	59	54	-	1	4.4
Cranwell	71	56	53	0.6	1	3.1
Birmingham	67	55	51	Tr	3	0.4
Upper Heyford	69	56	52	-	0.4	*
Ross-on-Wye	68	56	53	Tr	0.6	1.6
Hartland Point	64	56	55	1	3	0.0
Bristol	69	56	53	Tr	7	1.4
Portland Bill	62	58	*	-	-	*
Plymouth	68	57	53	0.4	4	0.0
The Lizard	63	56	*	17	0.6	0.0
Scilly (St. Mary's)	65	57	*	Tr	0.5	1.5
Guernsey						
Pembroke	68	57	*	1	1	0.0
Holyhead (Valley)	63	54	49	2	2	*
Chester (Sealand)	71	58	55	1	0.5	0.8
Manchester	72	56	55	1	8	*
Spurn Head	68	57	*	0.5	1	1.5
Catterick (Sc)	66	55	51	7	1	0.4
Tynemouth	64	55	53	4	7	*
St. Abbs Head	61	53	*	2	1	*
Leuchars	62	53	50	1	6	0.0
Renfrew (Abbots I.)	62	53	48	11	4	0.0
Eskdalemuir	59	52	50	13	16	0.0
Point of Ayre	68	55	*	10	0.2	0.8
Tiree	60	53	49	4	0.1	0.0
Stornoway	59	54	53	4	0.4	0.1
Dalwhinnie	59	50	46	0.4	4	0.4
Aberdeen †	58	53	46	0.4	2	0.0
Wick	58	51	44	0.3	2	*
Sumburgh	55	52	51	5	8	2.7
Blacksod Point	62	54	*	1	6	*
Malin Head	63	53		9	2	0.0
Aldergrove	64	53		7	3	0.0
Birr Castle	65	54	52	9	1	0.9
Valentia Obsy.	64	55	54	6	1	0.8
Roches Point	63	57	*	1	0.5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 29th August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 30th August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	57528	47458	57	62625	12328	57	02765	28326	54	02954	25225
115				52	62735	16268	52	02843	20467	--	67009	32269
203												
206	52	02956	10258	67	51946	16167	50	01864	20424	8-	02856	22566
210	57	02954	15327	57	22865	12167	52	07866	20118	57	22962	21368
219	62	62626	14468	5-	02843	20556	62	61635	23658	84	02844	61786
230	5-	02947	12267	5-	21846	20358	52	22845	53368	36	02855	22385
245	52	61634	16268	52	05645	17268	5-	05647	20367	84	22265	96654
260	52	22844	19367	57	21745	18458				50	01744	18354
278	62	21626	14268	51	22854	20164	57	02857	20428	86	02845	59525
279	52	62645	19518	--	27902	52628	57	02744	55518	53	02736	25467
285										62	64625	24668
288	87	22684	11064	62	64536	16368	57	05663	20564	51	51867	20357
575	52	51745	20358	86	81845	55386	62	58536	57558	57	01844	61425
301	57	22644	16368	57	22744	19567	54	01844	23564	57	22746	22668
321				57	02745	51527	50	05658	20365	57	02745	20468
290	5-	62648	22368	57	05644	20415	40	01743	22513	8-	51747	20457
292				62	05637	18328	5-	02755	22365	87	22845	22587
310												
614	67	61644	20368	57	05647	58428	50	05642	57512	37	61635	54427

III	13h. G.M.T. 29th August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 30th August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
388	5-	52408	51558	5-	62408	51568	5-	02744	55524	57	51745	55567
334												
340				5-	61947	53568	50	01854	57514	57	21866	56467
136	47	02944	19467	53	01844	20465	5-	22745	20566	86	02963	22915
336												
350				5-	02748	52428	5-	51647	10664	50	02855	22355
368	5-	54428	22358	5-	21648	22358				57	02744	57516
379	5-	05633	20626	5-	05635	55498				57	02745	55526
390	57	05654	20325	53	05643	18427	5-	62537	20468	5-	05657	55567
382	5-	02857	55427	57	02233	51425	57	22835	24468	57	21845	23456
438	87	02754	22617	8-	02648	22628	8-	03648	24648	84	29745	23686
430	5-	02748	21428	5-	54428	19358	5-	51538	57558	57	02744	53425
409	5-	21736	19458	57	02725	52568	5-	61648	55458	53	61746	95927

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

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	c	cbcc	cbccr₀ir₀
Croydon	c	cbcc	cid₀m₀bc
Greenwich	c	cd	creid
Camden Square	c	c	*
Kensington	c	c	*
Hampstead	bc	drbc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. Time 0·1 Whole. Min. Time 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	68	59	56	-	1	1.7	*	*
Croydon	70	60	58	-	0.3	3.6	*	*
Greenwich	72	59	54	1	4		65	68
Westminster	70	59	55		1		88	81
Regents Park	71	59	56	-	2		71	70
Camden Square	72	59	55	-	2	*	*	72
Kensington	72	59	*	—	2		81	73
Hampstead	70	55	53	-	2		*	76

