M.O. Form 2373

SECRET

N.Z. METEOROLOGICAL OFFICE
LIBRARY

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

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.		

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 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

miral ort's al 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
	ches 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

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

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

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

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

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

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

Cloud Form Abbreviations

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

Cloud Amount — Columns 13, 14, 28, 29

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

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

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

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

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

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

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

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.

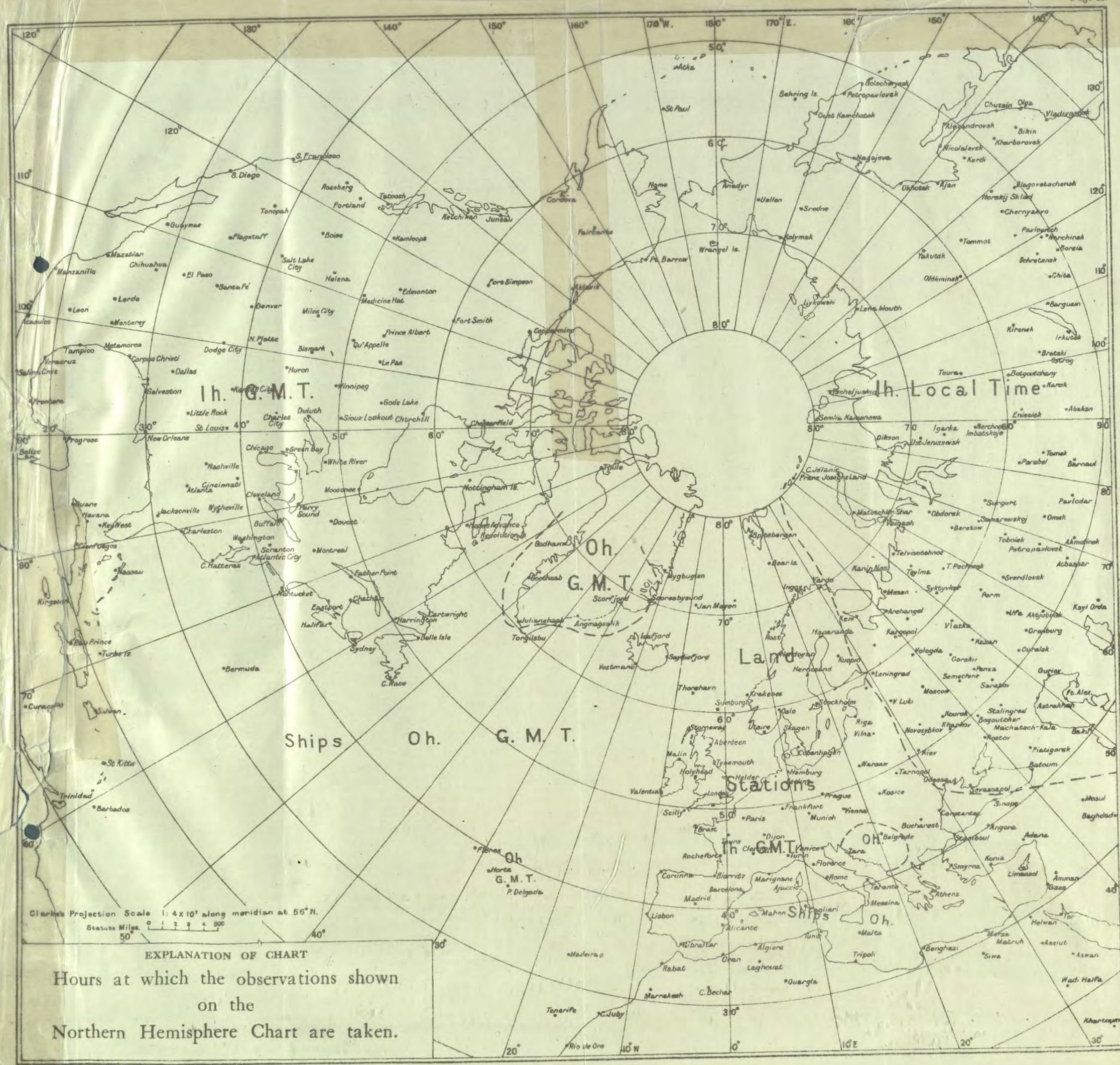
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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.

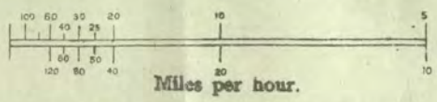
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the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

METEOROLOGICAL OFFICE
-4 AUG 1971
AIR MINISTRY

DUPLICATE SECRET

THE DAILY WEATHER REPORT

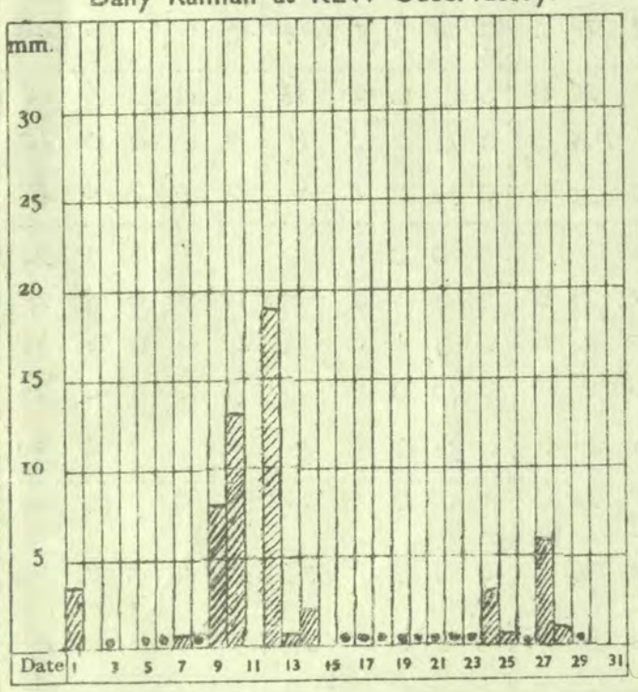
MONTHLY SUPPLEMENT

OF THE METEOROLOGICAL OFFICE, LONDON SEPTEMBER 1943 No. 321

Unsettled; rather wet

Cyclonic conditions prevailed over the British Isles for the greater part of the month. The centres of the depressions usually passed well to the north of Britain but the systems were generally very extensive and the associated fronts brought periods of continuous rain or drizzle alternating with showers and fair intervals. From the 9th to 14th however pressure was high to the N.E. of Britain while a large depression over the Bay of Biscay moved slowly north and the strong S.E'ly gradient caused thundery conditions to spread northwards over the country. The warmest days of the month occurred during this period, maxima over 70°F being common in the South. Thorney Island reached 78° (12th) and Croydon 77° (11th), while maxima around 67° were recorded in Scotland. Rather general thunderstorms caused some notable falls in the South — 31mms at Ross (12th) 24mms at Cranwell (10th) and 22mms at Shoeburyness (12th); the storms were frequently accompanied by fog, visibility during the period being poor. A westerly type was renewed on the 15th and on the 19th a large intense depression near Iceland moved E.S.E towards Denmark causing polar air in its rear to flood the country by the 21st; a cold anticyclone over the Atlantic maintained cold conditions over Britain until the 28th. Day maxima during this spell were rarely over 55°F. Direct northerlies on the 26th produced the coldest night of the month when minima around 35°F and bad ground frosts were widespread. Screen frosts were reported from Scotland and Eskdalemuir recorded a screen min. of 23°F. On the 27th a vigorous depression N.W. of Scotland moved rapidly S.E. and was accompanied by general rain and strong winds with gales in western districts and sleet in central Scotland, Aberdeen recording 32mms of rain. On the 29th another large depression moved eastward across Iceland and brought milder conditions with drizzle and fog to western districts; these conditions covered the country by the 30th and brought the cold spell to an end. Gales were reported from N.W. Scotland on the 4th, 15th and in western districts of Britain on the 27th and 28th. Morning fog or mist was fairly frequent and ground frosts occured locally on the 9th and were common during the cold spell.

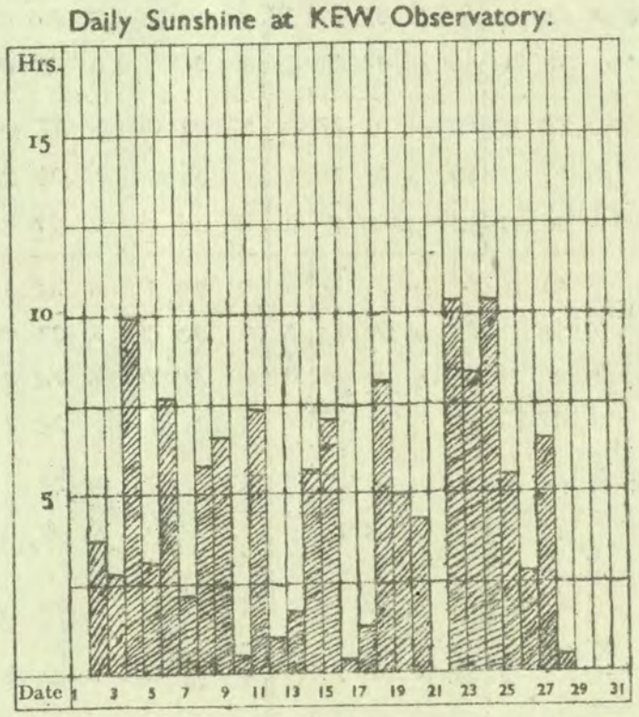
Daily Rainfall at KEW Observatory.



● = less than 0·5 mm.

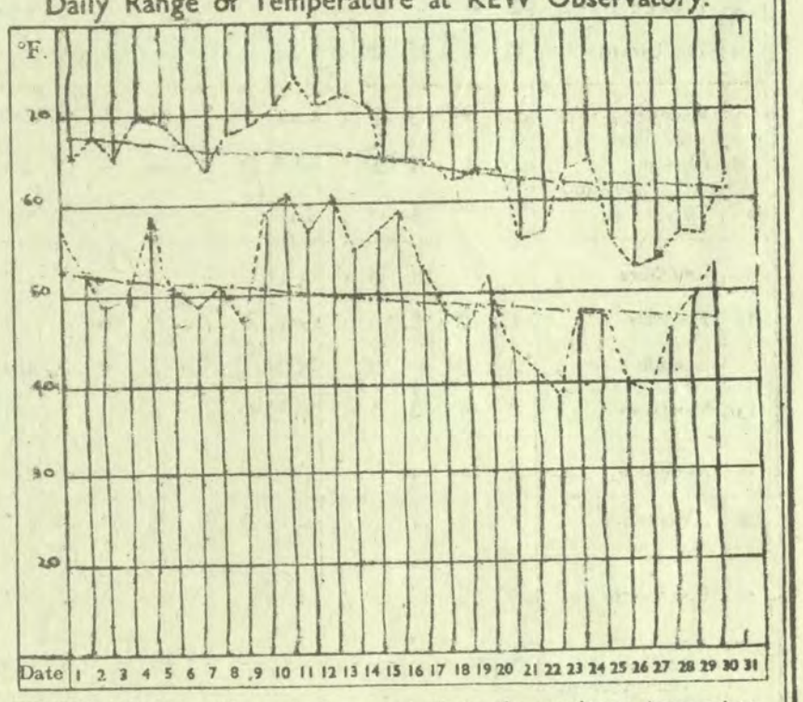
RAINFALL. Total for Month. 57·4 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 130 hrs.

Daily Range of Temperature at KEW Observatory.



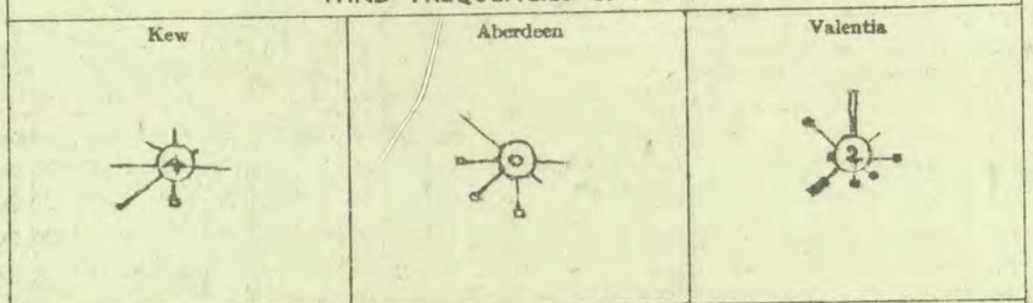
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb	mb.	°F.	°F.
Kew	1012·7	-4·7	57·5	-1·0
Aberdeen	1011·8	-2·7	53·0	-0·2
Valentia	1015·8	-0·5	55·6	-1·0

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

WIND FREQUENCIES at 7 hr.



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

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

	miles.
Kew ...	4829
Aberdeen ...	5446
Lerwick ...	13402
Valentia ...	*

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District.	Stations.	† Temperature. Number of daily readings within fixed limits. Maximum. 42° to 50°	51° to 59°	60° to 68°	69° to 77°	78° to 86°	Average Maximum.	Minimum. 24° to 32°	33° to 41°	42° to 50°	51° to 59°	60° to 68°	Average Minimum.	Extremes—Warmest and Coldest. Days. Highest Max.	Date.	Lowest Max.	Date.	Nights. Highest Min.	Date.	Lowest Min.	Date.	Number of Ground Frosts.
							°F.						°F.	°F		°F.		°F.		°F		
1	London ... (Kew Obsy).	0	7	15	8	0	65·7	0	4	11	13	2	51·3	74	11	53	27	61	11, 13	40	26	5
	Croydon ...	0	7	11	12	0	65·6	0	4	11	13	2	50·5	77	11	55	21, 26, 27	61	13	35	22, 27	2
	Thorney Island	0	4	16	9	1	65·2	0	5	13	11	1	52·2	78	12	56	21	60	13	33	24	1
	Lympne ...	*	*	*	*	*	64·1	0	3	15	10	2	50·3	72	8	64	1	61	13	37	27	0
2	Shoeburyness ..	0	6	11	13	0	66·5	0	4	10	13	3	50·5	75	13	56	27	62	11	37	27	0
	Gorleston ...	0	7	20	3	0	64·2	0	0	11	14	5	52·0	70	6, 13	52	27	61	11, 13	42	23	0
	Cranwell ...	0	7	17	6	0	64·1	0	6	12	12	0	48·2	75	14	54	27	59	10	38	27	0
3	Birmingham ... (Edgbaston)	0	9	18	3	0	62·8	0	2	16	11	1	49·7	72	13	53	26	60	13	39	27	3
4	Ross-on-Wye...	0	6	18	6	0	64·3	0	7	11	11	1	49·2	74	13	53	27	61	13	35	22	2
5	The Lizard ...	0	8	22	0	0	*	0	0	3	21	0	*	66	11, 13	54	26	59	14	44	27	*
7	Holyhead ... (Valley)	0	9	19	2	0	60·8	0	1	15	14	0	52·7	73	12	53	27	59	13, 14	38	27	0
8	Chester ... (Sealand)	0	9	18	3	0	63·5	0	2	14	14	0	48·1	71	11	53	27	59	13	34	22	2
10	Tynemouth ...	1	13	16	0	0	60·3	0	3	10	17	0	50·1	68	14	50	27	56	11, 13, 14, 24,	35	27	0
11	Leuchars ...	.	9	20	0	0	60·6	1	4	14	11	0	45·8	68	1	49	26	56	11, 14	31	27	3
12	Renfrew ...	1	10	19	0	0	60·4	2	7	8	13	0	45·6	67	9	50	27	58	14	28	27	3
	Eskdalemuir ...	2	17	11	0	0	58·0	2	9	12	6	0	43·4	60	9	47	27	55	14	23	27	11
13B	Stornoway ...	3	14	13	0	0	56·8	0	8	12	10	0	47·1	65	11	47	26	55	12	37	6, 26, 27	*
15	Aberdeen ...	2	14	14	0	0	59·3	0	7	12	11	0	47·1	68	9	48	26	56	14	35	27, 28	1
18	Aldergrove ...	1	14	15	0	0	60·8	0	4	16	10	0	47·9	66	9	47	22	56	12	35	27	1
19	Birr Castle ...	0	9	21	0	0	61·7	1	2	12	15	0	47·9	67	11	50	27	58	13	30	27	1
20	Valentia ... (Cahirciveen)	0	16	14	0	0	61·2	0	1	8	21	0	52·0	66	9, 13	54	26, 28	58	10	37	27	0

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

UPPER AIR TEMPERATURE. ≮ 23°F

Pressure. mb.	Normal Height. Feet.	Bircham Newton. Normal Temp. °F.	Mean. °F.	No. of Reports.	Aldergrove. Mean. °F.	No. of Reports.	Penzance. Mean. °F.	No. of Reports.
950	1760	46·6	51·2	60	47·8	60	50·1	60
850	4740	37·9	41·5	60	39·4	60	41·4	60
750	8040	60·1	33·4	60	31·8	60	34·3	60
650	11750	19·4	23·0	60	21·2	60	26·0	60
550	15980	5·7	9·8	60	8·8	60	9·3	60

* Maximum thermometer broken.

UPPER WINDS.

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

Station.	Lympne. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Exeter (Mt. Batten). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Holyhead (Valley). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	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	65	32	21	08	00	00	93	31	52	04	00	00	72	27	36	06	00	00	62	27	18	15	00	00	500 above ground.
1000 above M.S.L.	63	32	21	08	00	00	74	23	36	07	00	00	42	15	24	03	00	00	46	24	13	08	00	00	1000 above M.S.L.
2000 ,, ,,	33	22	10	00	00	00	32	14	15	03	00	00	07	04	03	00	00	00	22	07	12	03	00	00	2000 ,, ,,
3000 ,, ,,	14	11	01	02	00	00	16	07	04	03	00	00	01	00	01	00	00	00	03	00	00	00	00	00	3000 ,, ,,
4000 ,, ,,	08	06	02	00	00	00	07	03	01	03	00	00	00	00	00	00	00	00	03	00	01	02	00	00	4000 ,, ,,

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

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

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

SUNSHINE, RAINFALL, AND HUMIDITY September 1943.

District.	Stations.	Sunshine: Number of Days with Duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months. Hours.	Difference from average. Hours.	Total for Month. Hours.	Difference from average. Hours.	Highest and Lowest Totals on record for Month. First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.	Rainfall: ‡Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hours. mm.	Date.	Total for past 12 months. mm.	Difference from average. mm.	Total for Month.‡ mm.	Difference from average. mm.	Highest and Lowest Totals on record for Month. First year of record.	Highest. mm.	Year	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London (Kew Obsy).	4	8	7	8	3	16·3	22 24	1408	−61	130	−16	1880	224	1911	90	1936	16	7	3	3	1	0	19·0	12	587	−19	57	+9	1856	145	1918	4	1929	3	0
	Croydon	4	10	3	9	4	11·1	4	1573	+48	142	−9	1922	205	1928	89	1936	20	4	3	3	0	0	7·8	10	678	−1	35	−15	1921	134	1927	4	1929	3	0
	Thorney Island **	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	16	6	5	3	0	0	13·9	10	637	−56	44	−11	1881	216	1896	2	1910	3	0
	Lympne	3	5	5	11	6	11·8	4	1793	+28	177	+9	1921	244	1929	106	1936	17	5	5	3	0	0	13·2	9	651	−73	46	−12	1920	122	1933	5	1941	1	0
2	Shoeburyness	1	7	8	11	3	11·1	4	1755	+39	163	0	1919	237	1928	108	1936 1941	17	3	6	3	1	0	22·0	12	559	+56	64	+22	1920	93	1920 1930	5	1941	2	0
	Gorleston	2	6	9	10	3	11·1	6	1792	+149	153	−5	1908	222	1928	109	1932	13	7	4	6	0	0	13·0	9	596	−26	76	+26	1871	163	1930	4	1898	1	0
	Cranwell	3	8	5	9	5	10·9	2	1623	+85	152	+9	1921	186	1933	77	1941	18	4	4	3	1	0	23·6	10	623	+33	60	+15	1917	126	1935	12	1928	2	0
3	Birmingham (Edgbaston)	1	13	7	8	1	10·1	19	1400	+96	126	+2	1887	216	1895	67	1909	16	8	2	4	0	0	12·0	1	681	+7	45	−1	1893	165	1918	12	1895	1	0
4	Ross-on-Wye	1	8	11	8	2	10·3	22	1506	+21	134	−2	1915	205	1929	91	1936	13	5	7	4	0	1	30·8	12	709	−8	85	+36	1859	174	1876	2	1865	2	0
5	Falmouth (Observatory)	4	10	4	6	6	11·5	8	1624	−86	143	−15	1881	235	1906	99	1932	9	4	9	6	2	0	22·8	13	956	−151	111	+37	1871	206	1918	9	1895	3	0
7	Holyhead (Valley)	*	*	*	*	*	*	*	*	*	*	*	1914	209	1933	107	1916	7	10	8	3	2	0	24·4	17	940	+53	96	+28	1871	188	1918	7	1894	1	0
8	Chester (Sealand)	5	7	8	9	1	10·6	8	1602	+226	130	0	1923	174	1933	80	1936	9	4	10	7	0	0	14·4	14	723	+85	103	+54	1922	118	1935	9	1941	2	0
10	Tynemouth	*	*	*	*	*	*	*	*	*	*	*	1935	*	*	*	*	15	3	5	7	0	0	12·0	27	567	−54	77	+31	1915	115	1918	18	1941	1	0
11	Leuchers	2	10	5	10	3	10·6	2	1610	+140	143	+4	1922	172	1942	82	1936	17	5	4	3	1	0	15·9	4	579	−74	55	+6	1922	126	1927	13	1929	0	0
12	Renfrew	4	9	7	10	0	9·0	16	1298	+105	119	+1	1921	152	1928	73	1936	8	10	9	2	1	0	21·9	4	1151	+212	66	0	1921	157	1935	16	1933	0	0
	Eskdalemuir	8	10	4	7	1	9·8	9	1183	−18	83	−28	1910	153	1933	75	1931	9	7	5	4	5	0	23·4	13 27	1705	+276	149	+55	1910	242	1918	25	1910	1	0
13B	Stornoway	5	10	8	5	2	12·0	10	1067	−148	109	−1	1881	175	1905	73	1887	8	7	7	7	1	0	16·8	27	1319	+117	91	−4	1870	201	1900	12	1894 1894	0	0
15	Aberdeen	4	8	8	9	1	10·8	18	1385	+56	126	0	1881	199	1906	57	1881	16	4	8	0	0	2	32·2	27	698	−50	83	+27	1871	162	1927	14	1941	1	0
18	Aldergrove	8	10	5	7	0	8·7	9	1326	0	85	−37	1927	175	1933	96	1931	5	13	8	4	0	0	14·6	4	865	+27	65	+2	1926	143	1934	13	1933	0	0
19	Birr Castle	4	12	10	4	0	7·7	23	1205	−101	91	−28	1881	182	1895	80	1908	8	7	12	3	0	0	13·0	12	812	−15	71	+13	1862	172	1924	8	1894	0	0
20	Valentia (Cahirciveen)	5	12	7	5	1	10·7	11	1263	−105	99	−28	1880	205	1933	78	1922	4	10	12	1	2	1	26·0	12	1252	−262	116	+11	1866	253	1875	24	1909	0	0

MINIMUM SURFACE HUMIDITY.

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

Stations.	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew)	00	00	01	02	07	08	10	02	00	00
Ross-on-Wye	00	00	01	04	06	15	04	00	00	00
Falmouth (Obsy.)	01	07	03	09	08	02	00	00	00	00
Renfrew	01	00	02	06	12	06	03	00	00	00
Eskdalemuir	00	00	04	06	05	04	11	00	00	00
Aberdeen	01	02	02	05	07	08	05	00	00	00
Valentia	03	01	05	11	08	02	00	00	00	00

STATE OF GROUND AT 18 h.

No. of Days each Type was recorded

Stations.	0	1	2	3	4	5	6	7	8	9
London (Kew)	11	19	00	00	00	00	00	00	00	00
Ross-on-Wye	05	25	00	00	00	00	00	00	00	00
Renfrew	02	26	02	00	00	00	00	00	00	00
Eskdalemuir	01	28	01	00	00	00	00	00	00	00
Aberdeen	01	29	00	00	00	00	00	00	00	00
Valentia	00	30	00	00	00	00	00	00	00	00

CODE for State of Ground.

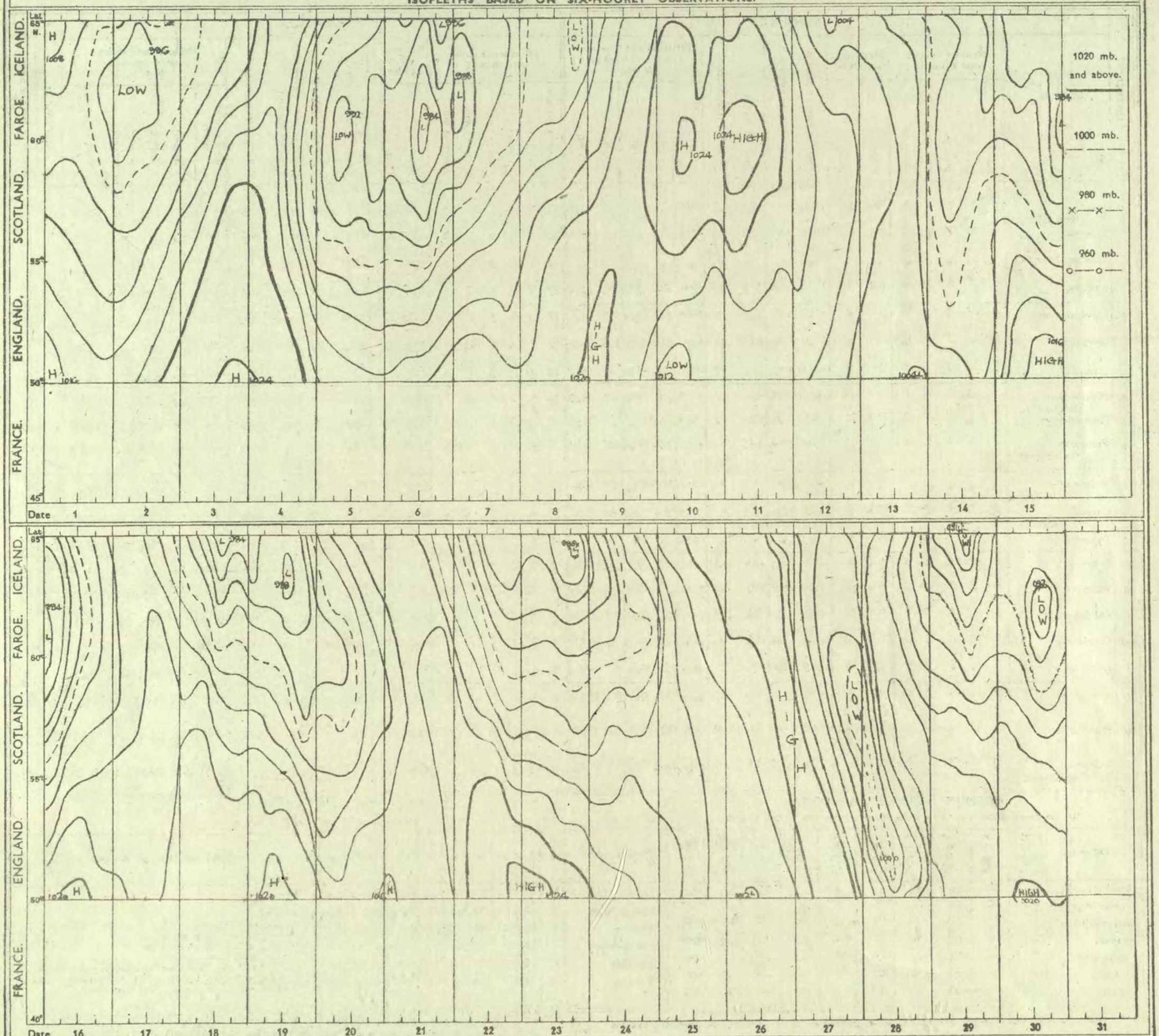
0 Dry.
1 Wet.
2 Flooded.
3 Frozen hard and dry.
4 Partly covered with snow or hail.
5 Covered with ice or glazed frost
6 Covered with thawing snow.
7 Covered with snow, less than 6 in., but ground not frozen.
8 Covered with snow, less than 6 in., and ground frozen.
9 Covered with snow, greater than 6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

Wednesday 1st September 1943

No. 29868

OBSERVATIONS at 13h. G.M.T. 31st 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)	19·8	−2	WNW	2	c-bc	65	65	51	8	7	4	1	7-8	7-8	2500
	Croydon	20·6	+6	W	2	c-bc	67	55	50	8	7	–	–	7-8	7-8	3500
	S. Farnborough	19·8	−2	SW	2	c	68	65	53	8	7	7	–	7-8	9	2000
	Boscombe Down	19·7	0	WNW	1	c-bc	66	55	51	8	2	6	–	7-8	7-8	2500
	Thorney Island	19·7	+2	SW	1	cbc	69	55	53	9	8	4	–	7-8	7-8	2500
	Lympne	19·5	0	NNW	2	c	65	55	51	7	5	–	–	7-8	9+	2500
	Manston	19·0	−4	N'E	2	c	66	55	47	8	7	–	–	9	9	4000
	Shoeburyness	19·4	−2	W'N	2	c	67	55	50	8	5	–	–	9+	9+	4000
	Felixstowe	18·9	+4	W'S	1	c	67	55	48	8	5	–	–	9+	9+	4000
	Gorleston	18·2	+8	NNE	2	c	61	75	54	7	8	–	–	9	9	1200
	Mildenhall	18·6	−2	SW'W	2	c	66	65	52	8	7	–	–	4-6	9+	2500
	Cranwell	18·5	+2	W	2	c	63	65	52	6	7	–	–	7-8	9+	2500
3	Birmingham	18·7	0	WSW	2	c	65	55	49	8	5	7	–	7-8	9+	4000
	Upper Heyford	18·9	−2	WSW	2	cbc	66	65	52	8	7	3	6	4-6	7-8	3500
4	Ross-on-Wye	19·0	0	WSW	2	c	65	65	52	8	7	4	9	4-6	10	3500
5	Hartland Point	19·6	−4	W	4	bc	60	75	51	8	2	4	2	1	4-6	1500
	Bristol	20·1	0	W	3	c	64	65	54	7	5	–	–	9	9	2800
	Portland Bill	20·7	0	W	3	c	64	85	61	8	2	4	–	4-6	10	4000
	Plymouth	21·5	−2	SW'W	2	c	61	75	53	9	5	7	–	4-6	9	3000
	The Lizard	20·9	−4	W	2	c	63	75	56	8	5	–	–	9+	9+	2000
	Scilly (St. Mary's)	20·2	−6	SSW	4	ojp	61	85	56	7	5	–	–	10	10	1200
	Guernsey															
6	Pembroke	19·8	−2	SW'S	4	c	60	85	56	8	5	–	–	9+	9+	3000
7	Holyhead (Valley)	18·3	−4	SSW	4	c	63	75	54	8	8	3	–	7-8	9+	3000
	Chester (Sealand)	17·9	−6	W	1	c	67	55	52	8	7	3	8	9+	9+	4000
8	Manchester	18·2	−6	SW	3	c	63	65	51	8	4	3	–	4-6	9+	2500
10	Spurn Head	18·6	+8	E	2	cbc	62	75	52	7	7	3	–	4-6	7-8	2500
	Catterick (Sc)	17·8	0	SW	1	c	65	65	54	8	8	–	–	9+	9+	2500
	Tynemouth	18·7	+4	SE	3	c	57	85	52	7	8	–	–	9	9	2300
11	St. Abbs Head	16·9	+2	ESE	3	c	58	75	50	7	5	4	–	7-8	9+	2500
	Leuchars	16·9	+2	E	3	c	58	75	50	7	5	–	–	10	10	2700
12	Renfrew (Abbots I.)	15·9	−6	SSE	1	c	61	75	52	8	8	–	–	9+	9+	2000
	Eskdalemuir	17·1	0	WSW	3	c	57	75	49	8	5	3	–	4-6	9+	2400
	Point of Ayre	17·5	0	SW'S	4	c	60	75	52	8	8	7	6	4-6	9+	3000
13A	Tiree	13·3	+12	S	5	iro	58	85	54	9	5	2	–	9	10	1500
13B	Stornoway	13·0	−10	S	4	c	58	75	51	8	5	4	5	7-8	9	2200
15	Dalwhinnie	15·0	+2	S	3	c	56	75	48	8	5	–	1	9	9+	2500
	Aberdeen	17·2	+2	SE	2	c	57	65	46	7	5	–	4	4-6	9+	2500
	Wick	16·3	−2	SE	2	bc	56	75	50	9	8	3	9	2-3	4-6	2000
16	Sumburgh	16·9	+6	NE	3	bc	55	65	43	9	5	–	1	2-3	4-6	4000
17	Blacksod Point	10·9	−10	S	5	DD	61	97	60	6	6	2	–	4-6	10	800
18	Malin Head	12·0	−18	S'W	5	c/r	55	92	53	8	5	2	–	2-3	10	1500
	Aldergrove	15·5	−10	S'E	2	c	58	75	51	9	5	7	–	2-3	10	2500
19	Birr Castle	14·0	−16	SSE	2	c	65	85	60	8	5	1	–	7-8	9+	2500
20	Valentia Obsy.	14·1	−10	S	5	dd	61	97	60	6	5	–	–	10	10	450
	Roches Point	16·4	−10	S	3	•/d	61	97	60	7	5	–	–	10	10	450

OBSERVATIONS at 18h. 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)	18·9	−2	W'S	2	c-bc	67	55	52	8	7	3	–	7-8	7-8	4000	0	•
Croydon	19·6	−6	W'S	2	c	67	65	54	8	5	3	8	7-8	9	5000	0	•
S. Farnborough	19·1	−2	WNW	2	c-bc	67	55	52	8	4	4	9	2-3	7-8	3000	0	•
Boscombe Down	19·3	−2	WSW	2	c-bc	64	65	50	8	4	8	3	2-3	7-8	3500	0	•
Thorney Island	19·5	0	WSW	3	bc	65	75	55	8	4	3	9	Tr	4-6	4000	0	•
Lympne	19·7	+4	WSW	2	zo	63	75	56	6	5	–	–	9	9	5900	0	2
Manston	18·8	−2	SE	3	c	62	75	54	7	–	3	–	0	9+	–	0	•
Shoeburyness	19·3	−2	ESE	3	c-bc	65	75	57	8	5	7	–	4-6	7-8	4000	0	•
Felixstowe	18·8	−2	S'W	1	c	66	55	51	8	5	–	–	9+	9+	4000	0	2
Gorleston	19·0	0	—	0	c-bc	60	85	54	7	5	7	2	4-6	7-8	1500	0	2
Mildenhall	18·7	−2	E'N	1	bc	64	65	53	8	2	3	1	1	4-6	4000	1	•
Cranwell	17·9	−6	—	0	zo	65	65	53	6	4	7	–	4-6	9+	6000	0	•
Birmingham	17·9	−4	WSW	2	c-bc	65	55	52	8	5	7	–	4-6	7-8	4000	1	•
Upper Heyford	18·6	0	WSW	3	bc	65	65	52	7	5	8	6	2-3	4-6	5000	0	•
Ross-on-Wye	18·5	−4	WSW	3	c	63	65	52	8	5	7	–	1	9+	3600	0	•
Hartland Point	18·4	−8	S	3	dd	58	97	58	5	8	2	–	9	10	800	1	3
Bristol	19·5	−6	W	2	c	63	85	57	8	5	8	–	9	9+	4300	0	•
Portland Bill	19·7	−2	SW	3	c	60	85	56	8	2	4	–	4-6	9	4000	1	4
Plymouth	20·5	−6	WSW	3	c/r	58	97	58	7	5	7	–	9	10	1500	1	2
The Lizard	19·7	−10	SW	2	of+	69	97	58	3	5	–	–	10	10	400	0	3
Scilly (St. Mary's)	18·5	−12	S'W	3	f	60	97	60	2	–	–	–	10	10	<150	1	4
Guernsey																	
Pembroke	18·0	−6	SSW	5	rf	59	97	59	2	–	–	–	10	10	<150	1	3
Holyhead (Valley)	16·8	−14	S'E	5	c	59	92	57	8	5	2	–	9+	10	600	1	4
Chester (Sealand)	17·7	−2	WSW	1	dodo	60	92	58	6	5	2	–	4-6	10	2500	0	•
Manchester	17·5	−6	SW'S	3	c	63	75	53	9	4	3	9	7-8	9	3000	0	•
Spurn Head	18·5	−2	ESE	3	c	62	85	56	7	7	7	–	4-6	9	2500	0	3
Catterick (Sc)	17·1	−6	SW	3	c	61	85	54	8	5	7	–	2-3	9	3000	0	•
Tynemouth	18·6	−2	SSE	3	c-bc	56	97	56	7	2	4	–	4-6	7-8	3000	0	3
St. Abbs Head	15·7	−10	S	3	c	55	97	54	6	5	4	–	7-8	9	2500	0	3
Leuchars	15·3	−14	E	3	c	58	85	53	7	5	3	1	4-6	9+	3000	1	•
Renfrew (Abbots I.)	14·6	−6	SSE	2	iro	59	85	55	7	5	7	–	4-6	10	1500	1	•
Eskdalemuir	16·2	−2	WSW	4	rf	56	85	52	8	5	7	–	7-8	9+	1200	1	•
Point of Ayre	15·7	−12	SW'S	4	c/r	57	97	56	7	5	2	–	9	10	800	1	3
Tiree	11·4	−12	SE	5	dd	55	97	55	5	6	2	–	9+	10	200	1	4
Stornoway	10·7	−10	S	4	roro	56	92	54	6	6	2	–	4-6	10	900	1	3
Dalwhinnie	13·0	−6	SW	3	c/pr	53	92	51	7	5	2	–	7-8	10	1500	1	
Aberdeen	16·0	−6	SSE	3	c	55	85	49	8	5	7	6	4-6	9+	4000	1	2
Wick	14·7	−14	SSE	3	c	54	85	49	8	5	7	6	2-3	9+	3000	0	•
Sumburgh	16·6	−6	E	3	c	54	65	41	9	5	7	3	4-6	9+	5700	1	2
Blacksod Point	10·6	+6	SW	3	c-bc	59	85	55	7	6	5	–	7-8	9+	1500	2	2
Malin Head	10·1	−6	S	4	ir	61	85	56	8	5	2	–	4-6	10	1500	2	3
Aldergrove	13·1	−14	SE	3	ido	59	92	57	7	5	2	–	7-8	10	1800	1	•
Birr Castle	11·9	−8	WSW	3	c	68	85	63	8	8	7	–	7-8	9	1500	1	•
Valentia Obsy.	13·5	0	S	3	iR	59	97	58	6	5	–	–	10	10	1500	:	3
Roches Point	19·4	−10	S	4	f	59	97	58	2	–	–	–	10	10	<150	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)	czowc	cbcc	cbcw	bccw
Croydon	czocy	cybcycyc	bcbcmzbc	cmoc
S. Farnborough	cmoc	cbcdccy	bcyc	ciroc
Boscombe Down	cbmowbcy	cyb cybc	cbcwc	cbcc
Thorney Island	bccy	cyzocb	bc	bccwbcwc
Lympne	bcbbcy	cyzocb	cmo	bcwbc
Manston	bcmobccy	cyc	bcczo	cbcmobc
Shoeburyness	cmobccy	cyc	c	c
Felixstowe	bcc	cy	bbc	bcbcmo
Gorleston	c	c	cdbc	czo
Mildenhall	bmowbcmo	ccyc	cbbc	bccwcidoc
Cranwell	cmobcczo	czo	czbczobcmo	cmoc
Birmingham	c	cbcc	c	c
Upper Heyford	cbc	bccbc	cbccmo	cidomoc
Ross-on-Wye	cvc	cbcc	ccpoc	c
Hartland Point	cidob	bccddc	bc	ciro
Bristol	bmowbc	c	ccmowc	cciro
Portland Bill	c	c	c	corr
Plymouth	c	croroc	bmododo	odrmrr
The Lizard	cbcc	comfe	bffe	Ffdf
Scilly (St. Mary's)	cdoc	idooffe	ofFe	ofedf
Guernsey				
Pembroke	c	ororof	f	irff
Holyhead (Valley)	c	cidocdo	cdodoomo	omoododom
Chester (Sealand)	cy	cymo dodo	cmobc	bccmo
Manchester	cmocczo	cbc	idoiromo	bccmo
Spurn Head	c	c	bc	cmo
Catterick (Sc)	c	c	cmoidocmo	cmobcmo
Tynemouth	c	c	cododo	ododoocmo
St. Abbs Head	c	c	ccrepre	crocdcmo
Leuchars	c	c	crorom	orocmo
Renfrew (Abbots I.)	c	cciro	dodoRRm	crorodom
Eskdalemuir	c	ciro	cirododom	ododomroro
Point of Ayre	c	croro	cb	bcc
Tiree	cciro	ccrocddmocrrmododomo		cmoc
Stornoway	cidoc	cirororomocrrocrrmodod		cidoc
Dalwhinnie	c	cpro		oirc
Aberdeen	c	c	ododo	cdodom
Wick	bc	bcc	cropoc	crororc
Sumburgh	bcb	bcc	cbcc	crocmorr
Blacksod Point	d	d	bc	pr
Malin Head	r	r	d	pr
Aldergrove	c	cido	idocdoro	ddrrododo
Birr Castle	c	c	•	r
Valentia Obsy.	r	r	r	pr
Roches Point	d	d	r	r

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Moderate southwest winds; cloudy with local rain, possibly of a thundery nature; hill fog in south; rather warm.
4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Moderate south to southwest; cloudy with occasional rain at first, considerable hill fog and in south some coast fog; brighter periods later but some local thundery showers or thunderstorms; rather cool.
13A W. Scotland; 13B N.W. Scotland	Moderate southwest winds; showers and bright intervals; rather cool.
14 Mid Scotland; 15 N.E. Scotland	As 4-12.
16 Orkneys and Shetlands	As 4-12.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 13A – B.

GENERAL INFERENCE

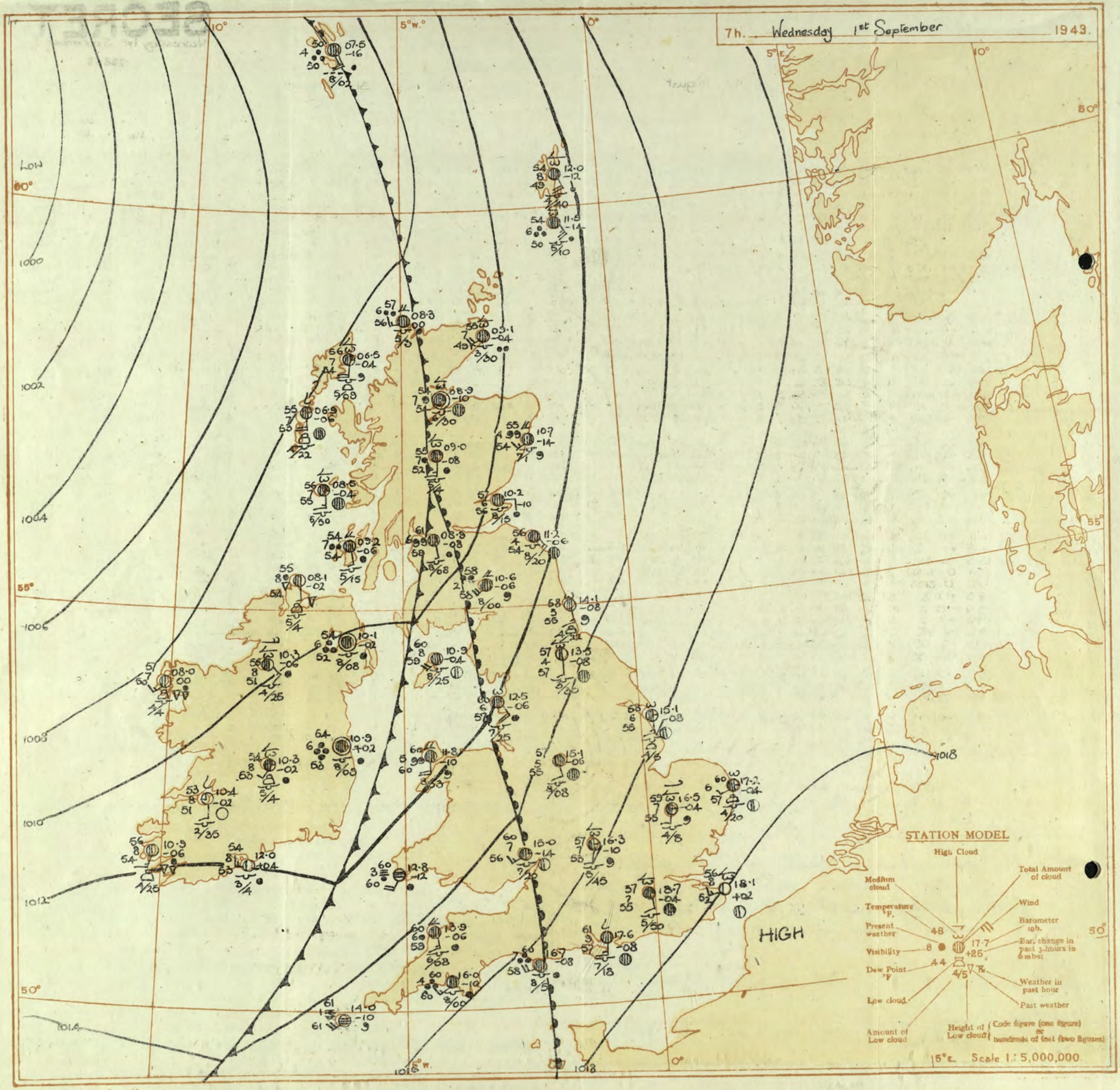
A large depression is centred South of Iceland, and associated troughs are moving slowly east across the British Isles. It will be cloudy with some rain in most districts of Britain but brighter conditions will spread slowly from West. It will be rather warm in the Southeast, rather cool elsewhere.

FURTHER OUTLOOK

Unsettled Southwest type with some rain or showers in most 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.

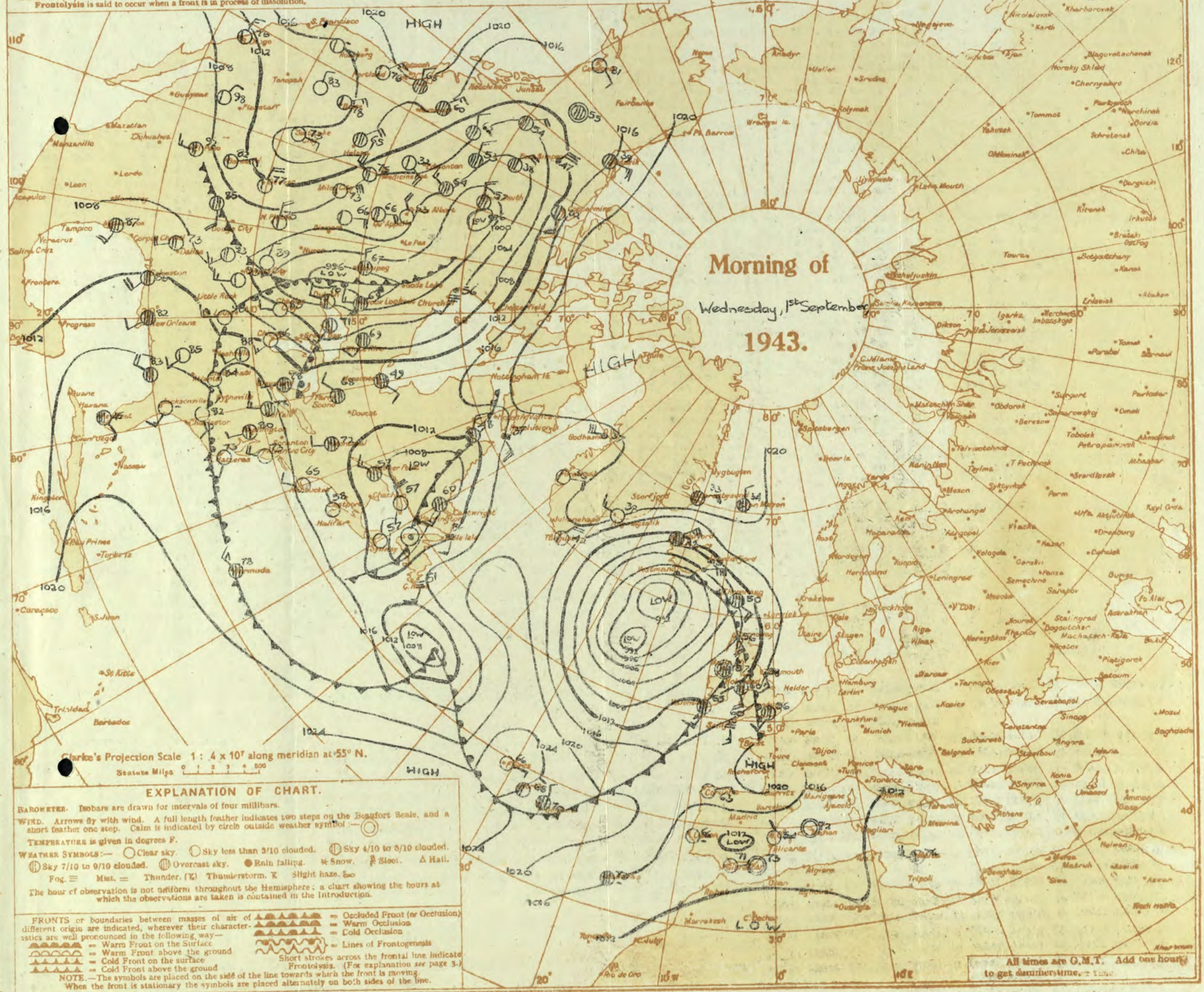
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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 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 Summertime.

BRITISH SECTION

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

Wednesday 1st September 1943

No. 29868

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	59	*	*	*	*	*	*	*	*	*
	Croydon	290	19·4	-6	SW	1	z0	56	92	54	6	5	–	–	9+	9+	5000
	S. Farnborough	226	18·8	-6	SSW	1	c	57	85	53	7	5	7	–	4-6	9	6000
	Boscombe Down	417	18·6	-8	–	0	c	55	92	53	7	5	–	–	9	9	2600
	Thorney Island	10	19·0	-8	–	0	b-bc	55	92	53	7	–	4	–	0	2-3	–
	Lympne	283	19·5	-6	WSW	1	z0	55	92	54	6	7	–	–	7-8	7-8	5000
	Manston	154	18·6	-6	SW	1	z0	57	85	53	6	5	–	–	9+	9+	4500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	18·3	-10	SSE	1	bc	62	85	58	7	5	–	–	4-6	4-6	4000
	Gorleston	5	19·4	-4	SW	3	c	61	55	58	7	5	–	–	9	9	1500
	Mildenhall	15	17·8	-4	SSE	2	bc	56	85	52	7	5	3	–	1	4-6	4000
	Cranwell	203	16·8	-10	–	0	z0	58	92	56	6	–	7	–	0	10	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·9	-10	SSW	2	z0	58	85	54	6	5	–	–	10	10	2800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16·1	-14	SW	3	c	59	97	59	6	5	2	–	9	9+	800
	Bristol	209	18·3	-6	SSW	2	c	58	92	56	7	5	–	–	10	10	2500
	Portland Bill	32	18·4	+8	W	3	c	60	85	56	8	5	–	–	10	10	4000
	Plymouth	86	18·5	-10	SW	1	d0d0	60	97	59	6	5	–	–	10	10	400
	The Lizard	240	18·1	-10	SE	3	of	59	97	59	2	5	–	–	10	10	300
	Scilly (St. Mary's)	163	16·6	-18	S	3	F	60	97	60	1	–	–	–	10	10	<150
	Guernsey	175															
6	Pembroke	142	15·8	-12	SSW	4	f	60	97	60	3	–	–	–	10	10	<150
7	Holyhead (Valley)	32	14·4	-14	SSE	4	z0	60	97	60	6	–	2	–	10	10	400
	Chester (Sealand)	16	15·0	-12	S	2	bc	58	92	56	6	5	–	–	4-6	4-6	2000
8	Manchester	230	16·1	-8	S	3	z0	59	85	55	6	5	–	–	4-6	4-6	2000
10	Spurn Head	29	17·2	-6	S'E	3	bc	58	92	55	7	7	–	–	4-6	4-6	2500
	Catterick (Sc)	192	16·3	+6	–	0	o/d	57	92	56	6	5	–	–	10	10	2200
	Tynemouth	108	16·5	-8	SSE	3	d0d0	56	97	55	6	–	2	–	10	10	1500
11	St. Abbs Head	280	13·5	-14	S	4	c	55	97	53	7	5	–	–	10	10	2500
	Leuchars	36	13·1	-16	–	0	r0r0	55	97	55	6	5	–	–	10	10	1800
12	Renfrew (Abbots I.)	19	11·6	-16	–	0	r0r0	56	97	56	4	5	–	–	10	10	800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	12·8	-16	SW	3	b-bc	60	92	57	8	5	–	–	2-3	2-3	3000
13A	Tiree	44	09·3	-6	SSW	3	c/d	56	97	56	6	5	2	–	7-8	10	2000
13B	Stornoway	12	07·6	-14	SSE	5	d0d0	56	97	56	6	–	2	–	10	10	600
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	12·6	-16	SSE	3	c	55	92	54	7	5	–	–	7-8	9	900
	Wick	114	11·8	-4	SSE	5	c	54	92	53	7	5	–	–	10	10	700
16	Sumburgh	19	14·5	-14	SE	4	c	53	75	44	8	5	7	–	7-8	9	3500
17	Blacksod Point	18	09·3	-10	S'W	3	bc	58	85	54	8	5	–	–	4-6	4-6	1500
18	Malin Head	84	09·4	-2	–	0	c	57	97	56	8	–	2	–	10	10	800
	Aldergrove	268	10·7	-6	S'W	2	dd	62	97	61	6	5	–	–	10	10	500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	12·4	-10	S'W	3	c-bc	55	97	54	8	5	–	–	7-8	7-8	2500
	Roches Point	22	12·2	-18	S'W	4	rf	58	97	58	3	5	–	–	10	10	220

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

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)	17·1	-6	SSW	2	c	59	85	54	8	5	3	–	7-8	9	4000	0	*
Croydon	18·7	-4	SSE	2	c	59	92	55	7	5	7	–	7-8	9+	5000	0	*
S. Farnborough	17·0	-10	SSW	2	c/r	58	85	54	7	5	7	–	4-6	9+	3500	0	*
Boscombe Down	17·0	-6	S'W	2	z0	57	97	57	5	5	–	–	10	10	300	0	*
Thorney Island	17·6	-8	S'W	3	c	61	85	57	9	5	4	–	9+	10	1800	0	*
Lympne	18·2	-4	W	2	bc	59	85	53	7	5	–	–	4-6	4-6	2500	0	§2
Manston	18·1	+2	SW	3	b-bc	56	85	52	8	–	7	–	0	2-3	–	0	*
Shoeburyness	18·7	-2	SW	2	c-bc	59	85	55	8	5	–	–	7-8	7-8	4000	0	*
Felixstowe	17·5	0	SW	1	z0	57	85	53	6	–	7	9	0	2-3	–	0	1
Gorleston	17·2	-4	SW	1	z0	60	92	57	6	8	3	–	4-6	9	2000	0	3
Mildenhall	16·5	-4	SSW	2	c	59	85	55	7	5	7	1	4-6	9	7200	1	*
Cranwell	14·6	-10	SSW	3	c	60	92	58	7	5	7	–	4-6	9+	4000	0	*
Birmingham	15·1	-8	SSW	3	c-bc	59	75	51	8	–	5	–	0	7-8	–	1	*
Upper Heyford	16·3	-10	SSW	2	c	57	85	53	7	5	7	–	7-8	9	4500	0	*
Ross-on-Wye	15·0	-14	SW	3	c	60	85	56	7	5	–	–	9+	9+	2000	0	*
Hartland Point	13·9	-6	S	3	r0	60	97	59	6	5	2	–	9	10	800	0	4
Bristol	15·8	-6	S	1	dr	60	97	58	7	5	7	–	7-8	10	2500	0	*
Portland Bill	16·7	-8	SW	4	rr	60	92	58	7	5	–	–	10	10	2500	1	4
Plymouth	16·0	-10	SSW	3	rr	60	97	60	4	5	–	–	10	10	<150	2	2
The Lizard	15·0	-10	SW	4	df	60	97	60	2	5	–	–	10	10	200	1	4
Scilly (St. Mary's)	14·0	-10	SW'S	4	dF	61	97	61	1	–	–	–	10	10	<150	1	4
Guernsey																	
Pembroke	12·8	-12	SSW	4	rf	60	97	60	3	–	–	–	10	10	<150	1	3
Holyhead (Valley)	11·8	-10	S	4	d0d0	60	97	60	5	–	2	–	10	10	300	1	1
Chester (Sealand)	12·5	-14	S	3	c	60	92	58	6	8	6	–	7-8	9	2500	1	*
Manchester	14·1	-8	S	4	z0	59	92	56	6	5	3	–	7-8	7-8	2500	1	*
Spurn Head	15·1	-8	S	3	z0	58	92	55	6	7	3	–	4-6	9	2500	0	3
Catterick (Sc)	13·5	-8	S	1	m	57	97	57	4	5	7	–	2-3	4-6	3000	0	*
Tynemouth	14·1	-8	SSE	3	z0	58	92	55	5	2	3	–	4-6	7-8	2200	1	2
St. Abbs Head	11·2	-6	ESE	3	m	56	92	54	4	5	–	–	10	10	2000	1	3
Leuchars	10·2	-10	E	2	z0	57	97	56	6	5	–	–	10	10	1500	1	*
Renfrew (Abbots I.)	08·9	-8	SSE	1	d0d0	61	97	59	6	5	–	–	10	10	800	1	*
Eskdalemuir	10·6	-6	SW	4	r0r0	58	97	58	2	–	2	–	10	10	<150	1	*
Point of Ayre	10·9	-4	SSW	4	c	60	97	59	8	5	–	–	10	10	2500	0	2
Tiree	08·9	-4	S	3	c	56	92	55	7	5	7	–	7-8	9+	5000	1	2
Stornoway	06·5	-4	S	4	c	56	92	54	7	7	7	–	7-8	9+	900	1	2
Dalwhinnie	09·0	-8	S	3	r0	55	92	52	7	5	7	–	7-8	9+	1500	1	*
Aberdeen †	10·7	-14	SSW	3	d0d0	55	97	54	4	5	2	–	9+	10	220	1	2
Wick	09·1	-4	SSW	4	c/r	55	97	54	7	5	7	–	2-3	9+	3000	1	*
Sumburgh	11·5	-14	SE'E	5	rr	54	85	50	6	5	7	–	7-8	10	1000	1	2
Blacksod Point	08·0	0	SW'S	3	bc/pr	57	75	49	7	8	–	–	4-6	4-6	1500	1	0
Malin Head	08·1	-2	S'E	1	pr	55	97	54	8	8	–	–	7-8	7-8	1500	2	0
Aldergrove	10·1	-2	–	0	rr	54	92	52	6	5	–	–	10	10	800	1	*
Birr Castle	10·3	-2	SSW	1	c	54	97	53	8	8	7	–	7-8	9+	1500	1	*
Valentia Obsy.	10·9	-6	S'W	3	bc/pr	56	92	54	8	3	–	–	4-6	4-6	2500	1	0
Roches Point	12·0	+4	W	3	b-bc	54	97	53	8	5	–	–	2-3	2-3	1500	1	0

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)	69	57	47	–	–	1·9
Croydon	71	56	53	–	–	4·0
S. Farnborough	70	56	50	–	7	3·3
Boscombe Down	68	53	50	Tr	–	*
Thorney Island	71	53	46	–	Tr	*
Lympne	70	53	43	–	–	5·5
Manston	68	53	50	–	–	6·8
Shoeburyness	69	56	47	–	–	·8
Felixstowe	69	56	53	–	Tr	·2
Gorleston	63	58	54	–	–	0·7
Mildenhall	67	55	49	–	Tr	5·0
Cranwell	68	52	46	–	–	3·0
Birmingham	68	57	52	–	–	6·2
Upper Heyford	68	56	54	–	Tr	*
Ross-on-Wye	68	58	57	–	Tr	4·2
Hartland Point	61			0·3		
Bristol	66	58	55	–	Tr	7·3
Portland Bill	64	57	*	–	0·6	*
Plymouth	62	57	57	Tr	7	1·4
The Lizard	63	58	*	–	1	1·7
Scilly (St. Mary's)	63	59	*	0·1	3	0·0
Guernsey						
Pembroke	61	58	*	1	2	1·0
Holyhead (Valley)	63	58	58	1	1	*
Chester (Sealand)	70	58	55	0·4	0·4	5·8
Manchester	67	57	54	–	Tr	*
Spurn Head	64	56	*	–	–	4·4
Catterick (Sc)	65	56	51	–	Tr	1·8
Tynemouth	60	55	54	–	0·3	*
St. Abbs Head	59	55	*	–	1	
Leuchars	60	55	55	–	3	0·5
Renfrew (Abbots I.)	64	56	55	0·1	11	2·7
Eskdalemuir	61	53	52	Tr	4	0·5
Point of Ayre	64	57	*	1	–	0·9
Tiree	59	55	54	2	6	0·4
Stornoway	55	54	54	1	10	0·9
Dalwhinnie	58	52	50	2	7	1·6
Aberdeen †	58	53	51	–	0·3	2·5
Wick	57	53	51	–	1	*
Sumburgh	57	52	47	–	0·2	5·5
Blacksod Point	62	55	*	3	0·2	
Malin Head	62	55		3	7	0·2
Aldergrove	61	53	53	Tr	8	0·6
Birr Castle	70	53	51	1	11	1·6
Valentia Obsy.	63	54	51	5	5	0·0
Roches Point	62	54		0·4	7	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 31st August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 1st September $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
100	74	01964	16457	57	02964	45424	5-	02748	46528	5-	63637	48628
115	87	02944	08227	52	81944	08487	52	64635	16268	52	62635	20368
203							5-	03948	16368	5-	03848	16268
206	73	02964	08326	57	22964	20468	5-	64648	14168	57	51766	00027
210	53	02964	06825	07	02890	12327	57	02864	13365	57	52741	12266
219	57	61845	14468	62	66425	14568	57	21745	17457	84	02754	16426
280	51	02957	20128	62	51754	00068	5-	22848	24168	5-	64825	00068
245	53	02854	14325	57	02753	14227	52	61667	16268	52	05526	14158
260	57	02864	20228	57	02853	16426	5-	62758	04268			
278	87	02945	18317	5-	52628	13358	5-	05628	49358	52	51627	24158
279	76	02865	23326	57	02965	18328	5-	21658	18168	57	02735	18428
285	5-	03858	62428	53	02745	24327				5-	05528	14368
288	73	02865	20127	57	02862	20145	57	02766	16228	53	05664	14225
576	62	21845	16358	62	51634	14258	5-	51668	24328	57	02854	12365
301	43	02863	20225	07	02890	22228	52	05654	14357	53	05657	12467
321	5-	05657	24127	55	05663	00025	5-	22658	18168	53	05665	17327
299	5-	02755	02215	54	01754	06214	5-	01758	16418	5-	05656	22316
292	57	02965	20226	57	02862	00025	5-	21558	12158	57	05566	14228
310				--	01634	24314				--	46209	20449
614	87	05654	26226	53	05661	00026	52	05664	20128	07	05590	18128

III	13h. G.M.T. 31st August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 1st September $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
338	83	02865	19327	63	02736	15468	52	51637	17468	52	52626	16558
334	--	02753	26214	--	03747	20128				--	03647	20128
340	43	02956	18227				5-	02847	16257			
136	26	02854	28225	69	02871	24125	03	05690	16215	07	05690	16226
336	53	02754	24815	57	02754	20328				62	62526	20368
850	53	02765	24225	16	02763	201-6	52	05665	16128	87	02764	16257
368	13	02853	25225	09	02890	26426	5-	05648	20228	52	62548	18258
379	83	02854	20126	53	02763	22225	52	54645	24258	53	02725	22457
390	5-	02865	22327	53	02865	00015	53	05664	00025	07	05690	16127
382	87	02866	22226	63	02790	23213	5-	02767	00027	57	02865	19227
438	5-	02755	24315	18	01763	22314	50	02755	28215	83	02764	24316
430	4-	02767	22327	03	01890	20114	03	05690	00013	5-	02756	16228
409	52	02854	22328	5-	21738	16458	52	64506	18268	5-	21608	18358

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 1st September
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	cz0wc	cbcc	cbcwbcw
Croydon	cz0cy	cybcycyc	bcbcmzc
Greenwich	cy	cbccy	cbbcc
Camden Square	bc	c	*
Kensington	bc	bcc	*
Hampstead	bc	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew [hole] hours ending 7h. Max. Time 0·1 18-24h 31st Min. Time <0·1 0-7h 1st

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	69	57	47	–	–	1·9	*	*
Croydon	79	56	53	–	–	4·0	*	*
Greenwich	72	57	46	–	–	4·3	46	69
Westminster	72	58	51	–			62	85
Regents Park	69	58	49	–	–		56	75
Camden Square	70	58	51	–	–	*	*	76
Kensington	72	58	50	–	–		61	75
Hampstead	69	55	49	–	–		*	77

SECRET

Page 1 BRITISH SECTION

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

Thursday 2nd September 1943

No. 29869

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

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)	15·7	-8	SW	3	c	64	85	58	8	5	8	-	9+	10	2500
	Croydon	16·7	-10	SSW	3	c	66	75	58	8	5	7	-	9	10	2000
	S. Farnborough	15·5	-10	SSW	3	dodo	62	85	58	6	5	-	-	10	10	1000
	Boscombe Down	15·7	-6	SSW	4	c	62	85	59	7	5	-	-	7-8	10	800
	Thorney Island	16·5	-6	S'W	3	ido	62	85	59	7	-	2	-	10	10	1600
	Lympne	16·6	-8	SW	3	c	64	75	59	8	2	9	-	7-8	9+	2100
	Manston	16·5	-10	SSW	4	c	66	65	53	8	2	3	-	4-6	9	2500
2	Shoeburyness	16·6	-16	SSW	3	c	69	65	58	9	7	7	-	9	9+	4000
	Felixstowe	16·3	-10	SSE	3	cbc	70	55	52	7	1	3	-	Tr	7-8	4000
	Gorleston	14·9	-14	S'E	5	bcq	64	85	59	7	-	7	-	0	4-6	-
	Mildenhall	14·7	-10	S'W	3	c	71	65	60	7	5	7	-	7-8	9	5500
	Cranwell	13·1	-14	SSW	4	c	68	75	61	8	5	7	-	7-8	10	4000
3	Birmingham	12·6	-10	SSW	3	roro	61	97	60	6	6	2	-	9+	10	800
	Upper Heyford	14·6	-10	SSW	2	roro	61	97	60	6	5	-	-	10	10	600
4	Ross-on-Wye	13·2	-12	SW'S	3	c	63	92	61	7	5	-	-	10	10	1500
5	Hartland Point	12·6	-4	WNW	4	c/r	59	97	59	7	5	2	-	9	9+	800
	Bristol	14·0	-8	S	3	ido	63	97	61	8	5	-	-	10	10	900
	Portland Bill	15·0	-16	SSW	4	c	62	92	59	7	5	-	-	10	10	2500
	Plymouth	14·2	-14	SW'S	3	roro	60	97	60	6	-	2	-	10	10	200
	The Lizard	13·8	-10	NW	3	of	59	97	59	3	5	-	-	10	10	600
	Scilly (St. Mary's)	14·7	+6	W	2	c/d	56	97	55	7	5	2	-	9	10	600
	Guernsey															
6	Pembroke	12·8	+4	W	3	c	58	92	55	7	8	7	-	4-6	9	2500
7	Holyhead (Valley)	10·8	-2	W	1	iro	57	97	57	6	8	-	-	9+	9+	2000
	Chester (Sealand)	11·2	-12	S	3	roro	63	92	61	5	5	2	-	4-6	10	1400
8	Manchester	11·8	-10	SE'S	3	rr	61	97	60	6	6	2	-	4-6	10	1500
10	Spurn Head	13·7	-10	SSW	3	c	69	75	61	7	7	3	-	7-8	9	2500
	Catterick (Sc)	11·6	-6	-	0	rf	62	97	62	2	-	-	-	10	10	1150
	Tynemouth	12·5	-6	SSW	3	roro	63	92	61	6	8	-	-	10	10	2200
11	St. Abbs Head	09·0	-8	SE	4	roro	63	92	60	5	5	2	-	7-8	10	1200
	Leuchars	08·7	-2	S	2	roro	61	97	61	6	5	2	-	9+	10	1500
12	Renfrew (Abbots I.)	08·2	-4	WNW	2	o/r	59	85	55	8	5	-	-	10	10	1200
	Eskdalemuir	08·4	-10	SW	5	iro	61	85	58	6	5	-	-	10	10	900
	Point of Ayre	09·7	-4	NW'N	3	c	59	92	57	8	8	4	-	9+	9+	1800
13A	Tiree	07·1	-6	S	4	c	58	85	55	8	7	7	1	4-6	9+	2000
13B	Stornoway	05·6	-6	S	4	c	58	85	54	8	8	7	-	4-6	9+	1800
15	Dalwhinnie	07·0	-6	S	3	iro	59	92	56	7	5	2	-	7-8	10	1500
	Aberdeen	08·7	-12	S	3	c	59	85	56	5	5	2	-	7-8	10	800
	Wick	07·8	-6	-	0	c	50	92	48	7	5	2	-	7-8	10	3000
16	Sumburgh	09·6	-12	SE	6	dod.	55	97	54	4	5	2	-	10	10	100
17	Blacksod Point	06·7	-6	SW	4	bc	61	75	53	8	8	-	-	4-6	4-6	7200
18	Malin Head	06·6	-6	S'W	3	bc	61	97	60	8	2	-	-	4-6	4-6	1500
	Aldergrove	08·4	-14	SSW	3	cbc	63	75	54	7	8	-	-	7-8	7-8	2000
19	Birr Castle	09·0	-10	SW	3	c	62	65	50	8	8	7	-	7-8	9	1500
20	Valentia Obsy.	10·7	-2	WSW	6	bc	61	75	53	8	3	6	-	4-6	4-6	2500
	Roches Point	11·1	-6	SW	3	cbc	61	85	56	8	3	3	-	4-6	7-8	1500

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

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)	13·8	-10	SW	3	c/d	62	92	59	6	8	2	-	7-8	10	2500	1	•
Croydon	15·0	-12	SSW	2	dodo	61	97	60	6	5	7	-	7-8	9+	600	1	•
S. Farnborough	13·7	-2	SW'S	3	Zo	60	92	58	6	5	-	-	10	10	600	1	•
Boscombe Down	13·7	-6	S'W	3	ido	59	92	58	7	5	-	-	9	10	600	1	•
Thorney Island	14·6	-12	SSW	3	c/d	62	85	59	8	5	7	-	4-6	10	1500	1	•
Lympne	15·0	-4	SW	3	cbc	60	85	56	8	1	4	6	Tr	7-8	2500	0	§
Manston	14·3	-8	S'W	3	bc	62	75	54	8	-	7	9	0	4-6	-	0	•
Shoeburyness	14·5	-6	SW	2	cbc	67	75	57	8	-	9	6	0	7-8	-	0	•
Felixstowe	14·2	-8	SSE	4	cbc	65	85	59	8	5	7	2	4-6	7-8	5700	0	4
Gorleston	18·9	-6	S'W	4	c	65	75	57	7	5	7	-	7-8	9+	1800	0	4
Mildenhall	12·7	-10	SW'S	3	c/r	67	75	59	6	5	7	-	4-6	9	4000	0	•
Cranwell	11·3	-6	S	2	c	63	97	62	7	5	7	-	9	9+	1000	1	•
Birmingham	10·9	-14	SSE	3	iro	62	92	60	6	6	-	-	10	10	800	1	•
Upper Heyford	12·3	-4	S'W	2	c/d	61	92	59	6	5	2	-	7-8	10	800	1	•
Ross-on-Wye	11·1	-16	S	3	iro	61	97	59	6	6	2	-	9	10	800	1	•
Hartland Point	12·9	+4	WSW	3	c	56	85	53	8	2	7	-	2-3	9+	1200	1	4
Bristol	12·9	-2	WSW	3	id	58	97	57	6	5	-	-	10	10	500	1	•
Portland Bill	13·6	-6	SW	5	rr	60	92	59	7	5	-	-	10	10	2500	1	4
Plymouth	13·9	+6	NW	2	s/r	57	97	57	8	5	7	-	4-6	9+	1000	1	2
The Lizard	14·5	+4	NW	3	c	57	97	56	7	6	2	-	9	10	1000	1	3
Scilly (St. Mary's)	13·9	-8	W'S	4	c	59	85	54	8	8	7	-	7-8	10	1000	1	4
Guernsey																	
Pembroke	11·0	-10	WSW	4	cbc	60	85	55	8	8	4	-	4-6	7-8	2500	0	3
Holyhead (Valley)	10·1	-6	SW'S	5	bc	59	85	54	8	5	4	2	1	4-6	1000	1	3
Chester (Sealand)	10·3	-2	WNW	2	iro	61	85	57	8	6	2	-	7-8	10	2500	1	•
Manchester	09·9	-12	S	3	RR	63	92	61	5	6	2	-	9	10	800	1	•
Spurn Head	11·9	-8	S	3	iro	63	92	61	6	5	2	-	7-8	9	2500	1	2
Catterick (Sc)	09·5	-12	SSE	2	iro	64	92	63	3	5	2	-	7-8	10	800	1	•
Tynemouth	09·5	-10	S	3	iro	61	97	60	6	-	2	-	10	10	1500	1	3
St. Abbs Head	07·5	+4	SSW	3	roro	62	92	60	7	5	2	-	7-8	10	1500	1	3
Leuchars	07·1	0	SW	3	cbc	61	85	57	6	7	4	-	7-8	7-8	2500	0	
Renfrew (Abbots I.)	07·3	-6	SSW	2	bc	62	65	50	7	2	6	8	2-3	4-6	2500	1	•
Eskdalemuir	07·4	-6	SW'W	3	ir	57	92	55	7	5	7	-	9	9	1100	1	•
Point of Ayre	08·5	-4	W'S	3	b-bc	64	65	51	8	2	4	-	Tr	2-3	1800	1	2
Tiree	05·8	-10	S	4	pr	57	85	53	8	8	6	-	9	9+	1500	1	3
Stornoway	04·3	-6	SSW	4	b-bc	58	85	52	8	2	4	-	2-3	2-3	3000	1	3
Dalwhinnie	06·0	-2	SW	2	b-bc	56	75	46	8	3	3	-	1	2-3	4000	1	
Aberdeen	06·5	-8	S	3	Zo	60	92	58	5	5	3	-	7-8	9+	220	1	2
Wick	06·1	-14	S	3	c/d	59	97	58	6	6	2	-	9+	9+	1000	1	•
Sumburgh	06·9	-14	SE'S	6	dodo	56	97	55	5	5	2	-	10	10	300	1	3
Blacksod Point	06·0	-6	SW	5	cbc/pr	57	85	53	8	3	-	3	4-6	7-8	1500	1	4
Malin Head	05·8	0	SSW	3	PR	55	85	51	8	8	-	-	9+	9+	1500	2	3
Aldergrove	07·5	-4	S	2	cbc	58	85	53	8	8	7	-	2-3	7-8	3000	1	•
Birr Castle	08·4	-4	W	3	pr	59	65	48	8	3	7	-	2-3	7-8	1500	1	•
Valentia Obsy.	10·9	+2	SW'W	4	cbc	56	75	48	8	8	3	1	7-8	7-8	2500	1	4
Roches Point	10·8	-2	W'S	4	bc	59	85	55	8	2	4	-	4-6	4-6	2500	1	4

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 1st (39)	13h.—18h. 1st (40)	18h. 1st to 1h. 2nd (41)	1h.—7h. 2nd (42)
London (Kew)	cdoroc	cdocmo	crocmo	rorrocmo
Croydon	c	ccdodomo	cmdod	crodobcmo
S. Farnborough	cdoirocdomo	cdoidocmo	cmocidr	bcmob
Boscombe Down	ccdoDc	ccidoc	idrrcbc	bcmobcf
Thorney Island	ccidooidm	ccidomo	cciroro	croromobc
Lympne	bccproc	cbc	cprmobc	cmoorrfc
Manston	bbcyc	cbc	cdoiro	croromo
Shoeburyness	cprobcc	ccyc	crriroc	crrcbc
Felixstowe	bcmobcy	cyc	croromo	croroc
Gorleston	czobcq	bcqc	corr	cir id
Mildenhall	c	cirocmo	cmocddmo	mcddmo
Cranwell	c	cirocir	crrciroc	Gbmo
Birmingham	coir	oiro	pRc	cb
Upper Heyford	croromoc	crorodo domo	crrmobc	bcmoFo
Ross-on-Wye	crrroir	rccr	rec	bcbb
Hartland Point	irrrc	iroirc	cbcpr	bcpr
Bristol	croroid	cidociroooid	modrobcpro	bbocprw
Portland Bill	orro	orr	irbc	c
Plymouth	orrmdodo	ororo moc	b	bFwcmw
The Lizard	ddrff	rrffc	cbbcw	bcprc
Scilly (St. Mary's)	odFpr	c	bcpo	bcc
Guernsey				
Pembroke	ororomoc	c	bc	bcproc
Holyhead (Valley)	croromo	cb	bccbc	bb cb
Chester (Sealand)	cmororo	croroiro	crobcmo	bcmobc
Manchester	rrRRir	rrbb	RRrorob	bmobcw
Spurn Head	c	ciro	ciro	bcmo
Catterick (Sc)	crorof	cfcm	cmo	cmobc
Tynemouth	cmooir	coir	oirm	obcm
St. Abbs Head	cmroc	cmoro	crmcmoc	cbc
Leuchars	cmo rrro	croromo	bcjpcmo	bcmowcmo
Renfrew (Abbots I.)	dodorrororoc	obc	bccpromoc	cmobccpro
Eskdalemuir	RRfciro	ciromoirc	cirmoc	cmo
Point of Ayre	RRidoc	bcb	cbc	probc
Tiree	c	bccpro	cprcbc	bcproc
Stornoway	c	ccprobc	bcciro	ccpro
Dalwhinnie	ciro	oirob		b irobc
Aberdeen	cdodomczo	cirocZo	ciriroc	cbcc
Wick	c	cdodoc	bcc	cFcmoc
Sumburgh	crrcdodo	cmdodo	cdodom	RFf iro
Blacksod Point	bc	pr	pr	F
Malin Head	bc	pr	pr	pr
Aldergrove	rododomcbc	c	cprobcb	bbcc
Birr Castle	F	pr		r
Valentia Obsy.	pr	pr	pr	pr
Roches Point	pr	bc	pr	b

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

Districts	Forecast
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands	Light westerly winds becoming variable to southwest. Fair with considerable bright periods, especially tonight; a few local fog patches around dawn: 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 12 S.W. Scotland & Isle of Man 13A W. Scotland 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate west or southwest winds; local showers and bright intervals: rather cool.
16 Orkneys and Shetlands	As 5-15
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate to fresh west to southwest winds. Fair at first apart from scattered showers, rain spreading from west later: rather cool.

GENERAL INFERENCE

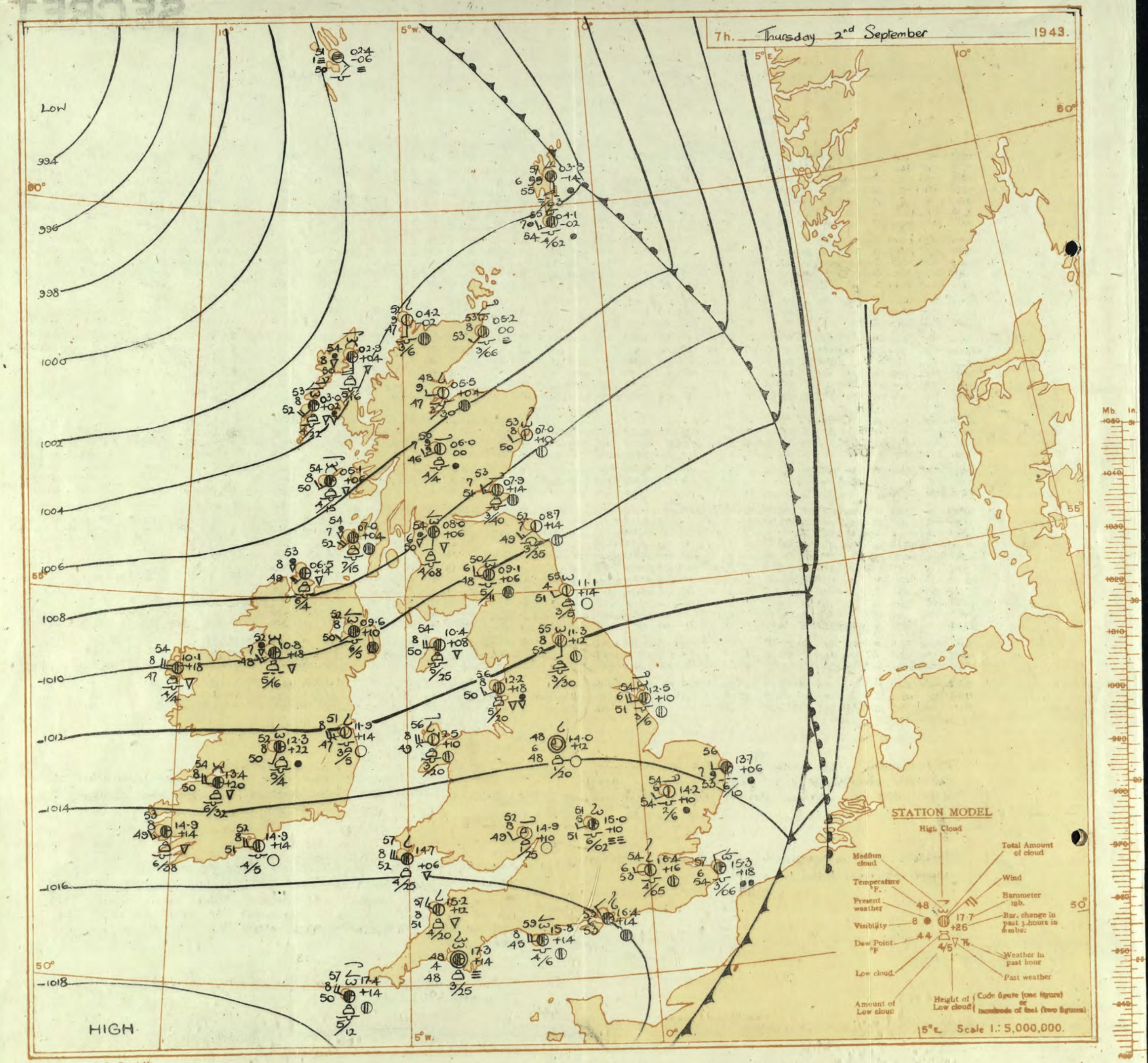
Pressure remains very low around Iceland. A ridge of high pressure is developing over the British Isles and will move east. A trough of low pressure will approach Ireland later. Weather will fair at first apart from local showers in the North and West. More general rain will spread across Ireland later. It will be generally rather cool.

FURTHER OUTLOOK

Rain spreading east across the country followed by brighter conditions in the West.

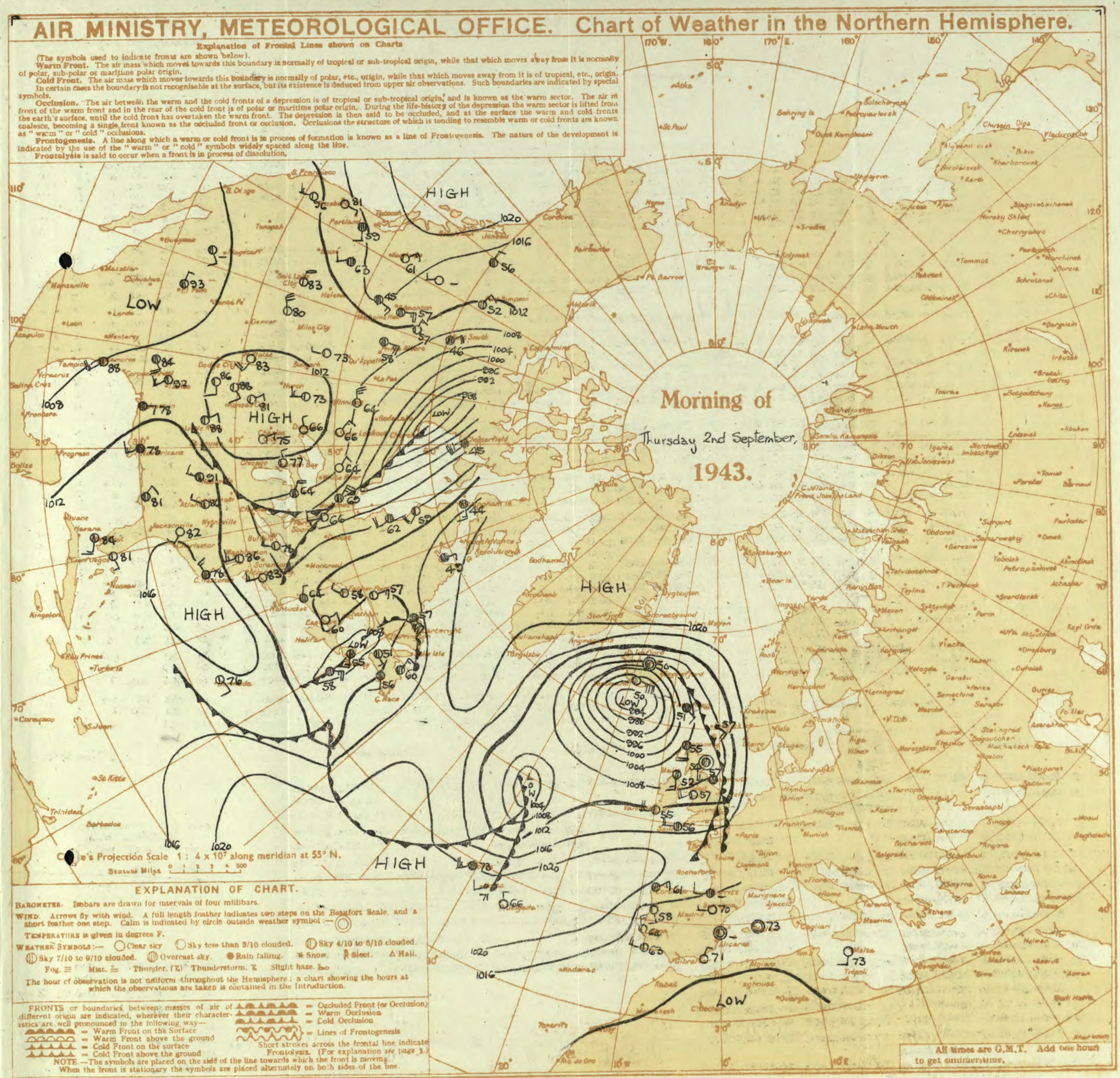
Forecasts issued at 1300

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 summertime.

BRITISH SECTION

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

Thursday 2nd September 1943

No. 29869

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

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	14·5	−2	S	3	rr	59	97	58	5	5	–	–	10	10	700
	S. Farnborough	226	14·0	+6	W	5	r.r.	55	97	54	6	5	2	–	9	10	1100
	Boscombe Down	417	14·8	+2	SW'W	1	zo	51	97	51	6	5	–	–	4-6	4-6	450
	Thorney Island	10	14·8	+6	NW	2	r.r.	55	97	55	6	5	–	–	9	10	1800
	Lympne ..	283	14·3	−6	SSW	2	zo	60	92	57	6	1	–	–	1	4-6	2900
	Manston ...	154	14·2	−4	S	2	ir.	60	85	56	7	5	–	–	10	10	5500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	13·7	−2	S	4	r.r.	61	92	58	6	5	–	–	10	10	1500
	Gorleston ...	5	13·2	−4	SSW	2	rr	60	97	60	6	6	–	–	10	10	1500
	Mildenhall ...	15	12·8	+2	WNW	3	o/r	60	97	59	5	5	–	–	10	10	1400
	Cranwell ...	203	12·0	+12	WSW	2	o/r	55	97	55	6	5	–	–	10	10	2200
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13·3	+8	WSW	3	b-bc	53	97	53	7	5	–	–	2-3	2-3	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	13·5	0	WNW	3	bc	57	85	51	8	2	–	–	4-6	4-6	1500
	Bristol ...	209	13·8	0	SW	1	b/pr	53	97	52	8	2	8	–	Tr	1	2500
	Portland Bill ...	32	14·3	+4	SW	4	bc	59	97	59	7	5	–	–	4-6	4-6	4000
	Plymouth ...	86	15·7	+6	ENE	1	b-bc	52	97	52	7	–	7	–	0	2-3	–
	The Lizard ..	240	15·9	+4	WNW	2	bc	55	97	55	8	5	–	–	4-6	4-6	1500
	Scilly (St. Mary's)	163	15·7	+2	W'N	4	c-bc	56	85	51	8	8	4	6	4-6	7-8	1200
	Guernsey ...	175															
6	Pembroke ...	142	12·8	+4	W	5	b-bc	57	85	51	8	2	–	–	2-3	2-3	2500
7	Holyhead (Valley)	32	11·0	+6	SW'W	4	b	57	85	51	8	5	–	–	1	1	5700
	Chester (Sealand)	16	12·2	+2	WSW	1	b-bc	54	85	50	6	5	–	–	2-3	2-3	3000
8	Manchester ...	230	11·6	+4	SSW	3	zo	52	97	51	6	5	–	–	Tr	Tr	2000
10	Spurn Head ...	29	11·2	0	W'N	4	ir.	57	92	54	7	8	2	–	7-8	10	1500
	Catterick (Sc.)...	192	10·4	+4	–	0	zo	54	97	54	6	5	–	–	9	9	3300
	Tynemouth ...	108	09·5	−2	WSW	3	c/r	57	92	55	7	–	2	–	10	10	1500
11	St. Abbs Head	280	07·5	+2	SW	4	c	54	85	49	7	5	–	–	10	10	2500
	Leuchars ...	36	06·9	+6	W	2	zo	52	92	50	6	–	7	–	0	4-6	–
12	Renfrew (Abbots I.)	19	07·4	−2	S'E	1	c-bc/pr	55	92	53	6	8	–	–	7-8	7-8	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	09·0	+2	W'N	3	pr.	54	92	52	8	3	–	–	2-3	2-3	2000
13A	Tiree	44	05·3	−2	SSW	3	bc	54	85	50	8	8	6	–	2-3	4-6	2000
13B	Stornoway ...	12	03·4	−2	S	4	c-bc/r	55	92	52	7	5	–	–	7-8	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	06·0	−6	–	0	c	54	97	53	7	5	–	–	10	10	2000
	Wick ...	114	06·1	−10	–	0	c-bc	52	97	51	7	5	7	–	4-6	7-8	4000
16	Sumburgh ..	19	06·1	−4	SE	4	d.d.	55	97	55	4	5	2	–	10	10	200
17	Blacksod Point	18	06·9	+8	WS	5	c-bc	55	85	51	7	9	–	–	7-8	7-8	1500
18	Malin Head ...	84	05·4	−2	S	3	bc	52	85	48	8	5	–	–	4-6	4-6	1500
	Aldergrove ...	268	08·3	+2	S'W	1	b	55	92	51	8	7	4	–	Tr	Tr	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	12·5	+4	WSW	4	b-bc	55	85	50	8	2	–	–	2-3	2-3	2500
	Roches Point	22	13·0	+6	W	3	b	53	97	52	8	5	–	–	Tr	Tr	2500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	14·5	+4	SW	2	zo	55	92	53	6	5	–	–	9+	9+	2500	1	*
	Croydon ...	16·4	+6	W	1	zo	54	92	53	6	5	4	4	4-6	4-6	500	1	*
	S. Farnborough	16·1	+8	WSW	2	b-bc	53	92	52	8	5	–	5	1	2-3	2000	1	*
	Boscombe Down	16·5	+4	–	0	m/f	50	97	50	4	4	7	–	1	4-6	3000	1	*
	Thorney Island	16·4	+4	NW	2	zo	53	97	53	6	–	4	4	0	9	–	1	*
	Lympne ..	15·4	+6	NW	1	zo	56	97	55	5	5	–	–	7-8	7-8	1600	1	2
	Manston ...	15·3	+8	NW'N	2	c/r	57	92	54	6	5	7	–	2-3	9	600	1	*
2	Shoeburyness ...	15·6	+10	W	1	bc	57	92	54	6	5	3	2	2-3	4-6	4000	1	*
	Felixstowe ...	14·2	+10	W	2	c	56	92	53	7	5	3	–	4-6	9	2500	1	3
	Gorleston ...	13·7	+6	W	2	id.	56	92	53	7	6	–	–	9	9	1000	1	3
	Mildenhall ...	14·2	+10	SW'W	2	zo	54	97	54	6	5	–	2	1	2-3	4000	1	*
	Cranwell ...	13·5	+4	WSW	3	zo	53	92	51	6	–	–	1	0	1	–	0	*
3	Birmingham ...	14·6	+8	SW	2	b	51	92	49	7	–	–	1	0	Tr	–	1	*
	Upper Heyford	15·0	+10	WSW	1	c/f	51	97	51	5	5	–	9	9	9+	200	1	*
4	Ross-on-Wye	14·9	+10	SW	2	b	52	85	49	8	1	–	1	Tr	1	2500	1	*
5	Hartland Point	15·2	+12	WNW	3	bc	57	85	51	8	2	4	–	4-6	4-6	2000	1	4
	Bristol ...	15·8	+16	SW	1	bc	56	85	53	7	8	4	4	4-6	4-6	4000	1	*
	Portland Bill ...	15·8	+14	W	4	c	59	85	55	8	5	7	–	4-6	9	4000	1	4
	Plymouth ...	17·3	+14	–	0	f$	48	97	46	4	2	3	9	2-3	9	2500	1	1
	The Lizard ..	16·5	+4	WNW	3	c-bc	55	85	51	8	8	3	–	7-8	7-8	2000	1	4
	Scilly (St. Mary's)	17·4	+14	WNW	4	c	57	75	50	8	8	7	3	7-8	9+	1200	1	4
	Guernsey ...																	
6	Pembroke ...	14·7	+6	W'N	5	c-bc	57	85	52	8	2	4	–	4-6	7-8	2500	0	3
7	Holyhead (Valley)	12·5	+10	WSW	5	b-bc	56	75	49	8	8	4	1	2-3	2-3	2000	1	3
	Chester (Sealand)	13·1	+16	–	0	b	54	75	48	7	2	–	1	Tr	1	3000	1	*
8	Manchester ...	13·0	+12	S'W	3	b-bc	50	97	49	7	2	4	–	1	2-3	2500	1	*
10	Spurn Head ...	12·5	+10	WSW	4	zo	54	92	51	6	5	6	2	2-3	4-6	4000	1	3
	Catterick (Sc.)...	11·3	+12	S	1	bc	55	92	52	8	8	3	–	2-3	4-6	3000	1	*
	Tynemouth ...	11·1	+14	SW	2	m	55	85	51	4	2	3	–	2-3	2-3	2500	1	2
11	St. Abbs Head	08·7	−20	SSW	3	b-bc	52	85	49	7	4	–	–	2-3	2-3	3500	0	3
	Leuchars ...	07·9	+14	WSW	3	bc	53	92	51	7	8	–	1	2-3	4-6	4000	1	*
12	Renfrew (Abbots I.)	08·0	+6	S'W	2	pr	54	85	50	6	8	7	–	4-6	9	800	1	*
	Eskdalemuir ...	09·1	+6	W	3	c-bc	50	92	48	6	5	7	–	7-8	7-8	1100	1	*
	Point of Ayre...	10·4	+8	W'S	4	c-bc	54	85	50	8	8	–	–	7-8	7-8	2500	0	3
13A	Tiree	05·1	+6	SW	3	c	54	85	50	8	8	6	3	4-6	9+	1500	1	3
13B	Stornoway ...	02·9	+4	S	5	pr	54	85	50	8	8	6	3	7-8	9	1600	1	3
15	Dalwhinnie ...	06·0	0	SW	3	id	50	85	46	7	8	–	1	4-6	4-6	1500	1	*
	Aberdeen † ...	07·0	+10	SW	2	b-bc	53	92	50	8	–	3	4	0	2-3	–	1	3
	Wick ...	05·2	0	SSW	1	c-bc	53	97	53	8	5	7	2	2-3	7-8	600	0	*
16	Sumburgh ..	04·1	−2	SW'W	3	ir.	54	97	44	7	5	7	–	4-6	10	200	1	4
17	Blacksod Point	10·1	+18	W'N	4	bc	54	75	46	8	8	–	–	4-6	4-6	1500	1	3
18	Malin Head ...	06·5	+14	SSW	4	pr	53	85	49	8	8	–	–	9	9	1500	2	3
	Aldergrove ...	09·6	+10	SW'S	2	c	52	92	50	8	5	7	–	9	9+	2500	1	*
19	Birr Castle ...	12·3	+22	SSW	1	c	52	92	50	8	8	7	–	7-8	9	1500	1	*
20	Valentia Obsy.	14·9	+14	SW	3	c/pr	53	85	49	8	8	–	–	9	9	4000	1	3
	Roches Point	14·9	+14	W	3	bc	52	97	51	8	5	–	–	4-6	4-6	2500	1	*

PAST 24 HOURS.

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

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 1st September $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 2nd September $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	52438	16268	5-	62438	11168	52	51645	00027	57	05651	17116
115	54	02844	20266				54	02854	16224	54	01963	16123
203							5-	64838	16428			
206	57	61735	16168	86	02864	20265	5-	01864	26214	54	01963	24123
210	52	58754	28268	87	02865	22261				54	01862	16223
219	8-	02854	16527	26	01952	16483	20	01843	16313	87	25854	18487
230	87	21955	00066	87	81963	16186	8-	81857	16127	8-	02857	16187
245	52	62534	17368	57	61545	18368	50	05518	20118	03	05630	22113
260	57	05644	20368	57	01874	20324				54	01853	20314
278	8-	02844	23264	54	01854	18314	5-	02854	22224	57	02847	22327
279	52	62636	18468	76	01853	20364	20	01853	20483	20	02845	19415
285	62	63635	20468	62	63625	18568				13	01743	24314
288	52	62454	15368	57	22663	15366	02	22530	17268	84	02775	18325
575	36	25855	20385	8-	02865	20325	51	02854	18415	96	81745	20386
301	52	22646	13368	57	22764	24266	50	01854	21414	3-	25855	21385
321	5-	61657	18327	52	61645	18367	57	05664	20265	00	05630	18210
299	53	05654	05654	5-	22647	18367	5-	22748	24268	40	05662	22302
302	52	52655	14268	67	61533	12368	57	05664	20125	50	05662	20122
310				--	42428	20428						
614	52	22634	20228	52	05646	20228	54	05662	22113	04	08490	22111

III	13h. G.M.T. 1st September $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 2nd September $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
388	57	22736	18467	86	01853	21424	50	01753	21313	20	01752	00013
334				--	10646	26387				--	02653	22114
340	52	64546	16368	52	64645	22268				54	01861	16213
136				57	22764	19365	57	61647	22368	54	05622	20314
336				62	62626	24368				21	25753	24386
850	57	63646	16228	57	02747	18368				50	42423	20244
368	5-	62643	20168	52	21646	28168	20	25754	26384	83	01754	20114
379	62	52517	18368	62	62417	18368	50	01753	24163	03	41530	22243
390	77	05655	20327	07	05690	18328	5-	61548	18268	50	05643	20215
382	62	22837	17368	52	02836	17367	50	01764	26264	57	41721	22144
438	73	01864	20214				5-	02795	22315	50	05654	20114
430	5-	21635	18268	52	21745	18268	5-	62648	18368	04	01790	26114
409	5-	02618	29368	57	02736	23328	20	01753	23383	27	02853	25315

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 2nd September
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
Kew ...	cd.r.c	cd.cm.r.rr.cm.		
Croydon	c	cd.d.m.e.r.d.bc		
Greenwich	cd.	ed.ep	cr.rrc	
Camden Square	c	c		Min. Time
Kensington	bccd	cdc		
Hampstead	or	orbc	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	65	53	47	0·2	3	0·0	*	*
Croydon	66	52	49	0·1	2	0·0	*	*
Greenwich	70	54	47	0·3	1	0·3	72	83
Westminster	66	54	49	2			86	91
Regents Park	66	53	50	Tr	3	2·6	73	82
Camden Square	66	54	49	–	3	*	*	83
Kensington	65	58	47	0·1	3		91	47
Hampstead	63	51	48	Tr	4		*	90

SECRET

Page 1

BRITISH SECTION

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

Friday 3rd September 1943

No. 29870

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

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)	17.5	+6	W'N	2	c	63	55	48	8	8	-	8	2-3	9+	2500
	Croydon	18.2	+6	N	3	c	63	55	48	8	2	6	-	7-8	9+	2000
	S. Farnborough	17.6	+6	N	3	c/pr	65	55	50	8	8	7	7	4-6	9+	2500
	Boscombe Down	17.7	+2	N'S	2	c	63	55	50	8	8	-	8	4-6	9	2500
	Thorney Island	17.7	+4	N	3	c	65	55	50	9	9	7	3	4-6	9	1500
	Lympne	17.2	+6	NW	1	cbc	67	55	52	8	4	-	1	7-8	7-8	6200
	Manston	16.9	+6	NW	3	Zo	66	55	49	6	2	3	5	4-6	7-8	5000
2	Shoeburyness	17.3	+2	N	3	cbc	69	45	49	6	2	-	6	2-3	7-8	4000
	Felixstowe	16.5	+2	NSW	3	cbc	69	55	51	8	1	-	8	4-6	7-8	4000
	Gorleston	15.0	+6	NNW	3	cbc	68	65	56	7	1	7	1	4-6	7-8	2500
	Mildenhall	16.2	+10	NSW	3	c	64	65	51	8	2	-	8	4-6	9+	2500
	Cranwell	15.4	+6	N	3	cbc	65	55	50	8	2	-	6	4-6	7-8	3500
3	Birmingham	16.4	+8	NSW	2	cbc	63	35	35	8	7	-	1	4-6	7-8	4000
	Upper Heyford	16.6	+8	N'N	3	c	63	55	48	8	2	-	6	2-3	9	4500
4	Ross-on-Wye	16.5	+4	NSW	3	bc	62	65	49	8	8	-	1	4-6	4-6	3500
5	Hartland Point	18.0	+10	WNW	2	c	60	75	51	8	2	-	8	4-6	9	2100
	Bristol	17.6	+6	N'N	4	c	63	65	52	8	2	-	2	4-6	9	4000
	Portland Bill	17.7	+6	N	4	cbc	62	85	59	8	2	4	-	4-6	7-8	4000
	Plymouth	19.0	+2	WNW	3	cbc	61	65	51	8	8	-	8	7-8	9+	3000
	The Lizard	18.7	+6	NNW	3	c/pr	60	85	54	8	8	6	-	7-8	7-8	2000
	Scilly (St. Mary's)	19.4	+8	NNW	3	c	63	66	53	8	8	7	-	4-6	9+	1200
	Guernsey															
6	Pembroke	17.9	+8	N	4	cbc	58	75	51	8	8	4	-	4-6	7-8	2500
7	Holyhead (Valley)	16.0	+10	N'S	4	c	60	75	50	9	8	6	-	4-6	9+	3000
	Chester (Sealand)	15.4	+14	N'N	3	c	60	65	50	8	8	-	2	7-8	9+	3200
8	Manchester	15.3	+8	N'N	2	c/pr	59	75	51	9	2	6	1	7-8	9+	3000
10	Spurn Head	14.9	+12	N	3	c	63	65	51	7	2	7	-	4-6	9	2500
	Catterick (Sc)	13.7	+14	SW	4	cbc/pr	62	75	54	8	8	-	1	7-8	7-8	4800
	Tynemouth	12.8	+10	N	3	bc/pr	65	65	51	7	2	-	-	4-6	4-6	2500
11	St. Abbs Head	10.0	+6	S	2	cbc	61	65	47	8	2	7	-	4-6	7-8	3000
	Leuchars	09.7	+10	SW	4	c/pr	60	75	51	7	8	6	-	7-8	9	3500
12	Renfrew (Abbots I.)	10.9	+16	N'N	4	cbc	57	75	49	8	8	7	-	7-8	7-8	2000
	Eskdalemuir	11.7	+8	N'S	4	pr	55	85	50	8	5	-	-	9	9	1500
	Point of Ayre	13.8	+16	N	5	b-bc	64	65	51	8	2	4	-	1	2-3	3000
13A	Tiree	09.7	+26	N'S	4	cbc	57	75	50	8	3	6	-	7-8	7-8	2000
13B	Stornoway	05.6	+18	SW	5	pr	57	75	49	8	8	6	9	4-6	9	2000
15	Dalwhinnie	09.0	+18	SW	4	c	52	85	47	8	5	6	-	7-8	9+	2500
	Aberdeen	09.0	+8	S	4	cbc	62	65	49	8	2	-	-	7-8	7-8	2500
	Wick	06.8	+8	SSE	2	cbc	61	85	54	9	6	7	5	7-8	7-8	2400
16	Sumburgh	06.7	+10	SSW	2	df	53	97	53	2	5	1	-	9	10	<150
17	Blacksod Point	13.6	+14	N'S	4	bc/pr	56	85	51	8	8	-	6	4-6	4-6	1500
18	Malin Head	10.9	+18	N	5	bc	56	65	44	8	2	-	-	4-6	4-6	2500
	Aldergrove	12.7	+10	SW'W	4	pr	59	55	45	8	8	4	-	7-8	9	2500
19	Birr Castle	15.2	+14	SW	2	cbc	59	65	47	9	3	7	-	2-3	7-8	1500
20	Valentia Obsy.	17.7	+10	N'S	3	c/pr	59	75	51	8	8	-	-	9	9	4000
	Roches Point	17.6	+6	N'S	3	bc	61	75	53	8	3	-	5	2-3	4-6	1500

OBSERVATIONS at 18h. G.M.T. 2nd September — 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. 2nd (39)	Weather 13h.–18h. 2nd (40)	Weather 18h. 2nd to 1h. 3rd (41)	Weather 1h.–7h. 3rd (42)
London (Kew)	18.1	+6	N'S	2	c	62	65	49	8	8	-	-	9+	9+	2500	1	•	cm₀c ⊕	cy	cybcbw	bbcm₀w
Croydon	18.7	+4	N	2	c	63	65	49	8	-	9	2	0	9	-	0	•	cy	cyc	bcm₀bm₀	bm₀wbcm₀w
S. Farnborough	18.2	+6	NSW	3	c	66	65	51	8	8	7	8	4-6	9	2000	0	•	bb ccproc	cyc	cbcb	bfbcm₀cm₀
Boscombe Down	18.4	+6	N'N	2	c	61	65	49	8	5	6	8	2-3	9	5000	0	•	c	cy	bbw	bm₀wbcm₀w
Thorney Island	18.5	+6	N'S	2	c	62	75	55	7	3	4	-	4-6	9	4000	0	•	c	c	cbbcb	bwbcwbc
Lympne	17.9	+6	NW	1	cbc	63	65	50	8	5	-	3	4-6	7-8	3000	0	§	bccy	cyc	cbcwb	bbm₀
Manston	17.5	+6	NW'N	2	cbc	64	65	48	7	2	6	2	1	7-8	3000	0	•	cbc	czoy	cybccbcm₀	bbcbm₀
Shoeburyness	17.8	+6	-	0	c	65	65	50	8	1	-	9	Tr	9	4000	0	•	ccm₀ czoy	czoyc	c	cbcm₀
Felixstowe	17.3	+6	N'S	3	c	66	55	51	8	1	-	9	1	9	4000	0	3	c	ccy	bccbyc	bcm₀
Gorleston	17.3	+14	ESE	1	cbc	62	75	54	7	5	7	2	2-3	7-8	2200	0	2	bcc	c	cz₀	bcz₀z
Mildenhall	16.9	+6	N	2	cbc	65	65	53	8	4	6	2	2-3	7-8	4000	0	•	bcc	cy	bcm₀bcb	bm₀bfcbf
Cranwell	16.6	+8	N'N	3	cbc	62	65	51	8	4	3	2	2-3	7-8	3000	1	•	bcc	cyb cycyc	bcc	bbcz₀
Birmingham	17.2	+8	WNW	2	c	61	55	46	8	7	7	-	2-3	9	4000	1	•	bbc	bcc	cb	bbc
Upper Heyford	17.3	+8	N'N	2	cbc	61	65	51	8	4	9	6	2-3	7-8	5000	0	•	cbm₀c	c	cbc	bbm₀w
Ross-on-Wye	17.7	+6	N	2	cbc	62	55	47	8	8	-	2	4-6	7-8	3500	1	•	bccbc	bccy	cb	bmwf
Hartland Point	19.1	+6	WNW	3	bc	58	75	49	8	2	4	4	4-6	4-6	2000	1	4	bcprc	cbc	bcbbc	bcc
Bristol	18.8	+12	WSW	3	c	59	75	52	8	2	6	3	Tr	9	4000	0	•	bcprocprocc	cc	cbcm₀wbm₀w	bccz₀
Portland Bill	19.3	+6	SW	4	c	60	85	56	8	5	-	-	9	9	4000	1	4	c	c	bc	bcc
Plymouth	20.0	+10	NW'N	3	bc	60	65	50	9	2	6	2	1	4-6	3000	0	2	cmwfm₀c	c	bw	cifwjf
The Lizard	20.1	+4	WNW	3	bc	60	85	54	8	2	-	-	4-6	4-6	3500	0	3	cptc	cbc	bcw	bcc
Scilly (St. Mary's)	20.4	+6	N'S	2	cbc	61	65	50	8	8	4	-	4-6	7-8	1200	0	3	c	cbcc	cp₀c	c
Guernsey																					
Pembroke	19.0	+6	N'S	5	bc	59	85	53	8	2	4	1	2-3	4-6	3000	0	3	c	bc	bcbbc	cpr₀
Holyhead (Valley)	17.3	+6	SW'N	4	c/pr	59	75	52	8	8	6	2	4-6	9	3000	1	3	bcc	cproc	cbcb	bcc
Chester (Sealand)	16.7	+6	N	1	c	59	75	60	8	8	4	6	4-6	9	3000	0	•	bcy	c	bcm₀	cbccm₀
Manchester	16.9	+6	WNW	3	cbc	59	65	48	7	2	6	2	4-6	7-8	2500	1	•	bb ccpr₀	cpr₀z₀	bcbm₀	bm₀b,cw
Spurn Head	16.6	+10	NW'N	4	cbc	62	75	53	7	7	3	2	4-6	7-8	2500	0	3	bc	bc	bcm₀	bcm₀
Catterick (Sc)	15.7	+12	SSW	3	bc	59	55	42	8	8	4	7	2-3	4-6	4000	0	•	bccproc	bcc	b	bc
Tynemouth	15.3	+12	N	3	bc	62	65	50	7	2	3	-	4-6	4-6	2500	1	2	cm₀mpbc	bccm₀bc	bcm₀	bcm₀
St. Abbs Head	13.0	+12	N	3	bc	60	55	43	8	5	4	-	4-6	4-6	3000	0	3	bcbbc	bcprbc	bc	bc
Leuchars	12.6	+18	NSW	4	b-bc	59	55	45	8	3	6	-	2-3	2-3	3000	0		bccpr₀	ccybcy	bcybm₀bw	bwbm₀bccm₀
Renfrew (Abbots I.)	13.7	+18	SW	4	pr	57	65	47	8	3	4	3	4-6	7-8	2000	1	•	cprc	cprobccpro	cpr₀bc	fgbm₀bcm₀
Eskdalemuir	14.8	+16	N'N	4	ro/ro	52	85	47	8	5	3	-	7-8	7-8	1600	1	•	rrcrcc	cprroroc	cr₀r₀bc	bcfbc
Point of Ayre	15.5	+8	NSW	2	b	59	75	52	8	4	-	-	1	1	3000	1	2	cbccb	bpreb	b	bbccw
Tiree	12.0	+18	SW	4	bc	55	75	47	9	2	6	9	2-3	4-6	2000	1	4	cprocbcc	bcy	bcb	bbccjp
Stornoway	08.4	+16	SW	5	cbc	55	75	47	8	8	2	-	7-8	7-8	2200	1	3	cproc	cbcc	bc	bcpr₀
Dalwhinnie	12.0	+14	SW	3	b-bc	51	75	42	8	7	-	-	2-3	2-3	2500	0		bcproc	cprob		bcir₀o
Aberdeen	11.5	+18	SSW	1	bc	60	75	51	8	4	4	-	4-6	4-6	4500	1	1	bbcc	cbcprobc	bcbcw	bw
Wick	10.0	+12	SW	1	bc/pr	57	85	53	8	7	4	-	4-6	4-6	4000	1		bbc	cproroc	bccb	b
Sumburgh	09.0	+14	S'W	3	bc	56	85	51	8	5	-	-	4-6	4-6	2500	1	2	ciroof	dfbcb	bcb	bwb
Blacksod Point	15.3	+10	WSW	4	c/pr	55	75	47	8	8	-	9	9	9	1500	1	4	pr	pr	bc	bc
Malin Head	13.2	+14	WSW	5	pr	54	75	47	8	2	-	-	7-8	7-8	2500	2	4	pr	pr	b	pr
Aldergrove	15.4	+10	N	3	pr	57	65	46	8	8	4	-	4-6	4-6	3000	1	•	ccpro	cprocbcc	pr₀bcPRb	bcbbcc
Birr Castle	16.5	+8	SW	2	bc	59	65	47	8	2	-	-	4-6	4-6	1500	1	•	pr	bc	•	c
Valentia Obsy.	18.9	+10	N'S	3	c	56	65	44	8	8	3	3	7-8	9+	5700	1	3	pr	bc	pr	pr
Roches Point	18.7	+10	N	3	cbc	58	75	50	8	5	-	-	7-8	7-8	2500	1	3	pr	bc	c	c

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

Districts	Forecast
1 S.E. England; 2 E. England	Light north or northeast wind; mainly fair but local showers near East coast; rather cool.
3 E. Midlands; 4 W. Midlands; 5 S.W. England	Light variable wind; fair; local mist or fog night and morning; rather cool.
6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Wind southwest becoming south to southeast, or variable light; mainly fair; local showers at first in west; local valley mist or fog in early morning; rather warm.
16 Orkneys and Shetlands; 17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland	As 6–15.
20 S. W. Ireland	Wind south to Southeast light or moderate; fair at first, light rain later; rather warm.