SECRET

Page 1

BRITISH SECTION

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

Tuesday 31st August 1943

No. 29867

OBSERVATIONS at 13h. G.M.T. 30th August

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)	11·3	+6	W	4	c	64	65	50	8	3	3	-	9	9+	1500
	Croydon	11·9	+6	W'S	5	c/pr	66	55	51	8	8	-	-	4-6	9	2500
	S. Farnborough	12·0	+6	W'N	5	c	64	65	51	8	8	7	-	4-6	9	2000
	Boscombe Down	12·9	+6	W	5	c	60	85	54	7	8	-	-	7-8	9+	1800
	Thorney Island	13·2	+14	W'S	4	c	65	65	52	9	7	7	-	7-8	10	2500
	Lympne	11·1	+2	W'N	4	c	66	55	51	8	7	-	-	7-8	9+	1500
	Manston	10·2	+2	W	4	c	64	65	50	8	8	-	-	9	9	4500
	Shoeburyness	10·9	+4	W	2	c	66	55	51	8	7	-	-	9	9	2500
	Felixstowe	08·8	+4	W	5	cbc	67	55	50	8	5	-	-	7-8	7-8	4000
	Gorleston	05·6	0	WNW	5	cq	66	65	52	7	8	-	-	9+	9+	2000
	Mildenhall	08·2	+6	W'S	4	c/pr	63	75	53	8	8	-	-	7-8	10	2500
	Cranwell	07·2	+10	W'N	5	c	62	65	53	8	5	-	-	10	10	2500
3	Birmingham	09·5	+16	WNW	4	c	62	65	50	8	8	-	-	9	9	2500
	Upper Heyford	09·9	+10	W'N	5	c	63	65	51	8	5	7	-	7-8	9	2500
4	Ross-on-Wye	11·8	+14	W'S	6	c	61	75	53	8	8	-	-	9+	9+	3000
5	Hartland Point	14·4	+12	NW	5	cbc	60	85	54	7	2	-	-	7-8	7-8	1200
	Bristol	12·9	+10	W'N	5	c/pr	62	85	56	7	8	-	-	7-8	9+	2000
	Portland Bill	14·0	+8	W	5	c	62	85	59	8	5	7	-	7-8	10	4000
	Plymouth	16·2	+8	W'N	5	c	62	85	58	8	5	-	-	9	9	2000
	The Lizard	17·3	+4	W	6	c	61	75	54	7	5	2	-	7-8	9+	1500
	Scilly (St. Mary's)	18·1	+10	WNW	5	c	62	75	54	8	5	-	-	9+	9+	1200
	Guernsey															
6	Pembroke	13·4	+12	WNW	6	b-bcq	61	85	57	8	2	4	-	2-3	2-3	2500
7	Holyhead (Valley)	11·6	+28	W'N	4	bc	64	65	54	8	2	4	-	2-3	4-6	2000
	Chester (Sealand)	09·3	+22	NW	5	cbc/r	61	75	54	8	2	-	-	7-8	7-8	2000
8	Manchester	09·0	+24	NW	4	c	59	85	54	8	2	-	-	9+	9+	1500
10	Spurn Head	05·1	+8	W	6	cbc	63	75	56	7	2	6	-	7-8	7-8	1600
	Catterick (Sc)	04·7	+18	WNW	5	cbc	64	65	53	8	2	6	-	4-6	7-8	3000
	Tynemouth	02·3	+10	W	8	bc	65	65	53	8	2	-	-	4-6	4-6	3000
11	St. Abbs Head	00·8	+28	W	5	cbc	62	65	49	8	5	4	-	4-6	7-8	3000
	Leuchars	01·8	+34	WNW	5	cbc	65	65	52	9	5	-	-	2-3	7-8	2000
12	Renfrew (Abbots I.)	06·6	+38	WNW	4	bc	62	75	52	8	8	-	-	4-6	4-6	1800
	Eskdalemuir	03·6	+2	NW	5	bc	60	65	48	8	8	4	-	4-6	4-6	2400
	Point of Ayre	08·7	+30	NNW	6	c	62	85	56	8	8	-	-	9	9	2000
13A	Tiree	08·0	+26	WNW	7	b-bc	61	75	52	9	-	1	-	0	2-3	-
13B	Stornoway	04·4	+34	WNW	5	ido	56	85	53	6	5	-	-	10	10	500
15	Dalwhinnie	04·0	+28	NW	3	pr	57	85	52	7	5	-	-	9	9	1500
	Aberdeen	99·8	+28	NW'N	4	cbc/pr	60	85	54	8	8	-	-	7-8	7-8	2500
	Wick	00·5	+30	NNW	5	ido	57	92	53	7	6	-	-	10	10	600
16	Sumburgh	00·1	+34	NNE	5	c	55	75	49	8	5	7	-	7-8	9+	2500
17	Blacksod Point	13·8	+18	WNW	4	cbc	61	75	53	8	8	-	-	7-8	7-8	1500
18	Malin Head	09·6	+30	NW	5	cbc/pr	59	85	54	8	8	-	-	7-8	7-8	1500
	Aldergrove	09·8	+24	W'N	4	c	61	75	53	9	5	-	-	9	9+	2000
19	Birr Castle	13·6	+22	W'N	2	cbc	62	75	54	8	4	-	-	7-8	7-8	1500
20	Valentia Obsy.	17·5	+14	W'N	4	c/pr	59	85	54	8	5	-	-	9+	9+	1500
	Roches Point	15·2	+12	WNW	5	cbc	64	75	56	8	5	-	-	7-8	7-8	500