GENERAL INFERENCE

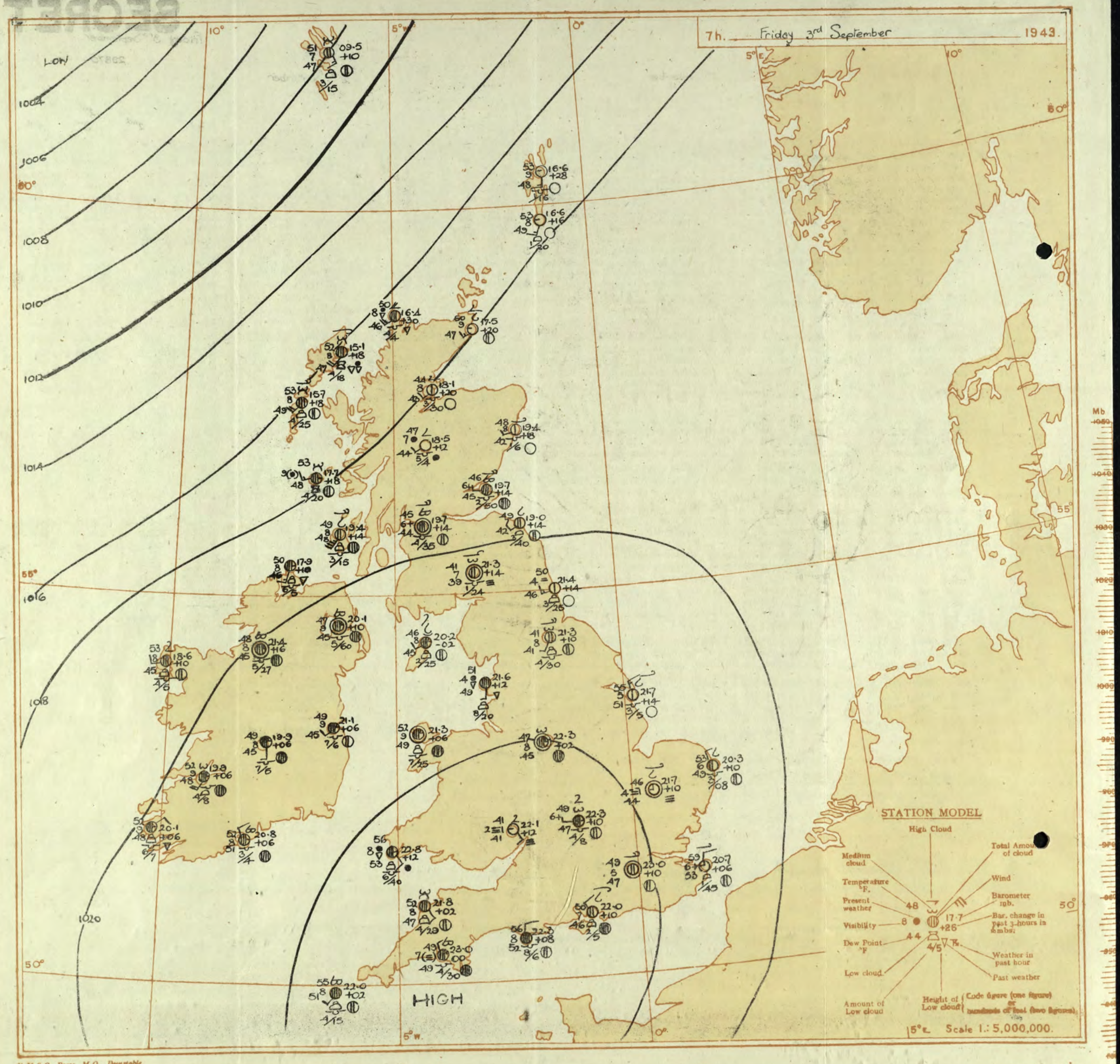
An anticyclone over the western English channel is moving North-northeast and will dominate the British Isles. A weak depression will affect Southwest Ireland.

FURTHER OUTLOOK

Fair over most of Great Britain; temperatures rising slightly.

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.

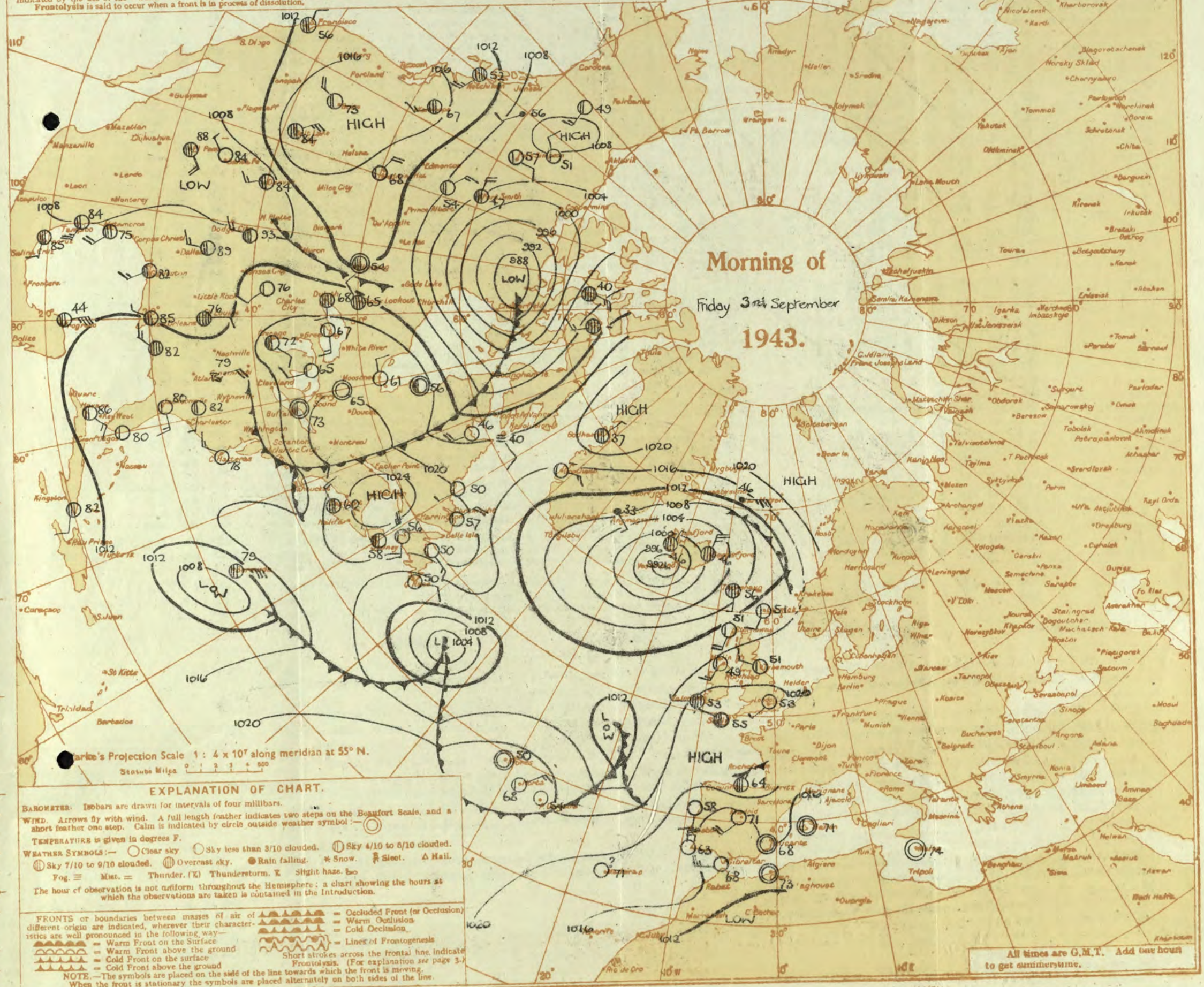
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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. (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.

Page 4. BRITISH SECTION

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

Friday 3rd September, 1943

No.: 29870

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

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	21·2	+8	SW	1	z₀	53	92	50	5	–	–	–	0	0	–
	S. Farnborough	226	21·1	+8	NNW	2	b	50	92	48	7	–	–	–	0	0	–
	Boscombe Down	417	21·4	+6	–	0	b	48	92	46	6	5	–	–	Tr	Tr	4000
	Thorney Island	10	21·1	+8	NW	1	b	51	92	49	8	–	3	–	0	1	–
	Lympne	283	20·6	+6	N'W	2	b-bc	53	92	50	7	–	–	4	0	2-3	–
	Manston	154	20·2	+10	W	1	z₀	55	75	47	6	–	–	1	0	2-3	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	19·5	+6	W	1	c-bc	59	75	52	7	–	2	–	0	7-8	–
	Gorleston	5	18·2	+2	NW'N	2	z₀	56	85	51	6	–	–	8	0	2-3	–
	Mildenhall	15	19·6	+10	–	0	z₀	50	97	50	6	5	4	–	Tr	2-3	4000
	Cranwell	203	20·4	+8	W	2	z₀	52	85	48	6	–	7	–	0	1	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·8	+10	NW	1	b-bc	48	85	43	8	5	–	1	1	2-3	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·2	+4	W	3	b-bc	56	75	46	8	1	4	–	2-3	2-3	2500
	Bristol	209	21·5	+6	SW	1	z₀	50	92	47	6	–	4	–	0	1	–
	Portland Bill	32	21·3	+12	W	3	b-bc	58	85	54	8	1	–	–	2-3	2-3	4000
	Plymouth	86	23·5	+14	–	0	fs	46	97	46	7	4	–	–	2-3	2-3	2500
	The Lizard	240	22·1	+2	NW	2	bc	54	92	52	7	5	–	–	4-6	4-6	2000
	Scilly (St. Mary's)	163	21·7	-4	NW'W	2	c	55	85	51	8	8	–	–	9+	9+	1500
	Guernsey	175															
6	Pembroke	142	20·9	+4	W'N	4	bc	57	86	52	8	2	4	–	2-3	4-6	4000
7	Holyhead (Valley)	32	20·2	+10	W	2	bc	53	85	49	8	7	–	–	4-6	4-6	6000
	Chester (Sealand)	16	18·9	+4	–	0	c	54	85	49	6	8	2	–	4-6	9	3000
8	Manchester	230	20·0	+8	S	2	z₀	49	92	46	6	4	–	–	Tr	Tr	2500
10	Spurn Head	29	20·3	+10	W'N	2	z₀	55	85	52	6	7	–	–	2-3	2-3	4000
	Catterick (Sc)	192	19·9	+10	–	0	b	46	97	46	8	4	–	–	Tr	Tr	3000
	Tynemouth	108	19·4	+10	NW	2	z₀	51	75	44	6	2	–	–	2-3	2+3	2500
11	St. Abbs Head	280	16·7	+?	SW	3	b	48	85	44	7	5	–	–	1	1	4000
	Leuchars	36	17·4	+14	WSW	2	b	47	85	43	7	5	–	–	1	1	3000
12	Renfrew (Abbots I.)	19	17·4	+10	SSW	1	b-bc	48	92	46	7	4	–	–	2-2	2-3	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	17·6	-2	WSW	2	b	47	92	45	8	4	–	–	Tr	Tr	3000
13A	Tiree	44	15·4	+14	WSW	2	b-bc	51	85	46	9	8	–	–	2-3	2-3	2000
13B	Stornoway	12	12·1	+14	SSW	4	b-bc	51	85	47	8	3	–	3	2-3	2-3	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	16·7	+16	–	0	b	42	92	40	8	3	–	–	Tr	Tr	2500
	Wick	114	14·1	+14	S	3	z₀	47	92	45	6	5	–	–	Tr	Tr	1500
16	Sumburgh	19	13·7	+18	SW	2	b	54	92	51	8	5	–	–	Tr	Tr	3000
17	Blacksod Point	18	17·3	+4	W	3	bc	53	75	46	8	8	–	–	4-6	4-6	1500
18	Malin Head	84	16·0	+8	S'W	3	b-bc	49	85	44	8	2	–	–	2-3	2-3	2500
	Aldergrove	268	18·6	+10	S'W	2	b-bc	47	92	45	8	5	–	–	2-3	2-3	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	20·1	+2	W'S	1	°/pr	53	85	48	9	5	–	–	10	10	2500
	Roches Point	22	20·5	0	W	3	bc	54	85	49	8	5	–	–	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 3rd September — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 2nd Hrs. (38)
London (Kew)	21·7	+8	–	0	z₀	51	85	47	5	5	–	–	4-6	4-6	4000	1	*	66	49	33	–	–	3·8
Croydon	23·0	+10	–	0	z₀	49	92	47	5	–	–	2	0	4-6	–	1	*	68	48	39	–	Tr	6·6
S. Farnborough	22·7	+12	WNW	2	z₀	46	85	44	6	7	4	2	4-6	7-8	5700	0	*	67	42	32	Tr	–	5·7
Boscombe Down	22·7	+10	–	0	fg	47	97	46	6	4	–	4	1	7-8	4000	0	*	65	42	41	–	Tr	5·0
Thorney Island	22·0	+10	NW'W	2	bc	50	85	46	7	2	4	3	1	4-6	2500	0	*	70	46	39	–	–	*
Lympne	21·3	+6	N'W	2	z₀	54	85	50	6	–	–	–	0	0	–	0	§3	71	50	45	–	–	7·8
Manston	20·7	+6	N'E	2	z₀	55	85	53	6	1	–	1	Tr	1	4500	0	*	69	52	42	–	–	6·7
Shoeburyness	21·5	+8	N'W	1	z₀	52	85	49	6	–	3	–	0	4-6	–	0	*	70	48	41	–	–	8·1
Felixstowe	21·2	+6	NW	2	z₀	52	92	50	6	5	2	–	2-3	2-3	5700	0	2	70	50	47	–	–	[illegible]
Gorleston	20·3	+10	NW	1	z₀	53	92	51	6	5	4	–	2-3	4-6	800	0	1	68	51	47	–	–	6·9
Mildenhall	21·7	+10	–	0	m	46	92	44	4	–	4	1	0	1	–	0	*	68	42	37	–	–	6·9
Cranwell	21·9	+8	W'N	1	z₀	50	92	48	5	5	–	1	4-6	4-6	4000	0	*	67	48	44	–	–	12·0
Birmingham	22·3	+8	SW	1	c-bc	50	85	46	7	–	3	9	0	7-8	–	1	*	64	45	32	–	–	6·8
Upper Heyford	22·3	+10	W	1	z₀	49	92	47	6	5	3	6	4-6	9	7000	0	*	65	42	36	–	–	*
Ross-on-Wye	22·1	+12	SE	1	bf–	41	97	41	2	–	–	6	0	Tr	–	1	*	65	40	35	–	–	6·2
Hartland Point	21·8	+2	SE	2	c-bc	52	85	47	8	2	6	–	4-6	7-8	2900	0	4	61	50	47	1	–	5·1
Bristol	22·6	+8	–	0	z₀	49	97	48	6	5	–	2	4-6	9	6900	0	*	65	42	33	Tr	–	7·0
Portland Bill	22·3	+8	N	2	c	56	85	52	8	5	–	–	10	10	4000	1	4	62	53	*	–	–	*
Plymouth	23·0	0	NW	1	cjf	49	97	49	7	5	7	–	4-6	9+	3000	0	1	64	44	40	–	–	2·8
The Lizard	21·8	0	–	0	c	55	85	51	8	8	2	–	7-8	9+	2000	0	3	63	53	*	Tr	–	6·4
Scilly (St. Mary's)	22·5	+2	SW'S	2	c	55	85	51	8	8	7	–	4-6	10	1500	0	2	64	54	*	Tr	Tr	5·8
Guernsey																							
Pembroke	22·8	+12	SE	1	pr	56	92	53	8	8	–	–	9	9	4000	1	2	61	53		–	0·5	7·0
Holyhead (Valley)	21·3	+6	–	0	c	52	85	49	9	8	–	–	2-3	9+	2500	1	1	63	49	39	1	–	*
Chester (Sealand)	21·8	+6	–	0	c	51	92	49	5	5	7	–	7-8	10	4500	0	*	64	47	39	Tr	Tr	1·7
Manchester	21·7	+10	–	0	z₀	49	97	48	6	4	3	–	4-6	9+	2500	1	*	60	46	39	Tr	–	*
Spurn Head	21·7	+14	NW	3	z₀	55	85	51	5	5	4	1	2-3	2-3	2500	0	2	66	53	*	–	–	8·2
Catterick (Sc)	21·3	+10	SSW	1	bc	41	97	41	8	8	3	2	4-6	4-6	3000	0	*	63	40	39	Tr	–	8·0
Tynemouth	21·4	+14	WSW	3	m	50	85	46	4	2	–	–	2-3	2-3	2500	0	2	64	48	46	0·2	–	*
St. Abbs Head	19·0	+14	SW	2	bc	49	75	42	7	1	4	–	2-3	4-6	4000	0	2	64	47	*	Tr	–	*
Leuchars	19·7	+14	W	1	z₀	46	97	45	6	5	7	2	1	7-8	5000	1	*	63	43	35	Tr	–	*
Renfrew (Abbots I.)	19·7	+14	–	0	z₀	45	92	44	6	5	7	2	4-6	7-8	3500	1	*	61	41	31	1	0·1	6·6
Eskdalemuir	21·3	+14	–	0	bc	41	92	39	7	5	3	8	Tr	4-6	2400	1	*	58	35	30	2	Tr	3·3
Point of Ayre	20·2	-2	WSW	2	c	46	97	45	8	2	9	4	1	9+	2500	0	2	65	45	*	0·3	–	8·9
Tiree	17·7	+18	W'S	3	cjp	53	85	48	9	3	6	–	4-6	9	2000	1	2	60	50	45	1	0·3	5·4
Stornoway	15·1	+18	SSW	4	c-bc/prs	52	85	47	8	3	6	3	4-6	7-8	1800	0	3	61	49	45	2	Tr	5·4
Dalwhinnie	18·5	+12	SW	2	ir₀	47	85	44	7	3	1	–	7-8	10	1500	1	*	56	43	36	0·2	0·5	6·6
Aberdeen †	19·4	+18	WSW	1	b-bc	48	75	42	8	5	–	1	Tr	2-3	4000	1	1	64	44	33	Tr	–	8·4
Wick	17·5	+20	SW	3	b	50	85	47	9	–	4	5	0	Tr	–	0	*	63	46	40	2	Tr	*
Sumburgh	16·6	+16	S'W	3	b	53	85	49	8	1	–	–	Tr	Tr	2000	1	2	57	51	43	0·1	Tr	2·0
Blacksod Point	18·6	+10	W'S	2	c-bc	53	75	45	8	8	–	6	4-6	7-8	2500	1	2	59	50	*	0·5	Tr	*
Malin Head	17·9	+10	S'W	3	c	50	85	46	8	8	–	–	9	9	2500	2	3	59	48		2	Tr	7·1
Aldergrove	20·1	+10	–	0	c	47	92	45	9	5	7	–	7-8	9+	6000	1	*	61	43	39	0·3	3	7·1
Birr Castle	19·9	+6	S	1	c	49	92	47	8	5	–	–	9+	9+	2500	1	*	61	47	42	2	–	5·3
Valentia Obsy.	20·1	+6	NE	2	c	52	85	48	9	8	–	–	9	9	5700	1	2	60	50	47	0·1	0·2	4·9
Roches Point	20·8	+6	NW	2	c	52	97	51	8	5	7	–	2-3	9	1500	1	3	62	52		0·3	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 2nd September $C_L C_M$	wwVbNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVbNh	DDFWN	01h. G.M.T. 3rd September $C_L C_M$	wwVbNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVbNh	DDFWN
109	24	01763	16303	87	22764	19265	8-	01753	2023	14	01862	19202
115	57	02844	20427	24	02953	53523	57	02954	20484	52	81844	20485
203	8-	81846	24486									
206	26	25964	20487	24	01963	23583	50	01861	24211	50	01863	20203
210	22	81964	20417	20	01964	22324	00	00990	16100	53	01961	18203
219	8-	02854	20525	24	01754	18624	2-	01853	19583	26	01854	20415
280	86	10954	19484	36	10854	22485	8-	25955	2085	83	25855	141×5
245	26	02754	18414	86	01952	22383	00	00890	26100	04	01890	28103
260	83	25854	20485	5-	25854	20414	5-	01854	20214	57	01853	20214
278	86	02855	22327	86	25854	23383	00	00890	20380	8-	02867	00027
279	2-	25854	22584	23	01953	20424	20	81848	24285	87	81256	17287
285	23	01844	24684	23	01844	24485				13	01852	26213
288	86	25854	20485	24	01953	21814	50	01862	17212	54	01861	19114
575	26	25855	25385	36	25856	24487	50	01864	20214	57	02875	00027
801	26	02854	22415	23	01353	23415	10	01852	22212	2-	81458	16188
321	16	02763	24326	46	05660	25225	04	05590	18112	53	08464	24116
298	24	02754	22315	54	01753	24213	40	01751	24101			
292	26	02854	19425	24	02961	20315	40	01752	00012			
310				--	01634	24114						
614	86	02755	20216	26	02764	30227	04	05590	00013	03	05690	00015

III	13h. G.M.T. 2nd September $C_L C_M$	wwVbNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVbNh	DDFWN	01h. G.M.T. 3rd September $C_L C_M$	wwVbNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVbNh	DDFWN
388	23	02863	22426	86	02863	22425	07	01790	00004	27	02864	29127
384	--	02743	26314	--	02753	26314						
340	8-	25954	24385	87	02953	26225	50	01853	18203	54	02854	15126
136	20	02864	24315	26	01863	25215	00	05690	32113	50	05672	28102
336	10	01754	28414	13	01752	24313				--	46209	20249
850	20	02854	22325	87	02864	22215	50	01772	24112	03	05590	22105
368	83	02854	26185	26	02753	24225	10	01763	00013	57	02755	10127
379	10	02854	24325	57	02864	24225	07	01790	28211	03	02890	00015
390	21	02764	24325	26	01761	20124	04	05690	00012	50	05665	00025
382	20	10854	23457	46	02866	24227	00	05690	00010	54	02964	00045
438										50	05662	32313
430	5-	02865	24327	53	02864	24225	00	05690	00000	53	05673	26126
409	27	02854	26326	20	01954	27324	57	02754	00024	87	02875	14127

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 September
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	cm₀c⊕	cy	cybcbwm₀w
Croydon	cy	cyfc	bcmcm₀w
Greenwich	c⊕y	c⊕cy	cbc bwbcm₀
Camden Square	c	c	*
Kensington	bczbc	bcc	*
Hampstead	bc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ending 7h. Max. [illegible] Time 0·3 6-7h 3rd. Min. Time <0·1 9-20h 2nd.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	65	49	33	–	–	3·8	*	*
Croydon	68	48	39	–	Tr	6·6	*	*
Greenwich	69	46	33	–	Tr	4·9	49	66
Westminster	69	49	42	–			67	73
Regents Park	67	47	38	–	–		53	55
Camden Square	68	48	40	–	–	*	*	67
Kensington	68	48	38	–	–		59	57
Hampstead	68	48	42	–	–		*	57

SECRET

Page 1

BRITISH SECTION

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

Saturday 4th September 1943

No. 29871

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base (feet) (15)
1	London (Kew)	22.3	-2	NNW	2	Zo	65	55	45	6	2	7	7	4-6	9+	4000
	Croydon ...	22.7	-4	NW	1	c	64	55	49	7	2	–	7	4-6	10	3300
	S. Farnborough	22.2	-6	NNW	2	c	62	55	46	8	1	3	7	1	9+	4000
	Boscombe Down	23.0	+4	–	0	c	61	55	44	8	1	7	–	2-3	9+	3000
	Thorney Island	22.7	+2	WNW	1	c	64	65	50	9	7	7	–	4-6	10	4600
	Lympne ...	22.6	+10	E'S	2	PR	60	85	55	7	9	2	–	7-8	9+	2000
	Manston ...	22.3	+8	NNE	3	c-bc	65	65	51	8	8	5	3	4-6	7-8	3000
2	Shoeburyness ...	22.8	+2	E'S	2	c	65	55	48	8	7	4	6	4-6	9+	4000
	Felixstowe ...	22.5	-4	E	3	c-bc	66	65	51	8	1	–	–	7-8	7-8	1500
	Gorleston ...	21.9	+2	NNE	3	bc	62	75	53	7	8	4	1	4-6	4-6	1500
	Mildenhall ...	23.0	+6	–	0	c	65	55	48	8	2	–	8	4-6	9+	4000
	Cranwell ...	22.6	0	NSW	1	c	63	55	49	7	8	6	6	7-8	9+	3000
3	Birmingham ...	23.2	+2	WSW	1	c	60	55	44	7	8	7	–	4-6	10	2500
	Upper Heyford	22.6	+2	S	1	c	61	45	40	8	2	1	7	4-6	10	4000
4	Ross-on-Wye	23.0	0	NSW	2	c	59	65	47	7	2	7	–	Tr	10	3000
5	Hartland Point	22.7	-4	N	2	c	59	65	46	9	2	7	–	2-3	10	2000
	Bristol ...	23.5	+4	W	1	c	60	65	49	8	1	7	–	2-3	10	2500
	Portland Bill ...	23.0	-4	W	3	c	61	85	58	8	5	–	–	10	10	4000
	Plymouth ...	24.0	+2	SW	1	c	59	75	51	8	8	7	–	2-3	9+	3000
	The Lizard ...	22.9	0	NSW	2	bc	65	65	54	8	2	3	–	4-6	4-6	2500
	Scilly (St. Mary's)	22.9	-4	SW	3	cjp	61	65	50	8	8	8	–	7-8	9+	1800
	Guernsey ...															
6	Pembroke ...	23.1	+2	S	2	c	59	75	49	8	8	6	–	4-6	9+	2500
7	Holyhead (Valley)	22.9	+2	SW	2	bc	61	65	52	8	1	7	2	1	4-6	3000
	Chester (Sealand)	22.9	+6	–	0	c	61	65	50	7	8	3	–	4-6	10	4000
8	Manchester ...	22.5	+2	SW	1	c	61	55	47	7	2	3	2	4-6	9	2500
10	Spurn Head ...	23.2	+4	E	2	c-bc	61	65	50	8	2	3	2	4-6	7-8	4000
	Catterick (Sc) ...	22.7	+6	W	2	c-bc	60	65	48	8	7	3	1	4-6	7-8	3000
	Tynemouth ...	23.0	+4	E	2	bc	59	75	50	7	2	–	–	4-6	4-6	2500
11	St. Abbs Head	21.3	+10	NE	4	c	57	75	49	9	2	6	–	4-6	9	3500
	Leuchars ...	21.3	+4	SW	3	c	59	65	45	7	8	7	1	4-6	9	2500
12	Renfrew (Abbots I.)	21.4	+8	SW'W	3	c-bc	60	55	43	8	8	3	6	4-6	7-8	2500
	Eskdalemuir ...	21.6	+2	W	2	c-bc	58	65	48	8	8	4	–	7-8	7-8	2700
	Point of Ayre ...	22.6	+10	NW	4	c-bc	59	75	49	8	2	4	2	1	7-8	1800
13A	Tiree ...	20.2	+12	SSW	3	bc	57	75	47	9	2	6	–	2-3	4-6	2000
13B	Stornoway ...	18.1	+8	SW	2	c/pr	57	75	49	8	2	6	–	4-6	9	2000
15	Dalwhinnie ...	20.5	+10	SW	3	c	52	75	44	8	5	7	–	4-6	9	2500
	Aberdeen ...	21.1	+4	SSE	3	c-bc	58	65	47	7	8	–	1	4-6	7-8	2500
	Wick ...	19.8	+8	SSW	3	b-bcjp	61	75	52	8	8	–	–	2-3	2-3	2500
16	Sumburgh ...	207	+14	SW'S	3	b	56	75	49	8	1	–	2	Tr	Tr	2000
17	Blacksod Point	20.1	+2	S	3	c-bc	60	65	48	9	8	–	–	7-8	7-8	2500
18	Malin Head ...	19.8	+6	NW'W	3	pr	56	75	48	8	2	–	–	7-8	7-8	2500
	Aldergrove ...	21.6	+4	W'S	1	c	58	75	50	9	2	7	8	4-6	9	3000
19	Birr Castle ...	20.8	0	S	1	c-bc	61	65	49	8	4	–	–	7-8	7-8	2500
20	Valentia Obsy.	19.9	-6	SSE	3	c-bc	63	65	51	9	8	–	1	7-8	7-8	2500
	Roches Point	21.8	0	SSE	3	bc	62	75	54	8	2	3	1	2-3	4-6	2500

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

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)	22.8	+2	NW	2	Zo	68	55	45	6	8	3	–	9	9+	2500	0	•
	Croydon ...	23.1	+2	NW	1	Zo	62	55	49	6	5	–	–	4-6	9+	3000	0	•
	S. Farnborough	22.8	0	WNW	2	bc	64	45	43	8	4	4	–	2-3	4-6	3000	0	•
	Boscombe Down	22.6	-2	–	0	b-bc	61	55	44	8	1	3	–	1	2-3	4000	0	•
	Thorney Island	22.4	-4	W'N	1	b	68	56	48	8	1	7	–	Tr	1	4000	0	•
	Lympne ...	22.3	-2	N	2	c	58	85	45	6	5	2	–	9	10	2700	1	1
	Manston ...	22.4	+4	E	2	c	61	65	49	8	5	7	7	4-6	10	6500	0	•
2	Shoeburyness ...	23.0	+2	E'S	2	c	63	75	53	8	2	6	–	9	9+	2500	0	•
	Felixstowe ...	23.1	+10	NNE	3	c	61	85	57	8	5	3	1	2-3	9	4000	0	2
	Gorleston ...	22.7	+6	NNE	2	c	61	75	52	7	5	7	2	4-6	9	2900	0	2
	Mildenhall ...	22.9	+2	NE	2	c	61	55	46	8	5	3	1	2-3	9	1500	0	•
	Cranwell ...	22.6	-2	NE	1	c-bc	62	65	49	8	4	3	–	2-3	7-8	4000	0	•
3	Birmingham ...	23.2	0	–	0	Zo	68	55	42	6	5	3	–	2-3	4-6	2500	1	•
	Upper Heyford	22.6	-2	–	0	b-bc	61	55	42	8	4	3	–	1	2-3	4500	0	•
4	Ross-on-Wye	22.8	0	WSW	2	b	60	55	45	7	8	–	–	1	1	3500	1	•
5	Hartland Point	22.7	-2	WNW	1	bc	58	75	49	9	2	4	–	2-3	4-6	2500	0	3
	Bristol ...	23.3	0	WNW	2	c-bc	60	65	49	7	2	3	–	Tr	7-8	4000	0	•
	Portland Bill ...	22.7	-4	W	3	b-bc	63	85	60	8	1	–	–	2-3	2-3	4000	1	3
	Plymouth ...	23.2	-8	S	2	b-bc	59	75	51	8	2	6	–	1	2-3	2500	0	1
	The Lizard ...	22.7	+2	–	0	b-bc	60	85	54	8	1	3	–	2-3	2-3	3500	0	3
	Scilly (St. Mary's)	22.1	-6	SSE	2	c	59	85	53	9	8	4	–	7-8	9	1800	0	3
	Guernsey ...																	
6	Pembroke ...	23.0	-2	S	2	b-bc	59	85	53	9	2	4	1	2-3	2-3	3000	0	2
7	Holyhead (Valley)	22.9	-2	S	1	b-bc	59	65	47	9	8	4	5	1	2-3	5000	1	1
	Chester (Sealand)	22.5	-2	–	0	c	61	65	48	8	8	3	–	4-6	9	3500	0	•
8	Manchester ...	22.8	+2	–	0	Zo	59	85	53	6	2	3	1	2-3	7-8	3000	0	•
10	Spurn Head ...	23.5	+2	E'S	2	c	59	75	49	8	7	3	–	4-6	9	2500	0	2
	Catterick (Sc) ...	23.1	+2	S	1	bc	57	75	50	8	2	3	9	2-3	4-6	3000	0	•
	Tynemouth ...	27.7	+4	SSE	2	c	56	85	50	7	8	–	–	9	9	2400	0	2
11	St. Abbs Head	21.2	-4	SE	3	c-bc	55	85	49	8	4	4	–	4-6	7-8	3500	0	3
	Leuchars ...	21.8	+4	SSW	3	bc	59	75	49	7	8	3	–	4-6	4-6	5000	0	•
12	Renfrew (Abbots I.)	22.6	+2	SW	1	bc	54	65	46	9	2	7	–	2-3	4-6	2500	0	•
	Eskdalemuir ...	21.6	+6	W'N	2	c/pr	54	75	46	8	8	4	–	7-8	9	4500	1	•
	Point of Ayre ...	22.5	0	SE	3	pr	56	85	52	8	9	4	–	1	7-8	3000	1	2
13A	Tiree ...	21.1	+4	SSW	3	b-bc	56	75	48	9	8	6	1	1	2-3	5000	1	2
13B	Stornoway ...	20.1	+8	SSW	3	c/pr	54	75	47	8	3	6	–	4-6	9	3500	1	2
15	Dalwhinnie ...	21.0	+4	SSW	2	c	52	75	43	8	5	–	–	9+	9+	2500	0	•
	Aberdeen ...	21.8	+6	S	3	b-bc	57	75	48	8	8	3	–	2-3	2-3	2500	1	2
	Wick ...	21.7	+10	S'E	1	pr	55	85	52	8	3	6	–	4-6	7-8	2000	1	•
16	Sumburgh ...	22.1	+6	S'E	2	b	55	85	51	8	1	–	1	Tr	Tr	2500	0	2
17	Blacksod Point	18.9	-12	–	0	bc	58	75	50	8	8	–	–	4-6	4-6	2500	1	1
18	Malin Head ...	20.3	+2	ENE	2	c-bc	57	75	49	8	2	–	–	7-8	7-8	2500	2	2
	Aldergrove ...	21.6	-2	SW	1	bc	56	75	49	9	2	3	–	1	4-6	3000	1	•
19	Birr Castle ...	20.1	-4	SSW	2	c	59	75	51	8	5	1	–	7-8	9+	2500	1	•
20	Valentia Obsy.	17.8	-14	SE	4	c	59	75	51	9	7	7	–	2-3	10	4000	1	3
	Roches Point	20.6	-10	SSE	4	bc	59	85	55	8	2	–	5	1	4-6	2500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 3rd (39)	Weather. 13h.–18h. 3rd (40)	Weather. 18h. 3rd to 1h. 4th (41)	Weather. 1h.–7h. 4th (42)
1	London (Kew)	bcczow	czoy	bcbzow	bbcmow
	Croydon ...	bcmoczo	czoy	czybmbmgw	bcwbmgw
	S. Farnborough	cmocyc	cbcy	bbcbmo	bzo
	Boscombe Down	c	cybcy	bmofgw	bmowbc
	Thorney Island	bcwcwc	cbcb	b	bfgbbcw
	Lympne ...	cmocpro	cproc	cbcbmo	bmob
	Manston ...	bcmo	c	bcb	bbccmzob
2	Shoeburyness ...	bcmobc	c	cRRc	cbc
	Felixstowe ...	bcy cycbc	bcc	by	b
	Gorleston ...	bc	c	cbzw	bczow
	Mildenhall ...	bmcy	cy	cycbcb	bmobfmo
	Cranwell ...	cmocy	cyc	cbcbbmo	bmobcfmo
3	Birmingham ...	c	cbcz	bcm	bcm
	Upper Heyford	ccy	cybcy	bcybmo	bmobmgw
4	Ross-on-Wye	cfcc	cbcy	bbw	bmwcmo
5	Hartland Point	c	cvbc	bcbbc	bcc
	Bristol ...	cmocr	cbcbbc	cbcbmbmw	bmwfwcmgw
	Portland Bill ...	c	bc	bc	bcc
	Plymouth ...	cmoifroroc	cbc	bmobcmgw	cbmot
	The Lizard ...	cbc	bc	bcc	c
	Scilly (St. Mary's)	c	c	cbc	bcc
	Guernsey ...				
6	Pembroke ...	c	cbc	bc	cprog
7	Holyhead (Valley)	c	bcy	bw	bcwc
	Chester (Sealand)	czo	cprobc	bcbmom	b, bcff
8	Manchester ...	cmo	cyzo	bffmgw	bbcmogw
10	Spurn Head ...	c	c	bc	bc
	Catterick (Sc) ...	bcc	cbc	cbc	bmobcmgw
	Tynemouth ...	bccmo	bcc.	bcmo	bcff
11	St. Abbs Head	bbcc	c	cbc	bc
	Leuchars ...	bcmocmoc	cbcybc	bccbw	bwmocfg
12	Renfrew (Abbots I.)	cmocmprobcybcybcy	bcybcmbgw	bmomgw	
	Eskdalemuir ...	bcc	cproc	cb	bbcc
	Point of Ayre ...	c	bcproc	b	cb
13A	Tiree ...	bcy cproccubcbcybcb			dbcc
13B	Stornoway ...	bccproc	cproc	cbcbbcc	c
15	Dalwhinnie ...	orc	cbcc		cb prb
	Aberdeen ...	bwbc	bccbc	bcbw	bwbcc
	Wick ...	bbcjp	bccpro	bcc	ccjpmocw
16	Sumburgh ...	b	b	b	bwbc
17	Blacksod Point	bc	bc	r	r
18	Malin Head ...	pr	pr	c	r
	Aldergrove ...	bcc	cbccbc	bcbbcc	circ
19	Birr Castle ...	c	c		r
20	Valentia Obsy.	bc	c	r	r
	Roches Point	c	bc	r	r

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

Districts	Forecast
1 S.E. England 2 E. England .. 3 E. Midlands ...	Moderate south to southeast wind, fresh locally; fair at first; perhaps slight rain tomorrow morning; rather cool.
4 W. Midlands 5 S.W. England ↓ South Wales ↓	Moderate or fresh southeast to south wind, fresh or strong locally; cloudy; rain later; rather cool.
7 North Wales ↓ 8 N.W. England ↓	Fresh or strong South wind, gale locally; occasional rain; rather cool.
9 N. Midlands ... 10 N.E. England	Fresh Southeast to South wind, strong locally; cloudy; rain later; rather cool.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man ↓ 13A W. Scotland ... ↓ 13B N.W. Scotland ↓ 14 Mid Scotland 15 N.E. Scotland ↓	Fresh South wind strong to gale locally on coasts; some rain, cool.
16 Orkneys and Shetlands ↓	As 11.–15.
17 N.W. Ireland ↓ 18 N.E. Ireland ↓ 19 S.E. Ireland ↓ 20 S.W. Ireland ↓	Fresh or strong South wind gale locally veering and decreasing; rain at first; showers later cool.

GENERAL INFERENCE

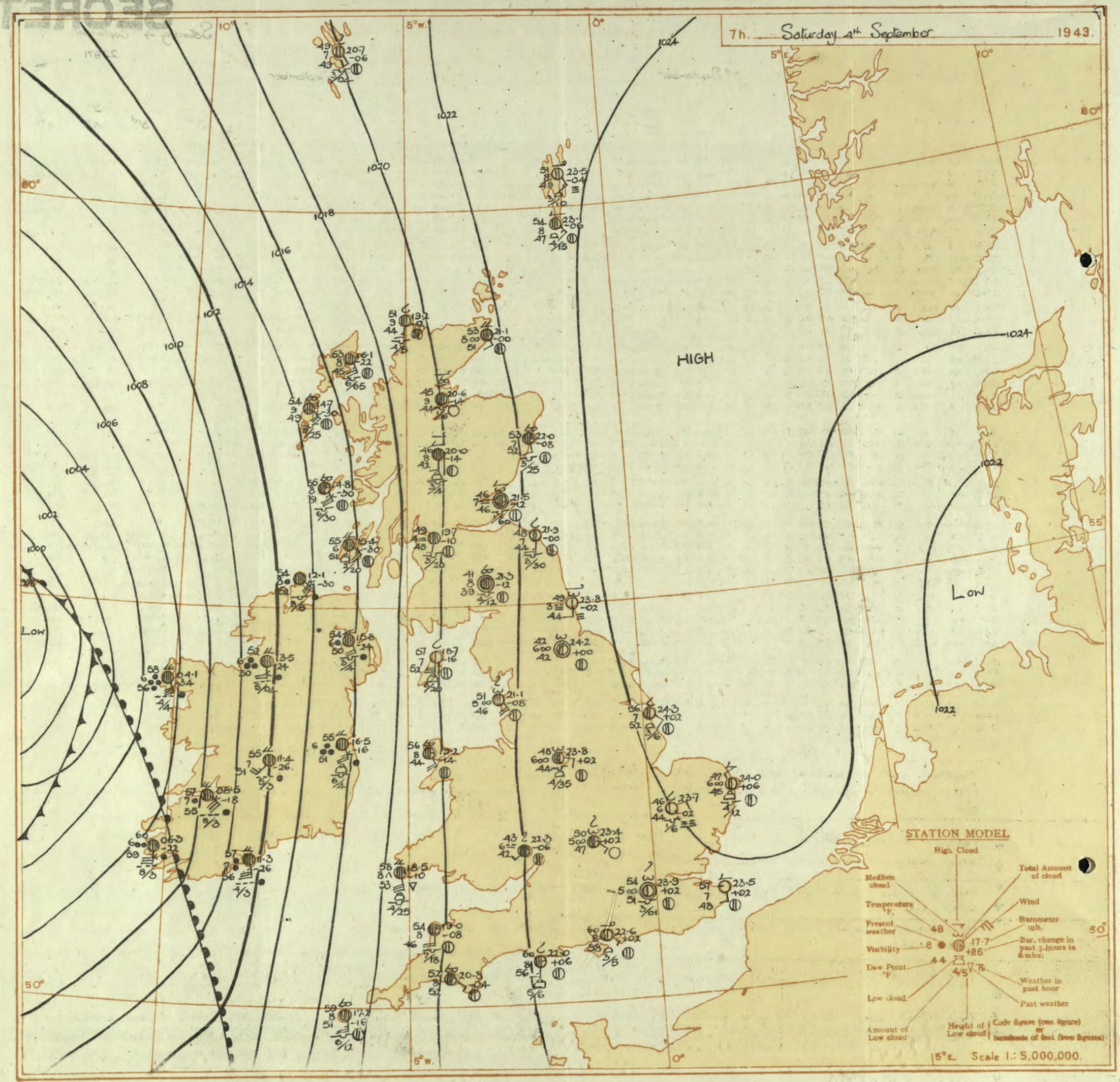
A deep depression Northwest of Ireland is moving North and associated troughs will cross the British Isles. There will be southerly gales and rain in the West and North. In the East and Southeast weather will be fair at first but slight rain may occur tomorrow morning.

FURTHER OUTLOOK

Rain at first; bright intervals and showers later; cool. ↓ Gale warning in operation in districts 5, 6, 7, 8, 12, 13A & B. 15, 16, 17, 18, 19, time of issue 0455h on 4th September, and in district 20. time of issue 2325h on 3rd Sept.

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 summertime.

BRITISH SECTION

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

Saturday 4th September, 1943

No. 29371.

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

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	23·9	0	SE	1	z_0	52	92	50	5	5	–	–	4–6	4–6	3000
	S. Farnborough	226	23·8	+2	–	0	z_0	46	92	44	5	–	4	–	0	Tr	—
	Boscombe Down	417	23·4	-2	N'E	1	fg	47	85	43	6	–	–	–	0	0	—
	Thorney Island	10	22·9	-4	NE'N	1	b-bc	48	85	45	8	–	–	2	0	2–3	—
	Lympne ..	283	23·9	+2	ENE	2	z_0	52	97	50	6	–	–	–	0	0	—
	Manston ...	154	23·5	-2	E'N	1	b-bc	54	85	48	6	–	3	1	0	2–3	—
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	23·7	-2	N'E	2	b	53	85	49	6	–	–	–	0	0	—
	Gorleston ...	5	22·3	0	NW'W	1	z_0	50	97	50	6	–	–	–	0	0	—
	Mildenhall ...	15	23·8	-2	E	1	b	46	92	44	8	–	–	–	0	0	—
	Cranwell ...	203	23·9	0	SE	2	z_0	46	92	46	5	–	–	–	0	0	—
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	23·6	-2	–	0	z_0	47	92	45	6	5	–	–	1	1	4500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·8	-8	S	3	b-bc	51	85	47	8	4	–	–	2–3	2–3	2500
	Bristol ...	209	23·8	-2	–	0	m	44	97	43	4	–	–	–	0	0	—
	Portland Bill ...	32	22·3	-6	W	4	bc	59	85	55	8	5	–	–	4–6	4–6	4000
	Plymouth ...	86	22·7	-10	ESE	1	z_0	47	97	47	6	–	7	2	0	4–6	—
	The Lizard ..	240	21·6	-10	ESE	5	c-bc	56	85	50	8	5	–	–	7–8	7–8	1000
	Scilly (St. Mary's)	163	21·0	-10	SE'S	4	bc	57	75	50	8	5	–	–	4–6	4–6	1500
	Guernsey ...	175															
6	Pembroke ...	142	21·6	-4	S'E	4	b-bc	58	85	54	8	2	–	–	2–3	2–3	4000
7	Holyhead (Valley)	32	23·0	-20	ENE	2	bc	48	85	44	8	–	–	5	0	4–6	—
	Chester (Sealand)	16	23·0	+2	–	0	b+	45	92	44	3	–	–	–	0	0	—
8	Manchester ...	230	23·2	-2	ESE	2	z_0	48	85	44	6	–	–	–	0	0	—
10	Spurn Head ...	29	24·3	+2	S'E	2	b-bc	56	85	52	7	1	–	–	2–3	2–3	2500
	Catterick (Sc.)...	192	24·4	+4	–	0	z_0	44	97	44	6	–	3	–	0	2–3	—
	Tynemouth ...	108	24·5	+2	NW	2	z_0	51	75	45	6	2	–	–	2–3	2–3	2500
11	St. Abbs Head	280	22·9	+4	SW	2	b-bc	52	75	45	7	5	–	–	2–3	2–3	4000
	Leuchars ...	36	22·9	0	–	0	z_0	46	92	45	6	–	3	–	0	2–3	—
12	Renfrew (Abbots I.)	19	22·8	+2	–	0	z_0	42	97	42	6	–	–	–	0	0	—
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	22·1	-4	S'W	4	b	55	85	49	8	4	–	–	Tr	Tr	2000
13A	Tiree	44	19·6	-12	SSE	5	b-bc	55	85	51	9	–	–	9	0	2–3	—
13B	Stornoway ...	12	20·3	-6	SSE	3	c-bc	53	85	48	8	5	1	7	1	7–8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	23·4	0	WSW	3	b	48	92	46	8	–	–	–	0	0	—
	Wick ...	114	22·8	-2	ESE	1	c	54	97	53	8	5	7	–	4–6	9+	4500
16	Sumburgh ..	19	23·8	+2	–	0	b	48	97	48	8	–	–	–	0	0	—
17	Blacksod Point	18	11·8	-18	ESE	5	ir	55	85	51	7	6	2	–	4–6	10	1500
18	Malin Head ...	84	17·6	-20	SE'E	4	b	53	75	46	8	–	–	–	0	0	—
	Aldergrove ...	268	20·5	-10	SE	3	c-bc	53	85	49	8	5	7	2	4–6	7–8	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	11·6	-26	SSE	7	rr	58	92	56	6	6	–	–	10	10	800
	Roches Point	22	16·3	-24	SE	6	ir	59	97	59	7	6	2	–	4–6	9+	1500

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

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)	23·8	+6	E	1	z_0	52	97	51	5	–	–	6	0	2–3	–	0	*
Croydon ...	23·9	+2	–	0	z_0	54	85	51	5	5	3	4	2–3	2–3	100	1	*
S. Farnborough	23·6	+12	E	2	z_0	48	85	43	6	4	4	5	1	2–3	3000	0	*
Boscombe Down	22·8	0	E'S	2	z_0	50	92	48	6	2	–	2	1	4–6	2000	0	*
Thorney Island	22·6	+2	ESE	1	bc	60	92	58	8	1	–	2	2–3	4–6	2500	0	*
Lympne ..	23·8	+2	ENE	2	b	54	85	50	7	–	–	–	0	0	—	1	*
Manston ...	23·7	+2	S'E	2	b	57	75	48	7	–	–	5	0	Tr	—	0	*
Shoeburyness ...	23·6	0	NNE	1	b	55	92	53	8	1	–	–	Tr	Tr	4000	1	*
Felixstowe ...	24·0	+4	N'E	2	b	53	85	47	7	–	–	1	0	Tr	—	0	1
Gorleston ...	24·0	+6	NW'N	2	z_0	47	92	45	6	8	–	5	4–6	4–6	1200	0	2
Mildenhall ...	23·7	-2	E'N	2	b-bc/f	46	92	44	6	5	4	–	Tr	2–3	4000	1	*
Cranwell ...	23·9	+2	SE	1	b-bc/f	45	97	44	5	–	3	2	0	2–3	—	0	*
Birmingham ...	23·4	0	SSE	2	z_0	50	85	46	5	–	–	2	0	4–6	—	1	*
Upper Heyford	23·4	+2	ESE	1	z_0	50	92	47	5	–	3	6	0	9	—	0	*
Ross-on-Wye	22·3	-6	SW	1	fg	43	97	42	6	–	–	6	0	9	—	1	*
Hartland Point	19·0	-8	SSE	4	c	54	75	46	8	5	–	–	9+	9+	1800	0	3
Bristol ...	22·6	-6	E	1	z_0	47	92	44	6	–	3	6	0	7–8	—	0	*
Portland Bill ...	22·0	+6	S	3	c	60	85	56	8	2	4	–	7–8	9	4000	1	3
Plymouth ...	20·8	-4	ESE	1	c	52	97	52	8	–	7	–	0	9+	—	0	1
The Lizard ..	19·9	-8	ESE	6	c-bc	55	85	52	8	5	3	–	7–8	7–8	2500	0	5
Scilly (St. Mary's)	17·2	-16	SSE	5	c	59	75	51	8	5	7	–	9	10	1200	0	5
Guernsey ...																	
Pembroke ...	18·5	-10	SSE	6	cq	58	85	53	8	8	2	–	4–6	9+	2500	0	3
Holyhead (Valley)	19·2	-14	SE	4	c	56	65	44	8	–	7	–	0	9	—	1	2
Chester (Sealand)	21·5	-4	SSE	2	m	49	85	45	4	–	–	2	0	7–8	—	0	*
Manchester ...	22·2	-2	SSE	3	bc	53	75	45	7	2	4	1	2–3	4–6	3000	1	*
Spurn Head ...	24·3	+2	ESE	2	bc	56	85	52	7	1	4	1	2–3	4–6	4000	0	2
Catterick (Sc.)...	24·2	0	–	0	z_0	42	97	42	6	–	3	–	0	4–6	—	1	*
Tynemouth ...	23·8	-2	S	2	b-bc/f	49	85	44	3	–	3	1	0	2–3	—	1	2
St. Abbs Head	21·9	0	S	3	bc	48	85	44	7	5	4	–	2–3	4–6	3000	0	2
Leuchars ...	21·6	-12	–	0	fg	46	97	46	7	5	3	5	Tr	9	6000	1	*
Renfrew (Abbots I.)	19·7	-10	S	1	m	49	85	45	4	5	1	–	2–3	10	2000	1	*
Eskdalemuir ...	21·3	-12	–	0	c	41	92	39	8	5	7	–	4–6	10	1200	1	*
Point of Ayre...	18·7	-16	S	6	b	57	85	52	7	2	4	–	2–3	2–3	2000	0	4
Tiree	14·8	-30	SE'S	7	c	55	85	51	8	5	7	–	9	9+	3000	1	4
Stornoway ...	16·1	-22	SE	5	c	53	75	45	8	5	–	5	9	10	6500	1	3
Dalwhinnie ...	20·0	-14	S	2	c	46	92	42	8	8	1	8	2–3	10	1500	1	*
Aberdeen † ...	22·0	-8	SSE	2	c	53	97	52	7	5	7	–	2–3	9+	2500	1	2
Wick ...	21·1	-8	SE	2	z_0	53	92	51	8	–	2	–	0	9+	—	0	*
Sumburgh ..	23·1	-6	ESE	3	c-bc	54	75	47	8	1	–	5	4–6	7–8	1500	1	2
Blacksod Point	04·1	-34	SSE	6	RR	58	92	56	6	6	2	–	4–6	10	1500	2	5
Malin Head ...	12·1	-30	SE'E	6	ir_0	54	92	52	8	5	–	–	10	10	2500	2	4
Aldergrove ...	15·8	-24	SE'S	4	ir_0	54	85	50	6	5	2	–	2–3	10	1500	1	*
Birr Castle ...	11·4	-26	SSW	5	c	55	85	51	7	6	2	–	7–8	10	800	1	*
Valentia Obsy.	06·3	-22	S'E	7	r_0r_0	60	97	59	6	6	–	–	10	10	800	1	5
Roches Point	11·3	-26	SSE	7	ir	57	92	56	7	6	2	–	4–6	10	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)	65	50	37	–	Tr	2·8
Croydon	65	47	40	–	–	2·7
S. Farnborough	65	40	32	–	–	3·5
Boscombe Down	65	44	39	–	Tr	4·3
Thorney Island	68	46	40	Tr	–	*
Lympne ..	66	49	39	4	–	3·5
Manston ...	66	49	40	–	–	5·1
Shoeburyness ...	67	50	43	–	9	5·3
Felixstowe ...	68	48	45	–	–	[illegible]3
Gorleston ...	64	45	43	–	–	7·8
Mildenhall ...	66	39	34	–	Tr	5·7
Cranwell ...	65	43	35	–	–	4·1
Birmingham ...	61	47	32	–	–	1·9
Upper Heyford	63	47	39	–	–	*
Ross-on-Wye	63	39	35	–	–	3·8
Hartland Point	62	50	47	–	–	2·2
Bristol ...	64	39	32	–	–	3·2
Portland Bill ...	63	57	*	–	–	*
Plymouth ...	63	46	40	0·3	–	4·3
The Lizard ..	65	53	*	–	–	6·1
Scilly (St. Mary's)	63	56	*	–	–	0·8
Pembroke ...	61	56	*	Tr	Tr	3·0
Holyhead (Valley)	63	45	39	–	–	*
Chester (Sealand)	65	43	34	Tr	–	2·7
Manchester ...	65	43	38	–	–	*
Spurn Head ...	62	53	*	–	–	6·5
Catterick (Sc.)...	62	38	36	–	–	4·7
Tynemouth ...	60	47	45	–	–	*
St. Abbs Head	62	47	*	–	–	*
Leuchars ...	63	42	35	–	–	9·0
Renfrew (Abbots I.)	63	41	34	Tr	Tr	7·4
Eskdalemuir ...	60	36	26	0·1	Tr	6·9
Point of Ayre...	63	55	*	1	–	4·2
Tiree	60	52	44	0·3	–	7·2
Stornoway ...	60	42	38	3	–	4·4
Dalwhinnie ...	57	35	29	1	0·1	1·9
Aberdeen † ...	60	41	32	–	–	8·1
Wick ...	62	50	40	0·4	Tr	*
Sumburgh ..	57	47	33	–	–	12·6
Blacksod Point	60	54	*	–	1	*
Malin Head ...	59	51		0·1	Tr	2·8
Aldergrove ...	62	49	45	Tr	0·1	6·6
Birr Castle ...	63	53	51	–	4	3·4
Valentia Obsy.	65	57	55	–	9	5·1
Roches Point	63	57		Tr	6	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 3rd September			18h. G.M.T.			01h. G.M.T. 4th September			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	24	01853	17305	87	02854	17125	57	02754	15125	83	02754	12428
115				53	02844	20226	52	02854	10227			
203				70	02955	16415						
206	26	02964	20315	86	02964	22225	50	01763	00013	57	02961	32108
210	26	01964	26314	3–	81866	12286	5–	02965	10225	57	02872	14227
219	26	01854	21484	26	25954	18384	50	01764	12314			
230	86	81954	18285	26	01962	00083				17	02961	08128
245	20	01964	22216	40	01852	18312	50	01762	00012	00	05620	24105
260	23	02855	22325	57	02876	18327	54	05654*	04125	50	01754	28124
278	27	02844	20225	80	01864	17214	50	01753	14213	51	05632	45418
279	26	02863	22385	83	01963	22224	04	01830	12112	02	05620	20247
285	27	02854	20427	13	01853	22114				53	01853	22114
288	73	02865	23326	70	01862	18114	04	05620	20121	05	05620	23114
575	8–	02854	18126	44	02973	08126	01	02730	12328	62	64635	48468
301	37	02852	24287	16	01851	29213	00	05620	04200	03	05520	14294
321	87	02765	16127	57	02755	04127	00	05530	00000	--	48009	12449
299	24	01753	08214	84	01754	14115	00	00730	16100	10	01752	10112
292				47	02963	00027	50	05673	00013			
310	--	02638	24218	--	01634	24214				--	01636	10216
614	22	02761	23127	43	05662	00014	00	05530	00003	03	05520	06114

	13h. G.M.T. 3rd September			18h. G.M.T.			01h. G.M.T. 4th September			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
888	86	02865	09327	30	01962	18112	00	00830	----	07	02830	46517
334	--	02757	00028									
340	27	02854	18128	13	01951	00012	5–	05654	06014	00	08430	12213
136	70	01864	30214	03	01830	04115	00	00730	10200	03	01730	00013
336	57	02754	20328	53	01753	20814				53	05644	16217
850	10	02763	26127	23	02774	22125	00	05620	08110	02	01730	10213
368	87	02864	00028	14	02862	16125	00	05630	00000	07	08430	12315
379	70	02874	16128	43	02853	32113	03	01730	14014	03	05530	12326
390	20	05654	30215	57	05666	30127	5–	05666	00016	00	05620	08114
382	77	02852	00027	43	01862	00023	50	05673	00013	03	05630	00015
438	81	05563	16227	77	02664	32315	40	01763	06213	40	01763	06212
430	41	02774	27128	03	01830	28111	50	01761	00001	10	01762	06213
409	57	25854	20388	86	61955	24187	07	01830	13314	57	02874	13427

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 Duncansby. † 01h. observations from Dyce.

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 4th September

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 ...	bcoz$_0$w	cz$_0$y	bebz$_0$yw	Kew 24 hours ending 7h.
Croydon ...	bcm$_0$cz$_0$.	cz$_0$y	cz$_0$bm$_0$w	Max. Time
Greenwich ...	cz$_0$y	czgly	cbcbw	0·5 9–11h
Camden Square	bc	c	*	Min. Time
Kensington ...	bczc	c	*	3rd
Hampstead ...	bc	bc	bcm	0·1 13–15h

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 3rd 15h % Yesterday	Humidity 3rd 9h % Today
Kew ...	65	50	37	–	Tr	2·8	*	*
Croydon	65	47	40	–	–	2·7	*	*
Greenwich	66	50	36	–	–	2·8		
Westminster	66	54	46	—			67	70
Regents Park	67	50	40	–	–		55	65
Camden Square	66	49	41	–	–	*	*	79
Kensington	67	49	39	–	–		59	59
Hampstead	64	50	44	–	–		*	71

SECRET

Page 1

BRITISH SECTION

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

Sunday 5th September 1943

No. 29872

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

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)	21.9	-8	SE'S	3	cbc	68	45	47	8	8	–	1	7-8	7-8	2500
	Croydon ...	22.6	-10	SSE	3	cbc	71	45	49	8	1	–	2	7-8	7-8	3500
	S. Farnborough	21.8	-6	S	4	pc	63	55	55	8	1	8	5	2-3	4-6	3000
	Boscombe Down	21.2	-18	SE'S	4	c	64	65	52	8	2	6	2	7-8	9	2500
	Thorney Island	22.2	-2	ESE	4	bc	68	65	51	9	1	–	9	Tr	4-6	2500
	Lympne ...	23.0	-6	SE	3	b	65	55	47	8	1	–	–	Tr	Tr	3000
	Manston ...	23.2	-6	ESE	3	b	66	45	47	8	1	–	1	Tr	1	3500
	Shoeburyness ...	23.4	-8	[illegible]	4	b	65	55	49	8	1	–	1	Tr	Tr	4000
	Felixstowe ...	23.5	-6	SSE	3	b	67	65	52	8	1	–	–	1	1	4000
	Gorleston ...	23.2	-6	ESE	3	bc	63	75	55	8	2	4	–	4-6	4-6	3000
	Mildenhall ...	22.1	-14	SE	3	b-bc	70	45	55	8	1	–	1	1	2-3	4000
	Cranwell ...	21.8	-14	S'E	4	bc	67	45	48	8	–	–	5	0	4-6	–
3	Birmingham ...	20.5	-6	SSE	3	c	64	55	48	8	7	7	–	7-8	9	2500
	Upper Heyford	21.1	-10	SSE	4	cbc	66	55	47	8	1	3	2	4-6	7-8	3500
4	Ross-on-Wye	20.0	-12	S	4	c-bc	66	55	48	8	1	9	–	1	7-8	3500
5	Hartland Point	17.2	-4	S	3	c	63	75	53	8	1	7	–	4-6	9	1500
	Bristol ...	20.4	-10	S	3	c	66	55	50	8	1	7	8	Tr	9	4000
	Portland Bill ...	20.1	-12	SE	4	c	62	85	59	8	2	4	–	4-6	9	4000
	Plymouth ...	19.6	-4	SSE	4	c	63	85	58	8	1	7	6	1	9	3000
	The Lizard ...	18.4	-4	SE	4	cbc	62	85	57	8	2	6	–	7-8	7-8	2500
	Scilly (St. Mary's)	15.6	-10	SE'S	5	c	66	75	58	7	5	5	5	4-6	9+	1500
	Guernsey ...															
6	Pembroke ...	16.7	-8	S'E	6	cq	61	85	58	8	7	1	–	9+	10	2500
7	Holyhead (Valley)	16.8	-14	SE'S	6	iR	59	65	49	8	5	7	–	4-6	10	4000
	Chester (Sealand)	19.2	-10	S	4	iR	62	65	50	6	5	2	–	4-6	10	2000
8	Manchester ...	20.0	-10	S'E	4	c	64	55	49	8	2	6	6	4-6	9	3000
10	Spurn Head ...	23.1	-10	SE	4	bc	64	76	54	7	2	4	1	2-3	4-6	4000
	Catterick (Sc.) ...	21.5	-6	SSE	4	c	63	65	51	7	1	3	6	Tr	9	4000
	Tynemouth ...	22.2	-12	SE	5	cbc	57	85	52	7	5	–	–	7-8	7-8	2800
11	St. Abbs Head	18.8	-18	SE	5	c	56	85	52	7	5	2	–	4-6	9+	2000
	Leuchars ...	19.3	-10	SSE	4	zo	59	75	51	6	5	1	–	4-6	10	2000
12	Renfrew (Abbots I.)	16.4	-16	SE	2	dodo	58	75	49	6	5	2	–	7-8	10	1600
	Eskdalemuir ...	18.3	-10	SE'S	4	c	58	65	46	6	5	2	–	4-6	10	1100
	Point of Ayre ...	16.8	-8	S	5	rsR	58	86	50	8	6	7	–	1	10	1000
13A	Tiree	09.6	-26	SE	8	rr	54	92	52	6	6	2	–	7-8	10	100
13B	Stornoway ...	11.4	-24	SE	6	roro	55	75	48	7	–	2	–	0	10	–
15	Dalwhinnie ...	16.0	-20	SSE	5	iR	53	75	46	7	5	2	–	4-6	10	2500
	Aberdeen ...	19.8	-14	SSE	5	c	58	75	51	8	1	1	7	Tr	9+	1000
	Wick ...	18.2	-18	SE	6	c	57	85	53	7	–	2	–	0	10	–
16	Sumburgh ...	20.5	+22	SE'S	5	c	57	75	48	8	1	–	7	Tr	9	2000
17	Blacksod Point	99.8	-26	S	7	iR	63	85	61	7	6	2	–	7-8	10	1500
18	Malin Head ...	06.2	-30	SSE	7	ir	55	92	54	8	8	2	–	2-3	10	1500
	Aldergrove ...	12.1	-22	SE'S	4	rr	55	85	51	6	5	2	–	4-6	10	1000
19	Birr Castle ...	08.0	-18	SSW	5	ir	58	85	56	7	6	2	–	7-8	10	800
20	Valentia Obsy.	02.8	-18	S	6	iR	61	97	61	6	6	–	–	10	10	800
	Roches Point	08.3	-18	S'E	7	dd	60	97	60	5	5	–	–	10	10	450

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force. 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	19.4	-14	SSE	3	c	64	45	42	8	–	7	6	0	9+	–	0	•
	Croydon ...	20.4	-16	SSE	2	c-bc	65	85	60	8	–	4	6	0	7-8	–	0	•
	S. Farnborough	19.4	-10	SE'S	7	c-bc	63	55	45	8	–	7	4	0	7-8	–	0	•
	Boscombe Down	18.6	-14	SE'S	3	c-bc	61	75	53	7	–	5	2	0	7-8	–	0	•
	Thorney Island	19.2	-24	ESE	3	c-bc	65	75	54	8	–	–	6	0	7-8	–	0	•
	Lympne ...	21.2	-12	E'S	2	bc	60	75	52	8	–	–	2	0	4-6	–	0	2
	Manston ...	21.0	-14	ESE	3	bc	61	65	51	8	–	–	6	0	4-6	–	0	•
	Shoeburyness ...	21.2	-12	E'S	4	bc	62	75	53	8	–	3	6	0	4-6	–	0	•
	Felixstowe ...	21.8	-10	SE'E	3	bc	62	65	51	8	–	4	2	0	4-6	–	0	2
	Gorleston ...	21.6	-12	SE'E	4	c	62	75	53	7	3	8	8	2-3	9	1500	0	3
	Mildenhall ...	19.9	-14	SE	3	c	63	55	47	8	–	4	8	0	9+	–	0	•
	Cranwell ...	18.3	-18	SSE	2	c-bc	65	55	51	8	–	3	5	0	7-8	–	0	•
3	Birmingham ...	17.5	-18	SSE	3	c	63	55	47	8	–	4	6	0	9	–	1	•
	Upper Heyford	18.6	-16	S'E	3	c	65	55	49	8	–	7	7	0	10	–	0	•
4	Ross-on-Wye	16.5	-20	S	3	c	63	65	50	7	1	7	2	Tr	9	3500	0	•
5	Hartland Point																	
	Bristol ...	17.3	-20	SSE	3	zo	62	75	54	6	–	7	2	0	9+	–	0	•
	Portland Bill ...	17.3	-22	E	4	c-bc	62	85	59	8	5	–	–	7-8	7-8	4000	1	4
	Plymouth ...	15.5	-26	SSE	3	c	63	75	54	8	5	7	–	4-6	9	4000	0	2
	The Lizard ...	14.4	-20	SE	5	bc	61	85	58	8	5	–	–	4-6	4-6	2500	0	4
	Scilly (St. Mary's)	11.5	-26	SSE	5	c	61	85	58	7	5	7	3	2-3	9+	1500	0	5
	Guernsey ...																	
6	Pembroke ...	12.2	-12	S'E	6	cq	62	97	60	8	5	6	–	7-8	9+	2500	0	4
7	Holyhead (Valley)	12.3	-32	SE'S	7	c	62	65	51	8	4	7	5	1	9	4000	1	•
	Chester (Sealand)	14.9	-22	S'E	3	c-bc	64	65	51	8	5	5	–	4-6	7-8	3500	0	•
8	Manchester ...	16.0	-28	SSE	4	c	64	65	49	8	5	7	–	2-3	9+	6000	0	•
10	Spurn Head ...	13.0	-32	SE'E	6	c	60	85	54	7	5	7	–	4-6	9	4000	0	3
	Catterick (Sc.) ...	18.5	-14	SSE	4	zo	61	65	48	6	–	7	–	0	10	–	0	•
	Tynemouth ...	18.6	-14	SE	5	c	56	85	52	7	5	–	–	9	9	1300	0	4
11	St. Abbs Head	14.6	-18	SE	5	rsR	55	85	51	7	5	2	–	7-8	10	2500	1	5
	Leuchars ...	15.5	-22	SE	4	roro	56	85	53	6	6	2	–	4-6	10	2000	1	•
12	Renfrew (Abbots I.)	13.0	-24	SE	2	rr	55	92	54	3	6	2	–	7-8	10	800	1	•
	Eskdalemuir ...	14.5	-24	SE'S	3	iro	55	85	51	6	5	–	–	10	10	1100	1	•
	Point of Ayre ...	12.2	-32	S'E	6	c-r	61	75	54	8	6	7	–	1	10	1000	0	
13A	Tiree	04.5	-22	SSE	9	c-r	56	92	53	6	6	2	–	7-8	10	300	1	
13B	Stornoway ...	05.7	-32	SSE	6	roro	55	85	51	6	5	2	–	7-8	10	2200	1	4
15	Dalwhinnie ...	11.0	-26	SSE	5	rr	49	85	47	6	6	2	–	9	10	1500	1	•
	Aberdeen ...	16.4	-24	SSE	5	c	56	85	50	7	5	2	–	2-3	10	4000	1	4
	Wick ...	14.3	-24	SSE	6	iro	56	85	52	7	6	7	–	4-6	10	3000	1	•
16	Sumburgh ...	18.5	-18	SE	5	c	55	75	47	8	–	7	6	0	9+	–	0	4
17	Blacksod Point	94.9	-34	S	6	iR	63	85	61	6	6	2	–	4-6	10	1500	2	6
18	Malin Head ...	02.0	-30	SE'S	7	ir	58	97	57	8	–	2	–	10	10	1500	2	5
	Aldergrove ...	07.1	-32	S'E	6	ir	56	92	54	6	5	2	–	4-6	10	800	1	•
19	Birr Castle ...	01.9	-4	SSW	5	c	61	92	59	7	6	2	–	7-8	10	800	1	•
20	Valentia Obsy.	99.4	-20	SW'S	6	iR	60	97	59	5	6	–	–	10	10	800	1	5
	Roches Point	03.3	-38	S	7	dr	60	97	60	5	5	–	–	10	10	450	1	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 4th (39)	Weather. 13h.—18h. 4th (40)	Weather. 18h.—1h. 4th to 5th (41)	Weather. 1h.—7h. 5th (42)
1	London (Kew)	bcwcy	bbccy	cybc	bcc
	Croydon ...	bcycy	bccy	bcybc	bcco
	S. Farnborough	bbcmobcy	bcbbcy	bccyzbcbc	cirₒ
	Boscombe Down	c	bcybc	cbcbc	ccirₒ
	Thorney Island	bcybc	bcybc	bc	bcc
	Lympne ...	bcb	bybb	cbmₒbcmₒ	bcmbcc
	Manston ...	bby	bc	bcb	bcc
	Shoeburyness ...	bc	bcy	bcc	c
	Felixstowe ...	bybbc	bcybc	bc	bcmₒ
	Gorleston ...	cbc	bcc	cbcq	bqc
	Mildenhall ...	by	ybbcc	cycbc	bcc
	Cranwell ...	bmₒbby	bcycbcy	bcbc	
3	Birmingham ...	bcc	c	c	cirₒ
	Upper Heyford	cmₒbcy	bcycy	cybccv	ccirₒ
4	Ross-on-Wye	cmₒcc	cy	c	cqporₒ
5	Hartland Point	c		crrc	crrc
	Bristol ...	bcmₒwc	cyc	cmₒc, cbcmₒ	cmₒirₒmₒzₒm
	Portland Bill ...	c	c	c	orr
	Plymouth ...	c	c	cirₒ	crₒrₒmₒc
	The Lizard ...	cbc	cbc	corr	rrcbc
	Scilly (St. Mary's)	c	c	orrcpₒ	cbc
	Guernsey ...				
6	Pembroke ...	cq	cq	cqrr	rrcbcq
7	Holyhead (Valley)	cirₒ	cirₒc	crₒrₒ	crₒmₒcbₒ
	Chester (Sealand)	cmₒmₒzₒrₒ	czₒirₒ	czₒ	rrdₒdₒc
8	Manchester ...	bcwcbc	cy	cbccy	rrmₒczₒ
10	Spurn Head ...	bc	c	co	c
	Catterick (Sc.) ...	czoc	cczₒ	bcmₒcmₒ	cfₒmₒfₒfₒfₒmₒ
	Tynemouth ...	bbcffbc	c	co	orₒfₒmₒirₒ
11	St. Abbs Head	cmₒ	cmₒrₒ	cmrrcₒ	crrcmₒ
	Leuchars ...		mₒcrₒmₒ	cRRmₒ	cRRcmₒ
12	Renfrew (Abbots I.)	cmₒdomₒ	cmₒrrc	cRR, rₒrₒmₒ	crrmₒbc
	Eskdalemuir ...	cczₒ	cirₒmₒ	cirₒrr	priRm
	Point of Ayre ...	crₒrₒ	irₒc	rₒrₒrr	crrbc
13A	Tiree	crrmₒ		crₒrₒ	rrₒbcirₒ
13B	Stornoway ...	ccrₒrₒ	crₒrₒmₒ	crrirₒc	cirₒbc
15	Dalwhinnie ...	or	or	*	orrc
	Aberdeen ...	c	c	coirₒmₒ	rrrₒrₒmₒ
	Wick ...	c	cirₒ	crr	orₒrₒmₒ
16	Sumburgh ...	bcc	cbcc	c	crₒrₒ
17	Blacksod Point	r	r	r	pr
18	Malin Head ...	r	r	r	pr
	Aldergrove ...	crₒrₒmₒc	crₒrₒrr	cirₒmₒrrrₒ	rrrₒbcₒbc
19	Birr Castle ...	r	r	*	pr
20	Valentia Obsy.	r	r	pr	pr
	Roches Point	d	r	r	bc

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

Districts	Forecast
1 S.E. England 2 E. England .. 3 E. Midlands ...	Moderate South wind fresh or strong locally on coasts veering Southwest light to moderate; occasional rain at first; fair later; 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 ↓	Moderate South to south wind fresh locally; bright intervals; showers; local thunderstorms; cool.
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 to southwest wind strong to gale locally on coasts; bright intervals; showers; local thunderstorms; cool.
16 Orkneys and Shetlands ↓ 17 N.W. Ireland ↓ 18 N.E. Ireland ↓ 19 S.E. Ireland 20 S.W. Ireland	As 12-15.

GENERAL INFERENCE

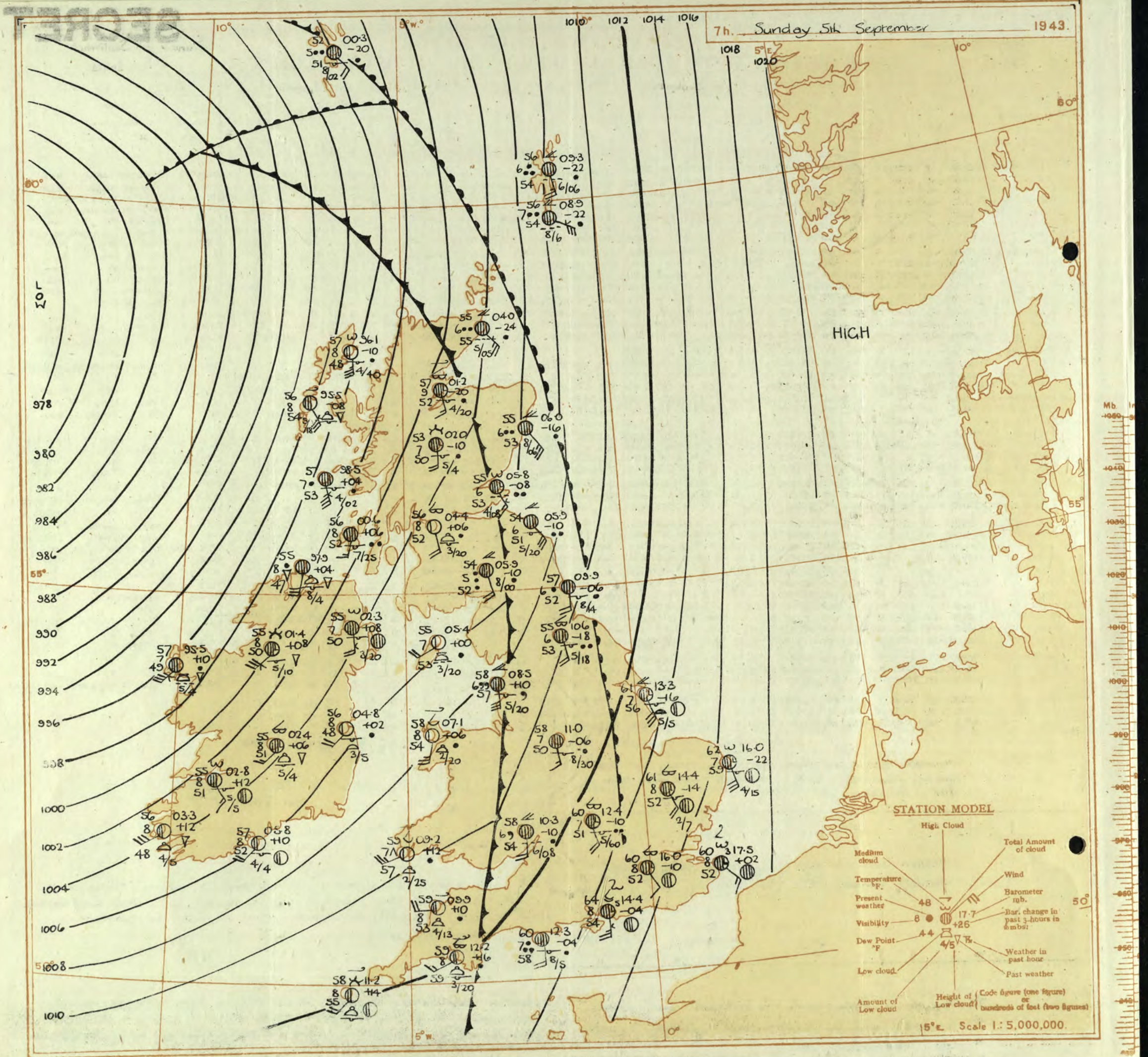
A deep depression to Northwest of Scotland is moving slowly North. In the North and West weather will be showery with local thunderstorms. In the East there will be occasional rain at first but weather will become fair later.

FURTHER OUTLOOK

Perhaps rain in the Southwest of the British Isles spreading Northeast. Gale warning in operation in districts 10A, B, 15 and 17 & 18 (parts of) issued 0455 on 4.9.43. In district 16. issued at 0805 & 2230. on 4.9.43. In districts 11, 14. issued at 1750 on 4.9.43.

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.

Page 4.

BRITISH SECTION

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

Sunday 5th September 1943

No. 29272

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

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	18·0	-18	SSE	2	b-bc	59	75	51	7	—	4	—	0	2-3	—
	S. Farnborough	226	16·1	-18	SSE	2	c-bc	57	85	52	7	—	7	8	0	7-8	—
	Boscombe Down	417	15·1	-16	SE'S	4	bc	59	75	53	8	—	3	8	0	4-6	—
	Thorney Island	10	16·3	-16	SSW	4	bc	65	75	55	7	—	3	6	0	4-6	—
	Lympne	283	18·3	-18	SE	4	z0	60	75	53	6	—	—	6	0	2-3	—
	Manston	154	18·6	-18	SE'S	4	b-bc	60	75	51	7	—	—	3	0	2-3	—
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	12·5	-10	SE	5	b-bc	63	95	57	7	—	7	—	0	2-3	—
	Gorleston	5	18·9	-16	SE'E	5	b-cq	63	85	58	7	5	—	—	4-6	4-6	1500
	Mildenhall	15	17·0	-20	SE	3	c-bc	59	85	54	8	—	7	—	0	7-8	—
	Cranwell	203	16·1	-8	SE	4	b-bc	55	85	52	6	—	7	—	0	2-3	—
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15·8	-14	SSE	3	c	59	65	48	7	5	—	—	9+	9+	7000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	09·1	-20	SSW	4	rr	60	92	58	7	6	2	—	7-8	10	2500
	Bristol	209	13·4	-22	SE	3	z0	61	85	55	6	5	7	—	7-8	9+	4000
	Portland Bill	32	14·3	-14	E	4	c-bc	60	85	56	8	5	—	—	7-8	7-8	4000
	Plymouth	86	12·6	-10	S	4	o/r	62	85	58	7	5	—	—	10	10	5500
	The Lizard	240	10·6	-20	SSE	6	r0r0	60	97	60	7	5	—	—	10	10	800
	Scilly (St. Mary's)	163	09·0	-6	W	4	o/pr	59	92	58	6	5	—	—	9+	9+	1000
	Guernsey	175															
6	Pembroke	142	07·1	-30	S'E	7	rr	60	97	60	6	5	6	—	7-8	9+	1500
7	Holyhead (Valley)	32	06·5	-30	S'E	7	o/r	61	75	54	8	5	—	—	10	10	3800
	Chester (Sealand)	16	10·7	-26	SSE	4	z0	59	75	50	5	5	—	—	0	10	4500
8	Manchester	230	12·7	-22	S'E	5	c	61	55	45	7	—	2	—	10	10	4400
10	Spurn Head	29	16·3	-14	S'E	5	o	59	85	53	7	5	2	—	4-6	10	2500
	Catterick (Sc)	192	14·8	-22	SSE	4	z0	56	85	50	6	5	—	—	10	10	7300
	Tynemouth	108	13·5	-20	SSE	6	o	57	75	49	7	6	—	—	10	10	1500
11	St. Abbs Head	280	10·5	-20	SE	6	ir	55	85	51	7	5	—	—	10	10	2500
	Leuchars	36	10·3	-22	SE	5	RR	55	92	53	6	6	2	—	4-6	10	2000
12	Renfrew (Abbots I.)	19	06·5	-30	SE	3	r0r0	57	85	53	6	6	2	—	9	10	1000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	06·6	-28	S	6	rr	58	92	55	7	6	2	—	4-6	10	800
13A	Tiree	44	99·0	-16	S	3	r0r0	57	97	57	6	6	2	—	4-6	10	300
13B	Stornoway	12	98·5	-42	SE	5	c	58	75	51	7	6	2	—	7-8	10	3000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	11·4	-22	S	5	c/r	55	85	49	7	5	2	—	4-6	10	1400
	Wick	114	09·3	-22	SSE	6	rr	59	97	53	6	—	2	—	10	10	3000
16	Sumburgh	19	14·0	-20	SSE	6	c	56	85	51	8	—	2	—	0	10	—
17	Blacksod Point	18	93·9	-6	S	7	c/r	58	85	52	7	6	—	—	9	9	1500
18	Malin Head	84	97·9	+2	S'E	6	b-bc	55	97	54	8	2	—	—	2-3	2-3	2500
	Aldergrove	268	01·9	-10	SSE	8	rr	57	97	56	5	—	2	—	10	10	1100
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	01·9	+8	SSW	5	c-bc/pr	57	85	53	8	8	—	—	7-8	7-8	2500
	Roches Point	22	04·5	+4	SSW	5	b-bc	57	97	56	8	5	—	—	2-3	2-3	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	14·0	-10	SSE	4	c	61	65	50	8	5	7	—	7-8	9+	4000	0	*
Croydon	16·0	-10	S'E	2	c	60	75	52	8	—	7	—	0	9+	—	0	*
S. Farnborough	13·7	-10	SSE	3	ir0	61	75	52	7	5	7	—	9	9	3000	0	*
Boscombe Down	12·7	-8	SE'S	3	ir0	59	85	53	7	5	2	—	2-3	9+	2000	0	*
Thorney Island	14·4	-4	S	5	c	64	75	54	8	—	9	9	0	9+	—	0	*
Lympne	16·9	-6	S'E	3	c-bc	59	85	55	7	—	3	6	0	7-8	—	0	4
Manston	17·5	+2	SE	3	c	60	75	52	8	—	3	6	0	9	—	0	*
Shoeburyness	16·4	-6	SE	4	c	61	85	57	7	—	3	—	0	9+	—	0	*
Felixstowe	17·4	-10	SE'S	5	z0	62	85	57	6	—	7	9	0	4-6	—	0	3
Gorleston	16·0	-22	SSE	4	c	62	92	59	7	5	3	—	4-6	9+	1500	0	5
Mildenhall	14·4	-14	SSE	4	c	61	75	52	8	5	7	—	1	9+	5700	0	*
Cranwell	12·1	-16	S	3	z0	58	75	51	6	—	7	—	0	10	—	1	*
Birmingham	11·0	-4	SSE	3	ir0	59	75	51	7	5	—	—	10	10	800	1	*
Upper Heyford	12·4	-10	S'E	4	c/r	60	75	51	7	5	7	—	7-8	9+	6000	0	*
Ross-on-Wye	10·3	-10	S	4	id0	58	85	54	6	6	2	—	9	10	800	1	*
Hartland Point	09·9	+10	W	4	bc	59	85	53	8	2	—	1	4-6	4-6	1300	1	3
Bristol	11·6	+6	S	4	dd	59	97	58	6	6	2	—	9+	10	800	1	*
Portland Bill	12·3	-4	S	4	rr	60	92	58	7	5	—	—	10	10	2500	1	4
Plymouth	12·2	+16	SW	3	bc	59	97	59	8	8	7	2	2-3	4-6	2000	1	2
The Lizard	12·4	+22	W	3	bc	56	92	54	8	7	9	—	4-6	4-6	2500	1	4
Scilly (St. Mary's)	11·2	+14	SW'S	4	bc	58	85	55	8	8	6	1	4-6	4-6	1500	1	4
Guernsey																	
Pembroke	09·2	+12	SW'W	5	b-bcq	59	92	57	7	2	4	1	1	2-3	2500	1	4
Holyhead (Valley)	07·1	+6	S'W	5	b-bc	58	85	54	8	2	4	1	1	2-3	2000	1	5
Chester (Sealand)	08·6	+2	—	0	d0d0	58	92	55	5	5	—	—	10	10	2000	1	*
Manchester	09·4	-8	S	5	c	60	75	52	7	5	—	—	9+	9+	3000	1	*
Spurn Head	13·3	-16	SSE	6	c	61	85	56	7	7	2	—	7-8	9+	2500	0	4
Catterick (Sc)	10·6	-18	SSE	4	c/r	55	92	53	6	5	7	—	7-8	10	1800	1	*
Tynemouth	09·9	-6	S	4	ir0	57	85	52	6	5	—	—	10	10	1400	1	3
St. Abbs Head	05·9	-10	SE	6	c/r	54	92	51	6	5	2	—	7-8	10	2000	1	5
Leuchars	05·8	-8	SSE	3	c/r	55	92	53	6	6	3	—	4-6	9	800	1	*
Renfrew (Abbots I.)	04·4	+6	S'E	4	b-bc	56	85	52	8	8	7	—	2-3	2-3	2000	2	*
Eskdalemuir	05·9	-10	SSE	4	iR	54	92	52	5	—	2	—	10	10	<150	2	
Point of Ayre	05·4	0	SW	7	b-bc	55	92	53	7	9	—	—	2-3	2-3	2000	1	4
Tiree	98·5	+4	S'E	7	ir0	57	85	53	7	5	—	—	4-6	10	200	1	5
Stornoway	96·1	-10	S	7	bc	57	75	48	8	5	3	—	4-6	4-6	4000	1	5
Dalwhinnie	02·0	-10	S	4	c	53	85	50	7	5	6	—	7-8	9	1500	1	*
Aberdeen †	06·0	-16	SSE	5	r0r0	55	97	53	6	—	2	—	10	10	600	1	5
Wick	04·0	-24	SE	5	r0r0	55	97	55	6	6	2	—	7-8	10	500	1	*
Sumburgh	08·9	-22	SE'E	6	r0r0	56	92	54	7	6	2	—	10	10	4000	1	4
Blacksod Point	95·5	+10	SW'S	7	c-bc/pr	57	75	50	7	9	—	—	7-8	7-8	1500	2	6
Malin Head	97·9	+4	S'W	6	pr	55	75	48	8	8	—	—	10	10	1500	2	6
Aldergrove	02·3	+8	S	4	c	55	85	50	7	5	3	—	2-3	10	2000	1	*
Birr Castle	02·4	+6	SSW	3	c	55	85	51	8	8	7	—	7-8	9	1500	1	*
Valentia Obsy.	03·3	+12	SW	6	bc	56	75	49	8	2	—	—	4-6	4-6	2500	1	5
Roches Point	05·8	+10	SW	4	bc	57	85	53	8	5	—	—	4-6	4-6	1500	1	5

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 4th Hrs. (38)
London (Kew)	70	59	54	—	—	10·0
Croydon	73	58	55	—	—	11·1
S. Farnborough	69	57	49	—	—	10·6
Boscombe Down	67	56	53	—	0·2	5·4
Thorney Island	63	59	55	—	—	*
Lympne	65	56	51	—	—	11·8
Manston	67	58	54	—	—	11·2
Shoeburyness	66	60	54	—	—	[illegible]
Felixstowe	71	60	57	—	—	12·2
Gorleston	64	60	56	—	1	7·7
Mildenhall	72	57	50	—	—	10·2
Cranwell	70	55	53	—	Tr	8·4
Birmingham	66	57	51	—	1	5·7
Upper Heyford	68	56	51	—	Tr	*
Ross-on-Wye	68	58	57	—	1	1·4
Hartland Point		58	56		6	0·7
Bristol	68	58	55	—	0·5	5·0
Portland Bill	62	57	*	—	0·6	*
Plymouth	64	58	54	—	6	4·4
The Lizard	64	55	*	—	8	2·8
Scilly (St. Mary's)	66	56	*	—	3	4·4
Guernsey						
Pembroke	63	56	*	—	7	0·8
Holyhead (Valley)	64	54	52	0·2	2	*
Chester (Sealand)	65	57	53	Tr	1	1·4
Manchester	65	56	53	—	2	*
Spurn Head	64	58	*	—	—	8·3
Catterick (Sc)	65	54	52	—	2	4·4
Tynemouth	65	55	53	—	1	*
St. Abbs Head	57	52	*	Tr	6	*
Leuchars	61	54	53	Tr	16	2·3
Renfrew (Abbots I.)	59	54	50	5	17	0·0
Eskdalemuir	58	52	51	1	6	0·3
Point of Ayre	61	54		1	5	0·0
Tiree	57	52	51	12	9	0·0
Stornoway	56	49	39	5	4	0·0
Dalwhinnie	54	45	38	3	27	0·0
Aberdeen †	59	55	52	—	4	3·2
Wick	57	53	52	Tr	20	*
Sumburgh	58	55	51	—	0·1	7·3
Blacksod Point	66	55	*	20	7	*
Malin Head	58	53		8	3	0·0
Aldergrove	56	52	49	9	5	0·0
Birr Castle	61	53	50	1	3	0·0
Valentia Obsy.	62	53	50	19	2	0·0
Roches Point	61	57	*	7	6	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 4th September $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 5th September $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
100	51	02753	46-28	57	51653	47668	5-	64648	46668	52	64645	46768
115	52	02844	19426	52	62735	83668						
203												
206	57	02853	14528	5-	62655	14388	62	62535	14368	57	02954	14367
210	51	02753	10428	62	64654	14468	02	62690	47468	57	61854	35468
219	62	66634	46868	62	51625	47868	02	64628	47868	8-	25845	47687
230	62	65655	10368	62	62745	12368	62	62648	47468	87	10965	17266
245	07	02798	47528	57	62763	47568	62	62643	47568	62	62523	47568
260	57	05656	02328	5-	61658	12268	52	05646	12468	5-	01744	15424
276	52	62744	48468	57	62746	45568	52	64647	46668	57	02854	16366
279	52	61674	14328	57	62653	12468	52	62546	16468	53	22855	18566
285	27	02754	16617	22	61744	18468						
288	13	01862	13514	07	02890	10428	07	02790	47527	57	61651	47568
576	62	61735	51668	62	63846	47668	53	01844	51564	56	25855	52687
301	62	62651	14568	07	02690	13467	02	62690	14568	52	52655	16658
321	17	02863	16425	07	02890	14327	07	02790	14427	52	02764	14468
290				5-	02757	12427	5-	14758	14628	5-	61757	15557
302	15	02861	14425	07	02730	10427				57	51634	12468
310												
614	23	02754	14314	07	02730	14326	57	05664	47328	52	22684	14268

III	13h. G.M.T. 4th September $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 5th September $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
338	07	61890	46568	57	02863	13665	52	61675	47668	20	01743	18364
334	--	63647	26388	--	02753	26214						
340	52	02753	16628	47	02752	49467	57	22654	15468	52	05645	49528
136	10	01864	13314	03	02890	16316	04	01790	16413	57	02773	14427
336	13	02763	12428	53	01753	20415						
850	13	02764	12415	04	02890	16325	04	02790	14315	07	22790	14567
368	57	02863	14317	57	02764	14316	5-	05678	14328	53	21745	x8366
376	53	02754	49525	07	02890	47427	07	01790	49513	57	51654	57568
390	10	01763	12213	03	02790	08415	07	05690	12303	07	02790	14327
382	14	02864	17425	07	02890	14327	07	01790	14424	57	61764	15467
430	04	01790	12313	04	01990	06214	40	01753	14413	47	02764	16515
435	03	01890	10313	00	01790	00215	07	05690	14415	53	61775	15326
409	17	02952	15527	07	01990	48524	62	66428	47668	20	01752	19263

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 5th September
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	bcwcy	bbcqy ⊕	cybcc	Kew Hours en. h. Max. Time 0·2 7-8h 4th
Croydon	bcycg	bccy	bcybcc0	Min. Time <0·1 11-24h 4th
Greenwich	bbcy	bcy	bccy	
Camden Square	b	bc		
Kensington	bc	bc		
Hampstead	bc	bc	bc	

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	70	59	54	—	—	10·0	*	*
Croydon	73	58	55	—	—	11·1	*	*
Greenwich	72	57	49	—	—	10·4	41	54
Westminster	73	60	53	—			53	65
Regents Park								
Camden Square	75	58	51	—	—	*	*	60
Kensington	72	58	*	—	—		33	53
Hampstead	70	55	51	—	—		*	55

SECRET

Monday 6th September 1943

No. 29873

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

BRITISH SECTION

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

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)	13·3	0	S	3	dd	62	85	58	6	6	2	–	7-8	10	1500
	Croydon	14·5	–2	S'E	4	dodo	61	92	59	5	5	2	–	4-6	10	1500
	S. Farnborough	12·9	–2	SSW	3	dodo	62	92	61	5	5	–	–	10	10	1000
	Boscombe Down	12·5	–2	W'S	3	e-bc	67	65	53	8	2	6	2	4-6	7-8	2500
	Thorney Island	13·7	–6	SSW	3	e/r	63	97	67	7	6	2	–	7-8	10	450
	Lympne	14·8	–12	S	4	c-bc	68	65	57	7	–	7	3	0	7-8	–
	Manston	14·9	–14	S	5	zo	71	92		6	–	3	1	0	9	–
2	Shoeburyness	14·6	–28	S	5	c	71	55	54	7	5	3	2	2-3	9+	4000
	Felixstowe	15·1	–6	SE'S	5	c	66	75	56	7	5	9	–	4-6	9+	5700
	Gorleston	14·4	–8	SSE	5	cq	64	85	59	7	5	–	–	9	9	2500
	Mildenhall	12·0	–14	S'E	4	c	71	45	61	8	5	7	–	4-6	10	7200
	Cranwell	11·1	–10	S'W	4	c/d	59	92	58	6	6	2	–	9	10	800
3	Birmingham	10·4	–2	SW	3	bc	66	65	55	8	8	–	–	4-6	4-6	2500
	Upper Heyford	12·0	–6	WSW	3	bc	62	97	62	8	2	–	8	4-6	4-6	1800
4	Ross-on-Wye	10·9	0	SW'W	4	bc	66	55	51	8	1	4	–	4-6	4-6	3500
5	Hartland Point	11·0	+6	WSW	5	bc	60	85	54	8	2	6	–	2-3	4-6	1500
	Bristol	12·0	+2	WSW	3	bc	68	55	50	8	1	–	2	4-6	4-6	2500
	Portland Bill	13·4	+4	WSW	4	bc	63	75	56	8	2	–	–	4-6	4-6	4000
	Plymouth	13·7	+4	WSW	4	c-bc	63	75	66	8	2	–	9	1	7-8	2500
	The Lizard	13·2	0	SW	4	bc	65	75	58	8	2	3	–	4-6	4-6	3500
	Scilly (St. Mary's)	12·7	+4	SW'W	5	bc/pr	64	75	56	7	8	6	5	2-3	4-6	1200
	Guernsey															
6	Pembroke	10·3	+6	WSW	6	bcq	60	92	59	7	7	4	–	4-6	4-6	2500
7	Holyhead (Valley)	07·9	+2	SW'S	6	b-bc	63	75	55	8	2	6	–	1	2-3	2000
	Chester (Sealand)	08·7	–2	SSW	3	c-bc/pr	65	65	51	9	3	–	–	7-8	7-8	3000
8	Manchester	09·2	–8	SW	4	bc	67	65	54	8	1	–	1	4-6	4-6	2500
10	Spurn Head	11·4	–4	S'E	5	roro	61	85	57	6	5	–	–	10	10	1500
	Catterick (Sc)	08·6	–6	SE	2	zo	66	75	58	6	8	6	–	4-6	7-8	3000
	Tynemouth	09·2	–2	S	5	zo	64	65	53	6	8	–	–	7-8	7-8	1800
11	St. Abbs Head	05·8	–2	S	5	bc	65	75	60	8	2	4	–	4-6	4-6	2500
	Leuchars	04·8	–4	S	4	cbc	61	75	52	8	8	–	–	7-8	7-8	3100
12	Renfrew (Abbots I.)	03·8	–6	S'W	4	c-bc	65	65	50	8	8	–	1	4-6	7-8	1400
	Eskdalemuir	04·9	–8	SSW	7	cbc	59	85	52	7	8	–	–	7-8	7-8	1500
	Point of Ayre	06·0	0	SW	5	c	62	75	54	8	8	–	–	9+	9+	1800
13A	Tiree	98·6	–2	S	6	b-bc	60	75	53	8	2	6	–	1	2-3	2500
13B	Stornoway	96·8	+2	S	7	bc	60	75	50	8	2	6	–	2-3	4-6	2200
15	Dalwhinnie	02·0	–2	S	4	pr	56	75	47	7	5	4	–	7-8	9	1500
	Aberdeen	04·4	–14	SSE	5	zo	60	85	54	6	1	4	–	1	2-3	1000
	Wick	02·2	+2	SSE	6	bc	60	85	55	7	5	–	–	4-6	4-6	3500
16	Sumburgh	05·1	–18	SES	7	roro	55	97	55	6	6	2	–	9+	10	300
17	Blacksod Point	97·2	+2	SW'S	7	c	58	75	48	7	6	–	–	9+	9+	1500
18	Malin Head	98·2	0	S	6	bc	61	65	50	8	8	–	–	4-6	4-6	1500
	Aldergrove	02·4	–2	SSW	4	bc	61	65	59	8	2	7	–	4-6	4-6	3000
19	Birr Castle	03·8	+2	SW	4	b-bc	62	85	51	8	3	–	–	2-3	2-3	1500
20	Valentia Obsy.	04·9	+2	SWS	6	b-bc/pr	59	75	50	8	3	–	–	2-3	2-3	2500
	Roches Point	07·5	+6	SW'W	5	bc	60	75	52	8	3	–	5	2-3	4-6	1500

OBSERVATIONS at 18h. G.M.T. 5th September; 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. 5th (39)	Weather 13h.–18h. 5th (40)	Weather 18h. 5th to 1h. 6th (41)	Weather 1h.–7h. 6th (42)
London (Kew)	11·9	–4	SW'S	3	bc	65	65	53	8	5	5	9	Tr	4-6	2500	0	•	eyro dmo	cp ro bbc	bccbc	bw
Croydon	13·2	–10	S	3	bc	64	75	54	8	5	4	2	2-3	4-6	3000	0	•	cdd	cdodomobc	cbcb	bmwbc
S. Farnborough	12·5	+4	SE	4	cbc	64	75	55	8	–	6	8	0	7-8	–	0	•	cdo	cdoczcc	cbcb	bwz
Boscombe Down	12·8	+2	SW	3	ebc	61	75	53	8	1	5	4	1	7-8	3500	0	•	cirocwdcbc	bcb cqc	bccbcbw	bw
Thorney Island	13·5	0	SW'W	4	ebc	62	75	55	8	1	7	9	1	7-8	2500	1	•	crroc	cbcbbc	bc	cbc
Lympne	13·9	+2	W	3	ido	61	97	60	6	5	2	–	4-6	10	1000	1	4	cbc	bccddmo	bmw	bmwb
Manston	13·4	–8	SW	4	c/r	65	85	59	8	5	7	7	1	9	600	0	•	czo cczy	czoyiro	cbc	bcbbcw
Shoeburyness	13·8	0	S'W	3	c	63	92	60	8	5	7	–	2-3	9+	1500	1	•	c	cido	bcw	bcw
Felixstowe	13·0	0	SSW	5	c	63	92	60	7	5	–	–	9+	9+	4000	0	5	c	c	cbcb	bm
Gorleston	12·4	–10	S	3	c	67	75	58	7	5	7	–	7-8	10	2000	0	5	cq	cqc	cw	bcwb
Mildenhall	11·5	–2	S	2	bc	64	85	59	7	5	–	9	2-3	4-6	2500	1	•	cirocy	cyrororodo	bbc	bcb
Cranwell	10·0	–4	SSW	3	bc	64	65	51	8	2	3	9	2-3	4-6	2500	1	•	cmoprocmo	cmoccdomo	pocbmo	bbc
Birmingham	10·7	0	SW	3	b-bc	63	55	47	8	2	–	9	1	2-3	2500	1	•	orobc	bc	bc	bc
Upper Heyford	11·3	0	W'S	2	c	65	65	52	8	2	5	9	4-6	9+	3500	0	•	crororoc	bcy	cbcw	bw
Ross-on-Wye	11·0	+4	SW	4	ebc	63	55	49	8	1	–	4	Tr	7-8	3500	0	•	dcbc	bcy	bc	bc
Hartland Point	10·5	–6	W'S	5	ebc	60	75	52	8	2	4	6	4-6	7-8	1800	0	5	bc	bcc	cprebc	bcpr
Bristol	11·9	0	W	3	ebc	61	85	55	8	2	6	9	Tr	7-8	4000	0	•	moddrocb	cbccbcc	ccprcbcb	bwbcwprbc
Portland Bill	13·8	+2	SW	5	c	60	85	56	8	5	7	–	7-8	10	4000	1	4	cbc	c	c	cc
Plymouth	13·8	+4	SW	5	c	60	85	56	8	2	–	2	1	9+	2500	0	4	cbc	cbcc	cbc	bc
The Lizard	13·4	–2	W	4	ebc	60	85	54	7	5	3	–	7-8	7-8	3000	0	4	bc	bcc	prcbc	bbc
Scilly (St. Mary's)	12·3	–2	SW'S	4	c	60	85	54	8	8	6	5	4-6	9+	1200	1	5	pqbcpo	bcpoc	cebcp	bc
Guernsey																					
Pembroke	10·2	–2	SW'W	6	ebcq	60	87	59	7	8	6	–	4-6	7-8	2500	0	4	bcprq	bcq	bcprq	bciRprq
Holyhead (Valley)	07·6	–2	SW'S	7	ebcjp	59	75	51	8	8	–	–	4-6	7-8	1000	1	4	cprc	bbcb	bccpr	bcc
Chester (Sealand)	08·7	+6	WSW	2	ebc	62	65	49	8	1	6	2	1	7-8	3000	0	•	bccypro	cpry	cb	bbcpr
Manchester	09·3	+2	SW'S	3	ebc	60	75	52	8	2	6	3	4-6	7-8	2500	1	•	idrrobc	cypRbc	bcb	bbcbw
Spurn Head	10·6	0	S'E	4	b-bc	63	85	60	7	1	–	4	2-3	2-3	2500	0	2	oromo	bc	bc	bc
Catterick (Sc)	07·8	–2	SSW	3	ebc	61	85	55	8	8	6	2	2-3	7-8	3000	0	•	circmo	cproc	bcb	bmbcc
Tynemouth	07·9	–8	SW	4	bc	64	55	47	7	2	3	1	2-3	4-6	2500	1	3	cmo	cmobc	bc	bcm
St. Abbs Head	05·3	–2	SSW	4	bc	62	65	49	8	1	6	–	2-3	4-6	3500	0	3	cmoprcbc	bccprbc	bc	bc
Leuchars	03·7	–4	SSW	4	ebc/pr	60	75	51	8	3	6	–	4-6	7-8	2500	1	•	bcycjp	cjpprobc	bcjpbc	cbcbwc
Renfrew (Abbots I.)	03·5	–2	S'W	4	bc/pr	60	65	49	8	8	–	–	4-6	4-6	2000	2	•	bccprbc	cprbcprbc	bcprcbcb	bbcmwdc
Eskdalemuir	06·0	0	SSW	5	c/pr	55	75	47	7	5	–	–	9+	9+	1500	1	•	oiRc	crrcpr	circ	c
Point of Ayre	04·4	0	SW	5	b	61	65	50	8	2	–	–	Tr	Tr	2500	0	•	cproc	cbb	b	bbcv
Tiree	97·8	0	S	4	pr	55	85	52	8	6	6	–	9	9+	1500	1	4	cpo cb	bcjpcproc	crgmo	crrmwm
Stornoway	94·8	–8	S	7	cbc/pr	53	92	51	8	3	3	–	4-6	7-8	1900	1	5	bccbc	bccbccprc	cprcpr	cprrpr
Dalwhinnie	01·0	–2	S	4	bc/pr	55	75	46	8	8	–	–	4-6	4-6	2500	0		cpro	cmprbc		bcwro
Aberdeen	03·6	–6	S'E	4	zo	59	85	53	6	8	4	–	1	2-3	4000	1	4	orrocbmo	bbcbzo	bzob	bbcc
Wick	00·8	–10	S	3	cbc/pr	56	97	54	9	8	6	–	7-8	7-8	2500	1	•	ororomoc	bccPRc	cbb	bbc
Sumburgh	02·5	–14	SE'S	5	zo	56	92	54	6	5	–	–	9	9	800	1	3	crrroromo	croromoc	bcm	bcw
Blacksod Point	97·2	–2	SW	7	c/pr	56	75	48	7	9	–	–	10	10	1500	1	6	c	pr	r	r
Malin Head	97·6	0	S	6	cbc	57	75	49	8	8	–	–	7-8	7-8	1500	2	5	pr	pr	–	r
Aldergrove	02·2	–2	SSW	4	b-bc	59	65	45	8	3	–	3	2-3	2-3	4000	1	•	cprocbc	bccbc	bcigbc	bcc
Birr Castle	03·5	–2	SW	3	bc	56	65	45	8	3	–	–	4-6	4-6	1500	1	•	pr	pr	•	r
Valentia Obsy.	04·7	–2	SW'S	6	c	57	75	49	8	2	3	5	2-3	9	2500	1	5	pr	pr	pr	pr
Roches Point	06·6	–6	WSW	5	bc	59	85	55	8	3	–	5	2-3	4-6	1500	1	5	pr	pr	pr	bc

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

Districts	Forecast
1 S.E. England	Moderate westerly winds. Fair; little cloud at night; rather cool.
2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland ↓	Fresh or strong westerly winds, moderating; scattered showers especially in the west; marked clearanes in eastern districts tonight; cool.
12 S.W. Scotland & Isle of Man ↓; 13A W. Scotland ↓; 13B N.W. Scotland ↓; 14 Mid Scotland; 15 N.E. Scotland ↓	Strong to gale south to south west winds, veering and moderating. Frequent thundery showers with risk of local thunderstorms; some appreciable clearances in East Scotland tonight. Cool.
16 Orkneys and Shetlands ↓	As 12-15
17 N. W. Ireland ↓; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland ↓	Fresh or strong westerly winds, moderating; showers, more general rain in west tomorrow. Rather cool.