OBSERVATIONS at 18h. G.M.T. 30th August

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)	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)	13·3	+12	WNW	4	c	65	65	51	8	8	-	-	9	9	2500	1	•
Croydon	14·1	+14	W'S	5	c-bc	64	65	53	8	5	-	-	7-8	7-8	4000	0	•
S. Farnborough	13·9	+14	WNW	4	bc	64	65	53	8	8	6	-	4-6	4-6	2500	0	•
Boscombe Down	15·0	+14	W'N	3	bc	62	75	55	8	8	7	-	4-6	4-6	2000	0	•
Thorney Island	15·1	+16	W'N	4	c	63	75	55	9	7	7	-	4-6	9	2500	0	•
Lympne	12·7	+14	W	3	bc	64	65	52	8	4	-	-	4-6	4-6	6700	0	§4
Manston	11·9	+22	W	4	bc	65	55	50	8	7	-	-	4-6	4-6	5000	0	•
Shoeburyness	12·5	+14	W	4	c-bc	66	65	52	8	5	7	-	7-8	7-8	4000	0	•
Felixstowe	11·5	+22	W	5	bc	66	65	55	8	7	6	-	2-3	4-6	2500	0	4
Gorleston	09·6	+34	NW'W	4	bc	66	65	53	7	2	-	-	4-6	4-6	2500	0	3
Mildenhall	10·9	+18	WNW	5	b	64	55	50	8	2	-	-	1	1	4000	0	•
Cranwell	10·6	+22	WNW	5	c-bc	61	75	52	7	2	4	-	7-8	7-8	2500	0	•
Birmingham	13·4	+18	NW	3	o	61	65	45	8	5	-	-	10	10	4000	1	•
Upper Heyford	12·6	+14	W'N	4	c-bc	62	75	53	9	8	-	-	4-6	7-8	2500	0	•
Ross-on-Wye	14·4	+14	W	4	bc	62	65	50	8	4	-	-	4-6	4-6	3000	0	•
Hartland Point	16·7	+12	NW	5	bc	60	85	56	7	4	6	-	2-3	4-6	2500	1	4
Bristol	15·7	+14	W'N	4	c	61	85	57	8	8	-	-	4-6	9	1500	1	•
Portland Bill	16·4	+12	W	5	c	62	85	59	8	5	-	-	10	10	4000	1	5
Plymouth	17·8	+2	WNW	5	bc	61	85	56	8	8	4	-	4-6	4-6	2500	0	3
The Lizard	19·6	+18	WNW	5	cbc	59	85	54	7	5	3	-	7-8	7-8	1500	0	4
Scilly (St. Mary's)	19·5	+10	WNW	5	c	60	75	52	8	8	-	-	9+	9+	1300	0	5
Guernsey																	
Pembroke	16·3	+10	WNW	6	c-bc	60	92	58	8	8	-	-	7-8	7-8	2500	0	4
Holyhead (Valley)	14·2	+10	W	4	bc	62	75	53	8	2	3	-	1	4-6	3000	1	4
Chester (Sealand)	13·1	+22	NW	4	c-bc	62	65	50	8	5	-	-	7-8	7-8	4000	0	•
Manchester	12·2	+16	NW'W	4	c-bc	59	75	52	8	2	6	-	4-6	7-8	2000	1	•
Spurn Head	08·0	+12	WNW	6	b-bcq	63	75	53	8	1	-	-	2-3	2-3	1500	0	4
Catterick (Sc)	09·3	+26	W	5	b-bc	61	75	52	9	5	-	-	2-3	2-3	4000		•
Tynemouth	08·3	+24	W	6	bcq	64	65	52	8	2	3	-	2-3	4-6	3000	1	3
St. Abbs Head	06·5	+24	W	5	c-bc	61	65	50	8	5	6	-	4-6	7-8	3000	0	4
Leuchars	06·7	+26	W	5	bc	63	65	52	9	4	-	-	4-6	4-6	2500	0	•
Renfrew (Abbots I.)	01·0	+24	WNW	4	c-bc	59	75	50	8	4	-	-	7-8	7-8	1800	1	•
Eskdalemuir	09·3	+30	NW	6	bc	55	75	46	8	5	-	-	4-6	4-6	2100	1	•
Point of Ayre	12·5	0	N'W	4	bc	60	85	53	8	8	4	-	2-3	4-6	1800	0	4
Tiree	11·3	+16	NW	5	pr	56	85	53	8	8	6	-	9	9+	2000	1	3
Stornoway	08·9	+18	NNW	2	ido	56	92	53	6	5	-	-	9+	9+	1600	0	1
Dalwhinnie	08·8	+30	WNW	2	c	55	85	49	8	5	-	-	9+	9+	1500	1	•
Aberdeen	05·4	+28	NW	4	c	59	75	51	8	4	-	-	9+	9+	2500	1	2
Wick	07·1	+48	NW'N	2	c	55	92	52	8	5	7	-	4-6	9	2000	0	•
Sumburgh	05·0	+30	NNE	5	c-bc	53	75	46	8	8	3	-	7-8	7-8	2500	1	4
Blacksod Point	15·9	+10	W'S	3	c	58	85	53	8	8	-	-	9+	9+	1500	1	3
Malin Head	12·5	+14	W	4	pr	57	85	52	8	8	-	-	4-6	4-6	1500	1	4
Aldergrove	13·4	+18	WNW	2	c/pr	59	75	52	9	5	-	-	9+	9+	2000	1	•
Birr Castle	15·5	+8	WSW	3	c-bc	61	75	53	8	4	-	-	7-8	7-8	1500	1	•
Valentia Obsy.	18·8	0	W	4	pr	57	92	55	7	5	-	-	9+	9+	800	1	4
Roches Point	17·6	+10	NNW	4	bc	61	85	56	9	5	-	-	4-6	4-6	2500	1	3

PAST 24 HOURS.

Stations	Weather 7h.–13h. 30th (39)	Weather 13h.–18h. 30th (40)	Weather 18h 30th to 1h. 31st (41)	Weather 1h.–7h. 31st (42)
London (Kew)	bcciroc	c	bw	bbcmow
Croydon	bcpro	c	cbcb	bbcwcmo
S. Farnborough	cbcc	cbc	bcb	bbccwcmo
Boscombe Down	cdocproc	cbc	bcbwmo	bmowbbc
Thorney Island	cproc	c	b	cw
Lympne	c	cybc	bw	bw
Manston	cprobcycy	bcy	bcb	bwmo
Shoeburyness	cbccy	cyc	c	cbcc
Felixstowe	bcc	cyoc	bcb	b
Gorleston	cq	cbc	bcb	bbccwzo
Mildenhall	cbcproc	cbc	bcybcb	bbmow
Cranwell	cidomoc	cbcc	b	bcmocmo
Birmingham	cbcc	cbc	cbc	bc
Upper Heyford	cbcc	ccvpro	bcvb	bbcc
Ross-on-Wye	bcpocc	ccbc	cvbcb	bccbc
Hartland Point	cbc	bc	bcc	bcc
Bristol	cmoiro cpro	ccpro prc	cmow	c,bc,bmow
Portland Bill	c	c	c	c
Plymouth	cproc	cbc	bbc	bcodew
The Lizard	c	cbcc	c	c
Scilly (St. Mary's)	cpoqc	c	c	c
Guernsey				
Pembroke	cbcq	bcqc	bc	bcc
Holyhead (Valley)	cbc	bccbc	bccc	bcbw
Chester (Sealand)	cidoro	cbc	c,bc	c
Manchester	iro ido iro	c	prcmo	bccmow
Spurn Head	cbc	bcq	bc	b
Catterick (Sc)	bcc	bc	b	bcc
Tynemouth	bcq	bcq	bcq	bcc
St. Abbs Head	bccbc	bcc	bcc	cmo
Leuchars	bcc	bccbc	bcbw	bwbcc
Renfrew (Abbots I.)	bcc	c	cidobc	bccbc
Eskdalemuir	cbcbc	bcbc	bcbcc	bcc
Point of Ayre	bbc	cbc	c	c
Tiree	bccprocbc	pr	ccido	cidocb
Stornoway	cidoc	cidomo	cmocddmo	ccidod
Dalwhinnie	cpr	cmpr	•	coc
Aberdeen	cprocprc	c	cciroc	c
Wick	ccido	cido	bcb	bbcb
Sumburgh	cdddodoc	cbcc	cbccido	cidocbc
Blacksod Point	c	bc	d	d
Malin Head	pr	pr	bc	r
Aldergrove	c	ccproc	cbcc	c
Birr Castle	pr	c	•	r
Valentia Obsy.	pr	pr	pr	r
Roches Point	pr	bc	c	d

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 31st August, 1943.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Light to moderate westerly to southwesterly winds; fair at first, occasional rain spreading from west, but amounts very small in Southeast; rather cool.
11 S.E. Scotland	Light variable winds becoming light to moderate southwesterly; fair at first, occasional rain later; rather cool.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland	Moderate to fresh South to southwest winds; cloudy with rain spreading from west, bright intervals later; rather cool.
14 Mid Scotland; 15 N.E. Scotland	As 11
16 Orkneys and Shetlands	As 11.
17 N.W. Ireland; 18 N.E. Ireland; 19 S.E. Ireland; 20 S.W. Ireland	Moderate or fresh South to southwest winds; cloudy with occasional rain, bright intervals later; rather cool.

GENERAL INFERENCE

A ridge of high pressure over Britain is moving east and a trough of low pressure west of Ireland will move across the country. Weather will be fair at first over Britain but rain will spread from Ireland to all districts, amounts being small in the Southeast however. It will be generally rather cool.