GENERAL INFERENCE

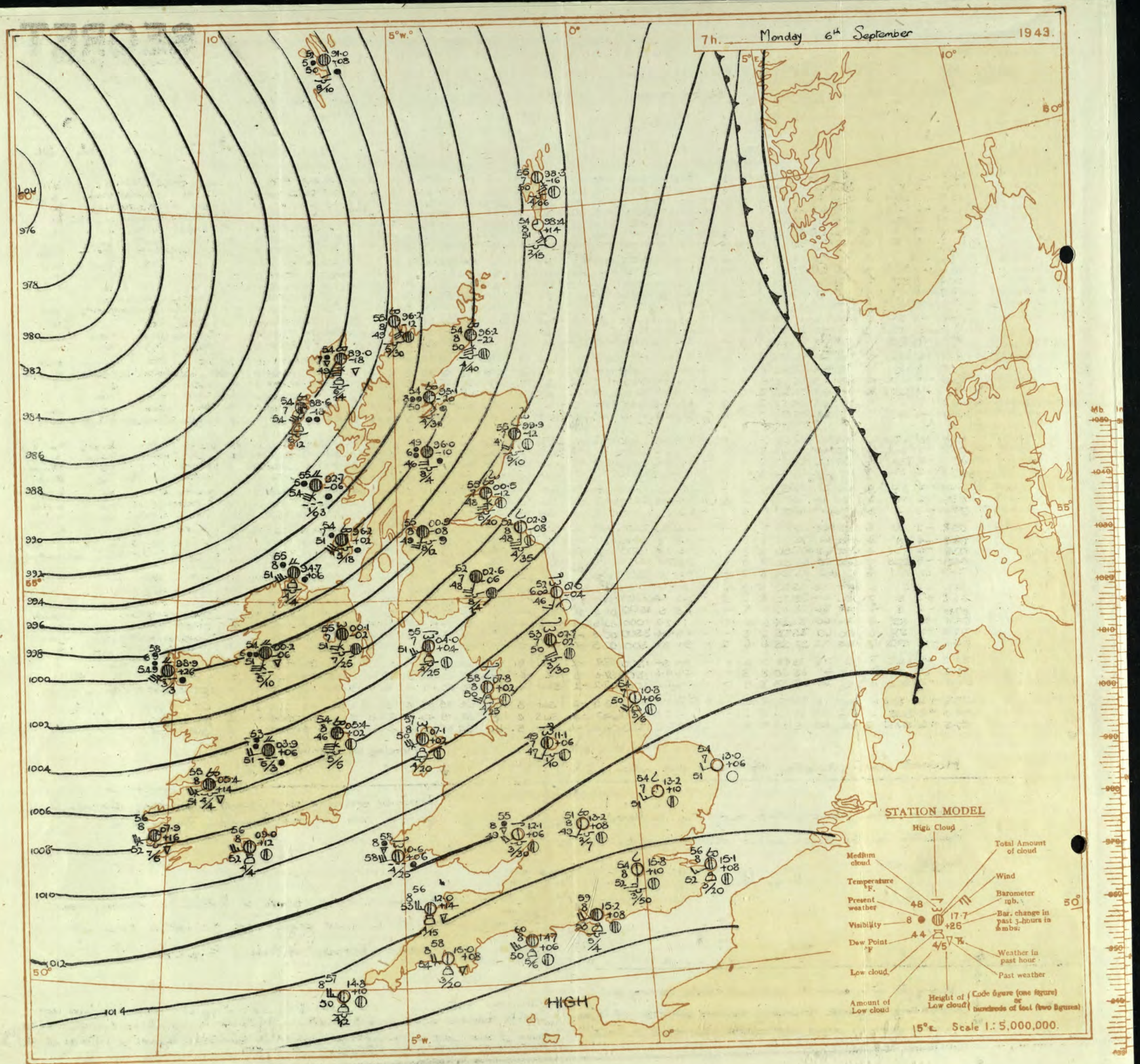
A large depression centred south of Iceland is moving north. Showery, cool conditions will prevail over the British Isles with more general rain in western districts of Ireland tomorrow.

FURTHER OUTLOOK

Showers continuing in the north. Rain spreading east across England and Wales followed by showery conditions. ↓ Gale warning in operation in districts 16 and 20 time of issue 2325 on 3rd September; in districts 13(A and B), 12, 15 and 17 at 0455 on 4th September; in district 11 at 1750 on 4th September.

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.

Monday 6th September 1943

No. 29873

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

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	15·0	+6	SSW	4	b-bc	56	92	54	7	-	3	1	0	2-3	-
	S. Farnborough	226	14·0	+4	SW	3	b	54	92	52	7	5	4	-	Tr	Tr	3000
	Boscombe Down	417	14·1	+4	SSW	2	b	51	92	49	7	-	-	-	0	0	-
	Thorney Island	10	14·3	+2	SW	2	zo	58	85	53	6	2	9	-	Tr	2-3	2500
	Lympne	283	14·8	+2	W	2	zo	54	97	54	6	5	-	-	2-3	2-3	3000
	Manston	154	14·2	+2	SW'W	3	bc	55	92	52	7	5	-	-	4-6	4-6	4900
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	13·1	+2	WSW	4	b	59	65	46	7	5	-	-	1	1	4000
	Gorleston	5	12·2	-2	W'S	2	bc	59	85	55	7	5	-	-	4-6	4-6	2500
	Mildenhall	15	12·2	+2	SW	3	b-bc	57	85	53	8	5	-	-	2-3	2-3	3500
	Cranwell	203	11·1	+2	SW	3	zo	51	92	48	6	5	-	-	Tr	Tr	4000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·6	+2	SW	2	b	53	92	51	8	5	-	-	Tr	Tr	1700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10·8	0	WSW	6	bc	58	75	51	8	2	-	-	4-6	4-6	1500
	Bristol	209	13·1	-2	SW	2	b	53	85	50	7	5	-	-	Tr	Tr	2500
	Portland Bill	32	14·4	0	SW	5	c-bc	59	85	55	8	5	-	-	7-8	7-8	4000
	Plymouth	86	13·9	-2	SW'W	5	c-bc	58	85	54	8	2	-	2	2-3	7-8	2000
	The Lizard	240	14·1	+4	W	5	b-bc	57	85	51	8	2	-	-	2-3	2-3	2000
	Scilly (St. Mary's)	163	13·2	+4	W'S	5	pr	58	75	49	8	8	-	-	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	10·1	+4	WSW	7	b-bcq	58	97	58	8	8	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	07·2	-4	SW	6	bc	57	75	50	8	8	-	-	4-6	4-6	3000
	Chester (Sealand)	16	08·9	-4	S	2	b-bc	62	85	58	7	5	-	-	2-3	2-3	3500
8	Manchester	230	09·9	-6	S	4	b	53	85	48	7	4	-	-	Tr	Tr	4000
10	Spurn Head	29	10·6	0	SW'S	3	b-bc	56	85	52	7	5	-	-	2-3	2-3	2500
	Catterick (Sc)	192	07·8	-8	SSW	3	b	53	85	50	7	-	-	-	0	0	-
	Tynemouth	108	07·8	-8	SSW	3	b-bc	53	75	45	7	-	4	-	0	2-3	-
11	St. Abbs Head	280	05·2	-8	SSE	2	bc	52	65	41	7	4	-	-	4-6	4-6	4000
	Leuchars	36	03·0	-6	S	1	c-bc	52	92	50	8	5	-	-	7-8	7-8	4200
12	Renfrew (Abbots I.)	19	02·7	-6	S	4	b-bc	54	85	48	7	4	-	2	2-3	2-3	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	03·5	-18	SW	4	b	54	85	48	8	4	-	1	Tr	Tr	2500
13A	Tiree	44	95·5	-18	S	7	r/o	54	92	51	6	5	2	-	7-8	10	800
13B	Stornoway	12	93·4	-10	S	8	pr	55	85	49	6	3	2	-	4-6	10	1600
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	01·6	-18	SSW	5	b-bc	53	85	47	8	5	-	-	2-3	2-3	2500
	Wick	114	00·2	-8	S	4	b	54	92	51	8	4	4	-	Tr	Tr	4000
16	Sumburgh	19	01·3	-10	S	5	zo	54	92	52	6	5	-	-	Tr	Tr	4000
17	Blacksod Point	18	96·2	-2	SW	7	c/r	56	85	52	7	6	-	-	10	10	1500
18	Malin Head	84	95·3	-28	S	8	c/d	53	85	49	8	5	2	-	2-3	10	1500
	Aldergrove	268	01·3	-8	S	4	bc	52	85	46	8	5	-	-	4-6	4-6	2400
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	05·9	+2	SW'W	6	pr	55	85	51	8	8	-	-	9+	9+	2500
	Roches Point	22	07·6	+2	SW'W	5	b	55	92	53	8	3	-	-	1	1	1500

OBSERVATIONS at 7 hr. G.M.T. 6th September — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Night 18h–7h mm. (37)	Sunshine 5th Hrs. (38)
London (Kew)	14·7	+12	WSW	2	b	56	85	51	8	2	4	-	Tr	1	2500	0	*	69	51	35	0·2	Tr	3·1
Croydon	15·8	+10	SSW	3	b-bc	54	92	52	8	5	4	-	2-3	2-3	5000	1	*	71	53	49	Tr	-	2·5
S. Farnborough	15·1	+14	WSW	3	e	55	85	51	8	2	4	-	Tr	1	2500	0	*	70	51	42	0·2	-	3·5
Boscombe Down	14·9	+8	SSW	2	b	51	97	50	8	2	-	-	1	1	4000	0	*	69	47	43	3	-	5·1
Thorney Island	15·2	+8	WSW	4	c-bc	59	85	53	8	8	-	-	7-8	7-8	1500	1	*	68	55	50	2	Tr	*
Lympne	15·9	+10	W	2	c-bc	57	92	53	8	2	-	-	7-8	7-8	5000	0	§2	69	51	40	0·1	-	3·2
Manston	15·1	+8	SW	3	bc	56	85	52	8	2	7	-	2-3	4-6	2000	1	*	73	51	48	Tr	-	2·7
Shoeburyness	14·8	+10	SW	3	b-bc	58	85	53	7	--	3	-	0	2-3	-	0	*	71	54	45	Tr	-	2
Felixstowe	13·9	+6	WSW	4	zo	56	92	53	6	-	4	-	0	Tr	-	0	3	70	54	50	-	-	3·1
Gorleston	13·0	+6	WSW	2	b	54	92	51	7	-	-	-	0	0	-	0		67	53	46	-	-	0·7
Mildenhall	13·2	+10	SW	3	b	54	92	51	7	-	4	-	0	Tr	-	0	*	72	51	43	0·1	-	1·3
Cranwell	11·2	+4	SW	3	b-bc	54	92	52	7	-	-	1	0	2-3	-	0	*	67	50	45	0·6	-	3·4
Birmingham	12·0	+4	SSW	3	bc	53	85	49	7	5	4	1	1	4-6	2500	1	*	68	50	43	0·3	-	5·5
Upper Heyford	13·2	+8	SSW	2	b-bc	51	92	49	8	5	7	-	1	2-3	5700	1	*	69	49	45	3	-	*
Ross-on-Wye	12·1	+6	SW'S	4	pr	55	85	49	8	5	-	3	2-3	2-3	3000	1	*	68	53	49	0·4	Tr	8·3
Hartland Point	12·0	+14	W	5	bc/pr	56	92	53	8	3	-	-	4-6	4-6	1500	1	4	61	55	52	-	4	9·7
Bristol	13·8	+6	SW'S	3	b-bc	54	85	49	8	2	4	-	1	2-3	1500	1	*	69	52	48	2	0·3	6·7
Portland Bill	14·7	+6	SW	5	c-bc	60	75	50	8	2	-	-	7-8	7-8	4000	1		63	57	*	2	-	*
Plymouth	15·0	+8	W'S	4	b-bc/pr	58	85	54	8	2	-	-	2-3	2-3	2000	0	4	63	57	52	-	-	9·0
The Lizard	14·6	+6	W	5	bc	57	85	51	8	2	6	-	4-6	4-6	2500	0	4	65	55	*	-	Tr	10·2
Scilly (St. Mary's)	14·8	+12	W	5	bc	57	75	50	8	8	-	-	4-6	4-6	1200	1	5	65	56	*	0·3	0·1	9·3
Guernsey																							
Pembroke	10·6	+6	WSW	6	FR	58	97	58	8	6	3	1	4-6	4-6	2500	0	4	62	56	*	0·1	30	6·6
Holyhead (Valley)	07·1	+2	SW	6	c-bc	57	75	50	8	8	6	-	4-6	7-8	2000	1	5	64	55	51	1	Tr	*
Chester (Sealand)	09·2	+2	S'W	1	b-bc	55	85	50	7	1	-	8	Tr	2-3	3000	1	*	70	50	43	Tr	0·1	7·3
Manchester	09·9	+6	S	4	b-bc	52	85	48	7	-	4	1	0	2-3	-	1	*	69	50	46	2	-	*
Spurn Head	10·8	+6	SW'S	4	b-bc	54	85	50	7	1	-	-	2-3	2-3	4000	P	3	65	52	*	0·5	-	2·3
Catterick (Sc)	07·7	-2	SSE	4	c-bc	53	85	50	7	5	3	1	2-3	7-8	3000	0	*	68	49	44	0·2	-	4·8
Tynemouth	07·0	-4	SSW	3	zo	52	85	46	6	-	3	2	0	4-6	-	0	3	66	51	48	0·1	-	*
St. Abbs Head	02·9	-8	S	5	bc	52	85	48	8	5	4	-	4-6	4-6	3500	0	4	67	50	*	2	-	*
Leuchars	00·5	-12	S	5	c	55	75	48	7	5	7	9	7-8	9	2000	1	*	64	50	45	0·6	-	6·3
Renfrew (Abbots I.)	00·5	-8	S'W	5	c	55	75	49	8	5	-	-	10	10	1200	1	*	65	53	47	3	Tr	6·8
Eskdalemuir	02·8	-6	S'W	5	c	52	85	48	7	5	-	-	10	10	1400	1	*	62	48	43	2	5	3·6
Point of Ayre	04·0	+2	SW'W	5	c-bc	55	75	48	8	8	3	5	4-6	7-8	2500	0	4	65	52	*	-	-	7·1
Tiree	92·7	-6	SSW	6	irs	55	97	54	5	6	2	-	Tr	10	300	1	5	61	53	*	3	5	*
Stornoway	89·0	-18	S	7	pr	54	85	49	7	8	7	-	9	9+	1400	1	1	61	37	37	0·4	7	6·5
Dalwhinnie	96·0	-10	S	4	ir	49	92	46	6	5	-	-	10	10	1500	1	*	59	47	44	0·2	12	5·5
Aberdeen †	99·9	-12	SSW	4	c	55	75	47	7	5	4	9	7-8	9	1000	1	3	61	53	49	2	-	6·6
Wick	96·2	-22	SSE	6	c	54	85	50	8	5	7	-	4-6	9	4000	1	*	61	53	48	5	-	*
Sumburgh	98·4	+14	SSE	5	b	54	92	51	8	5	-	-	1	1	1500	1	4	57	53		8	Tr	0·0
Blacksod Point	98·9	+26	SW	7	Dr.	58	85	54	6	6	2	-	2-3	10	800	2	6	59	53	*	1	5	*
Malin Head	94·7	+6	SW'S	7	irs	55	85	51	8	8	2	-	4-6	10	1500	2	5	61	52		0·2	1	6·7
Aldergrove	001	-2	SSW	4	c	55	85	51	7	5	3	-	9+	10	2500	1	*	64	50	47	Tr	0·3	8·6
Birr Castle	03·9	+6	WSW	4	ir	53	92	51	7	6	2	--	7-8	10	800	1	*	62	51	48	3	1	6·9
Valentia Obsy.	07·9	+16	WSW	5	c/pr	56	85	52	8	5	-	-	9+	9+	2500	1	5	61	51	48	1	4	7·1
Roches Point	09·0	+12	WSW	5	bc	56	85	52	8	3	-	-	4-6	4-6	1500	1	5	61	54	*	0·5	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 5th September $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 6th September $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
100	47	01663	48613	83	05654	47514				57	02855	48626
115	84	02944	16386	53	25964	18384	54	02854	16325	57	02844	16326
203												
206	86	25955	53686	86	01962	49583	50	01862	16402	57	62864	14467
210	26	01855	14525	43	01963	15584	50	01963	12313	59	02963	15426
219	8-	25854	15785	27	81644	16788	58	63644	49688	87	22746	51667
230	86	02854	16325	86	01964	18324	5-	02868	20328	62	22845	51568
245	26	01863	50463	26	25852	18482	80	01854	17414	54	02755	18516
260	87	81655	51386	80	01853	18413	40	01862	18112	5-	02745	45425
278	87	01843	49424	46	01854	18424	50	01853	51413			
279	86	02855	51626	24	01753	53514	80	01853	20583	87	02844	53715
285										23	25744	18586
288	53	05664	16325	26	02852	19417	90	05690	18400	24	01761	16514
575	96	82745	51687	26	01753	50614	92	81646	52687	62	62645	51688
301	86	10855	18515	20	02853	17585	00	00890	16510	24	01854	17514
321	52	62636	16368	86	01754	20364	50	05662	18312	54	05662	18403
299	5-	62648	18468	24	05654	18314	50	05663	20313	04	05690	20303
292	57	05654	16368				00	00690	18210	07	05690	20314
310												
614	82	61435	17367	26	05664	20215	04	05690	00012	04	08490	18103

III	13h. G.M.T. 5th September $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 6th September $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
388	26	02744	51586	26	01864	52524	20	01753	53483	26	02755	62515
334										--	02543	22315
340	84	02965	20565	86	01954	55485	50	01853	18203	04	01790	20204
136	07	02890	16567	57	02745	18367	57	05683	20214	53	01831	20302
336										13	01753	20312
350	52	21635	16358	23	02825	22115	40	05661	18211	04	01790	18301
368	11	01853	24413	80	01853	22414	50	01753	57413	84	01753	22384
379	13	01853	18464	53	02354	20426	00	00790	22480			
390	57	02775	18328	87	05666	12214	07	05690	16213	03	05590	18112
382	96	02845	18355	86	02855	24125	04	01790	19121			
438	5-	02757	20427	57	01764	23415	10	01743	24513	86	01754	24485
430	52	52536	18458	13	01762	22314	53	01751	24112	23	81754	22285
409	86	01953	22513				40	01752	18382	2-	10744	19384

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 September. 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	cyrdm	cprbbc	bcbcbo
Croydon	cdd	cddrobc	cbcbmu
Greenwich	cy	cidrc	cby
Camden Square	cr	c	*
Kensington	bcpbc	bc	*
Hampstead	orbc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended ... Max. Time 0·1 7-8h; Min. 5th ... <0·1 Rest of period

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	9h % (To-day)
Kew	69	51	35	0·2	Tr	3·1	*	*
Croydon	71	53	49	Tr	-	2·5	*	*
Greenwich	70	50	38	0·3	-	1·7	82	56
Westminster	71	54	47	0·4			91	75
Regents Park	70	53	49	0·7	-		89	57
Camden Square	70	53	46	1·0	-	*	*	66
Kensington	72	52		0·3	Tr		63	59
Hampstead	68	51	45	Tr	-		*	63

Page 1 BRITISH SECTION

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

SECRET

Tuesday 7th September 1943

No. 29874

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

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)	15·9	+4	WSW	3	bc	67	45	46	8	2	4	–	2-3	4-6	1500
	Croydon	16·8	+2	SW	4	b-bc	67	55	50	9	2	–	–	2-3	2-3	3500
	S. Farnborough	16·2	+2	WSW	5	bc	68	45	44	8	8	–	–	4-6	4-6	2500
	Boscombe Down	16·1	+4	SW'S	4	bc pr	65	55	49	8	2	6	–	4-	4-6	2000
	Thorney Island	16·9	+8	WSW	5	bc	67	65	54	9	2	–	–	4-6	4-6	4000
	Lympne	17·1	+6	WSW	4	bc	66	55	47	8	2	–	–	4-6	4-6	3000
	Manston	16·3	+10	WSW	3	bc	69	45	46	8	1	–	–	4-6	4-6	2500
2	Shoeburyness	16·7	+10	W'S	3	bc	67	45	45	8	2	–	–	4-6	4-6	4000
	Felixstowe	15·6	+6	WSW	4	cbc	69	55	44	7	1	–	–	7-8	7-8	2500
	Gorleston	13·3	+2	W	2	bc	67	55	48	7	2	–	–	4-6	4-6	2000
	Mildenhall	14·3	+8	WSW	5	c-bc	67	45	44	8	2	–	–	7-8	7-8	4000
	Cranwell	12·2	+4	SW	6	cbc	64	55	46	8	2	–	–	7-8	7-8	3300
3	Birmingham	13·7	+8	SW	3	cbc	61	55	44	8	8	–	–	7-8	7-8	2500
	Upper Heyford	14·3	+6	WSW	4	bc	65	55	48	8	2	6	–	2-3	4-6	3000
4	Ross-on-Wye	14·0	+8	WSW	4	bc	63	65	49	8	2	–	–	4-6	4-6	3500
5	Hartland Point	14·9	+12	W	5	cbc	59	85	53	8	2	6	–	4-6	7-8	2000
	Bristol	15·8	+10	SW	4	pr	58	85	55	7	8	6	–	7-8	9+	1200
	Portland Bill	17·1	+10	SW	5	c-bc	62	85	57	8	2	–	–	7-8	7-8	4000
	Plymouth	17·6	+8	W	6	c/pr	61	85	57	8	8	6	–	7-8	9	2500
	The Lizard	17·8	+12	NW	4	cbc/pr	58	92	56	8	2	–	–	7-8	7-8	2500
	Scilly (St. Mary's)	17·1	+10	W'S	5	b-bc	64	65	52	8	8	6	–	2-3	2-3	1500
	Guernsey															
6	Pembroke	13·7	+12	W'S	7	ro	60	97	60	8	8	4	–	4-6	7-8	2500
7	Holyhead (Valley)	10·2	+10	SW'W	7	c	59	75	51	8	5	7	–	1	9+	2500
	Chester (Sealand)	10·5	+14	SW	6	c	62	65	51	9	7	4	1	4-6	9	3000
8	Manchester	10·8	+6	SW	5	c	62	65	49	8	2	6	–	4-6	9	2500
10	Spurn Head	11·5	+6	WSW	5	bcq	66	55	47	7	7	–	–	4-6	4-6	4000
	Catterick (Sc)	08·4	+8	SSW	5	zo	61	85	58	6	8	7	–	4-6	7-8	3000
	Tynemouth	06·9	+6	SW	6	cbc	62	55	58	7	2	3	–	4-6	7-8	2500
11	St. Abbs Head	03·2	+24	SW	7	c/pr	59	75	51	8	6	2	–	7-8	9+	2000
	Leuchars	00·2	-2	SSW	6	c/pr	57	85	52	8	5	–	–	7-8	10	900
12	Renfrew (Abbots I.)	02·3	+14	SW	5	c/pr	60	75	53	8	8	7	–	4-6	9+	800
	Eskdalemuir	04·3	+12	SSW	5	ir	54	92	51	6	6	2	–	7-8	10	900
	Point of Ayre	06·9	+20	W'S	5	c	59	75	51	8	9	3	8	4-6	9+	2500
13A	Tiree	98·0	+32	SW'W	6	zo	59	85	54	6	8	7	–	7-8	7-8	2000
13B	Stornoway	90·2	+14	SSW	7	pr	57	92	54	7	9	6	–	7-8	9	1300
15	Dalwhinnie		+14	SW	4	ir	54	85	49	7	5	–	–	9+	9+	1500
	Aberdeen	99·7	+4	SW'S	6	c	58	75	50	8	5	7	–	4-6	9	800
	Wick	96·5	+4	S	6	c	62	65	51	9	7	7	–	4-6	9	1600
16	Sumburgh	97·0	-4	S'E	6	bc	56	85	51	7	5	3	2	4-6	4-6	2500
17	Blacksod Point	05·1	+30	SW'W	6	c	57	97	56	7	6	–	–	10	10	1500
18	Malin Head	00·3	+30	WSW	6	pr	58	75	51	8	8	–	–	9+	9+	1500
	Aldergrove	04·5	+26	SSW	3	c	59	75	52	7	5	7	–	7-8	9+	1500
19	Birr Castle	08·8	+26	WSW	3	c	57	85	52	8	8	7	–	7-8	9	1500
20	Valentia Obsy.	12·2	+16	W'S	6	c/pr	56	85	51	8	8	–	–	9+	9+	4000
	Roches Point	12·3	+14	W'S	5	bc	58	85	53	8	3	–	–	4-6	4-6	1600

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

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)	17·1	+12	SW	4	c-bc	61	75	52	8	8	–	–	7-8	7-8	2500	0	•
Croydon	18·0	+12	S	2	bc/pr	59	85	55	8	8	6	–	4-6	4-6	3500	1	•
S. Farnborough	17·2	+10	SW	3	bbc/pr	61	75	54	8	8	–	–	2-3	2-3	2500	1	•
Boscombe Down	17·1	+6	WSW	3	cbc/pr	61	65	49	8	8	6	–	4-6	7-8	2500	0	•
Thorney Island	18·2	+10	SW	4	bc	62	75	53	9	2	–	–	4-6	4-6	2500	0	•
Lympne	18·4	+12	WSW	4	b-bc	61	75	52	8	1	–	–	2-3	2-3	2500	0	§5
Manston	17·8	+18	SW	4	b	63	55	49	8	4	6	–	1	1	4000	0	•
Shoeburyness	17·6	+10	SW	4	bc	64	65	51	8	4	6	–	2-3	4-6	4000	0	•
Felixstowe	16·8	+16	SW'S	5	c-bc	65	65	51	7	5	–	–	7-8	7-8	4000	0	5
Gorleston	14·3	+2	WSW	2	bc	69	45	46	7	8	–	–	4-6	4-6	2500	0	3
Mildenhall	15·5	+14	SWS	5	c-bc	65	45	45	8	5	–	–	7-8	7-8	5700	0	•
Cranwell	13·7	+10	W	4	cbc	62	55	47	8	4	–	–	7-8	7-8	3000	0	•
Birmingham	14·8	+10	SW	3	b-bc	59	65	46	8	4	–	–	2-3	2-3	2500	1	•
Upper Heyford	15·4	+6	WSW	4	bc	60	65	49	8	2	6	–	2-3	4-6	3000	0	•
Ross-on-Wye	15·5	+8	SW	4	bc	59	75	49	8	8	–	–	4-6	4-6	3000	0	•
Hartland Point	15·7	0	W	5	bc	59	75	52	8	3	6	–	4-6	4-6	3000	0	5
Bristol	16·7	+6	SW	3	c/pr	58	75	50	8	8	–	–	9+	9+	5000	1	•
Portland Bill	18·0	+6	SW	5	bc	61	85	58	8	2	–	–	4-6	4-6	4000	1	5
Plymouth	18·3	+4	SWW	5	c-bc	60	85	54	8	8	6	–	2-3	7-8	2000	0	4
The Lizard	17·9	+2	WNW	4	bc	60	75	52	8	2	4	–	4-6	4-6	2500	0	4
Scilly (St. Mary's)	17·9	+6	WSW	4	c/pr	59	75	52	8	8	4	–	7-8	9+	1200	0	5
Guernsey																	
Pembroke	15·5	+6	W'S	6	bbcq	59	92	57	8	2	4	–	2-3	2-3	2500	1	4
Holyhead (Valley)	11·7	+10	SW	6	c/pr	58	75	50	8	8	7	–	4-6	9	2000	1	4
Chester (Sealand)	12·5	-12	SW	5	c-bc	60	65	50	8	8	6	–	4-6	7-8	3000	0	•
Manchester	12·1	+6	SW'W	5	bc	60	65	48	9	4	6	–	2-3	4-6	2500	0	•
Spurn Head	12·5	+14	SW'W	5	cbcq	63	55	49	8	7	4	–	4-6	7-8	2500	0	4
Catterick (Sc)	10·6	+10	SW	4	c/pr	57	85	54	7	8	7	–	7-8	9+	3800	0	•
Tynemouth	09·4	+12	SW	5	bc	60	75	49	7	8	–	1	4-6	4-6	2500	0	3
St. Abbs Head	05·4	+10	SSW	5	c/pr	56	92	53	7	5	6	–	7-8	9	2000	1	4
Leuchars	04·0	+10	SW	4	c/pr	57	85	53	7	8	3	–	7-8	9	3000	1	•
Renfrew (Abbots I.)	04·9	+16	SW	5	cbc	57	85	51	8	7	7	–	4-6	7-8	1000	1	•
Eskdalemuir	07·2	+20	SSW	4	°/r	54	92	52	7	5	–	–	10	10	1100	1	•
Point of Ayre	08·5	+14	W'S	5	bc	58	75	49	8	8	–	–	4-6	4-6	2000	0	4
Tiree	02·0	+24	WSW	5	c/pr	54	92	52	6	8	6	–	7-8	9+	2000	1	4
Stornoway	94·9	+30	SW	6	c/pr	56	85	51	7	9	6	3	9	9+	1000	1	4
Dalwhinnie	02·0	+22	SW	4	ir	51	92	48	7	5	–	–	9	9	1500	1	•
Aberdeen	02·3	+18	SSW	4	cbc	60	75	51	8	5	4	–	1	7-8	1500	1	3
Wick	98·5	+22	SW	3	cbc	57	85	52	8	5	7	–	4-6	7-8	2000	0	•
Sumburgh	97·5	+6	S'E	5	c	55	85	52	7	5	7	3	4-6	9	4000	0	4
Blacksod Point	08·0	+16	WSW	6	c	56	75	48	7	8	–	–	9	9	1500	1	5
Malin Head	04·2	+22	SW'S	7	pr	55	75	48	8	8	–	–	10	10	1500	2	5
Aldergrove	07·8	+22	WSW	5	cbc	56	75	48	9	8	7	–	2-3	7-8	1800	1	•
Birr Castle	11·1	+16	WSW	3	c	54	85	50	8	8	7	–	7-8	9	1500	1	•
Valentia Obsy.	13·2	+6	SW'W	4	c	56	75	48	8	8	3	–	4-6	9+	2500	1	4
Roches Point	13·7	+8	W	4	bc	58	85	53	8	3	3	–	2-3	4-6	1500	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)	bcwcbc	bcybc	bc	bccmow
Croydon	bcbcy	bcycpro	cbcb	bwbmoc
S. Farnborough	bbybcy	bccypro,bb	cbw	bcwc
Boscombe Down	bwbccprobc	c	cbcbbcw	bcwcirombc
Thorney Island	bc	bc	bcc	cwc
Lympne	cbc	bcy	bw	bcmowbc
Manston	bcwbcy	bcy	byb	cbc
Shoeburyness	bcy	bcy	bcmo	bcmow
Felixstowe	bccy	bcycybc	bcb	bbc
Gorleston	bc	bcy	bcy	bcb
Mildenhall	bybcy	cybcjp	cybcy	bbc
Cranwell	bbcycy	cybcy	bcyb	bbcmo cmo
Birmingham	bcc	cbc	bcb	bbc
Upper Heyford	bwbcc	jpbcy	bc	bbcc
Ross-on-Wye	bccPbc	cpobcy	bc	pcpc
Hartland Point	bcpr	cbc	bccbpr	cbcpr
Bristol	bbccpr	cprbccpr	bbcpo	bcc
Portland Bill	c	bc	c	c
Plymouth	cproc	cbccpro	bccbc	cbcprc
The Lizard	bcprc	bccbc	c	cprbc
Scilly (St. Mary's)	bcpoq	bcc po	cbc	bcc
Guernsey				
Pembroke	bcq,ciro	ocq	bcq	bbc
Holyhead (Valley)	c	cpro	bc	bcciro
Chester (Sealand)	bcprocbc	cbccy	cdromo	bcmoc
Manchester	bcc	cyc	bccpro	bcmocw
Spurn Head	bcq	bcq	bc	bc
Catterick (Sc)	cbcc	ccproc	bcmo	bcpromo
Tynemouth	bccmo	cbc	bc	bccmo
St. Abbs Head	cprc	cpr	cprbc	bcc
Leuchars	cpromoc	ccpro	cbc	bcc
Renfrew (Abbots I.)	crrmociro	ecprc	cprobcdomo	cdo domo bcc
Eskdalemuir	cir	circ	c	cpro
Point of Ayre	proc	cbc	bce	bbc
Tiree	cpromocmo	cmorro	bccbc	bcccpro c
Stornoway	cpr	cpr	cprcpr	cprcproc
Dalwhinnie	circ	cir	•	ciro
Aberdeen	cbcc	cbcc	cbcc	cw
Wick	ciroc	cjp pro	cbc	bcbc
Sumburgh	bc	bcc	cprobc	bcc
Blacksod Point	c	pr	c	r
Malin Head	pr	pr	pr	r
Aldergrove	c	cciroc	bc	bccroro
Birr Castle	r	pr	•	c
Valentia Obsy.	pr	d	pr	r
Roches Point	bc	pr	pr	pr

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Light to moderate southwest to west winds; fair at first, occasional rain spreading from west followed by mainly fair weather with some bright periods; rather cool
5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England	Moderate southwest to west winds; cloudy with occasional rain, local showers and bright intervals later; rather cool.
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 to fresh southwest to west winds; cloudy with rain at first, bright intervals and local showers later; rather cool.
14 Mid Scotland, 15 N.E. Scotland, 16 Orkneys and Shetlands	Moderate or fresh southwest to west winds; mainly cloudy, local showers, period of more general rain later; rather cool.
17 N.W. Ireland	Light to moderate west winds backing southwesterly and freshening later; local showers and bright intervals at first, more general rain later; rather cool.
18 N.E. Ireland, 19 S.E. Ireland	As 12–13B
20 S.W. Ireland	As 17

GENERAL INFERENCE

A depression centred between Faeroes and Iceland is moving slowly North and filling. An associated trough is moving steadily East across the British Isles; another trough will approach West Ireland tomorrow; weather will be generally rather cool and unsettled with some rain or showers in most districts, but rainfall amounts will probably be small in the South.

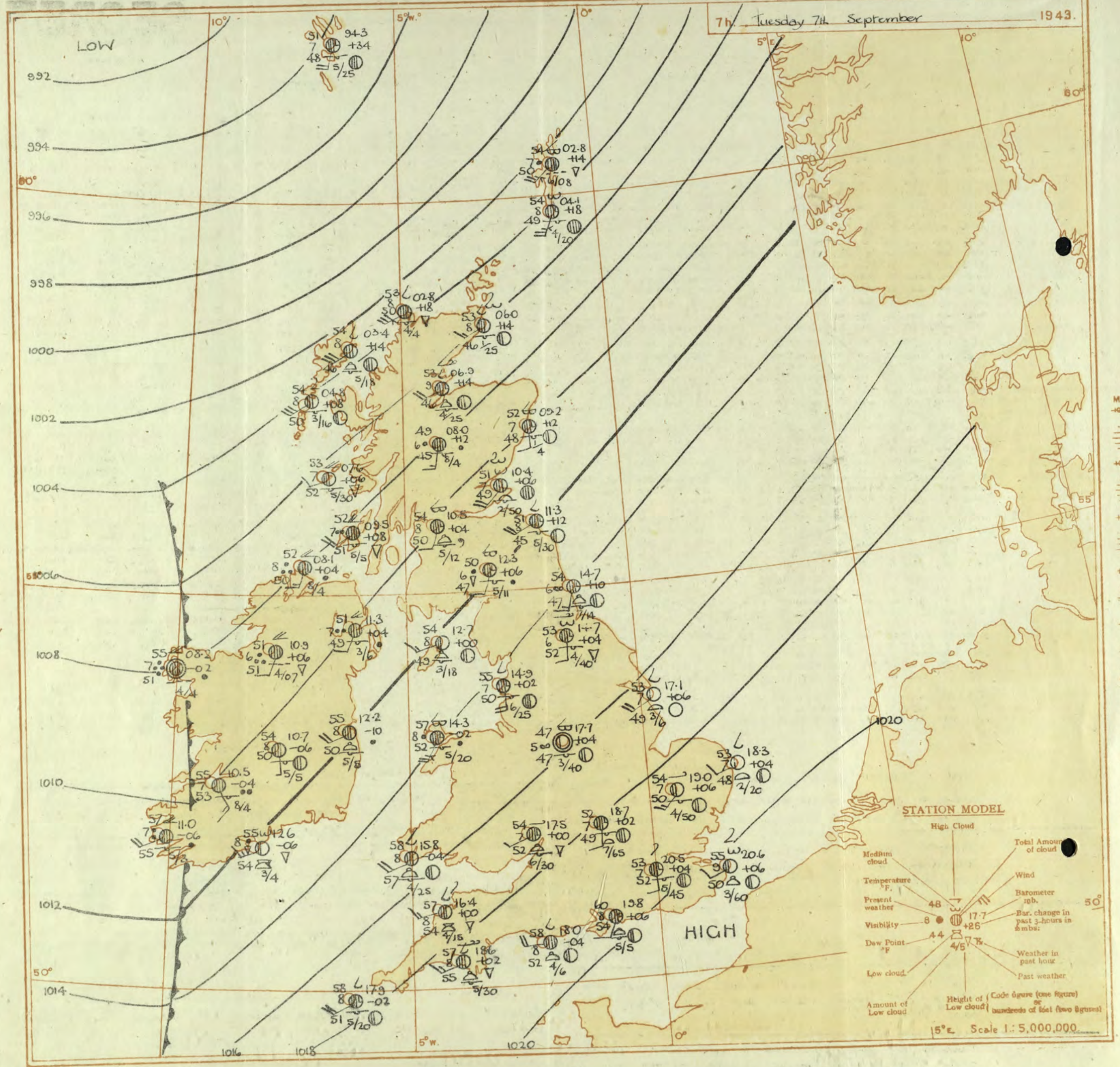
FURTHER OUTLOOK

Unsettled west to southwest type persisting with rain at times in all districts of the British Isles.

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 7th September 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.

Tuesday 7th September 1943

No. 22874

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

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	20.2	+6	SW	2	b	52	97	50	7	–	–	–	0	0	–
	S. Farnborough	226	19.5	+2	SW'S	2	b	52	92	49	7	–	4	–	0	Tr	–
	Boscombe Down	417	19.3	+4	WSW	1	b-bc	49	97	48	8	–	4	1	0	2-3	–
	Thorney Island	10	19.8	+2	SW	4	pr	57	85	53	7	8	–	–	9+	9+	2500
	Lympne	283	20.7	+4	W	2	b	53	92	51	7	1	–	–	1	1	3000
	Manston	154	20.0	+4	SW'S	3	b	52	85	49	7	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	18.9	+6	WSW	4	b	56	85	52	8	–	–	–	0	0	–
	Gorleston	5	17.3	+12	SW'W	2	b-bc	59	75	50	7	5	–	–	2-3	2-3	1500
	Mildenhall	15	17.9	+2	SSW	3	b	54	85	48	8	–	–	–	0	0	–
	Cranwell	203	16.5	+4	SW	4	b-bc	53	85	47	7	5	–	–	2-3	2-3	4000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18.4	+6	SW	2	b	51	85	46	7	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16.6	-2	W	4	bc	58	85	54	8	2	6	–	4-6	4-6	2500
	Bristol	209	18.5	0	SW	3	cbc/pr	55	85	50	8	2	6	–	2-3	7-8	2500
	Portland Bill	32	19.1	0	W	4	c	59	85	55	8	5	–	–	10	10	4000
	Plymouth	86	19.0	-6	WSW	4	c	59	85	55	8	5	–	–	9	9	2100
	The Lizard	240	18.7	-4	W	4	c	57	92	55	7	5	–	–	9+	9+	1500
	Scilly (St. Mary's)	163	18.6	0	SW'W	3	bc	57	85	53	8	3	–	–	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	16.6	-2	W'S	4	bcq	58	85	52	8	4	–	–	4-6	4-6	2500
7	Holyhead (Valley)	32	14.5	+2	SW'W	5	bc	57	85	53	8	8	6	–	4-6	4-6	6300
	Chester (Sealand)	16	15.2	+6	S	1	c-bc	53	92	50	6	5	–	–	7-8	7-8	3600
8	Manchester	230	15.6	+10	S'W	4	cbc	53	92	50	7	4	–	–	7-8	7-8	3500
10	Spurn Head	29	15.7	+6	SW	4	b-bc	55	85	50	7	4	–	–	2-3	2-3	4000
	Catterick (Sc)	192	13.7	+6	SW	2	bc	54	97	52	7	5	–	–	4-6	4-6	6000
	Tynemouth	108	12.9	+10	W	3	b-bc	54	75	48	7	–	4	–	0	2-3	–
11	St. Abbs Head	280	09.3	+16	SW	5	b-bc	51	85	45	7	4	–	–	2-3	2-3	4000
	Leuchars	36	08.4	+14	SW	4	bc	50	92	48	8	4	–	–	4-6	4-6	4000
12	Renfrew (Abbots L)	19	09.4	+12	SW'W	5	do do	55	75	48	6	5	–	–	10	10	1500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	11.1	+26	W	5	c-bc	56	75	49	8	8	–	–	7-8	7-8	2500
13A	Tiree	44	06.3	+12	SW'W	6	c-bc	55	85	50	8	2	6	–	4-6	7-8	1500
13B	Stornoway	12	00.2	+18	SW	5	pr	54	85	49	6	8	–	–	9+	9+	1200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	06.7	+10	SSW	2	b	51	85	47	9	–	4	–	0	Tr	–
	Wick	114	03.1	-4	SW	4	bc	53	85	49	8	5	–	–	4-6	4-6	4500
16	Sumburgh	19	00.9	+14	SW'S	5	c-bc	55	85	51	7	8	4	–	4-6	7-8	3000
17	Blacksod Point	18	09.2	-2	SW	5	c	55	85	51	7	6	–	–	10	10	1500
18	Malin Head	84	07.8	+2	SSW	3	c	53	85	51	8	5	–	–	10	10	1500
	Aldergrove	268	11.4	+10	SSW	3	bc	50	92	48	8	5	–	–	4-6	4-6	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	12.5	-10	SSW	4	bc	56	85	52	8	2	–	–	4-6	4-6	2500
	Roches Point	22	14.2	-10	WSW	4	pr	55	97	51	7	3	1	–	4-6	9	1500

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

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)	18.8	+4	–	0	2o	54	92	52	6	5	–	–	9+	9+	2500	0	*
Croydon	20.5	+4	S	2	c	53	97	52	7	5	–	4	7-8	9+	4500	0	*
S. Farnborough	19.8	+6	W'S	2	c	53	92	51	8	5	–	–	9+	9+	4000	0	*
Boscombe Down	19.2	+2	SSW	1	c/r	53	97	52	7	5	7	–	7-8	9	800	1	*
Thorney Island	19.8	+6	SSW	2	c	60	85	54	8	8	–	–	7-8	9	2500	1	*
Lympne	21.0	+14	SW	1	bc	57	85	53	7	1	–	1	4-6	4-6	5000	0	3
Manston	20.6	+6	SW	2	bc	55	85	50	9	2	3	6	2-3	4-6	6000	0	*
Shoeburyness	20.2	+4	WSW	2	2o	56	85	52	5	–	3	1	0	7-8	–	0	*
Felixstowe	19.8	+6	SW'W	2	bc	55	92	53	7	–	3	–	0	4-6	–	0	3
Gorleston	18.3	+4	SW'W	2	b-bc	53	85	48	7	2	4	–	1	2-3	2000	0	2
Mildenhall	19.0	+6	SSW	3	bc	54	85	50	7	5	–	1	4-6	4-6	5000	0	*
Cranwell	17.4	+4	SW	4	2o	52	92	50	6	–	3	–	0	7-8	–	0	*
Birmingham	17.7	+2	S	2	c	52	92	50	7	5	7	–	4-6	9	4000	1	*
Upper Heyford	18.7	+2	S	2	c	52	92	49	7	7	–	–	9+	9+	6500	0	*
Ross-on-Wye	17.5	0	WSW	1	c	54	92	52	7	8	–	1	9	9+	3000	1	*
Hartland Point	16.4	0	WSW	3	cbc/pr	57	92	54	8	3	4	4	4-6	7-8	1500	1	4
Bristol	18.7	+6	SW'S	3	cbc	55	85	51	8	8	–	2	2-3	7-8	2500	1	*
Portland Bill	18.0	-4	W	4	c	58	75	52	8	2	4	–	4-6	10	4000	1	4
Plymouth	18.6	+2	SW'W	3	cbc	57	92	55	8	8	4	2	7-8	7-8	3000	1	2
The Lizard	17.9	-4	WNW	4	bc	56	85	52	8	8	6	–	4-6	4-6	2500	0	4
Scilly (St. Mary's)	17.9	-2	SW	4	c	58	75	51	8	5	4	–	7-8	9+	2000	0	4
Guernsey																	
Pembroke	15.8	-4	SW	4	cbc	58	91	57	8	8	4	–	4-6	7-8	2500	0	3
Holyhead (Valley)	14.3	-2	SSW	5	i/c	57	85	52	8	5	7	–	7-8	9+	2000	1	4
Chester (Sealand)	15.8	+4	SSE	1	c	51	85	48	7	5	3	3	1	3	4000	1	*
Manchester	15.3	+2	S	3	cbc	52	85	48	7	5	3	–	4-6	7-8	4500	1	*
Spurn Head	17.1	+6	SW	4	b-bc	53	85	49	7	1	4	–	2-3	2-3	4000	0	3
Catterick (Sc)	14.7	+4	S	2	c/pr	53	97	52	6	5	3	2	4-6	9+	4000	1	*
Tynemouth	14.7	+10	SSW	3	2o	54	75	47	6	8	–	–	9+	9+	1400	0	3
St. Abbs Head	11.3	+12	SW	4	c	51	75	45	8	5	4	–	7-8	9+	3000	0	3
Leuchars	10.4	+6	SSW	4	c-bc	51	92	49	7	4	3	3	1	7-8	5000	1	*
Renfrew (Abbots L)	10.5	+4	SSW	2	c	54	85	50	8	3	7	–	7-8	9+	1200	1	*
Eskdalemuir	12.3	+6	S'W	2	pr	50	92	47	6	5	7	–	7-8	9+	1100	1	*
Point of Ayre	12.7	0	WSW	3	bc	54	85	49	8	3	–	–	2-3	4-6	1800	0	2
Tiree	07.6	+6	WSW	2	c/pr	53	97	52	7	5	2	–	7-8	10	3000	1	2
Stornoway	03.4	+14	SW	5	cbc	54	75	46	8	8	4	–	7-8	7-8	1800	1	
Dalwhinnie	08.0	+12	SSW	3	i/c	49	85	45	6	5	–	–	10	10	1500	1	*
Aberdeen †	09.2	+12	S	2	c	52	85	48	7	5	7	–	Tr	9	1500	1	1
Wick	06.0	+14	SW	3	cbc	53	85	46	8	5	4	9	Tr	7-8	2500	0	*
Sumburgh	04.1	+18	SSW	5	c	54	85	49	8	5	3	–	4-6	9+	2000	0	4
Blacksod Point	08.2	-2	–	0	RR	55	85	51	7	6	2	–	4-6	10	1500	1	1
Malin Head	08.1	+4	S'W	3	rr	52	92	50	8	–	2	–	10	10	1500	2	3
Aldergrove	11.3	+4	SSW	2	fog	51	92	49	7	5	2	–	2-3	10	2500	1	*
Birr Castle	10.7	-6	S	1	cbc	54	85	50	8	5	–	–	7-8	7-8	2500	1	*
Valentia Obsy.	11.0	-6	SW'W	4	i/c	57	92	55	7	5	2	–	7-8	10	800	1	4
Roches Point	12.6	-6	WSW	3	pr	55	97	55	8	3	3	–	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 6th Hrs. (38)
London (Kew)	67	49	34	–	Tr	7.7
Croydon	70	51	45	0.2	–	8.1
S. Farnborough	69	49	39	0.1	Tr	8.7
Boscombe Down	65	46	42	Tr	0.5	7.6
Thorney Island	68	48	41	–	1	*
Lympne	69	49	48	–	–	10.9
Manston	71	49	41	–	–	10.1
Shoeburyness	71	53	41	–	–	8.[illegible]
Felixstowe	72	53	49	–	–	10.[illegible]
Gorleston	70	52	45	–	–	11.1
Mildenhall	70	50	41	–	–	9.4
Cranwell	67	47	43	–	–	9.3
Birmingham	65	49	40	–	–	8.4
Upper Heyford	67	48	41	–	–	*
Ross-on-Wye	64	53	48	1	1	6.8
Hartland Point	61	55	53	2	1	6.2
Bristol	65	53	47	0.5	Tr	7.4
Portland Bill	62	54	*	–	–	*
Plymouth	63	55	51	0.2	1	7.9
The Lizard	63	54	*	1	Tr	10.4
Scilly (St. Mary's)	65	56	*	Tr	–	8.0
Pembroke	60	56	*	1	Tr	8.1
Holyhead (Valley)	62	55	51	Tr	Tr	*
Chester (Sealand)	67	50	44	–	1	8.2
Manchester	64	51	46	–	Tr	*
Spurn Head	66	51	*	–	–	8.5
Catterick (Sc)	64	50	44	Tr	1	6.1
Tynemouth	64	51	48	–	–	*
St. Abbs Head	60	49	*	2	1	*
Leuchars	61	49	43	1	1	3.1
Renfrew (Abbots L)	61	53	41	2	0.4	0.4
Eskdalemuir	55	48	45	4	2	0.0
Point of Ayre	64	50	*	Tr	–	1.5
Tiree	59	51	50	2	1	0.4
Stornoway	60	52	48	2	5	2.2
Dalwhinnie	54	46	41	5	3	0.4
Aberdeen †	61	50	42	–	–	3.5
Wick	62	49	44	1	–	*
Sumburgh	57	54	51	–	Tr	5.7
Blacksod Point	57	53	*	0.6	1	*
Malin Head	58	51		0.5	2	0.1
Aldergrove	60	48	43	Tr	1	0.0
Birr Castle	61	51	48	2	0.1	2.4
Valentia Obsy.	60	53	48	0.6		1.5
Roches Point	60	54		0.4	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 6th September $C_L C_M$	ww $V_h N_h$	DDFWN	18h. G.M.T. $C_L C_M$	ww $V_h N_h$	DDFWN	01h. G.M.T. 7th September $C_L C_M$	ww $V_h N_h$	DDFWN	07h. G.M.T. $C_L C_M$	ww $V_h N_h$	DDFWN
100	87	02754	48566	83	02754	50425	87	02754	19424	53	01764	18414
115	87	81844	52586	57	81834	87687				54	02844	53686
203							8-	82838	16688			
206	54	25955	53686	86	81855	20487	5-	25853	20683	84	02954	20427
210	26	02955	50527	46	02865	51525	50	01962	22412	54	02963	20317
219	86	02745	51786	82	02786	18688	07	02790	19625	50	01843	19615
230	62	22745	51468	8-	22858	53588	8-	25855	53485	87	25846	16287
245	57	51744	51588	84	01753	20383	54	02861	54582	57	02751	22317
260	--	61855	51768	86	81744	53585	57	02754	53515	5-	02854	18315
278							50	01864	21314	83	02855	20227
279	52	61645	53768	53	81745	53687	80	01844	24584	54	02845	18316
285	62	63636	24688	67	22745	22567				27	05625	22467
288	26	02755	51516	57	02853	53528	54	01761	16482	53	02764	18426
575	62	61745	56568	8-	25854	56485	50	02865	53426	62	64634	18288
301	87	02855	22727	86	25863	53585	5-	02757	22587	54	02756	16427
321	86	02755	20426	84	01864	20424	50	01764	19314	53	05665	15215
299	8-	01754	20414	54	02754	20415	50	01753	20203			
303	36	05654	53515	87	02746	53488	50	05653	18313	57	05663	18217
310	--	01635	24515							--	01626	20426
614	26	02755	57416	86	25664	22385	50	05674	20114	03	08490	18220

III	13h. G.M.T. 6th September $C_L C_M$	ww $V_h N_h$	DDFWN	18h. G.M.T. $C_L C_M$	ww $V_h N_h$	DDFWN	01h. G.M.T. 7th September $C_L C_M$	ww $V_h N_h$	DDFWN	07h. G.M.T. $C_L C_M$	ww $V_h N_h$	DDFWN
888	86	02755	53626	23	02755	53425	5-	01754	18414	57	62745	18327
334	--	65647	26588	--	63647	26488				--	02643	22314
340	87	02855	20625				50	01864	20314	54	05652	14313
136	26	02865	20515	86	02955	20316	00	00790	20310	03	02790	20217
336	23	02754	20416	23	01754	24415				53	01753	20314
855	24	02855	55425	46	01863	20313	04	01790	20201	5-	05666	20326
366	83	01854	57484	83	02745	57426	50	25548	24288	5-	02754	24115
370	2-	02845	53585	70	01863	53523	50	01863	22283	57	02764	20316
390	20	01764	53514	83	05663	18327	00	05590	20220	07	08490	04227
838	86	01853	22524				00	00890	21210	57	02866	00027
432	20	25764	21584	24	02773	22614	80	01754	22414	20	01854	20314
433	87	02765	53528	26	01854	53414	50	01763	00013	50	02665	00026
400	85	01853	22514	86	81854	21425	5-	01764	18324	57	01842	20214

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 September
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	bcw cbc	bcy bc	bccmow
Croydon	bcbcy	bcy cpro	bwbmoc
Greenwich	bbcy	bccy	cbcy
Camden Square	bc	bc	*
Kensington	bc	bc	*
Hampstead	bc	c	c

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew [illegible] hours ending 9h. Max. [illegible] time 0.1 6th 7th
Min. Time <0.1 8-24th 6th

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	67	49	34	–	Tr	7.7	*	*
Croydon	70	51	45	0.2	–	8.1	*	*
Greenwich	72	47	35	–	–	8.2	44	57
Westminster	69	51	44	–			61	74
Regents Park	71	51	42	–	–		47	64
Camden Square	70	51	42	–	–	*	*	68
Kensington	71	50	*	Tr	–		71	64
Hampstead	69	49	44	–	–		*	72

SECRET

BRITISH SECTION

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

Wednesday 8th September 1943

No. 29875

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

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)	18·6	−10	SWS	4	c	63	65	50	8	8	7	–	7-8	9+	1500
	Croydon ...	19·5	−8	SSW	3	c	63	75	53	8	8	6	2	7-8	9+	3000
	S. Farnborough	19·1	−6	WSW	4	c/pr	62	65	50	8	8	7	–	7-8	9+	2000
	Boscombe Down	18·4		SW	3	c/pr	63	65	50	8	2	7	2	4-6	9	2000
	Thorney Island	19·4	−4	SW	3	c/pr	64	85	58	9	8	6	–	2-3	9+	2500
	Lympne ...	19·7	−10	S	3	c	64	75	54	8	1	6	8	2-3	9+	4200
	Manston ...	19·2	−6	SSW	3	c	67	55	48	8	1	7	7	2-3	10	2600
2	Lowestoft ...	19·1	−10	SW	5	c	68	45	47	8	2	6	–	9	9+	2500
	Felixstowe ...	19·5	−6	S	3	c	64	65	52	8	5	3	–	7-8	9+	4000
	Gorleston ...	18·4	−4	SWS	4	c	65	55	49	7	6	2	–	10	10	2500
	Mildenhall ...	17·9	−10	SSW	4	c	68	45	48	8	8	3	2	2-3	9	2500
	Cranwell ...	16·1	−14	SSW	4	c	65	65	50	8	2	–	2	7-8	9	3300
3	Birmingham ...	16·6	−4	SSW	5	c	63	55	47	8	8	7	–	4-6	9+	2500
	Upper Heyford	17·0	−14	SWW	3	c-bc	66	55	47	9	8	5	8	2-3	7-8	2800
4	Ross-on-Wye	16·6	−8	SWW	4	c-bc	64	65	50	8	7	–	1	7-8	7-8	3500
5	Hartland Point	16·0	−10	WSW	3	c	60	85	53	8	2	7	–	1	9+	1800
	Bristol ...	17·4	−10	SW	3	c-bc	66	55	51	8	2	6	–	4-6	7-8	3000
	Portland Bill ...	18·6	−2	SW	4	c-bc	62	75	55	8	2	4	1	4-6	7-8	4000
	Plymouth ...	18·6	−2	SWW	4	c	61	85	57	8	2	7	–	2-3	9+	3000
	The Lizard ...	17·9	−8	WSW	3	bc	63	75	55	6	2	3	–	4-6	4-6	3500
	Scilly (St. Mary's)	17·7	−2	SWW	4	c	65	75	55	8	8	6	–	7-8	9+	1500
	Guernsey ...															
6	Pembroke ...	15·4	−4	SWW	6	c-bc	61	92	59	8	8	6	–	4-6	7-8	2500
7	Holyhead (Valley)	13·5	−6	SWS	5	bc	63	75	56	8	2	6	9	2-3	4-6	2000
	Chester (Sealand)	14·3	−10	SSW	4	c/pr	65	55	48	9	8	7	9	4-6	9	3000
8	Manchester ...	15·1	−10	SW	4	c	63	55	58	8	2	4	–	4-6	9+	2500
10	Spurn Head ...	16·5	−8	SW	4	c-bc	65	55	49	7	7	7	–	7-8	7-8	4200
	Catterick (Sc) ...	14·2	−6	SSW	3	c-bc	63	75	55	8	8	6	8	4-6	7-8	3000
	Tynemouth ...	14·7	−4	SSW	3	zo	63	55	47	6	8	–	–	7-8	7-8	2700
11	St. Abbs Head	11·0	−10	S	4	pr	56	85	52	7	5	6	–	7-8	9+	2500
	Leuchars ...	11·1	−2	SSW	3	c/pr	59	75	51	8	8	7	–	2-3	9+	2000
12	Renfrew (Abbotsl.)	09·9	−10	SW	3	pr	61	75	55	7	8	7	–	7-8	9+	1600
	Eskdalemuir ...	11·7	0	S	4	RR	54	97	53	4	–	2	–	10	10	300
	Point of Ayre ...	11·7	−10	WSW	5	c	60	85	56	8	9	–	–	9+	9+	1800
13A	Tiree	08·9	+2	SWS	5	c/pr	55	92	53	8	8	7	–	9	9+	900
13B	Stornoway ...	06·0	+4	SW	4	pr	55	85	51	8	8	6	–	9	9+	1100
15	Dalwhinnie ...	08·4	+6	SW	3	c	52	85	46	7	5	–	–	9+	9+	2500
	Aberdeen ...	11·1	+10	SWS	3	ir	54	85	51	6	5	2	–	Tr	10	1500
	Wick ...	08·0	+4	SW	3	c	58	75	50	9	5	7	–	2-3	9	2500
16	Sumburgh ...	07·9	+14	SSW	5	c-bc	55	85	51	8	5	–	2	7-8	7-8	4000
17	Blacksod Point	10·3	+10	WNW	3	c	58	85	53	8	8	–	–	9+	9+	1500
18	Malin Head ...	08·4	+2	SWS	2	iR	56	92	54	8	–	2	–	10	10	1500
	Aldergrove ...	10·0	−6	SW	3	c/pr	57	85	54	8	8	7	–	9	9+	1200
19	Birr Castle ...	10·9	0	S	1	c	62	75	54	8	8	7	–	7-8	9	1500
20	Valentia Obsy.	13·4	+10	WS	4	c	59	85	54	8	8	–	–	9+	9+	5700
	Roches Point	13·0	−2	SW	4	c-bc/pr	61	85	56	8	3	3	–	4-6	7-8	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	17·2	−3	SWS	2	c-bc	63	55	49	8	7	3	6	2-3	7-8	4000	0	•
	Croydon ...	17·8	−16	S	3	c-bc	63	65	50	8	4	4	6	Tr	7-8	5000	0	•
	S. Farnborough	17·1	−10	SWW	3	bc	63	65	49	8	4	7	4	1	4-6	3000	0	•
	Boscombe Down	17·1	−4	SSW	3	c-bc	59	65	49	8	2	7	6	1	7-8	3000	0	•
	Thorney Island	17·8	−6	SWS	3	c-bc	63	65	53	9	8	6	3	2-3	7-8	4000	0	•
	Lympne ...	18·1	−10	WSW	3	c-bc	61	75	52	8	5	4	9	2-3	7-8	5000	0	§1
	Manston ...	18·0	−10	SW	3	c-bc	64	55	49	8	3	8	2	1	7-8	3000	0	•
2	Lowestoft ...	18·2	−4	SW	3	bc	63	55	48	8	4	4	2	2-3	4-6	4000	0	•
	Felixstowe ...	17·6	−8	SSW	4	bc	64	65	51	8	–	3	5	0	4-6	–	0	4
	Gorleston ...	17·0	−8	SW	2	c	65	65	53	7	8	7	2	4-6	9+	2600	0	3
	Mildenhall ...	16·2	−6	SW	3	c	64	55	49	8	5	–	2	4-6	9+	4000	0	•
	Cranwell ...	15·0	0	SWW	4	c	64	55	49	8	2	7	2	4-6	9	4500	0	•
3	Birmingham ...	15·4	−2	SSW	2	c	62	65	49	8	8	7	–	7-8	9+	2500	0	•
	Upper Heyford	16·2	0	SW	3	c	63	55	47	9	8	3	2	7-8	9	4000	0	•
4	Ross-on-Wye	15·7	−4	SWW	2	bc	60	75	52	8	8	–	–	4-6	4-6	3500	0	•
5	Hartland Point	14·7	−8	W	4	bc	60	85	55	8	3	4	3	4-6	4-6	1500	0	4
	Bristol ...	16·8	+2	SW	1	c/pr	57	97	56	6	8	6	–	9	9+	4000	1	•
	Portland Bill ...	17·7	−8	SW	4	c-bc	61	85	58	8	2	4	–	4-6	7-8	4000	1	4
	Plymouth ...	17·4	−2	SWW	4	bc	60	92	57	8	8	4	1	2-3	4-6	3000	0	3
	The Lizard ...	11·1	−6	WSW	4	bc	61	75	56	7	8	3	–	4-6	4-6	2500	0	4
	Scilly (St. Mary's)	16·3	−6	WSW	5	c/pr	59	85	55	8	8	7	–	7-8	9+	1500	0	4
	Guernsey ...																	
6	Pembroke ...	14·5	−4	W	5	r.r.	57	97	56	7	6	2	–	2-3	10	1000	1	4
7	Holyhead (Valley)	13·1	−2	SW	5	c	59	85	55	8	8	6	–	7-8	9+	1500	1	4
	Chester (Sealand)	13·5	−4	SW	3	c	62	55	47	8	8	–	8	9	9	2500	0	•
8	Manchester ...	13·9	−6	SSW	4	pr	59	85	52	7	2	6	–	4-6	4-6	2500	0	•
10	Spurn Head ...	14·8	−6	SW	3	c	65	65	50	7	7	7	–	4-6	9+	4000	0	3
	Catterick (Sc) ...	13·5	−4	SSW	2	c-bc/pr	59	85	55	6	8	7	–	7-8	7-8	3500	0	•
	Tynemouth ...	13·2	−6	SW	3	zo	60	75	50	6	8	–	–	7-8	7-8	2400	0	3
11	St. Abbs Head	10·5	0	SSW	4	rr	55	92	53	7	5	2	–	7-8	10	2500	1	3
	Leuchars ...	10·2	+2	–	0	iR	55	92	53	6	5	7	–	4-6	10	2000	1	•
12	Renfrew (Abbotsl.)	10·2	+6	SW	2	pr	55	97	54	7	8	7	–	9	9+	2000	1	•
	Eskdalemuir ...	10·3	−6	SSW	3	zo	54	92	52	6	5	–	–	9+	9+	1100	2	•
	Point of Ayre ...	10·9	−4	W	4	c-bc	60	75	53	8	3	–	2	2-3	7-8	2000	1	4
13A	Tiree	10·1	+6	W	2	bc	55	85	51	9	1	3	–	2-3	4-6	2500	1	3
13B	Stornoway ...	07·1	−10	SW	4	c/pr	56	75	48	8	8	3	5	7-8	9	1500	1	2
15	Dalwhinnie ...	09·0	0	SW	3	c/pr	50	97	50	6	5	2	–	7-8	10	1500	1	•
	Aberdeen ...	09·9	−4	S	2	c/r	56	92	54	7	5	7	–	4-6	9+	1500	1	1
	Wick ...	09·5	+2	SSW	3	c	55	85	51	9	8	7	–	4-6	9	3000	0	•
16	Sumburgh ...	08·6	+4	SE	4	c	55	85	51	8	5	3	9	7-8	9	3500	0	3
17	Blacksod Point	12·9	+16	WNW	3	bc	56	75	48	8	8	–	4	4-6	4-6	1500	.	3
18	Malin Head ...	10·4	+18	NNW	3	c-bc	55	85	50	8	8	7	–	4-6	7-8	1500	2	2
	Aldergrove ...	110	+12	–	0	c/pr	56	92	54	9	9	–	–	9	9+	1800	1	•
19	Birr Castle ...	11·9	+12	W	2	c-bc	60	75	52	8	4	–	–	7-8	7-8	1500	1	•
20	Valentia Obsy.	15·4	+16	NNW	3	b-bc	58	75	50	8	2	6	–	2-3	2-3	2500	1	3
	Roches Point	14·0	+10	WN	3	c-bc	58	85	53	8	3	–	5	4-6	7-8	1500	1	4

PAST 24 HOURS. WEATHER.

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

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 8th September 1943

Districts	Forecast
1 S.E. England 2 E. England .. 3 E. Midlands ... 4 W. Midlands	Light northwest to variable winds; fair with considerable bright periods, some fog around dawn, dispersing fairly quickly in the forenoon; rather warm.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Light west to southwest wind; fair or fine; rather warm.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	As 1-4
12 S.W. Scotland & Isle of Man	As 5-8
13A W. Scotland ... 13B N.W. Scotland	Moderate southwest winds; local showers at first, more general rain later; rather cool.
14 Mid Scotland 15 N.E. Scotland	Light to moderate west to southwest winds; fair apart from a few scattered showers; rather warm.
16 Orkneys and Shetlands	As 14-15.
17 N.W. Ireland 18 N.E. Ireland	As 13A-B.
19 S.E. Ireland	As 5-8.
20 S.W. Ireland	As 13A-B.

GENERAL INFERENCE

A ridge of high pressure is building up over the British Isles; weather will be fair or fine apart from some local showers in the west and north; in East and Southeast England and the Midlands there will be some fog around dawn; later some more general rain is expected to spread into West and North Ireland and West and Northwest Scotland; it will be rather cool in the North and Northwest, rather warm elsewhere.

FURTHER OUTLOOK

Occasional rain in North and northwest; fair in Southeast.

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 8th September 1943.

LOW

HIGH

STATION MODEL

High Cloud
Medium cloud
Total Amount of cloud
Temperature °F.
Wind
Present weather
Barometer mb.
Visibility
Bar. change in past 3-hours in tenths
Dew Point °F
Weather in past hour
Low cloud
Past weather
Amount of Low cloud
Height of Low cloud (Code figure (one figure) or hundreds of feet (two figures))

Scale 1: 5,000,000.

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.

Page 4.

BRITISH SECTION

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

Wednesday 8th September 1943

No. 29875

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

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	*	*	*	*	*	54	*	*	*	*	*	*	*	*	*
	Croydon	290	18·4	-2	SSW	2	b-bc	53	92	51	7	5	-	-	2-3	2-3	3500
	S. Farnborough	226	17·1	-6	SW	2	bc	52	97	50	7	-	7	-	0	4-6	-
	Boscombe Down	417	17·4	-6	-	0	c-bc	53	97	52	8	5	-	-	7-8	7-8	7000
	Thorney Island	10	17·2	-8	-	0	bc	51	92	49	8	7	-	-	4-6	4-6	2500
	Lympne	283	18·1	+2	W	2	b	52	97	50	8	-	-	-	0	0	-
	Manston	154	17·6	-4	W	1	bc	56	85	50	7	5	-	-	4-6	4-6	5000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	17·2	-6	W	1	b	55	85	51	8	-	-	-	0	0	-
	Gorleston	5	16·9	-2	W'S	1	b	56	85	50	7	-	-	-	0	0	-
	Mildenhall	15	16·2	-6	SSW	2	c-bc	55	85	50	8	5	-	-	7-8	7-8	7000
	Cranwell	203	15·4	-6	WSW	2	b-bc	58	92	51	6	5	-	-	2-3	2-3	4000
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·5	-2	SW'S	2	bc	54	85	50	7	8	-	-	4-6	4-6	4500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16·4	+2	W	3	b-bc	57	85	53	8	2	-	-	2-3	2-3	1500
	Bristol	209	16·9	-2	WNW	1	c/pr	54	92	52	7	2	-	-	9	9	1800
	Portland Bill	32	17·3	-8	SW	4	c-bc	59	85	55	7	5	-	-	7-8	7-8	4000
	Plymouth	86	18·0	+4	W	3	b	55	97	54	7	5	-	-	Tr	Tr	2000
	The Lizard	240	18·5	+4	NW	3	bc	56	85	51	8	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	18·9	+6	WNW	4	b-bc	56	85	51	8	1	4	-	1	2-3	1800
	Guernsey	175															
6	Pembroke	142	17·0	+10	WNW	2	bc	58	92	55	8	2	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	15·1	+10	NW'W	2	b-bc	55	85	52	8	8	-	-	2-3	2-3	5700
	Chester (Sealand)	16	14·7	+2	-	0	c/pr	55	92	53	6	8	7	-	7-8	10	2900
8	Manchester	230	14·8	+2	S	3	bc/pr	54	92	52	7	4	-	-	4-6	4-6	2500
10	Spurn Head	29	15·1	-4	SW	2	o	57	85	52	7	5	-	-	10	10	2500
	Catterick (Sc)	192	14·3	+2	SW	1	Zo	52	97	51	6	-	3	-	0	4-6	-
	Tynemouth	108	13·9	0	SW	2	b-bc	54	92	52	7	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	11·7	+6	W	2	b-bc	52	85	48	7	5	-	-	2-3	2-3	4000
	Leuchars	36	12·0	+8	WSW	1	b-bc	49	92	47	7	-	4	-	0	2-3	-
12	Renfrew (Abbots I.)	19	13·2	+14	W	1	Zo	47	92	46	6	8	-	-	4-6	4-6	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	14·0	+12	NNE	2	pr	56	85	52	8	3	-	-	2-3	2-3	2000
13A	Tiree	44	13·4	+10	WNW	2	c-bc	52	92	49	8	4	6	-	4-6	7-8	2000
13B	Stornoway	12	10·7	+12	WSW	2	bc	50	92	48	8	4	6	-	2-3	4-6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	11·3	+8	WNW	2	b-bc/r	50	92	48	8	5	-	-	2-3	2-3	6000
	Wick	114	10·7	+6	SW	1	bc	51	85	47	8	5	4	-	4-6	4-6	2500
16	Sumburgh	19	10·2	+2	SSW	2	c-bc	53	92	51	8	5	4	-	7-8	7-8	3500
17	Blacksod Point	18	15·4	+2	W'S	3	b-bc	54	75	47	8	8	-	-	2-3	2-3	2500
18	Malin Head	84	13·4	+6	SSW	2	c	53	85	49	8	5	-	-	10	10	1500
	Aldergrove	268	15·1	+18	-	0	bc/pr	48	97	47	8	5	-	-	4-6	4-6	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18·3	+6	NE'E	2	b	48	92	46	8	1	-	-	1	1	2500
	Roches Point	22	17·8	+10	NW'N	4	b	53	97	52	8	-	-	-	0	0	-

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Night 18h–7h mm. (37)	Sunshine 7th Hrs. (38)
London (Kew)	18·2	+10	SW'W	2	Zo	55	92	52	6	5	3	-	9	9+	4000	0	*	64	51	37	0·5	Tr	2·1
Croydon	18·7	+10	SW	2	fg	55	97	53	7	4	-	2	9	9+	3000	0	*	65	51	47	Tr	-	2·6
S. Farnborough	18·0	+12	WNW	2	b-bc	52	97	51	8	5	4	1	Tr	2-3	3000	0	*	66	49	38	1	Tr	3·3
Boscombe Down	18·5	+10	-	0	Zo	50	97	50	6	5	-	1	Tr	Tr	4000	0	*	66	48	44	Tr	Tr	5·9
Thorney Island	18·2	+10	W'S	1	fg	53	97	53	7	8	-	1	Tr	1	2500	1	*	66	40	40	Tr	Tr	*
Lympne	18·3	+6	W'S	1	b-bc	55	92	53	8	3	1	-	2-3	2-3	2500	0	§1	66	49	38	-	-	6·2
Manston	17·7	+4	SW'W	2	b	53	92	51	8	-	4	-	0	1	-	1	*	67	49	*	-	-	5·3
Shoeburyness	17·9	+8	WSW	2	Zo	56	92	54	5	-	4	-	0	1	-	0	*	71	52	40	-	-	[illegible]
Felixstowe	17·6	+8	W'N	3	bc/pr	55	92	53	7	-	7	-	0	4-6	-	0	2	69	53	45	-	Tr	5·3
Gorleston	15·7	+2	W	2	bc	54	92	51	7	-	5	-	0	4-6	-	1	2	67	52	45	-	-	5·0
Mildenhall	17·0	+12	SW'W	2	Zo	55	92	52	6	5	3	1	7-8	7-8	4500	0	*	69	54	46	-	-	4·8
Cranwell	16·6	+14	W'S	1	Zo	55	92	53	6	5	3	-	4-6	7-8	3500	0	*	68	52	49	-	Tr	6·0
Birmingham	18·0	+10	W	2	Zo	52	92	50	5	-	4	1	0	2-3	-	1	*	64	50	46	-	2	2·8
Upper Heyford	17·5	+10	WNW	1	b-bc	51	97	50	7	5	-	2	1	2-3	5700	1	*	68	49	44	-	0·3	*
Ross-on-Wye	17·9	+14	SW'S	1	fg	47	97	46	8	5	-	1	2-3	2-3	3500	1	*	66	46	40	-	2	5·3
Hartland Point	18·8	+20	WNW	3	bc	56	92	53	8	2	-	5	2-3	4-6	2200	1	4	61	55	52	-	7	5·2
Bristol	18·5	+10	-	0	Zo	52	97	50	6	-	4	2	0	2-3	-	1	*	67	47	41	5	1	7·6
Portland Bill	19·0	+18	WNW	3	c-bc	59	85	55	8	2	4	-	4-6	7-8	4000	1	4	62	56	*	-	-	*
Plymouth	20·0	+16	NW	1	bcjf	49	97	49	6	2	3	1	2-3	4-6	2500	0	1	63	48	38	-	-	7·5
The Lizard	18·9	+6	-	0	b-bc	53	92	51	8	1	-	-	2-3	2-3	3000	0	3	64	52	*	-	Tr	8·7
Scilly (St. Mary's)	19·9	+10	NW'W	1	bc	54	85	51	8	1	4	3	2-3	4-6	1600	0	2	66	53	*	Tr	-	5·3
Guernsey																							
Pembroke	18·7	+10	NNW	2	bc	55	92	52	8	2	4	1	2-3	4-6	2500	1	2	62	54	*	3	2	2·9
Holyhead (Valley)	17·7	+14	-	0	bc	50	97	50	8	8	6	1	2-3	4-6	2000	1	2	64	48	38	1	-	*
Chester (Sealand)	16·7	+10	-	0	bc	55	85	51	8	2	3	6	Tr	4-6	3000	1	*	67	51	42	7	0·2	5·4
Manchester	16·6	+12	SS'W	2	Zo	50	97	50	5	2	6	3	2-3	4-6	3000	1	*	65	49	44	Tr	Tr	*
Spurn Head	16·1	+8	W	3	Zo	56	92	54	6	7	-	-	9+	9+	2500	0	2	67	55	*	-	Tr	9·1
Catterick (Sc)	15·9	+16	-	0	Zo	48	97	48	5	5	3	-	2-3	7-8	4500	1	*	66	48	45	0·1	0·4	4·2
Tynemouth	11·1	+18	WSW	3	Zo	52	92	49	6	5	3	1	4-6	4-6	2800	1	2	64	52	49	-	2	*
St. Abbs Head	14·1	+16	W	3	bc	52	85	46	8	5	4	-	2-3	4-6	2500	0	3	62	50	*	2	0·6	*
Leuchars	14·9	+20	WSW	2	bc	48	92	46	8	-	3	6	0	4-6	-	1	*	62	47	39	5	3	1·5
Renfrew (Abbots I.)	15·7	+16	-	0	Zo	49	97	49	6	2	3	6	Tr	7-8	2000	1	*	61	46	36	4	1	0·5
Eskdalemuir	16·3	+12	-	0	c-bc	46	92	43	8	5	3	-	4-6	7-8	1800	1	*	57	44	37	21	0·6	1·0
Point of Ayre	16·6	+16	W'N	2	bc	53	45	50	8	2	-	4	4-6	4-6	3000	1	2	62	51	*	2	1	1·3
Tiree	14·4	+8	SW	3	c	54	85	51	9	7	3	5	4-6	9+	2800	1	2	58	49	43	7	0·1	2·0
Stornoway	12·1	+10	SSW	3	c	52	85	48	8	8	7	-	7-8	9+	5000	0	1	60	47	40	0·4	Tr	3·4
Dalwhinnie	15·0	+14	SSW	2	c-bc	46	92	44	8	7	-	2	2-3	7-8	2500	1	*	54	42	36	1	1	0·5
Aberdeen †	14·3	+20	WNW	2	c-bc	50	85	46	8	5	-	-	7-8	7-8	4000	1	1	57	48	44	2	3	0·3
Wick	13·4	+20	W	1	c-bc	49	85	45	9	5	1	2	4-6	7-8	5000	0	*	60	44	40	Tr	Tr	*
Sumburgh	12·2	+16	-	0	c/f	51	97	50	7	2	4	1	2-3	4-6	2000	0	0	58	48	37	-	-	4·3
Blacksod Point	15·3	+2	SW'S	3	c	55	85	50	8	8	3	-	4-6	9+	2500	1	2	59	50	*	4	0·2	*
Malin Head	14·6	+6	SSW	3	c	52	85	47	8	5	-	-	9	9	1500	2	2	58	48		5	0·1	2·6
Aldergrove	17·0	+12	SW	1	c	48	92	47	7	5	7	-	Tr	9+	1500	1	*	60	44	47	3	4	0·9
Birr Castle	17·2	+6	S	1	bc	46	92	44	8	5	-	-	4-6	4-6	2500	1	*	63	41	37	3	0·2	4·1
Valentia Obsy.	17·4	-4	SE'E	2	bc/pr	50	97	49	8	5	3	1	4-6	4-6	2500	1	2	61	45	41	0·4	0·1	4·5
Roches Point	18·7	+6	NNW	1	bc	49	97	48	8	5	-	5	Tr	4-6	2500	1	2	62	49		2	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 7th September $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 8th September $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	87	02865	16416	57	62645	17268	57	22644	24265	83	02743	22215
115							54	01854	24327	24	02954	24224
203										5-	02847	16427
206	57	02965	18527	53	02954	20227	5-	01854	22314	50	01862	24313
210	52	62964	18467	57	61965	20166	04	01990	21263	54	01963	20214
219	26	01853	20413	23	02853	22486	8-	25844	20384	87	02845	20427
230	57	52745	00084	47	25956	16187	8-	02855	00025	83	02955	00026
245	57	22743	18367	52	62626	16288	54	01651	00062	7-	02964	23114
260	87	81654	00025	87	25654	20165	5-	05645	00025	57	02744	04225
278	82	81845	20367	86	81856	22387	50	01863	24383			
279	27	02845	20666	8-	02866	20486	5-	02855	24115	23	01852	20124
285	27	25745	22587	27	81635	24587				53	02744	28426
288	83	02764	18417	86	22665	18365	07	05690	18265	54	05675	00016
576	9-	81745	24387	27	01854	26314	50	01864	29114	73	02876	18127
301	57	25655	20488	76	01863	19284	26	01744	20224	26	25845	30286
321	20	02754	18415	84	25764	18385	57	01664	20124	53	05663	16164
290	24	05654	20314	84	02754	20315	50	01754	22214	5-	62646	26166
292	20	05664	20327	83	05654	20227	57	05663	00024	53	05564	18125
310	--	01634	20414	--	01635	2045				--	01626	24226
614	16	02764	20325	86	.565[illegible]	[illegible]			[illegible]5217	03	05590	26125

III	13h. G.M.T. 7th September $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 8th September $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
388	23	02854	18466	83	02743	20485	50	01753	20113			
334				--	63647	26388				--	01762	00013
340	87	25955	20486	57	25956	18287	52	02745	20128	50	04953	00024
136	8-	02865	18426	86	02965	18327	66	01990	20125	09	05690	20166
336	23	25754	20486	23	02753	20316				13	01753	24314
850	20	02855	18326	46	02854	16326	54	22774	18224	04	05690	22223
368	83	25954	20286	83	01764	24324	50	01754	00084	80	02763	00014
379				97	02844	20287	8-	81635	20226	50	01771	26383
390	5-	05665	22327	04	05690	18227	50	05663	00013	07	05690	20122
382	27	02854	20426	87	02964	22325	07	01890	20224	04	41690	00041
438	87	02753	23317	84	01753	24314				54	02754	22385
430	57	61744	18367	10	02853	17326	57	02852	00016	50	04733	23214
409	87	02954	21526	37	01853	20425	50	01744	24224	20	01953	29124

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 8th September
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	crorroc	ccy	bccmow
Croydon	ccproc	ccybcy	bcwbcfg
Greenwich	ciro	iroc	bcwmo
Camden Square	c	c	*
Kensington	cpbc	bc	*
Hampstead	bcor	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew [illegible]hours ending [illegible]h. Max. 0·2, Time 10–11h 7th. Min. <0·1, Time 12–13h 7th.

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	64	51	37	0·5	Tr	2·1	*	*
Croydon	65	51	47	Tr	-	2·6	*	*
Greenwich	68	49	37	0·3	-	2·3	79	77
Westminster	66	53	45		-		76	87
Regents Park	65	53	45	0·7	-		57	73
Camden Square	65	52	45	0·3	-	*	*	80
Kensington	67	52	43	0·1	Tr			59
Hampstead	64	51	46	0·3	-		*	83

SECRET

Page 1

BRITISH SECTION

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

Thursday 9th September 1943

No. 29876

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

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)	18·9	+2	NNW	2	c	67	45	47	8	2	-	6	4-6	9	2500
	Croydon ...	19·6	+2	W	3	c-bc	67	55	49	8	2	-	1	7-8	7-8	3000
	S. Farnborough	18·9	+2	NW'N	2	c	67	45	48	8	2	-	6	7-8	9	2500
	Boscombe Down	19·0	+2	NW'W	1	c-bc	67	52	49	8	1	-	2	4-6	7-8	3000
	Thorney Island	19·2	+2	SW'W	2	c-bc	68	55	53	9	8	-	3	4-6	7-8	4000
	Lympne ...	18·7	0	-	0	c-bc	66	55	49	8	2	-	1	7-8	7-8	3500
	Manston ...	18·3	+2	-	0	c-bc	66	65	53	9	2	6	3	4-6	7-8	3000
2	Shoeburyness ...	18·9	+6	SW	3	2o	69	55	51	6	2	-	1	4-6	7-8	2500
	Felixstowe ...	18·5	+4	S'E	3	c-bc	66	65	54	8	7	-	-	4-6	7-8	2500
	Gorleston ...	17·7	-8	E	2	c	63	85	58	7	2	-	-	9	9	3500
	Mildenhall ...	18·0	0	W	2	c-bc	68	65	53	8	8	-	-	7-8	7-8	4000
	Cranwell ...	17·8	+2	WSW	1	bc	65	55	50	7	2	-	-	4-6	4-6	3500
3	Birmingham ...	19·1	+2	WNW	1	c	62	55	46	8	8	-	9	7-8	9	2500
	Upper Heyford	18·2	0	NNW	2	c	66	55	49	9	8	-	6	4-6	9+	2800
4	Ross-on-Wye	18·6	0	S'W	2	bc	67	55	49	9	1	-	2	2-3	4-6	4000
5	Hartland Point	19·9	+2	W	3	c	59	75	51	9	2	-	5	2-3	4-6	2500
	Bristol ...	19·4	-2	W	2	bc	65	55	49	8	2	-	2	2-3	4-6	3000
	Portland Bill ...	20·3	+4	W	3	bc	62	85	59	8	2	-	-	4-6	4-6	4000
	Plymouth ...	20·5	0	SW	3	b-bc	62	75	55	9	2	-	1	2-3	2-3	3500
	The Lizard ...	20·5	0	WSW	2	b-bc	64	65	53	8	2	-	-	2-3	2-3	3500
	Scilly (St. Mary's)	20·4	-2	SW'S	2	b-bc	65	65	53	9	1	4	-	2-3	2-3	1800
	Guernsey ...															
6	Pembroke ...	20·4	+2	WSW	1	bc	60	75	53	8	2	4	1	2-3	4-6	2500
7	Holyhead (Valley)	19·3	+4	SW'W	3	bc	60	65	51	8	2	-	2	2-3	4-6	3000
	Chester (Sealand)	18·4	+4	NW	2	c-bc	64	55	49	9	2	-	2	4-6	7-8	3500
8	Manchester ...	18·7	+8	NW'W	3	c-bc	62	65	52	7	2	-	3	4-6	7-8	3000
10	Spurn Head ...	17·0	+2	ENE	3	c-bc	63	75	53	7	2	6	-	4-6	7-8	2500
	Catterick (Sc) ...	17·4	+6	N	1	c-bc	63	65	50	8	2	-	-	7-8	7-8	3500
	Tynemouth ...	18·6	+8	SE	3	bc	60	85	48	7	2	4	-	4-6	4-6	1800
11	St. Abbs Head	16·9	+14	NNW	1	c-bc	56	75	48	8	2	6	-	4-6	7-8	3500
	Leuchars ...	16·8	+6	SW	4	c-bc	64	55	46	9	2	-	5	4-6	7-8	3500
12	Renfrew (Abbots I.)	17·2	+6	SW'S	3	c	61	55	46	8	8	-	1	7-8	9	3000
	Eskdalemuir ...	17·3	+12	S'W	2	c-bc	57	65	46	8	8	-	-	7-8	7-8	2100
	Point of Ayre ...	18·3	+4	NNW	2	b-bc	61	75	52	8	2	-	4	1	2-3	3000
13A	Tiree ...	16·3	+8	SW'S	4	pr	55	97	53	9	9	7	-	7-8	9+	600
13B	Stornoway ...	14·3	+10	SSW	5	ir.	57	85	52	8	6	7	-	7-8	10	2000
15	Dalwhinnie ...	16·4	+4	SW	2	c	53	75	43	8	5	-	-	9+	9+	2500
	Aberdeen ...	16·9	+8	SSE	2	c	58	75	50	8	8	4	6	2-3	9	2500
	Wick ...	16·0	+10	S	2	c-bc	59	75	50	9	8	3	2	4-6	7-8	3000
16	Sumburgh ...	15·6	+14	W'S	3	c-bc	57	85	51	9	1	-	5	Tr	7-8	1800
17	Blacksod Point	15·1	-2	S'W	4	c	59	75	51	8	8	-	-	9+	9+	2500
18	Malin Head ...	15·5	+2	S'W	3	c-bc	59	65	46	8	2	-	5	4-6	7-8	1500
	Aldergrove ...	18·0	+2	WSW	3	c	57	75	49	9	3	7	-	9	9+	4500
19	Birr Castle ...	17·2	-8	SSW	2	c-bc	62	65	49	8	4	-	-	7-8	7-8	2500
20	Valentia Obsy.	17·4	-2	S'W	5	c-pr	61	75	53	9	8	-	-	9	9	4000
	Roches Point	18·8	-6	S'E	3	c-bc	60	85	55	8	5	-	-	7-8	7-8	1500

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

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)	18·9	+2	NW'N	1	c	66	55	49	8	7	3	4	2-3	9	4000	0	•
	Croydon ...	19·5	+2	W'S	2	c	67	55	50	8	5	-	6	7-8	9	6000	0	•
	S. Farnborough	19·1	+2	-	0	bc	66	52	50	8	4	4	2	2-3	4-6	4000	0	•
	Boscombe Down	19·1	+2	NW	1	bc	65	55	48	8	1	-	2	1	4-6	2500	0	•
	Thorney Island	19·0	+2	WSW	2	c-bc	64	75	55	8	4	-	6	Tr	7-8	4000	0	•
	Lympne ...	19·1	+4	SSW	2	c	63	75	53	7	4	-	4	2-3	9+	5000	0	3
	Manston ...	18·7	+2	SSE	3	c	63	75	56	8	4	-	4	9+	9+	4000	0	•
2	Shoeburyness ...	19·3	+2	E'S	2	bc	65	65	52	7	4	6	1	Tr	4-6	4000	0	•
	Felixstowe ...	18·7	+2	S	3	c	63	75	55	8	1	7	2	Tr	7-8	4000	0	3
	Gorleston ...	18·5	+18	NNE	2	bc	62	85	57	7	-	7	-	0	4-6	-	0	3
	Mildenhall ...	18·5	+2	-	0	c-bc	67	65	53	8	5	-	2	Tr	7-8	4000	0	•
	Cranwell ...	18·7	+6	NNW	1	bc	65	65	51	7	2	6	1	Tr	4-6	4500	0	•
3	Birmingham ...	19·0	0	SW	1	b-bc	64	55	48	8	8	-	1	2-3	2-3	2500	1	•
	Upper Heyford	18·7	+2	WNW	1	bc	65	55	50	9	4	6	2	Tr	4-6	4000	0	•
4	Ross-on-Wye	18·5	0	SW	2	c-bc	63	65	53	8	8	-	1	7-8	7-8	3500	0	•
5	Hartland Point	19·1	-4	NNE	2	b-bc	57	75	49	9	1	4	-	2-3	2-3	3000	0	3
	Bristol ...	19·1	-2	W	2	b-bc	63	65	52	8	-	-	4	0	2-3	-	0	•
	Portland Bill ...	19·5	-4	WSW	3	bc	61	75	56	8	2	-	-	4-6	4-6	4000	1	4
	Plymouth ...	19·5	+4	SW	2	b-bc	60	85	45	8	1	-	-	2-3	2-3	2500	0	2
	The Lizard ...	19·5	-6	WSW	2	b-bc	60	75	52	8	1	-	-	2-3	2-3	3500	0	3
	Scilly (St. Mary's)	18·8	-10	SSE	2	bc	59	75	52	8	8	4	-	2-3	4-6	1800	0	2
	Guernsey ...																	
6	Pembroke ...	19·7	0	S	1	b-bc	59	75	51	8	1	4	-	1	2-3	3000	0	2
7	Holyhead (Valley)	19·5	+2	SW	1	b	58	75	48	8	4	-	5	Tr	1	3500	0	1
	Chester (Sealand)	18·7	+2	NW'W	2	bc	60	75	50	8	2	-	2	2-3	4-6	2500	0	•
8	Manchester ...	18·8	+4	NW'N	2	b	59	75	50	6	4	-	3	Tr	1	4000	0	•
10	Spurn Head ...	19·0	+6	E	3	2o	59	85	54	6	7	3	-	2-3	4-6	4000	0	2
	Catterick (Sc) ...	18·7	+10	WSW	1	bc	61	75	51	8	1	-	6	2-3	4-6	2500	0	•
	Tynemouth ...	20·0	+10	S	2	c-bc	55	85	51	7	2	4	-	7-8	7-8	2400	0	2
11	St. Abbs Head	17·5	+6	SE	2	c	56	75	48	8	5	-	-	9+	9+	3000	0	3
	Leuchars ...	18·1	+6	WNW	2	c	59	65	48	8	-	7	9	0	9+	-	0	•
12	Renfrew (Abbots I.)	17·5	+6	S'E	1	c	58	65	44	9	1	5	8	1	9	2000	1	•
	Eskdalemuir ...	18·6	+10	-	0	bc	55	75	48	8	7	-	-	1	4-6	2800	1	•
	Point of Ayre ...	18·8	0	-	0	bc	58	65	47	8	4	4	2	Tr	4-6	3000	0	3
13A	Tiree ...	16·0	-2	S'E	4	c	57	85	52	7	5	-	-	10	10	4000	1	3
13B	Stornoway ...	15·2	+2	SSW	4	c	56	85	51	8	7	7	-	7-8	10	4500	1	*
15	Dalwhinnie ...	17·0	+4	SW	2	0	52	75	46	8	5	-	-	10	10	2500	0	•
	Aberdeen ...	18·5	+8	SSE	2	c	57	75	50	7	5	4	7	1	9+	2500	1	1
	Wick ...	17·4	+8	S	2	ro	55	85	51	9	5	2	-	9	10	3000	0	•
16	Sumburgh ...	17·5	+12	SW	1	bc	54	85	51	9	5	-	2	4-6	4-6	5000	0	1
17	Blacksod Point	13·9	-8	S'W	4	c/d	55	85	51	7	6	-	-	9+	9+	1500	1	3
18	Malin Head ...	15·4	0	SSE	3	c	57	75	49	8	8	-	-	10	10	1500	2	2
	Aldergrove ...	17·7	-2	SSE	2	c	56	75	50	9	5	7	-	7-8	10	4000	1	•
19	Birr Castle ...	16·1	-6	SW	2	c	58	75	50	8	5	1	-	7-8	9+	2500	1	•
20	Valentia Obsy.	14·8	-14	S	4	c	58	75	50	9	8	-	-	9+	9+	5700	1	3
	Roches Point	17·0	-14	S'W	3	c	59	85	55	8	5	-	-	9	9	1500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 8th (39)	Weather. 13h.–18h. 8th (40)	Weather. 18h. 8th to 1h. 9th (41)	Weather. 1h.–7h. 9th (42)
1	London (Kew)	cm.cy	cy	cybcbw	bbcfw
	Croydon ...	bcbcy	bcycy	cybc2bmwbmwbcmw	
	S. Farnborough	bbcbcy	cy bcy	bcybcbm.	bm.bcm
	Boscombe Down	bbcbc	bccbc	bbw	bwbbcm.
	Thorney Island	bcc	c	bfgb	bwbcfgcw
	Lympne ...	cbc	cyc	bw	bwbcw
	Manston ...	bbc	bcc	cbw	bbcwm.
2	Shoeburyness ...	bcm.	bc2.cy	bc	bcw
	Felixstowe ...	bmbc	c	bm.	bm.bbc
	Gorleston ...	bcc	bc	bwbc	cwbc
	Mildenhall ...	bccy	cybcy	bcbm.	bmbf bm.
	Cranwell ...	bc	cbc	bcb m.bm	bffc
3	Birmingham ...	cbzc	cbc	bcbm	bf
	Upper Heyford	bbcc	cybcy	bcyb	bm.
4	Ross-on-Wye	bcc	bcy cc	cb	bmfwf
5	Hartland Point	cbcv	bcb	bcb	bbc
	Bristol ...	bm.bc	bcy	bbmwbmwbmwbmwbmwfg	
	Portland Bill ...	cbc	bc	b	bcc
	Plymouth ...	bcb	bbv	bbw	bwm.omof
	The Lizard ...	bc	bc	bcbw	bccw
	Scilly (St. Mary's)	bc	bc	bccbc	bcc
	Guernsey ...				
6	Pembroke ...	bc	bc	bbc	bcw
7	Holyhead (Valley)	bc	bcb	bw	bw
	Chester (Sealand)	bc,c,bc	bccy	bcm.b	bcmbf
8	Manchester ...	bccm.c	bcybc	bm.ff	bm.mw
10	Spurn Head ...	c2o	bcm.	bm.	bcm.
	Catterick (Sc) ...	bcc	bc	b	cm.ofe
	Tynemouth ...	bcm.bc	bc	cbcm.	bm
11	St. Abbs Head	bc	bcc	bcc	cbc
	Leuchars ...	bcvy	bcvy cbc	cm.bcm.wbcm.owcm.	
12	Renfrew (Abbots I.)	bcm.bc	bcy bcyc	cm.bcm.	b cm., fg, m
	Eskdalemuir ...	bcc	cbc	cbc	bc
	Point of Ayre ...	bccb	bbc	b	bw
13A	Tiree ...	cbcc pr.	c	c	c
13B	Stornoway ...	cpr. cir.	cir.cr.r.cir.	bcc	c
15	Dalwhinnie ...	c	co		bc
	Aberdeen ...	cbcc	c	cbcwm.	bcwm.
	Wick ...	cbc pr.c	cid.cr.r.	ro.id.cbc	bcbbc
16	Sumburgh ...	bcw	bc	bccbc	becw
17	Blacksod Point	pr	d	bc	c
18	Malin Head ...	bc	r	c	c
	Aldergrove ...	cbcc	c	c	cbcbc
19	Birr Castle ...	c	c		c
20	Valentia Obsy.	pr	c	bc	pr
	Roches Point	bc	c	c	c

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

Districts	Forecast
1 S.E. England	Moderate easterly winds; fair at first, occasional thundery rain later; rather cool.
2 E. England ..	
3 E. Midlands ...	Moderate southeast to east wind; fair with some bright periods, but dull night and early morning; rather cool.
4 W. Midlands	
5 S.W. England	Moderate to fresh southeast to east winds, strong locally on coasts; fair at first, occasional thundery rain later; rather cool.
6 South Wales	
7 North Wales	
8 N.W. England	Moderate south to southeast winds; fair with considerable bright periods; rather cool.
9 N. Midlands ...	
10 N.E. England	As 2-3
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	As 8
13A W. Scotland ...	
13B N.W. Scotland	
14 Mid Scotland	
15 N.E. Scotland ..	As 4-7
16 Orkneys and Shetlands	As 4-7
17 N. W. Ireland	As 8
18 N. E. Ireland	
19 S. E. Ireland	As 4-7
20 S. W. Ireland	

GENERAL INFERENCE

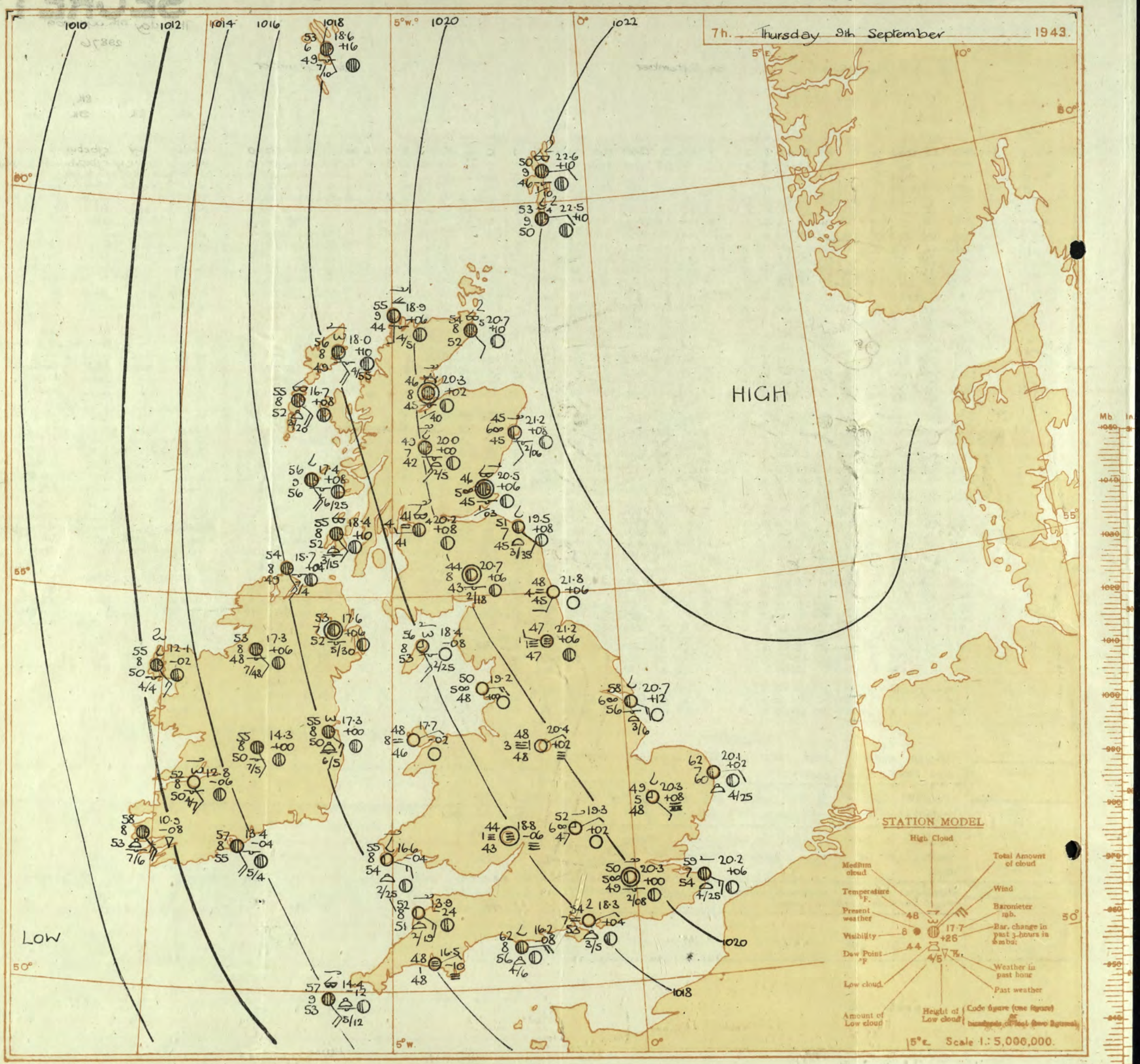
A depression centred some 400 miles off Southwest Ireland is moving East. Weather will be generally fair at first, but thundery rain will spread to southern districts of England and Ireland and to Wales; it will be generally rather cool.