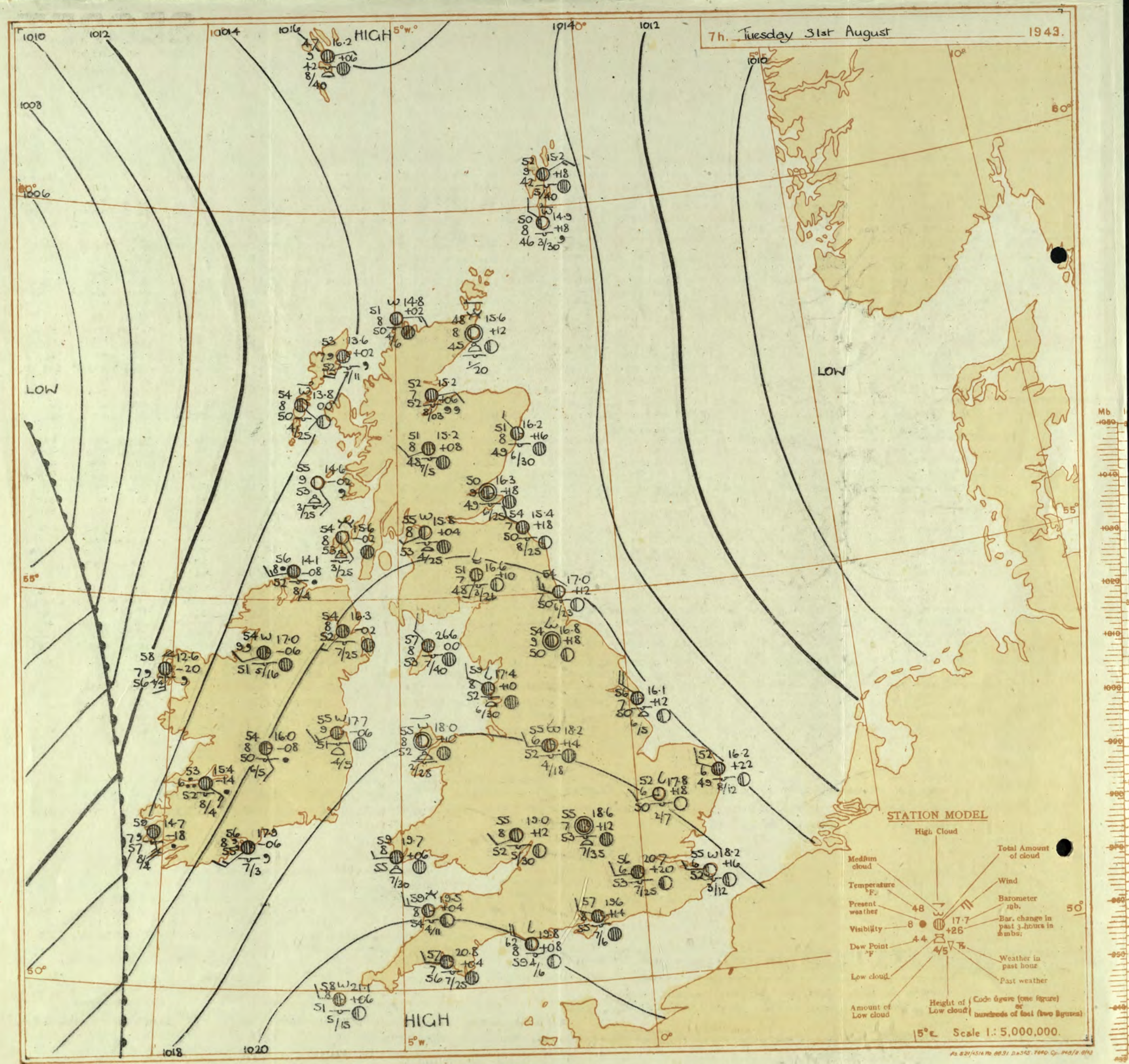
FURTHER OUTLOOK

A mainly fair period, but an early return to unsettled southwesterly conditions probable.

Forecasts issued at 10.30.

NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Tuesday 31st August 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

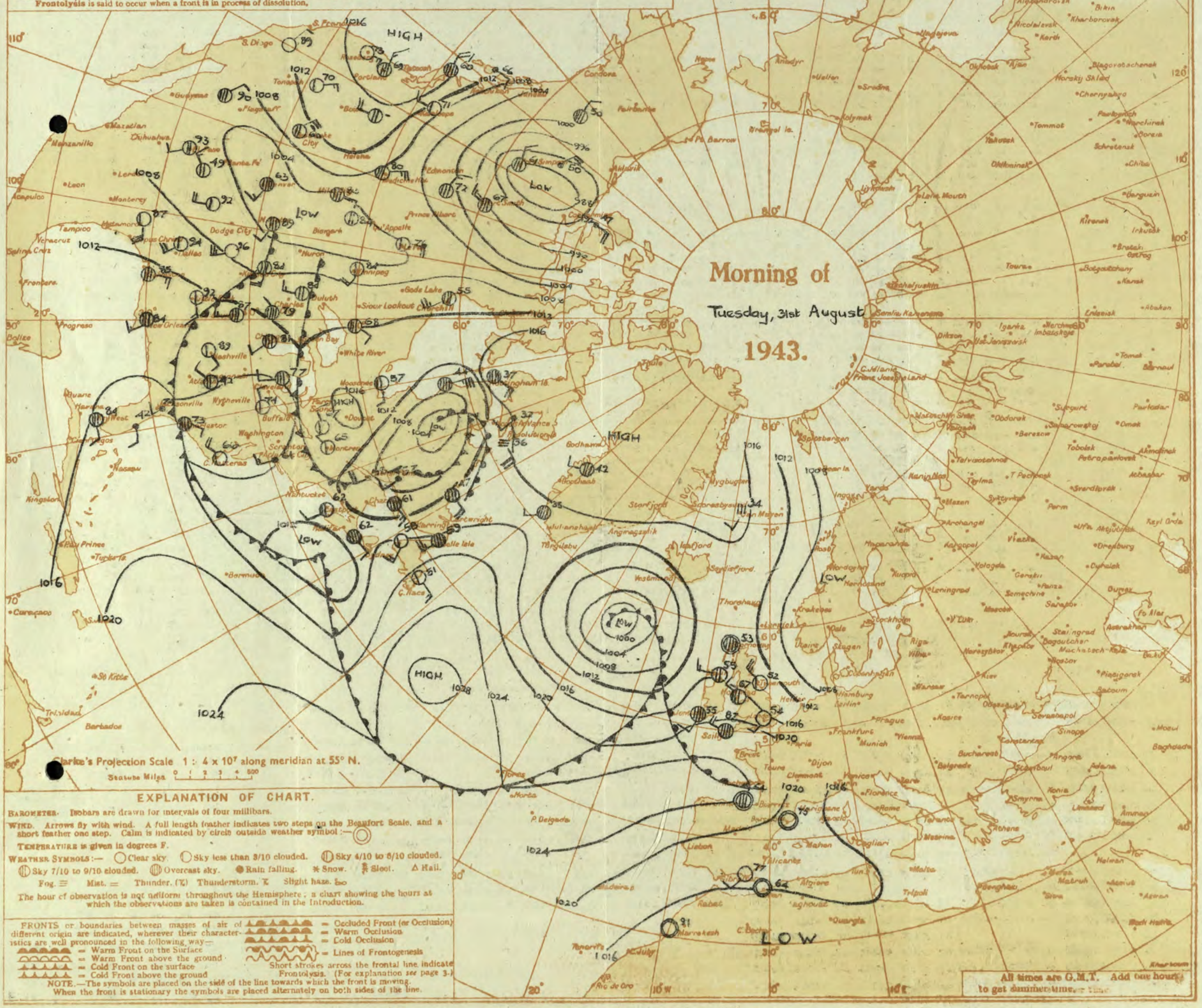
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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

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

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

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

All times are G.M.T. Add one hour to get summer time.