FURTHER OUTLOOK

Fair in north, unsettled in south.

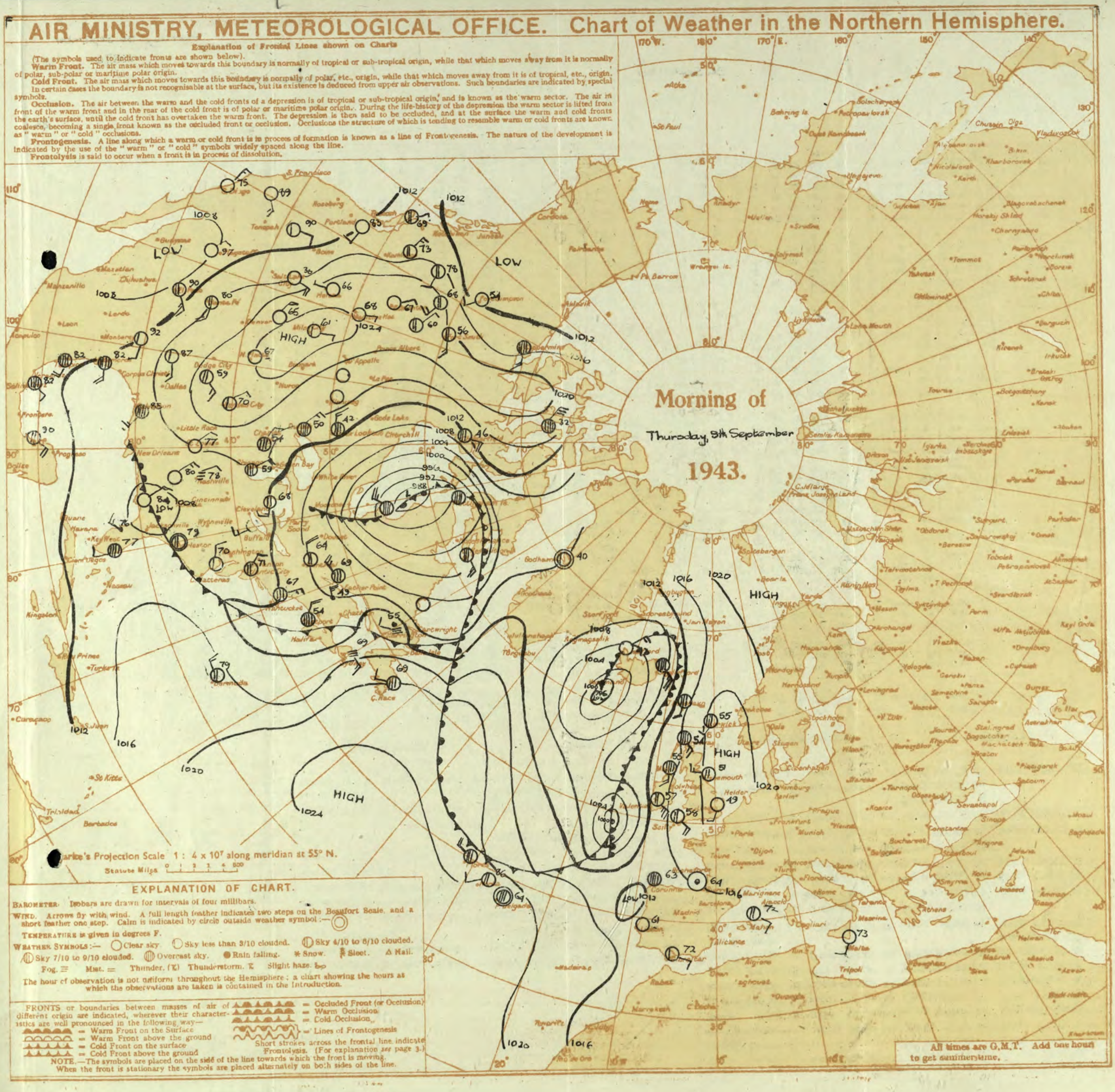
Forecasts issued at 10-30

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.

Page 4.

BRITISH SECTION

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

Thursday 9th September 1943

No. 29876

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	•	•	•	•	•	51	•	•	•	•	•	•	•	•	•
	Croydon	290	20·7	-2	SSW	1	Zo	49	92	47	6	–	–	–	0	0	–
	S. Farnborough	226	19·7	-6	–	0	Zo	47	92	45	5	–	–	–	0	0	–
	Boscombe Down	417	19·4	-8	NE'N	1	b	52	75	46	8	–	–	–	0	0	–
	Thorney Island	10	18·9	-8	–	0	b	47	97	46	7	–	–	–	0	0	–
	Lympne	283	20·0	-6	–	0	b	52	92	50	8	–	–	–	0	0	–
	Manston	154	19·9	-4	ENE	2	Zo	55	92	53	6	–	–	–	0	0	–
2	Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Felixstowe	12	20·2	0	N	1	Zo	55	97	54	6	–	–	–	0	0	–
	Gorleston	5	20·1	+2	E'N	2	b	61	92	58	7	4	–	–	1	1	2500
	Mildenhall	15	19·9	+2	SE	1	Zo	49	92	49	5	–	–	–	0	0	–
	Cranwell	203	20·4	+2	E'S	1	m	51	97	50	4	–	–	–	0	0	–
3	Birmingham	536	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Upper Heyford	408	19·7	0	–	0	Zo	52	85	47	6	–	–	–	0	0	–
4	Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5	Hartland Point	299	18·2	-6	ESE	3	b	53	92	50	8	–	–	–	0	0	–
	Bristol	209	20·0	-4	–	0	Zo	44	85	41	6	–	–	–	0	0	–
	Portland Bill	32	18·5	-10	W	3	b	59	85	53	8	–	–	–	0	0	–
	Plymouth	86	18·9	-10	ENE	1	Zo	48	97	48	6	–	–	–	0	0	–
	The Lizard	240	18·6	-12	–	0	b	53	97	52	7	–	–	–	0	0	–
	Scilly (St. Mary's)	163	17·6	-14	SSE	4	bc	58	85	53	8	5	–	–	4-6	4-6	1200
	Guernsey	175															
6	Pembroke	142	18·8	-6	ENE	2	bc	58	97	57	8	7	4	–	4-6	4-6	2500
7	Holyhead (Valley)	32	19·2	-4	ESE	1	b	45	92	44	8	–	4	–	0	Tr	–
	Chester (Sealand)	16	19·8	-2	–	0	m	44	92	43	4	–	–	–	0	0	–
8	Manchester	230	20·0	-2	ENE	2	m/f	45	97	44	4	–	–	–	0	0	–
10	Spurn Head	29	21·0	+4	SE	2	b	57	97	56	6	–	–	–	0	0	–
	Catterick (Sc)	192	20·1	+26	–	0	b-bc	43	92	43	7	–	4	–	0	2-3	–
	Tynemouth	108	20·9	0	W	3	Zo	51	92	48	6	–	4	–	0	2-3	–
11	St. Abbs Head	280	19·0	+2	SW	3	c	52	85	46	7	5	–	–	9	9	4000
	Leuchars	36	19·8	+2	–	0	bc	49	92	46	6	–	7	–	0	4-6	–
12	Renfrew (Abbots L.)	19	19·4	+4	–	0	Zo	47	92	45	6	–	7	–	0	4-6	–
	Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Point of Ayre	30	20·0	+8	SW	2	b	54	92	52	8	5	–	–	Tr	Tr	3000
13A	Tiree	44	17·0	-2	SSE	4	c	56	92	54	8	5	7	–	4-6	10	3000
13B	Stornoway	12	16·8	+2	SSE	4	c	55	85	50	8	5	–	7	9	10	4500
15	Dalwhinnie	1176	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Aberdeen †	79	20·3	+6	SSW	1	bc	49	92	46	8	–	5	6	0	4-6	–
	Wick	114	19·7	+6	S	2	b-bc	53	92	51	8	5	7	–	Tr	2-3	2500
16	Sumburgh	19	20·8	+10	S	1	b-bc	51	97	50	8	–	4	5	0	2-3	–
17	Blacksod Point	18	13·2	-4	SSE	4	cbc	56	85	52	7	8	–	–	7-8	7-8	1500
18	Malin Head	84	15·9	0	S	2	c	55	85	51	8	5	–	–	10	10	1500
	Aldergrove	268	18·2	-2	S	1	c	55	92	54	8	5	–	–	10	10	3800
19	Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20	Valentia Obsy.	30	13·0	-18	SE'S	5	bc	57	85	53	8	5	–	–	4-6	4-6	4000
	Roches Point	22	16·5	-10	S	4	c	58	92	56	8	5	–	–	9+	9+	1500

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

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)
1	London (Kew)	19·5	+6	E'N	2	b-bcf-	54	97	53	3	–	–	1	0	2-3	–
	Croydon	20·3	0	–	0	Zo	50	97	49	5	5	–	2	1	2-3	800
	S. Farnborough	19·3	+6	–	0	m	47	92	45	4	–	7	4	0	2-3	–
	Boscombe Down	18·6	-2	E'N	2	Zo	50	85	44	6	–	–	2	0	4-6	–
	Thorney Island	18·3	+4	E'N	1	fg	54	97	53	7	2	–	6	2-3	7-8	2500
	Lympne	20·0	+2	E	2	bc	57	92	55	7	5	–	4	2-3	4-6	1000
	Manston	20·2	+6	ESE	3	cbc	59	85	54	7	1	–	5	4-6	7-8	2500
2	Shoeburyness	20·1	+2	SE	3	b-bc	60	85	57	7	1	–	1	2-3	2-3	4000
	Felixstowe	20·3	+4	E	3	bc	61	75	54	8	1	–	–	4-6	4-6	4000
	Gorleston	20·1	+2	E	2	bc	62	92	60	7	2	–	–	4-6	4-6	2500
	Mildenhall	20·3	+8	SE	1	b/f	49	97	48	5	–	4	–	0	Tr	–
	Cranwell	20·5	+6	–	0	f-	51	97	50	3	5	–	–	10	10	400
3	Birmingham	19·3	-2	NE	2	bf	51	85	46	2	–	–	–	0	0	–
	Upper Heyford	19·3	+2	ENE	1	Zo	52	85	47	6	–	–	1	0	Tr	–
4	Ross-on-Wye	18·8	-6	–	0	F	44	97	43	1	–	–	–	10	10	<150
5	Hartland Point	13·9	-24	ESE	3	b-bc	52	97	51	8	2	–	2	1	2-3	1900
	Bristol	18·6	-4	–	0	Zo	45	97	45	6	–	–	2	0	2-3	–
	Portland Bill	16·2	-8	E	4	cbc	62	85	56	8	2	4	–	4-6	7-8	4000
	Plymouth	16·5	-10	NE	1	F+	48	97	48	1	–	–	–	10	10	<150
	The Lizard	15·4	-10	E	4	cbc	57	85	53	8	8	6	–	7-8	7-8	2500
	Scilly (St. Mary's)	14·4	-12	SE'S	4	c	57	85	53	9	8	7	3	7-8	9+	1200
	Guernsey															
6	Pembroke	16·6	-4	E'S	3	b-bc	55	97	54	8	2	4	1	1	2-3	2500
7	Holyhead (Valley)	17·7	-2	ENE	1	fs	48	92	46	8	–	–	–	0	0	–
	Chester (Sealand)	18·9	-4	–	0	bF+	43	92	42	1	–	–	–	0	0	–
8	Manchester	19·2	-2	NE'E	2	m	47	97	46	4	–	–	–	0	0	–
10	Spurn Head	20·7	+12	E'S	3	Zo	58	92	56	6	7	4	–	2-3	4-6	4000
	Catterick (Sc)	21·2	+6	WNW	1	F+	47	97	47	1	–	–	–	10	10	<150
	Tynemouth	21·8	+6	SSW	2	m	48	92	45	4	–	–	–	0	0	–
11	St. Abbs Head	19·5	+8	SE	2	bc	51	85	45	7	1	4	–	2-3	4-6	3500
	Leuchars	20·5	+6	–	0	Zo	46	92	45	5	5	7	8	Tr	9	300
12	Renfrew (Abbots L.)	20·2	+8	W	1	m	41	97	41	4	–	7	2	0	7-8	–
	Eskdalemuir	20·7	+6	–	0	bc	44	92	43	8	5	3	–	1	4-6	1800
	Point of Ayre	18·4	-8	SSE	3	b	56	92	53	8	5	3	5	1	1	2500
13A	Tiree	17·4	+8	SSE	4	c	56	97	56	9	5	4	–	9	9+	2500
13B	Stornoway	18·0	+10	SSE	4	c	56	75	49	8	5	3	5	4-6	9	5500
15	Dalwhinnie	20·0	0	SSE	3	c	49	75	42	7	7	4	2	1	9+	2500
	Aberdeen †	21·2	+8	SSE	2	Zo	45	97	45	6	5	–	2	1	4-6	600
	Wick	20·7	+10	SE	2	c	54	92	52	8	–	7	6	0	9+	–
16	Sumburgh	22·5	+10	E	2	c	53	92	50	9	–	9	6	0	9	–
17	Blacksod Point	12·1	-2	SE'S	3	c	55	85	50	8	5	4	9	4-6	9+	1500
18	Malin Head	15·7	+4	SSE	3	c	54	85	49	8	5	–	–	9+	9+	1500
	Aldergrove	17·6	+6	–	0	cbc	53	92	52	7	5	–	–	7-8	7-8	3000
19	Birr Castle	14·3	0	SSE	2	c	55	85	50	8	5	–	–	9+	9+	2500
20	Valentia Obsy.	10·9	-8	SE'S	5	c/pr	58	85	53	8	8	–	–	9+	9+	4000
	Roches Point	13·4	-4	SSE	4	cbc	57	92	55	8	5	–	–	7-8	7-8	1500

PAST 24 HOURS.

District	Stations	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 8th Hrs. (38)
1	London (Kew)	0	•	68	47	34	–	Tr	5·9
	Croydon	0	•	71	47	46	–	–	6·8
	S. Farnborough	0	•	71	39	31	–	Tr	8·7
	Boscombe Down	0	•	69	45	40	–	–	12·0
	Thorney Island	1	•	71	44	39	–	–	•
	Lympne	0	§3	72	50	*	–	–	7·9
	Manston	0	•	68	53	43	–	–	8·8
2	Shoeburyness	0	•	71	49	40	–	–	7·7
	Felixstowe	0	2	71	54	56	–	–	[illegible]
	Gorleston	0	3	67	59	55	–	–	7·0
	Mildenhall	0	•	71	45	39	–	Tr	8·6
	Cranwell	1	•	69	47	40	–	–	8·2
3	Birmingham	1	•	67	48	32	–	–	8·8
	Upper Heyford	0	•	67	48	40	–	–	•
4	Ross-on-Wye	0	•	68	43	38	–	–	7·0
5	Hartland Point	0	3	62	49	47	–	–	11·2
	Bristol	0	•	67	42	34	–	–	11·4
	Portland Bill	1	4	62	55	•	–	–	•
	Plymouth	0	1	62	48	39	–	–	11·0
	The Lizard	0	3	65	53	•	–	–	11·3
	Scilly (St. Mary's)	0	3	66	55	•	–	–	1·1
	Guernsey								
6	Pembroke	0	2	62	50	•	Tr	–	11·2
7	Holyhead (Valley)	0	1	62	43	40	–	–	•
	Chester (Sealand)	0	•	66	43	34	–	–	10·6
8	Manchester	0	•	66	43	38	–	–	•
10	Spurn Head	0	3	70	57	•	–	–	7·8
	Catterick (Sc)	0	•	67	41	38	–	–	7·1
	Tynemouth	0	2	61	47	45	–	–	•
11	St. Abbs Head	0	2	61	48	•	–	–	•
	Leuchars	0	•	65	44	39	–	–	9·4
12	Renfrew (Abbots L.)	0	•	63	40	33	–	–	6·9
	Eskdalemuir	1	•	61	37	28	–	–	3·8
	Point of Ayre	0	2	62	46	•	–	–	9·6
13A	Tiree	1	3	60	55	54	Tr	–	3·6
13B	Stornoway	0	2	59	54	50	0·4	–	0·4
15	Dalwhinnie	0	•	54	41	33	–	–	1·8
	Aberdeen †	1	1	61	42	39	–	–	6·1
	Wick	0	•	62	52	47	Tr	Tr	•
16	Sumburgh	0	1	58	51	41	–	–	10·2
17	Blacksod Point	1	3	61	53	•	0·3	0·2	•
18	Malin Head	1	2	59	52		0·1	–	3·3
	Aldergrove	1	•	60	50	45	0·2	–	2·4
19	Birr Castle	1	•	62	53	52	–	–	2·5
20	Valentia Obsy.	1	3	62	56	52	Tr	Tr	3·9
	Roches Point	1	4	62	57		–	–	•

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 8th September $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 9th September $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
100	13	02954	17225	77	02954	16226	5-	01754	14114	57	02644	12227
115				52	51835	20368	54	02854	16255	52	02954	16125
203				8-	02848	16368						
206	83	02965	24217	57	21956	18458	57	02852	00016	36	02861	00017
210	27	02853	17468	57	02966	10227	57	01862	16214	07	02890	10225
219				87	02854	16487	57	02865	14428	27	02853	13427
230	87	25956	16188	73	02964	00026	53	01963	00023	54	02861	00015
245	80	01963	14314	53	01863	14216	54	01763	22114	50	01762	00014
260	8-	05654	20325	83	02754	14125	04	05690	24224	57	05653	24214
278				57	02865	17326	53	01853	14214	54	02854	00026
279	23	10853	20314	24	01861	22314	40	01763	08113	53	02764	08327
285	20	01854	26414							13	01852	28213
288	26	02754	22125	80	05654	03114	04	05690	21113	--	46103	00049
575	57	02855	15228	57	02865	18228	51	02864	14227	5-	02867	13227
301	10	01954	26284	86	01872	28114	00	05590	08110	00	05590	08300
331	7-	05666	26126	46	05665	28127	00	45190	00040	--	46009	00049
299	80	01754	02214	44	01753	06214	40	01753	14213	50	01744	10114
302	26	02865	00016	44	02962	26226	00	00790	00010	--	48109	00049
310	--	01634	24214	--	01644	24214				--	46108	32349
614	26	02764	28215	20	05663	28115	00	08490	32100	--	44109	04249
388	20	02864	24125	10	01961	22112	04	01890	00001	07	01892	00002
334	--	01754	26315	--	01762	26213				--	04345	00016
340	23	01963	24215	4-	01963	28114	00	08490	00000	00	41490	14140
136	86	02764	25315				00	47109	12219	00	05590	08240
336	10	01764	24314	10	01762	24312				--	46209	28249
350	24	02854	23206	43	01761	00023	00	05590	00000	5-	05526	06206
368	80	01863	24214	40	01962	26213				54	01661	08314
379	20	02855	24216	13	02851	24125	00	00790	00010	00	05690	06202
390	20	02796	30227	26	01762	26213	00	05690	00000	--	46009	00040
332	20	02854	29216	20	02861	00025	00	05090	00000	00	08490	0C043
438	24	01752	22418	54	02763	22215				84	01753	08314
430	10	01854	22214	10	02863	22325	00	05690	04100	50	04753	04115
409	24	01953	26313	86	01964	30114	00	00890	00010	47	01853	06245

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 9th September. 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	cmocy	cy	cybcfw
Croydon	bcbcy	bcycy	cybcmow
Greenwich	cbcy	bc ⊕ cy	cbwfbc
Camden Square	c	c	•
Kensington	bc	cbc	•
Hampstead	bc	bc	bcm

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ending 7h. Max. 0·3, Time 9h; Min. <0·1, Time 11–13h 8th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	68	47	34	–	Tr	5·9	•	•
Croydon	71	47	46	–	–	6·8	•	•
Greenwich	71	47	33	–	–	6·8	41	70
Westminster	70	52	44	–			60	81
Regents Park	70	49	40	–	–		43	75
Camden Square	70	49	40	–	–	•	•	79
Kensington	71	49	39	–	–		67	75
Hampstead	69	50	45	–	–		•	80

SECRET

Page 1 **BRITISH SECTION**

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

Friday 10th September 1943

No. 29877

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	16.6	-18	E'N	4	c-bc	65	45	48	8	8	3	6	2-3	7-8	4000
	Croydon	17.6	-14	E'S	3	c-bc	68	65	53	8	2	6	2	4-6	7-8	3000
	S. Farnborough	15.8	-20	E'S	4	c-bc	71	45	59	7	2	-	6	4-6	7-8	3500
	Boscombe Down	15.5	-20	ESE	4	c-bc	69	55	51	7	1	-	8	4-6	7-8	2500
	Thorney Island	15.7	-16	E	4	c	69	55	50	8	1	3	2	2-3	9	2500
	Lympne	17.2	-14	ENE	4	c-bc	66	55	50	8	-	-	3	0	7-8	-
	Manston	17.8	-14	ENE	5	c	64	55	50	8	1	7	7	Tr	10	1500
2	Shoeburyness	18.8	-10	E	5	c	64	75	54	7	1	4	2	2-3	9	2500
	Felixstowe	19.0	-14	ESE	4	c-bc	66	65	54	8	1	-	6	4-6	7-8	4000
	Gorleston	19.4	-10	E	3	bc	63	85	57	7	2	-	-	4-6	4-6	2000
	Mildenhall	18.3	-14	E	4	c-bc	69	55	51	8	1	-	2	7-8	7-8	5700
	Cranwell	18.8	-14	ESE	3	c-bc	67	55	50	8	1	-	2	4-6	7-8	3000
3	Birmingham	17.3	-10	E	4	c-bc	67	55	52	8	8	-	2	7-8	7-8	2500
	Upper Heyford	16.9	-18	E'S	4	c	66	65	51	8	2	-	6	4-6	9+	2500
4	Ross-on-Wye	15.6	-20	E'S	4	bc	68	55	50	8	1	-	1	2-3	4-6	4000
5	Hartland Point	13.0	-16	E	3	bc	64	65	53	8	2	4	-	2-3	4-6	2500
	Bristol	15.6	-18	ESE	3	c-bc	65	55	48	7	1	4	8	4-6	7-8	2000
	Portland Bill	13.9	-20	E	5	c	63	85	58	8	4	7	-	7-8	10	4000
	Plymouth	13.2	-14	SEE	4	c	64	75	55	8	1	7	8	2-3	9	2500
	The Lizard	11.5	-20	E	4	c	61	85	58	8	5	2	-	7-8	9+	2000
	Scilly (St. Mary's)	11.2	-16	E'S	5	c	63	85	58	8	5	7	-	4-6	9+	1200
	Guernsey															
6	Pembroke	14.2	-20	SE	5	bc	63	75	54	8	2	7	1	2-3	4-6	2500
7	Holyhead (Valley)	15.9	-16	ESE	3	c-bc	69	55	51	8	2	4	6	2-3	7-8	3000
	Chester (Sealand)	16.8	-20	ESE	3	zo	68	55	52	6	2	-	6	Tr	9	2500
8	Manchester	18.0	-12	ESE	4	zo	65	65	51	6	2	6	5	2-3	4-6	3000
10	Spurn Head	20.6	-8	E	4	bc	63	75	56	8	1	4	-	2-3	4-6	4000
	Catterick (Sc)	20.6	-14	-	0	c-bc	65	75	56	7	5	-	-	7-8	7-8	2500
	Tynemouth	22.7	0	SE	3	b-bc	58	85	53	7	2	-	-	2-3	2-3	2100
11	St. Abbs Head	21.0	0	ESE	3	b	57	85	53	7	5	-	-	Tr	Tr	5000
	Leuchars	21.4	-2	E	4	b	62	65	49	8	1	3	1	Tr	1	3000
12	Renfrew (Abbots I.)	19.0	-10	ENE	3	zo	66	65	53	6	8	-	-	7-8	7-8	2000
	Eskdalemuir	19.1	-8	E'S	2	c-bc	62	65	52	8	8	-	-	7-8	7-8	2500
	Point of Ayre	17.1	-18	SE	3	b	65	75	58	8	-	-	-	0	0	-
13A	Tiree	18.3	0	SE	5	b	60	75	53	8	-	-	2	0	1	-
13B	Stornoway	15.6	+4	SE	3	b-bc	61	65	49	8	1	4	2	Tr	2-3	4000
15	Dalwhinnie	20.0	+8	SSE	2	bc	62	55	45	7	1	4	9	Tr	4-6	4000
	Aberdeen	23.0	+6	SSE	3	c	58	85	54	8	8	-	2	9	9+	2500
	Wick	22.4	+6	ESE	4	b	58	85	53	8	1	-	1	Tr	1	1000
16	Sumburgh	24.9	+8	ESE	3	bc	58	85	52	9	1	-	5	Tr	4-6	1500
17	Blacksod Point	12.2	-2	SE	4	bc	63	75	56	8	8	4	6	4-6	4-6	2500
18	Malin Head	15.6	-6	SE'S	3	c-bc	63	65	50	8	8	-	7	7-8	7-8	1500
	Aldergrove	16.4	-14	SE'S	3	zo	65	65	53	6	2	6	-	2-3	4-6	2500
19	Birr Castle	13.2	-14	SE	3	c-bc	65	55	50	8	4	-	-	7-8	7-8	2500
20	Valentia Obsy.	10.3	-4	SE	5	c	64	65	51	9	8	-	3	9	9	2500
	Roches Point	12.4	-6	SSE	5	c-bc	60	85	55	8	2	3	-	2-3	7-8	1500

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

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)	13.4	-16	ENE	4	c	63	65	50	7	5	7	-	9+	10	2500	0	•
Croydon	14.4	-14	E'N	4	c	62	85	56	6	5	2	-	4-6	10	1800	0	•
S. Farnborough	12.7	-14	ENE	3	iro	63	65	50	7	-	2	-	10	10	5000	0	•
Boscombe Down	12.8	-14	E'N	3	iro	62	65	55	7	5	2	-	4-6	10	2000	0	•
Thorney Island	12.9	-16	E	3	RR	61	85	57	5	6	2	-	7-8	10	1500	1	•
Lympne	13.5	-16	N'E	5	zo	63	75	54	6	-	2	-	0	10	-	0	§ 5
Manston	13.9	-22	ENE	5	c	63	75	55	8	-	7	-	0	10	-	0	•
Shoeburyness	15.5	-14	NE	6	c	63	75	56	7	5	7	-	Tr	10	4000	0	•
Felixstowe	16.3	-22	NEE	6	c	63	75	56	7	5	2	2	2-3	9+	2500	0	3
Gorleston	17.7	-14	ENE	4	bc	63	85	58	7	-	7	8	0	4-6	-	0	4
Mildenhall	16.1	-10	E	4	bc	63	65	51	8	2	8	6	Tr	4-6	4000	0	•
Cranwell	16.8	-10	E	4	bc	60	85	55	8	4	-	-	4-6	4-6	2000	0	•
Birmingham	14.2	-10	E	3	c	65	59	50	7	5	-	9	4-6	9	4000	1	•
Upper Heyford	14.3	-10	E	4	c	64	55	56	8	4	5	6	1	9	4500	0	•
Ross-on-Wye	12.8	-14	E	3	c	65	55	48	8	4	7	8	Tr	9+	4000	0	•
Hartland Point	09.8	-16	ENE	4	e/r	63	65	53	8	5	2	-	4-6	9+	2000	0	3
Bristol	12.1	-18	E	3	c	64	65	51	8	5	2	-	2-3	10	4000	0	•
Portland Bill	10.7	-12	E	5	rr	60	92	58	7	5	-	-	10	10	2500	1	5
Plymouth	10.3	-10	SE	4	rr	55	97	55	6	6	2	-	1	10	1200	1	3
The Lizard	09.4	-6	E	5	roro	56	97	55	6	5	-	-	10	10	1000	1	4
Scilly (St. Mary's)	09.0	-8	E'S	4	ido	59	97	58	7	8	7	-	7-8	10	1000	1	4
Guernsey																	
Pembroke	11.4	-10	ESE	4	c-bc	63	85	57	8	7	3	-	4-6	7-8	2500	0	2
Holyhead (Valley)	13.8	-12	ENE	3	c-bc	64	65	53	7	2	6	1	4-6	7-8	3000	1	2
Chester (Sealand)	14.8	-14	E	3	zo	65	55	50	6	5	3	-	2-3	4-6	3000	0	•
Manchester	17.4	+4	E	4	b	62	65	49	8	4	-	2	Tr	1	3000	0	•
Spurn Head	18.6	-12	E	5	bc	59	85	54	7	7	4	4	2-3	4-6	4000	0	3
Catterick (Sc)	19.5	0	E	2	bc	59	75	51	8	1	3	4	Tr	4-6	3000	0	•
Tynemouth	21.5	-4	ESE	3	bc	56	92	53	8	2	4	2	2-3	4-6	2800	0	3
St. Abbs Head	20.2	-4	ESE	4	bc	55	92	53	8	5	4	-	4-6	4-6	3500	0	3
Leuchars	21.1	+8	ESE	3	bc	57	85	54	8	5	-	8	2-3	4-6	1500	0	•
Renfrew (Abbots I.)	17.9	-2	ENE	4	zo	63	75	56	6	2	-	-	1	1	2500	0	•
Eskdalemuir	19.0	+4	ENE	3	c	57	75	49	8	5	4	1	Tr	9	2800	1	•
Point of Ayre	15.8	-6	SE	4	b	62	85	56	8	-	-	8	0	1	-	0	•4
Tiree	17.2	-2	ESE	3	zo	61	85	56	6	-	4	-	0	Tr	-	0	3
Stornoway	13.0	-2	NE	3	b	57	85	53	8	-	-	1	0	1	-	0	1
Dalwhinnie	19.5	0	SSE	3	b-bc	55	75	46	7	8	4	-	1	2-3	2500	0	
Aberdeen	22.8	0	SE	2	zo	55	92	53	6	5	-	2	10	10	800	1	•2
Wick	22.6	+2	ESE	5	b	55	92	52	8	5	-	-	Tr	Tr	2500	0	
Sumburgh	25.2	+4	E	3	b	55	85	52	9	5	-	-	1	1	1500	0	1
Blacksod Point	01.7	-10	SE	1	bc	62	75	54	8	8	4	4	2-3	4-6	4000	1	2
Malin Head	14.4	-6	ESE	4	c-bc	61	75	53	8	8	-	-	7-8	7-8	1500	2	3
Aldergrove	15.3	-6	SE'E	3	zo	60	85	55	5	5	-	-	2-3	2-3	2500	1	•
Birr Castle	11.1	-8	SE	2	c-bc	63	65	52	8	5	-	5	4-6	7-8	2500	1	•
Valentia Obsy.	07.7	-12	E'S	5	c	60	75	52	9	7	4	-	7-8	9	7200	1	3
Roches Point	10.0	-12	SE	5	bc	58	85	54	8	5	3	-	2-3	4-6	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 9th (39)	Weather 13h.—18h. 9th (40)	Weather 18h. 9th to 1h. 10th (41)	Weather 1h.—7h. 10th (42)
London (Kew)	bcfcbcy	bccyc	cror	rcrdod
Croydon	bcmbcc	cbcycmo	errcrododo	cdocidomo
S. Farnborough	bc zdbccy	cypy	iroircZocmo	orforrfcmorc
Boscombe Down	cbcbcy	cycir₀	crorom₀	crocidomo
Thorney Island	bccy	moro	crorocmo	cmroc
Lympne	bccy	c	cRRirom	cm
Manston	c	cbcyc	crrR	omoiro
Shoeburyness	c	c	crrcmo	cmo
Felixstowe	bcc	cbcc	cirorc	crocidc
Gorleston	bc	bc	bccq	orrr
Mildenhall	bmobccy	cybcbc	bcciro	crorom₀
Cranwell	cbc	bc	cmo	cmocrorom₀
Birmingham	Fbbc	c	co	orrf
Upper Heyford	bmobcc	bcycy	orrmocmo	orrf
Ross-on-Wye	Fbmbc	bcycy	ccro	rro
Hartland Point	bccbc	bcciro	crrc	ciroc
Bristol	bmbczoc	cbccy	ccrrmocdomo	vcdorodomo
Portland Bill	oc	orr	orro	prrp
Plymouth	c	cirocro	crorododmo	cmoc
The Lizard	c	opr rr	orrm	cbcc
Scilly (St. Mary's)	c	ciro	cmir	cbcc
Guernsey				
Pembroke	cbc	bcb	croro	ororomo
Holyhead (Valley)	bbcy	cybc	c	ciromo
Chester (Sealand)	bff zoy	czoy	cyzomoo	rororrc
Manchester	bm mozo	bczoy	bcczoc	ciroc
Spurn Head	bc	bc	co	oqiro
Catterick (Sc)	bcmoc	czobc	bc	cmoiromo
Tynemouth	bmobc	bc	cbc	bc
St. Abbs Head	bcmo	bcmobc	bccbc	bccmo
Leuchars	bmob	bcbbc	c	c
Renfrew (Abbots I.)	bcmqm, zo	czobc	bzobzobcwmo	bcwcwmoc
Eskdalemuir	bbcc	bcb	bbcc	c
Point of Ayre	b	b	bbc	bbc
Tiree	b	bbzo	bmo	bbcb
Stornoway	cbc	bcb	b	bw
Dalwhinnie	cbc	bc		bcc
Aberdeen	bcwmoc	cbccmo	czo•	czocw
Wick	bcb	b	cbc	c
Sumburgh	c	bcb	bc	cb
Blacksod Point	bc	bc	bc	c
Malin Head	c	bc	b	bc
Aldergrove	bccbc	bcmbcmo	bm	bmmobc
Birr Castle	c	c	•	r
Valentia Obsy.	c	c	c	r
Roches Point	bc	c	c	r

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

Districts	Forecast
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands	Wind south backing southeast or east light; variable cloud perhaps local thundery rain; fog locally later at night and morning, close.
5 S.W. England 6 South Wales 7 North Wales	Light or moderate south or southeast wind; mainly cloudy, occasional rain; close.
8 N.W. England 9 N. Midlands 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland	Moderate or fresh east wind strong locally at first; dull, light rain; rather cool.
13B N.W. Scotland	Moderate east wind; fair, high cloud; rather warmer.
14 Mid Scotland 15 N.E. Scotland	Moderate east winds; mainly cloudy; rather cool.
16 Orkneys and Shetlands	AS 14-15
17 N.W. Ireland 18 N.E. Ireland	A 8-13 B
19 S.E. Ireland 20 S.W. Ireland	A 5-7

GENERAL INFERENCE

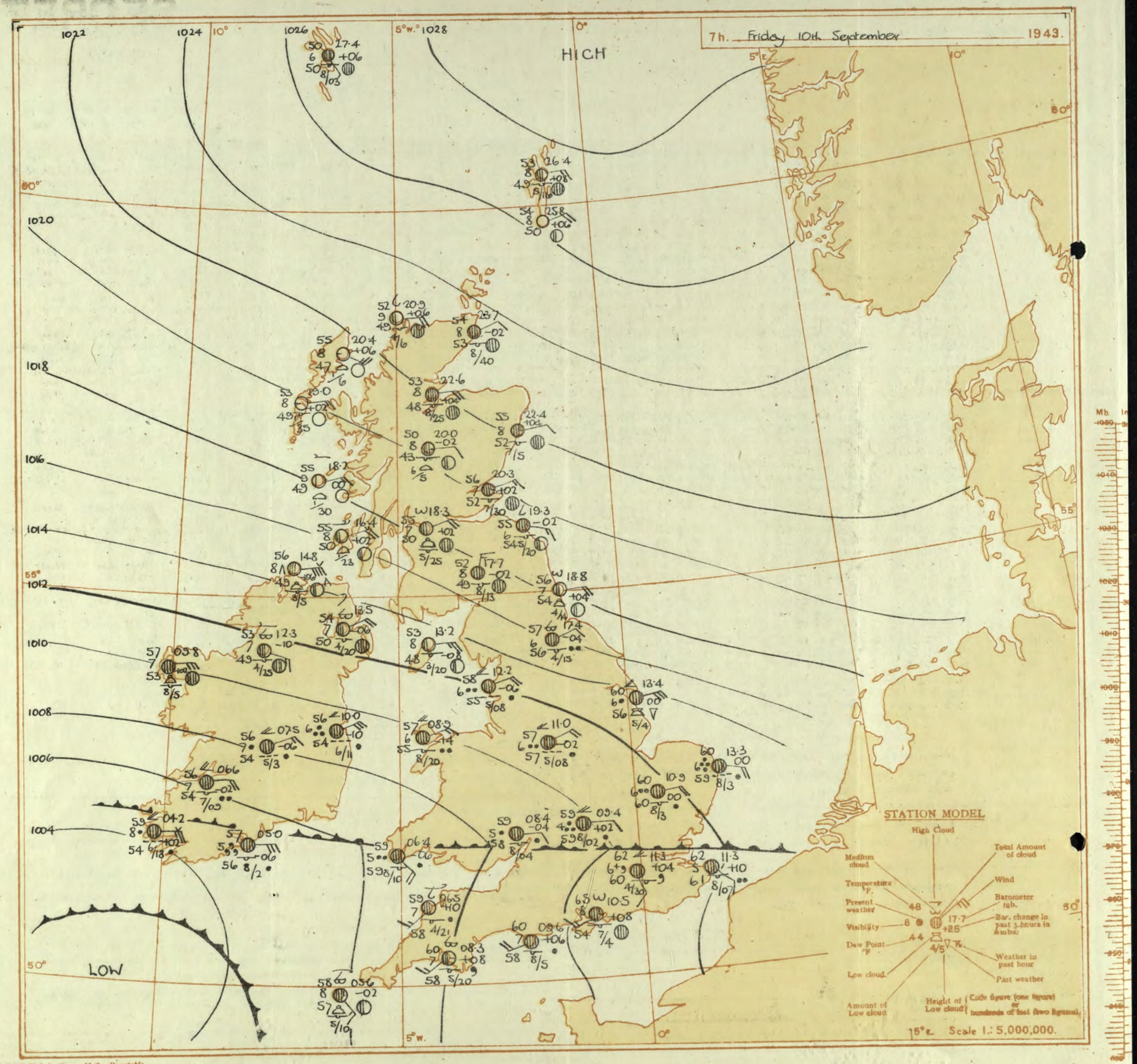
Pressure is high over Scandinavia and low off our southwest coasts; an occlusion about latitude 52 is moving North slowly.

FURTHER OUTLOOK

East winds, with much cloud generally, some breaks in south, local rain especially in South

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.

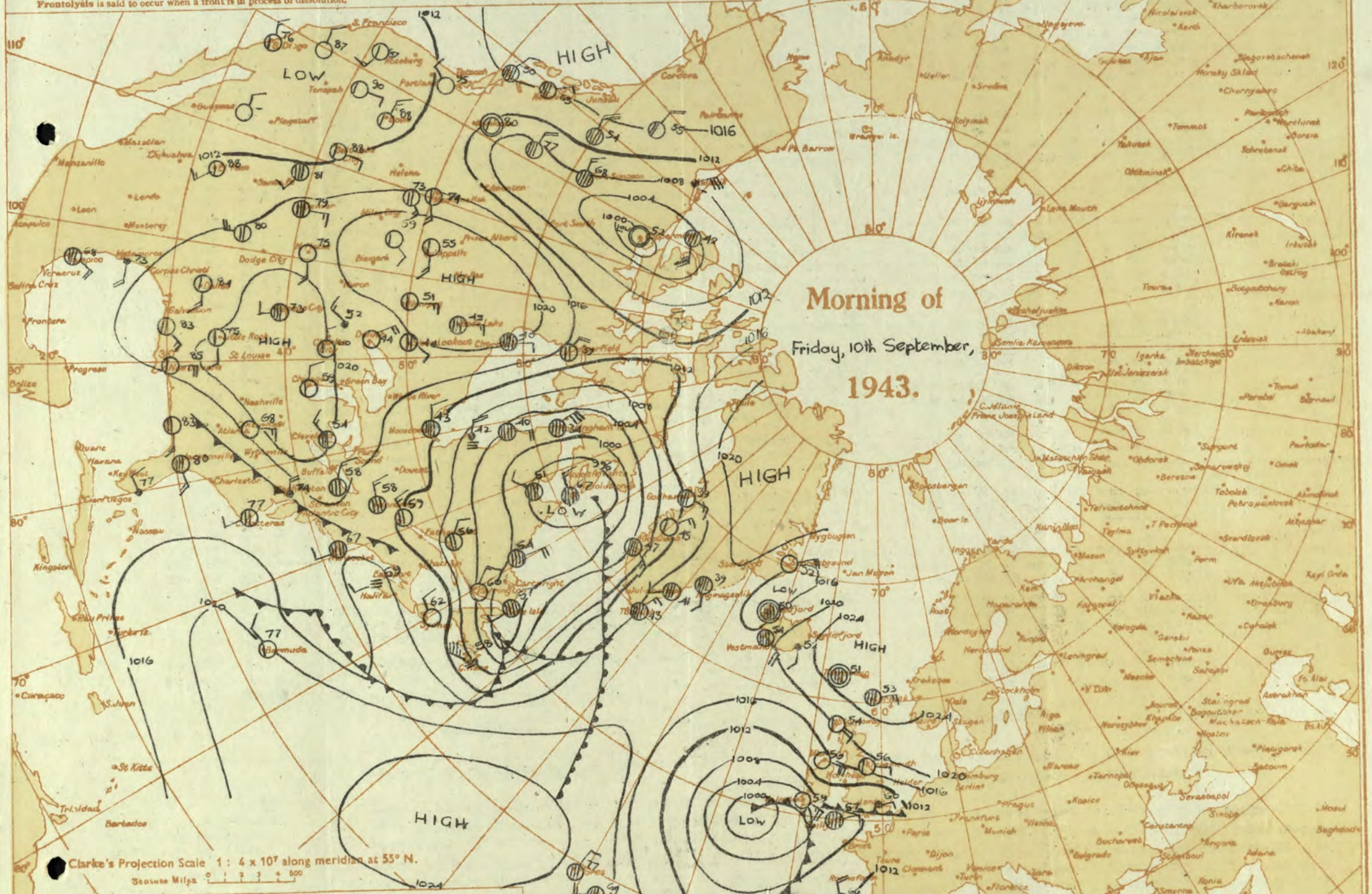
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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 summertime.

Page 4. BRITISH SECTION

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

Friday 10th September 1943

No. 29877

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	60	*	*	*	*	*	*	*	*	*
	Croydon	290	11·8	-10	E'N	1	dodo	60	97	60	3	5	2	–	4-6	10	600
	S. Farnborough	226	09·2	-18	E	2	ff	59	97	59	3	5	–	–	10	10	500
	Boscombe Down	417	09·4	-20	E'N	3	ff	58	97	58	6	5	2	–	7-8	10	600
	Thorney Island	10	09·8	-10	SE'S	3	c/r	63	92	62	6	6	2	–	4-6	10	900
	Lympne	283	11·2	-10	E'N	2	c/r	61	97	61	4	5	2	–	9+	10	1000
	Manston	154	11·0	-14	ESE	3	o/r	62	92	60	6	–	2	–	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	12·8	-12	E'N	5	rr	59	85	54	5	5	2	–	9	10	2300
	Gorleston	5	14·5	-10	E'S	5	c	63	85	59	7	5	–	–	10	10	2500
	Mildenhall	15	12·1	-22	E	3	roro	60	92	58	6	–	2	–	0	10	–
	Cranwell	203	13·9	-16	ENE	4	zo	59	92	57	6	5	–	–	10	10	1300
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	10·7	-24	NE'E	4	ido	58	92	56	5	6	2	–	10	10	3500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	06·4	-16	ENE	5	if	57	92	55	7	6	2	–	7-8	10	1500
	Bristol	209	09·3	-20	NE	3	dodo	57	97	55	6	5	–	–	10	10	1000
	Portland Bill	32	08·4	-12	E	5	rr	59	92	57	7	5	–	–	10	10	2500
	Plymouth	86	06·5	-10	E	3	dodo	59	97	59	5	6	2	–	9	10	800
	The Lizard	240	05·9	-16	SE'S	3	o/r	59	97	59	5	5	–	–	10	10	800
	Scilly (St. Mary's)	163	06·5	-12	ENE	2	c	57	92	55	7	5	–	–	10	10	1000
	Guernsey	175															
6	Pembroke	142	08·6	-20	E	4	ff	57	92	55	7	8	2	–	7-8	10	1500
7	Holyhead (Valley)	32	12·8	-10	ENE	4	zo	57	85	52	6	5	1	–	2-3	10	3000
	Chester (Sealand)	16	13·3	-14	E'N	2	zo	57	85	51	6	5	–	–	10	10	2200
8	Manchester	230	14·1	-16	ENE	3	c	57	85	52	7	5	–	–	10	10	1400
10	Spurn Head	29	15·3	-22	E'N	6	o	57	92	54	7	5	–	–	10	10	2500
	Catterick (Sc)	192	18·5	-10	ENE	1	zo	52	97	52	6	5	–	–	7-8	7-8	2000
	Tynemouth	108	20·2	-6	E	3	b-bc	56	92	53	7	–	4	–	0	2-3	–
11	St. Abbs Head	280	20·4	-2	ESE	3	bc	54	92	52	7	5	–	–	4-6	4-6	2500
	Leuchars	36	21·1	-10	E	3	c	55	92	53	7	5	–	–	9+	9+	2100
12	Renfrew (Abbots I.)	19	18·9	-8	NE	3	zo	53	85	48	6	–	4	2	0	4-6	–
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	15·6	-16	SE'S	6	bc	57	75	49	8	5	7	–	1	4-6	2000
13A	Tiree	44	18·7	+4	ESE	4	zo	56	85	51	5	–	–	–	0	0	–
13B	Stornoway	12	20·1	+2	ESE	2	b	54	85	50	8	5	–	–	1	1	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	23·0	-4	ESE	2	zo	53	85	50	6	5	–	–	4-6	9+	1900
	Wick	114	23·8	0	SSE	2	b-bc	53	85	49	8	5	–	–	2-3	2-3	1500
16	Sumburgh	19	25·7	0	E	3	c	55	85	51	8	5	–	–	10	10	1000
17	Blacksod Point	18	10·6	-2	SE	4	b-bc	57	85	53	7	8	–	–	2-3	2-3	4000
18	Malin Head	84	15·4	+2	E'S	6	bq	56	85	52	8	–	–	–	0	0	–
	Aldergrove	268	15·3	-4	E'S	3	zo	53	85	49	5	5	–	–	Tr	Tr	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	05·3	-18	ESE	5	c	59	75	51	9	5	7	–	4-6	9	4000
	Roches Point	22	07·8	-10	E'S	5	c	58	92	56	8	5	–	–	9+	9+	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	10·7	+10	S'W	2	dodo	61	92	60	6	5	2	–	9	10	1500	1	*
Croydon	11·3	+4	SSE	2	ido	62	92	60	6	5	2	–	4-6	10	3000	1	*
S. Farnborough	10·0	+12	S'E	1	c	60	92	58	7	5	–	–	10	10	1000	1	*
Boscombe Down	09·5	+12	S'W	2	c/d	58	97	57	6	5	2	–	7-8	10	800	1	*
Thorney Island	10·5	+8	SW'S	3	c	65	65	54	8	5	3	–	9+	9+	1500	1	
Lympne	11·9	+10	SE	2	zo	62	97	62	5	5	–	9	4-6	9+	500	1	§3
Manston	11·3	+10	SE'E	2	o/r	62	92	61	5	5	–	–	10	10	700	1	*
Shoeburyness	11·9	+6	SE	3	zo	63	92	61	6	5	–	–	10	10	2500	1	*
Felixstowe	12·1	+2	ESE	5	c/d	62	97	61	5	5	–	–	10	10	2500	1	3
Gorleston	13·3	0	ESE	4	RR	60	92	59	6	6	–	–	10	10	800	1	5
Mildenhall	10·9	0	E	4	roro	60	97	60	6	5	–	–	10	10	800	0	*
Cranwell	11·4	+6	E'N	3	roro	58	97	58	5	5	–	–	10	10	300	1	*
Birmingham	10·0	-2	E	2	rf	57	97	56	3	6	–	–	10	10	450	1	*
Upper Heyford	09·4	+2	E'S	2	rr	59	97	59	4	–	2	–	10	10	200	1	*
Ross-on-Wye	08·4	-4	E	2	if	59	97	58	5	5	–	–	10	10	400	1	*
Hartland Point	06·5	+10	SSW	3	cbc	59	97	58	7	5	4	1	4-6	7-8	2100	1	3
Bristol	08·5	+8	SSE	3	o/d	59	97	58	6	5	–	–	10	10	500	1	*
Portland Bill	09·6	+6	SW	4	o	60	92	58	7	5	–	–	10	10	2500	1	4
Plymouth	08·3	+8	SSW	3	c	60	92	58	7	5	7	–	7-8	9	2000	1	2
The Lizard	07·9	+2	SE	2	cbc	59	92	57	7	5	3	–	7-8	7-8	2000	1	3
Scilly (St. Mary's)	05·6	-2	SE'S	3	c	58	97	57	8	8	7	3	7-8	9+	1000	0	3
Guernsey																	
Pembroke	06·4	-6	SE	4	roro	59	97	59	5	5	–	–	10	10	1000	1	3
Holyhead (Valley)	08·9	-14	ENE	3	c/r	57	92	55	6	5	2	..	10	10	2000	1	4
Chester (Sealand)	10·6	-6	NE'E	2	roro	58	92	57	6	5	2	–	4-6	10	2000	1	*
Manchester	11·1	-10	E'N	4	c	60	85	56	7	5	2	–	7-8	9+	1500	1	*
Spurn Head	13·4	0	E	6	if	60	85	56	6	3	2	–	7-8	10	1500	1	4
Catterick (Sc)	17·4	-4	ENE	2	c/r	57	92	56	6	5	7	–	4-6	10	1500	0	*
Tynemouth	18·8	+4	E	4	bc	56	92	54	7	2	3	–	4-6	4-6	1400	0	3
St. Abbs Head	19·3	-2	ESE	3	c	55	97	54	6	5	4	–	7-8	9+	2000	0	3
Leuchars	20·3	+2	ENE	3	c	56	85	52	7	5	–	–	9+	9+	3000	0	*
Renfrew (Abbots I.)	18·3	+2	ENE	4	cbc	55	85	50	7	8	3	–	7-8	7-8	2500	0	*
Eskdalemuir	17·7	-2	NNE	3	c	52	92	49	8	5	–	–	10	10	1300	1	*
Point of Ayre	13·2	-8	E'S	5	bc	53	85	48	8	5	4	–	2-3	4-6	2000	0	4
Tiree	18·2	0	E'N	3	b-bc	55	85	49	9	1	–	5	Tr	2-3	3000	0	3
Stornoway	20·4	+6	ESE	5	b	55	75	47	8	1	–	–	Tr	Tr	4000	0	3
Dalwhinnie	20·0	-2	ESE	2	c	50	75	43	8	7	–	–	9	9	2500	0	*
Aberdeen †	22·4	+4	ENE	2	c	55	92	52	8	5	–	–	9+	9+	2500	1	2
Wick	23·7	-2	ENE	2	c	54	97	53	8	5	–	–	10	10	4000	0	*
Sumburgh	25·8	+6	ENE	4	b	54	85	50	8	–	–	–	0	0	–	0	1
Blacksod Point	09·8	+2	E'N	6	c	57	85	52	7	8	–	–	10	10	2500	1	5
Malin Head	14·8	+6	E	8	cbcq	56	75	49	8	8	–	–	2-3	7-8	2500	1	5
Aldergrove	13·5	-6	ENE	4	cbc	54	85	50	7	5	7	4	4-6	7-8	2000	1	*
Birr Castle	07·5	-6	ENE	3	if	56	92	54	7	6	2	–	7-8	10	800	1	*
Valentia Obsy.	04·2	+2	E'S	5	if	59	85	54	8	5	2	–	9	10	1500	1	3
Roches Point	05·0	-6	E'S	6	dd	57	97	56	5	5	–	–	10	10	450	1	5

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 9th Hrs. (38)
London (Kew)	69	59	57	–	8	6·8
Croydon	70	59	58	–	8	7·7
S. Farnborough	71	57	57	–	9	6·3
Boscombe Down	70	55	55	–	5	6·7
Thorney Island	70	62	57	1	5	*
Lympne	66	59	58	–	13	6·7
Manston	67	60	59	–	9	6·7
Shoeburyness	66	61	55	–	7	8·5
Felixstowe	67	56	49	–	12	10·[illegible]
Gorleston	64	60	58	–	13	10·3
Mildenhall	71	59	56	–	4	10·1
Cranwell	69	59	54	–	5	8·6
Birmingham	68	57	54	–	7	7·1
Upper Heyford	70	56	55	–	10	*
Ross-on-Wye	63	56	54	–	5	6·5
Hartland Point	65	54	52	Tr	3	4·7
Bristol	69	55	53	–	2	6·6
Portland Bill	63	58	*	4	8	*
Plymouth	65	54	53	2	4	2·3
The Lizard	63	55	*	1	2	2·3
Scilly (St. Mary's)	64	56	*	Tr	0·4	2·0
Guernsey						
Pembroke	65	63	*	–	1	7·2
Holyhead (Valley)	71	56	54	–	1	*
Chester (Sealand)	69	57	52	–	4	8·5
Manchester	66	57	51	–	3	*
Spurn Head	63	57	*	–	Tr	11·4
Catterick (Sc)	66	48	41	–	Tr	3·9
Tynemouth	58	55	52	–	–	*
St. Abbs Head	60	53	*	–	–	*
Leuchars	63	55	52	–	–	9·8
Renfrew (Abbots I.)	67	52	46	–	Tr	6·8
Eskdalemuir	65	45	41	–	–	9·8
Point of Ayre	65	56	*	–	–	6·0
Tiree	64	52	44	–	–	6·9
Stornoway	63	51	45	–	–	10·7
Dalwhinnie	62	46	41	–	–	8·9
Aberdeen †	59	53	49	–	–	5·0
Wick	59	53	49	–	–	*
Sumburgh	59	53	49	–	–	7·7
Blacksod Point	63	55	*	–	–	*
Malin Head	64	53		–	–	7·9
Aldergrove	66	51	48	–	–	8·7
Birr Castle	66	52	48	–	Tr	5·8
Valentia Obsy.	66	58	55	–	Tr	2·7
Roches Point	61	57	*	–	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 9th September $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 10th September $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	10	01852	12413	50	12412	23356	50	02744	12224	5-	02757	08327
115				54	01961	08424	54	01961	08424	5A	02964	41424
203												
206	04	01890	10314	04	01790	08402	50	05641	06301	5-	02858	08428
210	10	01861	12313	00	00890	12310	50	01762	10312	57	02844	08328
219	10	01952	14414	03	01550	06314	00	00790	10110	50	01861	09301
230	14	01862	10212	13	05762	08114	50	01851	00011	8-	01963	00013
245	50	05633	12313	5-	02745	08315	5-	05658	06328	5-	02744	05428
260	1-	05554	06414	6-	01744	28224	--	05545	12315	5-	02745	28425
278	10	05651	01411	23	02753	12316	00	00890	41500	5-	02852	41626
279	20	05664	12314	26	02761	08415	5-	02755	08415	57	02745	06717
285	23	01744	14514				–			5-	41528	10648
288	2-	02855	10115	14	01853	06314	50	01844	05414	52	02735	02428
575	1-	02955	12325	46	01854	14104	04	05690	09412	57	01754	10325
301	10	05633	08413	07	01790	08423	5-	05653	06426	62	62635	02468
321	10	02864	10315	50	02844	07424	5-	02748	06428	52	62615	06368
299	00	00790	06200	44	01753	08414	40	01754	08514	5-	22647	08567
302	10	01854	12344	14	01363	08414				51	02746	06468
310			–	--	01643	08513						
614	76	05655	08326	44	01761	08413	5-	05545	06428	62	64535	06468

III	13h. G.M.T. 9th September $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 10th September $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
388				24	01761	09314	57	62754	07426	87	22755	39368
334	--	05653	08315									
340	7-	05654	10515	53	02763	08427	52	61645	08468	62	64645	41558
136	10	01861	08314	50	02743	04415	02	05690	08428	62	22626	10468
386	13	02753	12316	53	01752	12314				52	21646	12358
350	20	02854	10445	07	02850	08417	62	61548	06368	02	67318	08268
368	8-	05655	06325	57	02754	10228	02	62648	02368	5-	08438	08268
379	10	05755	12426	07	02790	08426	5-	62625	08468	02	62108	08368
390	20	02754	06325	10	01790	06427	02	52548	08268	5-	05448	00028
382	10	02755	10525	57	02863	09327	5-	52648	06368	52	52636	16268
438	53	05666	09414	5-	64548	06668	8-	43335	16345	8-	02757	22347
430	13	02753	09315	57	64664	06368	5-	05638	08328	5-	21758	16158
409	53	02852	10426	52	62754	10468	02	22648	04268	54	02623	16354

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 10th September
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	bcfcbcy	bccyc	crorcrdod
Croydon	bcwbcc	cbcycmo	cdocidom
Greenwich	bc⊕y	bc ⊕yc	crRroc
Camden Square	bc	bc	*
Kensington	bc	bcc	*
Hampstead	o	or	od

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 9h: Max. 0·2, Time 8-9h; Min. <0·1, Time 13-19h 9th

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	59	57	–	8	6·8	*	*
Croydon	70	59	58	–	8	7·7	*	*
Greenwich	69	59	57	–	8	8·1	45	85
Westminster	70	60	56		5		58	98
Regents Park	72	60	57	–	5		47	89
Camden Square	73	59	57	–	6	*	*	83
Kensington	70	60	58	–	5		67	87
Hampstead	68	57	53	–	6		*	91

SECRET

Page 1

BRITISH SECTION

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

Saturday 11th September 1943

No 29878

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

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	+4	SW'S	2	c	68	75	58	8	8	3	8	9	9+	2500
	Croydon	13.6	+6	S	3	c	69	65	58	8	5	–	6	2-3	9	3000
	S. Farnborough	12.1	+2	SSE	2	c	68	65	57	8	1	7	6	2-3	9+	2500
	Boscombe Down	12.1	+8	S	2	c	65	75	57	8	5	–	–	9	9	2000
	Thorney Island	12.6	+2	S'E	2	c-bc	68	65	55	9	5	7	3	2-3	7-8	2500
	Lympne	13.5	+6	ESE	2	bc	65	*	*	8	5	3	3	2-3	4-6	2000
	Manston	12.7	+2	S'E	3	cbc	69	65	57	8	1	–	6	1	7-8	3000
2	Shoeburyness	13.7	+8	SSW	1	bc	71	65	58	8	1	4	2	2-3	4-6	2500
	Felixstowe	13.2	+4	ESE	3	z.	66	85	61	6	–	2	–	10	10	1500
	Gorleston	13.7	+2	SE'E	4	c/r	62	92	60	6	6	–	–	10	10	1000
	Mildenhall	12.6	–2	E'S	3	c	65	92	63	6	5	7	1	9	9+	1900
	Cranwell	12.3	+2	E'S	3	rr	60	97	60	4	5	–	–	10	10	400
3	Birmingham	11.7	+6	S	2	c	61	85	56	7	6	7	–	9	10	800
	Upper Heyford	11.9	+8	SSE	2	c	62	85	57	8	5	–	–	7-8	10	1400
4	Ross-on-Wye	108	+6	S'W	2	c	66	75		8	5	–	9	9	9+	3000
5	Hartland Point	08.9	+4	S	3	cbc	65	75	57	8	2	4	3	2-3	7-8	2000
	Bristol	11.0	+8	S	2	c	66	75	56	8	5	4	8	2-3	9+	2300
	Portland Bill	11.9	+8	E	4	c	64	85	61	8	2	4	–	4-6	9	4000
	Plymouth	10.0	+6	SE'E	4	c	65	85	61	8	2	7	2	2-3	9	2500
	The Lizard	08.2	+4	SSE	3	c	63	92	61	7	5	–	–	10	10	1500
	Scilly (St. Mary's)	07.7	+14	SSW	2	c/r	60	92	58	8	8	7	–	4-6	10	1200
	Guernsey															
6	Pembroke	09.3	+8	ESE	3	c-bc	62	92	59	8	8	3	–	4-6	7-8	2500
7	Holyhead (Valley)	10.0	+6	E'N	4	c/r	63	92	61	7	5	7	–	4-6	10	1500
	Chester (Sealand)	11.2	+6	ESE	2	c/d	61	92	59	6	5	2	–	7-8	10	2000
8	Manchester	11.7	+6	ES	4	ir.	62	85	58	7	6	2	–	7-8	10	1000
10	Spurn Head	14.0	0	E	5	rr	59	92	57	6	–	2	–	10	10	1500
	Catterick (Sc)	17.4	0	ENE	3	r.r.	59	92	56	6	5	2	–	4-6	10	1200
	Tynemouth	18.3	–2	E	4	c	59	65	46	7	2	–	–	9+	9+	1600
11	St. Abbs Head	18.4	–8	ENE	4	c	56	97	55	7	5	2	–	7-8	10	1500
	Leuchars	20.2	–2	S	4	c	58	85	54	7	5	–	–	10	10	1000
12	Renfrew (Abbots I.)	17.1	–8	E'N	5	z.	61	75	53	6	8	7	–	7-8	9+	1800
	Eskdalemuir	17.1	+2	NEE	3	c	57	85	51	8	5	–	–	10	10	1500
	Point of Ayre	12.4	–6	ESE	4	ir.	61	85	56	7	6	7	–	4-6	10	1600
13A	Tiree	17.2	–8	E	5	b	63	75	54	9	–	–	5	0	1	–
13B	Stornoway	20.5	–6	ESE	4	b	61	65	50	8	5	–	–	1	1	4000
15	Dalwhinnie	19.0	0	ESE	4	c-bc	59	55	43	8	8	–	–	7-8	7-8	2500
	Aberdeen	22.6	–4	E'N	3	c	58	92	55	7	5	–	–	9+	9+	1500
	Wick	23.8	–2	E	3	c	57	85	53	7	5	–	–	9+	9+	3000
16	Sumburgh	26.4	–2	E'N	4	c	55	85	51	8	5	–	–	10	10	1200
17	Blacksod Point	09.4	–6	ENE	6	ir.	57	92	55	7	6	–	–	10	10	1500
18	Malin Head	13.8	–6	E'S	7	ir	59	85	54	8	5	2	–	4-6	10	2500
	Aldergrove	12.2	–8	ENE	4	dd	57	92	55	6	–	2	–	10	10	400
19	Birr Castle	07.6	+2	SE	2	c	62	92	60	8	5	2	–	7-8	10	2500
20	Valentia Obsy.	06.3	+14	S'E	3	r.r.	56	97	55	7	5	–	–	10	10	4000
	Roches Point	06.8	+10	E'S	4	c-bc/pr	61	92	59	8	5	3	–	4-6	7-8	1500

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

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)	12.5	+2	SE'E	1	c	66	75	56	8	8	4	3	Tr	9+	4000	1	•
Croydon	13.1	–6	ESE	1	c	65	85	61	8	–	9	2	0	9	–	0	•
S. Farnborough	12.4	+2	ESE	1	c	65	75	58	8	5	9	8	2-3	9	2000	0	•
Boscombe Down	12.3	+2	ESE	2	c-bc	65	75	58	8	5	3	2	4-6	7-8	2000	0	•
Thorney Island	12.5	0	E	2	c-bc	64	85	59	9	5	3	3	2-3	7-8	4000	0	•
Lympne	13.6	–2	NNW	1	c	63	85	58	8	5	–	3	2-3	9	4000	0	1
Manston	13.6	+4	SSW	1	c	66	75	58	8	–	7	6	0	9+	–	0	•
Shoeburyness	14.3	+6	SSE	2	c	66	75	59	8	–	9	2	0	9	–	0	•
Felixstowe	14.6	+12	E'N	3	z.	63	92	61	5	–	2	9	0	9+	–	0	2
Gorleston	14.9	+14	ESE	3	z.	62	92	60	6	5	–	–	10	10	1000	1	4
Mildenhall	13.7	+10	E	4	z.	64	97	62	5	5	7	–	4-6	7-8	4000	1	•
Cranwell	13.8	+6	ESE	3	z.	61	97	60	5	5	2	–	7-8	10	500	1	•
Birmingham	12.9	+8	SE	2	c-bc	64	75	56	7	5	–	2	2-3	7-8	2500	1	•
Upper Heyford	12.2	+6	E	1	c-bc	66	75	58	8	5	7	2	4-6	7-8	2500	1	•
Ross-on-Wye	11.8	+8	SE'S	1	c-bc	65	75	58	8	5	7	3	1	7-8	3000	1	•
Hartland Point	09.3	–2	ESE	4	c	63	85	59	8	–	9	–	0	9+	–	0	3
Bristol	12.0	+6	SSE	1	c	66	75	57	8	5	7	8	2-3	9	2500	1	•
Portland Bill	11.8	–4	E	4	c	62	85	59	8	5	–	–	10	10	4000	1	4
Plymouth	10.1	–2	ESE	3	ir.	62	97	60	7	8	7	–	4-6	9+	1500	0	2
The Lizard	09.2	+2	ESE	3	c/pr	60	97	60	6	5	–	–	10	10	1500	1	4
Scilly (St. Mary's)	08.6	+8	NW	2	c/r	58	92	57	7	8	4	–	9	9+	1000	1	3
Guernsey																	
Pembroke	10.3	+6	SE'E	3	c	63	85	60	7	8	6	–	2-3	9+	2500	0	2
Holyhead (Valley)	11.8	+10	–	0	c-bc	62	92	59	8	8	7	6	4-6	7-8	2500	1	2
Chester (Sealand)	12.1	+10	–	0	z.	64	85	59	6	8	7	6	4-6	9	3000	1	•
Manchester	12.5	+6	E'S	2	z.	62	85	59	6	5	3	9	7-8	9	2000	1	•
Spurn Head	14.6	+4	ESE	4	z.	60	92	57	6	5	2	–	7-8	10	1200	1	4
Catterick (Sc)	17.2	–2	ENE	2	r.r.	56	97	56	4	6	2	–	9	10	1000	1	•
Tynemouth	18.8	+4	E	4	c/r	57	92	55	6	–	2	–	10	10	1600	1	3
St. Abbs Head	18.6	+6	ESE	4	c	55	97	54	6	5	7	–	7-8	9+	1500	0	4
Leuchars	19.9	–2	E	3	z.	57	92	55	6	5	7	–	7-8	10	5000	0	•
Renfrew (Abbots I.)	16.9	+2	ENE	4	r.r.	58	92	56	6	5	2	–	9	10	3000	1	•
Eskdalemuir	17.3	+6	NNE	2	pr	56	85	52	8	5	–	–	10	10	1300	1	•
Point of Ayre	13.0	+4	SEE	4	rr	59	92	57	5	6	2	–	2-3	10	1000	1	4
Tiree	16.9	0	E	4	c-bc	60	85	54	9	5	3	–	2-3	7-8	4000	0	3
Stornoway	19.5	–2	E	6	b	59	85	53	8	1	–	–	Tr	Tr	4000	2	4
Dalwhinnie	19.2	–2	ESE	2	c	56	75	46	8	8	4	–	4-6	9+	2500	0	•
Aberdeen	22.1	–2	ESE	3	z.	57	97	56	6	5	–	–	9+	9+	500	1	3
Wick	23.8	+4	E	2	c	55	92	54	7	5	–	–	9+	9+	700	0	•
Sumburgh	25.9	–2	NE	3	c	53	92	50	8	5	–	–	10	10	800	0	1
Blacksod Point	09.9	+6	E'N	3	c	59	92	57	7	5	–	–	9+	9+	1500	1	3
Malin Head	13.4	+2	EN	7	ir.	58	85	53	8	5	2	–	4-6	10	2500	1	5
Aldergrove	12.8	+10	ENE	3	dd	57	92	55	5	–	2	–	10	10	400	1	•
Birr Castle	08.8	+10	ENE	1	c	62	85	57	8	5	1	–	7-8	9+	2500	1	•
Valentia Obsy.	08.6	+16	SSW	2	c-bc	59	85	54	8	5	3	3	4-6	7-8	2500	1	2
Roches Point	08.6	+16	S	3	bc	59	85	54	8	5	3	5	1	4-6	1500	1	4

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)	cmoc	c	bccTLRr	[illegible]
Croydon	cid.moc	c	cmodtlctlr	ctlrocmof
S. Farnborough	cwciroc	c	ctlrocmo	omocmo
Boscombe Down	cmod.d.c	c	tlrororodc	bcc
Thorney Island	c	bc	ctlriroc	bcfgc
Lympne	cbc	c	ccmo	cmolcm
Manston	cmobc	bcc	ccmofmf	cf
Shoeburyness	cmoc	bcc	ctlrrmo	ctlrromo
Felixstowe	cmoc	bcmocm.	omocmo	clmocirmo
Gorleston	prd.zo	oz	oczoc	cl
Mildenhall	cmoid.cm.	cm.id.	cmo	cirometlrm
Cranwell	crr	crrmd[illegible]	cmocm	cirororrm
Birmingham	forcc	o	co	orrir
Upper Heyford	crmd.d.mo	c	cliromo	crmocm
Ross-on-Wye	rocd.c	c	bocro	Rcbc
Hartland Point	cbccbc	bcc	cirrr	crb
Bristol	cid.cc⊕	c	ccmocrrmo	cmobcmo
Portland Bill	c	c	orrc	o
Plymouth	c	c	crrmobcpro	cmoc
The Lizard	cprro	orcpc	rrcbc	cbc
Scilly (St. Mary's)	cir	crr ro	cbcw	bcw
Guernsey				
Pembroke	c	c	cRR	croro
Holyhead (Valley)	cir.r.r.	cror.c	cifcm	crorom
Chester (Sealand)	ror.d.d.c		bcffc	crorrr
Manchester	crororo	ir.rd.ir	bccmo	cdororomo
Spurn Head	omorr	omo	cmo	omo
Catterick (Sc)	cr.r.m.	crorom	cromo	cmcmo
Tynemouth	bccpoc	cpoorr.c	orr	cmo
St. Abbs Head	cmo	cmo	cmor	cmorf
Leuchars	cmoc	ccmo	cmo	cmo iroir
Renfrew (Abbots I.)	cbcmobcc	cmoid.d.r	crorcirom.	crorommoiro
Eskdalemuir	cpr iro	ciropro	croro	ciromo
Point of Ayre	bciro	ciro rr	rrroc	bbc
Tiree	b	bbc	c	cbcc
Stornoway	b	b	b	bwb
Dalwhinnie	c	c	•	coc
Aberdeen	c	cbccmo	cmo	cwmo
Wick	c	c	c	cmo
Sumburgh	c	c	c	cfcw
Blacksod Point	r	c	c	c
Malin Head	bc	r	r	r
Aldergrove	d.d.mocddm	ddmo	dddocd.d.	cdodomcmo
Birr Castle	r	c	•	r
Valentia Obsy.	r	r	c	c
Roches Point	pr	r	pr	f

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 11th September 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	Light variable or easterly winds; local showers or thunderstorms this afternoon and evening, dying out tonight, much low cloud in eastern parts of area; close.
8 N.W. England 9 N. Midlands 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland	Moderate or fresh easterly winds; cloudy with occasional rain; close.
13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh easterly winds; mainly cloudy but some bright periods in West; rather cool.
16 Orkneys and Shetlands	As 13B - 15
17 N. W. Ireland 18 N. E. Ireland	As 8 - 13A
19 S. E. Ireland 20 S. W. Ireland	As 1 - 7

GENERAL INFERENCE

Pressure is high to Northeast and low to Southwest of the British Isles. Weather will be generally unsettled with occasional rain or local thunderstorms in many areas; it will be close except in the extreme North.

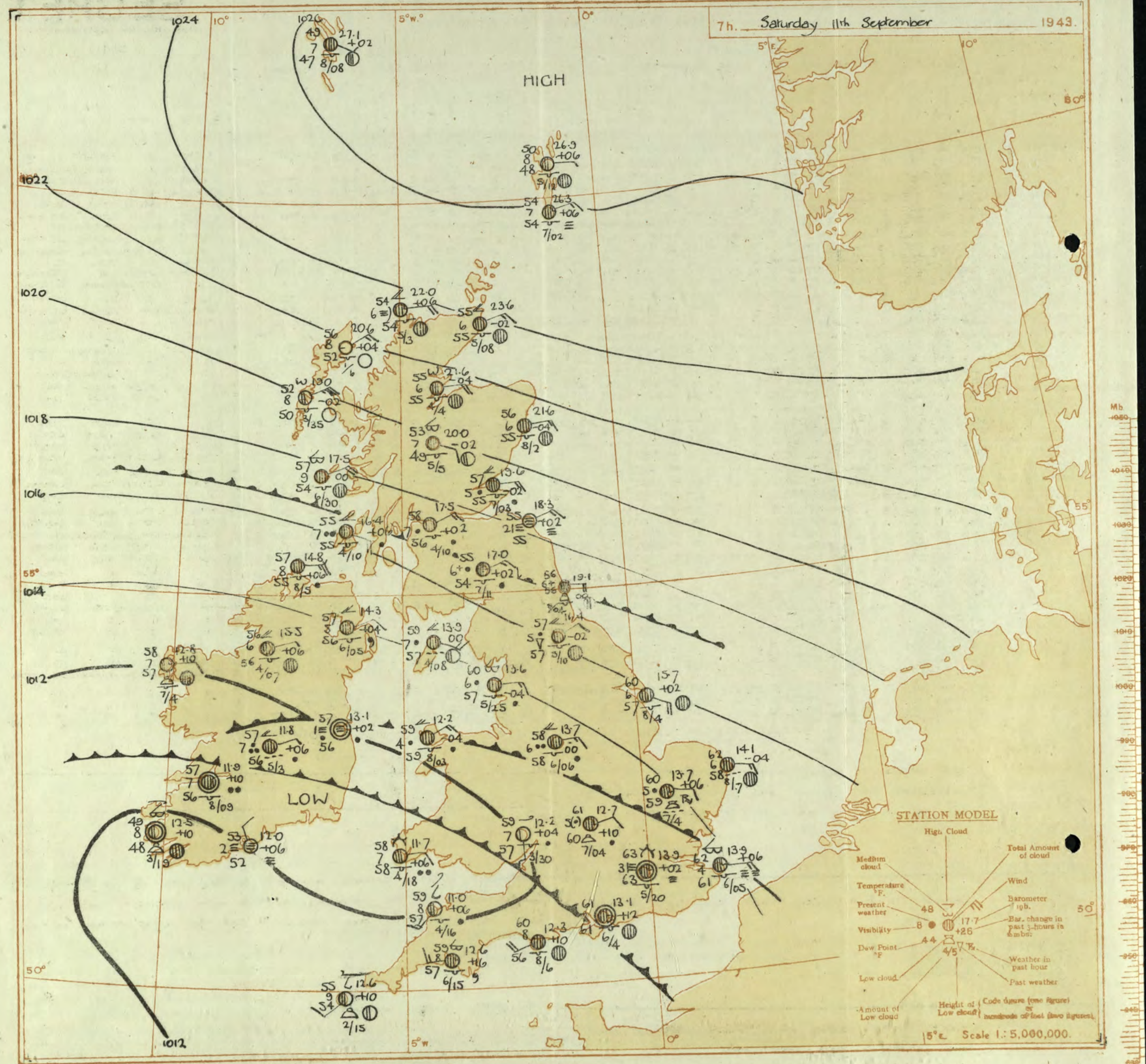
FURTHER OUTLOOK

No great change indicated.

Forecasts issued at 10-30.

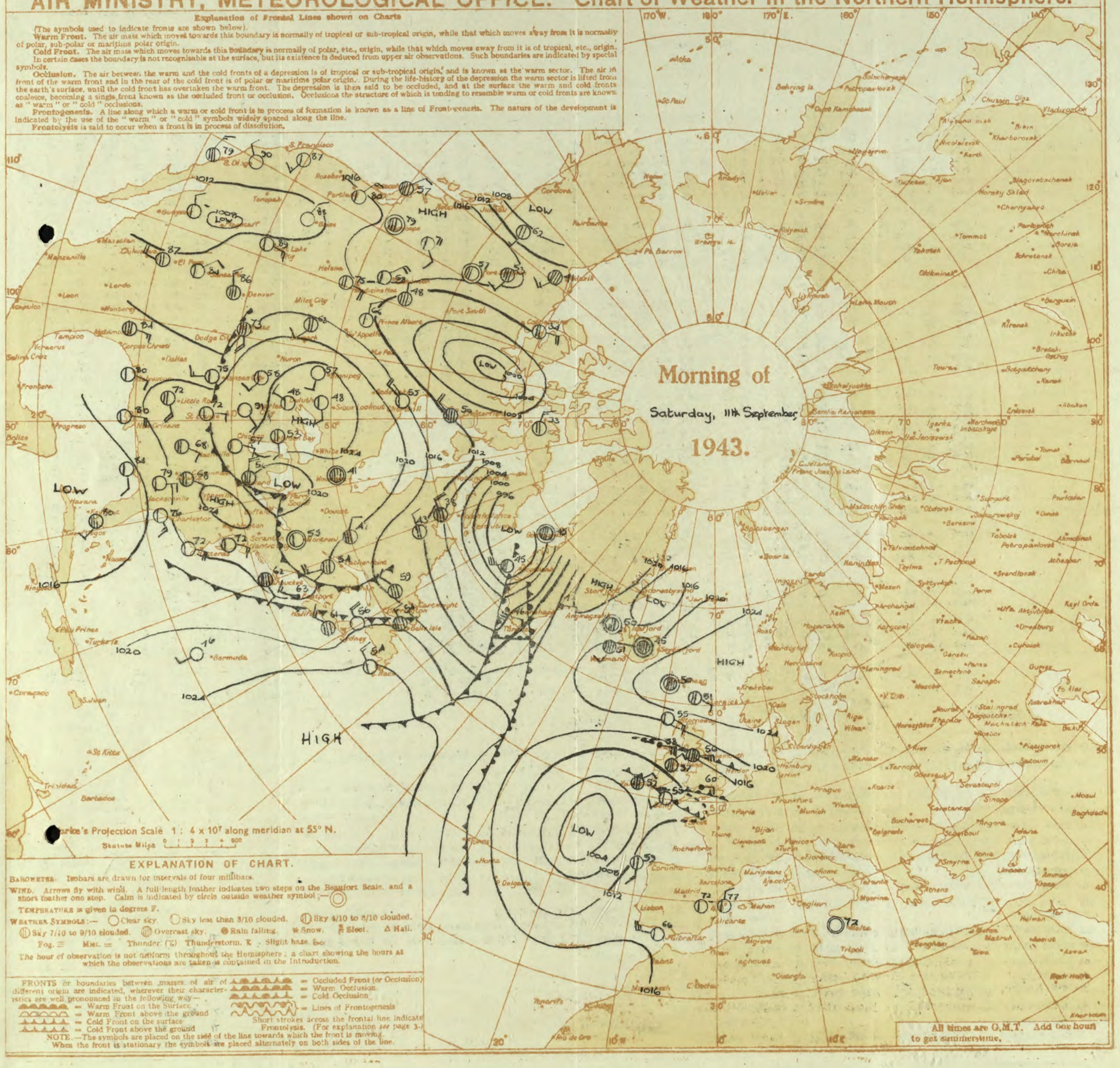
NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Saturday 11th September 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.

Saturday 11th September 1943

No. 29878

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

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	14.6	+6	E	2	tlr	60	97	60	4	9	-	-	10	10	700
	S. Farnborough	226	12.2	-4	ENE	1	Zo	59	97	59	6	5	-	-	10	10	500
	Boscombe Down	417	11.2	-10	E'S	4	bc	59	97	58	8	5	3	3	1	4-6	2500
	Thorney Island	10	11.7	0	ENE	3	ebc	63	92	62	7	3	-	-	4-6	7-8	1500
	Lympne	283	13.7	+2	NNE	3	Zo	62	97	61	5	5	2	-	7-8	10	4300
	Manston	154	14.2	-2	ESE	3	cf+	63	97	61	3	5	7	-	9	10	400
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	14.4	-2	E	4	Zo	62	92	60	6	5	-	-	10	10	800
	Gorleston	5	14.9	-2	ESE	4	c	61	92	59	7	5	-	-	10	10	1500
	Mildenhall	15	14.2	+2	ESE	2	Zo	62	92	60	5	5	-	-	10	10	1500
	Cranwell	203	14.6	+4	E	3	m	59	97	59	4	5	-	-	10	10	1400
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12.9	+2	E	3	rr	59	97	59	6	5	-	-	10	10	400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10.1	-2	NE	6	rr	59	97	59	8	5	2	-	4-6	9+	1500
	Bristol	209	11.2	-10	-	0	c/r	59	97	58	6	5	2	-	7-8	10	1000
	Portland Bill	32	11.0	-4	E	3	c	60	85	46	8	5	-	-	9	9	4000
	Plymouth	86	10.8	-8	E	2	b-bc/pr	59	97	59	6	5	3	-	2-3	2-3	2500
	The Lizard	240	10.4	+2	NW	4	bc	59	97	59	8	1	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	11.4	+10	SW	2	b-bc	55	97	55	8	8	-	-	2-3	2-3	1500
	Guernsey	175															
6	Pembroke	142	11.6	+6	SE'S	3	RR	59	97	59	3	6	2	-	4-6	10	800
7	Holyhead (Valley)	32	12.6	-2	NE	1	Zo	57	97	56	5	7	-	-	0	7-8	-
	Chester (Sealand)	16	13.3	-4	-	0	m/f	56	97	55	4	5	-	-	10	10	4500
8	Manchester	230	13.8	-2	E'S	3	Zo	60	92	58	6	5	-	-	7-8	9+	1200
10	Spurn Head	29	15.5	-4	E	5	ebc	60	92	58	7	7	-	-	7-8	7-8	2500
	Catterick (Sc)	192	16.6	-10	E	2	Zo	59	97	57	6	5	2	-	7-8	10	1200
	Tynemouth	108	10.7	-8	E	4	c/r	56	97	56	7	-	2	-	10	10	1500
11	St. Abbs Head	280	18.4	-8	ENE	3	roro	55	97	54	6	5	2	-	7-8	10	1500
	Leuchars	36	20.2	-6	ENE	2	Zo	56	97	55	6	5	-	-	10	10	700
12	Renfrew (Abbots I.)	19	17.5	0	ENE	4	ir	57	92	54	5	5	2	-	9	10	1600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	13.6	-4	NE	4	bc	59	92	57	7	6	-	-	4-6	4-6	1000
13A	Tiree	44	17.7	0	E	2	c	57	92	54	7	5	7	-	7-8	10	2800
13B	Stornoway	12	20.5	-2	ESE	4	b	55	92	53	8	5	-	1	Tr	Tr	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	22.4	-6	E	4	Zo	56	97	55	5	5	-	-	10	10	400
	Wick	114	24.0	-2	ESE	2	c	55	97	55	6	5	-	-	10	10	500
16	Sumburgh	19	26.0	-6	ESE	2	ebc	53	92	51	8	5	-	-	7-8	7-8	1500
17	Blacksod Point	18	11.9	+4	E'N	3	c	58	97	57	7	5	-	-	9	9	1500
18	Malin Head	84	14.6	-2	E	7	ir	58	85	53	8	5	2	-	4-6	10	2500
	Aldergrove	268	14.2	+2	E'N	3	d.d.	56	97	55	5	6	-	-	10	10	500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	11.5	+4	NE'E	2	ebc	52	97	51	8	5	7	3	Tr	7-8	1500
	Roches Point	22	11.2	+6	S	1	c	55	97	54	8	5	-	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 11th September — 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)	13.3	+14	E'S	2	cf	63	92	61	3	5	-	-	9+	9+	2500	1	*	71	61	55	-	13	0.5
Croydon	13.9	+2	-	0	cf+	63	97	63	3	5	6	-	7-8	9+	2000	1	*	73	60	58	0.1	8	1.7
S. Farnborough	13.0	+14	SSW	1	Zo	62	92	61	6	5	-	-	9+	9+	1000	0	*	72	59	53	Tr	11	3.7
Boscombe Down	12.7	+12	-	0	bc	60	97	59	7	5	3	1	2-3	4-6	2000	1	*	68	58	58	7	7	3.1
Thorney Island	13.1	+12	-	0	c	61	97	61	7	5	-	-	9	9	1500	1	*	69	58	50	-	14	*
Lympne	13.9	+8	NE'E	2	m	63	92	61	4	5	-	-	9+	9+	2000	0	§2	*	60	55	-	Tr	6.2
Manston	13.9	+6	E'S	3	m/f	62	97	61	4	5	7	-	9	9+	500	0	*	71	61	54	Tr	-	4.6
Shoeburyness	14.4	+2	E	2	Zo	63	92	61	5	5	-	-	10	10	800	1	*	72	62	57	-	3	[illegible]
Felixstowe	14.3	+2	ENE	4	o/r	62	92	60	5	5	-	-	10	10	800	0	3	68	61	59	0.1	0.1	[illegible]
Gorleston	14.1	-4	E'S	3	c	62	92	58	6	6	-	-	10	10	1700	1	3	62	61	57	11	-	0.0
Mildenhall	13.7	+6	ESE	2	ir	60	97	59	5	9	-	-	9+	9+	1500	1	*	68	59	58	1	9	0.5
Cranwell	14.2	+2	E'S	3	Zo	59	97	58	5	5	-	-	10	10	400	1	*	63	58	57	20	3	0.0
Birmingham	13.1	+8	ESE	2	m	60	97	59	4	5	-	-	10	10	220	1	*	65	58	54	3	3	1.4
Upper Heyford	12.7	+10	E'S	2	cjp	61	97	60	5	2	-	-	9+	9+	400	1	*	67	59	57	0.6	7	*
Ross-on-Wye	12.2	+4	SW	1	b-bc	59	97	57	7	5	-	1	2-3	2-3	3000	1	*	70	58	54	0.4	7	2.8
Hartland Point	11.0	+6	SSW	3	bc	59	97	57	8	5	4	4	4-6	4-6	1600	1	3	68	56	54	-	4	4.8
Bristol	12.4	+10	-	0	bc	58	97	57	7	8	6	1	4-6	4-6	1500	1	*	69	57	51	Tr	11	4.8
Portland Bill	12.3	+10	SW	4	o	60	85	66	8	5	-	-	10	10	4000	1	4	64	57	*	-	8	*
Plymouth	12.6	+16	W	3	c	59	92	57	8	5	7	-	9	9+	1500	1	2	66	58	54	-	5	1.8
The Lizard	12.6	+10	WNW	3	bc	56	92	54	8	2	6	-	4-6	4-6	2500	1	3	63	55	*	1	17	0.5
Scilly (St. Mary's)	12.6	+10	SW'S	2	bc	55	97	54	9	2	4	5	1	4-6	1500	1	2	61	54	*	5	0.1	0.0
Guernsey																							
Pembroke	11.7	+6	E	2	c-bc/r	58	97	58	7	5	6	-	4-6	7-8	1800	1	2	64	57	*	0.1	14	1.0
Holyhead (Valley)	12.2	-4	NE	3	ir	59	97	59	4	5	2	-	10	10	300	1	1	64	55	52	1	2	*
Chester (Sealand)	12.7	0	-	0	rr	60	97	58	4	5	2	-	2-3	10	2000	1	*	66	56	47	1	7	0.1
Manchester	13.3	0	E'N	3	Zo	59	92	57	6	5	7	-	7-8	9+	3000	1	*	62	56	48	3	3	*
Spurn Head	15.7	+2	SE'E	4	Zo	60	92	57	6	5	-	-	10	10	1500	1	3	60	58	*	15	-	0.0
Catterick (Sc)	16.4	-2	ENE	2	pr	57	97	57	5	5	2	-	7-8	10	1000	1	*	62	56	53	17	7	0.0
Tynemouth	19.1	0	E	4	Zo	56	97	56	6	8	-	-	10	10	400	1	3	59	56	55	0.4	3	*
St. Abbs Head	18.3	+2	ENE	3	f+	55	97	55	2	-	-	-	10	10	<150	0	3	56	55	*	-	Tr	*
Leuchars	19.6	-2	E	3	ir	57	97	55	5	5	2	-	9+	10	300	1	*	59	56	54	-	0.1	0.5
Renfrew (Abbots I.)	17.5	+2	ENE	3	ir	58	92	56	7	5	-	-	4-6	10	1000	1	*	62	57	54	0.2	Tr	3.8
Eskdalemuir	17.0	-2	ENE	3	ir	55	97	54	6	5	-	-	9+	9+	1100	1	*	59	53	51	0.1	0.6	0.0
Point of Ayre	13.9	0	ESE	3	ir	59	92	57	7	6	2	-	4-6	10	800	1	4	61	58	*	6	7	0.0
Tiree	17.5	0	ENE	4	c	57	92	54	9	5	7	-	9	10	3000	0	3	65	56	53	-	-	9.2
Stornoway	20.6	+4	ENE	3	b	56	85	52	8	5	-	-	Tr	Tr	4000	0	2	63	54	50	-	-	12.0
Dalwhinnie	20.0	-2	ESE	2	c	53	85	49	7	5	7	-	7-8	9+	2500	0	*	59	47	41	-	-	6.0
Aberdeen †	21.6	-4	E	3	Zo	56	97	55	6	5	-	-	10	10	450	1	2	59	55	53	-	-	2.2
Wick	23.6	-2	E'N	3	c	55	97	55	6	5	2	-	7-8	10	800	0	*	58	54	52	-	-	*
Sumburgh	26.3	+6	ENE	3	c	54	97	54	7	5	-	-	9+	9+	200	1	1	56	51	45	-	-	2.6
Blacksod Point	12.8	+10	E	2	c	58	97	57	7	8	-	-	9+	9+	1500	1	2	59	57	*	Tr	Tr	*
Malin Head	14.8	+6	E	5	c	57	92	55	8	5	-	-	10	10	2500	2	4	59	56		0.4	0.5	3.2
Aldergrove	14.3	+4	E'N	2	Zo	57	97	56	5	5	2	-	9	10	500	1	*	57	55	55	6	2	0.0
Birr Castle	11.8	+6	ENE	1	rr	57	97	56	7	6	2	-	7-8	10	800	1	*	65	57	55	1	4	0.7
Valentia Obsy.	12.5	+10	-	0	bc	49	97	48	8	2	7	3	2-3	4-6	1500	1	2	64	48	45	2	Tr	2.1
Roches Point	12.0	+6	NNW	2	f	53	97	52	2	-	-	-	10	10	<150	1	3	62	53	*	0.3	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 10th September $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 11th September $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
10[illegible]	5-	02748	10428	5-	02745	08425	57	02735	10326	5-	02646	09326
115	84	02864	08424	24	02854	08424	54	09854	08425	52	09635	08427
203												
206	86	02865	06625	53	01841	38422	50	05642	06302	53	05644	084-5
210	8-	02865	08425				54	05642	07213	5-	21636	06356
219	10	01951	08401	50	01961	07401	00	00890	08200	53	08163	06704
230	10	01862	06412	74	02365	06325	5-	02857	06127	57	61966	04268
245	5-	02744	06427	5-	05625	07427	5-	05634	07424	5-	22528	58468
260	5-	05546	04428				52	05645	04328	52	05646	04428
278	02	22790	43768	07	22890	42668	52	61646	42568	52	02745	41468
279	57	22744	07567	57	02765	10468	52	22745	08668	52	05645	07528
285	27	05635	12627							27	05525	12527
288	62	62645	06468	62	64635	06468	52	05645	07328	52	05646	04348
575	52	51635	08558	5-	21548	08358	62	21535	10268	52	05634	08128
304	62	62645	06668	52	51555	08458	05	05690	06326	57	61655	08368
321	61	64636	08468	5-	05538	10228	5-	05548	08228	52	62645	08368
[illegible]	5-	64648	08568	5-	64648	08568	5-	02748	08428	5-	08427	
[illegible]	62	62625	41568	62	64427	08468	5-	05648	08368	62	62635	08368
316	--	52109	08459							--	67203	08469
614	02	52338	08265	83	05654	08125	5-	41438	08448	62	64425	08268

III	13h. G.M.T. 10th September $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 11th September $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
388	57	02755	14268	17	02852	00066	57	02774	00028	62	62645	00068
334	--	03637	00029	--	03537	00028						
340	52	02645	10228	59	02743	10225	52	08444	08228	52	61545	10468
136	52	05645	11468	5-	05638	10328	5-	05548	09328	52	66547	09368
386	52	41656	12358	13	01752	12313				52	22656	16368
850	5-	51735	15268	57	02753	08156	02	67328	08268	62	41427	08268
368	88	02853	08215	83	02764	16116	62	62634	14168	50	08464	16164
379	5-	02844	18226	27	02852	14125	5-	62328	10268	5-	41317	14257
390	57	05654	14328	57	05664	04126	5-	91438	10398	--	48209	10149
38[illegible]	53	02844	18226	77	02861	13127	9-	64646	08398	53	05534	14187
43[illegible]	56	01763	14214	7*	01764	06217				24	01753	23314
430	57	02853	12125	09	02890	09216	29	05643	10398	5-	02747	24117
409	57	02744	13427	57	61854	11427	5-	02635	12128	8-	02844	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).

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 11th September
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	cmoc	c	bcclRrcf	
Croydon	cidomoc	c	cltrocmof	Kew 24 hours ending 9h.
Greenwich	c	c	cltrRcmo	Max. Time 0.2 2[illegible]h 10th
Camden Square	c	c	*	Min. Time <0.1 16h 10th
Kensington	cbc	cbc	*	
Hampstead	bc	crtL	om	

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	61	55	-	13	0.5	*	*
Croydon	73	60	58	0.1	8	1.7	*	*
Greenwich	72	61	54	-	11.2	0.8	62	89
Westminster	71	63	58	18			77	95
Regents Park	71	62	57	-	14		63	89
Camden Square	71	62	56	-	20	*	*	95
Kensington	71	62	56	-	11		75	90
Hampstead	69	59	57	-	15		*	97

SECRET

Page 1 BRITISH SECTION

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

Sunday 12th September 1943

No. 29879

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

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)	13·7	−4	SSW	2	z₀	72	65	60	6	8	–	1	4-6	7-8	2500
	Croydon	14·7	−2	SW	2	bc	72	65	60	8	2	–	2	4-6	4-6	2500
	S. Farnborough	13·3	−6	S	2	cbc	74	55	57	8	7	6	6	4-6	7-8	2500
	Boscombe Down	13·7	−2	SSW	1	bc	71	55	55	8	1	–	–	4-6	4-6	2500
	Thorney Island	14·2	0	S	3	bc	68	75	60	9	1	–	–	2-3	4-6	2500
	Lympne	14·5	−2	S'E	2	cbc	71	75	63	7	7	–	9	4-6	7-8	2500
	Manston	14·1	−6	SW	2	z₀	73	65	62	6	2	3	–	7-8	9	4500
2	Shoeburyness	14·9	+4	ESE	1	z₀	70	75	63	6	2	4	–	2-3	7-8	1500
	Felixstowe	15·3	0	SE'E	2	z₀	65	85	61	5	5	–	–	10	10	1500
	Gorleston	15·3	0	SEE	2	z₀	63	92	60	6	5	–	–	10	10	1000
	Mildenhall	14·5	−2	ESE	3	z₀	66	92	63	5	5	–	–	7-8	10	800
	Cranwell	14·6	−2	ESE	3	z₀	62	92	60	6	5	–	–	10	10	500
3	Birmingham	13·2	−2	S	2	cbc	69	65	57	8	2	–	2	4-6	7-8	2500
	Upper Heyford	13·0	−2	SE	1	cbc	69	65	57	9	2	–	2	4-6	7-8	3500
4	Ross-on-Wye	13·1	0	W	2	bc	67	75	58	8	2	–	1	4-6	4-6	3000
5	Hartland Point	13·3	+8	W'N	3	b-bc	60	85	55	9	1	–	5	2-3	2-3	2000
	Bristol	13·0	−4	S	2	bc	68	65	57	8	2	4	–	4-6	4-6	2500
	Portland Bill	14·1	+2	SW	3	c-bc	62	85	59	8	2	–	–	7-8	7-8	4000
	Plymouth	13·9	−2	SSW	3	bc	63	85	59	8	2	–	2	2-3	4-6	2500
	The Lizard	13·6	0	SW	2	bc	65	65	54	8	1	9	–	2-3	4-6	3500
	Scilly (St. Mary's)	13·3	+2	SE	4	cbc	66	65	54	8	8	4	5	4-6	7-8	1200
	Guernsey															
6	Pembroke	12·9	+4	WSW	3	c/r	60	97	60	7	–	6	–	7-8	9+	2000
7	Holyhead (Valley)	12·1	0	SE'E	4	z₀	63	92	60	6	5	7	–	7-8	9+	1500
	Chester (Sealand)	12·5	−4	E'S	2	z₀	66	85	63	5	5	1	–	7-8	9+	2000
8	Manchester	13·8	−2	ES	4	z₀	64	85	60	6	5	3	–	4-6	7-8	4000
10	Spurn Head	15·9	+4	SE'E	4	z₀	61	92	57	6	5	2	–	4-6	10	1500
	Catterick (So)	16·3	−4	E	1	ir₀	60	92	57	6	5	2	–	7-8	10	1500
	Tynemouth	18·9	−2	E	4	z₀	57	97	56	6	–	2	–	9+	9+	1500
11	St. Abbs Head	18·3	−2	ESE	3	z₀	57	97	56	5	5	–	–	10	10	1500
	Leuchars	19·2	−4	E	4	s/r	59	85	55	6	5	–	–	7-8	10	300
12	Renfrew (Abbots I.)	16·7	−10	ENE	4	c	63	75	56	7	5	7	–	4-6	10	1600
	Eskdalemuir	16·3	−8	NEE	3	ir₀	58	85	53	7	5	1	–	4-6	10	1400
	Point of Ayre	14·1	−8	ESE	4	RR	59	97	58	6	6	2	–	4-6	10	800
13A	Tiree	17·4	−6	E	3	c	61	85	57	9	5	7	–	9	9+	3000
13B	Stornoway	19·0	−8	E	5	c-bc	64	75	55	7	5	7	–	4-6	7-8	6000
15	Dalwhinnie	19·0	−4	ESE	3	c	59	75	50	7	5	–	–	9+	9+	2500
	Aberdeen	21·0	−8	ESE	3	ir₀	57	97	55	6	6	2	–	4-6	10	450
	Wick	22·5	−6	ESE	2	c	57	85	54	7	5	–	–	9+	9+	600
16	Sumburgh	25·3	−8	ENE	3	c	56	92	54	8	5	–	–	9+	9+	1500
17	Blacksod Point	13·5	−2	–	0	r₀r₀	61	92	59	7	6	2	–	4-6	10	1500
18	Malin Head	14·8	−4	E'N	4	ir₀	58	92	56	7	5	–	–	10	10	2500
	Aldergrove	14·5	−6	E'N	3	id₀	59	92	57	5	6	2	–	9+	10	1100
19	Birr Castle	12·2	−2	ENE	2	c	67	75	59	8	8	7	–	7-8	9	1500
20	Valentia Obsy.	13·3	+2	W	3	bc	60	75	52	9	2	–	3	1	4-6	2500
	Roches Point	13·1	+2	SSW	2	bcf	56	97	55	2	–	–	5	0	4-6	–

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	°F. Temp. (21)	% Humid. (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	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. 11th (39)	13h.–18h. 11th (40)	18h 11th to 1h 12th (41)	1h.–7h. 12th (42)
London (Kew)	12·8	−4	SSW	2	c	68	75	60	8	8	–	6	4-6	9+	2500	1	*	bccbcm₀	bcyc	cbcw	bccm₀w
Croydon	14·0	0	SSE	2	c	68	75	61	8	5	4	2	Tr	9	2500	1	*	cfcm₀c	bcbcyc	bcm₀fgw	bcm₀wfe
S. Farnborough	12·8	−4	SSW	1	bc	67	75	59	8	–	7	6	0	9	–	0	*	ccy	cbcybcc	cbcm₀bcbm₀b	m₀ofwid₀f
Boscombe Down	13·3	0	S	1	c-bc	62	85	57	8	1	7	8	Tr	7-8	3000	0	*	bccbcy	bcycc	bbccwfg	cm₀wf
Thorney Island	13·3	−10	S'W	1	c	63	85	57	9	2	3	2	Tr	9	2500	0	*	cbc	c	bcc	bwcw
Lympne	13·8	−6	SE	1	c-bc	63	85	59	8	–	5	3	0	7-8	–	0	3	cm₀bcm₀	bc	cbcwf	bcf oid₀
Manston	13·5	−6	–	0	c-bc	66	85	62	6	4	–	6	2-3	7-8	1500	0	*	cmz₀	czbc	bcfw	bcfe fecm
Shoeburyness	14·2	−2	ENE	4	z₀	66	92	63	6	5	4	1	4-6	7-8	2500	0	*	om₀cbcm	bczm₀	cm₀	oid₀m₀
Felixstowe	14·7	−2	E	3	z₀	63	92	61	5	5	–	–	10	10	1500	0	2	om₀	cm₀om₀	om₀	oid₀mcm
Gorleston	14·4	+10	ESE	1	z₀	62	92	59	6	5	–	–	10	10	800	0	2	coz₀	czz₀	cz₀	cz₀z₀
Mildenhall	13·7	−2	E'S	2	z₀	65	92	62	6	5	–	2	2-3	4-6	1500	0	*	cifcm₀	cm₀bcm₀	cmcfid₀	cfid₀d₀
Cranwell	13·9	0	E	3	z₀	62	97	61	6	5	–	–	10	10	600	1	*	cid₀mm₀	cm₀	cfid₀cf	cfcmcf
Birmingham	12·6	0	S	1	bc	68	65	56	8	2	–	1	2-3	4-6	2500	1	*	ombc	bc	bcc	co ofcr₀w
Upper Heyford	12·4	0	SSW	2	c	70	55	55	9	2	6	6	2-3	9	4000	0	*	cm₀bcc	cbcy	cbcm₀	bmfwf
Ross-on-Wye	12·3	−8	SW	1	b-bc	69	65	55	8	4	–	5	Tr	2-3	4000	1	*	bccbc	bc	bc	
Hartland Point	12·2	−6	N	1	bc	58	92	56	9	1	–	5	Tr	4-6	2000	0	3	bccir₀	cbc	bcc	cbccl
Bristol	12·8	0	WNW	1	c	66	75	58	8	4	–	6	1	9	4000	1	*	bcbc	bcbcy	bcm₀wbcm	cifm₀bcm₀
Portland Bill	12·6	−4	S	3	c	62	85	59	8	5	–	–	10	10	4000	1	4	c	cc	c	c
Plymouth	12·8	−6	SSW	2	c-bc	60	92	57	8	8	4	3	1	7-8	2500	0	2	cbc	bcc	bccbcb	bccir₀
The Lizard	11·9	−10	ESE	2	c-bc	60	85	56	8	5	9	–	7-8	7-8	3000	0	3	bc	bcc	c	bcprc
Scilly (St. Mary's)	11·4	−10	SE	2	c	61	97	60	8	5	4	–	2-3	9+	1200	0	2	bcc	cbcc	cw	cir₀
Guernsey																					
Pembroke	12·0	−2	SSW	2	bc	59	85	55	8	2	4	1	4-6	4-6	2000	1	3	crsr₀	cbc	bcw	bccw
Holyhead (Valley)	12·2	−2	S	1	b	61	85	57	8	8	4	–	Tr	1	2000	1	2	cm₀	cm₀bc	bcifw	bfw
Chester (Sealand)	11·9	−2	–	0	bc	69	75	59	8	2	–	–	4-6	4-6	3000	1	*	crrm₀	cm₀bcz₀	b, comf	cfd₀d₀m
Manchester	13·2	+4	E	3	PR	61	92	60	6	9	6	–	7-8	7-8	2500	1	*	iriRir₀	prpRcm₀	pr₀bcm₀	bccm₀w
Spurn Head	15·3	−2	E'S	4	z₀	59	97	58	6	5	2	–	7-8	10	1500	0	2	cm₀	cm₀	cm₀	cm₀
Catterick (So)	16·0	0	ENE	1	r₀r₀	58	97	58	5	6	2	–	9	10	800	1	*	crr₀m₀cm₀	cr₀r₀m₀	cr₀r₀mcm	cm₀fcm
Tynemouth	17·8	−4	E	4	z₀	56	97	55	6	8	–	–	9+	9+	1500	1	3	cm₀ir₀	cm₀	cm₀c	com₀
St. Abbs Head	17·1	−6	E	3	r₀r₀	56	97	56	5	5	–	–	10	10	1000	0	4	cmfcm	cmfr₀	od₀om₀	om₀of
Leuchars	18·2	−4	E	3	z₀	58	97	56	6	5	–	–	10	10	300	0	*	cm₀ir₀	cm₀	cir₀m₀	cir₀m₀
Renfrew (Abbots I.)	16·0	0	ENE	3	z₀	60	85	57	6	5	2	–	7-8	10	2000	1	*	cir₀m₀c	cm₀r₀m₀c	cr₀r₀m₀	cm₀cir₀m₀
Eskdalemuir	15·9	−2	NE	2	c	56	85	51	7	5	7	–	9	10	1400	1	*	cir₀m₀	circ	cpr₀	cm₀
Point of Ayre	12·8	0	SE	3	ir₀	60	92	57	7	6	7	–	4-6	10	800	1	4	cRR	cir₀	cir₀PR	c.
Tiree	16·2	−2	NE'E	2	c	61	92	58	8	5	7	–	9	10	6000	0	2	cd₀d₀c	c	c	cid₀
Stornoway	17·7	−2	E	5	c	59	85	54	7	5	7	–	7-8	9	5000	0	3	bbc	c	cbbw	bbcwcir₀c
Dalwhinnie	17·0	−4	S	3	c	56	75	49	7	5	7	–	7-8	9+	2500	0	*	c	cpr₀	*	coid₀c
Aberdeen	19·8	−4	ESE	3	z₀	57	92	55	6	5	–	–	10	10	450	1	3	cm₀ir₀	cir₀m₀	cm₀	cm₀cw
Wick	20·9	−12	ESE	2	z₀	56	97	56	6	5	–	–	10	10	400	0	*	cm₀	ccm₀	cm	cmcm₀
Sumburgh	23·7	−8	ENE	4	c-bc	55	97	55	8	5	–	–	7-8	7-8	1200	0	2	bccpr₀	cbc	bccw	cwcbcc
Blacksod Point	12·9	−2	–	0	ir₀	59	97	58	7	6	2	–	4-6	10	1500	1	1	r	r	c	c
Malin Head	14·0	−4	E'S	3	ir₀	58	92	56	7	5	–	–	10	10	1500	2	2	r	r	r	c
Aldergrove	13·0	−10	E'N	3	z₀	57	92	55	5	6	2	–	7-8	10	800	1	*	cm₀id₀m₀	d₀d₀r₀r₀m₀	cir₀cm₀	cm
Birr Castle	10·9	−10	NNE	1	c-bc	65	85	60	8	5	–	–	4-6	7-8	2500	1	*	r	c	*	c
Valentia Obsy.	12·2	−6	NW	2	b	60	75	52	9	1	–	3	Tr	1	4000	1	1	bc	b	b	bc
Roches Point	11·4	−12	SSW	3	b-bc	61	85	56	8	2	4	–	1	2-3	2500	1	3	f	f	bc	bc

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Moderate east winds, fair at first, but much cloud persisting on East coast; thundery rain or thunderstorms spreading from southwest later; close.
5 S.W. England, 6 South Wales	Moderate to fresh east winds; cloudy with occasional thundery rain or thunderstorms, close.
7 North Wales, 8 N.W. England, 9 N. Midlands	As 1-4.
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 southeast or east winds, dull with slight local rain or drizzle; rather cool.
16 Orkneys and Shetlands	As 10-15
17 N.W. Ireland, 18 N.E. Ireland	Light to moderate east winds; fair at first, thundery rain or thunderstorms spreading from South later; close
19 S.E. Ireland, 20 S.W. Ireland	As 5

GENERAL INFERENCE

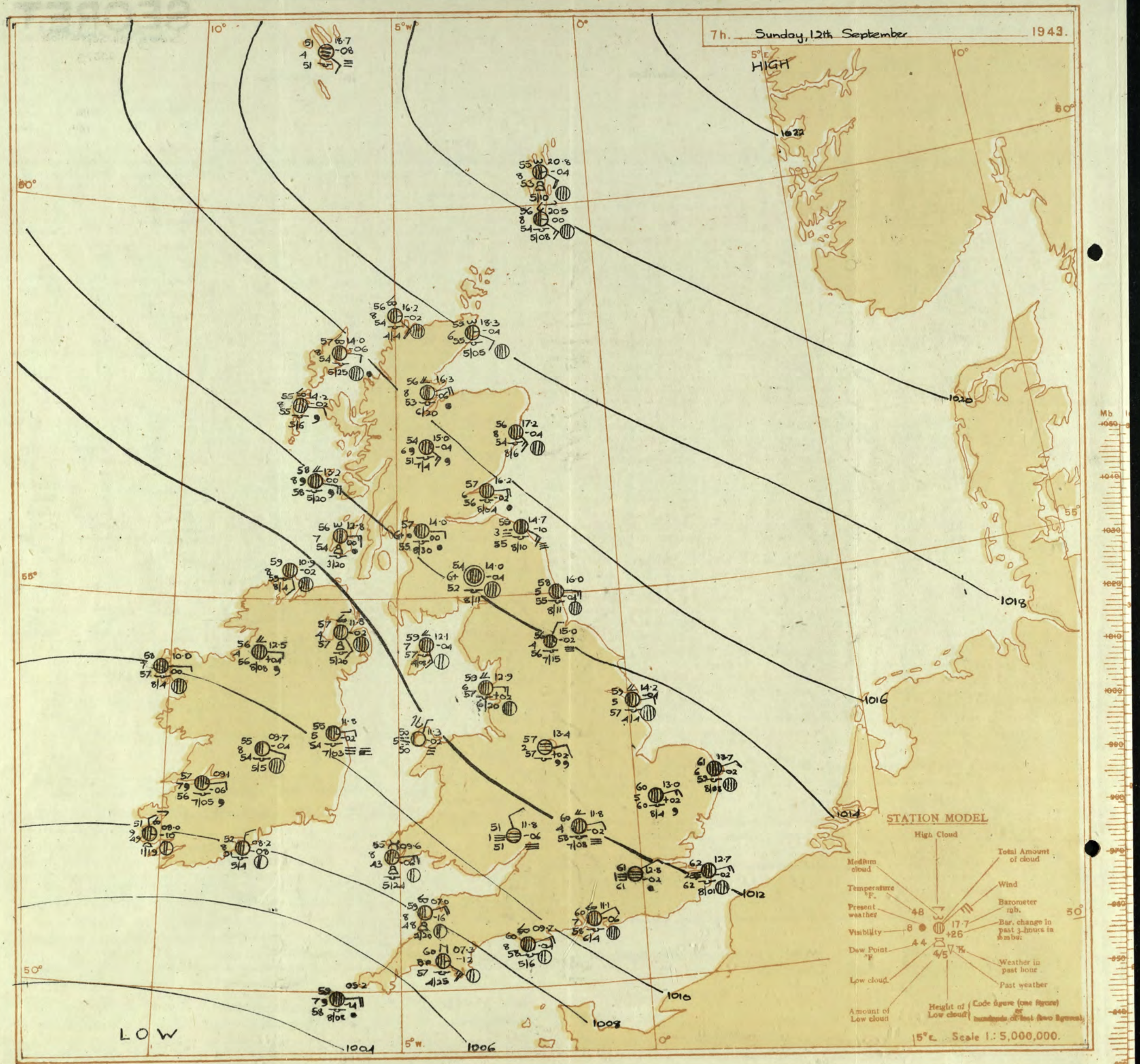
A depression centred off Northwest Spain is moving slowly Northeast. It will be generally unsettled and in most districts it will be close; in Scotland there will be slight local rain or drizzle, but rather general thundery rain or thunderstorms will spread from Southwest over a large part of England, Wales and Southern Ireland.