BRITISH SECTION

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

Tuesday 31st August 1943

No. 29867

OBSERVATIONS at 1 hr. G.M.T. 31st August

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	56	*	*	*	*	*	*	*	*	*
	Croydon	290	17.7	+6	SW	1	b	54	92	52	7	–	–	–	0	0	–
	S. Farnborough	226	17.7	+8	W'N	2	b	53	92	51	7	–	–	–	0	0	–
	Boscombe Down	417	18.1	+6	W	1	z_0	58	97	52	6	–	–	–	0	0	–
	Thorney Island	10	18.2	+8	WNW	2	b	55	92	55	7	–	–	–	0	0	–
	Lympne	283	16.9	+8	NNW	3	b	51	92	51	8	–	–	–	0	0	–
	Manston	154	16.3	+12	W	3	b	55	92	52	8	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	15.2	+10	W	4	b	59	73	51	7	–	–	–	0	0	–
	Gorleston	5	13.1	+10	NW'W	2	b	55	85	50	7	–	–	–	0	0	–
	Mildenhall	15	15.2	+12	WSW	3	b	52	85	49	8	5	–	–	Tr	Tr	2500
	Cranwell	203	15.0	+16	W'S	2	b	53	92	51	7	–	–	–	0	0	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16.7	+12	WSW	3	b	50	92	49	8	5	–	–	Tr	Tr	5700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18.8	+6	WNW	4	bc	59	92	57	8	5	4	–	4-6	4-6	2500
	Bristol	209	18.1	+6	W	2	z_0	58	97	57	6	5	–	–	9	9	4000
	Portland Bill	32	18.4	+6	W	4	c-bc	60	85	56	8	5	–	–	7-8	7-8	4000
	Plymouth	86	20.2	+2	W	2	b-bc	57	97	56	7	5	–	–	2-3	2-3	2000
	The Lizard	240	20.8	+6	WNW	3	c	57	89	53	7	5	–	–	10	10	1500
	Scilly (St. Mary's)	163	20.7	0	W'N	4	c	57	85	52	8	5	–	–	10	10	1500
	Guernsey	175															
6	Pembroke	142	19.1	+6	NNW	3	b-bc	59	92	55	8	2	4	–	1	2-3	2500
7	Holyhead (Valley)	32	17.4	+12	NW	2	c-bc	57	85	54	8	5	3	–	4-6	7-8	4000
	Chester (Sealand)	16	16.4	+14	NW'W	2	c-bc	57	85	52	8	5	–	–	7-8	7-8	3500
8	Manchester	230	15.8	+12	W'N	2	z_0	54	97	53	6	5	3	–	2-3	4-6	2500
10	Spurn Head	29	13.3	+14	WNW	5	b-bc	58	85	52	7	1	–	–	2-3	2-3	1500
	Catterick (Sc)	192	14.0	+20	W	4	b	55	85	49	8	–	4	–	0	1	–
	Tynemouth	108	13.4	+18	NW	5	b-bcq	53	85	49	7	2	–	–	2-3	2-3	2500
11	St. Abbs Head	280	11.2	+18	WNW	5	c	56	75	48	7	5	–	–	9	9	4000
	Leuchars	36	12.8	+26	SSW	1	b-bc	53	85	49	8	5	–	–	2-3	2-3	2500
12	Renfrew (Abbots I.)	19	14.2	+8	SW	2	z_0	53	92	51	6	5	–	–	7-8	7-8	1200
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	15.7	+14	NNW	4	c-bc	58	85	53	8	5	7	–	2-3	7-8	2000
13A	Tiree	44	14.5	+10	W	2	id_0	58	97	58	7	5	–	–	10	10	1200
13B	Stornoway	12	13.3	+20	–	0	dd	53	97	53	6	5	–	–	10	10	1000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	12.6	+24	NW	1	c-bc	52	92	49	8	5	–	–	7-8	7-8	2300
	Wick	114	12.7	+20	N	2	b-bc	48	92	46	7	–	6	–	0	2-3	–
16	Sumburgh	19	11.0	+26	N'W	3	id_0	51	85	46	8	5	–	–	9+	9+	2500
17	Blacksod Point	18	16.3	+2	W'S	3	d_0d_0	56	85	52	7	6	2	–	4-6	10	1500
18	Malin Head	84	14.9	+6	W	3	bc	55	85	51	8	8	3	–	4-6	4-6	1500
	Aldergrove	268	16.4	+10	WSW	2	c	55	85	52	8	5	–	–	9	9	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18.8	-4	S'W	2	c	55	85	51	8	5	–	–	10	10	2500
	Roches Point	22	19.6	+6	NW'W	3	b	54	97	54	8	5	–	–	1	1	2500

OBSERVATIONS at 7 hr. G.M.T. 31st August

Stations	Barom. at M.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)	19.3	+12	WSW	1	z_0	56	85	52	6	5	–	–	9+	9+	4000	1	*
Croydon	20.7	+20	W	2	c	56	92	53	6	5	–	–	9+	9+	5500	0	*
S. Farnborough	19.5	+14	–	0	z_0	55	97	54	6	5	7	–	7-8	9+	4000	1	*
Boscombe Down	19.6	+8	WNW	1	b-bc	55	97	54	6	5	3	–	1	2-3	500	0	*
Thorney Island	19.6	+14	WNW	2	c	57	92	55	8	5	–	–	9+	9+	4000	0	*
Lympne	19.3	+14	NW	2	bc	51	97	51	8	–	7	–	0	4-6	–	0	§2
Manston	18.2	+16	W'N	2	z_0	55	85	52	6	5	3	–	2-3	4-6	1200	0	*
Shoeburyness	18.8	+10	W	2	c-bc	58	85	52	6	–	3	–	0	7-8	–	0	*
Felixstowe	17.2	+14	W	3	b	55	85	51	7	–	–	–	0	0	–	0	3
Gorleston	16.2	+22	WNW	2	z_0	52	92	49	6	5	–	–	10	10	1200	0	2
Mildenhall	17.8	+18	W'S	2	z_0	52	92	50	6	5	4	–	1	1	5700	0	*
Cranwell	17.5	+16	W'S	2	z_0	52	92	50	6	–	3	–	0	7-8	–	0	*
Birmingham	19.3	+16	W	2	z_0	55	85	51	6	–	3	–	0	7-8	–	1	*
Upper Heyford	18.6	+12	–	0	c	55	92	53	7	7	–	–	9+	9+	3500	0	*
Ross-on-Wye	19.0	+12	SW'W	2	c-bc	55	85	52	8	5	–	–	7-8	7-8	3000	0	*
Hartland Point	19.5	+4	WNW	3	c	59	92	57	8	5	6	–	4-6	9	1100	0	3
Bristol	19.7	+10	WSW	2	z_0	57	97	56	6	5	4	–	1	1	5000	1	*
Portland Bill	19.8	+8	NW	4	c-bc	62	85	59	8	5	4	–	4-6	7-8	4000	1	4
Plymouth	20.8	+4	W'N	2	c	57	97	56	7	5	–	–	9+	9+	2500	1	1
The Lizard	21.4	+4	WNW	3	c	57	85	52	8	5	–	–	9+	9+	1500	1	3
Scilly (St. Mary's)	21.1	+6	W	2	c	58	75	51	8	5	3	–	7-8	9	1500	0	4
Guernsey																	
Pembroke	19.7	+6	W	1	c	59	85	55	8	2	–	–	9+	9+	3000	0	2
Holyhead (Valley)	18.0	+10	–	0	bc	55	97	54	8	8	3	1	1	4-6	2800	1	1
Chester (Sealand)	18.0	+14	–	0	c-bc	56	85	52	8	5	3	–	4-6	7-8	3500	0	*
Manchester	17.5	+10	WNW	2	z_0	56	92	54	6	8	–	–	9	9	2500	0	*
Spurn Head	16.1	+12	NW	4	c	56	85	50	7	7	–	–	9	9	2500	0	3
Catterick (Sc)	16.8	+18	–	0	c-bc	54	85	50	9	–	5	–	0	7-8	–	0	*
Tynemouth	17.0	+12	WNW	3	c	54	85	50	7	5	–	–	9	9	2300	1	3
St. Abbs Head	15.4	+18	WNW	2	c	54	85	50	7	5	–	–	10	10	2500	0	3
Leuchars	16.3	+18	–	0	c	50	97	49	9	5	–	–	9	9	2500	0	*
Renfrew (Abbots I.)	15.8	+4	SW	1	bc	55	92	53	8	7	3	–	4-6	4-6	2500	1	*
Eskdalemuir	16.6	+10	S'W	1	c	51	92	48	7	5	9	–	2-3	9	2100	1	*
Point of Ayre	16.6	0	NW	2	c	57	85	53	8	5	–	–	9+	9+	4000	0	2
Tiree	14.6	-2	SSE	3	b-bc	55	92	53	9	8	–	–	2-3	2-3	2500	1	3
Stornoway	13.6	+2	SSW	3	id_0	53	97	52	7	5	–	–	9+	9+	1100	1	1
Dalwhinnie	15.2	+8	SW	2	c	51	92	48	8	5	–	–	9+	9+	2500	0	*
Aberdeen †	16.2	+16	NW	1	c	51	92	49	8	5	–	–	9	9	3000	1	1
Wick	15.6	+12	–	0	b-bc	48	97	48	8	8	6	5	Tr	2-3	2000	1	*
Sumburgh	14.9	+18	NW	2	bc	50	85	46	8	5	3	5	2-3	4-6	3000	0	1
Blacksod Point	12.6	-20	S	3	id_0	58	92	56	7	6	2	–	4-6	10	1500	1	3
Malin Head	14.1	-8	W	3	ir_0	56	85	52	8	5	–	–	10	10	1500	2	3
Aldergrove	16.3	-2	SSW	1	c	54	92	52	8	5	–	–	9+	9+	2500	1	*
Birr Castle	16.0	-8	SSE	2	c	54	85	50	8	5	–	–	9	9	2500	1	*
Valentia Obsy.	14.7	-18	S'E	5	id_0	59	92	57	7	5	–	–	10	10	1500	1	4
Roches Point	17.9	-6	SSW	3	id	56	97	56	8	5	–	–	9+	9+	800	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 30th Hrs. (38)
London (Kew)	65	51	37	Tr	–	2.7
Croydon	66	51	44	Tr	Tr	2.7
S. Farnborough	66	50	39	0.2	Tr	3.3
Boscombe Down	64	51	47	Tr	–	4.0
Thorney Island	67	53	46	Tr	–	*
Lympne	67	47	*	–	–	7.0
Manston	67	51	47	Tr	–	9.0
Shoeburyness	69	53	43	–	–	[illegible]
Felixstowe	69	53	50	–	–	5.1
Gorleston	69	51	47	–	–	5.3
Mildenhall	67	49	45	Tr	Tr	5.7
Cranwell	66	49	44	Tr	–	5.1
Birmingham	65	52	44	–	–	3.3
Upper Heyford	65	49	42	Tr	–	*
Ross-on-Wye	65	54	50	Tr	–	3.1
Hartland Point	61	58	55	–	–	6.9
Bristol	67	54	46	0.1	–	1.0
Portland Bill	62	59	*	–	–	*
Plymouth	63	56	50	Tr	–	4.0
The Lizard	62	56	*	Tr	–	3.0
Scilly (St. Mary's)	63	56	*	Tr	–	1.4
Guernsey						
Pembroke	65	57	*	Tr	–	6.2
Holyhead (Valley)	65	51	46	–	–	*
Chester (Sealand)	65	56	50	0.5	–	5.7
Manchester	62	53	39	0.3	Tr	*
Spurn Head	66	55	*	–	–	5.8
Catterick (Sc)	65	50	44	–	–	8.5
Tynemouth	67	53	50	–	–	*
St. Abbs Head	63	53	*	–	–	*
Leuchars	66	49	44	Tr	–	8.5
Renfrew (Abbots I.)	63	53	49	0.1	Tr	4.8
Eskdalemuir	61	50	41	0.1	–	8.3
Point of Ayre	62	56	*	–	–	7.0
Tiree	61	52	50	0.2	0.2	5.3
Stornoway	59	52	51	Tr	3	0.3
Dalwhinnie	58	48	45	!	–	2.8
Aberdeen †	63	48	37	0.6	0.3	3.0
Wick	60	43	37	0.1	–	*
Sumburgh	57	48	43	0.4	Tr	3.2
Blacksod Point	62	54	*	0.3	Tr	*
Malin Head	60	54		Tr	1	6.9
Aldergrove	62	51	49	Tr	–	2.4
Birr Castle	65	53	51	0.2	0.2	3.5
Valentia Obsy.	60	53	51	0.1	0.3	1.3
Roches Point	65	53	.	0.1	0.1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 30th August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 31st August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	01728	05428	57	02855	32466	5-	01753	28213	53	01853	05103
115	52	09635	28468	--	67109	04368	57	02844	04266	53	02864	08325
203				5-	03948	28228						
206	74	01953	59514	86	01963	27413	5-	52848	00068	5-	21728	08258
210	2-	25854	59486	8-	02857	57527	5-	02854	01258	5-	02844	13255
219	86	02843	27526	8-	02846	29416	8-	02845	18258	53	02854	12215
230	8-	0295-	57425	80	10857	57427	8-	02856	00087	53	02954	00025
245	26	01954	26384	46	01963	26413	44	01853	30114	53	02865	00027
260	8-	02855	26415	20	01863	57613	53	05653	20214	53	01763	20114
276				86	02844	59515	50	01854	24324	54	02865	00025
279	87	02956	24626	8-	02945	57325	57	02855	22215	57	02855	23127
285	23	81745	26686	23	01854	26615				27	05637	21428
288	10	01964	56514	46	01953	59513	04	01890	24313	57	02856	24217
575	8-	02866	57426	9-	02855	61325	5-	24757	24157	53	51945	20227
301	26	02845	27565				8-	02847	25387	74	02866	27227
321	86	02755	26465	80	01754	58514	00	00790	26300	53	05674	00025
290	80	01744	24515	80	01753	24513	44	01753	24413	50	01755	26315
292	⊢	02955	59585	40	01954	61326	40	01852	24212	5-	02866	00026
310	--											
614	86	25745	56485	10	05654	24424	50	05654	23224	54	05655	22125