FURTHER OUTLOOK

Easterly winds; generally cloudy with occasional thundery rain or thunderstorms in most 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 coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

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

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

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Sunday 12th September 1943

No. 29879

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

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	14.3	-2	SSW	1	Zo	56	97	56	6	5	8	-	4-6	7-8	4000
	S. Farnborough	226	12.6	-12	-	0	Zo	53	97	52	5	-	7	1	0	2-3	-
	Boscombe Down	417	13.0	-6	-	0	fg	54	97	53	6	-	3	6	0	7-8	-
	Thorney Island	10	12.6	-10	NE	1	c	55	97	54	8	-	3	-	0	9+	-
	Lympne	283	13.5	-8	N'E	1	b-bcf	56	97	56	3	-	-	6	0	2-3	-
	Manston	154	13.5	-4	-	0	bcF-	56	97	56	1	-	7	-	0	4-6	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	13.9	-10	N'W	1	Zo	62	92	60	5	5	-	-	10	10	800
	Gorleston	5	13.8	-8	-	0	Zo	61	92	59	6	5	-	-	10	10	1000
	Mildenhall	15	14.1	-4	-	0	df	61	97	60	3	5	-	-	10	10	700
	Cranwell	203	13.8	-6	E'S	2	cf-	59	97	59	3	5	-	-	9	9	800
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13.5	+2	ENE	1	fg	56	92	55	6	-	-	2	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10.8	-12	ENE	3	cbc	57	85	51	8	5	4	-	4-6	7-8	2500
	Bristol	209	12.4	-10	-	0	if	51	97	50	5	-	7	2	0	7-8	-
	Portland Bill	32	11.2	-12	N	4	cbc	59	85	55	8	2	4	-	4-6	7-8	4000
	Plymouth	86	10.8	-16	E'N	2	cbc	53	97	53	6	5	5	-	Tr	7-8	2500
	The Lizard	240	09.8	-16	E	4	cbc	57	92	55	7	5	8	-	7-8	7-8	2000
	Scilly (St. Mary's)	163	09.5	-14	NE	4	c	57	92	55	8	5	7	-	2-3	10	1500
	Guernsey	175															
6	Pembroke	142	12.4	-6	E'N	3	bc	53	97	53	8	8	4	-	4-6	4-6	2500
7	Holyhead (Valley)	32	12.5	-8	NNE	1	Zo	54	97	54	6	-	3	-	0	4-6	-
	Chester (Sealand)	16	12.7	-2	E	1	of	61	92	59	3	5	-	-	10	10	900
8	Manchester	230	13.4	-2	E	3	Zo	59	97	57	6	5	-	-	4-6	4-6	1000
10	Spurn Head	29	15.3	-2	E	3	Zo	59	97	59	5	5	2	-	4-6	10	1500
	Catterick (Sc)	192	15.8	-8	ENE	1	Zo	57	97	57	5	5	2	-	7-8	10	1100
	Tynemouth	108	17.6	-4	E	3	c	56	97	56	7	8	-	-	10	10	1500
11	St. Abbs Head	280	16.2	-12	E	3	o	55	97	55	5	5	-	-	10	10	800
	Leuchars	36	17.4	-6	ESE	3	c/r	57	97	56	5	5	-	-	4-6	10	300
12	Renfrew (Abbots I.)	19	15.1	-4	SSE	3	Zo	57	92	55	6	5	2	-	7-8	10	1400
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	13.3	0	S	3	c	60	92	57	7	6	2	-	9	10	800
13A	Tiree	44	13.6	-20	E'N	3	cbc	58	97	57	8	5	-	-	7-8	7-8	5000
13B	Stornoway	12	15.9	-10	E	4	b	56	92	54	8	1	-	-	Tr	Tr	4000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	19.0	-6	SE	4	c/r	55	97	55	4	5	-	-	10	10	300
	Wick	114	19.6	-8	ESE	2	m	55	97	55	4	5	-	-	10	10	600
16	Sumburgh	19	21.6	-14	E	4	c	56	97	55	7	5	-	-	9+	9+	900
17	Blacksod Point	18	11.2	-14	-	0	c	58	97	58	7	5	-	-	9+	9+	1500
18	Malin Head	84	11.9	-14	E'N	4	o/d	58	92	56	8	5	-	-	10	10	1500
	Aldergrove	268	12.5	-12	ESE	1	m	58	97	56	4	5	4	-	4-6	4-6	800
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10.4	-18	NE'E	2	b	49	97	48	9	-	4	-	0	Tr	-
	Roches Point	22	11.0	-10	ENE	2	bc	53	97	52	8	5	-	5	2-3	4-6	2500

OBSERVATIONS at 7 hr. G.M.T. 12th September — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0-12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0-9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0-10 (28)	Cloud Amount Total 0-10 (29)	Height of Base (feet) (30)	State of Ground 0-9 (31)	Sea 0-9 (32)	Temperature Max. Day 7h-18h °F. (33)	Temperature Min. Night 18h-7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h-18h mm. (36)	Rainfall Night 18h-7h mm. (37)	Sunshine 11th Hrs. (38)
London (Kew)	11.6	+4	ENE	2	Zo	62	92	60	5	5	-	-	10	10	2500	1	*	74	57	47	-	-	7.4
Croydon	12.8	-2	NE	1	f-	61	97	61	3	-	-	-	10	10	<150	1	*	77	54	50	Tr	Tr	7.2
S. Farnborough	11.7	0	E'N	2	df	59	97	59	3	5	-	-	10	10	100	1	*	75	51	43	-	Tr	7.8
Boscombe Down	11.9	0	E	3	m	57	97	56	4	5	-	-	10	10	100	1	*	71	52	49	-	Tr	7.1
Thorney Island	11.1	-6	NE	2	c	60	92	58	7	5	7	-	9	10	1500	1	*	69	53	47	-	-	*
Lympne	11.0	-6	N'E	3	m/f	61	97	60	4	5	-	-	10	10	200	1	3	*	54	50	-	Tr	6.8
Manston	12.7	-2	ENE	3	df	62	97	62	2	5	-	-	10	10	100	1	*	73	54	49	-	Tr	4.4
Shoeburyness	13.3	-2	E'N	2	Zo	63	92	60	5	5	-	-	10	10	1500	1	*	71	58	53	-	Tr	6.2
Felixstowe	13.3	+4	NE	2	m	63	92	61	4	5	-	-	7-8	9+	800	0	2	69	61	61	-	Tr	0.4
Gorleston	13.7	-2	E'N	2	Zo	61	92	59	6	5	-	-	10	10	800	0	3	63	60	60	0.4	-	0.3
Mildenhall	13.0	+2	E'N	3	Zo	60	97	60	5	5	-	-	10	10	1500	1	*	69	60	57	Tr	1	2.0
Cranwell	13.2	0	E	2	of	58	97	58	3	5	-	-	10	10	700	1	*	64	57	57	Tr	0.1	0.4
Birmingham	12.7	0	ESE	2	Zo	60	92	58	5	6	-	-	10	10	450	1	*	71	59	44	-	-	5.5
Upper Heyford	11.8	-2	E'N	2	m	60	92	58	4	5	2	-	9+	10	800	0	*	74	55	49	-	-	*
Ross-on-Wye	11.8	-6	N'W	2	F	51	97	51	1	-	-	-	10	10	<150	1	*	71	49	45	-	Tr	8.1
Hartland Point	07.0	-16	NE	4	cbc	59	65	48	8	2	7	-	1	7-8	2000	0	4	63	55	53	0.3	-	6.0
Bristol	11.4	-2	SE	1	Zo	52	97	52	6	4	7	8	Tr	9+	2500	1	*	72	47	41	-	-	6.5
Portland Bill	09.7	-4	NE	4	c	60	92	58	8	5	7	-	7-8	10	4000	1	4	63	57	*	-	-	*
Plymouth	07.3	-12	ESE	5	i/o	60	85	57	8	5	8	-	4-6	9	2500	0	4	64	52	46	-	Tr	8.6
The Lizard	05.3	-20	ENE	5	cbc/pr	60	92	58	7	5	-	-	7-8	7-8	1500	1	4	66	56	*	-	0.5	3.5
Scilly (St. Mary's)	05.2	-14	E	4	ido	59	92	58	7	5	-	-	10	10	800	1	4	67	56	*	-	Tr	8.3
Guernsey																							
Pembroke	09.6	-6	E'N	3	c	55	92	53	8	8	6	-	7-8	9+	2400	1	2	62	51	*	0.2	Tr	3.1
Holyhead (Valley)	11.3	-2	NNE	1	if	50	97	50	5	-	4	4	0	2-3	-	1	1	67	47	42	0.2	-	*
Chester (Sealand)	12.1	0	ESE	1	m	61	85	58	4	5	7	-	7-8	9+	2300	1	*	64	58	47	0.5	Tr	3.8
Manchester	12.8	+2	E	3	Zo	59	92	57	6	5	3	-	7-8	9+	1200	1	*	67	57	52	7	0.5	*
Spurn Head	14.2	-4	E'N	2	Zo	59	92	57	5	5	2	-	4-6	10	1500	0	3	61	58	*	Tr	-	0.0
Catterick (Sc)	15.0	-2	NNE	1	m	56	97	56	4	5	-	-	9+	9+	1500	1	*	62	56	55	2	0.5	0.0
Tynemouth	16.0	-4	E	3	Zo	58	97	55	5	5	-	-	10	10	1100	1	3	59	55	54	Tr	-	*
St. Abbs Head	14.7	-10	ESE	3	of	55	97	55	3	5	-	-	10	10	1000	1	3	57	54	*	Tr	0.3	
Leuchars	16.2	-2	E	4	Zo	57	97	56	6	5	-	-	10	10	400	1	*	61	58		0.3	0.2	0.7
Renfrew (Abbots I.)	14.0	0	E	2	i/o	57	92	55	6	5	-	-	10	10	3000	1	*	63	57	53	0.4	0.1	0.0
Eskdalemuir	14.0	-4	-	0	c	54	92	52	6	5	-	-	10	10	1500	1	*	60	52	49	0.2	Tr	0.0
Point of Ayre	12.1	-4	SSE	3	c	59	92	57	7	5	2	-	4-6	10	800	1	3	60	58	*	3	3	0.0
Tiree	13.2	0	ESE	4	Ido	58	97	58	8	5	2	-	7-8	10	2000	1	3	64	56	54	-	0.1	0.4
Stornoway	14.0	-6	ESE	2	c/r	57	92	54	8	5	7	-	7-8	9+	2500	0		71	55	51	3	Tr	7.4
Dalwhinnie	15.5	-4	SE	3	ido	54	92	51	6	5	-	-	9+	9+	1500	1	*	62	52	51	Tr	0.5	0.6
Aberdeen †	17.2	-4	SE	3	c	56	97	54	8	5	-	-	10	10	4000	1	2	58	55	54	Tr	-	0.0
Wick	18.3	-4	ESE	2	Zo	55	97	55	6	5	3	-	7-8	9+	500	0	*	58	54	53	-	-	*
Sumburgh	20.5	0	SE'E	3	c	56	92	54	8	5	4	1	7-8	9	800	0	2	58	55	52	Tr	-	0.2
Blacksod Point	10.0	0	E	1	c	58	97	58	7	5	-	-	10	10	1500	1	1	62	57	*	1	Tr	*
Malin Head	10.9	-2	SSE	2	c	59	85	55	8	5	-	-	10	10	1500	2	2	59	57		0.3	1	0.0
Aldergrove	11.8	-2	SE'S	2	m	57	97	57	4	8	7	1	7-8	7-8	2000	1	*	60	56	53	0.5	0.1	0.0
Birr Castle	09.7	-4	ESE	1	cbc	55	97	55	8	5	-	-	7-8	7-8	2500	1	*	67	50	48		-	1.2
Valentia Obsy.	08.0	-10	NNW	2	c	51	92	48	9	1	7	3	Tr	9	1500	1	1	62	47	41	-	Tr	10.7
Roches Point	08.2	-8	NNE	3	cbc	52	97	52	8	5	-	-	7-8	7-8	1500	1	3	62	50		Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 11th September $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 12th September $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
109	54	02754	10415	57	02747	09428	5-	05538	12328	57	02654	12425
11[illegible]	33	09234	08426	24	02744	08526	23	02754	08425	57	02844	12426
203												
206	52	05636	08428	57	02645	04466	53	02744	04425	52	02856	06468
210	57	02855	08327	26	02854	09326	5-	05666	10326	57	51734	10.28
219	17	02861	11215	57	02872	06327	57	02863	08224	57	02865	08258
220	57	02865	06127	57	02965	06127	57	61855	06367	57	02966	08268
245	53	05665	08367	5-	05638	09328	5-	22625	09468	52	05635	08328
260	53	05534	04425	57	08435	04128	5-	45248	04248	5-	05645	04226
278	52	22755	41468	52	02744	42528	52	02752	02756	5-	02858	10228
279	52	62644	07468	52	22645	07467	53	05553	07515	53	08453	07466
285	62	61626	12568							5-	41428	10448
288	62	61745	07367	5-	57348	04268	62	22536	04168	5-	04556	00028
578	62	61435	10168	62	51535	09168	02	57328	00058	02	08438	08158
301	67	05635	08468	57	05664	08324	62	52655	06268	52	05656	08328
321				5-	05638	08368	5-	05528	06128	5-	41448	08148
29[illegible]	54	21654	10355				--	46109	06219	--	46109	00049
29[illegible]	62	05645	08368	62	05645	00058	5-	08448	08128	52	05536	06127
310												
614	62	08436	06258	5-	05558	06328	5-	43138	06248	5-	47318	06248

III	13h. G.M.T. 11th September $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 12th September $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
38[illegible]	57	05645	16467	03	01890	14212	00	01790	00012	13	04761	00044
384	--	02745	20216	--	05654	00016						
347	74	02655	12326	80	01864	20214	53	47343	08344	53	05535	10327
13[illegible]	5-	05638	11368	5-	51637	10257	--	48309	06259	52	52525	10258
386												
850	80	05645	08226				5-	45228	00048	5-	57328	08258
368	80	01854	20224	20	01862	30114	03	41690	28144	21	05553	07315
379	10	02856	18225	50	02852	16315	07	02790	06115	--	44309	08149
39[illegible]	27	08455	16247	46	08461	10324	5-	08428	08148	5-	45318	04158
38[illegible]	26	02854	20124	27	02862	16126	04	04890	00014	5-	41538	07148
438				54	02833	00015	53	01763	02214	--	48009	04449
43[illegible]	20	02854	20124	07	02890	17126	03	02790	00016	5-	03738	06328
40[illegible]	20	01952	25214	27	02952	02316	55	02865	08426	27	02952	10426

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 12th September
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	bcbcmo	bcyc	cbcwmow
Croydon	cfcmoc	bcbcyc	bcmofgw
Greenwich	cy	cbc⊕cy	bccm
Camden Square	c	c	*
Kensington	bc	bc	*
Hampstead	bcc	bc	eo

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0.2 Time 7-9h 11th. Min. <0.1 Time 11-24h 11th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 13h % Yesterday	Humidity 9h % To-day
Kew	74	57	47	-	-	7.4	*	*
Croydon	77	54	50	Tr	Tr	7.2	*	*
Greenwich	79	60	50	-	-	7.5	46	85
Westminster	78	62	55	—			61	88
Regents Park								
Camden Square	78	61	57	-	-	*	*	87
Kensington	77	60	52	-	Tr		72	87
Hampstead	72	58	56	-	-		*	91

SECRET CANCELLED

Page 1

BRITISH SECTION

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

Monday 13th September 1943

No. 29880

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

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)	09·7	-16	E'S	3	zo	70	75	61	6	5	7	-	7-8	9+	2500
	Croydon	10·7	-14	ENE	3	zo	69	85	64	6	5	7	-	Tr	9+	2000
	S. Farnborough	08·4	-24	E	2	zo	73	75	62	6	7	3	6	1	9	2500
	Boscombe Down	08·6	-20	E	3	zo	69	75	62	6	2	3	3	2-3	7-8	3000
	Thorney Island	08·8	-18	E'N	4	zo	73	75	63	6	-	7	-	0	7-8	—
	Lympne	09·8	-16	NE	3	zo	71	75	63	5	-	3	-	0	7-8	—
	Manston	09·9	-20	NE'N	3	m	65	92	63	4	6	-	2	9	9	300
2	Shoeburyness	11·3	-20	NE'E	4	zo	65	92	63	4	5	-	-	10	10	800
	Felixstowe	11·2	-14	NE'N	3	m	64	92	62	4	5	-	-	10	10	800
	Gorleston	11·9	-14	ENE	2	f	62	92	61	3	-	-	-	10	10	<150
	Mildenhall	10·9	-18	ENE	2	zo	60	65	55	6	5	-	-	9+	9+	1700
	Cranwell	11·7	-10	SSW	2	zo	63	85	58	6	5	-	-	10	10	500
3	Birmingham	10·5	-10	E	3	zo	61	92	59	5	5	-	-	10	10	450
	Upper Heyford	09·8	-18	E'N	3	zo	69	75	59	6	5	7	-	2-3	9	2000
4	Ross-on-Wye	09·1	-20	NE	3	bc	68	75	59	7	1	8	1	4-6	4-6	3000
5	Hartland Point	05·0	-14	E	3	c	63	92	61	7	5	6	7	4-6	10	2500
	Bristol	08·4	-22	NE'E	3	zo	69	75	62	6	5	3	-	9	9+	2000
	Portland Bill	07·3	-22	E	4	o	64	92	62	7	5	-	-	10	10	2500
	Plymouth	04·6	-16	E'S	5	tlro	63	97	63	7	3	8	-	4-6	10	2000
	The Lizard	04·3	-12	ENE	6	o	62	97	62	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	02·6	-14	E'S	5	c	64	92	62	6	5	-	-	9+	9+	1000
	Guernsey															
6	Pembroke	06·3	-16	ESE	5	c-bc	65	85	59	7	1	7	-	1	7-8	2500
7	Holyhead (Valley)	09·4	-10	E	1	c	73	55	56	7	1	8	8	Tr	9	3000
	Chester (Sealand)	11·2	-4	ESE	3	zo	63	85	58	6	5	—	-	10	10	2000
8	Manchester	11·7	-10	SE'S	3	zo	65	85	60	6	5	-	-	9+	9+	2500
10	Spurn Head	13·0	-6	E	3	zo	61	92	59	5	5	-	-	10	10	1500
	Catterick (Sc)	13·9	-8	SE	1	zo	63	85	59	6	5	2	-	4-6	10	1500
	Tynemouth	15·4	-6	SE	2	f	57	97	57	2	5	-	-	10	10	400
11	St. Abbs Head	15·1	-8	E	3	F	56	97	56	1	-	-	-	10	10	<150
	Leuchars	14·9	-10	E	3	zo	58	92	56	6	5	-	-	10	10	400
12	Renfrew (Abbots I.)	13·0	-8	ENE	3	zo	62	85	57	6	5	-	-	4-6	10	1800
	Eskdalemuir	12·7	-10	NE'N	2	c	60	85	55	6	5	-	-	10	10	1100
	Point of Ayre	11·4	-8	SE'S	3	c	64	85	59	7	5	-	4	7-8	9+	2500
13A	Tiree	13·0	-4	SSE	4	o	61	85	58	7	5	7	-	7-8	10	2500
13B	Stornoway	13·4	-4	-	0	c	61	85	55	8	5	7	-	4-6	9	5500
15	Dalwhinnie	14·0	-4	SE	3	c	58	75	49	7	5	-	-	9+	10	1500
	Aberdeen	16·5	-12	ESE	3	c	57	92	54	8	5	-	-	9	9	4000
	Wick	17·4	-2	ESE	3	c/d	57	92	54	8	5	-	-	4-6	9+	900
16	Sumburgh	19·8	-4	ESE	3	bc	59	85	54	8	1	-	2	1	4-6	1500
17	Blacksod Point	08·8	-12	E'S	1	c	64	75	56	8	8	-	-	9	9	1500
18	Malin Head	10·6	-10	ESE	3	bc	59	85	54	6	4	-	-	4-6	4-6	1500
	Aldergrove	10·8	-10	E	3	zo	60	92	58	5	5	-	-	10	10	800
19	Birr Castle	07·9	-14	SSE	1	c	63	75	55	8	5	1	-	7-8	10	2500
20	Valentia Obsy.	05·8	-14	NE'E	4	c	63	75	55	9	5	7	-	2-3	9+	7000
	Roches Point	05·5	-22	E	4	tlr	58	97	57	7	6	2	-	4-6	9+	800

OBSERVATIONS at 18h. G.M.T. 12th September — 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. 12th (39)	Weather 13h.–18h. 12th (40)	Weather 18h. 12th to 1h. 13th (41)	Weather 1h.–7h. 13th (42)
London (Kew)	07·4	-12	E'N	4	zo	67	85	62	5	5	9	9	9	9+	4000	1	*	wcm	cm	TLRkqh	cf
Croydon	08·5	-10	NE'E	2	zo	65	97	63	5	5	-	-	10	10	1000	1	*	ofecm	cm om	ctlrfcmolcm	olbcirocmo
S. Farnborough	06·6	-10	E'N	3	zo	67	85	62	5	8	7	-	4-6	9+	4000	0	*	ofidcmz	czm	cmoprtlrfbcmo	bcmcfmo
Boscombe Down	05·9	-14	E'N	3	zo	67	85	62	6	2	9	-	1	9	4000	0	*	cmom	cm cprcm	cmocbcbmofgw	bmofgwcr
Thorney Island	06·1	-14	E	4	c-bc	75	65	65	6	5	7	1	4-6	7-8	4000	0	*	cm	ccm	cmolpro	bccw
Lympne	07·4	-12	NE	4	m	66	92	63	4	5	3	3	4-6	10	4000	0	[illegible]	ocb cm	bccmcm	cmTLRq	cmotlbccmo
Manston	08·0	-14	NE	4	cf-	63	92	62	3	5	3	-	9	9	100	0	*	oFdcm	cmmif	bcrolctlr	ctlromobc
Shoeburyness	09·9	-14	NE'N	4	of+	63	97	62	3	5	-	-	10	10	800	1	*	omm	omof	fctlrrm	ctlrrmoc
Felixstowe	09·7	-8	NE'N	3	of+	63	97	62	3	5	-	-	10	10	100	0	2	cmomom	omf	cqtlrr	ctlrrc
Gorleston	10·4	-4	E'N	2	F+	62	97	60	1	-	-	-	10	10	<150	0	3	off	offe	ofemcprozo	tlrozo
Mildenhall	09·7	-2	E'N	3	zo	65	92	63	5	5	-	-	10	10	450	0	*	cdcm	cmcircm	omofcftl	cftlzFcmo⊕
Cranwell	10·3	-10	E'N	3	of+	60	97	60	3	5	-	-	10	10	500	1	*	cddmcm	cmm	cfdodocfidof	llr cf
Birmingham	08·7	-10	ENE	3	c/r	64	85	59	5	6	-	-	10	10	800	1	*	oz	ocoiro	oTLR	orof
Upper Heyford	07·2	-12	E'N	3	c/pr	68	85	63	5	5	7	6	7-8	9+	5700	0	*	cddmcm	czprcm	tlrroclm	cmlfc
Ross-on-Wye	05·4	-14	E	2	b	66	85	60	6	6	2	7	9+	9+	2500	1	*	fomcz	bccro	ctlTLR	omf
Hartland Point	01·5	-18	ENE	4	c	66	92	64	6	3	9	-	4-6	10	1000	1	4	irc	cter	tlrbc	cbcc
Bristol	05·6	-16	ENE	3	zo	69	75	62	6	-	8	7	0	9+	—	1	*	cmowbccm	cmcm	cTLRmobcml	bmloFbcf
Portland Bill	04·5	-12	E	4	c	65	85	60	7	5	-	-	10	10	2500	1	4	oo	oc	cbc	cpr
Plymouth	02·2	-16	ESE	5	zo	64	97	64	6	8	2	-	4-6	10	1000	1	4	cirtlr	ctlrm	bcmol	cjf
The Lizard	02·4	-8	E	2	rr	61	97	61	4	5	-	-	10	10	600	1	3	cprc	comrr	ptrbc	bccl
Scilly (St. Mary's)	02·6	+6	SE'S	2	iro	61	97	60	6	5	2	-	9	10	800	1	3	circ	ciro	ciro ob	bcwcir
Guernsey																					
Pembroke	04·1	-10	E	3	tlro	63	97	63	6	8	2	-	7-8	10	2000	1	2	c	ctlrm	cbc	bcomffomo
Holyhead (Valley)	06·3	-10	NE	4	zo	64	85	58	6	5	6	-	2-3	10	3000	1	2	bcczbc	z	rorotlro	cirocfq
Chester (Sealand)	09·2	-8	SE	2	zo	64	85	59	6	5	7	-	4-6	9+	2500	0	*	emiro	cmz	cmotlr	cmoomo
Manchester	09·6	-10	E	4	zo	63	85	56	6	2	8	9	4-6	9+	4000	1	*	cmz	cmz	pRqTLR	TLRqfbcmo
Spurn Head	11·6	-8	E'N	3	m	59	97	58	4	5	2	-	4-6	10	1500	0	3	bdomo	cm	fe	obcm
Catterick (Sc)	12·5	-8	NE	1	of-	61	97	59	3	5	-	-	10	10	700	1	*	cmm	cmof	cidom	tlrff
Tynemouth	13·9	-4	ESE	2	of	57	97	57	3	5	-	-	10	10	2400	1	2	omddmff	ocff	offdodom	omfftlr
St. Abbs Head	12·6	-6	ESE	3	F	55	97	55	0	-	-	-	10	10	<150	1	3	omfo	forF	fomrff	Frf
Leuchars	13·7	-6	ESE	3	o/d	57	97	57	5	5	-	-	10	10	300	1	*	cmomo	oiromctd	como	dodo
Renfrew (Abbots I.)	11·4	-6	ENE	3	zo	61	85	58	6	5	9	-	4-6	9	2000	1	*	ciro m ccm	cmbcmmo	bcmocmo	cmomomorc
Eskdalemuir	11·4	-2	NE'E	2	c-bc	59	85	54	7	5	3	-	7-8	7-8	1800	0	*	cmo	ocmzc	cbcmo	bcrrmoc
Point of Ayre	10·2	-8	SE	3	c	62	85	59	7	5	4	4	4-6	9	2500	0	4	c	c	ciro	rrc
Tiree	11·6	-6	ESE	3	c	60	92	57	7	5	3	-	7-8	10	3000	0	2	bcc	cbcc	bwmo	wmocwmobw
Stornoway	12·2	-4	NE	1	c	58	92	56	8	5	7	-	7-8	9+	5000	0	1	c	c	cbccc	bmobmobw
Dalwhinnie	12·0	-6	SE	2	c	57	85	51	7	5	-	-	9	9	1500	0	*	eid	c	*	cidoo
Aberdeen	15·4	-8	ESE	3	c	56	97	54	6	5	-	-	10	10	2500	1	2	c	cmo	cmo	cwmo
Wick	16·6	+2	SE	3	c-bc	55	97	54	8	5	3	-	4-6	7-8	1000	0	*	cmrdrdc	bc	occmocmo	cofcmcmo
Sumburgh	18·3	-6	E	4	b	55	92	53	9	1	-	2	Tr	1	900	0	2	cbc	bc	bbcc	bcidoc
Blacksod Point	07·7	-4	-	0	c	62	85	57	8	5	4	5	4-6	9+	4000	1	1	c	c	r	r
Malin Head	09·3	-10	SSE	3	c	58	92	56	8	4	-	1	2-3	10	1500	2	3	bc	bc	bc	r
Aldergrove	09·3	-8	ENE	1	zo	60	85	56	5	-	7	-	0	4-6	-	1	*	cmcmo	cm	cmororomo	bbdodocmo
Birr Castle	05·4	+10	SE	2	"c	62	85	57	8	5	2	-	7-8	10	2500	1	*	c	c	*	r
Valentia Obsy.	03·3	-4	E'N	4	iR	58	92	56	7	5	2	-	10	10	2500	1	3	r	d	r	r
Roches Point	03·5	-12	E	5	ir	59	97	58	7	6	2	-	4-6	9+	1500	1	4	tlr	tlr	r	c

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands	Light or moderate southeast wind veering slowly; cloudy; thundery rains or local thunderstorms; local coast fog; rather warm and close
4 W. Midlands, 5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England	Light or moderate east or southeast wind veering slowly; cloudy; thunderstorms or thundery rains; local coast fog; rather warm and close.
9 N. Midlands, 10 N.E. England, 11 S.E. Scotland	Light or moderate east wind; dull; local thundery rain; fog near East coast; cool.
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland	Light or moderate east wind; cloudy; thundery rains and local thunderstorms; rather warm and close.
15 N.E. Scotland	As 9-11
16 Orkneys and Shetlands	As 9-11
17 N.W. Ireland, 18 N.E. Ireland, 19 S.E. Ireland, 20 S.W. Ireland	Light or moderate east to northeast wind backing slowly; cloudy; thunderstorms or thundery rains; rather warm and close.

GENERAL INFERENCE

A depression over the Bay of Biscay is moving slowly north northeast; there will be thundery rains or thunderstorms in most districts; fog will occur near the East coast.

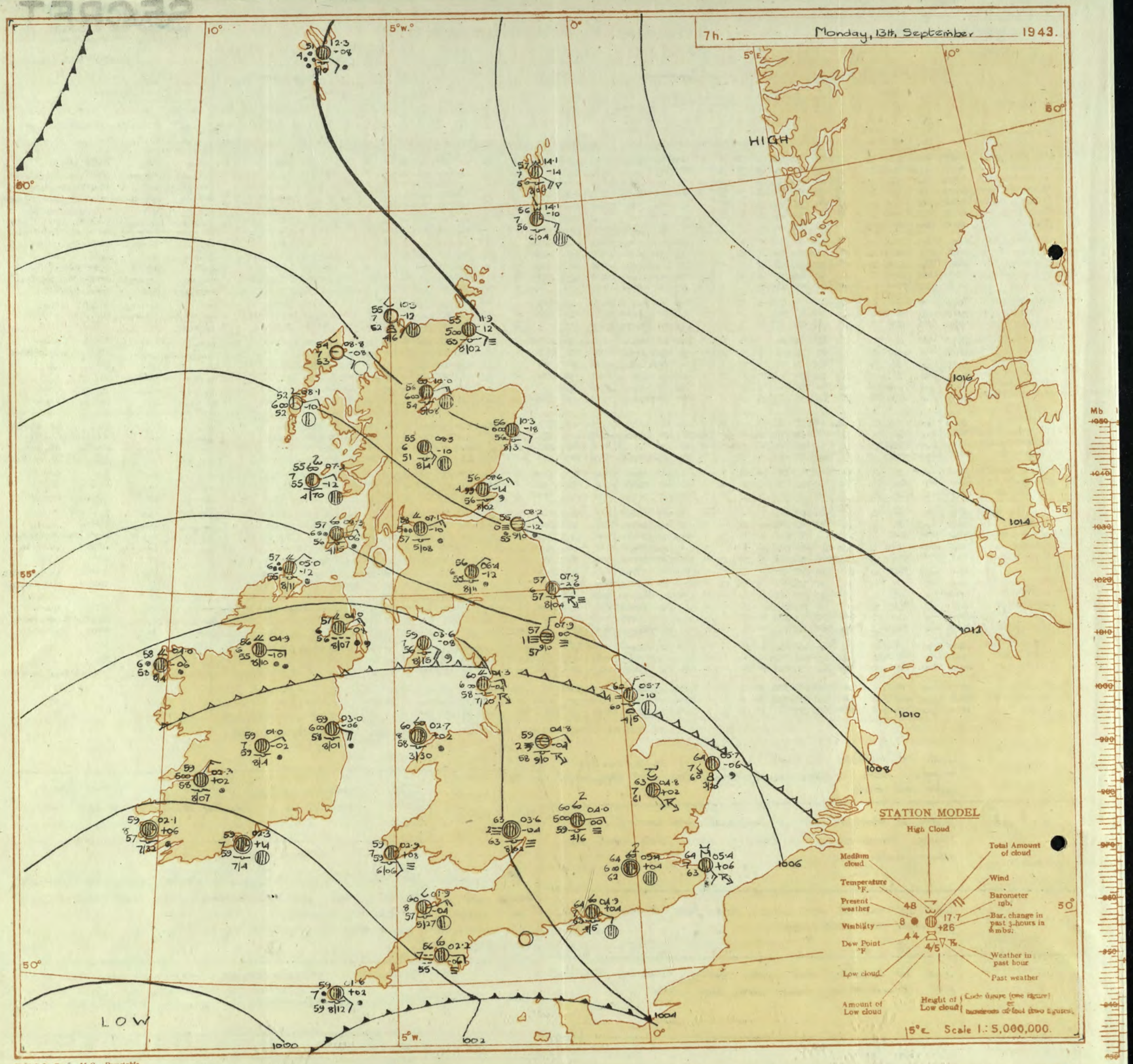
FURTHER OUTLOOK

Local thunderstorms or thundery rains.

Forecasts issued at 10-30

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

7h. Monday, 13th, September 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.

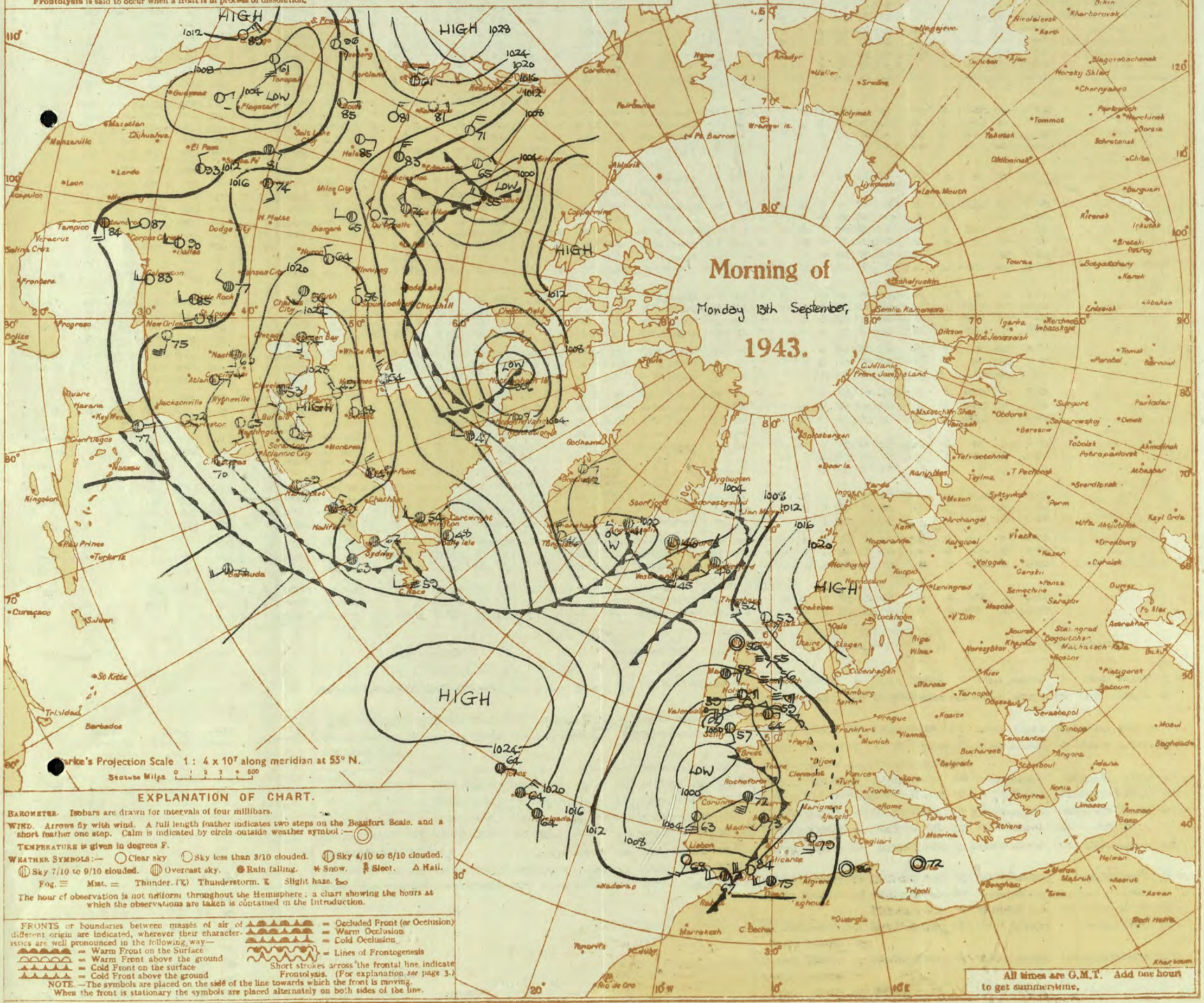
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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 summertime.

BRITISH SECTION

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

Monday 13th September 1943

No. 29380

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

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	*	*	*	*	*	64	*	*	*	*	*	*	*	*	*
	Croydon	290	06·3	−10	E	1	l	64	97	64	6	–	6	2	0	3+	–
	S. Farnborough	226	04·6	−10	E	2	Zo	64	92	62	5	–	7	–	0	7-8	–
	Boscombe Down	417	04·5	−4	–	0	fg	63	97	62	5	–	6	5	0	2-3	–
	Thorney Island	10	05·0	−6	–	0	b-bc	65	85	60	7	–	3	4	0	2-3	–
	Lympne	283	05·9	−8	NW	2	c/TLR	64	97	63	5	9	–	–	7-8	10	700
	Manston	154	06·2	−2	NNW	2	tlg	65	92	64	5	9	–	3	7-8	10	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	08·3	+2	SSW	6	tlr	64	92	62	5	9	–	–	9	10	800
	Gorleston	5	10·0	−12	ESE	3	Zo	63	92	61	5	5	–	–	9	9	1500
	Mildenhall	15	07·3	−6	S'E	3	tlr	63	97	63	3	5	–	–	7-8	10	500
	Cranwell	203	06·1	−24	–	0	tlr	60	97	59	1	5	–	–	10	10	<150
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	04·8	−6	E	2	m/r	63	92	61	4	8	3	–	7-8	9	2000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	02·3	+6	WSW	4	c	61	97	61	7	5	2	–	9	10	1500
	Bristol	209	04·0	−10	–	0	l	62	97	62	4	–	–	1	0	1	–
	Portland Bill	32	05·3	+2	NE	1	bc	63	85	60	7	5	–	–	4-6	4-6	4000
	Plymouth	86	03·5	+6	–	0	Zo	57	97	57	6	5	7	6	2-3	7-8	1500
	The Lizard	240	03·0	+8	–	0	bc	58	97	58	8	4	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	163	02·8	+16	SE	2	bc	57	97	57	7	5	–	5	4-6	4-6	800
	Guernsey	175															
6	Pembroke	142	02·2	0	S	3	bc	61	97	61	7	1	4	–	2-3	4-6	2500
7	Holyhead (Valley)	32	03·6	−14	ENE	5	c/tlr	60	92	58	8	5	7	–	7-8	9+	3500
	Chester (Sealand)	16	06·7	−14	NE'E	3	ct	60	92	58	5	5	2	–	7-8	10	2500
8	Manchester	230	07·5	−6	NNE	3	TLR	59	97	57	2	9	–	–	10	10	1000
10	Spurn Head	29	08·0	−18	E	5	f+	59	97	59	0	–	–	–	10	10	<150
	Catterick (Sc)	192	10·2	−24	NE	1	o/d	57	97	57	5	5	–	–	10	10	1000
	Tynemouth	108	11·4	−16	E	3	m	56	97	56	4	5	–	–	10	10	1500
11	St. Abbs Head	280	10·8	−14	ESE	3	F	55	97	55	1	–	–	–	10	10	<150
	Leuchars	36	11·3	−18	ENE	3	Zo	57	92	55	6	5	–	–	10	10	300
12	Renfrew (Abbots L.)	19	09·4	−16	NE'E	3	Zo	58	97	57	5	5	–	–	10	10	1600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	07·6	−6	SE	3	ic	59	92	57	7	6	–	–	10	10	1500
13A	Tiree	44	09·6	−16	E'N	2	Zo	53	97	53	6	–	–	–	0	0	–
13B	Stornoway	12	10·7	−12	–	0	Zo	56	92	54	6	–	–	–	0	0	–
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	13·2	−16	ESE	2	f+	55	97	55	3	5	–	–	10	10	200
	Wick	114	14·1	−20	ESE	2	Zo	55	97	53	6	5	–	–	10	10	400
16	Sumburgh	19	16·3	−14	E	4	c	55	92	53	8	5	–	–	9	9	3500
17	Blacksod Point	18	05·9	−10	NE	3	o/r	59	97	58	6	5	–	–	10	10	1500
18	Malin Head	84	07·6	−8	E'N	4	c	58	92	56	6	5	–	–	2-3	10	1500
	Aldergrove	268	06·8	−12	ENE	3	ic	57	92	55	6	6	2	–	10	10	1100
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	02·4	−2	E'N	4	RR	59	92	57	7	6	2	–	7-8	10	1500
	Roches Point	22	01·4	−2	E'N	4	o/r	59	97	58	7	6	2	–	4-6	9	1600

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

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)	048	+4	E'N	1	cf	63	97	62	8	5	1	–	4-6	10	2500	1	*
Croydon	054	+4	–	0	Zo	64	92	62	6	–	7	6	0	3+	–	1	*
S. Farnborough	044	−6	SSE	3	c	62	97	61	6	5	2	–	2-3	10	2000	1	*
Boscombe Down	045	0	ESE	1	Zo	59	97	59	6	5	8	8	7-8	10	4000	1	*
Thorney Island	049	+4	E'S	1	c	64	97	63	7	5	7	–	4-6	10	2500	1	*
Lympne	054	+6	E'S	3	Zo	65	97	63	6	5	–	7	4-6	10	4500	0	2
Manston	054	+6	SE	3	c	65	92	63	7	–	8	7	0	10	–	1	*
Shoeburyness	062	+8	SE	1	c/TLR	63	97	62	7	–	9	–	0	3+	–	1	*
Felixstowe	062	+14	ESE	2	c	64	92	61	7	–	7	–	0	3+	–	1	
Gorleston	057	−6	SE'S	2	l	64	85	60	7	2	–	8	2-3	7-8	2000	1	2
Mildenhall	048	+2	SE'S	1	c	63	97	61	7	–	9	8	0	9	–	1	*
Cranwell	054	−4	–	0	of	61	97	61	1	5	–	–	10	10	<150	1	*
Birmingham	048	−2	ESE	1	f	61	97	61	2	–	–	–	10	10	<150	1	*
Upper Heyford	040	0	E	1	Zo	60	97	59	5	5	7	6	1	3+	4000	0	*
Ross-on-Wye	036	−4	–	0	of	63	97	62	2	5	–	–	10	10	200	1	*
Hartland Point	019	−4	ENE	3	c	60	92	57	8	5	4	–	7-8	9	2700	1	4
Bristol	041	+2	S	1	m/f	60	97	60	4	5	3	2	4-6	4-6	4000	1	*
Portland Bill	045	−6	NE	2	pr	63	85	60	7	5	–	–	10	10	4000	1	4
Plymouth	022	−6	E	2	if	56	97	55	7	–	7	–	0	7-8	–	1	1
The Lizard	019	−8	ENE	2	c	59	97	59	7	5	3	–	7-8	9+	2000	1	3
Scilly (St. Mary's)	016	+2	SE	2	ir	59	97	59	7	5	–	–	10	10	1200	0	2
Pembroke	029	+8	SSE	2	c	59	97	59	7	5	–	–	9	9	600	1	2
Holyhead (Valley)	027	+2	–	0	c	60	92	58	8	5	7	6	2-3	3+	3000	1	3
Chester (Sealand)	050	−4	SE	2	Zo	61	92	59	5	5	–	–	10	10	800	1	*
Manchester	047	−10	NNE	1	Zo	58	97	58	5	4	3	3	2-3	4-6	2000	1	*
Spurn Head	057	−10	NNE	3	m	60	97	60	4	7	3	–	4-6	7-8	2500	1	3
Catterick (Sc)	079	0	N'E	1	F+	57	97	57	1	–	–	–	10	10	<150	1	*
Tynemouth	079	−26	E	2	f	57	97	57	6	5	–	–	10	10	400	1	
St. Abbs Head	082	−12	ENE	2	rf	55	97	55	0	–	–	–	10	10	<150	1	3
Leuchars	086	−14	ENE	3	dodo	56	97	56	4	5	–	–	10	10	200	1	*
Renfrew (Abbots L.)	071	−10	NE'E	3	ro	58	97	57	5	5	2	–	7-8	10	800	1	*
Eskdalemuir	064	−12	NNE	2	c	56	92	55	6	5	–	–	10	10	1100	1	*
Point of Ayre	036	−8	ESE	4	c	58	92	56	7	5	–	–	10	10	1500	1	3
Tiree	072	−12	NE	2	ebc	55	97	55	7	5	7	9	4-6	7-8	7000	1	2
Stornoway	088	−8	SE	2	b	54	92	53	7	–	4	–	0	Tr	–	0	2
Dalwhinnie	080	−10	SSE	3	o	55	85	51	6	5	–	–	10	10	1500	0	*
Aberdeen †	103	−18	ESE	2	Zo	56	97	56	6	5	–	–	10	10	800	1	1
Wick	119	−12	ESE	2	Zo	55	97	55	5	5	–	–	10	10	200	1	*
Sumburgh	141	−10	E'S	3	c	56	97	56	7	5	3	–	9	3+	400	1	3
Blacksod Point	040	−6	NE'E	2	ic	58	97	58	6	–	2	–	10	10	1500	1	4
Malin Head	050	−12	NE'E	4	rr	57	92	55	6	–	2	–	10	10	800	2	3
Aldergrove	040	−8	NE'E	3	o/d	57	97	56	6	6	2	–	10	10	700	1	*
Birr Castle	010	−2	ENE	1	c	59	97	59	7	5	–	–	10	10	1500	1	*
Valentia Obsy.	021	+6	–	0	c	59	92	57	8	5	–	–	9+	9+	3200	1	1
Roches Point	023	+14	–	0	c	59	97	59	7	5	–	–	9+	9+	1500	1	4

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 12th Hrs. (38)
London (Kew)	71	61	53	Tr	19	1·0
Croydon	73	61	57	–	4	2·2
S. Farnborough	75	59	52	Tr	1	2·4
Boscombe Down	73	58	55	0·1	2	3·2
Thorney Island	78	60	54	–	1	*
Lympne	74	61	58	–	6	15·3
Manston	66	62	61	Tr	3	2·9
Shoeburyness	66	58	54	–	22	0·0
Felixstowe	65	61	59	–	11	0·0
Gorleston	63	61	58	–	3	0·0
Mildenhall	71	60	55	–	5	1·6
Cranwell	64	58	53	Tr	8	0·0
Birmingham	67	60	56	Tr	10	1·1
Upper Heyford	71	57	54	0·1	6	*
Ross-on-Wye	69	61	59	Tr	31	1·9
Hartland Point	67	57	55	5	5	0·1
Bristol	72	58	52	Tr	10	1·9
Portland Bill	65	64	*	–	1	*
Plymouth	67	54	46	3	1	0·8
The Lizard	62	57	*	1	4	0·0
Scilly (St. Mary's)	65	55	*	0·6	1	0·1
Pembroke	66	58	*	11	20	1·4
Holyhead (Valley)	73	64	55	–	3	*
Chester (Sealand)	57	59	52	Tr	14	1·3
Manchester	66	63	53	–	16	*
Spurn Head	61	58	*	Tr	12	0·0
Catterick (Sc)	64	56	55	–	13	0·0
Tynemouth	56	56	56	–	7	*
St. Abbs Head	56	55	*	0·2	1	*
Leuchars	59	56	55	0·5	0·1	0·0
Renfrew (Abbots L.)	63	56	53	Tr	1	0·3
Eskdalemuir	62	51	47	–	3	0·0
Point of Ayre	65	59	*	–	7	5·2
Tiree	63	51	46	0·1	–	2·6
Stornoway	63	51	45	–	–	
Dalwhinnie	59	53	49	0·1	Tr	3·6
Aberdeen †	58	55	53	–	–	0·0
Wick	57	54	53	2	–	*
Sumburgh	56	53	48	–	Tr	8·7
Blacksod Point	67	57	*	–	2	*
Malin Head	62	56		–	4	6·4
Aldergrove	63	55		–	6	0·3
Birr Castle	66	58	57	–	13	4·2
Valentia Obsy.	63	57	54	10	16	0·8
Roches Point	60	57		12	17	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

Station	13h. G.M.T. 12th September III	$C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 13th September $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	73	02854	12425	57	01833	12424	5-	02647	11327	5-	05647	10227	
115	54	02854	12327	53	02854	12426	54	02864	12425	24	02764	12224	
203													
206	77	02865	08428	53	02854	08466	53	05644	06327	57	05635	06328	
210	53	02864	12455	5-	02844	12426	5-	02757	08127	5-	05658	09328	
219							03	02890	06215	00	05690	07213	
230	5-	01865	09215	52	02866	09227	53	01661	00014	52	02865	00028	
245	5-	05628	07328	52	05627	0831	5-	05626	06328	5-	57318	05458	
260	5-	08445	08428	57	08445	04225	5-	08435	06228	5-	57338	06358	
278	5-	02857	45127	03	02890	09225	83	25743	09388	52	02855	43568	
279	83	02764	12425	46	02762	08426	57	08435	07516	57	05653	40597	
285													
288	57	05647	08248	5-	05647	07227	5-	51438	04328	53	43253	04144	
576	20	05654	12224	46	05653	0028	02	62448	08268	02	22648	08168	
301	50	05554	08425	07	05590	08425	3-	97643	06498				
321	5-	05638	10228	5-	05628	11061	3-	95108	37468	5-	08448	32198	
299										5-	05645	08115	
296	52	05654	08128	52	05646	10258	5-	51428	06358	5-	05638	04198	
310										--	46108	32399	
614	52	05645	06228	5-	05548	06328	5-	97128	06238	5-	57108	04158	

Station	13h. G.M.T. 12th September III	$C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 13th September $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
388	08	17630	10328	52	05724	06328	58	02763	37496	52	02845	16368	
334													
340	5-	51428	07358	57	05664	08357	33	29742	08495	57	08446	12328	
136	5-	05638	06358	5-	08408	06328	--	67109	04349	03	02790	14215	
336										--	46309	08349	
350	53	05644	06357	57	61563	06427	5-	33225	00098	00	41590	10197	
368	53	05654	07427	57	95555	08398	00	01590	12192	--	48209	08149	
379	53	05654	08325	58	51664	08466	5-	25206	10396	00	47190	14146	
390	5-	05545	08425	07	08490	06227	57	29545	08197	--	46109	04149	
382	23	05662	10387	08	25690	66385	38	04553	09194	57	41442	00047	
438	53	04344	32445	53	08454	02415				67	61698	08218	
430	57	05674	06428	57	05663	05227	53	02741	00015	52	02774	06228	
409	37	02863	11527	52	02654	10428	54	49503	16246	07	09990	00046	

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 (3 = E, 18 = S, 24 = W, 32 = N).

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 13th September
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	wcm	cm	TLRkqf	
Croydon	ofeem	cmcm	dlr,cm	
Greenwich	cm	cm	dlrbcem	Kew 24 hours ending 9h.
Camden Square	c	c	*	Max. Time
Kensington	bcc	cbc	*	0·8 5–7h 13th
Hampstead	bc	bcorR	o	Min. Time
				0·1 7–15h 12th

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	71	61	53	Tr	19	1·0	*	*
Croydon	73	61	57	–	4	2·2	*	*
Greenwich	71	61	53	–	8	2·2	81	93
Westminster	71	63	58	12			79	94
Regents Park	73	61	57	–	12		75	91
Camden Square	73	61	55	–	10	*	*	97
Kensington	72	61	55	–	16		86	95
Hampstead	67	60	57	–	15		*	89

BRITISH SECTION

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

SECRET

Tuesday, 14th September 1943

No. 29881

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

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)	04·8	+8	SSW	3	ir	68	85	64	8	5	7	-	7-8	9+	4000
	Croydon ...	05·5	-2	S	3	c/p	72	75	62	7	5	7	-	4-6	9+	5000
	S. Farnborough	04·5	+10	S	2	c/pr	69	85	65	8	8	6	-	7-8	9	2500
	Boscombe Down	03·5	-2	SW	3	c-bc	73	65	60	8	2	3	-	7-8	7-8	4000
	Thorney Island	04·8	-6	ESE	3	bc/pr	71	75	64	7	8	7	-	2-3	4-6	4000
	Lympne ...	05·9	-2	S'E	2	ir	66	92	63	6	5	2	-	9+	10	2500
	Manston ...	04·6	-12	SSE	3	c/r	67	85	64	6	5	8	-	4-6	9+	3500
	Shoeburyness ...	06·7	-6	SE'E	2	c/r	67	92	65	6	5	3	-	2-3	9+	4000
	Felixstowe ...	04·9	-8	SE	2	z	69	85	65	6	-	7	-	0	9	-
	Gorleston ...	05·3	+2	SE'S	1	o/pr	65	92	63	6	5	-	-	10	10	1900
	Mildenhall ...	04·5	-6	SE	1	c/r	69	85	66	7	5	7	-	7-8	10	4000
	Cranwell ...	04·7	-6	ESE	2	ir	67	97	65	6	5	7	-	7-8	9+	4000
3	Birmingham ...	03·7	-4	SW	2	ir	66	92	64	6	6	7	-	7-8	10	800
	Upper Heyford	03·5	0	SSE	2	pr	70	85	68	7	-	9	-	0	9+	-
4	Ross-on-Wye	02·5	-12	E	2	z	68	92	65	6	5	9	-	2-3	9	1500
5	Hartland Point	01·9	+2	W	3	c-bc/r	61	97	61	7	3	4	-	2-3	7-8	1000
	Bristol ...	02·5	-6	SSE	4	c-bc	72	75	62	8	1	8	-	7-8	7-8	4000
	Portland Bill ...	05·0	+4	E	3	c-bc	65	85	62	8	2	-	-	7-8	7-8	4000
	Plymouth ...	02·5	-2	SW'S	2	b-bc	67	85	62	8	8	7	-	Tr	2-3	3000
	The Lizard ...	02·8	+2	SE	2	bc	66	85	61	8	7	-	-	4-6	4-6	3000
	Scilly (St. Mary's)	02·3	+10	E'S	4	c	63	92	61	8	5	8	3	4-6	9	1200
	Guernsey ...															
6	Pembroke ...	02·9	0	SSE	2	r	61	97	61	5	8	2	-	7-8	10	2000
7	Holyhead (Valley)	03·0	-2	WSW	1	c	63	92	62	7	5	7	-	4-6	10	1500
	Chester (Sealand)	03·2	-6	SE	1	z	65	92	62	6	5	2	-	9	10	800
8	Manchester ...	03·2	-14	ENE	2	z	70	75	63	6	4	9	-	4-6	9+	4000
10	Spurn Head ...	05·2	-6	SE'E	3	r	62	97	61	6	7	2	-	7-8	10	2500
	Catterick (Sc) ...	05·1	-8	ESE	1	id	62	97	61	4	6	-	-	10	10	800
	Tynemouth ...	06·3	-6	S	1	of	58	97	57	2	5	-	-	10	10	600
11	St. Abbs Head	05·4	-18	SE	2	df	58	97	58	0	-	-	-	10	10	<150
	Leuchars ...	05·4	-18	ENE	1	F+	58	97	58	1	5	-	-	10	10	<150
12	Renfrew (Abbots I.)	04·9	-18	ENE	4	z	60	97	60	5	5	2	-	7-8	10	1000
	Eskdalemuir ...	03·7	-20	NE'N	2	c	62	85	59	7	5	-	-	10	10	1100
	Point of Ayre ...	02·9	-12	S'W	3	c	64	85	61	7	5	2	-	7-8	9+	1000
13A	Tiree ...	05·3	-16	NE'E	6	d	57	97	57	4	5	2	-	4-6	10	600
13B	Stornoway ...	05·7	-22	ESE	3	z	60	92	58	6	2	7	-	1	10	1800
15	Dalwhinnie ...	05·5	-12	NNE	1	o	56	97	55	7	5	-	-	10	10	1500
	Aberdeen ...	07·5	-16	ESE	3	RR	57	97	56	6	5	-	-	10	10	220
	Wick ...	09·8	-20	E	1	d	56	97	55	5	5	-	-	10	10	200
16	Sumburgh ...	12·2	-14	ESE	4	ir	57	92	54	7	5	7	-	7-8	10	3000
17	Blacksod Point	13·4	-10	N'E	4	ir	58	97	57	6	-	2	-	10	10	800
18	Malin Head ...	03·1	-18	E	3	dr	57	97	56	6	-	2	-	10	10	800
	Aldergrove ...	02·4	-14	-	0	c	61	92	59	5	5	-	-	10	10	500
19	Birr Castle ...	01·6	0	SW	1	c	63	85	58	7	8	2	-	7-8	10	1500
20	Valentia Obsy.	02·9	+2	NW'N	3	c	63	85	58	8	7	-	-	9	9	3200
	Roches Point	02·9	+4	S'E	1	c-bc	63	92	61	8	2	3	5	2-3	7-8	1500

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

District	Stations	Barom. at M.S.L. mt. (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)	03·7	-2	SW'S	3	b-bc	67	85	61	8	8	-	3	2-3	2-3	4000	1	*
	Croydon ...	04·7	-6	S	3	bc/r	69	85	62	8	2	6	2	1	4-6	3000	0	*
	S. Farnborough	03·9	-4	SW	2	b	69	75	61	8	-	4	3	0	1	-	0	*
	Boscombe Down	03·7	+6	SSW	3	b-bc	66	65	57	9	3	8	-	1	2-3	2500	0	*
	Thorney Island	04·9	+4	SW	3	b-bc	66	97	63	8	2	7	3	Tr	2-3	4000	1	*
	Lympne ...	04·8	-6	ESE	2	pr	65	92	62	6	9	-	-	9	9	2000	1	3
	Manston ...	04·6	-2	SSW	2	c	69	85	64	8	2	9	-	2-3	9	2500	1	*
	Shoeburyness ...	05·1	-4	SSW	2	c	70	85	64	7	9	6	-	4-6	9	4000	1	*
	Felixstowe ...	04·2	-6	SSE	2	z	66	92	63	6	-	9	-	0	9+	-	0	2
	Gorleston ...	03·9	-4	S'E	2	z	65	92	62	6	5	9	-	4-6	7-8	1700	1	2
	Mildenhall ...	03·3	-8	SW	2	bc	72	75	64	7	2	8	8	Tr	4-6	4000	1	*
	Cranwell ...	02·0	-6	SE	2	c-bc	70	85	65	7	3	3	-	2-3	7-8	1500	1	*
3	Birmingham ...	02·1	-6	SW	3	c-bc/p	68	75	60	8	9	-	-	7-8	7-8	2500	1	*
	Upper Heyford	02·0	0	SSW	3	bc	70	75	60	8	2	7	3	2-3	4-6	2500	0	*
4	Ross-on-Wye	02·4	+10	SW'W	2	b	66	85	60	7	2	-	3	1	1	3000	1	*
5	Hartland Point	03·1	+10	WNW	2	bc	63	85	59	8	2	4	-	2-3	4-6	2500	1	3
	Bristol ...	03·3	+14	WSW	2	b	63	85	60	8	3	-	-	1	1	2500	1	*
	Portland Bill ...	05·5	+2	SW	3	bc	64	85	61	8	2	-	-	4-6	4-6	4000	1	4
	Plymouth ...	03·7	+6	SSW	3	b	65	85	60	9	3	4	3	Tr	1	2500	1	1
	The Lizard ...	03·5	+4	SE	3	bc	62	92	59	8	2	9	-	4-6	4-6	2000	1	3
	Scilly (St. Mary's)	02·0	-2	SE'S	4	c	61	92	59	8	5	7	3	4-6	9	1200	1	3
6	Pembroke ...	03·1	-2	S'W	1	z	61	97	61	7	8	3	-	4-6	7-8	2000	1	2
7	Holyhead (Valley)	01·8	-2	SSW	1	c/r	60	92	58	7	5	7	-	4-6	10	1500	1	1
	Chester (Sealand)	01·4	-8	W	1	c/TLR	65	92	63	3	5	2	-	9+	10	1000	1	*
8	Manchester ...	01·1	-14	SSE	4	tlr	63	85	59	6	3	8	3	7-8	9	2000	1	*
10	Spurn Head ...	03·0	-6	SE'E	4	z	62	97	61	6	8	7	2	4-6	9+	1500	1	3
	Catterick (Sc) ...	02·2	-14	—	0	f+	63	97	63	3	-	-	-	10	10	<150	1	*
	Tynemouth ...	03·3	-16	E	2	c/r	57	97	57	3	5	-	-	10	10	1500	1	2
11	St. Abbs Head	03·2	-4	SE	3	F	56	97	56	0	-	-	-	10	10	<150	1	3
	Leuchars ...	02·4	-16	E	1	df	57	97	57	1	-	-	-	10	10	<150	1	*
12	Renfrew (Abbots I.)	02·3	-10	ENE	3	m	62	97	62	4	5	7	-	9	10	900	1	*
	Eskdalemuir ...	00·7	-14	ENE	2	m	62	92	59	4	5	-	-	10	10	400	1	*
	Point of Ayre ...	00·9	-16	—	0	c	63	92	61	7	8	9	-	4-6	9+	2000	0	1
13A	Tiree ...	01·4	-20	NE	1	c	57	97	57	6	5	-	-	10	10	1500	1	2
13B	Stornoway ...	02·0	-20	—	0	dod	57	97	57	4	6	2	-	4-6	10	600	1	1
15	Dalwhinnie ...	02·5	-22	NE	1	c	57	92	54	7	5	-	-	9+	9+	1500	1	*
	Aberdeen ...	03·7	-26	SE	3	rf	57	97	57	2	-	-	-	10	10	<150	1	2
	Wick ...	05·2	-32	ESE	4	df	56	97	55	2	-	-	-	10	10	<150	1	*
16	Sumburgh ...	08·7	-20	ESE	5	ir	56	92	54	6	5	2	-	7-8	10	800	1	4
17	Blacksod Point	02·7	-2	N'W	4	ir	58	97	57	6	6	2	-	4-6	10	1500	1	3
18	Malin Head ...	00·1	-18	E'S	2	F+	58	97	57	1	-	-	-	10	10	<150	2	2
	Aldergrove ...	99·4	-14	—	0	c	61	92	58	6	8	7	-	9	9+	2500	1	*
19	Birr Castle ...	00·8	-4	WSW	1	c	62	85	57	8	8	2	-	7-8	10	1500	1	*
20	Valentia Obsy.	02·7	+2	NNW	3	bc	60	92	58	7	5	-	1	4-6	4-6	3200	1	3
	Roches Point	02·1	-4	S	2	c-bc	60	92	58	8	5	3	5	2-3	7-8	1500	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. (39)	Weather. 13h.—18h. (40)	Weather. 18h.—24h. (41)	Weather. 1h.—7h. (42)
1	London (Kew)	13th	13th	14th	14th
	Croydon ...	[illegible]	[illegible]	[illegible]	[illegible]
	S. Farnborough	[illegible]	[illegible]	[illegible]	[illegible]
	Boscombe Down	[illegible]	[illegible]	[illegible]	[illegible]
	Thorney Island	[illegible]	[illegible]	[illegible]	[illegible]
	Lympne ...	[illegible]	[illegible]	[illegible]	[illegible]
	Manston ...	[illegible]	[illegible]	[illegible]	[illegible]
	Shoeburyness ...	[illegible]	[illegible]	[illegible]	[illegible]
	Felixstowe ...	[illegible]	[illegible]	[illegible]	[illegible]
	Gorleston ...	[illegible]	[illegible]	[illegible]	[illegible]
	Mildenhall ...	[illegible]	[illegible]	[illegible]	[illegible]
	Cranwell ...	[illegible]	[illegible]	[illegible]	[illegible]
3	Birmingham ...	[illegible]	[illegible]	[illegible]	[illegible]
	Upper Heyford	[illegible]	[illegible]	[illegible]	[illegible]
4	Ross-on-Wye	[illegible]	[illegible]	[illegible]	[illegible]
5	Hartland Point	[illegible]	[illegible]	[illegible]	[illegible]
	Bristol ...	[illegible]	[illegible]	[illegible]	[illegible]
	Portland Bill ...	[illegible]	[illegible]	[illegible]	[illegible]
	Plymouth ...	[illegible]	[illegible]	[illegible]	[illegible]
	The Lizard ...	[illegible]	[illegible]	[illegible]	[illegible]
	Scilly (St. Mary's)	[illegible]	[illegible]	[illegible]	[illegible]
6	Pembroke ...	[illegible]	[illegible]	[illegible]	[illegible]
7	Holyhead (Valley)	[illegible]	[illegible]	[illegible]	[illegible]
	Chester (Sealand)	[illegible]	[illegible]	[illegible]	[illegible]
8	Manchester ...	[illegible]	[illegible]	[illegible]	[illegible]
10	Spurn Head ...	[illegible]	[illegible]	[illegible]	[illegible]
	Catterick (Sc) ...	[illegible]	[illegible]	[illegible]	[illegible]
	Tynemouth ...	[illegible]	[illegible]	[illegible]	[illegible]
11	St. Abbs Head	[illegible]	[illegible]	[illegible]	[illegible]
	Leuchars ...	[illegible]	[illegible]	[illegible]	[illegible]
12	Renfrew (Abbots I.)	[illegible]	[illegible]	[illegible]	[illegible]
	Eskdalemuir ...	[illegible]	[illegible]	[illegible]	[illegible]
	Point of Ayre ...	[illegible]	[illegible]	[illegible]	[illegible]
13A	Tiree ...	[illegible]	[illegible]	[illegible]	[illegible]
13B	Stornoway ...	[illegible]	[illegible]	[illegible]	[illegible]
15	Dalwhinnie ...	[illegible]	[illegible]	[illegible]	[illegible]
	Aberdeen ...	[illegible]	[illegible]	[illegible]	[illegible]
	Wick ...	[illegible]	[illegible]	[illegible]	[illegible]
16	Sumburgh ...	[illegible]	[illegible]	[illegible]	[illegible]
17	Blacksod Point	[illegible]	[illegible]	[illegible]	[illegible]
18	Malin Head ...	[illegible]	[illegible]	[illegible]	[illegible]
	Aldergrove ...	[illegible]	[illegible]	[illegible]	[illegible]
19	Birr Castle ...	[illegible]	[illegible]	[illegible]	[illegible]
20	Valentia Obsy.	[illegible]	[illegible]	[illegible]	[illegible]
	Roches Point	[illegible]	[illegible]	[illegible]	[illegible]

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

Districts	Forecasts
1 S.E. England 2 E. England .. 3 E. Midlands ... 4 W. Midlands	Light or moderate south wind veering northwest; thundery rain, local thunderstorms at first, fair later becoming cooler.
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 south wind veering northwest, thundery rains and local thunderstorms at first, bright intervals and local showers later; cool.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate west to northwest wind; bright intervals; showers; local thunder; cool.
16 Orkneys and Shetlands	As 12-15.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate northwest wind backing later; bright intervals; showers; cool.

GENERAL INFERENCE

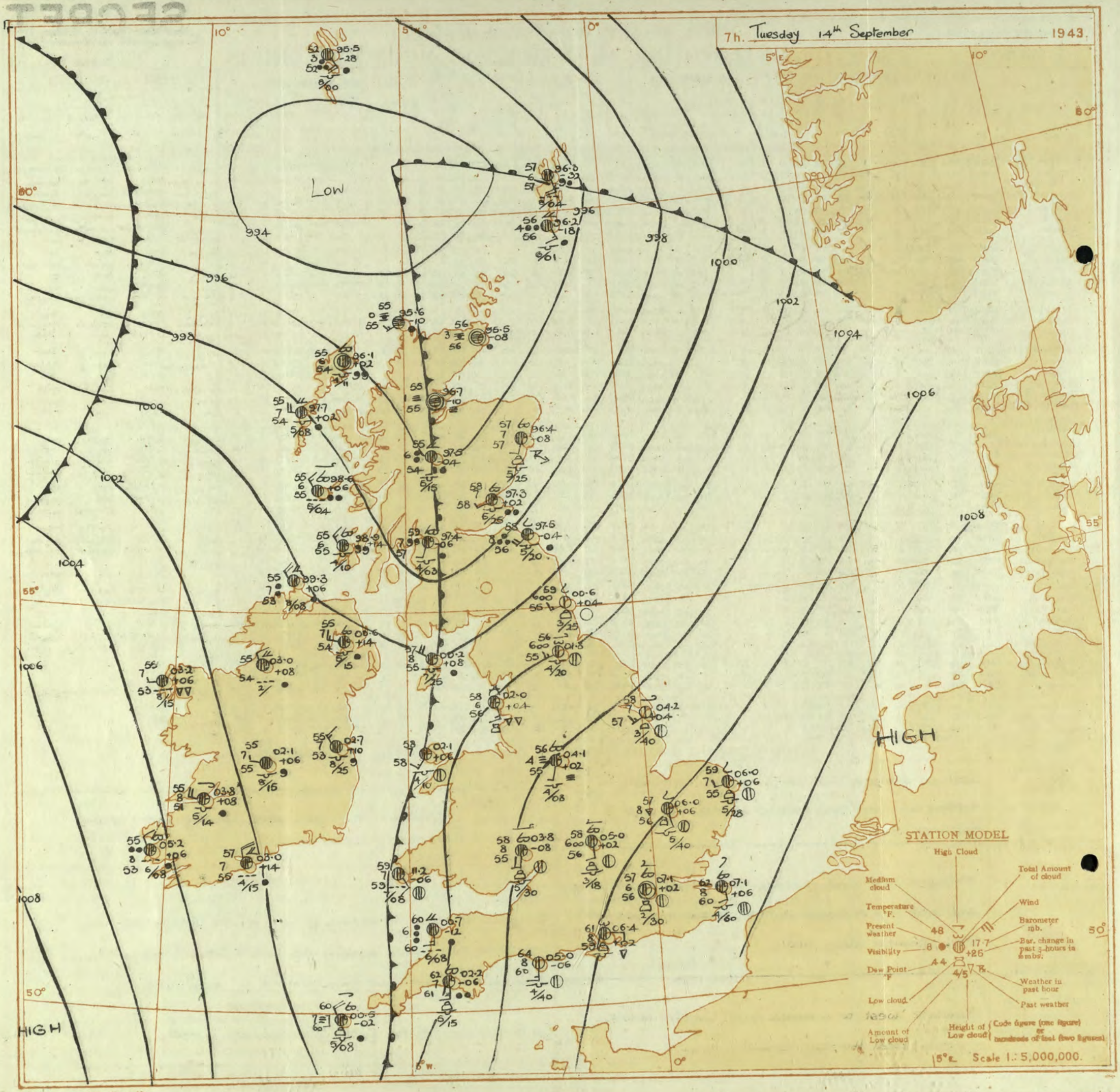
A complex depression is centred to north of the British Isles and associated troughs are crossing the British Isles. There will be occasional rain and local thunderstorms in most districts.

FURTHER OUTLOOK

Rain in the West of the British Isles spreading east.

Forecasts issued at 03a

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).

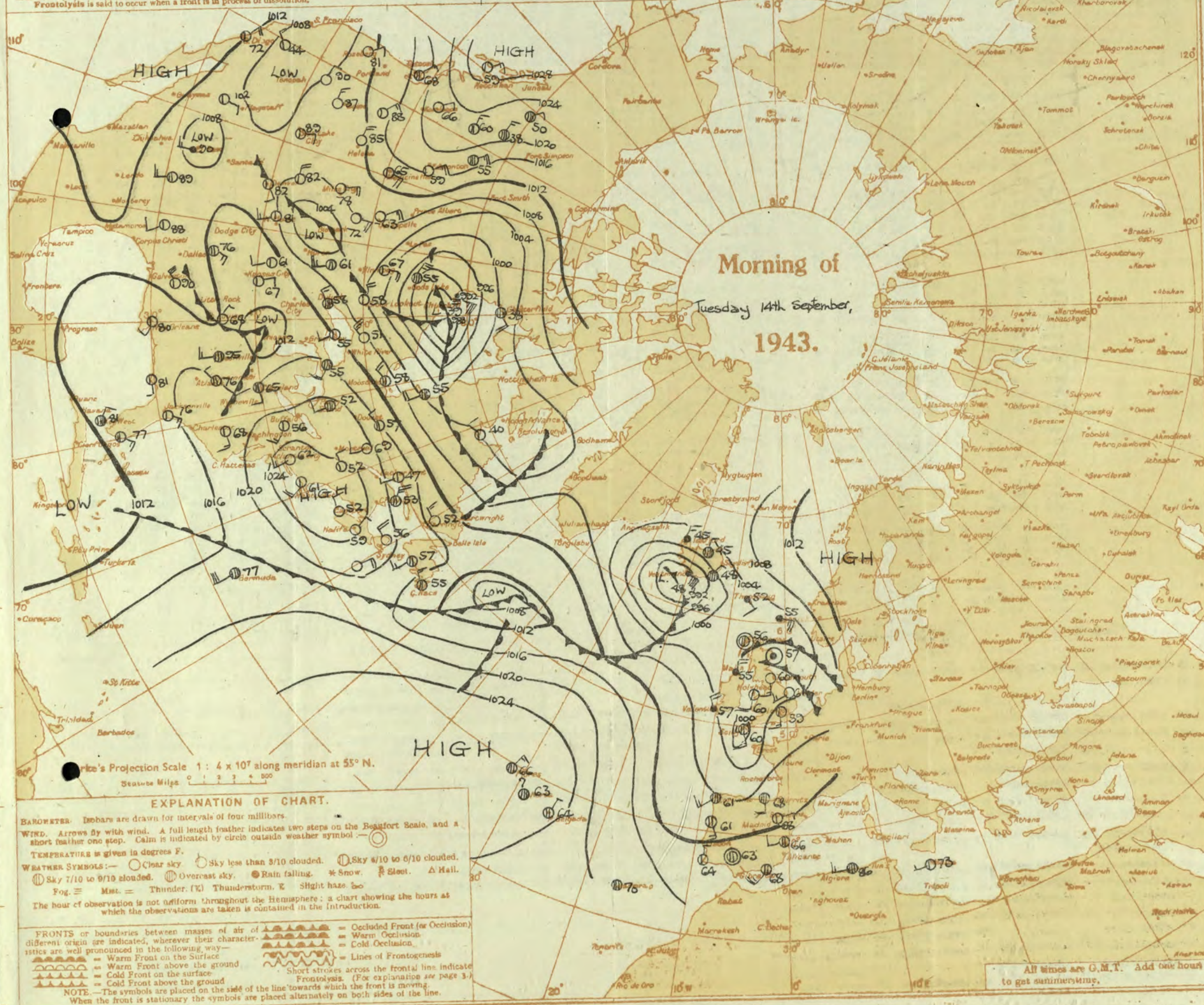
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 summertime.

BRITISH SECTION

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

Tuesday 14th September 1943

No. 29,881

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

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	07·4	+6	S	3	b	59	92	57	7	5	3	-	Tr	1	5000
	S. Farnborough	226	06·4	+2	-	0	b-bc	57	85	54	8	-	4	3	0	2-3	-
	Boscombe Down	417	06·2	+2	S'E	1	fg	54	97	54	6	-	3	-	0	2-3	-
	Thorney Island	10	06·7	-2	ESE	1	z₀	59	97	58	5	5	7	-	Tr	2-3	2500
	Lympne	283	07·4	+4	SSW	1	z₀	60	97	59	6	-	4	9	0	7-8	-
	Manston	154	06·3	+2	SSW	3	bc	60	85	56	7	-	3	-	0	4-6	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	06·3	+6	SW'S	2	b	62	85	58	7	-	7	-	0	Tr	-
	Gorleston	5	04·7	+4	SW'W	2	b-bc	62	85	59	7	-	-	8	0	2-3	-
	Mildenhall	15	05·1	+4	SSW	3	b	60	85	57	8	-	-	1	0	Tr	-
	Cranwell	203	03·9	+6	W'S	3	b	58	97	56	7	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	05·1	+6	SW'S	1	b	57	92	55	7	5	-	1	1	1	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	03·2	-4	S	3	c	59	92	57	8	2	-	7	2-3	9+	2500
	Bristol	209	05·3	+2	S	2	c-bc	56	92	54	8	-	3	-	0	7-8	-
	Portland Bill	32	06·5	+6	SW	3	c	63	85	60	8	5	-	-	10	10	4000
	Plymouth	86	04·2	-8	SE	3	c	59	97	59	8	5	5	-	4-6	9+	3500
	The Lizard	240	02·9	-10	ESE	4	c	61	85	58	8	5	2	-	7-8	9+	2000
	Scilly (St. Mary's)	163	01·7	-6	SSE	3	c	60	97	59	8	8	7	-	9	9+	1200
	Guernsey	175															
6	Pembroke	142	02·9	-4	S'W	4	b-bc	60	97	59	8	2	4	-	1	2-3	2500
7	Holyhead (Valley)	32	02·0	-2	S	5	z₀	59	97	58	6	5	3	1	2-3	7-8	2000
	Chester (Sealand)	16	02·8	+6	SSE	1	z₀	56	92	54	6	7	-	-	2-3	2-3	3000
8	Manchester	230	02·9	+2	S'W	4	c-bc	57	97	55	7	5	3	-	2-3	7-8	2500
10	Spurn Head	29	03·5	+6	SW	3	b	61	85	58	7	-	-	-	0	0	-
	Catterick (Sc)	192	00·9	-6	W	3	bc	59	85	56	8	5	-	-	4-6	4-6	1500
	Tynemouth	108	99·6	-18	S	3	z₀	60	97	60	5	-	-	-	0	0	-
11	St. Abbs Head	280	98·8	-18	SSW	2	c-bc/F	56	92	53	5	5	-	-	7-8	7-8	1500
	Leuchars	36	97·7	-26	-	0	RR	57	97	56	5	5	-	-	10	10	500
12	Renfrew (Abbots I.)	19	98·8	-18	-	0	of	58	97	58	3	5	-	-	10	10	1000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	99·7	-6	W'S	3	rr	60	97	59	7	6	2	-	4-6	10	800
13A	Tiree	44	98·6	-14	N	3	d₀d	55	97	55	4	5	-	-	10	10	1500
13B	Stornoway	12	97·0	-18	-	0	z₀	56	97	56	6	5	-	-	9+	9+	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	98·3	-26	-	0	rf	57	97	57	0	-	-	-	10	10	<150
	Wick	114	99·2	-28	SE	2	rf	55	97	55	2	-	-	-	10	10	<150
16	Sumburgh	19	01·9	-30	ESE	5	ir₀	55	97	55	4	6	2	-	9	10	600
17	Blacksod Point	18	02·7	0	WNW	3	id₀	55	97	54	7	6	2	-	4-6	10	1500
18	Malin Head	84	98·2	-6	N'E	4	Dr	55	97	54	6	-	2	-	10	10	800
	Aldergrove	268	98·8	-10	SW	2	z₀	59	92	58	6	5	-	-	4-6	10	900
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	04·5	+6	NNW	4	ir₀	57	92	55	6	5	2	-	7-8	10	900
	Roches Point	22	02·4	0	NW	4	ir	57	97	56	7	6	2	-	4-6	9+	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 13th Hrs. (38)
London (Kew)	05·9	-2	-	0	z₀	59	97	58	5	3	-	1	1	2-3	2500	1	*	72	55	45	0·6	Tr	1·8
Croydon	07·1	+2	-	0	bcjp	57	97	56	6	3	7	5	1	4-6	3000	0	*	76	55	51	0·1	Tr	2·7
S. Farnborough	06·2	+2	SSE	2	c-bc/F	59	97	59	5	8	7	-	4-6	7-8	800	1	*	74	56	47	1	5	3·6
Boscombe Down	05·6	-2	SE	2	z₀	58	97	58	6	2	3	-	4-6	7-8	2500	1	*	73	53	47	(Tr)	1	6·7
Thorney Island	06·4	+2	E	2	fg	61	92	55	8	8	5	3	4-6	7-8	3000	1	*	72	56	50	9	Tr	*
Lympne	07·7	+8	SSE	2	m	61	97	61	4	5	-	-	10	10	400	1	2	71	57	57	1	0·3	1·8
Manston	07·1	+6	SSE	2	c	62	92	60	8	5	7	6	4-6	9+	6000	0	*	73	58	53	1	0·6	1·4
Shoeburyness	07·3	+10	SE	2	c-bc	63	92	60	8	8	9	-	2-3	7-8	4000	1	*	75	59	51	0·3	-	[illegible]
Felixstowe	07·3	+8	SSE	2	c-bc/pr	62	92	60	7	8	7	5	4-6	7-8	5700	0	2	72	58	52	Tr	Tr	[illegible]
Gorleston	06·0	+6	WSW	2	c	59	85	55	7	8	4	-	7-8	9	2800	1	2	70	57	51	0·3	-	1·7
Mildenhall	06·0	+6	SSE	2	PR	57	92	56	8	8	4	2	7-8	9	4000	1	*	76	55	49	Tr	Tr	1·9
Cranwell	04·3	+2	SW	2	z₀	58	92	56	6	2	3	1	Tr	4-6	3000	0	*	72	55	52	0·4	-	1·7
Birmingham	04·5	-2	SSE	2	bc	57	75	49	7	5	9	-	1	4-6	4000	1	*	72	55	49	0·5	-	2·4
Upper Heyford	05·0	+2	SSE	2	z₀	58	92	56	6	8	7	5	2-3	7-8	1800	0	*	74	55	51	0·1	-	*
Ross-on-Wye	03·8	-8	S	2	c	58	92	55	8	8	7	8	7-8	9+	3000	1	*	74	56	49	1	-	3·1
Hartland Point	00·7	-12	S	3	iR	60	97	60	6	6	2	-	9	10	800	1	3	66	58	56	7	23	4·3
Bristol	04·9	-2	ESE	2	c-bc	57	97	55	8	5	3	-	7-8	7-8	5700	1	*	74	53	47	0·3	-	5·6
Portland Bill	05·0	-6	S	3	bc	64	85	61	8	5	-	-	4-6	4-6	4000	1	4	65	60	*	-	-	*
Plymouth	02·2	-6	S	3	c/r	62	97	61	7	8	7	-	7-8	9+	1500	1	2	63	56	51	15	0·3	7·0
The Lizard	00·6	0	SE	6	c-bc	60	97	60	6	5	3	-	7-8	7-8	1500	1	4	66	59	*	8	12	4·9
Scilly (St. Mary's)	00·5	-2	NW	4	c/f	60	97	60	7	8	7	3	7-8	9+	800	1	4	66	59	*	5	7	3·7
Guernsey																							
Pembroke	11·2	-6	SE	2	c	59	97	59	7	6	-	-	9+	9+	800	1	2	65	58		1	0·4	0·9
Holyhead (Valley)	02·1	+6	SSW	3	c	58	97	58	7	5	-	-	4-6	9	1500	1	3	64	60	56	Tr	0·5	*
Chester (Sealand)	02·5	+2	SSE	3	c	57	85	54	5	3	7	3	4-6	9	3500	1	*	67	55	45	9	0·3	0·0
Manchester	03·3	+6	S'E	4	z₀	57	92	55	6	5	3	1	4-6	9	3000	1	*	71	56	51	2	0·5	*
Spurn Head	04·2	+4	SSW	3	b-bc	58	97	57	7	1	-	1	2-3	2-3	4000	0	2	64	58	*	0·2	-	2·3
Catterick (Sc)	01·8	+4	SW	3	z₀	56	92	55	6	5	3	1	4-6	4-6	2000	0	*	64	55	52	1	16	0·0
Tynemouth	00·6	+4	SW	3	z₀	59	85	55	6	2	4	-	2-3	2-3	2500	1	3	60	56	53	4	4	*
St. Abbs Head	97·5	-4	SW	4	rr	58	92	56	8	5	4	-	7-8	9+	2000	1	4	58	54	*	0·4	8	
Leuchars	97·3	+2	SW	1	c/r	58	97	58	6	5	7	8	7-8	9+	2500	1	*	58	56	53	0·6	7	0·0
Renfrew (Abbots I.)	97·4	-6	S'W	1	d₀d	59	97	57	7	5	7	-	4-6	9+	300	1	*	63	58	55	2	2	0·0
Eskdalemuir																	*	65			Tr		
Point of Ayre	00·2	+8	NW'W	4	c	57	92	55	8	5	-	-	9+	9+	2500	1	3	66	57	*	-	8	1·0
Tiree	98·6	+6	NW'W	3	S/r	55	97	54	6	6	7	-	7-8	10	400	1	2	58	53	53	3	8	0·0
Stornoway	96·1	+2	-	0	c/d	55	97	54	6	5	7	-	4-6	10	1100	1	0	61	55	53	0·5	1	2·8
Dalwhinnie	97·5	-4	S	1	ir	55	97	54	6	5	2	-	7-8	10	1500	1	*	58	53	51	1	0·4	0·0
Aberdeen †	96·4	-8	SSW	2	c	57	92	57	7	8	7	-	7-8	9+	2500	1	1	57	56	55	11	16	0·0
Wick	95·5	-8	-	0	rf	56	97	56	3	-	-	-	10	10	<150	1	*	57	55	55	7	8	*
Sumburgh	96·2	-18	SE	3	r₀r₀	56	97	56	4	5	2	-	9	10	100	1	4	59	55	54	0·1	6	0·4
Blacksod Point	03·2	+6	W'S	1	∞/pr	55	92	53	7	6	-	-	10	10	1500	1	2	58	52	*	5	1	
Malin Head	99·3	+6	WNW	4	ir	55	92	53	7	-	2	-	10	10	800	2	3	58	53		0·5	7	0·0
Aldergrove	00·6	+14	W'N	3	c	55	92	54	7	5	7	-	7-8	9+	1500	1	*	65	54	52	0·1	1	0·9
Birr Castle	02·1	+6	WNW	1	c	55	97	54	7	5	-	-	10	10	1500	1	*	65	54	53	-	2	0·1
Valentia Obsy.	05·2	+6	NW	2	r₀r₀	53	92	53	8	6	7	-	9	9+	1200	1	3	66	54	53	-	0·5	4·9
Roches Point	03·0	+14	NNW	4	ir₀	57	92	55	7	6	2	-	4-6	9+	1500	1	4	64	56		Tr	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 13th September $C_L C_M$	wwVhNₕ	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNₕ	DDFWN	01h. G.M.T. 14th September $C_L C_M$	wwVhNₕ	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNₕ	DDFWN
100	5·	51638	11558	5-	64528	10568	5-	62418	12458	5-	52418	16268
115	52	09744	08227							--	67009	20369
203							5-	09398	08128			
206	5-	64518	08368	5-	05628	05268	5-	05638	00028	--	46109	00049
210	62	62428	08368	5-	05638	00058	5-	61648	12228	62	66545	18168
219	57	61841	07368	51	21864	28168				52	02735	25468
230	52	22587	00068	52	61755	00028	5-	05658	00068	52	61747	26368
245	--	57209	06269	--	46109	10159	--	67209	00069	57	62627	18167
260	--	57009	04259	--	46309	16249	5-	67108	16168	57	02765	20266
278	52	02746	12328	59	13536	12127	5-	22518	14268	62	21736	26458
279	52	05565	10428	02	64548	10168	52	62646	20398	52	22626	20568
285	--	48209	12449							27	05625	22427
288	5-	47348	00048	--	67209	06669	06	05690	20423	54	05651	16314
575	02	05528	04128	02	05548	00028	62	62625	26368	62	28268	03055
301	57	05559	11228	5-	62448	10168	57	02756	20598	36	25635	13386
321	5-	22447	16147	36	05654	08195	00	05590	20390	04	05590	18312
290	5-	47138	12348				50	05642	20302	50	05642	22202
292	5-	08438	00058	57	22544	00068	00	00790	18820	03	08490	00013
310	--	02428	08348	--	99426	16326				--	02626	24316
614	5-	22545	06368	26	05544	14115	04	05690	22201	38	08451	24113

III	13h. G.M.T. 13th September $C_L C_M$	wwVhNₕ	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNₕ	DDFWN	01h. G.M.T. 14th September $C_L C_M$	wwVhNₕ	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNₕ	DDFWN
388	57	51744	20127	57	61775	23268	57	05654	18168	62	66628	18268
334	--	02646	00017							--	24646	20188
340	5-	64538	12268	33	02844	18294	04	01790	15301	5-	05914	15318
136	57	22664	17268	46	02872	13265	00	00790	20410	38	10765	18227
336				58	01753	20315				62	62526	20368
350	67	61641	12227	27	01861	12384	00	01790	20211	26	01753	16164
368	57	61554	24228	09	02754	25215	83	05653	00015	83	02754	18285
370	07	22690	14366	20	01853	18323	50	04153	20244	53	02734	14305
390	57	08464	18167	87	05665	16226	00	05690	16210	20	05552	14213
382	87	22855	14366	88	01962	15312	07	01890	00002	37	10246	12127
438	37	01764	16314				50	01755	20215	--	09609	18249
430	50	01774	12214	07	01890	18114	13	05653	28113			
409	36	01963	00095	36	01952	17403	87	82844	15388	6-	62625	17568

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 14th September
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	ri₀cr	rbcbcw	bbcm₀w
Croydon	cm₀ic₀jp	circbbc	bbcm₀w
Greenwich	cr	cbcyc	bcbc
Camden Square	c	bc	*
Kensington	crbc	cpbc	*
Hampstead			

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ending 7h. Max. 0·4, Time 9h 13th. Min. 0·1, Time 17–21h 13th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	72	55	45	0·6	Tr	1·8	*	*
Croydon	76	51	51	0·1	Tr	2·7	*	*
Greenwich	77	56	45	Tr	-	2·0	58	79
Westminster	74	57	51	0·7			72	88
Regents Park	74	56	53	0·1	-		69	79
Camden Square	74	56	49	0·3	-	*	*	87
Kensington	75	56	47	0·4	Tr		77	77
Hampstead							*	

Page 1 BRITISH SECTION

SECRET

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

Wednesday 15th September 1943

No 29882

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

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)	04·8	-6	SSW	4	cbc/pr	68	75	59	8	8	3	3	4-6	7-8	2500
	Croydon	06·0	-4	S'E	3	bc/pr	71	65	60	8	2	6	9	2-3	4-6	2500
	S. Farnborough	04·5	-6	S'E	3	cbc/pr	68	85	62	8	8	7	-	4-6	7-8	2000
	Boscombe Down	04·0	-6	S	4	bc	70	65	56	9	2	6	-	4-6	4-6	2500
	Thorney Island	05·2	-6	S'E	3	cbc	69	85	62	8	8	3	-	2-3	7-8	2500
	Lympne	06·9	-6	S'E	2	c/pr	65	85	60	8	5	7	-	4-6	9+	1500
	Manston	06·7	-6	S	4	c	70	65	58	8	5	3	8	2-3	9	3000
2	Shoeburyness	06·3	-4	S	3	rr	63	92	61	6	5	7	-	7-8	9+	1500
	Felixstowe	06·5	-6	SE'S	4	cbc	65	92	62	7	8	-	-	2-3	7-8	4000
	Gorleston	06·4	-4	SSW	4	bc	64	92	61	7	5	-	3	4-6	4-6	2000
	Mildenhall	04·7	-10	SSE	4	c	72	65	61	8	2	8	-	Tr	9+	4000
	Cranwell	03·5	-20	S'E	4	cbc	73	65	61	8	8	3	-	7-8	7-8	2000
3	Birmingham	02·2	-10	SSE	4	c-bc	70	65	56	8	8	-	·	7-8	7-8	4000
	Upper Heyford	02·8	-14	S	4	bc	71	55	55	9	3	6	3	4-6	4-6	3500
4	Ross-on-Wye	01·8	-12	SSW	4	c	69	65	56	8	2	6	-	7-8	9	3000
5	Hartland Point	02·0	+10	NW	3	rr	59	97	59	6	5	2	-	7-8	10	600
	Bristol	02·5	-8	SSE	3	c	63	65	55	8	8	7	-	7-8	9	2500
	Portland Bill	04·2	-12	S	4	cbc	64	85	60	8	2	4	-	4-6	7-8	4000
	Plymouth	01·8	-2	S	2	rr	61	97	61	6	6	2	-	9	10	400
	The Lizard	01·7	+6	NW	4	ir	59	97	59	7	5	-	-	10	10	1500
	Scilly (St. Mary's)	03·8	+14	NNW	5	c	59	85	55	6	5	2	-	7-8	10	1000
	Guernsey															
6	Pembroke	02·4	+10	N	4	c/d	58	97	58	6	6	-	-	10	10	800
7	Holyhead (Valley)	02·5	0	N'E	3	dd	58	92	56	4	8	7	·	9	10	200
	Chester (Sealand)	01·9	-8	-	0	rr	61	92	60	6	5	2	-	7-8	10	2000
8	Manchester	01·9	-14	SSW	3	c/pr	69	75	59	7	2	6	3	4-6	9+	2500
10	Spurn Head	04·3	-6	SSE	4	bc	67	85	62	7	7	3	-	4-6	4-6	2500
	Catterick (Sc)	02·1	-2	SW	3	cbc	67	75	59	7	8	6	-	7-8	7-8	3300
	Tynemouth	02·8	+2	SW	4	cbc	68	65	56	7	2	4	1	4-6	7-8	2300
11	St. Abbs Head	00·2	+14	SW	4	bc	68	75	54	8	2	4	-	4-6	4-6	2500
	Leuchars	99·7	+18	SSW	5	c	61	85	56	8	8	-	-	9	9	2000
12	Renfrew (Abbots I.)	01·7	+18	WSW	3	c	61	75	53	8	8	6	-	7-8	9	1500
	Eskdalemuir	01·2	+6	WSW	2	bc	60	75	50	8	8	3	-	4-6	4-6	1800
	Point of Ayre	02·7	+6	NW	3	cbc	63	85	58	8	5	3	-	4-6	7-8	4000
13A	Tiree	01·9	+18	W'S	3	bc	58	85	52	8	5	7	-	4-6	4-6	3000
13B	Stornoway	98·4	+14	W	3	c/d	58	85	53	7	6	2	-	7-8	10	0800
15	Dalwhinnie	99·5	+18	WSW	3	c	54	85	51	7	5	-	-	9+	9+	1500
	Aberdeen	98·2	+10	SSW	4	zo	63	85	57	6	5	7	-	7-8	9+	2500
	Wick	98·0	+18	WNW	3	c	55	97	55	8	5	2	-	7-8	10	800
16	Sumburgh	94·6	-8	S'E	2	dodo	55	97	55	5	-	2	-	10	10	200
17	Blacksod Point	06·7	+20	WNW	4	c	57	65	46	8	8	-	-	9	9	1500
18	Malin Head	02·8	+18	W	2	pr	55	92	53	8	8	-	-	9	9	1500
	Aldergrove	03·4	+12	NW'W	2	bc	60	65	49	7	2	-	-	4-6	4-6	2500
19	Birr Castle	04·4	+10	WNW	2	cbc	61	75	53	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	08·9	+20	WNW	5	b-bc	59	65	47	8	8	-	-	2-3	2-3	2500
	Roches Point	05·7	+14	N'W	5	c	59	85	54	8	8	-	-	7-8	9	1500

OBSERVATIONS at 18h. G.M.T. 14th September — PAST 24 HOURS

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 14th (39)	Weather 13h.–18h. 14th (40)	Weather 18h 14th to 1h 15th (41)	Weather 1h.–7h. 15th (42)
1	London (Kew)	03·3	+2	SSE	3	c	68	75	60	8	8	3	-	9	9+	1500	1	*	bccpropre	cbcc	prcrgir	cbc
	Croydon	04·7	-4	SE	3	c-bc/pr	68	75	60	8	2	6	-	7-8	7-8	2500	0	*	bccproc	ctro	cprdodoc	ccmoc
	S. Farnborough	02·6	-6	SE R	2	c/pr	66	85	60	8	8	6	-	7-8	9	2000	1	*	cmobciro	cproc[bccprc	cpredmcm	cmbc
	Boscombe Down	01·8	-10	SE	3	c-bc/pr	63	85	60	8	2	6	-	4-6	7-8	2500	0	*	bcmobccbc	ccpro	cmrr cm	cmbbccbc
	Thorney Island	02·5	-4	SSE	4	c-bc/pr	65	85	60	8	3	6	2	4-6	7-8	2500	1	*	c	cproq	prbcc	cidcmfgc
	Lympne	03·4	-4	S'E	2	c-bc/pr	65	85	60	8	3	-	3	4-6	7-8	5000	1	·	bmo ccpr	cbc bprbc	cqcidc	prm
	Manston	05·7	-2	SSE	2	bc	68	75	59	8	3	6	3	4-6	4-6	2500	0	*	c	cbcybc	bccirbc	cirrrccm
2	Shoeburyness	05·6	-2	SW'S	4	bc	67	75	61	8	2	6	3	2-3	4-6	2500	1	*	crrmo	crrmoc	bcrrbc	bcc
	Felixstowe	05·3	+2	SSE	3	b	67	75	60	8	3	-	6	1	1	4000	0	2	bcc	cbcc	bbcbc	cidc
	Gorleston	05·6	-6	S	3	bc	66	85	61	7	-	-	5	0	4-6	-	0	2	cbc	bc	bcl	bclirod
	Mildenhall	04·2	+4	S'E	4	bc	73	75	64	8	2	4	2	2-3	4-6	2500	1	*	cbcc	cbc	bcb,c	cidmbfgidc
	Cranwell	03·1	+4	S'W	4	b-bc	66	75	57	8	2	-	2	1	2-3	2000	0	*	cprobc	bctlrob	bbcecrrcm	cmbcm
3	Birmingham	03·3	+10	WSW	2	c/pr	62	85	58	8	8	-	-	9+	9+	1500	1	*	bc	cprobcc	cir	cb
	Upper Heyford	02·1	-2	ESE	1	c	67	75	57	9	8	-	-	4-6	9+	3000	0	*	cmowPRbcc	bcyc	cprbcirc	cidmbc
4	Ross-on-Wye	02·7	+8	NW	1	ir	61	97	59	6	6	2	·	9	9+	2500	1	*	cbc	cbccr	Rrc	cbcc
5	Hartland Point	04·3	+24	NW	5	c	58	85	58	7	6	-	-	1	9+	1000	1	4	cirRRc	crrcr	c	c
	Bristol	01·6	-2	N	3	c/r	60	97	59	5	6	-	-	10	10	450	1	*	bcwbcc	ccprrrmrmo	irocmo	cmbcwcw
	Portland Bill	00·2	-8	S	4	rr	63	85	60	7	5	-	-	10	10	4000	1	4	c	ccorr	oRc	cc
	Plymouth	04·7	+34	NNW	4	dodo	58	97	58	6	6	2	-	9	10	2000	2	2	crrmo	crrmo	c	cbcb
	The Lizard	06·6	+22	WNW	6	bc	58	85	54	7	7	-	-	4-6	4-6	2500	1	4	croiro	prrbc	cbc	bcc
	Scilly (St. Mary's)	07·5	+22	NW	5	c-bc/pr	58	85	53	8	8	6	-	4-6	7-8	1200	1	4	cdoc	cpo	cbc	bcc
	Guernsey																					
6	Pembroke	05·6	+12	N	4	bc	59	85	55	8	2	4	1	2-3	4-6	2500	1	2	cmo	cbc	bccbc	bc
7	Holyhead (Valley)	04·8	+14	NNW	3	zo	60	85	55	6	-	3	-	0	7-8	-	1	2	cfromo	cidoc	bccw	bbcw
	Chester (Sealand)	03·2	+22	NW	4	rr	58	92	57	5	5	2	-	9	10	800	1	*	crorom	crorrrmo	crrm	bcm
8	Manchester	02·3	+6	S	3	c-bc/pr	61	85	58	7	3	6	3	4-6	7-8	3000	1	*	irrrpro	prpRm	cprbcbm	bbcmw
10	Spurn Head	03·4	0	SES	3	bc	63	85	59	7	7	3	-	4-6	4-6	2500	0	3	bc	bc	bcc	prc
	Catterick (Sc)	02·8	+14	NE	1	Hro	59	97	59	4	9	-	-	10	10	1800	1	*	bcmoc	Hro rom	ctrrm	cmbc
	Tynemouth	03·5	+6	SE	2	pr	64	92	62	7	8	-	-	9	9	2300	1	3	bcmoc	cp	coirm	cimbcm
11	St. Abbs Head	02·7	+12	WNW	2	c	61	92	59	8	5	4	·	4-6	9+	2500	0	3	crrcbc	bcc	crmbc	bc
	Leuchars	02·3	+22	WNW	3	bc	63	75	53	8	1	4	2	2-3	4-6	2500	0	*	cmobcc	cjpc	bcb	bbcw
12	Renfrew (Abbots I.)	03·6	+14	W	2	c-bc	57	75	49	8	4	4	2	4-6	7-8	2000	1	*	cdodocmoc	cbc	bccprobc	cbcc
	Eskdalemuir	02·9	+14	NW'N	2	c	58	85	54	6	5	4	·	9	9+	1600	1	*	cirobc	bcc	cbcb	bcf
	Point of Ayre	04·1	+8	N	4	bc	59	85	55	8	2	4	9	Tr	4-6	1800	0	2	c	c	cbc	bcbbc
13A	Tiree	03·9	+16	WNW	3	c-bc	54	85	48	8	7	3	-	4-6	7-8	2500	1	3	cbc	cprocbc	bc	bcc
13B	Stornoway	00·4	+16	W	4	c/pr	53	97	51	6	9	-	-	9+	9+	1800	1	2	cmocirombcm	ocmbcmcpr	cbcprobcc	cprc
15	Dalwhinnie	03·0	+14	W	2	c-bc	52	85	58	7	5	3	-	7-8	7-8	1500	0	*	oirc	c	*	coirc
	Aberdeen	01·9	+28	NNW	1	c	58	85	54	7	-	3	-	0	9+	-	1	2	ciroc	c	circ	c
	Wick	00·4	+16	-	0	c	56	97	54	7	5	7	-	9	9+	1000	1	*	cromoc	ccircrrc	cmcmcz	cbcc
16	Sumburgh	99·0	+32	W'S	3	c	54	97	53	7	5	7	2	4-6	9+	800	1	3	rftlrdmc	cdmrbc	cigc	cprbc
17	Blacksod Point	08·4	+10	WNW	4	bc	55	75	47	8	8	-	-	4-6	4-6	2500	1	3	c	bc	r	r
18	Malin Head	05·0	+18	NW'N	4	bc	54	75	46	8	8	-	-	4-6	4-6	1500	2	3	r	pr	bc	r
	Aldergrove	05·6	+18	W'N	3	c/pr	54	92	52	8	5	7	-	4-6	9+	1500	1	*	c	cpro	cbccbw	bbcow
19	Birr Castle	07·5	+20	NNW	2	c-bc	56	75	48	8	5	-	-	7-8	7-8	2500	1	*	pr	pr	*	c
20	Valentia Obsy.	11·4	+14	NW'W	4	c	56	65	45	8	8	-	-	9	9	4000	1	4	pr	bc	bc	r
	Roches Point	08·7	+26	N	5	b	58	75	50	8	1	·	-	Tr	Tr	1000	1	4	bc	bc	bc	c

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Moderate south wind, fresh locally veering west; fair at first, occasional rain spreading from west; 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; 12 S.W. Scotland & Isle of Man	Moderate south wind, fresh or strong locally on coasts; rain spreading from west followed by bright intervals and local showers; cool.
13A W. Scotland ↓; 13B N.W. Scotland ↓; 14 Mid Scotland; 15 N.E. Scotland ↓	Fresh south wind, strong to gale locally on coasts veering west; rain at first, bright intervals and showers later; rather cold.
16 Orkneys and Shetlands ↓; 17 N. W. Ireland ↓; 18 N. E. Ireland ↓; 19 S. E. Ireland; 20 S. W. Ireland	As 13a – 15

GENERAL INFERENCE

A ridge of high pressure is crossing the British Isles. A depression north west of Ireland is moving east northeast and associated fronts will cross the British Isles. Weather will be fair at first over England and Wales but rain will spread from the West later, although amounts in the South will be small

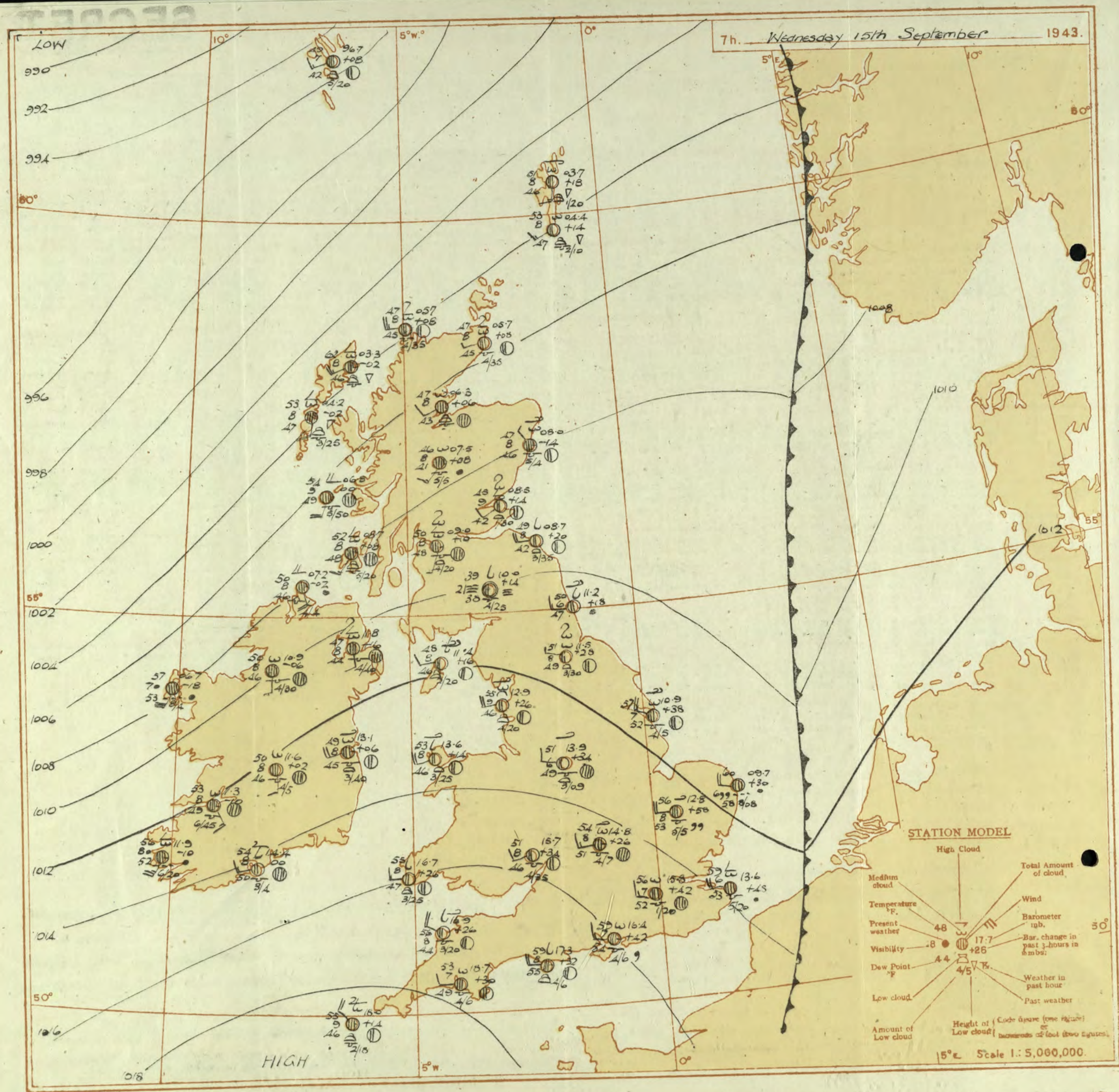
FURTHER OUTLOOK

Bright intervals and showers in the North at first followed by occasional rain; fair in the South ↓ Gale warning in operation in districts, 13a, 13b 17 (part of) 18, Issued 0745 15th September. In districts 15, 16. Issued 1330 15th September.

Forecasts issued at 1030

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

7h. Wednesday 15th September 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).

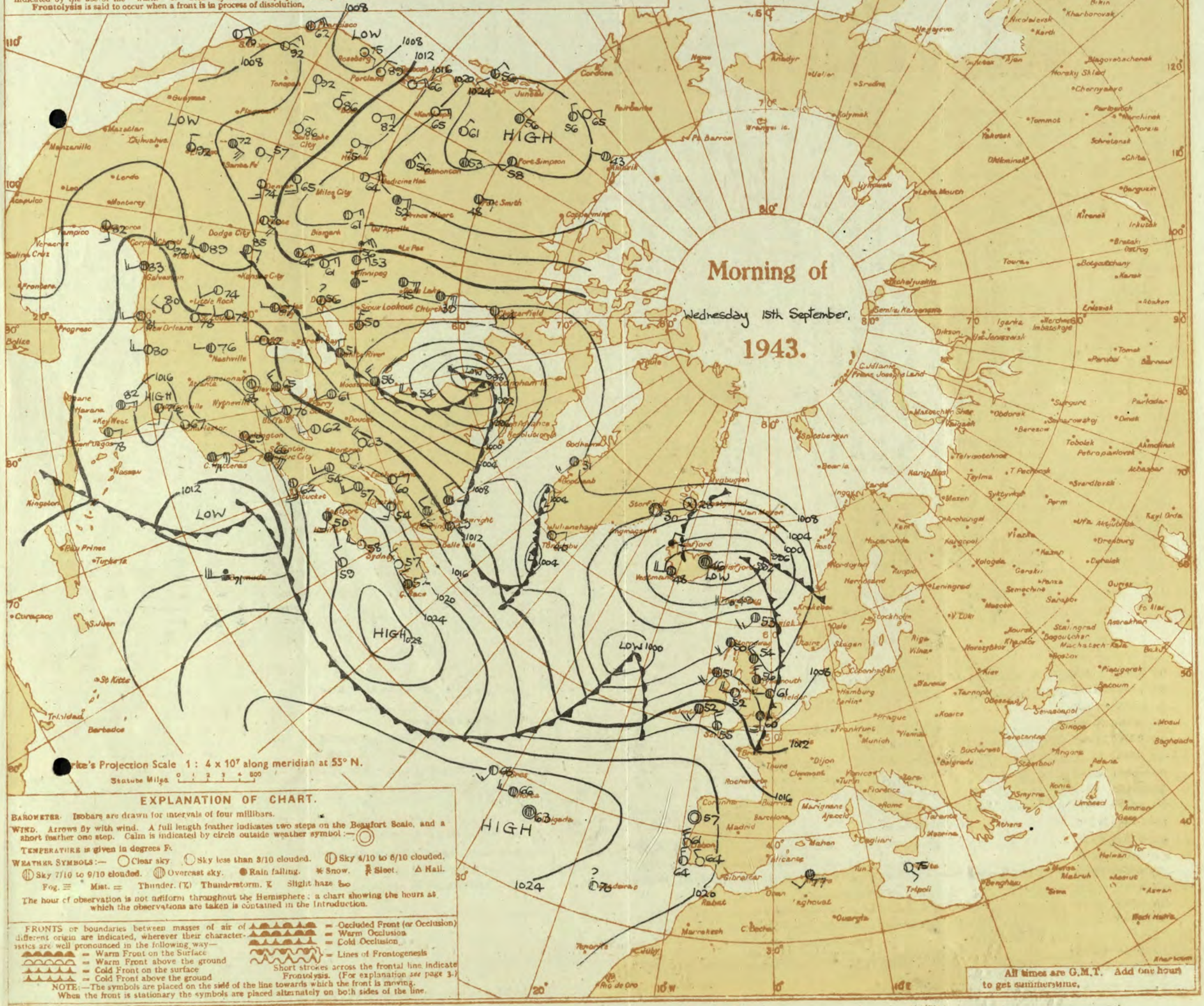
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 summertime.

BRITISH SECTION

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

Wednesday 15th September 1943

No. 29882

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	60	*	*	*	*	*	*	*	*	*
	Croydon	290	06·3	+18	S	5	c/d	60	97	59	7	6	-	-	9	10	700
	S. Farnborough	226	06·7	+46	NW'W	4	z₀	59	92	57	6	5	-	-	10	10	900
	Boscombe Down	417	08·9	+56	NW	3	z₀	56	92	54	6	5	2	-	9+	10	2000
	Thorney Island	10	07·8	+54	W'N	5	id₀	61	85	58	8	5	3	-	4-6	9+	1600
	Lympne	283	06·8	+2	SSW	7	ir₀	61	85	56	6	5	-	-	10	10	1100
	Manston	154	06·5	+4	SSW	7	ir₀	61	85	57	7	5	-	-	7-8	7-8	1700
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	059	-2	SSE	5	c	63	85	57	7	5	-	-	9+	9+	2600
	Gorleston	5	05·5	-4	SW'W	3	ℓ	62	85	58	7	-	4	-	0	2-3	-
	Mildenhall	15	05·1	+6	SE'E	1	c	61	85	57	8	5	-	-	10	10	2500
	Cranwell	203	05·3	+4	NW	2	z₀	59	97	58	6	5	-	-	10	10	1500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	06·4	+32	NW'N	4	id₀	57	92	55	6	6	-	-	10	10	800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12·1	+30	NW	4	c	58	85	52	8	2	3	-	1	9+	2500
	Bristol	209	10·1	+40	NW	4	z₀	57	92	55	6	-	3	-	0	9+	-
	Portland Bill	32	08·7	+2	SW	5	c	60	85	56	7	5	-	-	9	9	4000
	Plymouth	86	13·0	+32	NW	4	c	58	92	56	8	5	-	-	10	10	5800
	The Lizard	240	14·4	+24	NW	4	b-bc	58	85	54	8	4	-	-	1	2-3	2500
	Scilly (St. Mary's)	163	15·0	+28	NNW	4	bc	55	85	49	8	8	-	-	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	12·2	+24	NW	4	b-bc	56	85	50	8	1	4	-	1	2-3	4000
7	Holyhead (Valley)	32	10·6	+22	WNW	4	c	52	85	46	8	1	3	-	1	10	2500
	Chester (Sealand)	16	08·4	+18	NW'W	4	bc/r	56	85	53	6	5	3	-	4-6	4-6	3500
8	Manchester	230	08·1	+24	NW	3	z₀	53	92	52	6	-	-	-	0	0	-
10	Spurn Head	29	05·9	+2	W'N	2	c	61	92	57	7	7	-	-	9+	9+	4000
	Catterick (Sc)	192	06·8	+20	NW	1	z₀	56	92	53	6	5	7	-	7-8	9+	3500
	Tynemouth	108	06·7	+14	N	3	c/r	56	92	54	6	-	2	-	10	10	1500
11	St. Abbs Head	280	05·6	+8	WNW	4	bc	54	85	48	7	4	-	-	4-6	4-6	4000
	Leuchars	36	05·7	+10	WSW	2	b-bc	50	92	57	8	4	4	8	Tr	2-3	6000
12	Renfrew (Abbots I.)	19	07·4	+10	WSW	2	e-bc	50	85	47	8	-	7	6	0	7-8	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	08·8	+16	NW	4	bc	55	85	49	8	8	-	-	4-6	4-6	3000
13A	Tiree	44	07·0	+4	WSW	3	c-bc	50	85	46	9	2	3	3	4-6	7-8	2500
13B	Stornoway	12	03·8	+2	SW	4	c-bc	50	85	45	8	8	3	-	4-6	7-8	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	05·3	+18	NW	3	c	54	85	50	8	5	7	-	9	9+	3500
	Wick	114	04·3	+14	-	0	c-bc/r	50	92	49	8	5	3	-	4-6	7-8	3500
16	Sumburgh	19	02·3	+8	SSW	3	c	54	97	53	7	5	7	-	7-8	10	2500
17	Blacksod Point	18	09·9	+2	WSW	3	c/r	52	85	48	8	6	-	-	9+	9+	1500
18	Malin Head	84	07·7	+6	SW'S	4	c-bc	51	85	47	8	2	-	-	7-8	7-8	1500
	Aldergrove	268	09·7	+8	SW'W	1	b-bc	48	92	45	8	5	4	-	1	2-3	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13·5	+2	SW	3	c-bc	52	75	44	8	1	3	-	Tr	7-8	2500
L	Roches Point	22	14·2	+14	NNW	3	c-bc	52	85	48	8	5	-	-	7-8	7-8	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Amount Low 0–10 (28)	Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	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 UK Hrs. (38)
London (Kew)	15·7	+40	WNW	2	bc	57	85	51	6	5	3	-	2-3	4-6	2500	1	*	71	57	53	1	1	5·8
Croydon	15·8	+42	W	3	c-bc	56	85	52	7	5	3	-	Tr	7-8	2000	1	*	73	57	54	0·3	0·6	7·1
S. Farnborough	16·2	+44	W'S	3	b-bc	56	92	53	7	-	7	-	0	2-3	-	0	*	71	55	50	0·2	2	7·1
Boscombe Down	16·7	+36	WNW	3	c-bc	53	85	51	7	-	3	-	0	7-8	-	1	*	70	52	50	0·5	2	6·3
Thorney Island	16·4	+42	W'N	3	c	59	85	54	7	5	3	-	4-6	9	4000	0	*	71	57	55	0·3	Tr	*
Lympne	14·7	+42	W'N	3	z₀	57	85	53	6	5	-	-	7-8	7-8	2500	0	§ 3	69	57	56	Tr	0·1	5·3
Manston	13·6	+48	W	4	z₀	59	75	53	6	5	7	-	7-8	10	2000	1	*	72	59	53	-	3	4·8
Shoeburyness	14·3	+24	W	4	c-bc	59	75	52	7	5	3	-	4-6	7-8	4000	1	*	69	58	56	3	1	[illegible]6
Felixstowe	13·0	+56	W	5	c/d	58	85	54	6	5	-	-	9+	9+	1500	1	5	69	58	57	*	0·2	[illegible]6
Gorleston	09·7	+30	WNW	4	d₀d₀	60	92	58	6	6	-	-	10	10	800	1	4	66	58	55	*	0·6	6·0
Mildenhall	12·8	+58	W'N	4	c-bc/d	56	85	53	8	5	-	1	7-8	7-8	2500	1	*	74	56	53	1	1	9·0
Cranwell	12·6	+44	W'N	3	z₀	54	85	50	6	-	3	2	0	2-3	-	0	*	75	53	50	Tr	0·3	6·7
Birmingham	15·1	+36	W	3	z₀	52	85	48	6	-	4	-	0	1	-	1	*	71	51	47	Tr	3	6·6
Upper Heyford	14·8	+26	W'S	3	c	54	85	51	8	5	3	1	4-6	9+	5700	1	*	72	53	50	2	30	*
Ross-on-Wye	15·7	+34	SW	2	bc	51	85	46	8	5	-	-	4-6	4-6	3500	1	*	71	51	46	2	7	5·3
Hartland Point	16·9	+26	WNW	4	bc	56	65	44	8	5	4	1	2-3	4-6	2000	1	4	60	55	52	34	-	0·4
Bristol	16·4	+32	WNW	3	c-bc	55	75	48	7	5	-	-	7-8	7-8	5700	1	*	71	53	50	3	5	6·1
Portland Bill	17·3	+32	W	4	c	59	85	55	8	2	4	-	4-6	9	4000	1	5	65	56	*	0·4	10	*
Plymouth	18·7	+30	W	2	c-bc	53	85	49	7	5	3	-	4-6	7-8	4000	1	2	63	52	42	22	0·2	0·0
The Lizard	18·0	+18	W	4	c-bc	55	75	47	8	5	3	-	7-8	7-8	2500	0	3	61	52	*	2	-	0·5
Scilly (St. Mary's)	18·0	+14	NW	4	c	55	75	46	9	8	5	5	1	9	1800	1	3	61	54	*	0·3	-	4·7
Guernsey																							
Pembroke	16·7	+26	W	3	bc	55	75	47	8	2	4	-	2-3	4-6	2500	0	3	61	53	44	0·4	-	0·0
Holyhead (Valley)	13·6	+14	SW	4	bc	53	75	46	8	1	4	1	2-3	4-6	2500	1	2	61	48	42	18	-	*
Chester (Sealand)	13·6	+30	SW	2	bc	50	85	46	8	5	-	1	2-3	4-6	3000	0	*	67	50	43	14	1	0·0
Manchester	13·3	+26	SW	3	z₀	51	85	47	6	2	6	-	4-6	4-6	2500	1	*	70	49	44	7	0·1	*
Spurn Head	10·9	+38	NWW	5	c-bc	57	85	52	7	5	3	2	4-6	7-8	2500	0	3	71	56	*	-	Tr	5·6
Catterick (Sc)	11·5	+28	WNW	1	bc	51	92	49	8	1	3	9	2-3	4-6	3000	1	*	68	47	40	17	3	0·5
Tynemouth	11·2	+18	W	3	z₀	50	85	47	6	-	4	2	0	4-6	-	1	2	68	49	49	5	5	*
St. Abbs Head	08·7	+20	W	4	bc	49	75	42	8	1	4	-	2-3	4-6	3500	0	3	65	48	*	0·2	1	*
Leuchars	08·5	+14	SW	2	bc	45	85	42	9	1	7	9	Tr	4-6	3000	0	*	66	44	39	-	-	4·0
Renfrew (Abbots I.)	09·0	+10	SSW	1	c	50	92	48	8	7	7	9	4-6	9+	2000		*	64	45	39	0·4	0·3	6·0
Eskdalemuir	10·0	+14	-	0	bcft	39	97	38	2	5	4	-	4-6	4-6	2500	1	*	64	37	27	1	-	0·1
Point of Ayre	11·4	+16	W'S	2	bc	48	92	46	8	2	4	2	1	4-6	2000	0	2	64	47	*	-	-	2·8
Tiree	06·8	0	S'W	4	c	54	85	49	9	5	2	-	7-8	10	5000	0	4	59	46	40	0·3	-	1·0
Stornoway	03·3	-2	SW	5	c	52	85	46	8	8	7	-	4-6	9+	1800	0	3	60	48	43	0·3	0·1	1·3
Dalwhinnie	07·5	+8	SSW	3	c	46	85	41	8	5	3	-	7-8	9+	2500	1	*	55	40	32	1	0·5	0·8
Aberdeen †	08·0	-14	NW	1	c	47	97	46	8	5	3	2	7-8	9+	1500	1	1	64	45	36	Tr	0·2	0·5
Wick	09·7	+8	WSW	1	c-bc	47	92	45	8	5	3	6	4-6	7-8	3500	1	*	58	44	38	7	1	*
Sumburgh	04·4	+14	SW	3	bc	53	85	47	8	8	3	-	1	4-6	1000	1	2	57	51	47	5	1	0·0
Blacksod Point	06·7	-18	SSW	6	ir₀	57	85	53	7	6	-	-	10	10	1500	1	5	58	50	*	0·1	0·2	*
Malin Head	07·2	-2	S	4	c	50	85	46	8	4	2	-	4-6	9+	1500	2	3	57	47		2	0·2	0·7
Aldergrove	11·8	+16	S	2	c-bc	47	92	44	8	5	7	4	4-6	7-8	4000	1	*	61	43	39	0·2	0·2	2·5
Birr Castle	11·6	+2	S	2	c-bc	50	85	45	8	5	3	-	4-6	7-8	2500	1	*	61	43	38	0·2	-	2·3
Valentia Obsy.	11·9	-10	SSW	5	ir₀	56	85	52	8	6	7	-	9	9+	2000	1	4	59	52	47	1	Tr	6·5
Roches Point	14·4	0	WSW	3	bc	54	85	50	8	5	4	5	2-3	4-6	1500	1	3	62	60	.	0·1	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE.

III	13h. G.M.T. 14th September $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 15th September $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	5-	53728	24558	53	22756	22368	53	22753	21264	87	02853	18215
115	52	09635	20368	54	02744	24326	84	02844	24426	84	24526	02351
203	6-	03738	20328									
206	57	21654	28428	86	01764	24464	07	02890	20426	83	0286	20227
210	5-	62748	24368	57	02863	24267	53	02853	20265			
219	73	02854	22426	86	02853	23486	23	81745	17328	87	02853	17488
280	52	61857	20268	8-	81747	22367	8-	02853	22185	5-	81758	18288
245	8-	05658	19328	83	02861	10185	04	01890	24211	24	01851	22213
260	5-	01754	22424	83	05562	24325	04	05590	22313			
276	5-	02847	24727				50	01862	26302			
279	83	02865	20326	52	05655	28268	54	02865	28116	54	02864	24215
285	17	25635	20487							23	02744	26417
288	86	02755	17386	9-	95338	12198	5-	67358	00068	04	02890	15117
575	2-	81857	26287	26	01763	26314	36	02864	22387	53	02864	17228
301	52	62546	13288	62	62654	30358	36	01853	29415	26	01954	23414
321	83	02765	16426	36	07864	16395	5-	22438	28348	04	05690	26114
299				54	22754	16164				54	01744	26314
292	86	05564	14366				52	51547	26398	63	01861	22254
310	--	01635	20415	--	03626	26466						
614	26	02755	14325	86	05654	16114	57	05554	28227			

III	13h. G.M.T. 14th September $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 15th September $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
388	52	52635	28268	53	02644	29355	86	02752	26325	14	01853	22114
334	--	64537	00068							--	02644	20215
340	--	25855	18487	83	02834	26125	53	05632	28303			
136	13	02863	16415	38	01961	18313	38	019-1	14283	52	21647	24558
336	52	22644	20368	53	02754	28316				10	01763	24313
350	96	07755	14486	4-	01755	02720	53	61636	28218	54	01751	23263
368	5-	64634	18268	5-	64548	30168	53	02643	61326	53	01752	26115
379				47	25855	00087	53	22634	61566	03	01790	24224
390	83	25663	47385	86	02764	12325	5-	52538	12258	13	05663	26324
382	86	02855	47426	57	25844	13587	5-	61648	30368	57	02864	25265
438	87	02754	12396	5			8-	02648	21728	53	02754	28537
430	53	02743	18325	87	25864	15285	5-	02747	57428	53	02763	20225
409	52	61727	30468				53	01754	28325	54	01954	22224

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 15th September
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	bcp₀pr	cbcc	prcprbc	Kew 24 hours en[illegible] 7h. Max. [illegible]ime 0·2 9-10h 14th Min. Time <0·1 12-24h 14th
Croydon	bcc pr₀c	crr₀	cpr₀d₀d₀cm	
Greenwich	cp	bccp	cbccdrcbc	
Camden Square	c	b	*	
Kensington	bc	bc	*	
Hampstead	bcp	c	orbc	

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	57	53	1	1	5·8	*	*
Croydon	73	57	54	0·3	0·6	7·1	*	*
Greenwich	73	57	53	0·3	0·5	7·0	61	71
Westminster	73	58	54	0·5			73	83
Regents Park	72	57	54	Tr	0·6		58	69
Camden Square	75	57	53	-	0·8	*	*	71
Kensington	73	57	52	-	0·5		66	68
Hampstead	70	54	51	Tr	0·8		*	75

SECRET

Page 1

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

Thursday 16th September 1943

No. 29883

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

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)	18.9	+6	W	3	c	64	55	49	8	8	3	6	7-8	9	4000
	Croydon	19.5	+4	SSW	5	c-bc	67	45	49	8	2	-	1	7-8	7-8	2500
	S. Farnborough	19.2	+8	WSW	4	c	64	55	48	8	8	7	4	7-8	9	2500
	Boscombe Down	19.2	+6	W'S	3	c	61	65	48	8	2	6	2	4-6	9	2500
	Thorney Island	20.0	+12	SW	4	bc	65	55	46	9	1	5	4	1	4-6	2500
	Lympne	19.4	+10	WSW	4	c	62	65	50	8	8	-	-	4-6	4-6	5900
	Manston	18.9	+16	SW	4	c	65	55	49	8	2	3	1	4-6	9+	2500
2	Shoeburyness	19.1	+10	WSW	3	bc	69	55	51	8	2	-	-	4-6	4-6	4000
	Felixstowe	18.3	+18	WSW	4	c-bc	67	55	49	8	5	-	5	7-8	7-8	2500
	Gorleston	16.5	+22	WNW	4	c-bc	65	65	53	7	2	-	-	7-8	7-8	2000
	Mildenhall	17.6	+16	WSW	5	c-bc	67	45	47	8	4	-	1	7-8	7-8	4000
	Cranwell	16.5	+10	SW	5	c	60	65	45	8	5	3	4	7-8	9	3000
3	Birmingham	17.0	+6	SW	4	c	59	45	38	8	7	7	-	7-8	9	2500
	Upper Heyford	17.8	+6	W'S	4	c	61	55	46	8	1	5	6	4-6	9+	3000
4	Ross-on-Wye	17.6	+4	SW	4	bc	61	65	48	8	7	4	2	2-3	4-6	3500
5	Hartland Point	18.0	0	WSW	5	c-bc	59	75	51	8	2	4	1	4-6	7-8	3000
	Bristol	19.0	+4	SW	4	c	62	55	46	8	8	4	2	7-8	9	4000
	Portland Bill	20.3	+10	SW	4	c-bc	61	85	56	8	5	4	-	4-6	7-8	4000
	Plymouth	20.9	+10	WSW	4	c	61	75	53	8	1	3	2	2-3	9	3000
	The Lizard	19.8	+6	WSW	4	bc	63	75	54	8	2	6	-	4-6	4-6	3000
	Scilly (St. Mary's)	19.1	+2	WSW	5	c	62	75	53	7	8	4	-	7-8	9+	2000
	Guernsey															
6	Pembroke	16.6	-4	SW'W	6	bcq	61	85	55	8	2	3	1	2-3	4-6	2500
7	Holyhead (Valley)	13.7	-4	SW'S	7	bc	61	65	50	8	1	4	9	4-6	4-6	2500
	Chester (Sealand)	14.8	-2	SSW	3	c	63	55	45	8	7	3	6	7-8	9	3200
8	Manchester	15.2	0	SW	4	c-bc	60	55	45	8	2	5	6	4-6	7-8	2500
10	Spurn Head	14.9	+12	WSW	4	c-bc	62	55	45	7	2	6	3	4-6	7-8	4000
	Catterick (Sc)	13.0	+2	WSW	4	c	57	65	47	8	5	6	8	7-8	9+	3000
	Tynemouth	12.7	-4	W	4	c-bc	59	85	53	7	2	3	-	4-6	7-8	2800
11	St. Abbs Head	09.4	-4	SW	4	c	57	92	55	8	1	4	-	7-8	9	3500
	Leuchars	08.1	-10	SW	4	c	58	65	47	8	7	4	1	4-6	9	2500
12	Renfrew (Abbots I.)	08.6	-6	SSW	4	c	57	65	47	8	5	7	-	7-8	10	2500
	Eskdalemuir	10.3	+4	SSW	4	c	53	75	47	8	5	1	-	9+	9+	1800
	Point of Ayre	11.1	-10	WSW	5	c	61	65	47	8	8	7	-	Tr	9+	2000
13A	Tiree	02.7	-30	S	6	c/r	55	97	54	8	5	-	-	10	10	1200
13B	Stornoway	98.8	-30	S	8	ir0	55	85	51	7	5	-	-	10	10	1200
15	Dalwhinnie	06.0	-16	S	4	o	51	65	39	8	5	-	-	10	10	2500
	Aberdeen	08.3	-8	SW	4	c-bc	58	65	45	9	2	4	2	4-6	7-8	1500
	Wick	05.0	-10	SSW	4	c-bc	57	75	49	9	8	7	2	2-3	7-8	2000
16	Sumburgh	04.5	-6	SSW	4	c-bc	55	75	47	8	1	3	9	Tr	7-8	1500
17	Blacksod Point	02.8	-22	SSW	7	iR	58	97	57	7	6	2	-	4-6	10	800
18	Malin Head	03.1	-22	S	4	r0r0	54	85	50	8	5	-	-	10	10	1500
	Aldergrove	08.2	-14	S'W	4	id0	56	75	49	7	5	-	-	7-8	10	2500
19	Birr Castle	09.1	-18	SSW	3	c	61	75	53	8	8	2	-	7-8	10	1500
20	Valentia Obsy.	11.0	-6	SSW	6	c/r	60	80	55	7	5	-	-	10	10	1500
	Roches Point	13.3	-8	SW	5	c-bc/d	60	85	55	8	3	-	-	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	20.0	+14	SW	4	bc	61	65	48	8	4	4	1	4-6	4-6	2500	1	*
Croydon	20.5	+12	SW'S	4	bc	60	65	47	8	4	4	1	4-6	4-6	3000	0	*
S. Farnborough	20.1	+8	SW'W	3	b-bc	60	65	46	9	5	8	-	2-3	2-3	4000	0	*
Boscombe Down	19.7	+6	SW	4	c	58	75	51	8	4	-	-	9+	9+	2500	0	*
Thorney Island	21.0	+6	SW'W	4	c-bc	61	75	52	9	8	4	-	7-8	7-8	2500	0	*
Lympne	21.2	+14	SW'W	4	c-bc	58	75	49	8	5	3	-	4-6	7-8	900	0	§
Manston	20.5	+14	SSW	4	b-bc	59	85	56	8	1	3	1	Tr	2-3	2500	0	*
Shoeburyness	20.6	+6	WSW	3	bc	62	65	48	8	1	4	-	1	4-6	4000	1	*
Felixstowe	18.7	+14	SSW	4	c	63	65	52	7	5	-	-	9	9	2500	0	4
Gorleston	17.5	+6	WSW	1	c-bc	65	85	59	7	5	4	2	4-6	7-8	2500	0	2
Mildenhall	18.1	+10	SW'W	3	c	61	65	49	8	4	4	2	7-8	9+	4000	0	*
Cranwell	16.3	+2	SW	5	c	60	65	48	8	5	-	-	9+	9+	2000	0	*
Birmingham	16.7	+4	SW	3	c	58	65	46	8	5	7	-	9+	10	1500	1	*
Upper Heyford	18.3	+6	SW	3	c	59	65	47	8	5	-	-	7-8	9+	4200	0	*
Ross-on-Wye	17.6	0	SW'W	4	c	59	75	48	7	5	-	-	10	10	3000	1	*
Hartland Point	16.7	0	WSW	6	c	60	85	55	8	5	-	-	9+	9+	3000	1	5
Bristol	18.8	+2	SSW	3	c	60	75	50	8	5	-	-	9+	9+	5700	1	*
Portland Bill	20.7	+2	SW	5	c	61	92	59	8	5	7	-	7-8	10	4000	1	5
Plymouth	21.0	+4	SW'W	4	c	60	92	58	8	5	-	-	7-8	10	2000	1	3
The Lizard	20.6	+4	WSW	5	c	55	92	53	7	5	-	-	9+	9+	1500	1	4
Scilly (St. Mary's)	19.1	+2	SW'W	5	c	60	85	55	7	5	-	-	9+	9+	1500	0	4
Guernsey																	
Pembroke	15.8	-2	SW'W	7	cq / %r	60	97	59	7	5	1	-	7-8	10	2000	0	4
Holyhead (Valley)	12.4	-6	SSW	7		60	85	55	7	5	7	-	4-6	9+	1200	1	5
Chester (Sealand)	13.8	-8	S	2	c	61	65	50	8	5	7	-	7-8	9	2000	0	*
Manchester	14.4	-6	SSW	5	c	57	75	51	8	5	-	-	9+	9+	2500	1	*
Spurn Head	15.3	+2	SW'S	4	c	60	65	47	7	5	7	-	7-8	9	4000	0	3
Catterick (Sc)	12.6	0	S	4	c	58	75	51	8	5	7	-	7-8	9+	2000	0	*
Tynemouth	11.7	-10	SW	4	Z0	59	65	46	6	8	-	-	7-8	7-8	2400	1	3
St. Abbs Head	07.0	-14	SSW	4	c	56	85	50	8	5	-	-	9+	9+	3500	0	3
Leuchars	05.3	-18	SW	6	cjp	57	75	47	7	5	7	-	4-6	9+	1000	0	*
Renfrew (Abbots I.)	05.4	-20	SSW	5	r0r0	56	97	55	6	6	2	-	7-8	10	1000	1	*
Eskdalemuir	07.7	-14	SSW	5	r0r0	54	97	53	3	-	2	-	10	10	200	1	*
Point of Ayre	09.3	-8	SW'W	7	c	59	85	54	8	5	7	7	1	10	2000	0	4
Tiree	99.3	-16	SW	6	cbc/pr	57	97	55	8	3	6	3	7-8	7-8	1000	1	4
Stornoway	93.1	-36	S	8	ir0	55	92	54	7	6	7	-	9	9+	500	1	6
Dalwhinnie	01.0	-28	SSW	4	ir0	51	92	49	5	5	-	-	10	10	1500	1	*
Aberdeen	04.6	-14	SSW	3	ir0	55	75	47	7	5	7	-	4-6	10	2000	1	2
Wick	00.0	-32	SSW	6	c/r	56	75	49	9	5	7	9	2-3	9+	5300	0	*
Sumburgh	01.6	-20	SSE	5	c	53	85	47	8	-	7	6	0	9	-	0	4
Blacksod Point	04.0	+18	WSW	7	c/pr	57	75	50	7	9	-	-	9+	9+	1500	2	6
Malin Head	01.1	-2	W	5	c-bc	57	75	50	8	8	-	-	7-8	7-8	1500	2	4
Aldergrove	05.5	-10	S'E	4	dodo	58	92	55	6	5	2	-	7-8	10	1000	1	*
Birr Castle	08.3	0	SW	3	ir	58	92	56	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	12.0	+14	WSW	5	c/r	57	97	56	6	5	2	-	2-3	10	800	1	5
Roches Point	12.9	0	SW	6	id	59	97	53	6	5	-	-	9+	9+	800	1.	

PAST 24 HOURS.

Stations	Weather 7h.—13h. 15th (39)	Weather 13h.—18h. 15th (40)	Weather 18h 15th to 1h 16th (41)	Weather 1h.—7h. 16th (42)
London (Kew)	wbccy	cybc	wbcc	c
Croydon	cbcc	cyb cy	bccid0	cid0c
S. Farnborough	bccy	cyb cyc	bcc	c
Boscombe Down	bccc	ccybcc	c	c
Thorney Island	bcy	bcycy	cybcc	c
Lympne	cbcm bcc	bcy bc	bcwcw	cwc
Manston	cz0bccy	cbcy	bcc	c
Shoeburyness	cbcy	cybc	bcc	c
Felixstowe	bcccy	cyb cyc	cbbcc	c
Gorleston	bc	bcc	bbc	c
Mildenhall	cbccy	cbcyc	cbcc	cbc
Cranwell	bccbc	bcycyc	cbccm0	ccm0
Birmingham	b, c	cbcc	c	c
Upper Heyford	bc ycy	cyc	c	cid0c
Ross-on-Wye	bccy	c	cc	cc
Hartland Point	bbccbc	bcc	c	cr0
Bristol	ccy	cyc	cir0c	cc
Portland Bill	bcc	c	cc	co
Plymouth	cbcc	c	cid0c	c
The Lizard	bc	bcc	cprc	cidbc
Scilly (St. Mary's)	c	c	cid0c	c
Guernsey				
Pembroke	cbcq	procq	cprr0rq	cqirdd
Holyhead (Valley)	bc	ciroc	cir0	cir0c
Chester (Sealand)	bccy	cy	c	crr0m0
Manchester	bcm0wpr0	cyc	cir0	rrr0rm0
Spurn Head	bcc	c	bcq	c
Catterick (Sc)	=	c	c	cipbc
Tynemouth	bcm0c	cm0	cm0q	cqbcm0
St. Abbs Head	bcc	c	cprbc	bc
Leuchars	bccm0c	c	cr0m0pr0c	bccbc
Renfrew (Abbots I.)	c	crrcmocmo	rcr0r0cbcc	cprm0cpr0
Eskdalemuir	bcfc	cir0dr0r0	c	r0frcc
Point of Ayre	bcc	c	cbc	bccbc
Tiree	pr0d0r0c	dodoPRq	cid0c	bctcbct
Stornoway	ccir0	cr0r0mbcir0ccpr0cm0m		cddbcpsbc
Dalwhinnie	co	oir0	*	oirc
Aberdeen	c	cbcc ir0	cir0c	cbcw
Wick	c	cciroc	cbc	bcb
Sumburgh	c	cbcc	r0pr	r0pr
Blacksod Point	r	pr	bc	bc
Malin Head	pr	r	pr	pr
Aldergrove	ccicl	cdodom0	c	cbccw
Birr Castle	c/	r	*	c
Valentia Obsy.	r	r	r	c
Roches Point	d.	d	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday, 16th September 1943.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Wind southwest moderate or fresh; cloudy, slight local drizzle, more general light rain near end of period; rather close.
4 W. Midlands; 5 S.W. England; 6 South Wales	Moderate or fresh southwest wind veering west later; cloudy, local drizzle at first, a period of rain later followed by improvement spreading east; rather close.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Wind variable, light, becoming southwest, fresh locally, veering and moderating later; dull, some rain, improving tomorrow; rather cool.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland	Wind mainly southwest, light or moderate; cloudy, occasional local rain; rather cool.
13B N.W. Scotland ↓; 14 Mid Scotland; 15 N.E. Scotland ↓	Wind southwest, fresh or strong, moderating; variable cloud, local showers, occasional rain later; rather cool.
16 Orkneys and Shetlands ↓	As 13b – 15
17 N. W. Ireland; 18 N. E. Ireland	As 11 - 13a.
19 S. E. Ireland; 20 S. W. Ireland	Wind variable, light becoming west, moderate; dull, rainy, then variable cloud, showers rather cool.

GENERAL INFERENCE

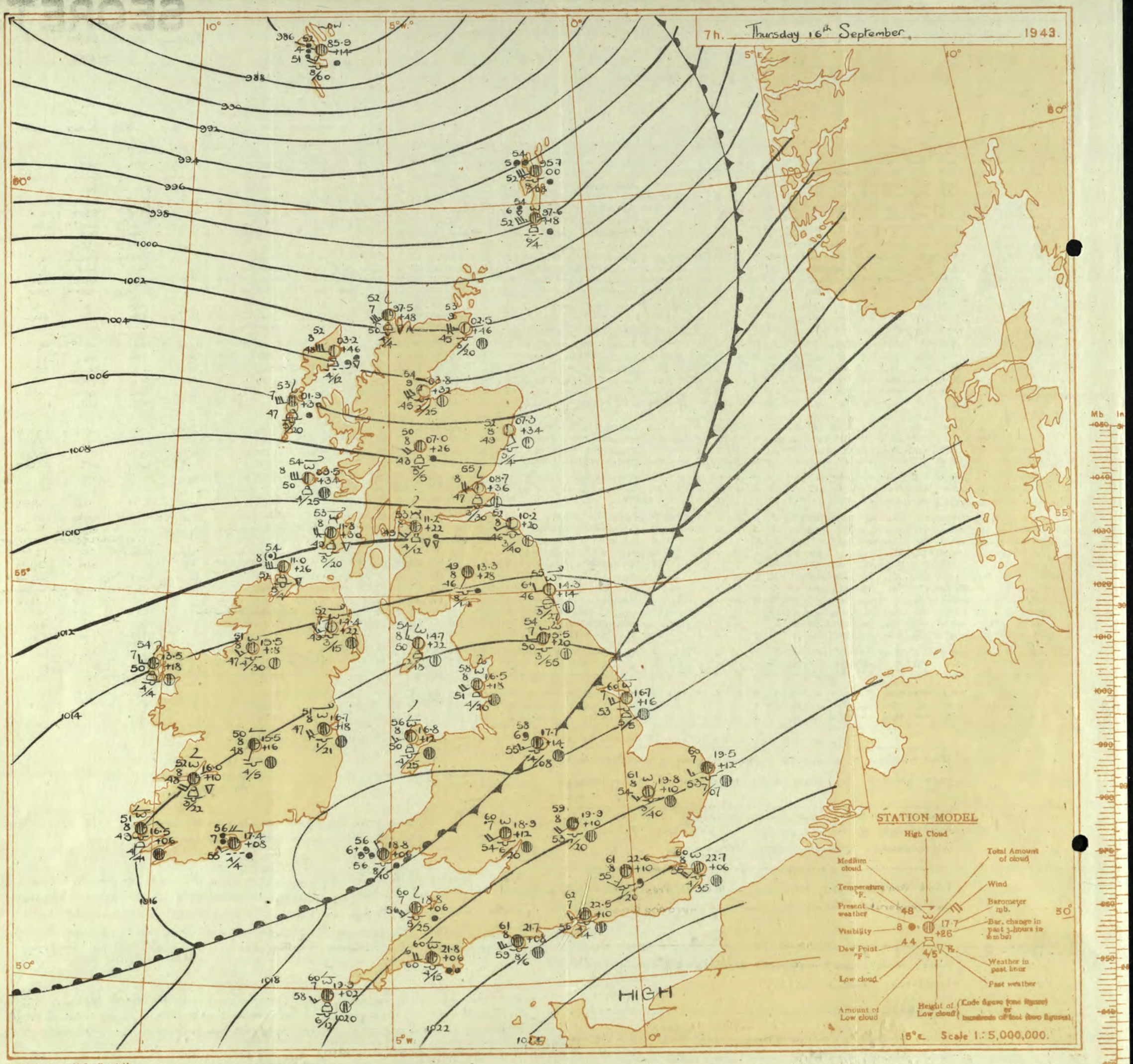
A deep depression near the Faroes will move north and begin to fill up whilst a minor disturbance will move northeast south of Ireland. Weather will be mainly dry though cloudy in the SouthEast but there will be a period of rain in other parts of England and Wales and perhaps the extreme south of Scotland. Further north conditions will be showery.

FURTHER OUTLOOK

Wind veering west to northwest temporarily; showers in the North becoming fair in the South after a short period of light rain. ↓ Gale warning in operation in districts 13b (part of) issued at 0745 G.M.T. 15-9-43. In districts 15 (part of) and 16. Issued 1230 G.M.T. 15-9-43

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).

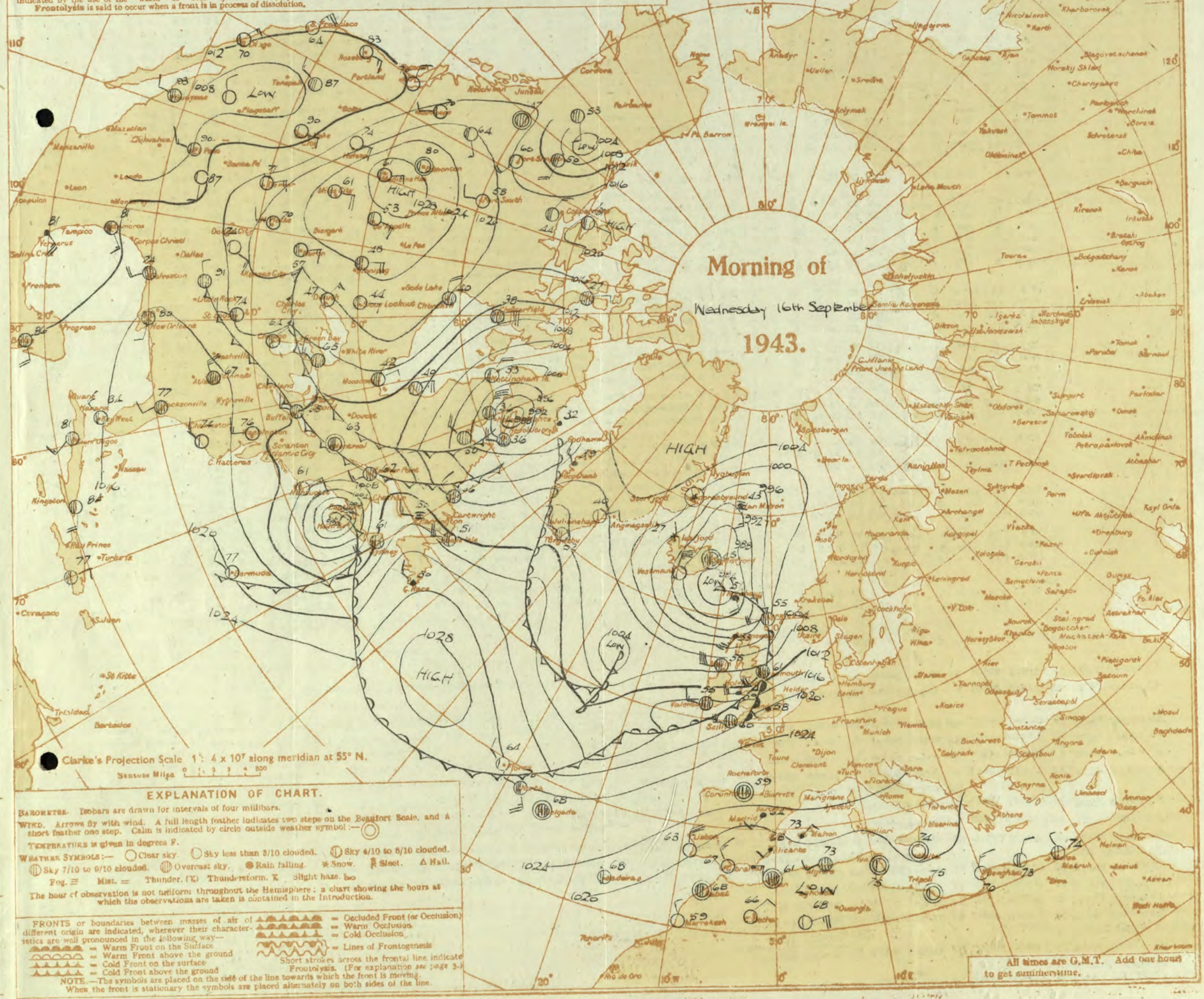
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Thursday 16th September 1943

No. 29883

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	60	*	*	*	*	*	*	*	*	*
	Croydon ...	290	21·8	+2	SW	2	id	58	85	54	7	5	-	-	10	10	2000
	S. Farnborough	226	21·0	+2	SW	3	c	59	85	54	8	5	-	-	10	10	3400
	Boscombe Down	417	20·5	0	SSW	3	c	58	92	55	7	5	2	-	9	10	2700
	Thorney Island	10	21·6	-2	SW'S	4	c	62	85	57	8	5	-	-	9+	9+	2600
	Lympne ..	283	22·5	-2	SW	3	bc	57	85	52	7	2	3	5	4-6	4-6	3000
	Manston ...	154	22·1	+2	SW'S	3	c	57	85	52	8	5	3	-	4-6	9	4500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	20·5	-4	SSW	5	c	60	75	53	7	-	3	-	0	9	-
	Gorleston ...	5	18·3	0	SW	4	c	57	85	51	7	5	-	-	10	10	1500
	Mildenhall ...	15	18·4	-6	SSW	4	c	59	75	52	8	5	-	-	9+	9+	3500
	Cranwell ...	203	16·0	+2	SW'S	6	z_0	58	85	53	6	5	7	-	4-6	10	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18·6	0	SW'W	3	c	59	85	50	7	5	-	-	10	10	1800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	209	18·0	+2	WSW	6	c	60	92	57	7	5	-	-	9+	9+	2500
	Bristol ...	209	19·3	+2	SSW	5	c	59	75	53	8	5	-	-	9+	9+	2400
	Portland Bill ...	32	21·2	+6	SW	5	c	60	92	59	8	5	-	-	10	10	4000
	Plymouth ...	86	21·5	+4	WSW	5	c	61	92	59	8	5	-	-	7-8	10	2000
	The Lizard ..	240	20·9	+2	SW	5	c	59	85	54	7	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	163	19·9	0	W'S	4	c	60	85	55	7	5	-	-	10	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	17·5	+2	WSW	6	cq	60	85	55	7	5	2	-	7-8	10	1500
7	Holyhead (Valley)	32	13·7	+10	WSW	5	ir	57	92	54	6	5	-	-	10	10	1000
	Chester (Sealand)	16	13·5	+2	SW	4	c	60	85	55	8	5	7	-	9	10	3500
8	Manchester ...	230	14·5	+2	SSW	5	c	59	85	54	7	5	7	-	7-8	10	2300
10	Spurn Head ...	29	15·2	0	SSW	5	bcq	58	85	52	7	5	7	1	4-6	4-6	4000
	Catterick (Sc) ...	192	12·2	0	S	3	ir	57	92	56	7	5	-	-	10	10	800
	Tynemouth ...	108	10·3	+2	SW	6	c-bcq	61	85	56	7	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	06·9	+16	W	4	bc	57	75	48	7	2	4	-	2-3	4-6	4000
	Leuchars ...	36	04·8	+10	SW	4	b-bc	54	75	48	8	5	7	-	Tr	2-3	3000
12	Renfrew (Abbots L)	19	07·2	+18	SW'W	4	c-bc	55	85	50	8	8	-	-	7-8	7-8	1200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	10·8	+20	W'N	5	b-bc	55	85	50	8	4	3	-	2-3	2-3	2000
13A	Tiree	44	03·1	+28	SW	7	c	54	92	52	8	8	6	-	7-8	9	1500
13B	Stornoway ...	12	93·4	+6	SSW	7	id	53	97	52	7	6	-	-	9+	9+	1000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	01·5	+2	WSW	6	b-bc	55	65	45	9	5	4	-	2-3	2-3	3000
	Wick ...	114	98·0	-2	SW	5	bc	55	85	51	8	5	7	-	4-6	4-6	3000
16	Sumburgh ..	19	96·8	-14	S'E	6	c	55	92	53	8	-	9	2	0	9	-
17	Blacksod Point	18	10·5	+26	W'N	6	bc	55	85	50	7	8	-	-	4-6	4-6	1500
18	Malin Head ...	84	05·7	+10	W'S	8	c-bcq	55	85	50	8	8	-	-	7-8	7-8	1500
	Aldergrove ...	268	10·3	+26	SW'W	4	c	53	85	49	7	5	3	-	2-3	9	1000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15·7	+14	WSW	3	c	55	85	50	8	1	7	-	Tr	10	2200
	Roches Point	22	16·0	+16	W'S	3	c	57	97	56	8	5	-	-	9	9	1500

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

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)	21·7	+12	SW'W	3	c	61	75	55	8	5	-	-	9+	9+	2500	1	*
	Croydon ...	22·6	+10	SSW	3	c	61	85	55	8	5	-	-	9+	9+	2000	0	*
	S. Farnborough	21·9	+12	SW'S	2	c	60	85	55	7	5	7	-	9	9+	2500	0	*
	Boscombe Down	21·3	+10	SW	4	c	59	85	55	8	5	-	-	9+	9+	2000	0	*
	Thorney Island	22·5	+10	SW'W	3	c	62	85	56	7	5	-	-	4-6	10	1500	0	*
	Lympne ..	23·0	+6	SW	4	c	60	85	55	7	5	-	-	9	9	1500	0	5
	Manston ...	22·7	+6	SW'S	4	c-bc	60	85	55	8	5	3	-	4-6	7-8	3500	0	*
2	Shoeburyness ...	21·9	+10	SW	4	c	61	85	56	8	5	-	-	7-8	9+	5700	1	*
	Felixstowe ...	21·6	+10	SSW	4	c	61	85	55	8	5	-	-	10	10	4000	0	4
	Gorleston ...	19·5	+12	SW'W	3	c	60	85	53	7	5	-	-	9+	9+	700	0	4
	Mildenhall ...	19·8	+10	SSW	3	bc	61	75	54	8	5	3	-	2-3	4-6	4000	0	*
	Cranwell ...	17·4	+12	SW	5	z_0	59	85	55	6	5	3	1	1	4-6	4000	0	*
3	Birmingham ...	18·7	+14	SW	3	c	59	85	54	7	5	-	-	10	10	1500	1	*
	Upper Heyford	18·9	+10	SW'S	4	c	59	85	53	8	5	-	-	9+	9+	2000	0	*
4	Ross-on-Wye	18·9	+12	SW	4	c	60	85	54	7	5	3	-	9	9+	2000	1	*
5	Hartland Point	18·8	+6	SW	4	c	60	85	56	7	5	4	-	7-8	9	2500	1	5
	Bristol ...	20·5	+10	SW'S	3	c	59	85	54	8	5	-	-	9	9	4000	1	*
	Portland Bill ...	21·7	+8	SW	5	c	61	92	59	8	5	-	-	10	10	4000	1	5
	Plymouth ...	21·8	+6	WSW	4	c/f	60	97	60	6	5	7	-	4-6	9+	1500	1	3
	The Lizard ..	21·0	0	W	5	c-bcq	59	92	57	7	7	3	-	7-8	7-8	2000	0	4
	Scilly (St. Mary's)	19·9	+2	SW'S	3	c	60	92	58	7	8	7	-	9	9+	1200	0	4
	Guernsey ...																	
6	Pembroke ...	18·8	+6	NW	3	dd	56	97	56	6	5	-	-	10	10	1000	1	3
7	Holyhead (Valley)	16·8	+12	SW	3	c-bc	56	85	50	8	8	7	4	4-6	7-8	2500	1	2
	Chester (Sealand)	17·0	+14	WSW	2	c	56	85	51	7	5	7	-	4-6	9	3500	1	*
8	Manchester ...	17·4	+18	W'S	2	c	54	92	52	7	5	7	-	7-8	9+	2000	1	*
10	Spurn Head ...	16·7	+16	SW	4	c	60	85	53	7	7	7	-	7-8	9+	2500	0	3
	Catterick (Sc) ...	15·5	+20	WSW	1	c-bc	54	85	50	7	5	3	9	2-3	7-8	5500	1	*
	Tynemouth ...	14·3	+14	WSW	2	z_0	55	75	46	6	8	3	2	2-3	4-6	2700	1	2
11	St. Abbs Head	10·2	+20	SW	1	b-bc	52	85	46	8	4	-	-	2-3	2-3	4000	0	3
	Leuchars ...	08·7	+36	WSW	5	b-bc	55	75	47	8	8	4	-	2-3	2-3	3000	0	*
12	Renfrew (Abbots L)	11·2	+22	SW'S	3	c/pr	53	85	49	8	3	6	4	4-6	9	1200	1	*
	Eskdalemuir ...	13·3	+28	SSW	1	c	49	85	46	8	5	-	-	10	10	1400	1	
	Point of Ayre ...	14·7	+22	W'N	3	bc	54	85	50	8	2	5	-	1	4-6	1800	0	2
13A	Tiree	09·5	+34	W'S	6	bc	54	85	50	8	2	3	1	4-6	4-6	2500	1	4
13B	Stornoway ...	03·2	+46	WSW	6	bc/pr	52	85	48	8	9	-	-	4-6	4-6	1200	1	4
15	Dalwhinnie ...	07·0	+26	SW	4	c-bc	50	75	43	8	8	-	-	7-8	7-8	2500	1	*
	Aberdeen † ...	07·3	+34	SSE	2	b-bc	52	85	49	8	5	-	-	2-3	2-3	1500	1	1
	Wick ...	02·5	+46	WSW	5	b-bc	53	75	45	9	5	-	-	2-3	2-3	2000	0	*
16	Sumburgh ..	97·6	+18	SW'W	7	pr	54	85	52	6	9	3	-	9	9+	1500	1	5
17	Blacksod Point	13·5	+18	W	3	c	54	85	50	7	8	-	6	4-6	9	1500	1	3
18	Malin Head ...	11·0	+26	WSW	6	c-bcjp	54	92	52	8	8	-	-	7-8	7-8	1500	2	5
	Aldergrove ...	14·4	+22	SW	3	c-bc	52	92	49	7	5	3	2	2-3	7-8	1500	1	*
19	Birr Castle ...	15·5	+16	SSW	1	c	50	92	48	8	5	-	5	4-6	9	2500	1	*
20	Valentia Obsy.	16·5	+6	NE'E	2	c	51	92	49	8	7	7	-	4-6	9+	4100	1	3
	Roches Point	17·4	+8	SW	2	ir	56	97	55	7	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 15th. Hrs. (38)
Kew	65	59	53	-	-	7·1
Croydon	68	57	54	-	Tr	7·2
S. Farnborough	67	57	51	-	-	8·0
Boscombe Down	64	56	55	-	-	6·2
Thorney Island	67	62	54	-	-	*
Lympne	*	53	47	-	-	1·3
Manston	69	54	50	-	-	6·8
Shoeburyness	70	56	50	-	-	[illegible]
Felixstowe	69	57	54	-	-	7·5
Gorleston	66	55	52	Tr	-	7·0
Mildenhall	67	55	53	-	-	9·9
Cranwell	63	56	54	-	-	8·2
Birmingham	61	56	54	-	-	6·4
Upper Heyford	63	57	56	-	Tr	*
Ross-on-Wye	62	58	56	-	-	3·7
Hartland Point	60	59	57	-	0·1	5·3
Bristol	63	59	55	-	Tr	2·4
Portland Bill	61	58	*	-	-	*
Plymouth	62	59	57	-	Tr	3·4
The Lizard	63	57	*	-	0·5	6·0
Scilly (St. Mary's)	64	58	*	-	Tr	5·3
Guernsey						
Pembroke	61	55	*	Tr	3	3·0
Holyhead (Valley)	62	55	51	Tr	1	*
Chester (Sealand)	65	55	53	Tr	1	5·3
Manchester	61	54	52	Tr	2	*
Spurn Head	63	54	*	-	-	9·1
Catterick (Sc)	60	51	45	-	Tr	1·6
Tynemouth	60	54	51	-	-	*
St. Abbs Head	60	51	*	-	Tr	*
Leuchars	60	53	49	-	Tr	2·5
Renfrew (Abbots L)	57	52	47	4	1	9·0
Eskdalemuir	58	47	44	3	10	0·0
Point of Ayre	64	53	-	-	0·1	3·0
Tiree	59	51	49	4	1	0·2
Stornoway	58	50	47	2	1	0·3
Dalwhinnie	51	47	43	0·2	1	0·6
Aberdeen †	59	51	47	Tr	0·3	2·5
Wick	59	53	50	Tr	-	*
Sumburgh	56	52	50	-	0·4	4·4
Blacksod Point	61	53	*	10	0·3	*
Malin Head	59	53		2	1	0·2
Aldergrove	59	50	47	0·8	1	0·0
Birr Castle	63	47	44	1	1	1·2
Valentia Obsy.	61	51	47	1	0·2	0·1
Roches Point	61	55	*	0·2	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 15th September C_L C_M	ww	V_h	N_h	DDFWN	18h. G.M.T. C_L C_M	ww	V_h	N_h	DDFWN	01h. G.M.T. 16th September C_L C_M	ww	V_h	N_h	DDFWN	07h. G.M.T. C_L C_M	ww	V_h	N_h	DDFWN
109	13	02	85	2	15425	57	61	85	5	48527	57	02	76	4	50527	83	02	74	5	55685
115	57	02	94	4	53526	52	62	78	5	20368	57	81	84	4	87786	84	02	74	4	87786
203																				
206	53	02	95	5	53627	57	02	94	6	18527	50	01	95	3	53613	50	01	95	2	53612
210	57	02	96	4	18325	57	02	96	4	16467	54	01	96	2	51523	54	01	96	2	53503
219	5-	62	64	5	16588	5-	25	64	4	18667	67	02	64	5	52787	84	02	75	3	22665
230	5-	02	74	8	14228	62	58	52	5	52468	8-	81	84	7	53587	3-	81	85	5	53485
245											54	01	75	1	55563	54	01	95	2	39503
260	5-	02	86	5	18426	5-	62	64	8	18668	14	05	66	4	20424					
278	59	02	85	5	16428	62	21	73	5	16568	57	02	84	5	24427					
279	36	03	84	5	22726	52	64	64	5	51568	23	01	86	3	57554	26	01	85	3	24314
285	27	02	85	5	24527											23	02	74	4	24316
288	77	02	85	4	21424	57	02	74	4	18426	57	02	74	4	52526	03	02	89	0	18325
575	62	62	73	5	16468	67	21	83	5	53457	36	02	86	2	21466	53	01	86	4	19315
301	23	01	85	3	53424	5-	02	85	4	51528	53	51	84	5	21668	13	02	85	4	20325
321	74	02	76	5	23426	57	02	86	5	20427	57	02	75	5	18326	57	05	66	5	20067
299	14	01	86	3	24314											5-	02	75	7	22317
292	57	02	85	4	20427	57	17	65	5	18327	57	05	64	5	18328	55	02	85	3	20325
310	0-	01	63	5	24215															
614	17	02	75	4	53326	57	05	65	6	20427	57	05	65	4	20428	52	05	64	5	20427

III	13h. G.M.T. 16th September C_L C_M	ww	V_h	N_h	DDFWN	18h. G.M.T. C_L C_M	ww	V_h	N_h	DDFWN	01h. G.M.T. 16th September C_L C_M	ww	V_h	N_h	DDFWN	07h. G.M.T. C_L C_M	ww	V_h	N_h	DDFWN
333	23	02	86	4	57415						02	58	52	5	52558	57	02	76	5	24166
334	--	02	64	6	26317	--	03	64	6	26328						--	54	43	7	22258
340	73	02	96	4	22526	57	02	84	5	18427	53	02	86	4	22525	57	02	84	6	24167
136	20	02	85	4	22525	54	01	86	2	19513	57	02	86	7	20428	04	01	89	0	20422
336	53	02	75	4	20416	52	02	65	6	20428						62	62	62	6	20368
350	14	02	86	4	22325	50	02	76	5	20425	5-	02	75	3	18427	5-	02	84	4	20328
368	90	02	96	5	20325	5-	02	84	4	24428	5-	51	64	5	59428	87	05	65	5	55427
379	15	22	67	1	18359	5-	02	86	7	18527	57	21	74	5	55557					
390	10	02	76	5	22425	43	05	66	5	20425	5-	05	66	7	18427	5-	21	55	7	18358
382	/					5-	02	85	4	20427	57	02	86	7	21328	5-	02	86	7	21427
438	23	02	85	4	24427	83	01	76	3	22514	53	03	75	4	22615	8-	02	65	7	22627
430	10	01	95	3	52514	5-	02	75	6	20416	5-	02	85	7	55427	5-	51	74	5	20428
409	83	01	95	4	24424	5-	02	84	8	20328	5-	02	64	4	20428	5-	02	65	8	18428

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_h = Visibility F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 16th September. 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	Wbccy	cybc	bbcc	Kew 24 ended Max. [illegible]
Croydon	cbcc	cybcy	bccidc	0·1 7-11h 15th
Greenwich	bcy	bccy	cbc	Min. Time
Camden Square	b	bc	*	<0·1 Rest of Period
Kensington	bc	bc	*	
Hampstead	bc	bcp		

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % Today
Kew	65	59	53	-	-	7·1	*	*
Croydon	68	57	54	-	Tr	7·2	*	*
Greenwich	70	57	49	-	-	8·1	55	71
Westminster	67	59	54	-			71	81
Regents Park	67	58	54	-	-		49	70
Camden Square	67	58	54	-	-	*	*	73
Kensington	69	58	51	-	-		57	73
Hampstead	65	55	48	-	Tr		*	80

SECRET

Page 1

BRITISH SECTION

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

Friday 17th September 1943

No. 29884

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

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)	Hymid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	22.5	-2	SW	4	c	64	75	55	8	8	2	–	9	9+	2500
	Croydon ...	23.2	-4	WSW	4	c	65	65	54	8	5	–	–	7-8	9+	2500
	S. Farnborough	22.4	-6	SW	4	c	65	75	57	8	5	3	–	9	9+	2000
	Boscombe Down	21.6	-6	SW	4	9/d	63	85	57	8	5	–	–	10	10	1500
	Thorney Island	23.0	-2	SW	3	id₀	64	75	56	8	5	–	–	4-6	10	1500
	Lympne ...	24.0	-2	SW	5	c	63	75	56	8	5	3	–	10	10	1100
	Manston ...	23.3	-6	SW	4	c	66	65	55	7	5	–	–	9+	9+	2000
	Shoeburyness ...	22.7	-4	SSW	3	c	69	65	58	8	5	–	1	7-8	9	4000
	Felixstowe ...	22.3	0	SSW	4	c	70	65	56	8	5	7	–	4-6	9	4000
	Gorleston ...	20.8	+8	WSW	4	bc	68	75	59	7	2	–	1	4-6	4-6	2500
	Mildenhall ...	21.1	+4	SW	4	c	67	65	56	7	5	–	–	9+	9+	3500
	Cranwell ...	19.6	+6	SW'W	4	c	64	75	57	8	5	–	–	9+	9+	1200
3	Birmingham ...	19.6	-2	SSW	3	c	62	75	54	8	5	–	–	10	10	1500
	Upper Heyford	20.7	-2	SW	4	c	65	75	55	8	5	–	–	9+	9+	3500
4	Ross-on-Wye	19.6	-8	SW'W	4	c	65	65	54	7	5	3	–	4-6	9+	2500
5	Hartland Point	19.1	-6	SW	4	c/p	61	85	58	8	6	1	–	9	10	1500
	Bristol ...	19.9	-10	SSW	4	c	64	75	57	8	8	7	–	7-8	9+	4000
	Portland Bill ...	21.9	-4	SW	5	o	62	92	60	8	5	–	–	10	10	2500
	Plymouth ...	21.7	-6	SSW	4	c	62	92	60	7	5	2	–	7-8	10	2500
	The Lizard ...	20.6	-6	WSW	4	dod₀	60	97	60	6	5	–	–	10	10	1000
	Scilly (St. Mary's)	19.6	+2	SW'S	4	9/d	60	85	56	7	5	–	–	10	10	1000
	Guernsey ...															
6	Pembroke ...	18.1	-6	SW'S	6	r₀r₀	60	92	58	7	6	2	–	4-6	10	1500
7	Holyhead (Valley)	18.0	+2	SW'S	3	r₀r₀	55	85	52	5	–	2	–	10	10	200
	Chester (Sealand)	18.0	-2	—	0	ir₀	60	85	54	8	5	2	–	9	10	2000
8	Manchester ...	18.6	+2	S	3	id₀	57	97	55	6	5	2	–	7-8	10	1500
10	Spurn Head ...	19.7	+8	SW'W	2	c	59	85	53	7	5	–	–	9+	9+	1500
	Catterick (Sc) ...	17.2	+4	SW	3	ebc	62	75	53	8	7	6	9	4-6	7-8	3000
	Tynemouth ...	17.5	+6	SW	3	z₀	62	55	46	6	2	3	–	4-6	7-8	2700
11	St. Abbs Head	13.6	+8	WSW	4	ebc	60	55	48	8	1	6	–	4-6	7-8	3500
	Leuchars ...	13.9	+24	SW	5	c	61	55	46	8	8	4	5	4-6	9	2500
12	Renfrew (Abbots I.)	13.9	+8	SW	4	ebc	61	65	47	8	2	7	8	4-6	7-8	2500
	Eskdalemuir ...	15.5	+4	SW'S	4	ebc	59	55	45	8	8	3	–	4-6	7-8	2100
	Point of Ayre ...	16.6	+2	W	4	c	60	75	51	8	1	7	–	Tr	9+	2500
13A	Tiree ...	12.8	+10	WSW	5	c	58	85	52	8	2	6	2	4-6	9+	2500
13B	Stornoway ...	07.7	+20	SW	6	bc	59	65	47	8	8	–	–	4-6	4-6	1800
15	Dalwhinnie ...	12.0	+22	SSW	4	bc	57	65	44	8	8	–	–	4-6	4-6	2500
	Aberdeen ...	12.2	+20	SW	3	ebc	61	55	42	9	1	–	4	4-6	7-8	2500
	Wick ...	09.6	+26	WSW	6	pr	59	55	45	9	8	7	5	7-8	9	2500
16	Sumburgh ...	05.8	+34	SW	7	b-bc	55	75	49	8	2	6	–	1	2-3	1500
17	Blacksod Point	15.0	+2	SW'W	3	c	57	75	50	8	5	–	–	10	10	1500
18	Malin Head ...	13.6	+6	WSW	6	c	57	65	46	8	8	–	–	9	9	1500
	Aldergrove ...	15.8	+2	SSW	3	c	58	75	48	8	7	–	7	2-3	9	2500
19	Birr Castle ...	15.9	-2	SSW	1	ir	56	85	52	7	6	2	–	7-8	10	800
20	Valentia Obsy.	15.4	-6	NE	2	c/r	56	85	52	8	5	2	–	2-3	9+	1600
	Roches Point	15.8	-10	E'S	1	rr	54	97	53	6	6	2	–	4-6	10	800

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	°Temp. (21)	%Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	21.4	-4	SW'S	3	c	63	75	55	8	5	3	–	9	10	2500	1	•
	Croydon ...	22.2	-2	S	3	c	63	75	55	8	5	–	–	9+	9+	4000	0	•
	S. Farnborough	21.3	-6	SSW	3	c	62	75	55	8	5	–	–	9+	9+	2000	0	•
	Boscombe Down	20.6	-6	SSW	3	c	61	85	55	7	5	–	–	10	10	2500	0	•
	Thorney Island	21.5	-4	SW'S	3	c-bc	60	85	54	8	8	3	–	1	7-8	3500	0	•
	Lympne ...	22.8	0	SW	3	c	60	85	56	8	5	–	–	9	9	1500	0	§3
	Manston ...	22.9	+10	SW	4	bc	61	85	56	7	5	7	9	1	4-6	2500	0	•
	Shoeburyness ...	21.7	-4	SSW	2	c-bc	64	75	55	8	–	3	–	0	7-8	–	1	•
	Felixstowe ...	21.4	-2	WSW	4	c	64	75	56	7	5	9	–	7-8	9	4000	0	3
	Gorleston ...	20.3	-2	WSW	1	c	66	75	56	7	5	–	–	9+	9+	2000	0	3
	Mildenhall ...	20.2	-2	SSW	3	c	65	75	56	8	4	3	–	4-6	9	4000	0	•
	Cranwell ...	18.4	+2	SW'S	2	c	62	75	54	7	5	–	–	9+	9+	2000	0	•
3	Birmingham ...	18.0	-6	S'W	3	c	63	85	59	8	5	–	–	10	10	1500	1	•
	Upper Heyford	19.7	-6	SW'S	3	c-bc	62	75	55	8	5	4	6	4-6	7-8	4100	0	•
4	Ross-on-Wye	18.1	-8	SW'S	3	c	62	85	57	7	5	1	–	9	9+	2500	1	•
5	Hartland Point	17.2	-10	SW	3	ir₀	60	97	59	6	5	2	–	9	10	800	1	4
	Bristol ...	19.4	-6	S	3	c	61	85	55	8	5	9	–	4-6	9+	5700	1	•
	Portland Bill ...	20.6	-6	SW	4	c	62	85	59	8	5	–	–	10	10	4000	1	4
	Plymouth ...	20.2	-2	SW'S	4	c	60	97	60	7	5	7	–	7-8	10	2000	1	3
	The Lizard ...	18.8	-6	S'W	5	o/d	59	97	59	6	5	–	–	10	10	1000	1	5
	Scilly (St. Mary's)	17.3	-6	SW	5	o/p	60	85	56	7	5	–	–	10	10	1200	0	5
	Guernsey ...																	
6	Pembroke ...	16.7	-4	SSW	5	PR	59	97	58	6	6	2	–	4-6	10	1800	1	3
7	Holyhead (Valley)	15.2	-18	S'E	4	z₀	59	97	57	6	5	–	–	7-8	10	400	1	3
	Chester (Sealand)	16.3	-10	NNW	1	r₀r₀	59	92	57	6	5	2	–	4-6	10	1500	1	•
8	Manchester ...	16.7	-10	S	3	z₀	60	85	56	6	5	7	–	7-8	10	3000	1	•
10	Spurn Head ...	18.8	-6	S	3	c	61	85	57	7	5	7	–	4-6	9+	1500	0	3
	Catterick (Sc) ...	17.0	+2	–	0	rr₀	54	97	54	6	6	2	–	4-6	10	1000	1	•
	Tynemouth ...	17.7	+2	SW	3	S/pr	58	75	51	6	5	–	–	9+	9+	2600	1	2
11	St. Abbs Head	14.4	+4	SW	3	c	56	75	48	8	5	7	–	7-8	9+	3500	0	3
	Leuchars ...	14.3	+4	SW	2	c	57	75	49	6	4	7	–	4-6	9+	6000	0	•
12	Renfrew (Abbots I.)	14.2	-2	SW	4	z₀	57	75	50	6	5	7	–	4-6	9	2000	1	•
	Eskdalemuir ...	15.2	+4	SSW	3	pr	53	85	49	7	5	–	–	10	10	1400	1	•
	Point of Ayre ...	15.6	-8	SSW	2	ir₀	53	92	49	7	5	7	–	Tr	10	1600	1	
13A	Tiree ...	13.6	-6	WSW	4	c	53	92	51	9	2	5	–	4-6	9	2500	1	4
13B	Stornoway ...	09.2	+6	SW	4	pr	55	75	46	8	9	6	–	7-8	7-8	1800	0	2
15	Dalwhinnie ...	13.0	+10	S	2	c	51	75	42	8	5	–	9	4-6	9+	2500	0	•
	Aberdeen ...	13.1	+4	SW	2	c	58	65	48	8	5	7	–	2-3	9+	4000	1	1
	Wick ...	11.1	+12	SW	3	c	55	85	51	8	2	4	2	2-3	9+	2200	0	•
16	Sumburgh ...	08.5	+14	SW	6	c-bc	55	85	49	8	1	4	6	Tr	7-8	2500	0	4
17	Blacksod Point	15.1	+2	W'N	2	c	55	75	48	8	8	–	–	9+	9+	2500	1	2
18	Malin Head ...	14.2	+4	W	3	PR	56	75	48	8	4	2	–	4-6	7-8	1500	2	4
	Aldergrove ...	14.7	-8	S'E	2	c	55	85	51	7	8	7	–	4-6	9+	2500	1	•
19	Birr Castle ...	14.1	-6	NNW	1	rr	53	92	51	7	6	2	–	4-6	10	800	1	•
20	Valentia Obsy.	15.2	+4	N	3	bc	55	85	51	8	2	–	–	4-6	4-6	2500	1	3
	Roches Point	13.1	-4	N'E	4	c/r	53	97	52	8	6	2	–	4-6	9+	1500	1	4

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 16th (39)	Weather. 13h.–18h. 16th (40)	Weather. 18h. 16th to 1h. 17th (41)	Weather. 1h.–7h. 17th (42)
1	London (Kew)	cirbc	c	c	cbcm₀w
	Croydon ...	ccirbc	c	cbcc	ccm₀bcm₀w
	S. Farnborough	cidbc	cpgc	cbcm₀	bcm₀wcm₀
	Boscombe Down	ccid₀	c	c	cfc
	Thorney Island	ccid₀	c	cbcc	cbcwcwfq
	Lympne ...	c	cbc	bcwbw	bw'bcw
	Manston ...	cdbc	c	bcm₀	cbcm₀w
	Shoeburyness ...	c	c	cbc	bcw
	Felixstowe ...	c	cbcc	bbcc	cbcb
	Gorleston ...	bc	bcc	cpgbcw	cbc
	Mildenhall ...	bcc	bcc	bcm₀	bccm₀c
	Cranwell ...	cmbc	c	ccm₀	cm₀
3	Birmingham ...	cir₀	c	c	cor₀
	Upper Heyford	cbcc	cbc	c	ccm₀
4	Ross-on-Wye	cc	cc	c	cpc
5	Hartland Point	crbc	circ	cir₀rc	cir₀rrr
	Bristol ...	cbccirbc	cicrc	c	cwcrr₀m₀
	Portland Bill ...	o	cc	c	corr
	Plymouth ...	cidmbc	circ	cm₀c	cr₀r₀m₀
	The Lizard ...	crrdd	rrido	oprdd	idrrc
	Scilly (St. Mary's)	cp₀id₀	cid	cir₀	ir₀p₀bc
	Guernsey ...				
6	Pembroke ...	ddcr₀rq	cr₀rm₀	cir₀q	prcq
7	Holyhead (Valley)	cr₀r₀m₀	cr₀rm₀	crrm₀	cirrm₀c
	Chester (Sealand)	cir₀	ir₀rc	crrm₀	cr₀r₀m₀
8	Manchester ...	cdom₀	d₀d₀rm₀	ir₀r₀r₀m₀	cir₀irm₀
10	Spurn Head ...	c	c	c	c
	Catterick (Sc) ...	cbcc	ccrrm₀	cir₀m₀	cr₀r₀m₀
	Tynemouth ...	bccm₀	cm₀p₀	cm₀oirm	oirmrr
11	St. Abbs Head	bcc	c	cr₀	crr
	Leuchars ...	bccy	cyccm₀	cm₀rm₀	rrm₀cm₀c
12	Renfrew (Abbots I.)	cbcc	ccm₀	cm₀r₀r₀r₀	cir₀bcr₀g₀c
	Eskdalemuir ...	c	cpr	crr	crrc
	Point of Ayre ...	bcc	cr₀r₀	orr	r₀r₀c
13A	Tiree ...	bcwprc	c	bbccpr₀bcc	bcwbcpr₀c
13B	Stornoway ...	bcc	bcbccpr	cpr₀bcc	cbccpr₀
15	Dalwhinnie ...	cbc	bcpgc		c
	Aberdeen ...	bcwcy	bcwyc	c	cw
	Wick ...	bccbc	cpgbcc	cb	b
16	Sumburgh ...	cprmobc	bcc	c	c
17	Blacksod Point	c	c	pr	c
18	Malin Head ...	pr	c	pr	bc
	Aldergrove ...	c	c	id₀r₀r₀c	cbc
19	Birr Castle ...	r	r		bc
20	Valentia Obsy.	r	bc	pr	pr
	Roches Point	r	r	bc	b

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

Districts	Forecast
1 S.E. England 2 E. England .. 3 E. Midlands ...	Winds south to southwest light becoming northerly light to moderate; becoming cloudy with some rain, with thundery characteristics locally especially in the east; bright periods tomorrow; close today then cooler.
4 W. Midlands	Winds variable early, becoming northerly moderate; cloudy with light rain early then considerable fine periods; becoming rather cool.
5 S.W. England 6 South Wales 7 North Wales	Moderate northerly winds, fresh locally on the coast; considerable fair periods; coastal showers; rather cool.
8 N.W. England 9 N. Midlands ...	As 4.
10 N.E. England	Wind northerly moderate, backing later; dull, rainy early; brighter intervals tomorrow but showers near the coast; cool.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Wind west to northwest moderate, backing slowly tomorrow; showers and brighter periods at first; then mainly fair but cloud increasing later; rather cool.
16 Orkneys and Shetlands 17 N. W. Ireland 18 N. E. Ireland	As 11 – 15.
19 S. E. Ireland 20 S. W. Ireland	Light to moderate north to northwest winds; fair to fine; rather cool.

GENERAL INFERENCE

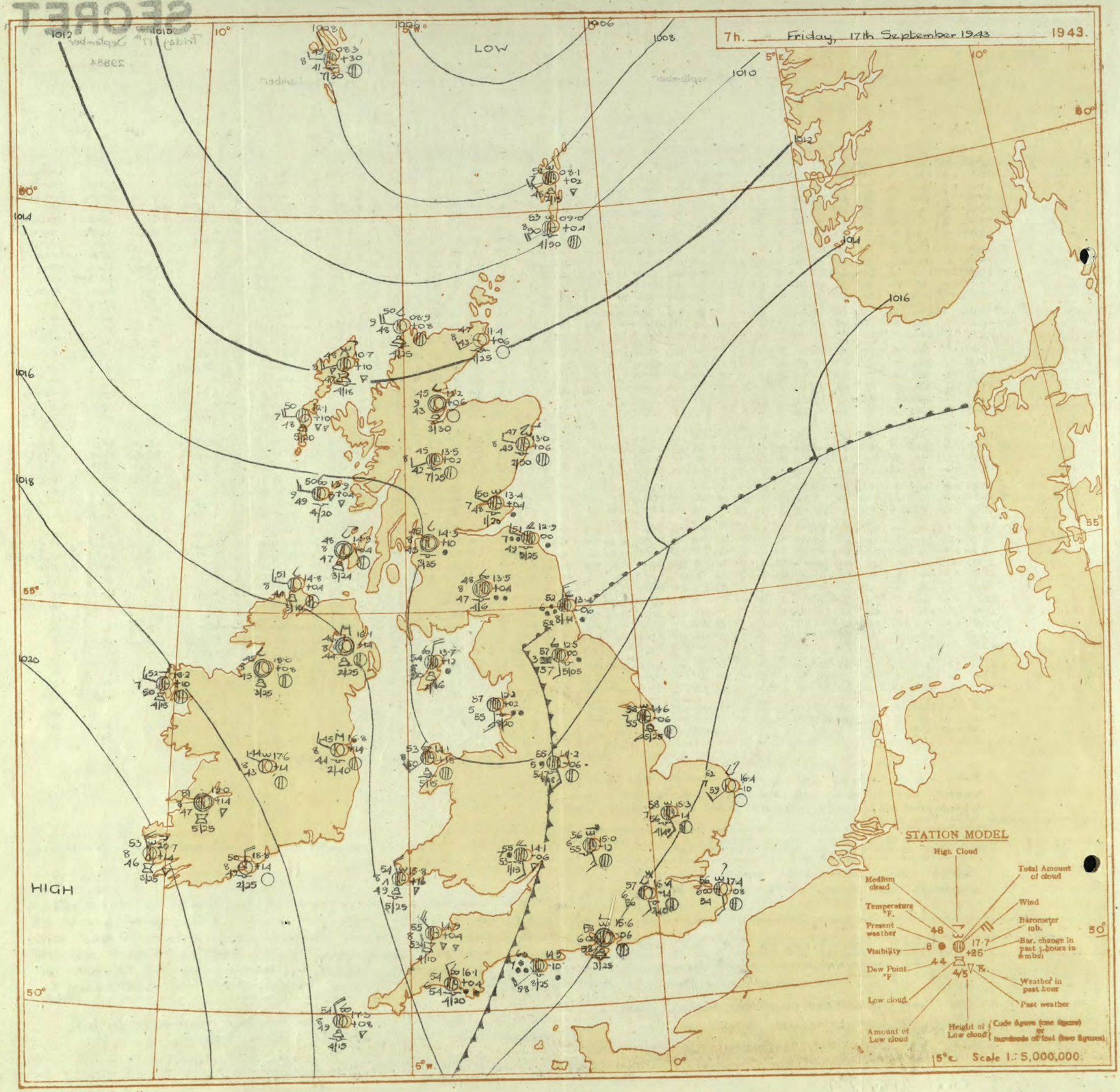
A large anticyclone is centred north of the Azores and an associated ridge over the eastern North Atlantic will slowly spread in over the British Isles as a shallow depression over Northeast England moves away. Cool rather showery conditions will prevail in the North and West but in the southeastern half of the country there will be some rain for a time with a thundery tendency locally and conditions will be close.

FURTHER OUTLOOK

Some rain in Northwest districts spreading southeastwards, but amounts often small; becoming cloudy generally.

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 exititence 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 summertime.

Page 4.

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

BRITISH SECTION

Friday 17th September, 1943

No. 29884

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

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	19.5	-20	S	2	c	55	97	54	7	5	3	2	2-3	9	3500
	S. Farnborough	226	18.1	-18	SSE	1	z0	55	97	54	6	5	5	2	1	9	4000
	Boscombe Down	417	17.7	-16	S'E	2	c	57	97	56	8	5	-	7	7-8	10	2000
	Thorney Island	10	18.0	-20	SE'E	2	c	61	92	59	8	5	3	-	7-8	9+	3000
	Lympne	283	19.6	-20	ESE	3	bc	57	92	55	7	-	-	-	0	0	-
	Manston	154	19.5	-20	SE'S	4	z0	58	92	55	6	-	3	-	0	9	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	19.4	-24	SSE	3	c	62	85	57	7	-	3	-	0	9	-
	Gorleston	5	19.6	-16	SW'W	2	c-bc	57	92	55	7	-	-	8	0	7-8	-
	Mildenhall	15	17.7	-22	S'E	3	z0	57	92	55	6	-	3	2	0	7-8	-
	Cranwell	203	16.0	-16	SSW	4	z0	57	97	55	6	-	7	-	0	9+	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17.8	-12	S	2	c	56	97	54	7	-	4	7	0	9+	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14.1	-12	SW	4	c/pr	60	92	57	7	5	2	-	7-8	10	800
	Bristol	209	17.0	-16	S	1	c	58	92	55	8	5	7	-	7-8	10	1500
	Portland Bill	32	17.0	-18	SW	3	c	60	92	58	8	5	-	-	10	10	4000
	Plymouth	86	16.3	-18	S'W	4	c	60	97	60	7	5	-	-	7-8	10	1500
	The Lizard	240	15.9	-14	W	4	d0d0	55	97	54	6	5	-	-	10	10	800
	Scilly (St. Mary's)	163	16.1	+6	NW'N	5	ir0	55	92	53	7	8	-	-	9+	9+	1200
	Guernsey	175															
6	Pembroke	142	13.2	-16	SW'S	4	ir0	56	97	56	8	8	-	-	7-8	7-8	1500
7	Holyhead (Valley)	32	12.5	-10	S	4	rr	58	97	57	5	5	-	-	10	10	1300
	Chester (Sealand)	16	13.2	-22	SSE	2	c/r	58	92	56	6	5	2	-	7-8	10	2200
8	Manchester	230	14.4	-18	S'E	4	z0	59	85	56	6	5	3	-	4-6	9	2500
10	Spurn Head	29	16.3	-12	S'W	4	c	59	85	55	7	7	-	-	9+	9+	1500
	Catterick (Sc)	192	14.5	-12	S	1	r0r0	57	97	57	5	5	2	-	7-8	10	500
	Tynemouth	108	15.0	-20	S	3	m	54	97	54	4	5	-	-	10	10	1500
11	St. Abbs Head	280	13.5	-6	W	2	c	52	92	49	8	5	-	-	10	10	4000
	Leuchars	36	13.5	-8	—	0	rr	52	92	50	6	5	2	-	7-8	10	2800
12	Renfrew (Abbots I.)	19	13.9	-2	—	0	ir0	51	97	50	6	5	2	-	7-8	10	1600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	13.5	-6	NNE	3	rr	52	97	51	7	6	2	-	10	10	2500
13A	Tiree	44	13.6	0	W	2	b-bc	49	92	46	8	1	3	-	2-3	2-3	2500
13B	Stornoway	12	09.5	-6	SW	4	c-bc	50	85	46	8	3	5	-	4-6	7-8	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	13.0	-2	WSW	2	c	50	85	45	8	-	7	-	0	9+	-
	Wick	114	11.3	0	SSW	3	b	48	92	44	9	-	3	-	0	Tr	-
16	Sumburgh	19	09.0	-2	SSW	5	c	53	85	47	8	2	3	2	1	9	2000
17	Blacksod Point	18	16.7	+2	WNW	3	bc	51	75	43	8	8	-	-	4-6	4-6	2500
18	Malin Head	84	14.1	0	W	2	c-bc	52	75	44	8	2	3	1	4-6	7-8	1500
	Aldergrove	268	14.7	0	WNW	2	c	51	97	49	7	5	-	-	9+	9+	5700
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18.0	+10	NNW	3	b-bc	53	85	48	8	2	-	-	2-3	2-3	2500
	Roches Point	22	16.0	+10	N	4	b	52	92	50	8	5	-	-	Tr	Tr	2500

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

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)	15.2	-12	S'E	1	z0	57	97	56	6	5	3	4	1	2-3	4000	1	*
Croydon	16.4	-14	S'E	2	bc	57	97	56	6	5	4	6	1	4-6	4000	0	*
S. Farnborough	15.1	-14	S'E	2	z0	56	97	55	5	-	8	4	0	7-8	-	0	*
Boscombe Down	15.3	-2	S'W	1	c	56	97	56	7	-	3	6	0	9+	-	0	*
Thorney Island	15.6	-6	—	0	z0	58	97	58	6	8	3	5	2-3	4-6	2500	0	*
Lympne	16.3	-8	SSE	1	z0	59	92	56	6	-	7	4	0	4-6	-	0	§ 2
Manston	17.4	-8	SE	2	z0	56	92	54	6	-	3	4	0	4-6	-	0	*
Shoeburyness	16.6	-14	S'E	3	bc	61	92	58	7	-	3	1	0	4-6	-	1	*
Felixstowe	16.4	-18	SSE	3	b-bc	62	85	57	7	5	-	-	2-3	2-3	4000	0	2
Gorleston	16.4	-10	SW'W	2	b-bc	62	92	59	7	-	4	4	0	2-3	-	0	3
Mildenhall	15.3	-14	SE'S	2	c	58	92	56	7	5	3	9	4-6	9+	4000	0	*
Cranwell	14.0	-10	S'W	3	z0	56	92	54	6	7	7	6	1	9	3000	0	*
Birmingham	14.5	-2	SW	2	r0r0	54	92	52	7	6	2	-	7-8	10	1500	1	*
Upper Heyford	15.0	-12	SSE	3	z0	56	97	55	6	5	3	2	2-3	9+	1000	0	*
Ross-on-Wye	14.1	-6	S'E	2	ir0	55	92	53	7	6	2	-	Tr	10	1500		*
Hartland Point	14.9	+4	NW	4	c/pr	55	92	53	8	8	4	-	4-6	9	1000	1	4
Bristol	15.7	+2	SSW	1	d0d0	53	97	53	6	-	2	-	10	10	800	1	*
Portland Bill	14.5	-10	SW	4	fr	60	92	58	7	5	-	-	10	10	2500	1	4
Plymouth	16.1	+4	NW'W	2	c/r	54	97	54	6	5	7	-	4-6	9+	2000	1	1
The Lizard	16.3	+4	NW	4	c-bc	54	85	50	8	8	3	-	7-8	7-8	2000	1	4
Scilly (St. Mary's)	17.3	+8	NNW	4	bc	54	85	49	8	8	7	-	4-6	4-6	1500	1	4
Guernsey																	
Pembroke	15.8	+16	NW'N	4	cq	54	85	49	8	8	3	-	7-8	9	2500	1	3
Holyhead (Valley)	14.1	+18	SW	2	cjp	53	92	50	8	8	7	-	7-8	9+	1500	1	3
Chester (Sealand)	12.3	0	—	0	c/r	56	92	54	6	5	2	-	4-6	10	2000	1	*
Manchester	13.4	+2	S	3	c/r	56	92	54	6	5	7	-	7-8	10	2000	1	*
Spurn Head	14.6	-6	S'W	4	c	58	92	55	7	7	3	-	7-8	9	2500	0	4
Catterick (Sc)	12.5	0	S	1	rf	57	97	57	3	5	7	-	7-8	10	500	1	*
Tynemouth	13.4	-6	N	3	rr	52	97	52	6	-	2	-	10	10	1400	1	2
St. Abbs Head	12.9	0	WNW	1	r0r0	51	92	49	7	5	2	-	7-8	10	2500	1	2
Leuchars	13.4	+4	WNW	2	c	50	92	48	7	5	3	-	Tr	9	2000	1	*
Renfrew (Abbots I.)	14.3	+10	—	0	fg	45	97	45	8	5	4	-	2-3	4-6	3500	1	*
Eskdalemuir	13.5	+4	—	0	c/r	48	92	47	8	5	7	-	4-6	10	1600	1	*
Point of Ayre	13.7	+12	N'E	4	c	54	85	50	8	2	7	-	1	9+	1600	1	4
Tiree	13.9	+4	W	3	c-bc/pr	50	97	49	9	5	7	-	4-6	7-8	2000	1	2
Stornoway	10.7	+10	WSW	3	pr	48	97	47	8	9	6	3	4-6	7-8	1800	0	2
Dalwhinnie	13.5	+2	WSW	2	c	45	85	42	8	5	-	-	9+	9+	2500	0	*
Aberdeen †	13.0	+6	W	1	c	47	92	45	8	5	9	8	1	9	5000	1	1
Wick	11.4	+6	SW	2	b	47	85	43	8	5	4	-	Tr	Tr	2500	0	*
Sumburgh	09.0	+4	SW	4	c	53	85	50	8	5	3	-	4-6	9	5000	0	3
Blacksod Point	18.2	+10	WNW	3	c	52	85	48	7	3	-	3	4-6	9	1500	1	3
Malin Head	14.8	+4	W	3	bc	51	75	44	8	2	4	-	2-3	4-6	1500	2	2
Aldergrove	16.1	+14	—	0	b-bc	46	92	44	8	2	8	-	1	2-3	2500	1	*
Birr Castle	17.6	+14	WNW	1	b-bc	44	97	43	8	-	3	-	0	2-3	-	1	*
Valentia Obsy.	20.7	+14	NW'N	4	c-bc	53	75	46	8	3	3	3	2-3	7-8	2500	1	3
Roches Point	18.8	+14	N	4	b	50	97	49	8	5	-	-	1	1	2500	1	4

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 16th Hrs. (38)
London (Kew)	65	53	42	Tr	-	0.3
Croydon	67	55	52	-	-	1.0
S. Farnborough	66	54	47	Tr	-	1.3
Boscombe Down	65	50	49	Tr	-	0.3
Thorney Island	67	53	46	-	Tr	*
Lympne	*	53	49	-	-	3.3
Manston	67	54	47	Tr	-	2.3
Shoeburyness	70	58	50	-	-	2.7
Felixstowe	70	59	54	-	-	[illegible].4
Gorleston	69	52	52	-	Tr	6.7
Mildenhall	68	56	51	-	-	3.3
Cranwell	66	55	53	-	-	1.7
Birmingham	63	54	50	Tr	0.5	0.2
Upper Heyford	67	55	53	-	—	*
Ross-on-Wye	66	55	54	-	0.6	0.3
Hartland Point	62	54	53	1	5	0.1
Bristol	68	53	52	0.1	2	3.2
Portland Bill	68	58	*	-	0.4	*
Plymouth	62	54	53	Tr	3	0.1
The Lizard	61	53	*	2	2	0.0
Scilly (St. Mary's)	60	54	*	Tr	·2	0.0
Guernsey						
Pembroke	61	52	*	3	11	0.0
Holyhead (Valley)	60	52	51	6	18	*
Chester (Sealand)	62	56	53	2	7	0.0
Manchester	60	56	55	2	3	*
Spurn Head	63	57	*	Tr	-	0.0
Catterick (Sc)	63	54	54	2	11	2.8
Tynemouth	64	52	51	0.2	10	*
St. Abbs Head	62	51	*	-	2	*
Leuchars	63	49	49	-	3	7.7
Renfrew (Abbots I.)	62	41	36	Tr	1	4.6
Eskdalemuir	60	47	46	Tr	6	0.0
Point of Ayre	63	51	*	1	12	4.9
Tiree	59	47	42	0.2	1	4.7
Stornoway	59	47	43	Tr	0.5	6.8
Dalwhinnie	58	37	35	Tr	-	6.1
Aberdeen †	63	46	42	-	-	6.7
Wick	62	44	36	Tr	-	*
Sumburgh	56	52	49	0.3	-	5.9
Blacksod Point	59	50	*	-	4	*
Malin Head	58	50		1	0.1	2.9
Aldergrove	60	44	37	-	4	4.7
Birr Castle	57	42	37	6	0.5	0.1
Valentia Obsy.	58	51	45	1	0.1	1.2
Roches Point	57	49		19	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 16th September $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 17th September $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	83	01754	55625	87	02854	54525	53	01751	10401	84	01854	20414
115							24	02954	20526	84	10954	24424
203	8-	02846	20526									
206	26	01953	22623	84	02953	22585	50	01952	18212	74	01963	00003
210	16	01963	53524							53	01962	16313
219	86	01853	22514	24	01854	22584	2-	01855	22585	2-	25755	24485
280	8-	10954	53487	83	10953	20325	83	01962	22113	83	01954	00064
245	84	02955	18427	87	02852	20227	52	61753	00068	07	02990	24165
260	26	01754	20424									
278	83	02854	20327	57	02852	14227	62	22845	00068	83	02854	28325
279	23	01863	22384	62	22733	22267	52	62646	04268	57	51745	32368
285	27	01854	24515	22	62635	24368				62	64625	26168
288	76	02855	20426	02	62648	18368	52	62646	16368	57	62655	17368
575	20	02863	18217	87	22755	00068	24	01852	00013	24	01853	00013
301	5-	52744	17358	62	61425	04268	62	62656	14268	5-	22558	16368
321	5-	05658	20228	57	05664	18368	51	05654	18328	57	05664	16327
294	5-	05657	22327	5-	05648	16228	51	01754	22315	54	22745	22466
296	12	02852	02327	62	64534	14168	52	41445	14268	57	05555	14368
310												
614	5-	08444	20127	57	05654	20227	57	02753	18327	57	05664	18226

III	13h. G.M.T. 16th September $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 17th September $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
388	02	63538	14268	62	61645	18468	52	64516	18368	52	21746	30357
334				--	54537	26153	--			--	03647	22228
340	52	02855	20358	52	61755	20328	5-	02757	16367	52	62858	16268
136	5-	02868	20328	52	01863	19224	55	02662	24267	45	02853	16227
386	53	02754	20416	52	51646	20358				57	02754	20426
850	5-	02754	20328	53	02653	18315	07	05690	14326	53	05652	16225
368	57	02845	20428	57	02744	20458	57	02656	20228	52	25844	24258
379	57	02844	53528	57	02814	53427	50	02733	18326	5-	42308	16348
390	5-	02765	18527	53	05666	16227	03	05690	16226	50	08465	14216
382	53	02856	21427	57	02856	18327	57	02763	16227	57	05663	16127
438	20	01753	22413	54	02765	16316				7-	02765	22115
430	50	02756	18327	53	01764	20215	53	02851	14127	53	43367	00048
409	5-	22885	18467	5-	51838	18458	52	61658	26368	83	02944	30467

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 September
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	cir0c	c	cbcmjw
Croydon	ccir0c	c	cbcmjw
Greenwich	c	c	cbcbwc
Camden Square	c	c	*
Kensington	c	c	*
Hampstead	obc	o	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ending 7h. Max. 0.1, Time 13-16h 16th. Min. <0.1, Time Rest of Period.

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	9h % To-day
Kew	65	53	42	Tr	-	0.3	*	*
Croydon	67	55	52	-	-	1.0	*	*
Greenwich	68	54	44	-	-	1.1	64	81
Westminster	68	57	50		-		70	87
Regents Park	67	56	48	—	—		58	81
Camden Square	67	56	49	—	-	*	*	83
Kensington	68	57	47	-	-		75	81
Hampstead	66	56	50	-	-		*	86

SECRET

Page 1

BRITISH SECTION

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

Saturday 18th September 1943

No. ....

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	14·1	-12	W	2	c	65	65	53	8	8	7	-	9	9+	4000
	Croydon	14·8	-10	W'S	3	c	66	65	54	8	5	3	-	2-3	9+	2500
	S. Farnborough	14·2	-4	WNW	2	cc	62	65	52	8	8	7	-	2-3	10	1800
	Boscombe Down	15·1	-6	WSW	1	cd	59	85	54	8	5	7	-	7-8	9+	2000
	Thorney Island	14·6	-6	W	2	c	65	75	61	8	5	7	-	4-6	9+	2500
	Lympne	15·2	-6	SSW	3	rr	59	92	57	1	-	2	-	10	10	800
	Manston	14·8	-4	SW	2	rc	62	85	57	6	5	2	-	2-3	10	4000
2	Shoeburyness	15·0	-10	SSE	2	c	65	75	56	8	5	7	-	4-6	10	5700
	Felixstowe	14·7	-12	SW	1	zo	66	75	59	6	-	7	-	0	10	5700
	Gorleston	14·9	-4	SSW	2	c	63	92	61	6	5	-	-	10	10	2500
	Mildenhall	13·4	-12	SW'W	3	c	67	65	53	7	5	7	-	2-3	9+	4000
	Cranwell	13·5	-2	W'S	2	c	61	75	53	8	8	-	-	10	10	4000
3	Birmingham	14·6	0	NW	3	o	56	85	51	6	6	2	-	9	10	1500
	Upper Heyford	14·1	-8	W'S	1	c/d	60	75	51	8	5	2	-	4-6	10	2600
4	Ross-on-Wye	14·9	+4	NW	3	c	59	75	52	2	7	3	-	9+	9+	3000
5	Hartland Point	17·4	+14	NNW	4	bcjp	56	75	49	8	2	6	-	4-6	4-6	2000
	Bristol	15·1	0	NW	2	c	61	75	53	8	8	3	2	4-6	9+	4000
	Portland Bill	15·5	-2	NW	3	c	61	85	51	8	5	-	-	10	10	4000
	Plymouth	17·2	+4	NNW	5	c-bc	60	75	53	8	2	6	-	4-6	7-8	2500
	The Lizard	18·3	+10	NW	5	bc	59	75	49	8	2	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	19·6	+12	NNW	5	bc	61	55	50	8	8	6	-	4-6	4-6	1800
	Guernsey															
6	Pembroke	18·2	+6	NNW	4	bc	58	75	49	8	2	-	-	4-6	4-6	2500
7	Holyhead (Valley)	16·7	+6	NWN	4	c-bc	57	85	53	8	8	3	-	4-6	7-8	2000
	Chester (Sealand)	15·0	+8	NNW	6	c-bc	58	75	48	8	8	3	-	4-6	7-8	2500
8	Manchester	14·0	+4	WNW	4	c	56	85	51	8	5	7	-	7-8	10	2000
10	Spurn Head	13·1	-12	WSW	3	bc	67	65	55	7	7	3	-	4-6	4-6	2500
	Catterick (Sc)	14·0	+8	N	2	ido	53	97	53	4	5	-	-	10	10	600
	Tynemouth	14·7	0	N	3	rr	52	97	51	6	-	2	-	10	10	1400
11	St. Abbs Head	14·3	+10	WNW	3	zo	54	85	51	6	5	2	-	7-8	9+	2500
	Leuchars	13·7	-4	WNW	2	bc	60	65	47	8	1	3	-	2-3	4-6	3000
12	Renfrew (Abbots I.)	14·5	0	W'N	3	bc	60	65	48	9	2	6	-	4-6	4-6	2000
	Eskdalemuir	13·9	+4	NW	1	c-bc	57	55	43	8	8	3	-	4-6	7-8	2100
	Point of Ayre	15·6	+8	N'W	4	b-bc	60	75	51	8	3	4	-	1	2-3	2500
13A	Tiree	15·4	+4	WNW	4	s/pr	56	85	52	9	8	6	-	7-8	9	2000
13B	Stornoway	12·7	+8	WNW	3	c	55	75	46	8	8	6	3	7-8	9	2200
15	Dalwhinnie		+2	SW	2	c	54	75	45	8	5	-	-	9+	9+	2500
	Aberdeen	13·4	0	N	1	bc	62	55	46	9	1	4	8	4-6	4-6	4000
	Wick	12·4	+6	W'N	2	cjp	54	85	50	9	8	4	-	7-8	9	2000
16	Sumburgh	11·2	+10	WSW	3	c-bc	55	75	48	9	3	6	3	4-6	7-8	1500
17	Blacksod Point	20·5	+8	WNW	4	c/pr	55	85	50	8	5	-	-	9+	9+	1500
18	Malin Head	16·7	+8	NW'W	3	pr	54	75	46	8	2	-	-	7-8	7-8	1500
	Aldergrove	16·6	+2	WNW	3	cbc/pr	55	75	48	9	8	4	-	7-8	7-8	1500
19	Birr Castle	18·8	+2	WNW	1	c	56	75	48	8	3	2	-	2-3	10	1500
20	Valentia Obsy.	22·6	+6	NNW	5	pr	55	85	50	8	3	-	-	9	9	2500
	Roches Point	20·1	+2	N	4	c-bc	58	85	53	8	3	3	-	4-6	7-8	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	14·1	+4	W'N	2	zo	59	85	53	6	8	7	-	Tr	10	2500	1	•
	Croydon	14·8	+4	WNW	2	c	59	85	53	6	5	7	-	9	9+	6500	0	•
	S. Farnborough	14·2	0	W'N	1	c	60	75	52	8	8	7	-	7-8	9+	3000	0	•
	Boscombe Down	15·2	+6	NNW	2	o	58	75	51	8	2	6	2	4-6	9	2000	0	•
	Thorney Island	14·8	0	W'N	1	c-bc	60	85	54	8	8	7	4	2-3	7-8	3000	0	•
	Lympne	14·1	-4	SSW	2	zo	60	92	58	6	2	7	-	2-3	10	1200	1	§
	Manston	13·9	-2	S'W	2	co	61	85	56	7	5	7	-	2-3	10	6000	1	•
2	Shoeburyness	14·0	-2	-	0	c/r	62	92	59	6	5	7	-	4-6	10	2500	1	•
	Felixstowe	14·0	+2	SW	2	ico	63	85	58	6	5	7	-	9+	10	1500	0	3
	Gorleston	12·8	-10	SW'S	3	u	63	85	59	7	6	2	-	7-8	10	1500	0	3
	Mildenhall	13·7	+10	WNW	2	c	60	85	55	7	5	7	-	4-6	9+	4300	0	•
	Cranwell	13·6	+8	W'N	3	c/r	57	83	53	6	5	7	-	7-8	9+	3500	0	•
3	Birmingham	15·1	+8	NW	3	zo	55	65	43	6	5	7	-	4-6	7-8	2500	1	•
	Upper Heyford	14·7	+6	NW	3	c/r	56	85	52	6	9	2	1	7-8	9	2600	1	•
4	Ross-on-Wye	15·9	+10	NW	2	bc/r	54	85	50	9	8	-	3	4-6	4-6	3000	1	•
5	Hartland Point	18·1	+8	NW	4	bc	56	75	47	8	2	6	1	4-6	4-6	2000	1	4
	Bristol	16·1	+14	NW	3	c	56	75	48	8	8	6	-	7-8	9	4000	1	•
	Portland Bill	16·5	+6	NW	4	c-bc	60	85	54	8	2	-	-	7-8	7-8	4000	1	4
	Plymouth	18·4	+10	NWW	4	b-bc	57	75	45	9	7	-	-	2-3	2-3	3000	1	3
	The Lizard	19·9	+6	NW	5	bc	55	75	46	8	2	-	-	4-6	4-6	2500	1	4
	Scilly (St. Mary's)	20·6	+6	NNW	5	bc	56	75	47	8	8	6	3	4-6	4-6	1000	1	4
	Guernsey																	
6	Pembroke	18·4	+2	NW	4	c-bc	57	97	57	8	9	6	-	4-6	7-8	2500	0	3
7	Holyhead (Valley)	17·2	+2	NW	4	c-bc	56	75	49	8	2	6	-	4-6	7-8	2500	1	3
	Chester (Sealand)	15·8	+8	NWN	3	b-bc	57	75	46	8	3	-	-	2-3	2-3	2500	1	•
8	Manchester	15·2	+10	NW	3	cbc/pr	55	75	47	7	2	6	-	7-8	7-8	2500	1	•
10	Spurn Head	13·3	0	NW	3	sro	59	85	54	6	5	2	-	7-8	10	1500	1	2
	Catterick (Sc)	14·7	+8	NNW	2	iro	50	97	50	7	5	7	-	7-8	10	3800	1	f•
	Tynemouth	15·1	+4	NNW	2	c/r	52	92	51	6	-	2	-	10	10	1600	1	2
11	St. Abbs Head	13·5	+2	-	0	bc	56	65	46	7	1	4	-	2-3	4-6	3500	0	2
	Leuchars	13·5	+4	WSW	2	c	59	75	49	9	4	4	-	9	9+	3500	0	•
12	Renfrew (Abbots I.)	14·6	+6	WNW	3	c-bc	54	75	47	8	8	6	-	4-6	7-8	3000	1	•
	Eskdalemuir	14·6	+10	NW'W	2	bc	53	85	45	8	5	4	-	4-6	4-6	2400	1	•
	Point of Ayre	15·8	+4	N	5	bc	56	85	49	8	2	6	-	2-3	4-6	2000	0	3
13A	Tiree	16·7	+12	NW	5	pr	53	92	50	9	8	-	-	7-8	7-8	2000	1	4
13B	Stornoway	14·9	+16	NNW	3	pr	51	92	49	8	8	6	-	7-8	7-8	1500	0	1
15	Dalwhinnie	15·5	+12	~	0	c	51	75	43	8	5	-	-	9	9	2500	0	•
	Aberdeen	14·6	+12	SSW	1	ico	54	75	45	7	5	7	-	7-8	9+	2500	1	1
	Wick	13·6	0	NW	3	bc	52	85	48	8	8	3	-	4-6	4-6	3500	0	•
16	Sumburgh	12·6	+14	NW'W	2	bjp	52	75	46	9	2	6	-	Tr	1	1500	0	2
17	Blacksod Point	21·9	+10	NW'W	4	c/d	53	85	48	7	-	-	6	7-8	9+	1500	1	3
18	Malin Head	17·4	+8	NNW	5	pr	54	75	46	8	2	-	-	7-8	7-8	1500	2	4
	Aldergrove	18·1	+14	NNW	3	c	52	85	49	9	5	7	-	7-8	9+	2500	1	•
19	Birr Castle	19·6	+10	WNW	2	c-bc	54	75	46	8	8	3	-	7-8	7-8	1500	1	•
20	Valentia Obsy.	23·4	+8	NNW	5	c/pr	54	85	49	8	3	-	-	9+	9+	2500	1	4
	Roches Point	20·6	+8	N	4	b-bc	58	75	50	8	2	4	-	1	2-3	2500	1	4

PAST 24 HOURS. Weather.