III	13h. G.M.T. 30th August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 31st August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
388	13	01854	26454	26	01853	25314	5-	01754	24114	13	01844	00014
334	--	02645	26416	--	02643	26414						
340	5-	81855	26455	8-	02955	26225	50	01861	22211	54	01851	24212
136	7-	02943	23667	70	01763	26614	50	01761	24311	5-	02767	28327
336	52	22646	28568	50	01764	24414				53	01753	24314
350	77	02856	55587	77	01863	26424	00	00790	22300	53	02763	23207
368	8-	25734	59588	54	02854	24425	54	01752	00013	03	05690	26115
379	5-	02845	57667	70	01864	57584	00	00790	22210	5-	02745	26124
390	8-	05665	55325	56	02764	55425	00	00790	20220	04	05690	22201
382	86	25845	58486	46	01964	58424	04	01890	22111	5-	02767	00027
438	87	02746	26618	57	02753	26615	00	00790	26300	57	02765	30217
480	5-	02847	65427	6-	02845	22326	03	01790	24102	57	02763	00028
409	5-	02856	59526	54	02846	59527	5-	02748	25428	5-	02947	24227

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 31st August
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	$bcci r_0 c$	c	bwcmw
Croydon	$bcpr_0$	c	$cbcwcm_0$
Greenwich	c	c	$bwcm_0$
Camden Square	c	c	*
Kensington	bcc	cbc	*
Hampstead	bc	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew [illegible] hours e[illegible] 7h. Max. Time <0.1 Whole Min. Time of Period.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	65	51	37	Tr	–	2.7	*	*
Croydon	66	51	44	Tr	Tr	2.7	*	*
Greenwich	67	51	39	–	–	2.9	59	71
Westminster	67	57	44		–		73	86
Regents Park	66	51	45	–	–		61	77
Camden Square	66	51	46	–	–	*	*	75
Kensington	67	51	42	–	Tr		67	76
Hampstead	65	49	45	–	–		*	77