District	Stations	7h.–13h. 17th (39)	13h.–18h. 17th (40)	18h. 17th to 1h. 18th (41)	1h.–7h. 18th (42)
1	London (Kew)	mowbcc	cm	cbccmo	bcbmow
	Croydon	bcmoc	c	czobczbcm	bcmobmow
	S. Farnborough	cmoc	cid	cbcmob	bwbmb
	Boscombe Down	ccigdc	bcc	cciro bmow	bmow
	Thorney Island	cbcc	cidoc	bcbmow	bmowbcw
	Lympne	bcmcmrr	cmorrcm	cmo	bcmobmw
	Manston	coirmrm	crrm	ciroc	cmo
2	Shoeburyness	bccm	cmrr	cbcmo	bcbmow
	Felixstowe	bbcc	cmcr	c	cbcmo
	Gorleston	bcc	cm	cbc	cbcz
	Mildenhall	cbcc	ccyc	ciromocmo	cmo
	Cranwell	c	cmocirm	cmo	cmobcmo
3	Birmingham	omcr	bcz	bcb	bbc
	Upper Heyford	ccmido	cprrrcm	cmobcmob	bbcbmow
4	Ross-on-Wye	rcpocc	cbccfc	bcbb	bwc
5	Hartland Point	cbc	bc	bcprirpr	cpr
	Bristol	odmcrrcic	ccprmc	cbwbmow	bmowcmow
	Portland Bill	oc	cc	b	pr
	Plymouth	c	bc	bbcc	cpro
	The Lizard	bcebc	bc	bcprc	cbc
	Scilly (St. Mary's)	bc	b	bccpo	cpoc
	Guernsey				
6	Pembroke	bc	bcc	cpro	proc
7	Holyhead (Valley)	cprc	cbc	cpro	bccpro
	Chester (Sealand)	crrirc	bc	bcprocpr	procbc
8	Manchester	cirmc	bccpr	procido	procmom
10	Spurn Head	bc	cmgrr	cmo	cmo
	Catterick (Sc)	cidm	crrm	cmofgc	c
	Tynemouth	carrm	oddorm	pb cmo	bccmo
11	St. Abbs Head	crrm	cmbc	bcb	c
	Leuchars	cbc	bcyc	ccw	cwbccw
12	Renfrew (Abbots I.)	bcfgbc	bcprbc	bcprobcb	bbwbcfgw
	Eskdalemuir	c	cbc	bbc	bbc
	Point of Ayre	cbc	bc	bcc	pro cbc
13A	Tiree	cpr	cpr	prcbc	bcciro
13B	Stornoway	cprbcc	cbccpr	bcmocmocc	wcwcidoc
15	Dalwhinnie	c	c		c
	Aberdeen	cbcy	bcycirc	cirocbcw	bw
	Wick	bcjpcprcpr	cprc	bbcpro	bcprobc
16	Sumburgh	cprbc	dcprb	proc	cdoc
17	Blacksod Point	pr	d	pr	d
18	Malin Head	pr	pr	pr	c
	Aldergrove	bcprbc	c	c	c
19	Birr Castle	c	G	•	r
20	Valentia Obsy.	pr	pr	pr	pr
	Roches Point	pr	pr	bc	d

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 18th September 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	Light or moderate north or northwest winds, backing southwesterly; local showers and bright intervals at first; cloudy with occasional slight rain later; rather cold.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate southwest winds, freshening, reaching gale in exposed places later in the West and North; some bright periods in East at first but mainly cloudy with rain at times; rather cold.
16 Orkneys and Shetlands	As 12–15
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Moderate to fresh west to southwest winds; cloudy with rain at times; rather cold.

GENERAL INFERENCE

A ridge of high pressure is moving eastwards across Great Britain and will be followed by troughs of low pressure, associated with a deepening depression near Iceland; there will be bright intervals in most parts of Great Britain at first, but some local showers; cloudy conditions with rain at times, mainly slight in the South, will spread from west to all districts; southwesterly winds will freshen to gale on the northwest seaboard; it will be generally rather cold.

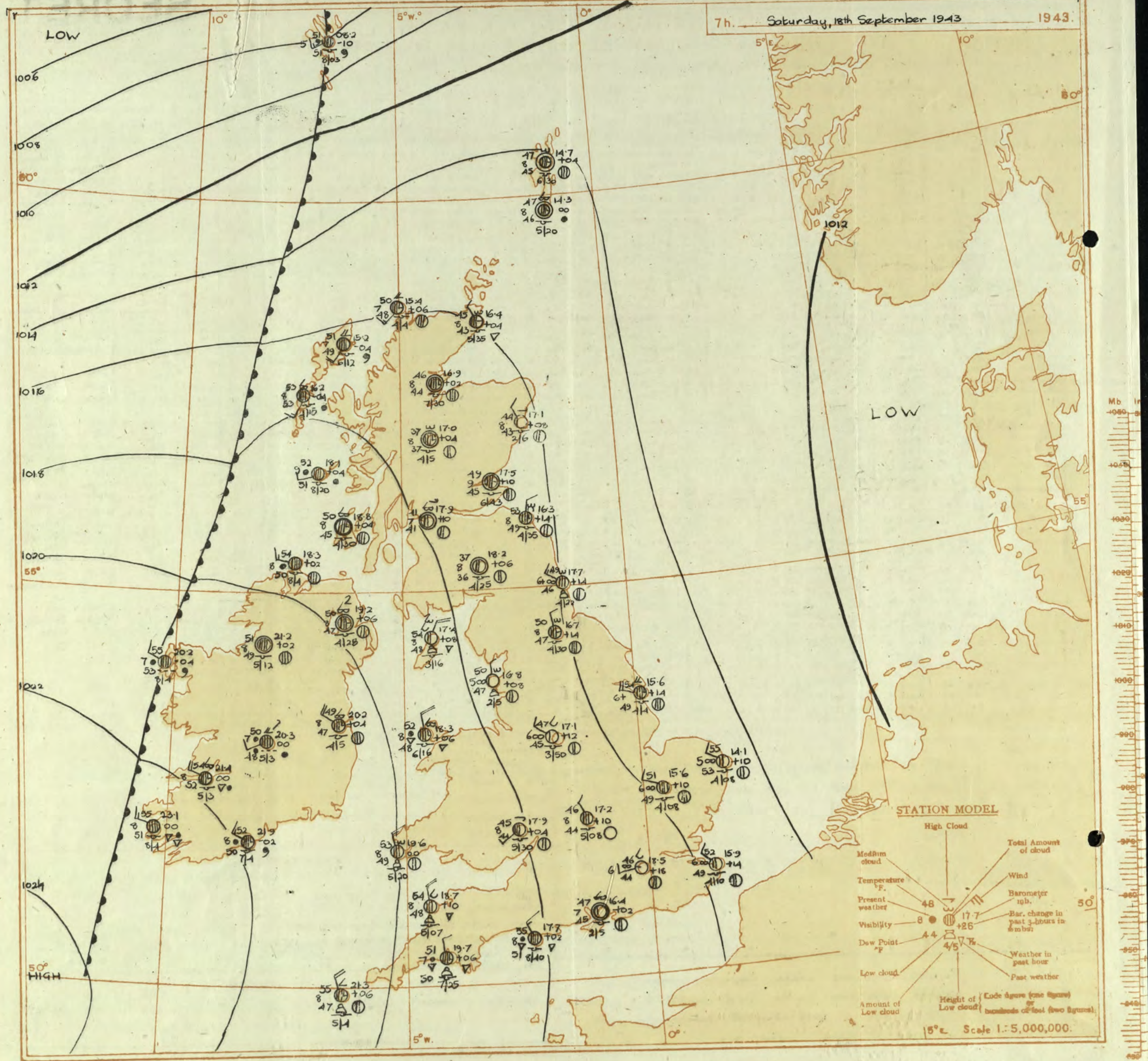
FURTHER OUTLOOK

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

Forecasts issued at 10·30

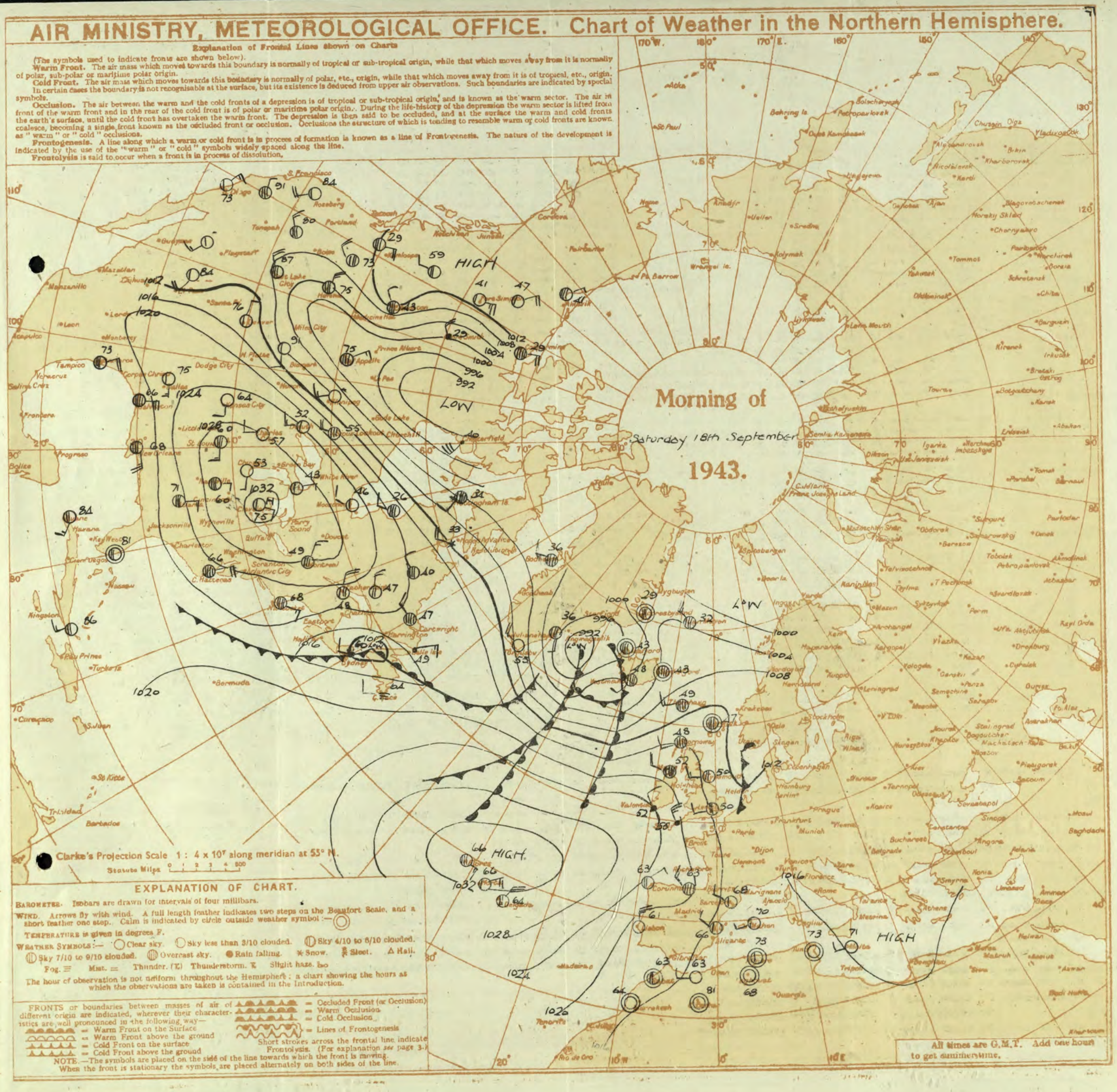
NELSON K. JOHNSON, K.C.B., D.Sc., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Saturday, 18th September 1943 1943.



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

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



Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

EXPLANATION OF CHART.

Barometer. Isobars are drawn for intervals of four millibars.

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

Temperature is given in degrees F.

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

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

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

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

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

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

BRITISH SECTION

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

Saturday 18th September 1943

No. 29885

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0-9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0-10 (13)	Cloud Amount Total 0-10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon	290	16.6	+6	WSW	2	Zo	50	85	47	5	-	-	1	0	4-6	-
	S. Farnborough	226	16.6	+6	WNW	1	b	47	92	45	7	-	-	2	0	1	-
	Boscombe Down	417	17.5	+6	NW	1	Zo	45	97	45	6	-	-	-	0	0	-
	Thorney Island	10	16.4	+6	NW	2	Zo	50	92	48	6	-	-	-	0	0	-
	Lympne	283	14.6	-2	NNW	3	Zo	54	85	50	5	-	3	-	0	9	-
	Manston	154	15.1	+6	NW	3	Zo	57	92	54	6	5	-	-	10	10	1200
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	14.4	0	W'N	3	c	58	85	53	7	5	-	-	10	10	2200
	Gorleston	5	13.1	-2	NW	2	Zo	56	92	54	6	-	8	8	0	2-3	-
	Mildenhall	15	14.6	+6	W'N	2	Zo	52	92	50	5	5	-	-	9+	9+	2000
	Cranwell	203	14.7	0	NW	2	Zo	52	85	48	6	5	-	-	7-8	7-8	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16.2	+4	NW	2	b	46	92	44	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18.1	-4	NW	3	pr	52	97	52	7	8	7	-	7-8	9+	1500
	Bristol	209	17.5	-2	—	0	b	44	92	42	6	-	4	-	0	Tr	-
	Portland Bill	32	17.5	+6	NW	4	b	54	75	48	8	-	-	-	0	0	-
	Plymouth	86	19.2	-2	ENE	1	cbc/pr	47	97	47	7	3	6	3	4-6	7-8	3000
	The Lizard	240	20.3	-4	NW	3	c	54	85	50	7	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	163	20.7	-2	N'W	5	pr	55	85	50	6	8	6	-	7-8	9+	1500
	Guernsey	175															
6	Pembroke	142	19.1	+4	N'W	4	c/pr	54	75	47	8	8	-	-	9+	9+	2500
7	Holyhead (Valley)	32	17.8	+2	NNW	6	pr	53	85	49	7	8	6	-	9+	10	2000
	Chester (Sealand)	16	16.1	-4	NNW	2	c/pr	53	92	50	7	8	6	-	7-8	9	2000
8	Manchester	230	16.0	+2	WNW	1	c/d	51	97	50	7	2	7	-	9	9+	3000
10	Spurn Head	29	14.4	+6	NW	4	Zo	54	97	53	6	5	2	-	7-8	10	1500
	Catterick (Sc)	192	15.1	+2	NW	1	c	50	92	48	7	5	-	-	9	9	4000
	Tynemouth	108	15.2	+4	W	3	Zo	50	85	45	6	5	-	-	4-6	4-6	1500
11	St. Abbs Head	280	14.2	-2	WNW	3	b	51	85	47	7	5	-	-	1	1	4000
	Leuchars	36	15.6	+4	—	0	c	52	85	48	8	5	7	-	4-6	9	5000
12	Renfrew (Abbots I.)	19	16.2	+6	WNW	2	b	46	92	44	8	-	4	-	0	Tr	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	16.5	+2	N	5	c	54	85	49	8	8	-	-	9+	9+	3000
13A	Tiree	44	18.0	-2	NW	1	cbc	48	97	47	8	1	3	5	1	7-8	2500
13B	Stornoway	12	16.0	0	SW	2	c	48	97	46	7	5	-	-	10	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	15.7	+4	NW	2	bc	49	85	45	8	-	3	-	0	4-6	-
	Wick	114	15.2	+4	NW	3	pr	48	97	48	8	3	-	3	2-3	4-6	2000
16	Sumburgh	19	13.7	+2	NNE	1	c	48	92	43	8	5	3	-	1	9+	2500
17	Blacksod Point	18	21.1	-10	W'N	2	c	53	85	49	8	5	-	-	10	10	1500
18	Malin Head	84	18.5	-2	WNW	4	c-bc	52	85	48	8	8	-	-	7-8	7-8	1500
	Aldergrove	268	18.8	-2	W'N	3	c	50	85	47	7	5	3	-	7-8	9+	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	23.9	-2	NW	2	c/pr	52	92	51	8	8	-	-	9+	9+	2300
	Roches Point	22	22.1	+2	N	4	cbc	53	85	49	8	5	3	-	4-6	7-8	2500

OBSERVATIONS at 7 hr. G.M.T. 18th September — 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 18th Hrs. (38)
London (Kew)	15.5	+12	W	1	Zo	50	85	47	6	-	-	-	0	0	-	1	*	65	48	34	-	Tr	1.2
Croydon	18.5	+18	W'S	2	Zo	46	92	44	6	-	4	-	0	Tr	-	1	*	67	45	40	-	Tr	2.5
S. Farnborough	17.6	+10	W'N	1	b	44	97	43	8	5	4	-	Tr	1	4000	0	*	68	43	36	-	-	2.6
Boscombe Down	18.1	+2	NW	2	fg	44	92	43	6	-	8	-	0	2-3	-	0	*	63	42	40	1	-	2.3
Thorney Island	16.4	+2	—	0	b-bc	47	85	45	7	5	7	-	1	2-3	2500	0	*	66	45	38	Tr	-	*
Lympne	16.7	+14	NNW	2	m	46	97	46	4	-	-	-	0	0	-	1	*	*	45	41	3	0.1	0.0
Manston	15.9	+14	NW'N	2	Zo	52	92	49	6	5	-	-	4-6	4-6	1000	0	*	63	51	50	1	Tr	0.0
Shoeburyness	16.8	+10	W'N	2	Zo	48	92	46	5	-	-	-	0	0	-	1	*	66	46	43	7	-	1.0
Felixstowe	15.4	+10	WNW	2	Zo	52	92	49	5	5	-	-	9	9	2500	0	2	66	51	50	-	Tr	1.[illegible]
Gorleston	14.1	+10	WNW	2	Zo	55	92	53	5	5	-	-	4-6	4-6	800	0	2	67	54	52	-	Tr	3.6
Mildenhall	15.6	+10	WNW	2	Zo	51	92	49	6	5	-	-	4-6	10	800	0	*	69	49	49	-	Tr	4.0
Cranwell	16.0	+10	NW	2	Zo	50	97	49	6	5	7	-	4-6	7-8	3000	0	*	66	49	45	Tr	-	2.6
Birmingham	17.2	+6	NW	2	Zo	49	92	47	6	5	-	-	4-6	4-6	2500	1	*	59	47	40	Tr	-	1.1
Upper Heyford	17.2	+10	NW'N	1	ebc	46	97	44	8	5	-	-	7-8	7-8	800	0	*	60	43	37	1	-	*
Ross-on-Wye	17.9	+4	SW	1	cbc	45	92	44	8	5	-	3	7-8	7-8	3000	1	*	61	41	36	4	-	1.5
Hartland Point	18.7	+10	NNW	4	cbc/pr	54	85	48	8	8	4	-	7-8	7-8	700	1	4	58	51	49	-	7	6.6
Bristol	18.1	+6	—	0	fg	48	97	47	6	5	7	-	2-3	9	4500	1	*	63	41	33	3	-	1.3
Portland Bill	17.7	+2	NW	3	pr	55	85	51	8	5	-	-	10	10	4000	1		61	54	*	-	Tr	*
Plymouth	19.7	+6	NNW	2	pr	51	92	50	7	8	-	-	9+	9+	2500	1	1	61	46	38	-	8	7.5
The Lizard	20.1	+4	NW	4	bc	53	75	45	8	8	6	-	4-6	4-6	2000	0		61	50	*	-	Tr	9.6
Scilly (St. Mary's)	21.3	+6	NNW	4	c	55	75	47	8	8	1	-	7-8	9+	1500	1	4	61	53	*	0.3	0.6	10.1
Guernsey																							
Pembroke	19.6	0	NNW	3	cbc	53	85	49	8	8	3	-	7-8	7-8	2000	1	2	59	51	*	Tr	3	8.7
Holyhead (Valley)	18.3	+6	N'W	4	pr	52	85	48	8	5	7	-	9	9+	1600	1	3	59	50	47	0.6	5	*
Chester (Sealand)	17.1	+10	—	0	c	51	92	48	7	8	3	-	4-6	9	2500	1	*	61	48	38	Tr	4	5.2
Manchester	17.1	+12	W'N	2	Zo	48	97	47	5	5	-	-	4-6	7-8	3000	1	*	60	47	42	0.3	0.4	*
Spurn Head	15.6	+14	WNW	4	c	54	85	49	6	5	2	-	4-6	9+	1500	0	2	68	52	*	Tr	Tr	4.1
Catterick (Sc)	16.7	+14	NNW	1	c	50	92	47	8	5	3	-	4-6	9	3000	1	*	58	45	40	2	0.1	0.0
Tynemouth	17.7	+14	WNW	3	Zo	49	85	46	6	2	3	-	4-6	7-8	2200	1	3	57	47	45	8	-	*
St. Abbs Head	16.3	+14	N	2	c	53	85	49	8	5	6	-	4-6	9+	2500	0	3	57	50	*	0.4	-	*
Leuchars	17.5	+10	—	0	c	49	85	45	9	5	-	-	9	9	4300	0	*	63	47	44	-	-	6.9
Renfrew (Abbots I.)	17.9	+10	—	0	bc	41	97	41	7	-	7	2	0	4-6	-	1	*	62	40	34	0.1	Tr	7.8
Eskdalemuir	18.2	+6	—	0	bc	37	97	36	8	5	-	-	4-6	4-6	2500	1	*	60	33	25	-	-	0.4
Point of Ayre	17.4	+8	NNE	4	bc	54	85	48	8	8	4	9	2-3	4-6	1600	1	3	60	53	*	-	0.1	7.7
Tiree	18.1	+4	WSW	1	ido	52	92	51	9	5	-	-	10	10	2000	1	1	57	47	41	0.3	1	6.1
Stornoway	15.2	-4	SSW	4	c	51	92	49	7	5	2	-	9	10	1200	0	2	57	44	36	Tr	Tr	5.7
Dalwhinnie	17.0	+4	—	0	c	37	97	37	8	5	3	-	4-6	9+	2500	0	*	58	35	29	-	-	5.6
Aberdeen †	17.1	+8	NW	2	b-bc	44	97	43	8	5	-	1	1	2-3	4000	1	1	62	43	39	Tr	Tr	5.0
Wick	16.4	+4	NW	1	c	45	92	43	8	5	3	-	7-8	9	3500	1	*	60	42	38	Tr	Tr	*
Sumburgh	14.3	0	—	0	c	47	97	46	8	5	7	-	7-8	9+	2000	1	2	56	47	46	0.4	0.1	6.6
Blacksod Point	20.2	-4	W'N	2	ido	55	92	54	7	6	-	-	10	10	1500	1	2	57	50	*	1	Tr	*
Malin Head	18.3	+2	W'N	3	ic	54	85	50	8	5	-	-	10	10	1500	2	2	56	51		1	Tr	5.1
Aldergrove	19.2	+6	—	0	c	50	92	47	8	5	7	6	4-6	9	2800	1	*	58	49	45	0.3	-	6.2
Birr Castle	20.3	0	WSW	2	ir	50	92	48	7	6	2	4	7-8	10	800	1	*	58	49	47	-	Tr	3.0
Valentia Obsy.	23.1	0	WNW	3	c/pr	55	85	51	8	5	-	-	10	10	1500	1	2	58	51	47	1	0.2	4.1
Roches Point	21.9	-2	WNW	3	ido	52	92	51	8	5	-	-	9+	9+	1500	1	3	60	52		0.1	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 17th September $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 18th September $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
109	37	81955	24485	8-	01853	25313	24	01853	26314	57	02965	22127
115				84	02854	28326	81	02854	28386	52	01744	20327
203												
206	3-	10955	24385	46	25965	00087	50	01863	28223	5-	02867	00027
210	23	02964	25315	46	02965	26316				53	01952	18313
219	86	02855	30487	80	02845	29415	5-	02857	23317	57	02844	18368
230	8-	25855	27385	8-	02957	24227	54	01961	28114	57	02953	00027
245	13	01952	12213	53	01864	10114	53	01961	30117	54	01962	24113
260	23	05654	28315	4-	05524	22326				53	05644	20224
278	26	01954	59514	86	01854	26414	5-	02867	59527	57	02953	29426
279	77	02864	30226	43	01854	28224	50	01863	28213	--	48109	04249
285	62	63626	08368							13	01852	32413
288	5-	45348	32348	52	57334	30358	5-	05667	26127	57	88466	28227
375	36	81865	30386	5-	61857	29327	57	02864	26225	5-	02845	00028
301	87	02855	28466	96	02855	28425	26	02863	30224	23	05552	32113
321	57	62664	22168	5-	05658	30468	5-	05655	28225	57	05655	30327
290				5-	05648	20328	5-	22748	30468	5-	05648	30428
292	57	21554	00057	52	05685	20468	53	05664	00026	57	05663	28365
310	--	02638		--	01624	26314				--	01634	26314
614	27	22653	22168	57	05653	28226	5-	08466	28126	53	05565	32226

III	13h. G.M.T. 17th September $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 18th September $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
388	23	02855	30487	36	01854	30315	2-	25746	30386	86	25756	31287
334				--	01660	26112						
340	77	02854	30325	86	02953	28224	53	01851	26113	5-	02664	28224
136	83	02865	18217	57	61767	25428	5-	61418	24368	5-	05636	25256
336	54	02754	28428	20	25753	28383						
350	87	02855	24228	67	35665	28287	00	00790	24110	03	05590	22101
368	83	01854	30324	40	01854	30284	07	01890	28115	57	02854	30127
379							00	00790	26200			
390	52	05655	22227	52	05666	24228	03	03690	28212	07	05590	24307
382	77	21855	23128				00	00790	00010	54	01790	00013
438	87	02745	18217	53	02754	22216	50	05662	30412	40	05662	28312
430	57	02744	23227	15	02762	20126	00	00890	31300	06	01790	00013
409	20	01955	28415	2-	02955	30315	2-	25857	31387	82	02944	30427

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 18th September

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	mowbcc	cmo	cbcmow
Croydon	bcmoc	c	bcmobmow
Greenwich	c	c	cbcbwm
Camden Square	bc	c	*
Kensington	bc	c	*
Hampstead	bc	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended [illegible]: Max. 0.2, Time 17-21h 17th; Min. 0.1, Time 10-15h 17th

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	48	34	-	Tr	1.2	*	*
Croydon	67	45	40	-	Tr	2.5	*	*
Greenwich	69	45	34	-	-	3.0	63	73
Westminster	68	47	40		-		73	87
Regents Park	67	46	41	-	-		69	77
Camden Square	67	47	42	-	-	*	*	83
Kensington	68	46	36	-	-		79	79
Hampstead	65	44	39	-			*	81

Page 1 BRITISH SECTION

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

SECRET

Sunday, 19th September 1943

No. 23836

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

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)	17.0	-2	N'W	2	c-bc	60	65	46	7	2	-	-	7-8	7-8	2500
	Croydon	18.4	+2	W'N	2	zo	62	65	48	6	2	-	-	7-8	7-8	3800
	S. Farnborough	17.2	-6	WNW	1	c-bc	54	65	45	8	8	-	-	7-8	7-8	2500
	Boscombe Down	17.6	-6	N'W	2	c-bc	62	55	47	9	2	-	5	2-3	7-8	3500
	Thorney Island	17.8	+2	S	2	c-bc	62	65	51	9	2	3	3	4-6	7-8	2500
	Lympne	17.5	+4	ENE	1	zo	62	55	47	6	2	-	-	7-8	7-8	2800
	Manston	17.2	+6	NNW	2	zo	60	75	52	6	2	-	-	2-3	2-3	2500
2	Shoeburyness	17.8	+2	-	0	zo	61	75	51	6	2	-	-	7-8	7-8	4000
	Felixstowe	17.5	+8	WNW	2	zo	61	75	52	6	5	-	-	9	9	1500
	Gorleston	14.9	+2	NE	2	c-bc	60	85	56	7	8	-	-	7-8	7-8	2000
	Mildenhall	17.0	+2	NW'W	1	zo	61	75	53	6	2	-	-	9+	9+	2500
	Cranwell	17.3	0	NNW	2	zo	58	85	52	6	2	-	-	9	9	1500
3	Birmingham	17.8	0	N	2	zo	55	75	47	6	5	-	-	9+	9+	4000
	Upper Heyford	17.6	-2	NNW	2	zo	58	75	48	6	2	-	-	7-8	7-8	2500
4	Ross-on-Wye	18.1	-4	N	2	c-bc	59	75	49	8	8	3	-	2-3	7-8	3000
5	Hartland Point	19.8	0	NNW	4	c/pr	55	75	48	8	8	4	-	7-8	9+	1500
	Bristol	18.7	-2	NNW	2	c-bc/pr	57	75	48	8	8	-	-	4-6	7-8	2500
	Portland Bill	17.9	-6	SE	3	o/bcq	57	85	53	7	9	-	-	10	10	2500
	Plymouth	20.3	-2	NNW	3	pr	54	92	52	7	8	7	3	7-8	9+	1800
	The Lizard	20.9	0	NW	4	c-bc/pr	56	85	52	8	8	6	-	7-8	7-8	2000
	Scilly (St. Mary's)	22.0	0	NW	5	c/pr	55	85	51	8	8	7	5	7-8	10	1500
	Guernsey															
6	Pembroke	20.3	+2	NNW	4	c-bc	58	97	58	8	8	4	-	7-8	7-8	2000
7	Holyhead (Valley)	19.6	0	NNW	3	cjp	55	85	50	9	2	7	-	7-8	10	1000
	Chester (Sealand)	18.1	+2	NW	3	b-bc	60	55	44	8	2	-	5	1	2-3	3500
8	Manchester	17.9	+6	WNW	2	c	56	75	48	7	2	-	-	9+	9+	3000
10	Spurn Head	17.0	0	NNW	5	iro	55	92	53	7	5	2	-	7-8	10	1500
	Catterick (Sc)	17.7	0	NE	2	zo	61	75	52	6	8	3	-	4-6	4-6	4500
	Tynemouth	19.2	+4	NNE	3	b-bc	58	85	52	8	2	3	-	2-3	2-3	3000
11	St. Abbs Head	17.2	-4	E	1	bc	58	75	52	8	1	-	-	4-6	4-6	2500
	Leuchars	17.1	-10	SW	3	bc	61	65	48	8	1	-	-	4-6	4-6	3000
12	Renfrew (Abbots I.)	17.6	-6	WSW	1	bc	62	55	47	8	1	4	-	4-6	4-6	2000
	Eskdalemuir	17.8	0	-	0	bc	57	65	46	8	8	-	-	4-6	4-6	2700
	Point of Ayre	18.6	0	N'W	2	c-bc	59	75	51	8	7	3	-	4-6	7-8	3000
13A	Tiree	17.1	-6	SSW	3	c/d	55	97	55	8	5	7	-	9	9+	600
13B	Stornoway	13.2	-10	SSW	5	c-bc	58	85	52	8	5	-	1	7-8	7-8	1300
15	Dalwhinnie	16.5	-4	SW	3	bc	57	65	46	8	5	4	-	2-3	4-6	2500
	Aberdeen	16.5	-10	SSE	3	b	58	75	49	8	1	-	1	Tr	Tr	4000
	Wick	15.0	-8	SSW	2	b-bc	60	75	51	9	1	6	1	2-3	2-3	3000
16	Sumburgh	13.8	-6	SSW	3	b-bc	54	75	45	9	4	4	5	Tr	2-3	2500
17	Blacksod Point	20.2	+2	W	2	ido	56	85	51	7	6	2	-	4-6	10	1500
18	Malin Head	17.8	-6	SW	2	ido	56	85	51	7	-	2	-	10	10	800
	Aldergrove	19.6	-2	SW'W	2	c	55	85	50	8	5	7	-	4-6	10	4000
19	Birr Castle	19.9	-10	WSW	1	c	58	85	53	8	3	2	-	2-3	10	1500
20	Valentia Obsy.	22.3	-4	WNW	3	c	57	85	52	7	5	-	-	10	10	2200
	Roches Point	22.0	-2	WNW	1	c	66	85	51	8	6	2	-	4-6	9+	1500

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

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)	17.6	+4	NW'W	1	b-bc	59	63	47	6	5	-	3	1	2-3	4000	1	•
Croydon	18.5	+4	WSW	1	fg	59	65	47	5	8	-	1	2-3	2-3	3000	0	•
S. Farnborough	18.2	+10	W'S	3	bc	57	75	48	8	8	6	3	4-6	4-6	3500	0	•
Boscombe Down	18.8	+10	-	0	pr	52	85	48	7	8	-	3	7-8	9+	4400	1	•
Thorney Island	18.3	+6	W	2	bc	55	76	48	8	9	4	-	2-3	4-6	4000	0	*
Lympne	18.3	+10	SW	2	b	55	85	49	7	1	-	-	Tr	Tr	2500	0	2
Manston	17.6	+6	S'E	2	zo	58	75	53	6	8	3	-	4-6	7-8	3000	0	•
Shoeburyness	18.0	+2	-	0	zo	59	75	51	6	-	6	-	0	Tr	-	1	•
Felixstowe	18.1	+12	SW'S	2	zo	59	75	52	6	2	-	-	1	1	2500	0	2
Gorleston	17.0	+8	•	0	bc	60	85	54	7	8	4	-	4-6	4-6	1500	0	2
Mildenhall	17.7	+10	N'W	2	zo	57	85	54	6	2	-	-	4-6	4-6	4000	0	•
Cranwell	18.2	+8	N'W	1	zo	54	92	52	6	5	4	-	7-8	7-8	1500	0	•
Birmingham	18.4	+6	NNW	2	zo	57	65	43	6	5	-	-	2-3	2-3	4000	1	•
Upper Heyford	17.7	+2	NNW	1	pr	57	75	49	6	9	-	-	7-8	9	2800	0	•
Ross-on-Wye	18.2	+4	N'W	1	bc	58	75	49	8	8	-	-	4-6	4-6	3500	1	•
Hartland Point	19.8	+2	NNW	4	c/pr	55	85	50	8	8	6	-	7-8	9	1000	1	4
Bristol	18.9	+10	NW	3	c-bcjp	57	75	50	8	8	6	-	7-8	7-8	4000	1	•
Portland Bill	18.7	+4	W	2	c	55	85	51	8	2	4	-	4-6	9	4000	1	4
Plymouth	20.4	+2	NNW	3	c-bc	54	92	52	8	8	6	-	4-6	7-8	2000	1	2
The Lizard	21.0	+2	NW	4	c	54	85	49	8	8	2	-	9	10	1300	0	3
Scilly (St. Mary's)	21.7	-2	NW'W	3	ro ro	53	92	51	7	8	-	-	9+	9+	1200	1	4
Guernsey																	
Pembroke	20.7	+2	NW'N	4	rr	54	92	52	8	8	4	-	7-8	9+	2000	1	2
Holyhead (Valley)	19.7	-2	-	0	b-bc	53	92	50	9	2	7	-	1	2-3	2000	1	1
Chester (Sealand)	18.8	+4	NNW	2	c	55	75	48	8	1	7	8	Tr	9	3500	1	•
Manchester	18.3	+6	SSW	2	zo	54	85	50	6	4	3	-	7-8	7-8	2500	1	•
Spurn Head	17.3	+4	NNW	4	c	56	92	54	7	8	2	-	9	10	1500	0	3
Catterick (Sc)	18.1	+2	ESE	1	b	57	85	52	8	2	3	-	Tr	1	3500	0	•
Tynemouth	18.8	-4	S	3	bc	55	85	50	7	2	4	-	2-3	4-6	3000	1	2
St. Abbs Head	16.0	+2	ESE	1	b-bc	55	85	51	8	1	4	-	1	2-3	3500	0	2
Leuchars	15.7	-6	W	2	b-bc	58	65	48	8	-	4	5	0	2-3	-	0	•
Renfrew (Abbots I.)	17.2	+2	SSW	2	c	56	85	50	8	5	-	-	9	9	2000	1	•
Eskdalemuir	17.3	0	S'W	1	b	55	75	46	8	-	-	-	0	0	-	1	•
Point of Ayre	18.5	0	NW'W	2	b	57	75	50	8	1	-	5	Tr	1	2500	0	
Tiree	15.9	-6	SW	4	ido	55	97	54	7	5	-	-	10	10	1000	1	3
Stornoway	11.0	-10	SW	5	c	56	85	50	7	5	-	-	10	10	1500	0	4
Dalwhinnie		-4	SW	3	o	52	75	45	8	5	-	-	10	10	2500	0	•
Aberdeen	14.6	-10	SSW	2	b-bc	55	85	49	7	4	7	5	Tr	2-3	4000	1	2
Wick	12.8	-12	SSW	3	c	56	85	52	9	5	7	6	4-6	9	3000	0	•
Sumburgh	10.6	-20	SSW	4	c	53	85	49	8	5	4	-	9+	9+	2000	0	3
Blacksod Point	19.4	-2	W'S	3	e	56	85	51	7	5	-	-	9+	9+	1500	1	3
Malin Head	16.3	-12	W'S	3	c	56	75	48	8	5	2	-	2-3	10	1500	2	2
Aldergrove	18.4	-6	SW'W	2	c	54	92	52	8	5	2	-	7-8	10	2200	1	•
Birr Castle	19.4	0	WNW	1	c	56	85	51	8	5	-	-	9+	9+	2500	1	•
Valentia Obsy.	21.9	-2	NW'N	3	c	56	86	51	7	5	-	-	9+	9+	2300	1	3
Roches Point	20.9	-4	NW	2	c	57	85	52	8	5	-	-	9	9	1500	1	2

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 18th (39)	13h.—18h. 18th (40)	18h. 18th to 1h. 19th (41)	1h.–7h. 19th (42)
London (Kew)	b,cmo bc	bcybzo	bmow	b,cmow
Croydon	bcmotg	bczo ybc	bmofbb	bmwof
S. Farnborough	bc	bcybc	bccbbcmow	bcbmocwtl
Boscombe Down	cbcc	cHrcro ro	fg	bbFcmof
Thorney Island	bc.	bccbc	bccmow	bcwtlrrcm
Lympne	bcc	bczo bcb	bcbmow	cmoirbcp
Manston	bcmobzo	bzo	bczobmow	bcwlmo
Shoeburyness	bbccmo	bcb mo	bmocf	cffw
Felixstowe	cmo	bcbzo	bmobw	bmocmo
Gorleston	bccbc	bccbc	bcbzow	offe
Mildenhall	cmo bcmo	bcbcmo	bmobfof	pfcmbf
Cranwell	cmo bcmo	cmo	bcmo cmo	bcbmbcm
Birmingham	bccz	cbcz	bcbm	bm
Upper Heyford	cmo bc	czo bczo	czoprobmo	bmbfoff
Ross-on-Wye	cc	mc	bccb	bmwf
Hartland Point	cpro	cprpo	cbc	bc
Bristol	cmofgcccpro	ccpro br	cjpbc,mow	bcmow
Portland Bill	tlorr	cc	c	bcc
Plymouth	cpr	cprc	bcmow	bwmoif
The Lizard	bcpr	cprc	corr	rrct
Scilly (St. Mary's)	cp	crrro ro	croroc	c
Pembroke	c	cpro rr	iroc	cdmo
Holyhead (Valley)	cpgc	cjpbc	bbccw	c
Chester (Sealand)	cboy	byc	cbmo	bmfff
Manchester	bczb	cbczo	c,mocmw	bmff
Spurn Head	ciro	c	c	bmo
Catterick (Sc)	bc	bcmo cb	bmbmo	bmofgcw
Tynemouth	bc	bc	bcmmo	bcmbmo
St. Abbs Head	bcmocbc	bcb	bc	cbc
Leuchars	cbc	bc	bcbcmoc	bcwccmo
Renfrew (Abbots I.)	bcw cmbc	bcc	cmo	cirocmoc
Eskdalemuir	bc	bcb	bbc	bcmoc
Point of Ayre	bc	cb	bcc	c
Tiree	cidocdodmc	ccido	cidomo	cidomc
Stornoway	cidoc	c	cidmocirom	cidomocmc
Dalwhinnie	cbc	bco		oc
Aberdeen	b	bbc	bcc*	cw
Wick	b	bbcc	c	c
Sumburgh	cpro bcb	bbccido	iroidoc	idorroc
Blacksod Point	d	d	d	o
Malin Head	d	d	d	d
Aldergrove	c	c	cidocmo	cidomoc
Birr Castle	r	e		d
Valentia Obsy.	r	pr	pr	r
Roches Point	r	+	d	o

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light variable winds; mainly fine, but fog developing extensively tonight, dispersing in forenoon; rather cold.
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	Light westerly winds, mainly cloudy, slight local rain; rather cold.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Fresh to strong westerly winds, gale at times in North; mainly cloudy with rain at times, some bright intervals later; rather cold.
16 Orkneys and Shetlands	As 12-15
17 N.W. Ireland; 18 N.E. Ireland; 19 S.E. Ireland; 20 S.W. Ireland	Moderate or fresh westerly wind; mainly cloudy with slight local rain; rather cold.

GENERAL INFERENCE

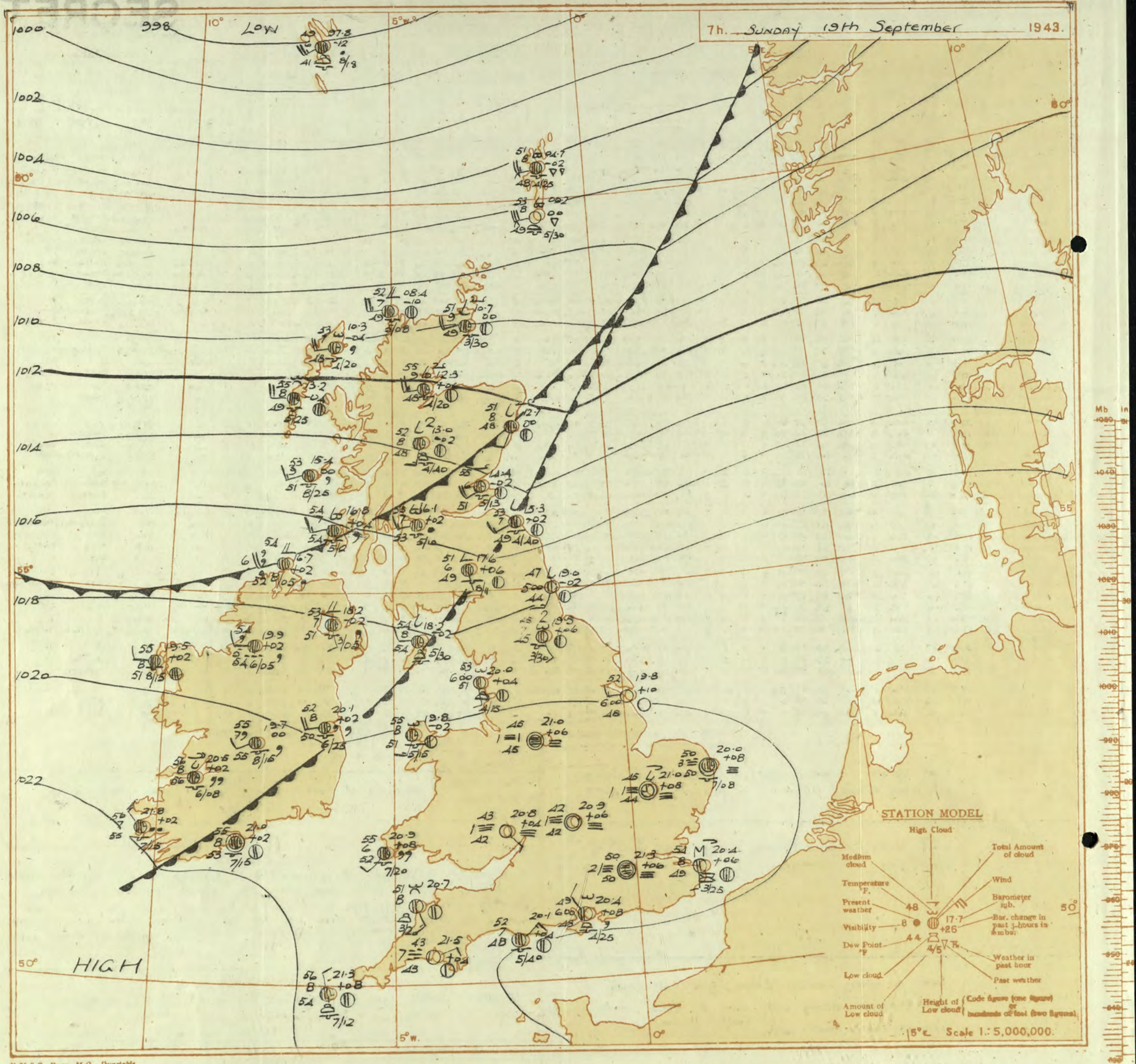
A depression is centred east of Ireland and secondaries will cross Scotland; an extension of the Azores anticyclone will persist over our southeastern districts, giving mainly fine quiet weather, but with much fog night and morning; in other districts there will be rain at times with westerly winds, reaching gale force at times in the North; it will be generally rather cold.

FURTHER OUTLOOK

Unsettled westerly type over most of the country, but probably continuing mainly fair in the Southeast.

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).

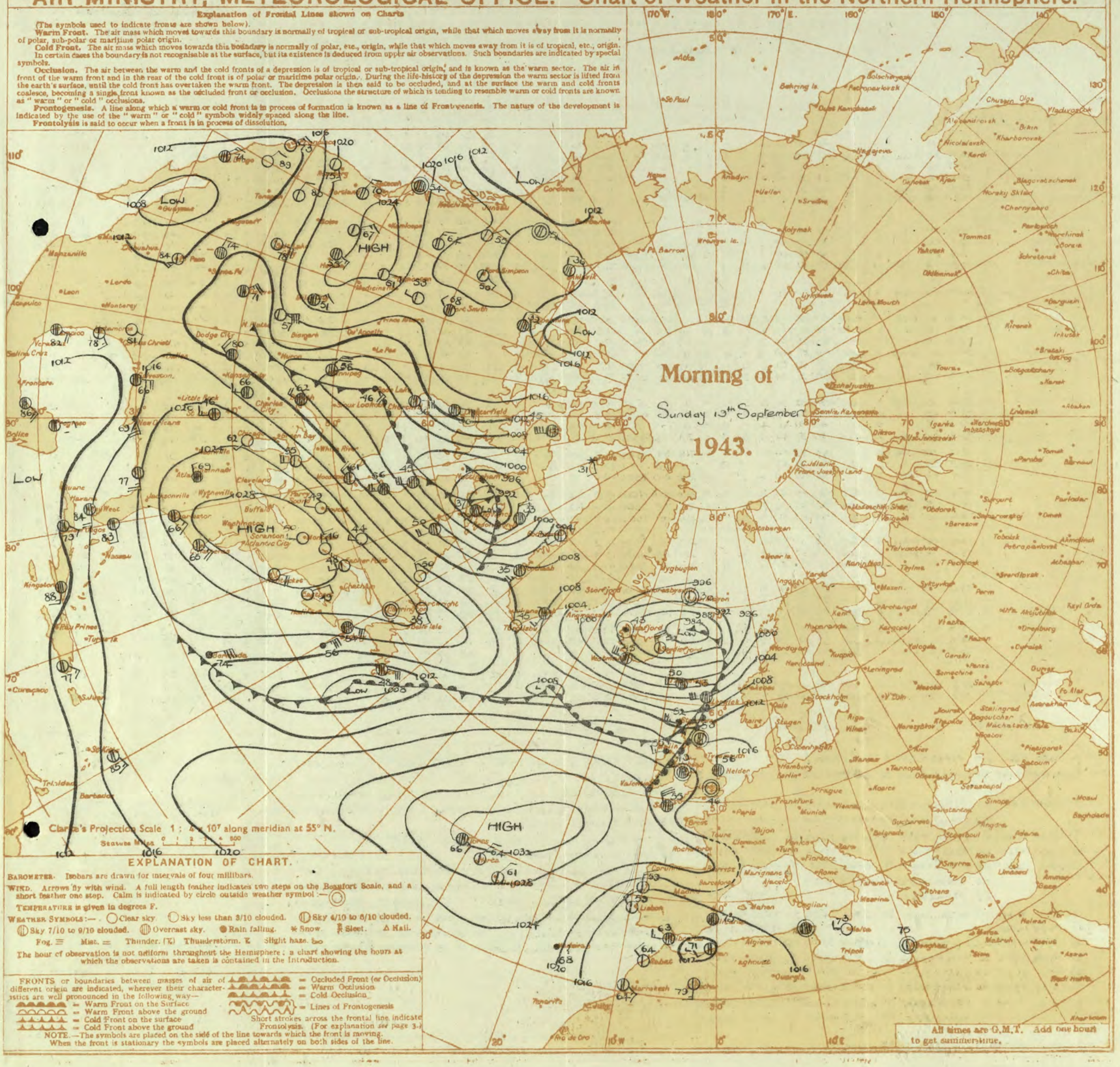
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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.

Sunday 19th September 1943

No. 29886

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humidt. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon ...	290	20.2	+2	–	0	m	46	92	44	4	–	–	–	0	8	–
	S. Farnborough	226	19.8	+6	WNW	1	Zo	46	92	44	5	–	7	1	0	2-3	–
	Boscombe Down	417	20.0	+4	NW	1	b	46	97	45	7	–	–	–	0	0	–
	Thorney Island	10	19.4	+6	–	0	ebc	50	92	49	7	–	7	–	0	7-8	–
	Lympne ..	283	20.0	+6	SW	1	Zo	46	92	44	5	–	3	–	0	7-8	–
	Manston ...	154	19.7	+10	SW'N	1	Zo	49	92	47	6	–	3	–	0	Tr	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	19.2	+6	N	1	b	52	97	52	7	–	–	–	0	0	–
	Gorleston ...	5	18.2	+10	–	0	Zo	53	92	49	6	–	–	–	0	0	–
	Mildenhall ...	15	19.4	+6	–	0	F	45	97	45	1	–	–	–	10	10	<150
	Cranwell ...	203	19.5	+4	NW	1	Zo	51	92	50	6	5	–	–	9	9	1600
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20.1	+10	NNW	1	m	47	97	46	4	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20.3	0	NNE	3	b-bc	53	85	48	8	2	4	–	1	2-3	2500
	Bristol ...	209	20.3	+6	N	1	ebc	50	97	49	6	–	3	2	0	7-8	–
	Portland Bill ...	32	19.5	+6	N	3	c	54	85	50	8	5	4	–	7-8	10	4000
	Plymouth ...	86	21.3	0	NN'N	1	Zo	49	97	49	6	–	4	2	0	2-3	–
	The Lizard ..	240	21.2	–4	E	1	rr	52	97	52	5	5	–	–	10	10	800
	Scilly (St. Mary's)	163	20.6	–10	NW	4	c	55	97	54	8	8	–	–	10	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	20.6	0	SSE	1	c	54	92	51	8	5	–	–	9	9	1500
7	Holyhead (Valley)	32	20.0	+2	–	0	c	49	92	47	8	5	–	–	9+	9+	1600
	Chester (Sealand)	16	20.0	+8	–	0	m	43	92	41	4	–	4	–	0	Tr	–
8	Manchester ...	230	20.4	+10	S	2	m	45	97	44	4	5	3	–	2-3	4-6	4000
10	Spurn Head ...	29	18.4	+10	N'N	4	c	56	92	54	7	7	7	–	7-8	9+	1500
	Catterick (Sc) ...	192	19.5	+6	–	0	Zo	43	97	43	6	–	3	–	0	2-3	–
	Tynemouth ...	108	18.6	+2	SW	2	l	50	85	46	5	1	–	–	2-3	2-3	2500
11	St. Abbs Head	280	15.6	–4	SW	3	bc	51	76	44	7	5	–	–	4-6	4-6	4000
	Leuchars ...	36	15.1	–8	WSW	4	ebc	53	85	50	7	5	7	–	2-3	7-8	2500
12	Renfrew (Abbots L.)	19	16.6	0	SW	2	Zo	55	92	53	6	5	–	–	10	10	1500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	19.0	+4	WSW	2	c	54	97	53	8	5	7	–	4-6	10	2500
13A	Tiree	44	15.4	–4	WSW	3	dodo	55	97	55	7	5	–	–	9+	9+	2000
13B	Stornoway ...	12	10.7	0	W	5	ido	52	85	50	6	5	7	–	4-6	9	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	13.0	–2	–	0	c	53	85	47	8	5	3	6	2-3	9+	3000
	Wick ...	114	11.0	–6	SW	5	c	55	85	50	8	5	7	–	4-6	10	3000
16	Sumburgh ..	19	06.3	–12	WSW	6	ido	53	97	53	7	5	2	–	7-8	10	1000
17	Blacksod Point	18	19.5	+2	W'N	2	c/d	56	92	54	7	6	–	–	10	10	1500
18	Malin Head ...	84	16.8	0	SW'N	3	DD	55	97	54	5	–	2	–	10	10	800
	Aldergrove ...	268	18.8	–6	WNW	1	ebc	52	85	50	7	–	7	–	0	7-8	–
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21.6	–4	NW	3	fob	56	97	55	6	5	–	–	10	10	450
	Roches Point	22	21.1	–2	NN'N	2	ebc	54	92	52	8	5	–	–	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humidt. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	20.7	+6	NNE	2	Zo	51	92	49	5	–	1	–	0	9+	–	1	*
Croydon	21.3	+6	–	0	f+	50	97	50	2	–	–	–	10	10	<150	1	*
S. Farnborough	21.0	+6	SW'N	1	m	48	97	47	4	5	–	–	10	10	300	0	*
Boscombe Down	21.0	+6	SW	1	f+	48	97	48	2	–	–	–	10	10	<150	1	*
Thorney Island	20.4	+8	NW	2	Zo	49	97	48	6	7	3	–	4-6	4-6	2500	1	*
Lympne ..	21.0	+8	–	0	b-bc	54	85	50	8	2	6	3	1	2-3	2000	1	2
Manston ...	20.4	+6	S	1	bc	54	85	49	8	3	8	3	2-3	4-6	2500	0	*
Shoeburyness ...	20.9	+6	–	0	bcF	49	97	49	1	–	3	–	0	4-6	–	1	*
Felixstowe ...	20.8	+10	NNN	2	Zo	50	97	49	5	5	–	–	9+	9+	2500	1	1
Gorleston ...	20.0	+8	–	0	cf-	50	97	50	3	5	–	–	9+	9+	800	1	0
Mildenhall ...	21.0	+8	–	0	bF+	45	97	44	1	–	4	1	0	1	–	0	*
Cranwell ...	20.7	+12	NW	2	ebcf+	45	97	45	2	–	3	–	0	7-8	–	0	*
Birmingham ...	21.2	+6	–	0	m	45	97	45	4	–	–	–	0	0	–	2	*
Upper Heyford	20.9	+6	–	0	bF	42	97	42	1	–	–	–	0	0	–	0	*
Ross-on-Wye	20.8	+4	ESE	1	bF	43	97	42	1	–	–	–	0	0	–	1	*
Hartland Point	20.7	+6	SE	3	bc	51	92	48	8	2	6		2-3	4-6	2000	1	2
Bristol ...	21.5	+10	–	0	Zo	47	97	46	6	5	–	–	9+	9+	3000	1	*
Portland Bill ...	20.1	+4	NE	3	ebc	52	85	48	7	5	–	–	7-8	7-8	4000	1	4
Plymouth ...	21.5	+4	ENE	1	if	43	97	43	7	5	3	–	2-3	2-3	3500	0	1
The Lizard ..	21.2	+4	E	3	pr	53	97	53	7	5	5	–	9	9	1400	1	3
Scilly (St. Mary's)	21.3	+6	N'N	2	c	56	92	54	8	8	–	–	9+	9+	1200	1	3
Guernsey ...																	
Pembroke ...	20.9	+8	SW'S	1	c/d	55	92	52	6	5	–	–	9+	9+	2000	1	2
Holyhead (Valley)	19.8	–2	S'W	3	c	55	85	51	8	5	3	–	7-8	9+	1500	1	2
Chester (Sealand)	20.5	+6	–	0	m/f	40	97	39	4	–	–	–	0	0	–	0	*
Manchester ...	20.2	0	SSE	2	bbcf	40	97	40	1	5	–	1	2-3	2-3	3000	0	*
Spurn Head ...	19.8	+10	W'S	3	Zo	52	85	48	6	–	–	–	0	0	–	0	3
Catterick (Sc) ...	19.5	+6	SSE	1	ebc	45	97	45	7	5	3	6	2-3	7-8	3000	1	*
Tynemouth ...	19.0	0	SSW	3	Zo	47	92	44	5	–	4	2	0	4-6	–	1	2
St. Abbs Head	15.3	–2	SW	3	ebc	53	85	49	7	5	4	–	4-6	7-8	4000	0	3
Leuchars ...	14.4	–2	SW	4	c	55	85	51	6	5	–	8	7-8	9	1200	0	*
Renfrew (Abbots L.)	16.1	+2	NSW	3	c	55	92	53	7	5	7	–	7-8	9+	1000	1	*
Eskdalemuir ...	17.6	+6	SE	1	c	51	92	49	6	5	1	–	10	10	1100	1	*
Point of Ayre ...	18.2	–2	W	2	c	54	97	54	8	8	4	–	7-8	9+	3000	0	1
Tiree	15.4	0	WSW	3	c	53	92	51	9	5	–	–	10	10	2500	1	2
Stornoway ...	10.3	–4	WSW	4	c	53	85	48	7	5	3	–	4-6	9	2000	0	2
Dalwhinnie ...	13.0	–2	SSW	3	c	52	85	48	8	8	4	6	4-6	9+	4000	0	*
Aberdeen † ...	12.7	0	SSW	2	c	51	92	48	8	–	4	7	0	9+	–	1	1
Wick ...	10.7	0	WSW	4	c	51	92	49	9	5	4	7	2-3	9+	3000	0	*
Sumburgh ..	06.2	0	WSW	6	c	53	85	49	8	7	7	7	7-8	10	3000	1	4
Blacksod Point	19.5	+2	W	2	c	55	85	51	8	5	–	–	10	10	1500	1	2
Malin Head ...	16.7	+2	WSW	4	iD	54	92	52	6	–	2	–	10	10	800	2	3
Aldergrove ...	18.2	–2	S'W	1	c	53	92	51	7	5	2	–	2-3	10	500	1	*
Birr Castle ...	19.7	0	WSW	1	ido	55	97	55	7	5	–	–	10	10	1500	1	*
Valentia Obsy.	21.8	+2	NN'N	3	c/r	56	97	55	7	5	–	–	9+	9+	1400	1	3
Roches Point	21.0	+2	–	0	c	55	92	53	8	5	–	–	9+	9+	1500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 18th Hrs. (38)
London (Kew)	63	46	34	–	Tr	8.1
Croydon	64	45	40	–	0.4	9.2
S. Farnborough	65	43	34		–	8.4
Boscombe Down	63	43	41	7	10	6.8
Thorney Island	65	46	40	–	1	*
Lympne ..	*	46	38	–	1	7.5
Manston ...	*	48	42	–	–	9.3
Shoeburyness ...	63	47	43	–	Tr	8.1
Felixstowe ...	65	48	44	–	0.2	4.1
Gorleston ...	63	48	44	–	–	4.4
Mildenhall ...	64	43	36	–	Tr	2.5
Cranwell ...	60	44	37	–	–	3.5
Birmingham ...	58	44	29	–	–	1.8
Upper Heyford	60	41	38	–	–	*
Ross-on-Wye	62	42	37	1	–	4.0
Hartland Point	57	49	46	5	–	1.1
Bristol ...	61	42	33	Tr	–	5.6
Portland Bill ...	60	49	*	8	–	*
Plymouth ...	57	41	33	4	–	1.9
The Lizard ..	57	51	*	2	6	5.1
Scilly (St. Mary's)	57	53	*	6	3	0.0
Pembroke ...	58	51	*	1	0.5	3.0
Holyhead (Valley)	58	43	36	1	–	*
Chester (Sealand)	61	40	29	–	–	6.6
Manchester ...	58	40	37	–	–	*
Spurn Head ...	58	51	*	0.3	–	0.0
Catterick (Sc) ...	62	39	36	–	–	6.6
Tynemouth ...	59	46	45		–	11.1
St. Abbs Head	59	47	*	–	–	*
Leuchars ...	62	52	46	–	–	9.0
Renfrew (Abbots L.)	63	54	49	–	Tr	5.9
Eskdalemuir ...	61	40	30	–	–	8.4
Point of Ayre ...	60	46	*	–	–	7.4
Tiree	59	52	50	0.1	0.4	0.1
Stornoway ...	60	50	49	Tr	Tr	0.4
Dalwhinnie ...	58	49	44	–	–	3.6
Aberdeen † ...	59	50	43	–	–	10.8
Wick ...	60	51	48	–	–	*
Sumburgh ..	55	51	49	Tr	1	4.4
Blacksod Point	58	53	*	0.2	1	*
Malin Head ...	57	53		0.3	2	0.1
Aldergrove ...	56	51	49	–	Tr	0.0
Birr Castle ...	58	52	49	0.1	0.1	0.0
Valentia Obsy.	58	55	52	Tr	1	0.0
Roches Point	59	53		0.4	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 18th September $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 19th September $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	01854	16314	57	02855	20327	5-	61748	55668			
115	52	02844	20427	52	10835	53528	52	81835	57388	52	02735	57528
203												
206	7-	02964	18415	56	02963	20526	57	02845	20528	57	02954	22527
210				54	02962	20315	04	02990	23428	53	02965	18328
219	8-	01744	18466	5-	02745	15658	57	02744	24458	56	02855	23427
230	52	02956	16228	52	02757	20368	5-	51648	20258	83	02855	22267
245	10	01963	16413	54	01962	19413	57	02661	22317	5-	51548	20328
260				50	01890	25203	5-	05658	20228			
278				53	02864	22272				52	21736	18158
279	14	01762	06143	10	01861	20211	57	02765	22216	52	02854	22367
285	23	01854	12414	·						27	05625	28427
288	83	05654	04325	04	01890	08122	03	05690	22105	00	01890	15114
575	52	02746	26158	52	02755	25228	52	05645	23258	62	51526	24258
301	24	01851	26312	00	00890	26210	10	05651	08111	23	05644	15225
321	87	02755	32329	44	02765	02285	5-	05657	00067	03	43390	00042
299	5-	62648	02368	5-	25746	02386	5-	03748	28268	54	01752	24203
322	87	02855	02227	53	10954	12185	03	08490	00026	07	08490	00044
310												
614	26	05666	01127	47	05662	00025	03	43390	28145	04	08490	00011

III	13h. G.M.T. 18th September $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 19th September $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
368	8-	81647	30387	23	01862	27184	04	01790	00011	57	02846	00017
334	--	02646	26116	--	02753	26214						
340	83	02853	28216	47	02853	32224	53	04664	26105	00	45390	00040
136	80	02844	28486	5-	02846	28386	5-	05616	05616	00	47390	20120
336	23	01752	28314	23	01752	24312						
350	8-	05665	22225	2-	05654	05114	00	47190	00040			
368	83	25654	32285	83	02854	30285				50	05651	02111
370	26	05654	30314	44	05563	30213	50	05554	28214	00	08490	32100
390	20	05554	28124	46	05551	18111	00	08490	00000	03	43390	00041
382	20	02855	02125	26	05652	00083	00	47390	00010	--	48109	00049
438	10	05663	22213	18	01763	22313	87	30745	22198	88	01853	00014
430	20	02854	20225	27	01853	22216	36	81666	22186	37	05564	30124
409	86	02855	30486	36	25845	30287	02	02758	00058	5-	02854	24128

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. V = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

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

LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew ...	b,cmobc	bcybzo	b,cmow	
Croydon	bcmocZo	bczybc	bmowof	Kew 24 hours ended 7h
Greenwich	bmobc	cbcby	cbbcwcm	Max. Time
Camden Square	bc	c	*	
Kensington ..	bcwbc	bc	*	
Hampstead ...				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 21h % Yesterday	Humidity 9h % To-day
Kew ...	63	46	34	–	Tr	8.1	*	*
Croydon	64	45	40	–	0.4	3.2	*	*
Greenwich	65	47	33	–	–	6.4	55	87
Westminster ..	67	50	43	–			64	91
Regents Park ...								
Camden Square	66	48	41	–	–	*	*	89
Kensington ..	68	49	38	–	–		53	86
Hampstead							*	

SECRET

BRITISH SECTION

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

MONDAY 20TH. September 1943

No. 29887

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	20·5	-10	NWN	1	Zo	60	65	47	6	8	·	·	1	1	4000
	Croydon	21·1	-10	–	0	Zo	63	55	45	6	2	·	·	4-6	4-6	2000
	S. Farnborough	20·5	-22	–	0	Zo	60	75	51	5	1	4	·	Tr	1	3500
	Boscombe Down	20·7	-10	–	0	bc	60	73	53	7	2	-	·	4-6	4-6	3000
	Thorney Island	20·5	-6	W	1	bc	64	55	49	7	3	6	3	4-6	4-6	4000
	Lympne	21·0	-2	S	3	bc	59	65	48	8	2	6	-	4-6	4-6	2500
	Manston	20·6	-2	S	2	b-bc	64	55	47	8	2	6	3	2-3	2-3	3500
2	Shoeburyness	20·8	-2	NNW	1	c-bc	61	73	51	7	8	-	·	7-8	7-8	2500
	Felixstowe	21·1	-4	S'E	1	c-bc	65	65	52	8	2	-	2	7-8	7-8	2500
	Gorleston	20·5	+2	SSW	3	bc	62	75	54	7	2	-	·	4-6	4-6	2500
	Mildenhall	20·3	-8	S	2	b	65	65	54	8	1	4	-	1	1	2500
	Cranwell	19·6	-8	SW'W	3	b	65	55	47	7	2	-	·	Tr	Tr	2500
3	Birmingham	19·9	-4	WSW	2	b	61	55	45	8	1	-	1	1	1	2500
	Upper Heyford	20·4	-10	N	1	Zo	61	75	51	6	1	-	·	2-3	2-3	2500
4	Ross-on-Wye	20·3	-12	WSW	2	b/f	63	55	48	7	1	–	1	1	1	3500
5	Hartland Point	20·8	-6	W	2	c	58	85	54	8	7	6	-	7-8	9	1500
	Bristol	20·7	-10	–	0	Zo	63	68	52	6	2	-	-	0	4-6	3500
	Portland Bill	20·0	-10	ENE	3	c-bc	59	75	56	7	5	-	-	7-8	7-8	2500
	Plymouth	21·5	-2	WSW	2	b-bc	60	85	55	9	7	-	·	2-3	2-3	3000
	The Lizard	21·3	0		0	c-bc	57	92	55	8	5	1	-	7-8	7-8	2000
	Scilly (St. Mary's)	21·6	+2	W	2	c	56	75	45	8	8	6	-	7-8	9+	1600
	Guernsey															
6	Pembroke	21·0	0	SW'S	2	bc	60	75	58	8	2	4	1	2-3	4-6	1500
7	Holyhead (Valley)	19·6	-6	S'W	3	bc	62	75	55	8	8	6	1	4-6	4-6	2500
	Chester (Sealand)	19·1	-10	S'W	3	c-bc	64	55	50	8	7	-	1	7-8	7-8	3000
8	Manchester	19·6	-8	SW	2	bc	63	55	48	8	1	-	1	4-6	4-6	3000
10	Spurn Head	19·2	-6	W'S	3	Zo	63	65	51	6	1	-	-	1	1	4000
	Catterick (Sc)	18·3	-6	SW	3	c-bc	61	85	55	8	8	-	·	7-8	7-8	3500
	Tynemouth	17·5	-10	WSW	3	bc	64	65	51	7	2	-	-	4-6	4-6	3000
11	St. Abbs Head	13·2	-14	SW	4	c	62	75	53	8	5	7	·	7-8	9+	3000
	Leuchars	12·6	-14	SW	6	c	61	65	51	8	1	4	2	2-3	9	2500
12	Renfrew (Abbots I.)	15·3	-6	W'S	4	c	59	75	51	7	8	-	6	4-6	9+	1600
	Eskdalemuir	15·7	-8	SSW	4	iro	56	92	53	6	5	-	-	10	10	600
	Point of Ayre	18·2	-4	W'N	3	ido	58	92	56	8	8	-	-	10	10	1500
13A	Tiree	13·6	-14	SW'W	5	c/d	56	92	54	8	5	-	-	10	10	2000
13B	Stornoway	06·3	-20	SW	7	ido	56	85	52	6	6	2	-	7-8	10	900
15	Dalwhinnie	11·0	-6	SSW	3	c	44	75	46	8	5	2	-	4-6	10	2500
	Aberdeen	09·2	-20	SW'W	2	c	68	55	49	9	-	8	2	0	9	-
	Wick	07·6	-24	SSW	3	c	56	85	52	9	5	1	-	4-6	9+	3000
16	Sumburgh	03·4	-18	SW'W	6	roro	53	92	51	7	5	7	-	9	10	1200
17	Blacksod Point	18·5	-10	WSW	4	dodo	57	97	56	6	-	2	-	10	10	800
18	Malin Head	15·8	-6	W	5	c	56	85	51	8	6	-	-	10	10	1500
	Aldergrove	17·6	-4	W'S	3	c	58	75	51	8	5	–	1	7-8	9	1800
19	Birr Castle	19·5	-2	WNW	2	c	60	75	52	8	8	1	-	7-8	9	1500
20	Valentia Obsy.	22·4	0	WNW	3	ido	57	97	56	6	5	-	-	10	10	450
	Roches Point	[illegible]	0	N'W	2	c-bc	62	85	57	8	5	-	5	4-6	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	18·9	-6	SW'S	1	Zo	58	75	48	6	5	3	6	4-6	9+	4000	1	*
Croydon	19·7	-10	S	2	c	57	75	49	6	8	7	-	7-8	9+	7300	0	*
S. Farnborough	19·1	-2	SSW	1	bc	59	75	48	8	2	6	8	1	4-6	2500	0	*
Boscombe Down	19·2	-6	SW	1	c-bc	58	85	52	7	2	5	2	2-3	7-8	3000	0	*
Thorney Island	19·3	-6	S'W	2	b-bc	58	75	49	9	8	3	1	Tr	2-3	4000	0	*
Lympne	19·6	-10	SSW	2	b-bc	55	85	51	8	4	-	·	2-3	2-3	2000	0	§
Manston	19·6	-2	S	2	b	57	65	47	9	1	4	-	1	4-6	3000	0	*
Shoeburyness	19·4	-8	SSE	1	b	58	75	49	8	-	4	-	0	Tr	-	0	*
Felixstowe	19·5	-10	S'W	2	b	61	55	46	8	1	4	-	Tr	1	2500	0	3
Gorleston	19·0	0	SSW	3	b-bc	59	85	53	7	-	4	-	0	2-3	-	0	3
Mildenhall	18·1	-6	S'E	2	bc	61	65	49	8	4	6	-	4-6	4-6	1500	0	*
Cranwell	17·3	-8	SW'W	2	Zo	58	75	50	6	4	-	-	4-6	4-6	3500	0	*
Birmingham	17·9	-6	SW	2	b	61	55	45	8	1	-	-	Tr	Tr	4000	1	*
Upper Heyford	18·5	-10	S'E	1	Zo	59	75	51	5	2	-	-	1	1	4000	0	*
Ross-on-Wye	18·0	-20	SW	2	Zo	59	75	50	6	1	-	-	1	1	3500	1	*
Hartland Point	19·0	-8	WNW	3	c	58	92	55	8	8	6	-	7-8	9	1500	1	2
Bristol	19·5	-2	W	2	b	57	75	50	7	-	-	1	0	Tr	-	1	*
Portland Bill	18·7	-4	SW	3	c	60	85	54	7	5	-	-	10	10	2500	1	4
Plymouth	19·9	-6	W'S	3	c-bc	59	97	57	7	7	-	·	2-3	7-8	2000	1	2
The Lizard	20·5	-4	WNW	2	bc	57	85	53	8	7	3	-	4-6	4-6	3000	1	3
Scilly (St. Mary's)	20·7	-2	W	2	c	59	75	52	8	5	-	-	9+	9+	1500	1	2
Guernsey																	
Pembroke	19·1	-8	SW	3	c-bc/pr	60	97	60	8	8	4	-	4-6	7-8	1500	1	2
Holyhead (Valley)	16·6	-22	SSW	4	c	56	76	45	8	8	3	-	2-3	4-6	800	1	3
Chester (Sealand)	16·8	-14	SW'W	3	Zo	58	75	50	6	5	-	-	9+	9+	3500	0	*
Manchester	17·3	-10	WSW	3	c	57	85	52	8	4	-	-	9	9	4000	0	*
Spurn Head	17·0	-2	SW	4	Zo	62	55	47	6	5	4	-	4-6	4-6	2500	0	3
Catterick (Sc)	16·7	-20	SSW	2	c-bc	56	85	52	8	8	-	8	4-6	7-8	2000	0	*
Tynemouth	14·4	-16	WNW	3	c-bc	59	75	52	7	2	-	-	7-8	7-8	3000	0	
St. Abbs Head	10·9	0	SW	3	c	58	75	50	7	5	4	-	7-8	10	3000	0	3
Leuchars	09·3	-18	WSW	6	c	57	75	49	8	5	7	2	4-6	9+	3800	0	*
Renfrew (Abbots I.)	11·3	-24	SSW	2	c-bc	57	85	52	7	5	2	·	2-3	7-8	800	1	*
Eskdalemuir	12·2	-22	SSW	4	c	54	86	50	6	5	-	-	10	10	1500	1	*
Point of Ayre	14·7	-12	W'N	4	c	58	85	53	8	8	7	7	1	10	1800	0	3
Tiree	08·8	-22	WSW	6	dodo	57	97	57	5	5	-	-	10	10	1000	1	4
Stornoway	01·6	-22	SW	6	dodo	56	97	55	6	6	2	-	9	10	500	1	4
Dalwhinnie	06·0	-20	SW	3	c	52	85	48	8	5	2	-	9	10	1500	0	*
Aberdeen	05·4	-22	SSW	2	c	59	65	46	8	-	9	7	0	9+	-	0	1
Wick	02·6	-26	SW	5	c	58	85	[illegible]	9	5	2	-	4-6	10	3500	0	*
Sumburgh	96·8	-12	SW'S	8	rr	54	97	52	6	6	2	-	9	10	500	1	5
Blacksod Point	15·7	-14	WSW	4	ido	57	97	56	6	-	2	-	10	10	1500	1	
Malin Head	11·7	-22	WSW	5	iD	57	92	65	6	-	2	-	10	10	1500	2	
Aldergrove	14·0	-24	S'W	2	c	57	85	53	8	5	-	-	9+	9+	1800	1	*
Birr Castle	16·9	-18	WNW	2	c	58	92	57	8	8	2	-	7-8	10	1500	1	*
Valentia Obsy.	20·7	-6	WNW	3	Zo	57	97	56	6	5	-	-	10	10	450	1	
Roches Point	18·8	-14	W	2	c	61	85	56	8	5	-	·	9	9	1500	1	

PAST 24 HOURS.

Stations	Weather 7h.–13h. 19th (39)	Weather 13h.–18h. 19th (40)	Weather 18h. 19th to 1h 20th (41)	Weather 1h.–7h. 20th (42)
London (Kew)	cmobzow	bbc czo	c,bmow	b,cirodo
Croydon	pf bczoy	cycczo	cbczobm	cmocroro
S. Farnborough	p mbcm	bmbmobzobcby	bcbbccmou	cmo wiroro
Boscombe Down	cmo	byb	bmobccmo	cmociroc
Thorney Island	bcmocmoc	bcbcbc	bbcmow	cmoroo
Lympne	bccbc	bc	bcbw	bbcwcirom
Manston	bc	bcby	bmo	bcmiro
Shoeburyness	Fwbcc	cbc	crrmoc	bccrrc
Felixstowe	bbcc	cbby	byomo	bmocmroro
Gorleston	bc	bc	bcb	cror
Mildenhall	b Fbcmo	bBbc	bcbmobm	mbcdodow
Cranwell	Fmobmobzoc	bcbzobczo	bcmobcm	ciromocmo
Birmingham	mb	b	b	bcpro
Upper Heyford	bFwfmo	bczo bzo	bmocm	cmorfcmirmo
Ross-on-Wye	Fcf bzo	by	bzobc	pro
Hartland Point	bcc	cbcc	bcroroc	crrc
Bristol	cmow bczo	bczo bz	bbcwcidocmo	crrmo,cidocmo
Portland Bill	cc	cc	bcc	cpro
Plymouth	bjfbc	bc	cbcbc	cidomo
The Lizard	crorc	cbc	cpro	ofddd
Scilly (St. Mary's)	cbcc	c	cido	cidoc
Pembroke	cbc	bccprc	cprroro	cq
Holyhead (Valley)	cbc	bcc	cidrododomo	cidomoc
Chester (Sealand)	bcmfc	c	cbzcmo	cdodorocmo
Manchester	bFFbc	bccyc	bccirmo	roropRmo
Spurn Head	bcmo	cmo	c	cmo
Catterick (Sc)	c	bcc	bcmocmo	cirobc
Tynemouth	bcmo	cmo	cmo	cbc
St. Abbs Head	bcc	c	cbcc	cbcb
Leuchars	cmoc	c	crrmo	crrmobcb
Renfrew (Abbots I.)	cidoc	c	crororrmoc	cprobccpr
Eskdalemuir	ciro	ciroc	ciro	iropRc
Point of Ayre	cidoc	idoc	c	crorob
Tiree	cidoc	cdodomo	crrmoc	cproc
Stornoway	ccidomo	cddmododomo	crormocbcpro	bcprcpR
Dalwhinnie	co	⊙		oirc
Aberdeen	ccy	cyc.	ccPry	cirobcqbw
Wick	c	c	rororrmoc	bccprobc
Sumburgh	ciroro	rorrc	crormoc	cirobcpro
Blacksod Point	d	d	d	c
Malin Head	d	d	d	bc
Aldergrove	c	c	ccidoddmo	cdomocbc
Birr Castle	d	d		d
Valentia Obsy.	d	r	r	pr
Roches Point	d	pr	bc	r

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

Districts	Forecast
1 S.E. England; 2 E. England ♠	Fresh westerly winds veering toward northwest, gusty; cloudy with some light rain at first, then bright periods with some local showers; cold.
3 E. Midlands; 4 W. Midlands	Fresh to strong squally northwest winds, gale locally near the coast, moderating; rain showers, bright periods; cold.
5 S.W. England; 6 South Wales	Moderate to fresh northwest winds; considerable bright periods, some local showers particularly near the coast; rather cold.
7 North Wales ♠; 8 N.W. England ♠; 9 N. Midlands	Strong to gale squally northwest to north winds, moderating slowly; showers of rain with probability of hail and thunder locally, brighter periods; cold.
10 N.E. England ♠; 11 S.E. Scotland ♠; 12 S.W. Scotland & Isle of Man ♠	Strong west to northwest winds, moderating slowly; bright periods, some local showers; cold.
13A W. Scotland ♠; 13B N.W. Scotland ♠; 14 Mid Scotland ♠; 15 N.E. Scotland ♠	As 7-9
16 Orkneys and Shetlands ♠; 17 N.W. Ireland	As 7-9
18 N.E. Ireland ♠; 19 S.E. Ireland; 20 S.W. Ireland	As 5-6

GENERAL INFERENCE

A large anticyclone is centred to southwest and west of the British Isles. A trough of low pressure over Southern England is moving southeast and cold northwesterly winds are spreading quickly over the country to the accompaniment of gales over the northeastern half of the British Isles. Following some rain early in southeast England there will be showers with bright periods in most districts.

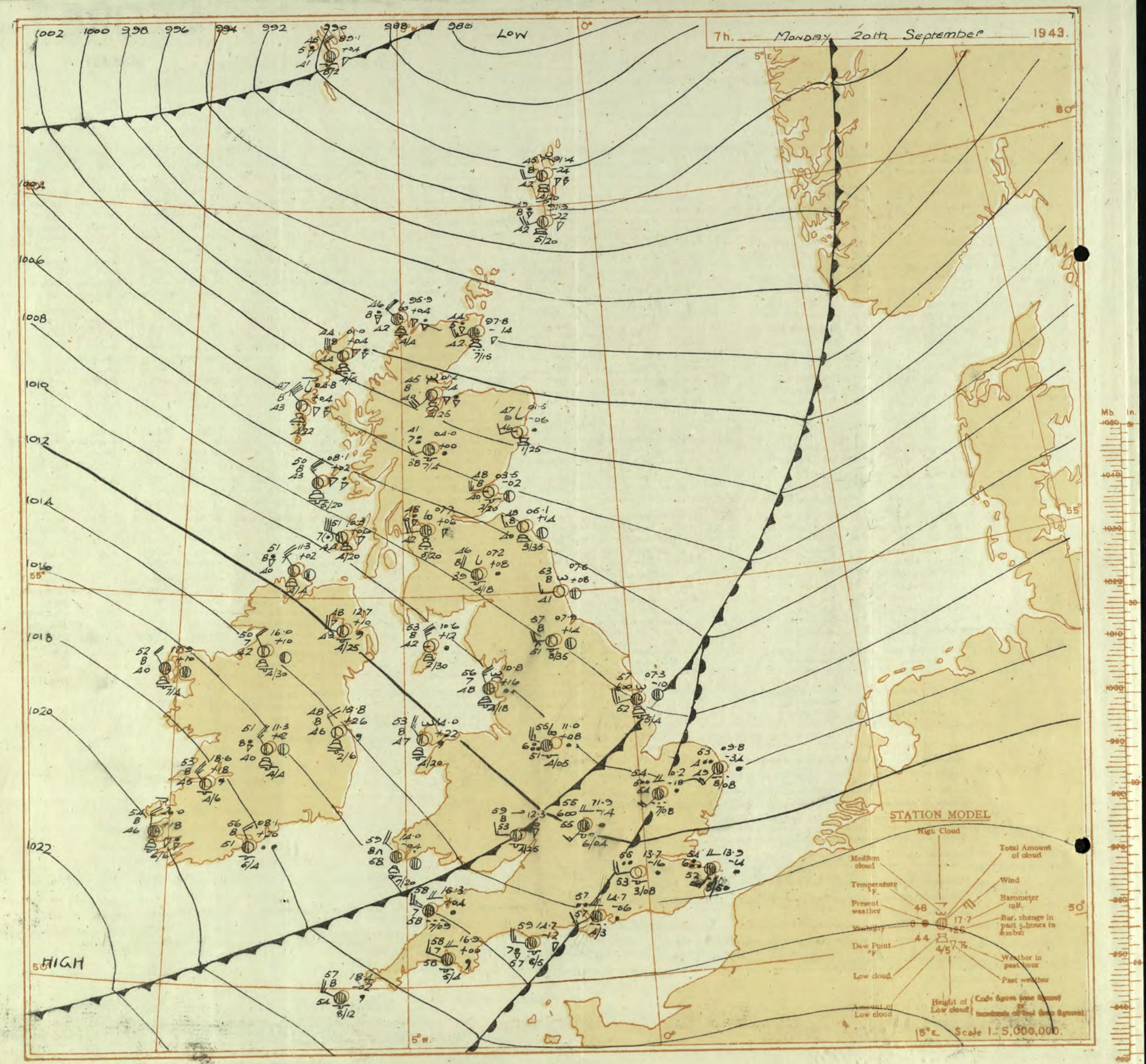
FURTHER OUTLOOK

Further showers in the northeastern half of the country but bright periods; generally fair elsewhere; probability of night frost in many areas.

♠ Gale warning in operation in districts 12, 13A, 13B, 14, 15, 16, 18 (part of) Time of issue 0600 20th
~~and in districts 2 (part of), 7, 8, 10, 11 at 1100 20th~~

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.

Page 4. BRITISH SECTION

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

MONDAY 20th September 1943

No. 28887

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

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	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon	290	17·7	-14	SSW	3	z₀	50	92	48	5	-	3	-	0	9	-
	S. Farnborough	226	16·6	-14	SW'S	2	z₀	52	85	49	6	4	7	-	2-3	9+	3000
	Boscombe Down	417	17·4	-14	-	0	z₀	49	97	49	5	5	2	-	4-6	10	4000
	Thorney Island	10	17·5	-10	W	1	z₀	48	97	48	5	-	7	-	0	4-6	-
	Lympne	283	17·5	-14	WSW	2	b	50	92	47	7	-	-	1	0	Tr	-
	Manston	154	17·5	-10	SW	3	z₀	49	92	46	6	2	-	-	1	1	2500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	16·7	-14	SE	3	z₀	54	35	50	6	-	-	-	0	0	-
	Gorleston	5	15·3	-26	SW	2	b	51	92	49	7	-	-	-	0	0	-
	Mildenhall	15	14·7	-28	SW'S	4	m	51	92	49	4	-	4	-	0	Tr	-
	Cranwell	203	13·0	-26	SW	3	m	51	92	49	4	-	5	-	0	7-8	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15·8	-14	WSW	1	m	49	92	48	4	-	7	-	0	9	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16·3	-18	NW	5	c/r	57	97	57	7	6	2	-	4-6	10	1500
	Bristol	209	16·4	-20	WSW	3	z₀	54	92	51	6	5	-	-	9+	9+	3100
	Portland Bill	32	17·3	-6	SW	4	c	58	85	54	8	5	-	-	10	10	4000
	Plymouth	86	18·5	-8	WNW	3	c	57	97	57	7	5	7	-	7-8	9+	2000
	The Lizard	240	19·5	-10	WNW	4	pr	56	97	55	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	19·6	-10	W'S	4	id₀	57	97	57	6	5	-	-	7-8	10	800
	Guernsey	175															
6	Pembroke	142	16·2	-8	W	5	c	59	97	57	8	8	2	-	4-6	10	1500
7	Holyhead (Valley)	32	12·7	-26	WSW	4	c/d	59	97	57	7	5	7	-	9	10	1900
	Chester (Sealand)	16	11·8	-26	SW	3	ir₀	57	92	54	6	5	-	-	10	10	3000
8	Manchester	230	12·8	-22	S'W	4	c/r	53	97	52	6	-	2	-	10	10	2000
10	Spurn Head	29	12·0	-28	SW	4	c	54	85	49	7	7	7	-	7-8	9+	2500
	Catterick (Sc)	192	09·4	-30	SW	4	z₀	57	85	54	6	5	7	-	4-6	9	2000
	Tynemouth	108	08·1	-22	W	4	c-bc	58	85	52	7	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	04·0	-20	W	4	c	57	85	53	7	5	2	-	7-8	10	2500
	Leuchars	36	02·6	-18	WSW	5	rr	57	92	55	6	5	2	-	4-6	10	700
12	Renfrew (Abbots I.)	19	06·9	+2	W'S	4	c-bc/r	54	85	50	7	5	7	-	7-8	7-8	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	97·7	-22	W'N	5	c	58	97	57	8	5	2	-	4-6	10	1500
13A	Tiree	44	08·2	+14	NW'W	6	c-bc	52	85	47	8	8	-	-	7-8	7-8	2000
13B	Stornoway	12	02·5	+2	W	5	bc/pr	47	85	44	8	9	6	3	4-6	4-6	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	01·8	+8	NW	4	rr	51	92	49	7	5	-	-	10	10	3000
	Wick	114	00·4	-10	W	4	bc	47	97	46	7	2	3	-	2-3	4-6	2000
16	Sumburgh	19	95·8	-10	WNW	5	c/r	51	92	48	7	5	7	-	4-6	10	1600
17	Blacksod Point	18	15·5	+6	WNW	4	c	54	85	50	7	6	-	-	9	9	1500
18	Malin Head	84	10·6	+4	NW	6	id₀	53	85	49	6	-	2	-	10	10	800
	Aldergrove	268	10·6	+14	WSW	3	d₀d₀	56	92	54	6	5	-	-	10	10	1100
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	19·0	-18	W	4	ir₀	57	97	56	6	5	-	-	10	10	450
	Roches Point	22	16·9	-12	NW'W	3	c-bc	57	92	55	8	5	-	-	7-8	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. 20th September. — PAST 24 HOURS.

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Night 18h–7h mm. (37)	Sunshine 19th Hrs. (38)
London (Kew)	12·8	-10	SW'W	2	id₀	55	92	53	7	5	-	-	10	10	2500	1	*	64	52	41	-	Tr	5·0
Croydon	13·7	-16	W'S	4	r₀r₀	55	92	53	6	5	-	-	2-3	10	800	1	*	65	49	46	-	0·5	4·2
S. Farnborough	13·1	-10	W'S	4	r₀r₀	55	97	55	7	6	2	-	9+	10	600	1	*	66	50	50	-	1	5·1
Boscombe Down	14·2	-10	W'S	4	id₀	55	97	55	7	5	2	-	9	10	1000	1	*	65	47	42	-	1	7·1
Thorney Island	14·7	-6	WSW	3	r₀r₀	57	97	57	7	6	2	-	4-6	10	800	1	*	67	44	39	Tr	3	*
Lympne	13·2	-28	WSW	3	rr	52	97	51	5	5	2	-	4-6	10	1800	1	§3	*	48	41	-	1	9·4
Manston	13·9	-14	SW	4	rr	54	92	52	6	6	2	-	10	10	5000	1	*	*	47	42	-	10	10·5
Shoeburyness	13·9	-10	SSW	2	rr	53	92	52	5	5	-	-	10	10	220	1	*	63	52	43	-	2	5·5
Felixstowe	12·1	-22	W'S	4	r₀r₀	54	97	53	6	5	-	-	10	10	2500	1	4	67	52	49	-	1	[illegible]
Gorleston	09·8	-34	SW	4	r₀r₀	53	92	49	4	6	-	-	10	10	800	1	3	65	50	45	-	2	9·5
Mildenhall	10·2	-18	SW'W	4	r₀r₀	54	97	54	5	6	2	-	9+	10	800	1	*	68	51	45	-	2	6·9
Cranwell	09·0	-6	WSW	4	s/r	55	97	55	6	5	7	-	7-8	9+	800	1	*	66	48	45	-	1	8·4
Birmingham	11·2	0	W	3	z₀	57	92	55	6	5	-	-	9+	9+	1500	1	*	63	51	44	-	0·2	10·1
Upper Heyford	11·9	-14	SW	3	z₀	55	97	55	6	5	2	-	9	10	400	1	*	64	47	42	-	0·5	*
Ross-on-Wye	12·3	0	W	3	bc	59	85	53	8	5	-	1	4-6	4-6	2500	1	*	65	50	47	-	0·5	8·0
Hartland Point	15·3	+4	WNW	5	c	58	97	58	7	6	2	-	9+	10	900	1	3	59	56	55	-	5	7·1
Bristol	13·7	-6	WNW	4	rr	59	92	56	7	6	2	-	7-8	10	600	1	*	65	51	37	-	3	9·0
Portland Bill	14·7	-12	W	5	pr	59	92	57	7	5	-	-	10	10	2500	1	4	60	57	*	-	0·2	*
Plymouth	16·9	0	WNW	3	c	58	97	58	7	5	2	-	7-8	10	1200	1	3	61	54	44	-	1	9·2
The Lizard	18·2	+2	WNW	4	d₀d₀	57	97	57	6	5	-	-	10	10	800	1	4	61	55	*	1	1	1·9
Scilly (St. Mary's)	18·4	-2	WNW	5	c	57	92	54	8	5	-	-	10	10	1200	1	4	65	55	*	-	Tr	3·2
Guernsey																							
Pembroke	14·0	-4	NW	4	cq	59	97	56	8	8	-	-	9+	9+	2000	1	3	61	55	*	0·3	2	3·4
Holyhead (Valley)	14·0	+22	NW'W	5	bc	53	75	47	8	8	3	-	4-6	4-6	2000	1		63	53	50	Tr	1	*
Chester (Sealand)	11·7	+12	WNW	4	c/d	55	85	49	6	5	7	-	7-8	9+	1500	1	*	65	53	44	-	20	5·3
Manchester	11·0	+6	WNW	3	c-bc/pr	53	92	51	7	6	7	-	4-6	7-8	1500	1	*	64	51	46	-	3	*
Spurn Head	07·3	-10	WSW	5	z₀	57	85	52	6	8	3	-	7-8	9+	1500	1	4	66	53	*	-	1	5·4
Catterick (Sc)	07·9	+14	W	4	b-bc	57	75	51	8	5	-	-	2-3	2-3	3500	0	*	61	51	45	-	0·1	6·2
Tynemouth	07·5	+8	W	3	b-bc	53	65	41	8	-	3	-	0	2-3	-	1	2	64	51	47	-	-	*
St. Abbs Head	05·1	+14	W	3	b-bc	48	75	40	8	2	-	-	2-3	2-3	3500	0	3	63	47	*	-	-	*
Leuchars	03·5	-2	W	5	b	48	75	40	8	5	-	-	1	1	2000	1	*	64	46	42	-	1	3·2
Renfrew (Abbots I.)	07·7	+6	W'S	4	pr	48	85	42	6	9	7	-	7-8	9	2000	1	*	61	47	43	Tr	2	0·9
Eskdalemuir	07·2	+8	WNW	4	c-bc	46	75	39	8	5	4	-	4-6	7-8	1800	1	*	56	45	37	Tr	2	0·3
Point of Ayre	10·6	+12	NNW	7	b	53	65	42	8	2	-	-	1	1	3000	0	4	62	53	*	Tr	0·2	0·7
Tiree	08·1	+2	NW'W	7	c-bc/pr	50	75	43	8	8	-	-	7-8	7-8	2000	1	5	57	47	44	0·3	7	0·0
Stornoway	01·0	+4	WNW	7	bc/pr	44	97	44	8	9	-	-	4-6	4-6	1500	1	5	57	44	42	0·3	6	0·0
Dalwhinnie	04·0	0	WSW	3	ir	41	85	38	7	5	-	-	9+	9+	1500	1	*	65	41	38	-	16	0·0
Aberdeen †	01·5	-6	W'S	2	b	47	97	46	9	3	4	-	Tr	Tr	2500	1	2	68	46	39	-	3	4·3
Wick	97·8	-14	WSW	5	PR	44	92	42	5	9	-	-	9+	9+	1500	1	*	58	42	37	-	7	*
Sumburgh	91·9	-22	WSW	5	pr	49	75	42	8	3	-	3	7-8	7-8	2000	1	4	54	48	43	2	4	0·0
Blacksod Point	17·9	+10	NW'W	4	c	52	65	40	8	8	-	-	9+	9+	1500	1	4	58	50	*	1	1	*
Malin Head	11·3	+2	NW	5	pr	51	65	40	8	2	-	-	4-6	4-6	1500	1	5	58	51		0·2	8	0·7
Aldergrove	12·7	+10	WNW	4	bc	48	75	43	7	5	-	-	4-6	4-6	2500	1	*	60	47	45	-	1	0·0
Birr Castle	16·8	+24	WSW	1	b-bc	48	92	46	8	5	-	-	2-3	2-3	2500	1	*	62	48	42	0·2	6	0·6
Valentia Obsy.	20·0	+18	N	5	c/pr	54	75	46	8	8	-	3	9	9+	3200	1	4	58	53	49	1	2	0·3
Roches Point	08·1	+20	NNW	4	c-bc/r	56	85	51	8	5	-	-	7-8	7-8	1500	1	3	63	55		0·1	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 19th Sept. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 20th Sept. $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
100	57	02745	54628	57	61645	54768	8-	25744	24484	36	81844	56585
115	52	62735	57568	--	67009	54769	57	81844	61686	87	82844	61687
203												
206	57	02954	20627	57	61955	53627	50	22653	25463	36	25854	20684
210	57	02961	20527	57	02952	21527	52	61854	57668	36	25853	54584
219	5-	02848	19658	62	52526	22768	14	01854	25724	96	25854	60884
230	52	52856	20358	5-	54504	22458	52	02746	61567	3-	02854	55584
245	19	02951	53426	59	02953	53527	62	62648	22468	14	01951	23361
260	52	05646	22428	47	05665	22528	5-	62548	55868	00	05690	22610
278	8-	02857	18257				52	22645	25568	36	25853	24584
270	52	52635	20558	52	02846	53458	52	62646	22568	80	01853	24463
285	27	04625	24527							23	01743	26714
288	7-	02856	20326	86	02855	20426	07	02790	18426	50	01853	24313
575	53	02845	25326	62	52535	224[illegible]	50	21725	32655	80	01764	28414
301	7-	02865	21326	53	02864	22355	52	02746	22568	86	02744	28566
321	16	05661	18242	40	01763	20214	50	05667	18317	57	01743	25354
298	14	01753	22213	80	05654	22214	5-	05655	24415	80	01745	26315
392	10	01854	20314	50	01754	22314	57	05565	18328	86	01953	30463
310												
614	14	05561	24311	58	05652	26213	52	05656	20328	5-	52637	26257

III	13h. G.M.T. 19th Sept. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 20th Sep. $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
338	26	02745	18456	57	02865	20427	52	02755	20468	54	21845	28365
334										--	54437	52258
340	20	01964	22314	53	01954	24225	57	61755	18328	62	61735	28268
136	50	05642	1824x	40	01752	16212	00	08490	23314	5-	61638	20568
336										62	62526	28468
350	10	05652	14102	00	05690	16101	03	08490	20316	5-	61525	53368
368	80	05653	20113	27	01863	25214	5-	51748	26358	62	62634	58468
379				40	05651	22111	5-	05628	22418	62	61726	22458
390	20	05654	26215	46	05551	16212	03	05590	18101	52	62444	20468
382	00	05690	16220				57	04444	22248	5-	51636	25368
438	20	01804	16214	57	05653	00014	50	01754	22314	5-	52648	24668
440	2-	01755	24215	4	00990	18111	50	05674	24104	52	52736	22258
409	74	02954	20126	84	02854	28126	52	51645	21358	5-	51628	26358

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of ....
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	cmbzw	bbcez₀	cbmwird
Croydon	ofbczy	cyccz₀	cbcgmr
Greenwich	cbcmoy	bccm₀	bcbcid
Camden Square	o	c	*
Kensington	bcz	c	*
Hampstead	bc	or	o

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ending 7h. Max. 0·3 Time 11-12h 19th. Min. <0·1 Time 4-7h 20th.

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	64	52	41	-	Tr	5·0	*	*
Croydon	65	49	46	-	0·5	4·2	*	*
Greenwich	67	48	36	-	0·5	3·8	66	91
Westminster	65	52	45	0·1			60	99
Regents Park	65	51	45	-	0·8		68	90
Camden Square	66	51	44	-	1·0	*	*	94
Kensington	66	51	41	-	0·6		63	95
Hampstead	64	48	43	-	0·7		*	95

SECRET

Page 1 BRITISH SECTION

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

Tuesday 21st September 1943

No. 22882

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

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)	14·0	+12	WNW	3	bc	63	65	49	7	8	3	-	4-6	4-6	1500
	Croydon	14·6	+6	W'N	3	c	64	75	57	7	5	4	-	9	9+	1400
	S. Farnborough	14·2	+8	NNW	3	c/r	62	75	53	7	7	7	-	9	9+	1600
	Boscombe Down	15·1	+4	W'N	4	c-bc	61	75	52	8	8	-	-	4-6	7-8	3000
	Thorney Island	14·3	+2	W	3	c	67	75	58	8	5	-	-	10	10	2500
	Lympne	13·4	-2	W	3	c	65	75	57	7	1	7	-	7-8	9+	1500
	Manston	12·8	-4	W'S	4	Zo	64	75	56	6	5	9	-	7-8	9+	1400
2	Shoeburyness	13·8	+2	NW	3	cbc/r	61	75	51	8	8	-	-	7-8	7-8	1500
	Felixstowe	12·3	+2	WNW	4	c	61	75	51	8	5	7	-	7-8	9	2500
	Gorleston	10·8	+10	N'W	4	c	60	97	59	7	8	-	-	9	9	1700
	Mildenhall	12·4	+14	WNW	5	b-bc	62	55	45	8	1	-	-	2-3	2-3	2500
	Cranwell	12·3	+16	WNW	4	Zo	60	55	42	6	2	-	-	7-8	7-8	2500
3	Birmingham	14·8	+14	WNW	4	b-bc	58	45	48	8	1	-	-	2-3	2-3	2500
	Upper Heyford	13·5	+6	NNW	5	bc	62	65	48	8	2	-	-	4-6	4-6	2800
4	Ross-on-Wye	15·5	+12	WNW	4	b	60	45	41	8	1	-	-	1	1	3500
5	Hartland Point	17·9	+14	WNW	5	c-bc	56	85	50	8	2	6	-	4-6	7-8	1500
	Bristol	16·0	+16	NW	3	bc	60	65	49	8	2	6	-	2-3	4-6	3000
	Portland Bill	16·2	+6	W	5	c	62	92	60	8	2	4	-	4-6	9	4000
	Plymouth	18·1	+4	WNW	4	c	60	85	56	8	7	2	-	9	9+	1500
	The Lizard	18·8	+6	WNW	3	c/d	68	97	68	7	5	-	-	10	10	1000
	Scilly (St. Mary's)	20·1	+10	N	4	c/d	58	92	55	8	5	-	-	9	10	1200
	Guernsey															
6	Pembroke	18·8	+14	NNW	4	bc	58	65	46	8	2	6	-	4-6	4-6	2500
7	Holyhead (Valley)	16·0	+2	NW'N	5	bc	58	55	43	8	1	-	1	4-6	4-6	2500
	Chester (Sealand)	14·6	+10	WNW	5	bc	56	55	42	8	2	-	-	4-6	4-6	2500
8	Manchester	13·5	+10	NW	5	bc	57	65	43	8	2	-	-	4-6	4-6	2500
10	Spurn Head	11·5	+14	NW'N	6	bcq	59	55	41	7	2	3	-	4-6	4-6	2500
	Catterick (Sc)	10·1	+4	WNW	4	bc	58	65	46	8	7	-	-	4-6	4-6	3500
	Tynemouth	08·5	+6	W	6	b.bcq	58	45	40	7	2	-	-	2-3	2-3	2500
11	St. Abbs Head	04·7	+4	W	6	b-bc	53	55	39	8	1	4	-	2-3	2-3	4000
	Leuchars	05·3	+20	W	7	c-bc	58	45	39	8	5	-	9	7-8	7-8	2500
12	Renfrew (Abbots I.)	09·0	+12	W	5	c-bc	55	65	42	8	8	-	-	7-8	7-8	1800
	Eskdalemuir	08·6	+10	WNW	5	bc	54	55	38	8	8	-	-	4-6	4-6	2400
	Point of Ayre	13·3	+6	NN'N	6	b-bcjp	57	65	46	8	3	6	-	2-3	2-3	2000
13A	Tiree	11·3	+12	WNW	7	bc/pr	54	85	49	8	3	2	-	4-6	4-6	2000
13B	Stornoway	06·5	+34	NW	6	cbc/pr	52	75	43	8	9	-	-	7-8	7-8	1800
15	Dalwhinnie	06·0	+16	W	3	pr	47	75	40	7	5	-	-	9	9	2500
	Aberdeen	02·3	+18	WNW	6	c	55	65	40	9	1	-	-	9	9	2500
	Wick	99·9	+16	NW	6	c/pr	51	85	47	8	9	-	-	9	9	1500
16	Sumburgh	90·6	-14	WNW	6	pr	49	85	45	7	6	-	3	4-6	9	1600
17	Blacksod Point	19·9	+6	NW	5	pr	55	75	47	7	6	-	-	9+	9+	1500
18	Malin Head	14·1	+12	NW'N	7	pr	52	75	44	8	2	-	-	4-6	4-6	1500
	Aldergrove	14·7	+10	WNW	4	pr	52	75	45	8	8	1	-	7-8	9	1800
19	Birr Castle	18·6	+2	WNW	3	bc	57	55	42	8	4	-	-	4-6	4-6	2500
20	Valentia Obsy.	22·4	+4	NW'N	4	c	55	65	43	8	5	-	-	9+	9+	4000
	Roches Point	20·2	+6	N	5	bc	58	65	46	8	5	-	-	4-6	4-6	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 8 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	14·7	+6	NW	2	bc	59	55	40	7	5	-	1	2-3	4-6	2500	1	*
Croydon	15·7	+10	NN'N	4	Zo	60	55	42	6	4	8	1	4-6	7-8	2000	0	*
S. Farnborough	16·4	+10	WNW	2	b-bc	59	55	43	8	5	4	1	1	2-3	3500	0	*
Boscombe Down	16·2	+6	NW'W	2	b	55	65	42	8	4	-	1	Tr	1	4000	0	*
Thorney Island	15·4	+2	W'N	3	b	59	65	48	8	1	4	-	Tr	1	4000	0	*
Lympne	14·6	+2	NNW	1	Zo	58	85	52	6	1	4	-	2-3	4-6	2000	0	§2
Manston	13·0	+8	NW	4	Gbc	60	55	42	7	5	-	-	7-8	7-8	2500	0	*
Shoeburyness	13·9	+4	NW	2	bc	57	55	42	7	7	4	-	2-3	4-6	4000	1	*
Felixstowe	14·1	+14	W'N	4	bcjp	59	45	40	8	-	-	4	0	4-6	-	0	4
Gorleston	11·6	+2	NNW	3	bc	58	85	53	7	5	-	3	2-3	4-6	1500	0	2
Mildenhall	13·5	+6	W'N	4	b-bc	55	65	44	8	5	4	1	Tr	2-3	2500	1	*
Cranwell	13·3	+8	WNW	5	bc	54	65	43	7	4	-	-	4-6	4-6	3500	0	*
Birmingham	15·5	0	WNW	3	c-bc	54	55	39	7	5	-	-	7-8	7-8	4000	1	*
Upper Heyford	15·1	+8	NW'N	3	c-bc	54	65	41	9	4	-	6	4-6	7-8	4500	0	*
Ross-on-Wye	16·3	+4	W	2	b	54	65	41	8	4	-	1	1	1	3500	1	*
Hartland Point	18·5	+2	NNW	4	Gbc	56	65	45	8	1	-	5	4-6	7-8	3000	1	3
Bristol	16·8	+6	NW'W	3	b-bc	53	55	39	8	4	-	5	1	2-3	4000	1	*
Portland Bill	17·1	+4	NW	4	Gbc	58	85	54	8	2	-	-	7-8	7-8	4000	1	4
Plymouth	18·8	+2	NW	4	bc	56	75	48	8	5	3	2	2-3	4-6	2500	1	2
The Lizard	19·1	0	NW	2	cbc	56	85	50	8	2	6	-	7-8	7-8	2500	1	3
Scilly (St. Mary's)	20·4	+4	NNW	4	c	56	75	46	8	5	-	5	7-8	9	1500	1	4
Guernsey																	
Pembroke	18·4	0	NW	3	bc	56	65	45	8	8	6	1	4-6	4-6	2500	0	2
Holyhead (Valley)	16·1	+2	NW	6	Gbc	55	65	43	8	8	6	-	4-6	7-8	3000	1	4
Chester (Sealand)	14·7	+2	W'N	3	bc/pr	52	75	44	8	2	6	1	4-6	4-6	2500	0	*
Manchester	14·6	+6	WNW	4	S/pr	53	75	44	6	2	6	3	4-6	9	2500	1	*
Spurn Head	11·3	+2	W	6	b.bcq	56	65	43	7	2	-	-	2-3	2-3	2500	0	4
Catterick (Sc)	11·4	+6	W	3	bc/pr	52	75	45	8	8	-	-	4-6	4-6	3000	0	*
Tynemouth	09·8	[illegible]	W	6	b-bcq	55	55	40	7	2	-	-	1	2-3	2500	0	3
St. Abbs Head	07·1	+6	WNW	5	c-bc	53	65	40	8	5	6	-	4-6	7-8	3500	0	5
Leuchars	07·5	+14	W	6	bcjp	53	65	42	8	8	4	-	4-6	4-6	2500	0	*
Renfrew (Abbots I.)	10·1	+6	W	5	pr	51	85	45	7	8	-	-	7-8	7-8	1800	1	*
Eskdalemuir	09·9	-2	W'N	3	bc	47	75	39	8	7	-	-	4-6	4-6	2500	1	*
Point of Ayre	13·5	+4	NW'N	6	b-bc	54	75	47	8	3	-	-	2-3	2-3	2500	0	4
Tiree	12·1	+4	WNW	6	pr	50	85	45	8	9	6	-	7-8	9	1500	1	4
Stornoway	07·3	0	WNW	5	cbc/pr	47	92	45	8	9	6	9	7-8	7-8	1200	1	4
Dalwhinnie	08·2	+6	NW	3	pr	44	85	39	7	5	-	-	9+	9+	1500	1	*
Aberdeen	05·6	+20	NW	5	Gbc	50	55	33	8	2	-	9	1	7-8	2500	1	3
Wick	03·8	+10	NW	7	Gbc	47	85	43	8	9	-	5	7-8	7-8	2500	0	*
Sumburgh	95·9	+46	NW'N	7	prs	49	85	44	7	9	3	-	9	9+	1000	2	4
Blacksod Point	19·8	-2	NW	4	c/pr	50	85	46	8	5	-	-	9+	9+	1500	1	3
Malin Head	14·1	0	NW	7	pr	51	75	43	8	2	-	-	9+	9+	1500	2	6
Aldergrove	14·9	+2	NW'N	4	pr	51	75	41	8	8	1	-	7-8	7-8	2000	1	*
Birr Castle	18·5	+2	WNW	3	c	53	65	42	8	5	7	-	4-6	9	2500	1	*
Valentia Obsy.	22·2	-2	NW	4	pr	54	75	46	8	7	-	-	9+	9+	2500	1	4
Roches Point	20·3	+2	N	5	bc	56	65	44	8	5	4	-	2-3	4-6	2500	1	3

PAST 24 HOURS.

Stations	Weather 7h.–13h. 20th (39)	13h.–18h. 20th (40)	18h 20th to 1h. 21st (41)	1h.–7h. 21st (42)
London (Kew)	cmorobc	bcy	bz0w	bbccm0w
Croydon	crorom0ccm0c	bcy cz0y	cz0bz0b	bbcc
S. Farnborough	croiroc	cbcyb	bbcb	bbccm0c
Boscombe Down	cidocbc	bcbyb	bbcbw	bwcwbcw[illegible]
Thorney Island	cm0dodoc	cprocb	bbw	bwcwcwm0
Lympne	cm0ircm0	cm0bcm0	bcbm0wcm0	bwbccm0c
Manston	crrrorocm0	cz0prcy	cbcz0bbc	bcbbcb
Shoeburyness	crr	rbc	bcc	cm0wc
Felixstowe	cmoc	bbybcy	bcybm0bc	bcc
Gorleston	cidoc	cbc	bz0bc	bc
Mildenhall	crorom0bcy	bcbc	bbcc	cbccm0
Cranwell	bcz0y	bcz0ybc	bcyz0bcm0	bcm0wcbcm0
Birmingham	cprobc	bcc	cpr0prc	bcc
Upper Heyford	ciroc	bcb cy	bbz0bc	bcc
Ross-on-Wye	bccbc	by	bbcb	bwcc
Hartland Point	irocbc	bc	bc	bcc
Bristol	crcidoc	bcb cyby	byb bcm0w	cm0wcw
Portland Bill	cc	c	bcc	c
Plymouth	cidom0	bc	cm0	bccm0
The Lizard	cido	oc	bcc	cbcc
Scilly (St. Mary's)	cpoidoc	c	c	c
Guernsey				
Pembroke	cqprbc	bc	cbc	bcc
Holyhead (Valley)	bcy	bcc	cpr0bc	bcc
Chester (Sealand)	cm0bcy	bcybc	cpr0z0	bccpr0
Manchester	cirobc	bccpro	bcz0pr0m0	bccwprm0
Spurn Head	bcq	bcq	bc	bc
Catterick (Sc)	bc	bcpro	b	cbc
Tynemouth	bcq	bcq	bcqb	bbc
St. Abbs Head	bc	bc	bcb	bbc
Leuchars	bbcc	cybcjp	bcjpb	bcvw
Renfrew (Abbots I.)	cproprbcc	bccprobccpro	bccpr0bc	bccpr0b
Eskdalemuir	cprbc	bcyprbc	bc	bcb
Point of Ayre	bbccb	bprcb	bpr0b	bprc
Tiree	cprccprc	bccprot	bc	bccbcw
Stornoway	cprccprc	cbccpr	cpr	cprbc
Dalwhinnie	coprc	cpr	*	coprc
Aberdeen	bbccq	bcprogy	bcpr0b	bcjp
Wick	cprpr	cprc	cbcpr0bc	bcpr0c
Sumburgh	cproro	cprorsc	cprsprbc	cpr0cjp
Blacksod Point	pr	pr	pr	pr
Malin Head	pr	pr	bc	pr
Aldergrove	bccpro	ccproc	c	cir0cpr0c
Birr Castle	bc	c	*	pr
Valentia Obsy.	c	pr	pr	pr
Roches Point	bc	bc	bc	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 21st September, 1943.

Districts	Forecast
1 S.E. England; ~~2 E. England~~	Moderate northwest wind, veering north, cloudy at first then brighter periods but with showers; cold with some ground frost at night
3 E. Midlands; ~~4 W. Midlands~~	Wind veering northerly moderate to fresh at times on the coast; variable cloud; showers; cold with local ground frost well inland at night.
5 S.W. England; ~~6 South Wales~~	Winds north to northeast light to moderate; cloudy with local rain early, then bright periods with local showers; cold with ground frost locally at night.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate or fresh north to northeast winds; showery; hail probable locally; cloudy and brighter periods; cold; ground frost in all sheltered localities at night.
16 Orkneys and Shetlands	As 6-15.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Light to moderate northerly winds; considerable bright periods; local showers especially in the northeast; rather cold.

GENERAL INFERENCE

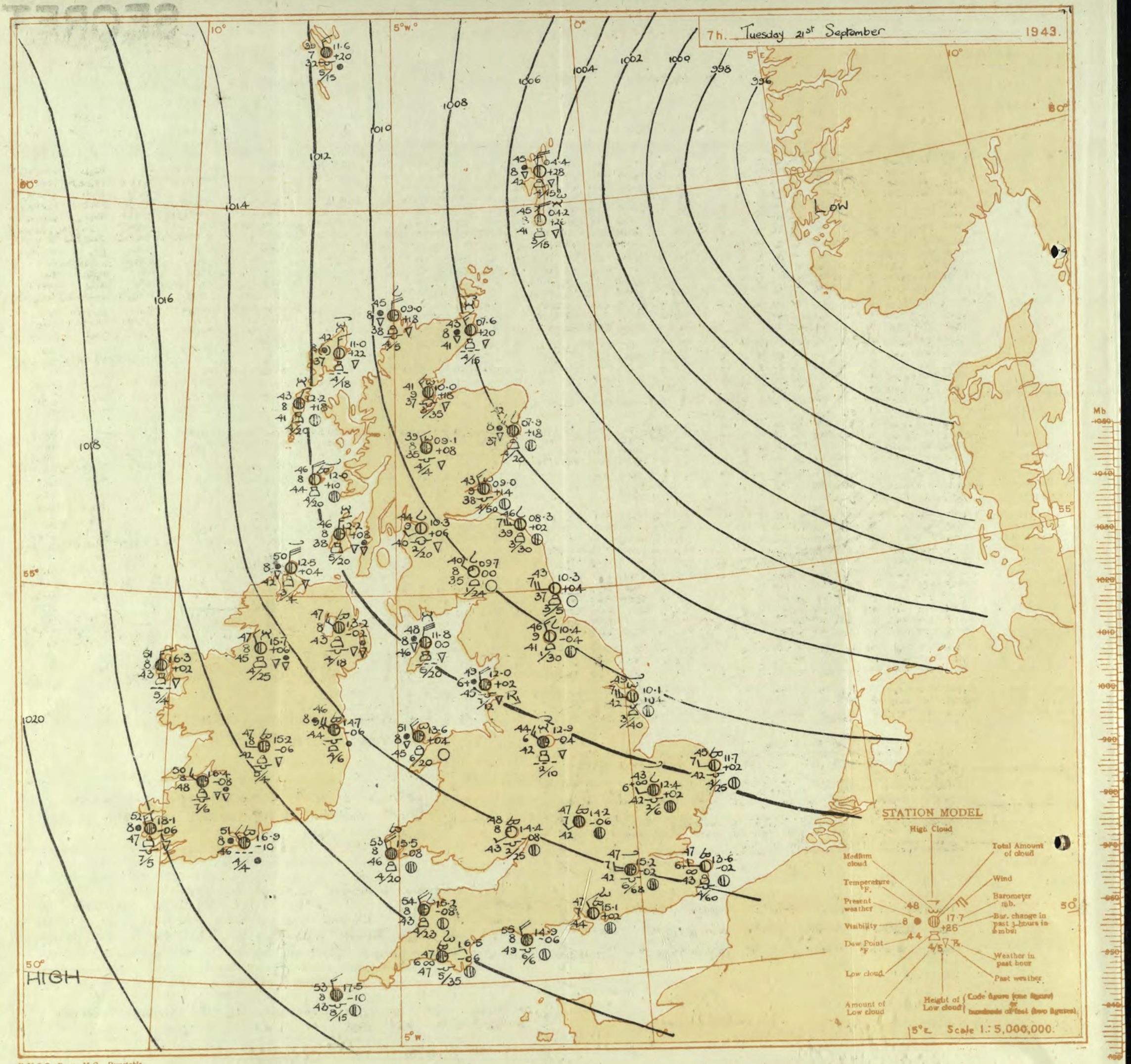
A large anticyclone is centred north of the Azores with a ridge extending to Iceland. A shallow trough of lower pressure is moving south over England and showery weather now prevalent in the North will become more general. Temperature will remain low with some ground frost at night.

FURTHER OUTLOOK

Continuing cold or rather cold with further showers especially in the North and East.

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.

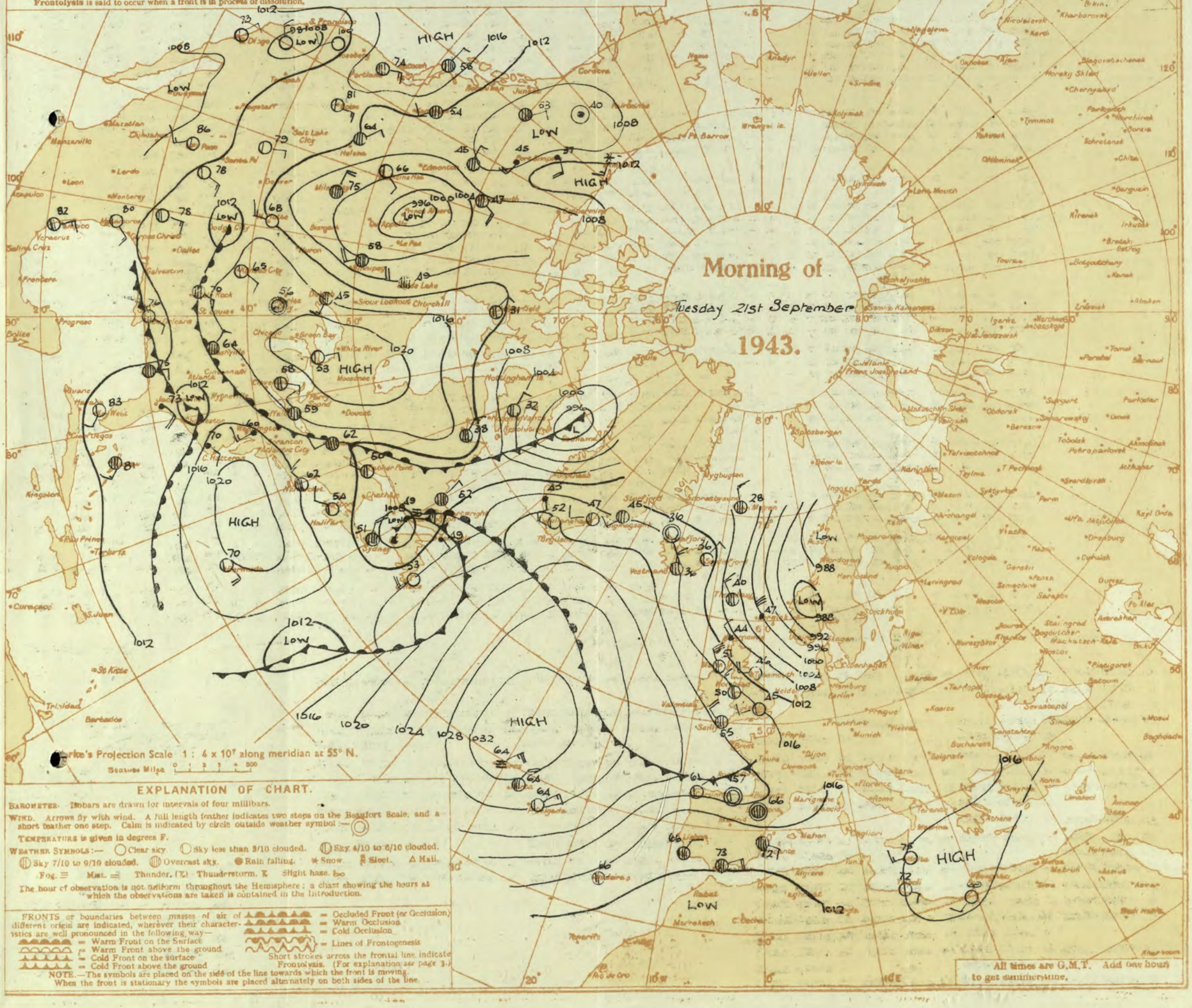
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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 summertime.

BRITISH SECTION

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

Tuesday 21st September 1943

No. 29588

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon	290	16·3	-2	WSW	2	b-bc	45	85	42	7	-	-	1	0	2-3	-
	S. Farnborough	226	15·5	-6	W'N	2	b	45	85	41	8	-	-	1	0	Tr	-
	Boscombe Down	417	16·5	-8	W N	2	b	45	85	42	8	-	4	-	0	Tr	-
	Thorney Island	10	16·1	-2	W'N	2	b	46	92	43	7	-	4	-	0	Tr	-
	Lympne	283	15·3	-2	NNW	2	z0	45	85	41	6	-	3	-	0	Tr	-
	Manston	154	14·4	-2	NW	3	b	52	65	42	7	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	14·0	-2	W'S	4	b-bc	51	75	45	7	1	7	-	1	2-3	4000
	Gorleston	5	11·8	-4	WNW	3	c-bc	47	85	44	7	-	4	-	0	7-8	-
	Mildenhall	15	13·5	-8	W'S	2	c-bc	48	85	44	7	5	3	-	4-6	7-8	4000
	Cranwell	203	12·8	-6	WNW	2	z0	46	92	45	6	5	-	-	Tr	Tr	4000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15·1	-6	W	2	c-bc	45	85	41	7	-	-	6	0	7-8	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·1	-8	NW	4	b-bc	55	75	47	8	1	-	-	2-3	2-3	2500
	Bristol	209	16·6	-6	WNW	2	z0	49	85	45	6	5	3	-	4-6	7-8	4000
	Portland Bill	32	17·1	-6	NW	4	c	55	85	51	8	5	4	-	7-8	9	4000
	Plymouth	86	17·9	-14	E	1	z0	45	97	43	6	4	3	(-)	4-6	7-8	4000
	The Lizard	240	18·8	-16	NW	2	c-bc	52	85	47	8	5	3	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	19·6	-8	NW'N	4	c	65	65	45	8	8	3	-	7-8	9+	1500
	Guernsey	175															
6	Pembroke	142	17·5	-6	NW'N	4	bc	54	75	46	8	1	3	-	2-3	4-6	4000
7	Holyhead (Valley)	32	15·4	-10	NW	4	bc	50	75	41	8	2	6	-	2-3	4-6	2500
	Chester (Sealand)	16	14·3	-2	W'N	4	c-bc/pr	51	75	45	7	4	3	-	4-6	7-8	2000
8	Manchester	230	13·7	-6	W	3	bc	47	83	43	7	2	6	3	2-3	4-6	3000
10	Spurn Head	29	11·4	-6	W	5	b-bc	50	75	43	7	7	-	-	2-3	2-3	2500
	Catterick (Sc)	192	10·8	-4	W	1	b	45	85	42	8	-	4	-	0	Tr	-
	Tynemouth	108	10·2	-2	W	4	b	46	85	41	8	-	-	-	0	0	-
11	St. Abbs Head	280	07·5	-2	W'N	4	b-bc	47	75	40	7	1	-	-	2-3	2-3	2500
	Leuchars	36	08·0	-2	SW	3	b	46	85	40	9	5	-	-	1	1	4000
12	Renfrew (Abbots I.)	19	10·0	0	W	3	bc	44	92	41	7	8	-	-	4-6	4-6	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	12·7	-8	NW'N	6	b-bc	51	85	45	8	3	-	5	1	2-3	2000
13A	Tiree	44	12·3	+2	NW	6	bc	49	92	46	8	3	-	-	4-6	4-6	1800
13B	Stornoway	12	08·6	+8	NW	2	pr	44	92	42	7	9	-	-	10	10	1100
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	06·4	+2	WNW	3	c-bc	42	85	40	8	2	6	-	1	7-8	2500
	Wick	114	05·0	+6	NW	3	bc	43	85	40	7	2	-	3	2-3	4-6	2500
16	Sumburgh	19	00·2	+18	NW	5	c-bc	47	85	43	8	2	3	-	7-8	7-8	1500
17	Blacksod Point	18	17·3	-14	NW	5	c-bc	51	75	44	8	9	-	-	7-8	7-8	1500
18	Malin Head	84	13·3	-8	NNW	7	bc	51	85	47	8	2	-	-	4-6	4-6	1500
	Aldergrove	268	14·5	-10	W'S	4	c-bc	46	85	42	8	5	-	6	2-3	7-8	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	20·5	-10	WNW	3	ir0	53	75	46	8	5	-	-	10	10	2500
	Roches Point	22	18·8	-10	NW'W	3	c-bc	51	85	47	8	5	3	-	4-6	7-8	2500

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

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)	14·1	-2	WSW	1	z0	48	85	43	6	5	-	-	9+	9+	2500	1	*
Croydon	15·2	-2	W	2	c	47	85	42	7	5	-	1	9	9+	6800	0	*
S. Farnborough	14·3	-2	WNW	2	c	48	85	44	7	5	7	-	7-8	9+	5000	0	*
Boscombe Down	15·3	-4	W	2	c	47	85	43	8	-	7	-	0	9	-	0	*
Thorney Island	16·1	+2	NW	2	c-bc	47	85	44	7	-	7	9	0	7-8	-	0	*
Lympne	14·3	-2	NW	2	c-bc	45	92	42	7	5	3	-	2-3	7-8	6800	0	2
Manston	13·6	-2	WNW	2	z0	47	85	43	6	8	7	-	4-6	4-6	6000	0	*
Shoeburyness	14·4	-2	W'N	2	z0	48	85	43	6	5	3	-	2-3	7-8	1500	;	*
Felixstowe	13·1	+2	WSW	3	c	49	85	44	7	-	7	2	0	9	-	0	4
Gorleston	11·7	+2	W'N	2	bc	45	85	42	7	5	7	-	4-6	4-6	2500	0	2
Mildenhall	12·4	+2	WSW	2	z0	43	97	42	6	5	4	1	1	7-8	4000	0	*
Cranwell	11·3	-4	W'N	3	c-bc	44	92	43	7	5	3	1	2-3	7-8	3000	1	*
Birmingham	13·5	-2	W	3	z0	46	85	42	6	5	7	-	7-8	9+	4000	1	*
Upper Heyford	14·2	-6	SW'W	2	c	47	85	42	7	-	7	-	0	10	-	0	*
Ross-on-Wye	14·4	-8	SW	1	c	48	85	43	8	5	7	-	1	1	2500	1	*
Hartland Point	15·2	-8	NW	4	c	54	65	43	8	2	4	-	4-6	9	2300	1	4
Bristol	15·0	-6	NW	2	c	49	85	45	7	-	7	-	0	9+	-	1	*
Portland Bill	14·9	-6	NW	4	c	55	85	49	8	5	-	-	9	9	4000	1	4
Plymouth	16·5	-6	ENE	1	z0	47	97	47	6	5	7	9	7-8	9+	3500	0	1
The Lizard	17·0	-8	NNW	2	c	52	85	46	8	5	-	-	9+	9+	1500	0	3
Scilly (St. Mary's)	17·5	-10	NW	3	c	53	65	43	8	5	-	-	10	10	1500	1	3
Guernsey																	
Pembroke	15·5	-8	NW	4	c	53	85	46	8	2	7	-	4-6	10	2000	0	2
Holyhead (Valley)	13·6	+4	NW'W	4	pr	51	85	45	8	2	9	-	9	9+	2000	1	3
Chester (Sealand)	12·7	-2	W	2	c/pr	50	75	43	7	2	7	2	4-6	9+	2500	1	*
Manchester	13·0	-2	NW'W	2	c/pr	46	92	44	8	4	-	-	9+	9+	1500	1	*
Spurn Head	10·1	+4	W	5	bc	49	75	42	7	7	3	1	2-3	4-6	4000	0	3
Catterick (Sc)	10·4	-4	NW	3	b-bc	46	85	41	9	1	4	-	Tr	2-3	3000	0	*
Tynemouth	10·3	+4	W	4	b-bc	43	85	37	7	2	-	-	2-3	2-3	2500	1	3
St. Abbs Head	08·3	+2	W	5	bc	46	75	39	7	2	4	-	2-3	4-6	3000	0	4
Leuchars	09·0	+14	NW	3	c-bc	43	85	38	9	5	3	-	4-6	7-8	5000	1	*
Renfrew (Abbots I.)	10·3	+6	SW	2	b-bc	44	85	40	9	4	4	-	1	2-3	2000	1	*
Eskdalemuir	09·7	0	WNW	2	b	40	85	35	8	1	4	-	Tr	1	2400	1	
Point of Ayre	11·8	0	N'W	6	pr	48	92	46	8	9	6	-	7-8	9	2000	1	4
Tiree	12·0	+10	NNW	4	bc	46	92	44	8	3	7	1	4-6	4-6	2000	1	4
Stornoway	11·0	+22	NNW	3	bcjp	42	85	37	8	9	6	3	4-6	4-6	1800	·1	2
Dalwhinnie	09·1	+8	NW	2	c	39	85	35	8	5	3	-	4-6	9	1500	1	*
Aberdeen †	07·9	+18	WNW	3	pr	42	85	37	8	2	4	-	4-6	7-8	2000	1	2
Wick	07·6	+20	NW	3	pr	43	92	41	8	9	6	3	4-6	7-8	1500	1	*
Sumburgh	04·2	+26	N'W	4	bc	45	85	41	8	3	6	9	2-3	4-6	1500	1	3
Blacksod Point	16·3	+2	NNW	3	c-bc	51	75	43	8	9	-	-	7-8	7-8	1500	1	3
Malin Head	12·5	+4	N'W	6	pr	50	75	42	8	2	-	1	2-3	4-6	1500	2	6
Aldergrove	13·2	-2	W'N	3	c-bc	47	85	43	8	8	7	-	4-6	7-8	1800	1	*
Birr Castle	15·2	-6	W	1	c	47	85	42	8	8	7	-	7-8	9	1500	1	*
Valentia Obsy.	18·1	-6	NW'W	3	r0	52	85	47	8	8	-	-	9+	9+	2100	1	3
Roches Point	16·3	-10	WNW	3	ir0	51	85	46	8	6	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)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 20th Hrs. (38)
London (Kew)	64	44	39	Tr	Tr	4·2
Croydon	69	43	37	0·1	-	3·0
S. Farnborough	65	44	32	Tr	-	5·7
Boscombe Down	63	43	39	0·2	-	5·1
Thorney Island	69	44	38	0·2	Tr	*
Lympne	*	42	36	1	-	2·9
Manston	64	43	40	2	-	2·5
Shoeburyness	65	46	41	0·6	-	3·1
Felixstowe	63	47	44	0·3	-	[illegible]·4
Gorleston	61	45	40	0·5	-	4·4
Mildenhall	63	42	38	-	-	4·3
Cranwell	60	44	40	-	-	8·1
Birmingham	60	45	38	Tr	0·2	6·5
Upper Heyford	63	42	36	Tr	-	*
Ross-on-Wye	63	47	42	-	-	7·0
Hartland Point	58	53	51	0·3	-	4·9
Bristol	62	44	40	0·3	-	5·5
Portland Bill	62	51	*	-	-	*
Plymouth	61	44	35	1	-	3·3
The Lizard	61	56	*	0·5	-	1·9
Scilly (St. Mary's)	61	53	*	0·3	-	3·0
Guernsey						
Pembroke	59	51	*	Tr	-	7·1
Holyhead (Valley)	60	48	45	1	Tr	*
Chester (Sealand)	58	48	45	Tr	2	10·8
Manchester	57	45	40	0·1	1	*
Spurn Head	59	47	*	-	-	9·2
Catterick (Sc)	58	43	36	Tr	-	9·7
Tynemouth	58	42	39	-	-	*
St. Abbs Head	58	45	*	-	-	*
Leuchars	58	53	43	-	-	8·7
Renfrew (Abbots I.)	57	42	38	1	0·6	7·8
Eskdalemuir	55	37	28	0·3	-	8·2
Point of Ayre	58	48	*	0·4	5	8·1
Tiree	55	45	40	1	0·3	7·2
Stornoway	54	39	34	2	4	5·1
Dalwhinnie	51	37	30	3	2	4·4
Aberdeen †	55	41	37	Tr	0·1	8·9
Wick	51	41	36	2	0·5	*
Sumburgh	51	44	39	2	4	2·5
Blacksod Point	57	48	*	0·1	3	*
Malin Head	54	48		0·5	1	5·4
Aldergrove	55	45	43	0·2	0·5	3·8
Birr Castle	60	47	43	-	0·2	6·6
Valentia Obsy.	58	51	48	Tr	0·4	2·0
Roches Point	59	50		-	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 20th Sept. $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 21st Sept. $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	82	25755	60788	36	02754	60725	8-	81754	20584	84	81855	29585
115	87	82732	96886	87	14744	97886	02	02854	32527	84	81854	32486
203	8-	82840	24486									
206	35	25754	59685	36	02843	59415	5-	81858	28388			
210	·			86	81855	59626				86	02953	61585
219	86	81855	26685	84	02854	26685	26	25853	29684	36	02854	02115
230	3-	25856	59586	36	81855	5748-	36	25853	28384	86	02963	28385
245	24	02955	59515	2-	02853	28224	54	01852	24212	54	02951	22265
260				14	05654	24614	50	05663	24443	10	05664	24214
278	36	25845	24786	86	25845	26785						
279	36	02844	57585	30	81865	57585	50	01863	26383	80	01863	24203
285	20	25845	26685							13	05631	30412
288	2-	02855	56525	04	01990	24414	04	01890	24311	04	01890	25211
575	26	02854	16415	33	25754	26384	36	01854	25385	36	25854	28184
301	20	07855	26615	36	81845	61527	26	05645	27525	5-	31647	23487
321	8-	02765	58425	86	12764	59485	86	01764	22214	53	05663	24124
290				10	01752	24312	00	00790	24300	84	01753	24313
292	26	01954	24514	26	01952	24413	04	01890	22301	20	01852	24213
310				--	01626	26316				--	63626	26216
614	7-	01755	24515	46	05663	24314	23	05653	23325	27	05651	24327

III	13h. G.M.T. 20th Sept. $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 21st Sept. $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
388	10	02865	28515	26	02865	26315	56	02855	24215	27	81855	26328
334												
340	50	01954	28324	86	25955	28385	5-	02855	26325	84	25845	24187
136	10	01863	24663	16	01862	24563	00	01790	20413	54	05643	22315
336				53	02754	28416				52	22754	24368
350	10	01764	26414	44	01762	28313	04	05790	24215	07	02790	22327
368	10	01854	63415	86	31854	28214	57	05653	24214	87	05653	28327
379	10	01844	18514	40	01863	26314	00	01790	26314	07	02890	26327
390	8-	05644	28425	00	01790	61413	00	05690	24113	03	05690	22317
382	27	61864	26424				04	02790	00015	03	02890	25327
438	8-	02647	24527	40	01953	27313				13	02763	30315
430	13	01745	23366	00	01890	24112	00	00790	18201	08	02790	24126
409	57	02954	31457	57	02854	30325	56	01854	30315	87	02854	29217

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 21st September
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	cmr0bc	bcy	bz0wm0w	Kew 24 hours ending 7h.
Croydon	cr0r0mpcm	bcycz0y	cz0bbcc	
Greenwich	c	p0cby	bubc	Max. Time
Camden Square	c	bc	*	0·3 20h on 20th
Kensington	bcb	bc	*	Min. Time
Hampstead				<0·1 0-2h on 21st

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	44	39	Tr	Tr	4·2	*	*
Croydon	69	43	37	0·1	-	3·0	*	*
Greenwich	66	43	33	-	-	3·0	57	65
Westminster	68	44	38	—	—		63	83
Regents Park	65	45	38	-	-		52	73
Camden Square	68	45	38	-	-	*	*	69
Kensington	66	44	33	-	-		50	75
Hampstead							*	

SECRET

BRITISH SECTION

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

Wednesday 22nd September 1943

No 29889

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

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	0	WNW	2	iro	55	55	40	8	8	2	–	4-6	10	1500
	Croydon	14·7	+2	W'N	3	c/r	55	65	43	6	5	1	–	2-3	10	2000
	S. Farnborough	14·1	0	WNW	3	iro	54	65	43	8	5	2	–	1	10	2000
	Boscombe Down	14·7	-2	N	1	roro	52	85	46	7	5	2	–	2-3	10	2000
	Thorney Island	14·9	+6	NW'N	3	iro	53	75	44	7	7	7	–	9+	10	5800
	Lympne	13·7	-4	WNW	2	c/pr	56	55	42	7	1	–	7	1	10	3000
	Manston	13·3	0	N'W	2	iro	57	65	44	7	1	2	–	4-6	10	2800
2	Shoeburyness	13·5	-2	WNW	3	zo	57	55	41	6	4	1	–	2-3	10	4000
	Felixstowe	12·6	0	W'N	4	c	57	55	40	8	1	1	–	1	10	4000
	Gorleston	11·8	-2	NW'N	2	c	57	55	42	7	5	–	–	9+	9+	2500
	Mildenhall	12·4	+6	WNW	3	c	57	55	42	8	1	–	7	2-3	10	2600
	Cranwell	12·0	+2	NW'N	4	zo	55	65	42	6	2	–	6	1	9+	2500
3	Birmingham	12·7	+2	NW	2	zo	53	65	42	6	8	7	–	7-8	9+	2500
	Upper Heyford	13·6	0	WNW	3	c	53	65	43	8	1	1	–	7-8	10	2500
4	Ross-on-Wye	14·0	-4	SW'W	2	c	54	75	45	8	8	3	8	4-6	9	2500
5	Hartland Point	14·8	-2	NW	3	ir	52	85	47	8	8	–	–	9+	9+	2000
	Bristol	14·7	+2	W	1	c/pr	50	85	47	6	3	7	–	Tr	9+	1500
	Portland Bill	15·1	+8	NW	3	rr	52	85	48	8	5	–	–	10	10	2500
	Plymouth	15·9	+2	WNW	1	roro	51	97	50	6	5	2	–	9+	10	1500
	The Lizard	15·4	-4	NNW	2	roro	51	92	49	7	5	–	–	10	10	1000
	Scilly (St. Mary's)	16·3	-6	N'W	4	c/r	52	92	50	[illegible]	8	–	–	10	10	1500
	Guernsey															
6	Pembroke	15·1	-2	NW	4	bc	55	75	48	8	2	6	1	4-6	4-6	3000
7	Holyhead (Valley)	14·5	+8	NW'N	5	bc	56	65	44	9	2	–	–	4-6	4-6	2500
	Chester (Sealand)	13·3	+6	NNW	3	bc	55	65	43	8	2	–	–	4-6	4-6	2600
8	Manchester	13·1	+2	WNW	3	bc/pr	52	75	44	8	3	6	3	4-6	4-6	2000
10	Spurn Head	11·6	+10	NW'N	4	cbc	54	55	38	8	2	7	–	4-6	7-8	4400
	Catterick (Sc)	12·1	+10	WNW	4	c	52	75	43	9	8	–	–	9	9	3000
	Tynemouth	12·8	+10	N	4	bc	51	65	41	8	2	–	–	4-6	4-6	2000
11	St. Abbs Head	11·3	+16	NNW	4	bc	49	65	38	9	2	4	–	4-6	4-6	2500
	Leuchars	12·6	+18	NNW	2	cbc	53	45	35	9	8	–	–	4-6	7-8	2500
12	Renfrew (Abbots I.)	13·3	+14	WNW	2	bc	55	45	35	9	8	–	–	4-6	4-6	2800
	Eskdalemuir	12·2	+10	NW	3	bc	51	55	34	8	8	–	–	4-6	4-6	2700
	Point of Ayre	13·7	+10	N	4	b-bc	55	65	45	8	2	–	–	2-3	2-3	2500
13A	Tiree	16·5	+20	N	6	cbc	53	85	47	9	2	6	–	7-8	7-8	2500
13B	Stornoway	15·5	+16	N	4	cbc	51	55	34	9	2	–	–	7-8	7-8	2800
15	Dalwhinnie	13·5	+18	N	3	bc	47	65	36	8	8	4	–	4-6	4-6	2500
	Aberdeen	11·8	+20	NNW	4	bc/pr	46	85	43	8	2	–	–	4-6	4-6	2500
	Wick	12·4	+20	NW	5	bc	50	75	42	9	8	6	–	2-3	4-6	2000
16	Sumburgh	09·4	+22	NNW	4	pr	47	75	41	8	3	6	–	7-8	7-8	2000
17	Blacksod Point	19·5	+14	N	5	cbc	56	55	41	8	8	–	–	7-8	7-8	1500
18	Malin Head	16·6	+22	N'W	5	bc	51	65	40	8	2	–	–	4-6	4-6	1500
	Aldergrove	15·6	+18	NNW	4	pr	53	65	41	8	3	6	–	7-8	9	2000
19	Birr Castle	16·7	+8	NW	3	cbc	57	65	45	8	8	–	–	7-8	7-8	1500
20	Valentia Obsy.	19·0	+10	N'E	5	b-bc	57	65	45	8	2	–	–	2-3	2-3	2800
	Roches Point	16·4	0	N'W	4	bc	57	75	49	8	3	–	–	4-6	4-6	1500

OBSERVATIONS at 18h. G.M.T. 21st September

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)	14·2	+6	W	2	zo	54	65	43	6	5	–	4	4-6	4-6	2500	0	*
Croydon	14·8	+6	W	2	bc	52	75	44	6	5	–	5	2-3	4-6	4000	0	*
S. Farnborough	14·4	+2	W	1	bc	52	75	46	8	4	7	4	2-3	4-6	2500	0	*
Boscombe Down	15·0	+2	—	0	bc	50	85	46	8	2	7	6	2-3	4-6	2000	0	*
Thorney Island	14·0	-10	NW'W	2	bc	50	85	46	8	–	7	9	0	4-6	—	1	*
Lympne	14·2	+2	NW	2	zo	49	75	43	6	–	4	1	0	2-3	—	0	2
Manston	13·2	0	WSW	2	bc	52	65	42	7	4	3	8	4-6	4-6	4000	1	*
Shoeburyness	13·9	0	W'N	1	m	54	75	46	4	5	3	–	4-6	7-8	5700	0	*
Felixstowe	13·2	+6	NW'W	2	c	51	55	34	7	5	–	–	10	10	4000	0	3
Gorleston	12·7	+8	NNW	2	bc	54	65	42	7	2	–	8	4-6	4-6	2500	0	2
Mildenhall	13·2	+6	NE'N	1	zo	51	85	47	6	4	6	–	4-6	9+	3000	1	*
Cranwell	14·2	+22	ENE	2	c-bc	52	55	34	7	8	–	2	7-8	7-8	2000	0	*
Birmingham	14·7	+6	NNW	3	zo	51	65	40	6	4	–	–	2-3	2-3	4000	1	*
Upper Heyford	14·3	+6	W	2	bc	48	92	46	8	2	7	–	2-3	4-6	4000	2	*
Ross-on-Wye	14·5	0	NW	1	b	52	75	45	8	8	–	–	1	1	3000	1	*
Hartland Point	15·0	+8	N	3	c-bc/pr	52	85	46	8	8	–	–	7-8	7-8	1500	1	3
Bristol	14·9	+6	N	1	c-bcjp	51	85	45	6	3	7	3	1	7-8	2500	1	*
Portland Bill	14·7	-2	NW	3	c	52	85	48	8	5	–	–	10	10	4000	1	3
Plymouth	16·3	+2	ENE	1	c-bc/pr	51	85	47	8	8	3	–	7-8	7-8	2500	1	1
The Lizard	15·2	+2	NNW	3	bc/pr	52	85	48	8	8	–	–	4-6	4-6	1500	1	3
Scilly (St. Mary's)	15·7	-2	N	5	c-bc	53	75	45	8	8	6	–	4-6	7-8	1200	1	3
Guernsey																	
Pembroke	17·2	+20	NNE	3	bc	53	85	48	8	1	6	–	2-3	4-6	3000	0	2
Holyhead (Valley)	16·3	+8	NNW	3	bc	52	65	41	9	2	6	1	4-6	4-6	3000	1	3
Chester (Sealand)	15·2	+12	NNW	2	bcjp	51	75	43	8	3	–	3	4-6	4-6	2500	0	*
Manchester	14·6	+14	NW	3	c-bc	53	65	42	7	2	6	–	4-6	7-8	2500	1	*
Spurn Head	13·8	+10	N'W	5	bc	52	65	41	8	2	4	–	2-3	4-6	4000	0	4
Catterick (Sc)	14·8	+14	—	0	bc	48	85	42	7	–	3	–	0	4-6	—	0	*
Tynemouth	15·0	+8	NNW	4	b-bc	51	65	37	8	2	4	1	2-3	2-3	4000	1	3
St. Abbs Head	13·7	+12	N	5	bc	49	75	40	9	2	5	–	2-3	4-6	4000	0	5
Leuchars	15·6	+16	NNW	3	bc	49	55	34	9	8	–	–	4-6	4-6	4000	0	*
Renfrew (Abbots I.)	16·2	+14	N'W	1	bc	51	75	42	9	8	7	–	4-6	4-6	2500	1	*
Eskdalemuir	15·2	+14	N'W	2	bc/pr	45	65	34	8	7	4	–	4-6	4-6	2500	1	*
Point of Ayre	15·7	+10	N'E	5	b	53	65	42	8	3	–	–	1	1	3000	0	4
Tiree	18·9	+16	N'W	4	c/pr	49	85	44	9	2	6	5	7-8	9+	2000	1	3
Stornoway	18·2	+14	NW	3	pr	45	85	40	8	8	6	9	7-8	9	1800	1	2
Dalwhinnie	17·0	+12	N	1	c-bc	42	75	34	8	5	–	–	7-8	7-8	2500	1	*
Aberdeen	14·7	+22	NNW	3	b-bc	47	65	36	9	8	–	–	2-3	2-3	4000	1	3
Wick	15·1	+14	NW'N	4	pr	44	85	40	8	9	6	5	4-6	7-8	2000	1	*
Sumburgh	12·0	+14	N'W	4	pr	45	85	39	8	3	6	–	9	9+	1500	1	3
Blacksod Point	21·2	+12	N	5	bc	53	75	46	8	8	–	6	4-6	4-6	2500	1	4
Malin Head	18·9	+14	N	5	bc	51	65	40	8	2	–	1	4-6	4-6	1500	2	4
Aldergrove	18·2	+16	NNW	4	bc	50	65	39	8	8	3	–	2-3	4-6	3000	1	*
Birr Castle	18·7	+16	NNW	2	b-bc	52	65	41	8	5	–	–	2-3	2-3	2500	1	*
Valentia Obsy.	21·4	+20	NNE	4	b	55	65	44	8	1	–	–	1	1	2500	1	4
Roches Point	18·4	+14	N	4	b	55	75	47	9	3	–	–	1	1	2500	1	3

PAST 24 HOURS.

Stations	Weather 7h.–13h. 21st (39)	Weather 13h.–18h. 21st (40)	Weather 18h 21st to 1h 22nd (41)	Weather 1h.–7h. 22nd (42)
London (Kew)	czociro	cycbcmo	bcbmow	bmox
Croydon	cczociro	czoc	bczombfw	bfwcmomx
S. Farnborough	ciro	circbc	bcbmow	bmofmxff
Boscombe Down	cciroc roro	crorcbc	bcbbw.	bwbmow
Thorney Island	cwc	crcw	bmowb	bmobw
Lympne	ccoro	cmoirmoc	bmow	bmow
Manston	bcmoc	cirobc	bcbczo	cbczo
Shoeburyness	cmbcmo	cm	cmc	cbcwmo
Felixstowe	bcc	cybcy	cybyb	bbcb
Gorleston	cy	bc	bcw	cprobc
Mildenhall	cmobccy	cycproc	cmobcmob	bbmo
Cranwell	ccmo bczo	bczycy	bccmo	bmobcmobmo
Birmingham	cz	cbz	bm	bmf
Upper Heyford	c	cpropR	bcbbmo	bmbmob
Ross-on-Wye	ccrrc	Rcrbc	c	bmow
Hartland Point	cir	irchrc	cbc	bc
Bristol	cmoropR	cmocpro bc	cmojpobmow	bmox
Portland Bill	corr	c	bcbc	bbf
Plymouth	cmororo	cpro	b	b
The Lizard	cprrr	cprbc	probc	bc
Scilly (St. Mary's)	ciroc	cp	crcpo	q bcpoc
Guernsey				
Pembroke	cbc	bc	bc	bcc
Holyhead (Valley)	procbc	bccpro	bcb	bbc
Chester (Sealand)	cproPRbc	bccpro	brzomo	b,cmo
Manchester	cprbpro	bcbyb	probmow	bmoffwx
Spurn Head	c	b	bc	bc
Catterick (Sc)	cbcc	ccprcbc	b	b
Tynemouth	bbc	bc	bc	bc
St. Abbs Head	bcc	bcprbc	bc	bcc
Leuchars	bccy	cyprobcy	bcyb	bccbcc
Renfrew (Abbots I.)	bbcbcy	bcybc	bbc	bcwc
Eskdalemuir	bbc	bcprobc	bcprb	bbcx
Point of Ayre	prcb	b	b	b
Tiree	bcwcpro	bcproc	cbc	bcc
Stornoway	bcjpbc	bccjpcpro	cprobcc	cbcc
Dalwhinnie	cprobc	bcprc	*	cpro
Aberdeen	bcprbc	bcprobcb	bw	bwbcc
Wick	bc	bccprocpro	bcc	cpro
Sumburgh	cbc proc	bcpro	bc	bcproc
Blacksod Point	pr	bc	c	c
Malin Head	pr	pr	pr	bc
Aldergrove	bccpro	cprocbc	cbcprobc	bcc
Birr Castle	pr	bc	*	c
Valentia Obsy.	pr	pr	pr	bc
Roches Point	pr	pr	b	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 22nd September 1943

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Moderate northerly winds backing towards west; mainly fine today, cloud increasing tomorrow with a chance of slight rain locally; cold with ground frost locally at night, becoming less cold.
5 S.W. England; 6 South Wales	Moderate northeast winds backing northwest; fair; cold; ground frost locally at night.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	Winds westerly increasing fresh to strong locally on West coast later; fair today; some occasional slight rain later; becoming milder slowly.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Fresh to strong westerly winds, gale at times in the North; becoming cloudy to dull, with occasional rain, slight at first then more general; becoming milder.
16 Orkneys and Shetlands	12 - 15
17 N. W. Ireland; 18 N. E. Ireland	Wind west to northwest increasing fresh to strong locally on coast; fair early, then some occasional drizzle or light rain; becoming milder.
19 S. E. Ireland; 20 S. W. Ireland	Moderate northwest winds; mainly fair rather cold.

GENERAL INFERENCE

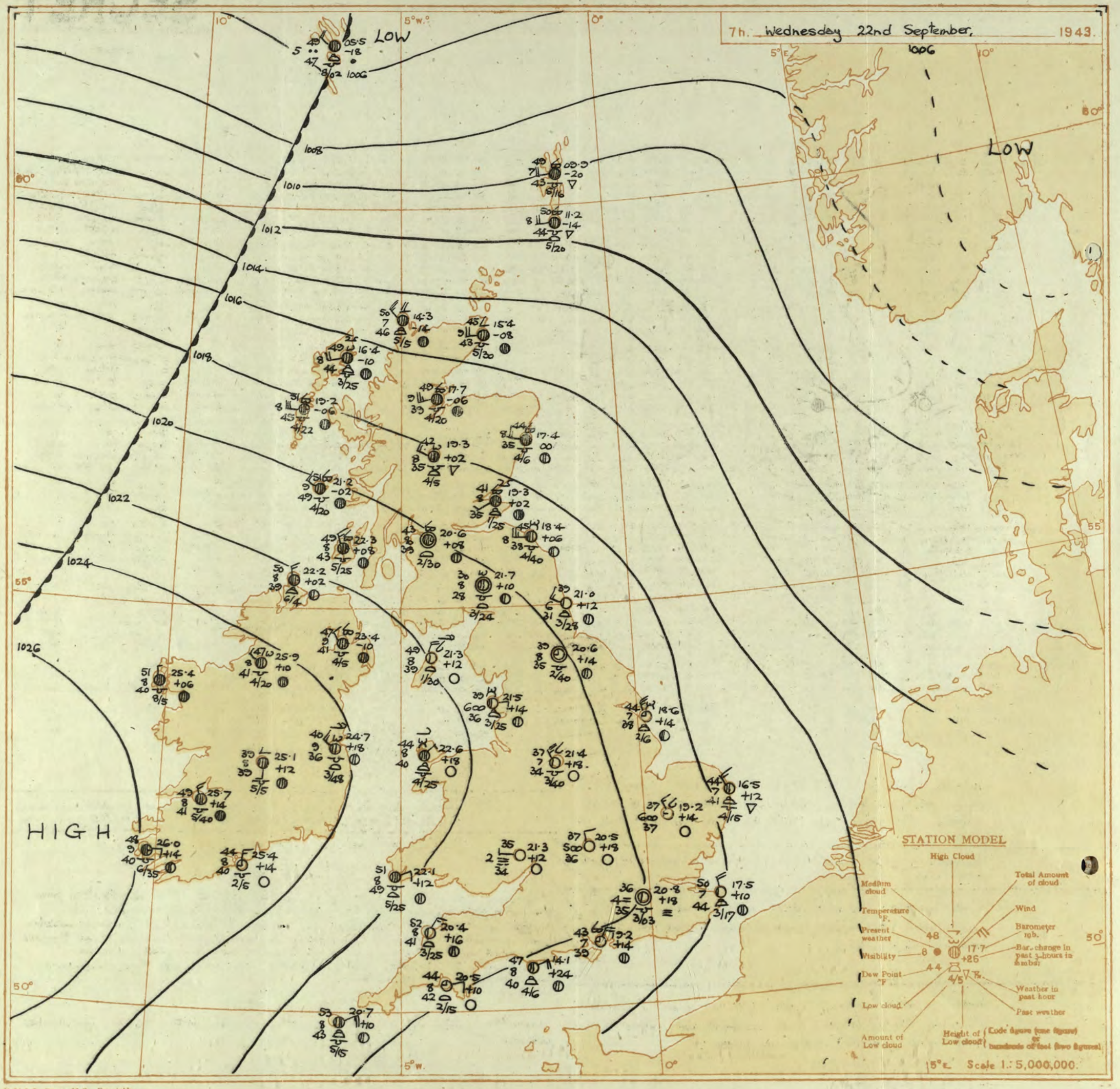
A ridge of high pressure extending to western districts of the British Isles from the anticyclone centred north of the Azores, is moving south. A complex and deepening depression in the Icelandic area will move East, causing westerly gales in northern Scotland; weather will be mainly fair over most of England and Wales, but occasional rain will spread across northern districts; conditions will become much milder in the North, and later temperature will rise also in the South.

FURTHER OUTLOOK

Unsettled with strong winds at times in the North; mainly dry 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



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).

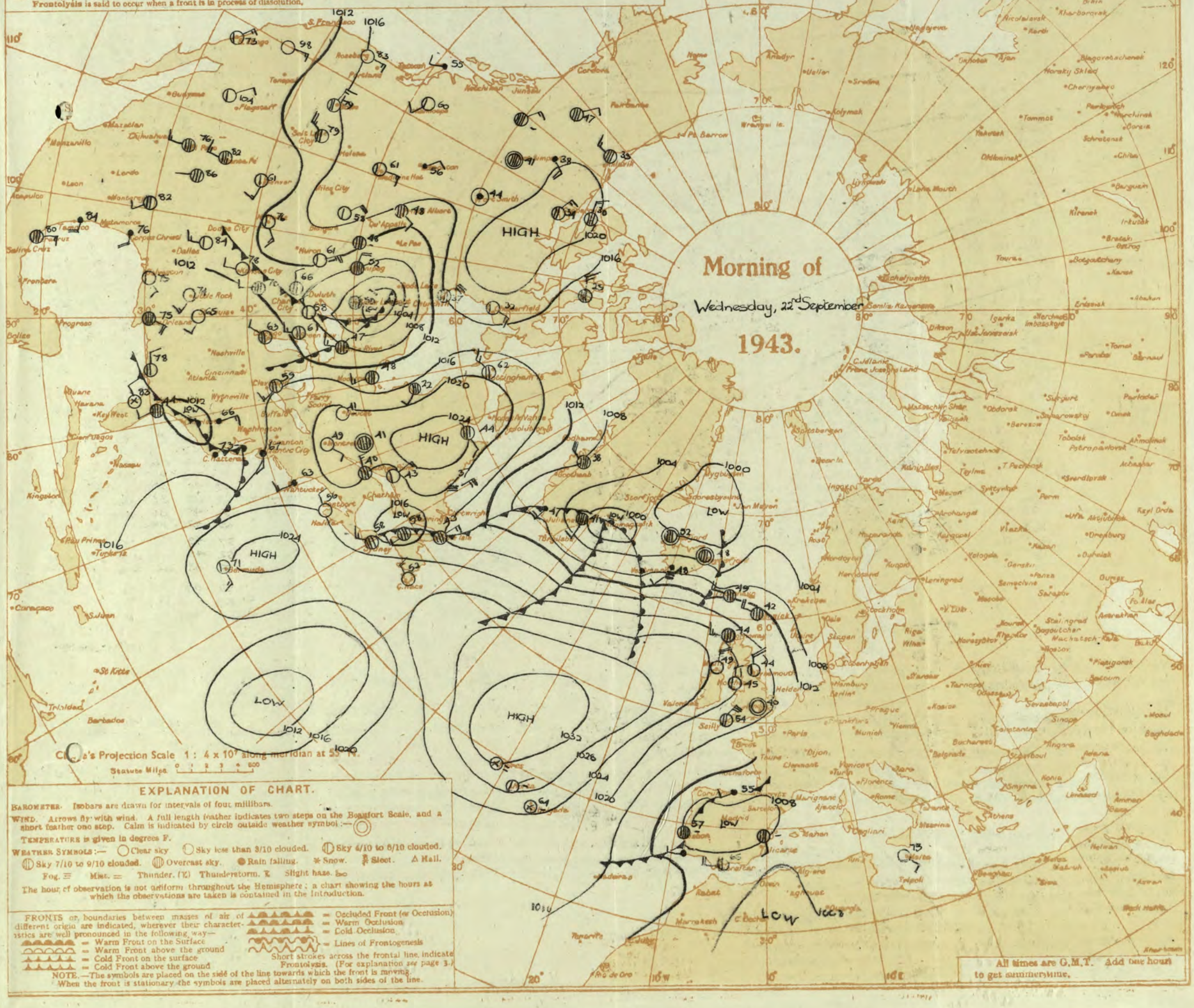
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 summertime.

Page 4.

BRITISH SECTION

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

Wednesday 22nd September 1943

No 29889

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Amount Low 0–10 (13)	Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	45	*	*	*	*	*	*	*	*	*
	Croydon	290	17·7	+14	–	0	bf+	40	97	39	3	–	–	–	0	0	–
	S. Farnborough	226	17·2	+14	–	0	z₀	40	97	39	6	–	–	–	0	0	–
	Boscombe Down	417	17·6	+12	N	2	b	41	97	40	7	–	–	–	0	0	–
	Thorney Island	10	16·1	+6	NE	3	b	44	92	42	7	–	3	1	0	Tr	–
	Lympne	283	16·0	+6	N	3	z₀	45	92	43	6	–	–	1	0	Tr	–
	Manston	154	15·3	+10	N	3	z₀	51	65	41	6	–	–	2	0	9	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	16·0	+10	NW'W	2	b	47	75	40	7	–	7	–	0	1	–
	Gorleston	5	14·5	+10	NW'N	2	bc	46	92	44	7	8	–	–	4-6	4-6	1500
	Mildenhall	15	16·8	+10	NW'N	3	b	40	92	39	7	–	–	–	0	0	–
	Cranwell	203	17·5	+12	N	1	b	43	85	40	6	–	–	–	0	0	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·6	+4	NNW	2	z₀	41	92	39	5	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·8	+10	NE	4	b-bc	52	65	42	8	1	–	–	2-3	2-3	2500
	Bristol	209	18·6	+12	–	0	z₀	40	97	39	6	–	–	–	0	0	–
	Portland Bill	32	16·0	+10	NW	3	bc	49	92	47	8	5	–	–	4-6	4-6	4000
	Plymouth	86	18·0	+10	ENE	2	b	46	92	44	8	–	–	–	0	0	–
	The Lizard	240	18·0	+8	NE	3	b-bc	47	85	43	8	4	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	18·5	+6	NNE	6	bc/pr	54	75	44	8	8	6	–	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	19·3	+4	NNE	3	b-bc	50	85	46	8	2	–	–	2-3	2-3	2500
7	Holyhead (Valley)	32	20·0	+14	N	1	b-bc	45	85	40	8	2	–	–	2-3	2-3	2500
	Chester (Sealand)	16	18·8	+12	–	0	z₀	43	92	41	6	5	3	–	Tr	4-6	3500
8	Manchester	230	18·8	+14	–	0	z₀	38	92	36	5	–	–	–	0	0	–
10	Spurn Head	29	16·4	+10	NW'N	4	bc	48	75	41	7	1	6	–	2-3	4-6	4000
	Catterick (Sc)	192	18·3	+10	NW	1	bc	39	92	37	8	–	3	–	0	Tr	–
	Tynemouth	108	17·8	+12	NNW	4	b-bc	44	75	37	7	2	–	–	2-3	2-3	2500
11	St. Abbs Head	280	17·0	+12	N	4	bc	46	65	36	8	1	–	–	4-6	4-6	4000
	Leuchars	36	18·1	+2	WNW	2	b	41	75	33	8	–	4	–	0	Tr	–
12	Renfrew (Abbots I.)	19	19·6	+10	–	0	bc	38	92	36	8	5	4	–	2-3	4-6	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	19·2	+16	N'E	5	b	50	75	41	8	4	–	–	Tr	Tr	3000
13A	Tiree	44	21·3	+8	N'W	3	b-bc	45	92	43	9	1	–	–	2-3	2-3	2000
13B	Stornoway	12	18·8	-2	WSW	3	c-bc	44	85	40	7	5	7	–	4-6	7-8	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	16·9	+4	WNW	4	b	40	92	38	8	5	–	–	1	1	2000
	Wick	114	16·6	+2	NW	2	c	40	92	39	8	5	7	–	7-8	9	1300
16	Sumburgh	19	13·3	+4	NW	3	c-bc	42	75	35	8	3	5	3	4-6	7-8	2000
17	Blacksod Point	18	24·6	+10	N	4	c	52	65	41	8	5	–	–	9	9	2500
18	Malin Head	84	21·5	+6	N	5	bc	49	75	41	8	2	–	–	4-6	4-6	1500
	Aldergrove	268	21·7	+8	NW'N	1	bc	43	92	40	8	5	–	–	4-6	4-6	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	23·8	+6?	NE	3	bc	50	85	46	8	2	–	–	4-6	4-6	2400
	Roches Point	22	22·7	+10	N	3	b	50	85	46	8	5	–	–	1	1	2500

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

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)	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)	20·0	+16	N	2	z₀	44	75	37	6	5	–	–	Tr	Tr	2500	0	*
Croydon	20·8	+18	–	0	m	36	97	35	4	5	–	–	2-3	2-3	800	0	*
S. Farnborough	20·5	+16	–	0	bf	33	92	32	2	–	–	–	0	0	–	0	*
Boscombe Down	20·7	+18	–	0	z₀	38	92	37	6	–	–	–	0	0	–	0	*
Thorney Island	19·2	+14	NNE	4	b	43	85	39	7	–	7	–	0	1	–	0	*
Lympne	18·4	+14	N'E	3	b-bc	44	85	41	7	2	5	–	Tr	2-3	3000	0	2
Manston	17·5	+10	N'W	4	b-bc	50	75	45	7	2	–	–	2-3	2-3	1700	0	*
Shoeburyness	19·3	+12	NNW	2	z₀	43	85	39	6	–	4	–	0	1	–	1	*
Felixstowe	18·1	+10	NW	3	b	43	85	40	7	–	–	–	0	0	–	0	3
Gorleston	16·5	+12	NW	3	bc	44	85	41	7	8	–	–	4-6	4-6	1500	1	2
Mildenhall	19·2	+14	NW	3	z₀	37	97	36	6	–	4	–	0	Tr	–	0	*
Cranwell	12·0	+14	NW'W	2	z₀	41	85	37	6	–	–	–	0	0	–	1	*
Birmingham	21·1	+10	NW	1	bf–	40	92	38	2	–	–	–	0	0	–	1	*
Upper Heyford	20·5	+18	N'W	2	z₀	37	97	36	5	–	–	–	0	0	–	0	*
Ross-on-Wye	21·3	+12	W	1	if	35	97	34	2	–	–	–	0	0	–	1	*
Hartland Point	20·4	+16	NNE	3	b-bc	52	65	41	8	1	–	–	2-3	2-3	2500	1	4
Bristol	21·5	+14	–	0	m	40	97	39	4	–	–	–	0	0	–	1	*
Portland Bill	19·1	+24	NE	4	bc	47	75	40	8	2	–	–	4-6	4-6	4000	1	3
Plymouth	20·5	+10	ENE	2	b	44	97	42	8	1	–	–	1	1	1500	1	1
The Lizard	20·3	+10	NNE	3	bc	46	85	42	8	4	–	–	4-6	4-6	3000	0	3
Scilly (St. Mary's)	20·7	+10	NE	5	c-bc	53	75	43	8	8	6	–	7-8	7-8	1500	1	5
Guernsey																	
Pembroke	22·1	+12	NE	2	c-bc	51	92	49	8	7	–	–	7-8	7-8	2500	0	2
Holyhead (Valley)	22·6	+18	NE	1	c-bc	44	85	40	8	8	6	1	4-6	7-8	2500	1	1
Chester (Sealand)	21·4	+18	–	0	m	39	92	37	4	8	–	–	9	9	2500	0	*
Manchester	21·5	+18	–	0	cf	37	97	35	3	5	–	–	9	9	3000	1	*
Spurn Head	18·6	+14	NW'N	5	b	44	75	38	7	2	6	–	1	1	4000	0	4
Catterick (Sc)	20·6	+14	–	0	b	39	85	35	8	5	–	–	1	1	4000	0	*
Tynemouth	21·0	+12	WNW	3	b-bc	39	75	31	6	2	–	–	2-3	2-3	2800	1	3
St. Abbs Head	18·4	+6	W	5	c-bc	45	75	38	8	5	6	–	4-6	7-8	4000	0	4
Leuchars	19·3	+2	SW	1	c	41	75	35	8	2	7	7	Tr	9+	2500	0	*
Renfrew (Abbots I.)	20·6	+8	–	0	c	43	85	39	8	1	7	–	1	9+	3000	1	*
Eskdalemuir	21·7	+10	–	0	bc	30	85	28	8	7	3	–	2-3	4-6	2400	1	*
Point of Ayre	21·3	+12	N'E	4	b-bc	49	65	39	8	1	4	2	Tr	2-3	3000	0	4
Tiree	21·2	-2	WNW	3	c	51	92	49	9	5	7	–	4-6	9	2000	1	2
Stornoway	16·4	-10	WSW	4	c	49	85	44	8	8	3	7	2-3	10	2500	0	2
Dalwhinnie	19·3	+2	WNW	3	c	42	75	35	8	5	2	–	4-6	10	2500	0	*
Aberdeen †	17·4	0	WNW	3	c	44	75	35	8	5	7	–	4-6	10	4000	1	2
Wick	15·4	-8	W'S	4	c	45	92	44	9	5	1	–	7-8	10	3000	1	*
Sumburgh	11·2	-14	W'S	4	c	50	75	44	8	7	7	–	7-8	10	2000	1	3
Blacksod Point	25·4	+6	N'W	2	c	51	65	40	8	5	–	–	10	10	2500	1	2
Malin Head	22·2	+2	NNW	3	c	50	65	39	8	2	–	–	9	9	1500	2	4
Aldergrove	23·4	+10	NW	2	c	47	85	41	9	5	7	–	4-6	9+	2500	1	*
Birr Castle	25·1	+12	S	1	c	39	97	39	8	5	1	–	7-8	10	2500	1	*
Valentia Obsy.	26·0	+14	E'N	2	c	48	75	40	9	5	–	–	9	9	3500	1	2
Roches Point	25·4	+14	N	3	b	44	85	40	8	5	–	–	1	1	2500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 21st Hrs. (38)
London (Kew)	56	41	24	Tr	–	0·0
Croydon	55	35	29	Tr	–	0·5
S. Farnborough	55	32	24	Tr	–	1·2
Boscombe Down	53	36	32	0·6	Tr	1·1
Thorney Island	56	39	33	Tr	Tr	*
Lympne	57	42	33	1	–	0·9
Manston	55	47	43	Tr	–	3·1
Shoeburyness	59	39	35	–	–	[illegible]·1
Felixstowe	59	42	39	–	–	5·1
Gorleston	57	43	41	–	0·2	6·8
Mildenhall	58	34	32	0·6	–	3·8
Cranwell	58	38	35	–	–	4·9
Birmingham	55	40	22	–	–	2·6
Upper Heyford	54	35	32	3	–	*
Ross-on-Wye	54	35	29	5	–	2·1
Hartland Point	55	48	46	5	–	1·9
Bristol	56	38	26	1	Tr	2·6
Portland Bill	58	46	*	3	–	*
Plymouth	55	42	35	3	Tr	0·5
The Lizard	56	45	*	0·5	0·5	0·8
Scilly (St. Mary's)	56	52	*	3	0·1	2·0
Guernsey						
Pembroke	58	46	*	–	Tr	5·7
Holyhead (Valley)	57	43	35	–	–	*
Chester (Sealand)	58	34	28	3	–	5·7
Manchester	56	33	25	1	Tr	*
Spurn Head	56	42	*	–	–	9·8
Catterick (Sc)	55	36	30	Tr	–	8·0
Tynemouth	53	39	37	–		*
St. Abbs Head	49	43	*	Tr	–	*
Leuchars	56	37	30	Tr	–	8·5
Renfrew (Abbots I.)	56	36	28	–	Tr	
Eskdalemuir	53	27	17	Tr	Tr	7·1
Point of Ayre	56	48	*	1	–	8·1
Tiree	54	44	39	2	–	8·0
Stornoway	51	40	34	0·1	Tr	8·2
Dalwhinnie	49	41	35	1	0·5	5·2
Aberdeen †	52	39	33	0·3	–	8·3
Wick	51	45	36	0·3	1	*
Sumburgh	49	42	34	1	1	6·7
Blacksod Point	57	49	*	0·2	–	*
Malin Head	52	40		0·4	Tr	6·9
Aldergrove	55	38	33	0·4	0·1	8·4
Birr Castle	57	35	31	4	–	5·4
Valentia Obsy.	58	48	43	1	Tr	8·1
Roches Point	58	44	*	1	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 21st September, 18h. G.M.T.; 01h. G.M.T. 22nd September, 07h. G.M.T.

III C_L C_M (13h)	wwVhN$_h$	DDFWN	C_L C_M (18h)	wwVhN$_h$	DDFWN	C_L C_M (01h)	wwVhN$_h$	DDFWN	C_L C_M (07h)	wwVhN$_h$	DDFWN
100 3-	25855	31585	8-	25855	28585	27	01743	28414	87	02855	24428
1124	02864	32424	-4	02854	32426	83	02854	28487	22	02755	28528
203									5-	02848	22428
206 36	25945	28384	3-	25954	30484	53	02854	24285	57	02954	22528
210 26	02956	30486	26	02954	29528	23	01853	26414	52	02952	21428
219 36	01854	02848	36	10954	30485	53	02853	38425	57	02854	24626
280 1-	01965	31285	40	01963	28414	50	01852	31312	57	02965	20128
245 36	10953	30514	86	01952	26283	04	01890	26302	57	02961	22226
260 20	02755	28225	20	01763	28323	5-	05664	28215	5-	05662	20212
278											
279 86	02965	23415	43	01963	30284	53	01863	04214	53	02761	30216
285 20	01855	32415							13	01861	32213
288 20	05655	25315	04	17590	01312	00	00790	23110	04	05690	25111
57 10	01864	26324	46	01864	31384	57	01763	28114	53	02854	28125
30 30	01854	28414	73	05663	30414	00	00790	02210			
32 26	02764	30325	86	01854	02384	00	05690	28210	50	05563	28113
290						50	25753	26483	50	10744	26464
20	01964	30414	44	01863	30113	00	00790	28210	50	01851	30112
310 --	01644	26314							--	01634	26214
614 26	05653	22224	86	05645	00026	00	05690	32100	00	08490	28100

III C_L C_M (13h)	wwVhN$_h$	DDFWN	C_L C_M (18h)	wwVhN$_h$	DDFWN	C_L C_M (01h)	wwVhN$_h$	DDFWN	C_L C_M (07h)	wwVhN$_h$	DDFWN
38 20	01864	30484	24	01964	32384	24	01852	22124	40	01863	04103
334 --	02743	26314									
340 86	25853	28284	86	01861	32212				53	41454	28145
136 16	02753	27427	86	01863	32212	20	01852	29312	26	01762	29302
33 28	02754	28316	20	01752	28312				53	01753	32314
850 27	05665	22327	37	81745	28125	00	05690	02200	00	05590	28100
36 27	02764	30227	84	02844	32185	00	00690	00010	04	05690	32202
379			13	01861	24383	00	05690	02310	00	05690	01300
39 11	05654	24328	27	08663	24124	00	05590	26200	00	05690	28100
38 72	22854	16168	27	22755	29166	00	05690	02300	00	05690	30240
438			53	01763	28314	00	00690	02400	14	02762	02513
4 02	61652	30268	07	01890	23164	00	00790	04300	04	01790	32301
52	22745	30167	3-	02955	01325	20	01863	02213	16	01953	05214

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 22nd September
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	cz₀cir₀	cycbcm₀	bcbmowx
Croydon	ccz₀cir₀	cz₀c	bfwcmbmx
Greenwich	c⊕yr₀	cyb	b
Camden Square	c	c	*
Kensington	bc	bc	*
Hampstead	bc	bc	b

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kensington 24 hours ended 7h. Max. 0·4, Time 19-20h 21st. Min. 0·1, Time 9-17h 21st.

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	56	41	24	Tr	–	0·0	*	*
Croydon	55	35	29	Tr	–	0·5	*	*
Greenwich	56	41	27	Tr	–	1·2	57	64
Westminster	56	45	33	–			76	73
Regents Park	56	40	31	–	–		57	60
Camden Square	57	43	33	–	–	*	*	61
Kensington	57	43	29	–	–		78	61
Hampstead	55	40	34	–	–		*	67

SECRET

Page 1 BRITISH SECTION

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

Thursday 23rd September, 1943

No. 29890.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	22.0	+6	NNE	3	b	55	45	32	7	1	–	–	1	1	2500
	Croydon	22.2	+10	N	3	b-bc	56	45	35	7	4	–	–	2-3	2-3	5000
	S. Farnborough	21.8	+4	N'E	3	b-bc	57	45	37	7	4	–	–	2-3	2-3	3500
	Boscombe Down	22.2	+6	N	2	bc	55	55	36	7	1	–	–	4-6	4-6	4000
	Thorney Island	21.5	+4	NE'N	3	b	58	45	35	8	4	–	–	1	1	2500
	Lympne	21.0	+14	NNE	4	b-bc	56	45	33	8	1	–	–	2-3	2-3	3000
	Manston	20.0	+6	NNE	5	b-bc	56	55	39	8	2	–	–	2-3	2-3	2000
2	Shoeburyness	21.5	+8	N'W	4	b	57	45	34	7	–	–	–	0	0	–
	Felixstowe	20.8	+10	N'W	4	b	58	35	34	8	1	–	–	1	1	4000
	Gorleston	19.8	+14	N'W	5	bcq	54	65	44	7	2	–	–	4-6	4-6	2500
	Mildenhall	21.6	+6	NNW	3	bc	55	65	43	8	1	–	–	4-6	4-6	4000
	Cranwell	21.8	-2	NNW	3	b	55	45	36	8	1	–	–	Tr	Tr	4000
3	Birmingham	23.6	0	NNW	2	Zo	55	55	40	6	1	–	–	Tr	Tr	2500
	Upper Heyford	21.8	0	N	3	Zo	54	55	37	6	1	–	–	2-3	2-3	3000
4	Ross-on-Wye	22.3	0	N'W	2	bc	57	65	41	8	1	–	8	4-6	4-6	4000
5	Hartland Point	23.4	+10	NE	3	b-bc	54	65	40	8	1	–	–	2-3	2-3	3000
	Bristol	22.7	+2	N	3	c-bc	56	55	39	7	1	–	–	7-8	7-8	2500
	Portland Bill	21.6	+8	N	4	c-bc	57	75	51	8	2	–	–	7-8	7-8	4000
	Plymouth	22.9	+6	NE	3	c-bc	58	65	46	8	2	–	–	7-8	7-8	3000
	The Lizard	22.7	+10	NNW	2	bc	59	55	42	8	7	–	–	4-6	4-6	3500
	Scilly (St. Mary's)	23.8	+10	NNE	5	c-bc	58	55	43	8	8	8	–	4-6	7-8	1500
	Guernsey															
6	Pembroke	24.2	-2	NNE	4	bc	57	75	49	8	1	6	2	4-6	4-6	2500
7	Holyhead (Valley)	24.1	+14	NNW	3	c	56	65	43	9	8	6	–	7-8	9	3000
	Chester (Sealand)	23.1	+2	NW'N	3	bc	55	92	52	8	1	4	1	4-6	4-6	3500
8	Manchester	22.4	+2	NWW	4	Zo	54	55	40	6	1	–	–	1	2-3	3000
10	Spurn Head	21.5	+8	NW	3	b-bc	54	45	34	8	1	3	–	2-3	2-3	4000
	Catterick (Sc)	21.1	-6	W	3	b-bc	55	65	43	9	–	–	8	0	2-3	–
	Tynemouth	21.4	-4	W	3	b-bc	55	65	46	8	–	4	–	0	2-3	–
11	St. Abbs Head	17.9	-12	W	4	c-bc	53	65	40	7	5	3	–	4-6	7-8	3500
	Leuchars	18.4	-10	W	4	c	54	65	41	8	5	7	–	2-3	9	5000
12	Renfrew (Abbots I.)	20.8	-8	WSW	4	c	56	65	46	8	8	4	8	4-6	9	2500
	Eskdalemuir	18.8	-10	WNW	3	c-bc	52	65	40	8	1	4	–	1	7-8	2700
	Point of Ayre	22.6	-2	NW	4	c-bc	57	75	47	8	8	4	8	4-6	7-8	4000
13A	Tiree	20.3	-6	W'S	4	iro	54	97	53	8	5	2	–	4-6	10	2000
13B	Stornoway	14.1	-12	WSW	6	iro	53	85	49	7	6	2	–	4-6	10	1200
15	Dalwhinnie	17.0	-6	WSW	4	c	50	65	37	8	5	1	–	2-3	10	2500
	Aberdeen	16.5	-8	WSW	3	c	55	55	40	8	–	7	–	0	10	–
	Wick	13.8	-8	WNW	4	c-bc	56	75	46	8	5	7	–	7-8	7-8	4000
16	Sumburgh	08.4	-14	WSW	6	c	53	85	49	8	2	3	6	2-3	10	2500
17	Blacksod Point	25.9	-4	W	4	c-bc	57	65	45	9	8	3	6	4-6	7-8	2500
18	Malin Head	22.1	-6	W'N	4	pr	54	75	47	8	8	–	–	9+	9+	1500
	Aldergrove	23.5	-6	W	3	c	53	65	44	8	5	7	6	4-6	9	2500
19	Birr Castle	25.3	-2	N	2	c	57	55	42	8	5	–	5	2-3	7-8	2500
20	Valentia Obsy.	27.6	+2	N'W	3	c	55	65	43	9	5	–	–	9+	9+	4000
	Roches Point	26.6	+4	N	3	bc	56	65	44	8	1	–	3	4-6	4-6	4000

OBSERVATIONS at 18h. G.M.T. 22nd September

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Force 0–12 (19)	Weather (20)	Temp. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	22.6	+4	NNE	2	Zo	54	45	32	6	-	-	-	0	0	-	0	•
Croydon	23.0	+6	NE	1	bf+	53	55	37	3	-	-	1	0	Tr	-	0	•
S. Farnborough	22.9	+6	NNW	1	Zo	54	55	39	6	-	-	-	0	0	-	0	•
Boscombe Down	23.0	+8	–	0	Zo	52	75	43	6	-	-	-	0	0	-	0	•
Thorney Island	22.5	+10	N'W	2	fg	52	65	39	7	-	-	-	0	0	-	0	•
Lympne	22.1	+6	N	2	b	50	65	38	8	5	-	-	1	1	3000	0	§
Manston	21.9	+8	NNE	4	b	52	65	45	8	1	-	-	1	1	2500	0	•
Shoeburyness	22.5	+10	N'W	1	b-bc	52	65	41	8	1	-	-	2-3	2-3	4000	0	•
Felixstowe	22.1	+6	NNW	2	b	53	55	40	8	1	-	-	1	1	4000	0	3
Gorleston	21.4	+12	N'W	2	b-bc	53	65	42	7	2	-	-	2-3	2-3	2500	0	2
Mildenhall	22.0	+4	–	0	b	53	75	45	8	-	4	-	0	Tr	-	0	•
Cranwell	22.0	+4	–	0	b	50	65	39	7	-	-	-	0	0	-	0	•
Birmingham	23.5	+6	NW	2	Zo	52	55	37	6	-	-	1	0	1	-	1	•
Upper Heyford	22.6	+6	NNW	1	Zo	51	65	40	6	-	-	1	0	Tr	-	0	•
Ross-on-Wye	23.2	+6	N	2	b	55	65	42	8	-	-	1	0	1	-	1	•
Hartland Point	24.1	-6	N	3	bc	54	65	42	8	1	4	5	2-3	4-6	2500	1	4
Bristol	23.5	+8	NW	2	b	52	75	44	7	-	6	1	0	1	-	1	•
Portland Bill	22.7	+8	N	3	c-bc	54	75	48	8	2	-	-	7-8	7-8	4000	1	3
Plymouth	23.8	+8	N	3	b	55	75	47	8	1	-	5	Tr	1	3000	1	2
The Lizard	23.6	+2	N	2	bc	54	65	42	8	4	4	-	4-6	4-6	3000	0	4
Scilly (St. Mary's)	24.5	+4	NNE	5	c-bc	54	75	45	8	8	6	3	4-6	7-8	1500	1	4
Guernsey																	
Pembroke	25.3	+4	N	3	bc	51	85	47	8	2	7	1	2-3	4-6	3000	0	2
Holyhead (Valley)	24.2	0	W'S	1	bc	54	65	43	9	4	4	4	Tr	4-6	3000	1	•
Chester (Sealand)	23.2	+2	NNW	3	c	52	75	43	9	4	4	5	4-6	9	3000	0	•
Manchester	22.8	+6	WNW	3	bc	51	75	44	8	4	3	5	4-6	4-6	3000	0	•
Spurn Head	21.4	0	W	3	b-bc	55	45	35	8	7	-	-	2-3	2-3	4000	0	3
Catterick (Sc)	20.6	0	SW	2	bc	52	75	45	8	-	4	8	0	4-6	-	0	•
Tynemouth	20.3	-4	W	4	Zo	50	65	43	6	2	4	1	2-3	4-6	2500	1	3
St. Abbs Head	16.0	-8	SW	4	c	53	65	42	8	5	4	–	7-8	9	3500	0	4
Leuchars	15.5	-18	WSW	5	iro	54	65	41	8	5	7	8	4-6	9+	4000	0	•
Renfrew (Abbots I.)	18.4	-16	WSW	5	iro	53	85	48	7	5	7	-	7-8	10	1600	1	•
Eskdalemuir	19.7	-2	SW	3	c-bc	51	65	41	8	7	4	-	4-6	7-8	2500	1	•
Point of Ayre	22.0	-4	NW'W	4	c	55	75	46	8	4	7	-	Tr	9+	3000	0	3
Tiree	17.7	-10	W	7	dd	53	97	53	4	5	-	-	10	10	400	1	5
Stornoway	10.5	-10	WSW	6	dodo	55	97	54	5	6	2	-	9+	10	600	1	4
Dalwhinnie	14.0	-18	WSW	3	c	49	85	44	8	5	-	-	10	10	1500	1	•
Aberdeen	13.6	-18	WSW	2	c	55	55	40	7	5	7	-	1	10	7200	1	1
Wick	09.2	-32	SW	4	roro	51	97	51	8	5	2	-	7-8	10	1500	1	•
Sumburgh	03.6	-34	WSW	7	rr	52	97	52	6	5	2	-	9	10	500	1	4
Blacksod Point	24.7	-4	W	5	c	55	85	51	8	5	-	-	10	10	2500	1	4
Malin Head	20.2	-10	W'N	5	ido	53	85	45	8	5	2	-	4-6	10	1500	2	4
Aldergrove	22.5	-4	SWW	4	c/d	53	75	46	8	5	7	-	2-3	10	2500	1	•
Birr Castle	24.9	0	NNW	2	c	55	75	47	8	5	1	-	7-8	10	2500	1	•
Valentia Obsy.	27.6	+2	NNW	3	b-bc	55	65	43	9	5	3	3	2-3	2-3	2500	1	2
Roches Point	26.4	0	NNW	3	c-bc	56	75	48	8	5	3	5	1	7-8	2500	1	3

PAST 24 HOURS.

Stations	Weather 7h.–13h. 22nd (39)	13h.–18h. 22nd (40)	18h 22nd – 1h 23rd (41)	1h.–7h. 23rd (42)
London (Kew)	bzobcby	bzoy	by mow	bbcmx
Croydon	bzobbcby	bybmoy	bmbf	bfbmbcmow
S. Farnborough	bybcy	bcbyZo	bmow	bmowxbcm
Boscombe Down	bmobbybcy	bcybZo	bzommow	bmowbmobcm
Thorney Island	bwb	by	bmo fg	bmo
Lympne	bbc	ocb	bzo	bwbc
Manston	bc	bcby	bbw	wmo
Shoeburyness	bcmob	b ybc		bcmw
Felixstowe	bcbmoby	bybcy by	b	bmobcmo
Gorleston	bcprog	bc	b	bbc
Mildenhall	bmobc	bcbcyby	bmo	bmo
Cranwell	bby	byb	bmo	cmo
Birmingham	fbz	bz	bz	bc
Upper Heyford	bmow bzo	bzoy	bzobmo	bmobcmo
Ross-on-Wye	bfbzbc	bcyby	bbcw	bwcbc
Hartland Point	bc	bc	b	bcbbc
Bristol	bmbbcy	bcyby y	bbzo, mow	bmowbmox
Portland Bill	bcc	cc	bzo	bcc
Plymouth	bbc	Cbcb	b	b
The Lizard	bcy	bcbc	bcb	bbcw
Scilly (St. Mary's)	bcpcy	cbcc	cbc	bccbc
Guernsey				
Pembroke	cbc	cbc	bc	bbcw
Holyhead (Valley)	cjpc	cbc	bccbc	cidoidm
Chester (Sealand)	cmfbcmzy	bcyc	cbc	c, bcczo
Manchester	cfefebzo	bzoyb	bcbmocmo	bccidomo
Spurn Head	bc	bc	bc	cmo
Catterick (Sc)	b	bc	bcc	c
Tynemouth	bc	bcmo	bcmoq	bcmocq
St. Abbs Head	cbcc	bcc	crobc	bcc
Leuchars	ccyc	cycciro	crmoc	c
Renfrew (Abbots I.)	ccirdoc	croro	ciroccmoiro	crorododmo
Eskdalemuir	bcc	cbc	croro	croroidm
Point of Ayre	bbcc	c	c	cmc
Tiree	cciroiro	cidoccdd	mddcdmo	
Stornoway	c	crorodd mo	mododomo	cdodo ccdr
Dalwhinnie	o	opro	•	oproc
Aberdeen	cirocy	cybcycy	cycir	bcciroc
Wick	c	croro	cproiro	ciroc
Sumburgh	proc	cdorrmo	cdodgdmo	cido
Blacksod Point	c	c	r	d
Malin Head	pr	pr	d	d
Aldergrove	c	ccidoc	cciroc	roromoc
Birr Castle	c	c	•	c
Valentia Obsy.	c	bc	bc	bc
Roches Point	bc	bc	bc	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 23rd September 1943

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales	Light southwest wind becoming moderate; mainly fair but cloud increasing; rather cold becoming warmer.
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 southwest to west wind, fresh or strong locally on coasts; cloudy; occasional rain; rather cold.
16 Orkneys and Shetlands ▲	Fresh or strong west wind occasional rain at first; bright intervals, showers later, colder.
17 N.W. Ireland ▲; 18 N.E. Ireland ▲; 19 S.E. Ireland; 20 S.W. Ireland	As 7-15

GENERAL INFERENCE

A deep complex depression extends from Iceland to the Norwegian Sea and associated troughs are moving eastsoutheast across the British Isles, there will be occasional rain in the North, but weather will be mainly fair in the South.

FURTHER OUTLOOK

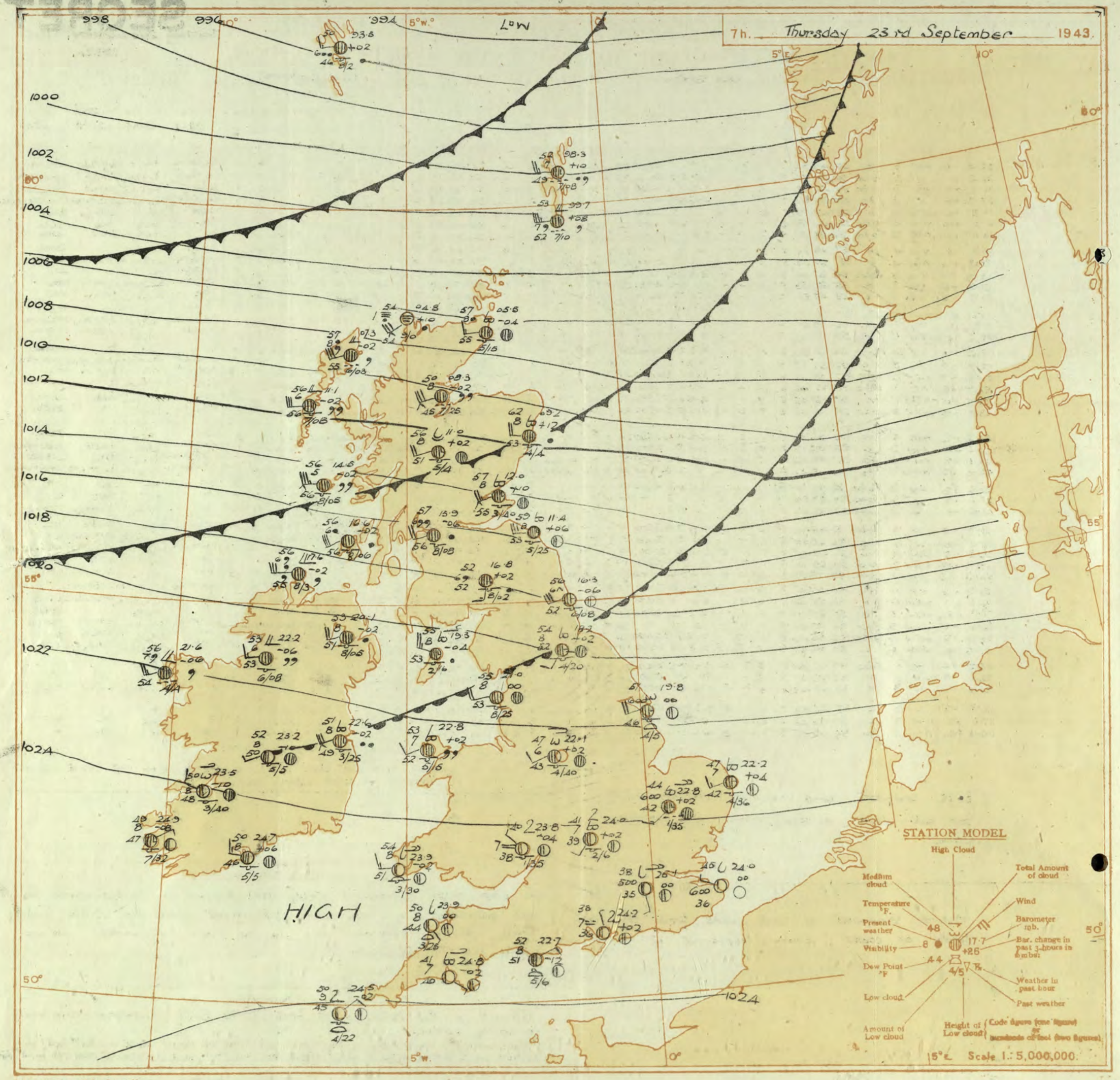
Showers in the North; fair at first in the South, occasional rain later; becoming colder.

▲ Galewarning in operation in districts 13b time of issue 08.55 on 22nd Sept, in districts 14,15,16 time of issue 12.15 on 22nd Sep, in districts 11,12,17,18 time of issue 17.50 on 22nd Sep

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.

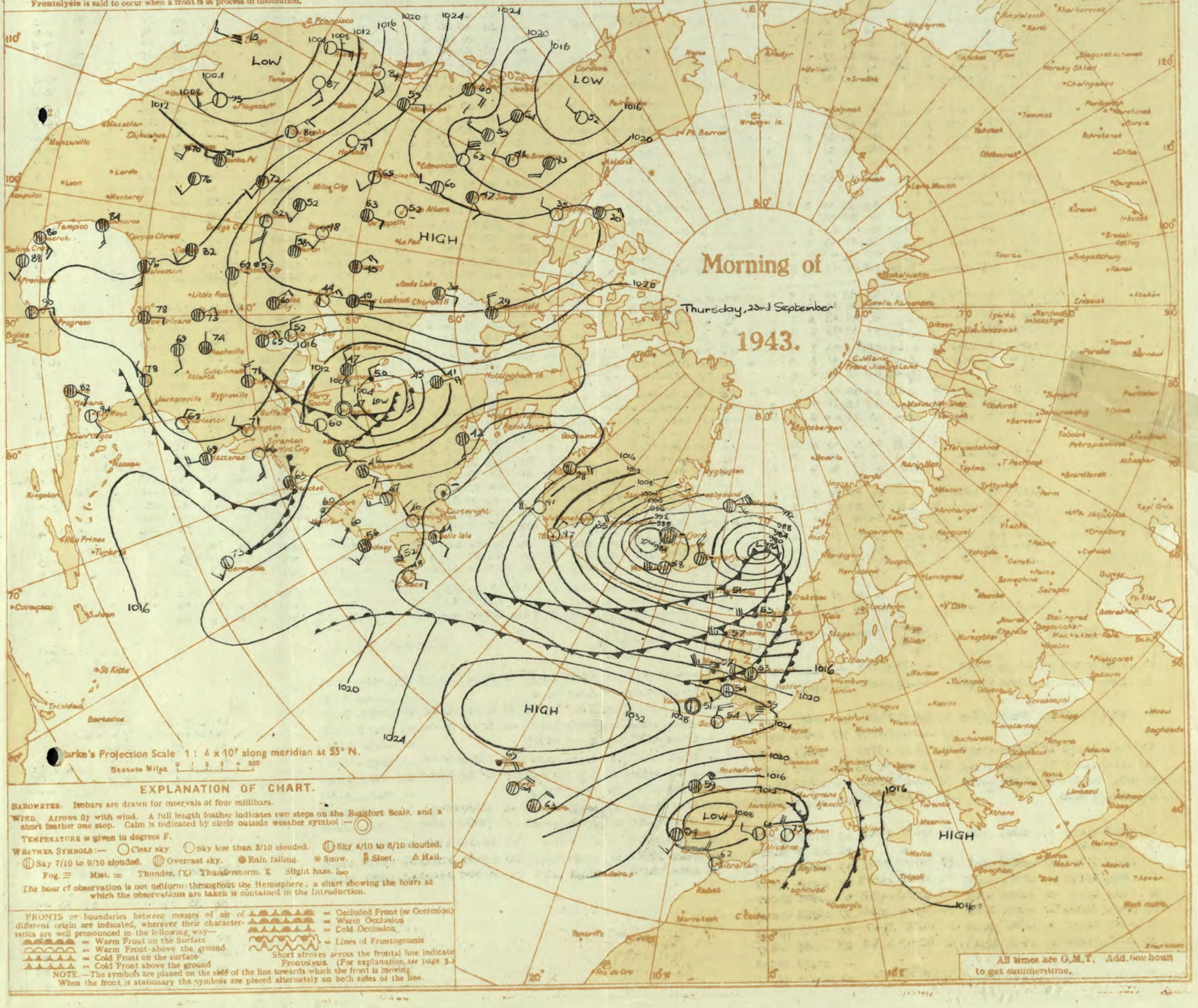
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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. (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 summertime.

Page 4. BRITISH SECTION

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

Thursday 23rd September 1943

No. 29890.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0-12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0-9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0-10 (13)	Cloud Amount Total 0-10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	43	*	*	*	*	*	*	*	*	*
	Croydon	290	25·4	+6	WSW	1	bf-	39	85	35	3	-	–	–	o	o	–
	S. Farnborough	226	25·0	+6	–	o	Zo	36	92	34	6	–	–	–	o	o	–
	Boscombe Down	417	25·1	+6	–	o	Zo	39	92	37	5	–	–	–	o	o	–
	Thorney Island	10	24·5	+4	N'E	2	fg	38	92	37	6	–	3	–	o	Tr	–
	Lympne	283	24·6	+4	NNE	2	Zo	44	85	39	6	–	–	1	o	Tr	–
	Manston	154	24·0	+2	WSW	1	b	42	85	38	7	–	–	1	o	1	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	23·9	-2	W'S	1	b	47	85	42	7	–	–	–	o	o	–
	Gorleston	5	22·4	o	W'S	1	b	45	85	40	7	–	–	–	o	o	–
	Mildenhall	15	23·1	-2	SW'W	2	Zo	40	85	36	6	–	–	–	o	o	–
	Cranwell	203	22·4	-6	WSW	2	Zo	45	92	42	6	–	4	–	o	Tr	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24·6	+4	NW'W	2	Zo	42	85	39	5	–	–	–	o	o	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	24·5	-4	N	3	b	53	75	44	8	1	–	–	1	1	4000
	Bristol	209	25·0	+2	SW	1	Zo	41	92	39	5	–	–	–	o	o	–
	Portland Bill	32	24·2	+6	N	3	b	50	75	43	8	–	–	–	o	o	–
	Plymouth	86	25·1	-2	NNW	2	b	46	97	45	7	–	–	–	o	o	–
	The Lizard	240	25·3	+4	N	3	b	47	85	43	8	–	–	–	o	o	–
	Scilly (St. Mary's)	163	26·2	+18	NNE	5	b-bc	54	75	44	8	8	–	–	2-3	2-3	1500
	Guernsey	175															
6	Pembroke	142	24·9	+10	NW'N	2	bc	55	85	49	8	4	4	–	4-6	4-6	2500
7	Holyhead (Valley)	32	23·9	o	WSW	3	c	54	75	47	8	5	–	–	9	9	3000
	Chester (Sealand)	16	23·0	-6	SW	1	Zo	50	85	45	6	5	2	–	7-8	10	2500
8	Manchester	230	22·8	-2	SW'S	3	Zo	48	85	42	6	5	7	–	4-6	10	4300
10	Spurn Head	29	21·1	-6	WSW	4	b-bc	50	75	43	7	1	3	–	2-3	2-3	4000
	Catterick (Sc)	192	18·9	-12	WSW	3	c-bc	52	85	47	7	5	3	6	2-3	7-8	3500
	Tynemouth	108	17·3	-16	W	6	c-bcq	53	75	46	6	8	–	–	4-6	7-8	2500
11	St. Abbs Head	280	12·8	-12	W	5	c-bc	54	85	50	7	5	–	–	7·8	7·8	2500
	Leuchars	36	12·2	-20	WSW	5	c	55	85	51	7	5	7	–	4-6	9	4000
12	Renfrew (Abbots L)	19	16·5	-10	W'S	5	iro	55	92	54	6	5	2	–	7·8	10	1400
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	21·1	-2	WNW	4	c	54	85	49	8	5	–	–	9+	9+	3000
13A	Tiree	44	15·6	-14	WNW	5	c	56	97	56	7	5	–	–	10	10	1200
13B	Stornoway	12	08·0	-14	W	7	ido	57	97	56	6	6	2	–	7-8	10	800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	08·7	-10	WSW	4	c	56	85	50	8	5	7	–	4-6	9+	3500
	Wick	114	05·8	-10	WSW	5	roro	56	85	52	7	5	7	–	9	10	1800
16	Sumburgh	19	99·1	-6	W	7	ido	54	97	54	6	6	–	–	7·8	7·8	600
17	Blacksod Point	18	23·6	-8	W	5	iro	55	85	51	7	6	·2	–	4-6	10	1500
18	Malin Head	84	18·9	-10	W'S	5	df	55	97	54	2	–	–	–	10	10	<150
	Aldergrove	268	21·4	-6	W	3	c	53	92	51	7	5	–	–	10	10	1400
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	27·1	-2	–	o	b-bc	51	85	47	9	5	–	–	2-3	2-3	4000
	Roches Point	22	26·3	-2	NW'W	4	c	52	97	51	8	5	–	–	9	9	1500

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

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)	24·3	o	–	o	m	42	92	40	4	5	–	4	1	4-6	4000	o	*
Croydon	25·1	o	SSE	1	Zo	38	85	35	5	–	4	2	o	4-6	–	o	*
S. Farnborough	25·0	+2	–	o	m	33	97	33	4	–	–	4	o	2-3	–	o	*
Boscombe Down	24·4	-2	–	o	m	37	92	35	4	–	–	6	o	4-6	–	o	*
Thorney Island	24·2	+2	NNW	1	fg	38	92	36	7	–	–	9	o	4-6	–	o	*
Lympne	24·3	+2	NNW	2	bc	46	75	37	7	–	–	6	o	4-6	–	o	§2
Manston	24·0	o	W'N	1	Zo	45	75	36	6	-	4	1	o	2-3	–	o	*
Shoeburyness	23·9	-2	W'N	2	m	44	85	41	4	–	–	2	o	4-6	–	1	*
Felixstowe	23·3	o	W'S	2	Zo	45	85	41	6	–	–	2	o	4-6	–	o	2
Gorleston	22·2	+4	W'S	3	c	47	85	42	7	5	7	–	4-6	9	3600	o	3
Mildenhall	22·8	+2	SW	3	Zo	44	92	42	6	6	7	2	Tr	9+	3500	o	*
Cranwell	20·6	-6	W'S	3	Zo	49	85	45	6	–	7	2	o	9	–	o	*
Birmingham	23·1	+2	SW	2	c	46	85	42	7	–	7	–	o	9+	–	1	*
Upper Heyford	24·0	+2	SW	2	c-bc	41	92	39	7	5	7	6	1	7·8	4000	o	*
Ross-on-Wye	23·8	-4	NW	1	fg	40	92	38	7	5	–	6	Tr	4-6	3500	1	*
Hartland Point	23·9	o	SSE	2	bc	50	85	44	8	1	4	–	2-3	4-6	2500	o	3
Bristol	24·6	-2	–	o	Zo	39	97	37	6	–	4	4	o	4-6	–	1	*
Portland Bill	22·7	-12	NE	2	c-bc	52	97	51	8	2	–	–	7-8	7·8	4000	1	3
Plymouth	24·8	-2	SE	1	Zo	41	97	40	7	–	7	1	o	2-3	–	1	1
The Lizard	24·3	+6	ENE	2	bc	48	85	44	8	4	4	–	4-6	4-6	3000	o	3
Scilly (St. Mary's)	24·5	-2	NE'N	2	bc	50	85	45	9	7	–	5	4-6	4-6	2200	1	
Guernsey																	
Pembroke	23·9	-2	W	3	bc	54	85	51	8	4	4	2	2-3	4-6	3000	1	2
Holyhead (Valley)	22·8	+2	WSW	2	%d	53	92	52	7	5	7	–	7-8	10	1500	1	2
Chester (Sealand)	21·8	+2	–	o	Zo	50	85	46	6	5	7	–	9	9+	3500	o	*
Manchester	21·5	-2	SW	3	%d	49	92	47	6	5	–	–	10	10	2000	1	*
Spurn Head	19·8	o	WSW	4	Zo	51	85	46	6	7	3	–	4-6	9	2500	o	3
Catterick (Sc)	18·2	+2	SW	2	c	54	92	52	8	5	7	–	4-6	9	2000	o	*
Tynemouth	16·3	-6	WSW	6	cq	56	85	52	6	5	–	–	9	9	800	o	2
St. Abbs Head	11·4	+6	W	6	c	59	85	53	8	5	7	–	7·8	9+	2500	o	5
Leuchars	12·0	+10	WSW	5	c	57	92	55	8	5	7	–	2-3	9+	4000	o	*
Renfrew (Abbots L)	15·9	-6	WSW	4	dodo	57	97	56	6	5	–	–	10	10	800	1	*
Eskdalemuir	16·8	+2	S	3	ido	52	97	52	6	5	–	–	10	10	200	1	
Point of Ayre	19·3	-4	WNW	5	c	55	92	53	8	5	7	8	1	9+	1600	1	3
Tiree	14·5	-2	N	7	%d	56	97	56	5	5	–	–	10	10	500	1	5.
Stornoway	07·3	-2	WSW	6	dr	57	92	55	5	6	2	–	9	10	300	1	4
Dalwhinnie	10·0	+2	WSW	4	c	56	85	51	8	5	9	–	7-8	9+	1500	1	*
Aberdeen †	09·2	+12	W	4	c	62	75	53	8	5	7	–	4-6	10	1500	1	2
Wick	05·5	-4	W'S	3	iro	57	92	55	8	5	7	–	7-8	10	1500	1	*
Sumburgh	99·7	+8	W'S	7	ido	53	97	52	7	6	2	–	9+	10	1000	1	4
Blacksod Point	21·6	-6	WSW	5	ido	56	92	54	7	6	2	–	4-6	10	1500	1	4
Malin Head	17·6	-2	W	6	Dr	56	97	55	6	–	2	–	10	10	800	2	4
Aldergrove	20·1	-2	WSW	4	c	53	92	51	8	5	–	–	10	10	600	1	*
Birr Castle	23·2	-10	WSW	1	c-bc	52	92	50	8	5	–	–	7-8	7-8	2500	1	*
Valentia Obsy.	24·9	-8	ENE	1	c	49	92	47	8	5	–	–	9+	9+	3200	1	2
Roches Point	24·7	+6	W'N	3	c-bc	50	85	46	8	5	–	–	7-8	7-8	2500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 22nd Hrs. (38)
London (Kew)	57	38	25	-	Tr	10·3
Croydon	57	36	31	-	-	8·6
S. Farnborough	59	32	24	-	–	9·8
Boscombe Down	57	35	35	·	Tr	8·2
Thorney Island	59	35	31	Tr	Tr	*
Lympne	*	41	32	–	–	11·0
Manston	57	40	29	·	–	10·9
Shoeburyness	59	40	34	·	–	[illegible]
Felixstowe	59	41	33	·	–	10·3
Gorleston	57	42	40	Tr	–	8·4
Mildenhall	57	37	33	·	–	10·4
Cranwell	58	41	33	·	–	10·1
Birmingham	55	43	33	·	–	7·9
Upper Heyford	56	37	32	·	–	*
Ross-on-Wye	58	39	*	–	–	10·8
Hartland Point	57	46	43	·	–	10·0
Bristol	58	36	29	*	–	9·5
Portland Bill	62	46	*	·	–	*
Plymouth	60	38	32	·	–	10·1
The Lizard	60	46	*	·	–	11·3
Scilly (St. Mary's)	59	50	*	Tr	–	7·6
Guernsey						
Pembroke	58	47	*	·		2·7
Holyhead (Valley)	57	50	44	·		*
Chester (Sealand)	55	48	45	·		8·5
Manchester	53	43	35	·		*
Spurn Head	57	48	*	·		10·5
Catterick (Sc)	58	46	39	·		9·2
Tynemouth	57	53	49	·		*
St. Abbs Head	56	46	*	·	0·4	*
Leuchars	58	51	48	Tr	0·4	1·6
Renfrew (Abbots L)	57	52	50	Tr	0·3	2·3
Eskdalemuir	57	47	46	–	0·3	7·1
Point of Ayre	58	52		–	1	5·7
Tiree	56	51	51	0·3	1	0·0
Stornoway	56	54	53	1	1	0·0
Dalwhinnie	53	48	46	1	Tr	0·8
Aberdeen †	60	49	45	Tr	2	2·0
Wick	57	51	44	1	2	*
Sumburgh	53	51	49	3	15	1·4
Blacksod Point	58	*	*	·	0·1	*
Malin Head	55	52		Tr	1	0·3
Aldergrove	57	51	51	Tr	0·1	4·9
Birr Castle	59	50	45	·	–	4·2
Valentia Obsy.	57	49	44	·	Tr	5·4
Roches Point	59	50	·	·	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 22nd Sept. $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 23rd Sept. $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	87	02755	57727	5-	64638	56668	5-	64538	57768	5-	56638	56658
115	57	14744	31627	--	67009	87669	--	67009	53669	--	67109	53669
203												
206	37	02354	22727	54	22855	55868	5-	51855	55725	6-	21857	55658
210	--	---	---				57	02864	54725	57	22846	55468
219	52	02845	22668	62	52535	23658	5-	51638	23758	52	21637	23658
230	87	02964	22328	52	51645	20468	52	51846	55368	52	02746	20268
245	59	02961	24427	57	61862	20327	57	02853	53466	57	02953	56427
260	53	05634	22425				5-	05558	22728	57	05555	22628
278												
279	57	02864	22225	57	02853	25326	52	61735	24428	57	02745	24427
285	13	01861	30513							62	52525	24558
288	00	01890	23311	05	01890	20214	57	02764	18427	57	02855	20427
575	77	02964	26227	57	05754	24426	02	52538	24458	52	21636	24358
301	18	01858	28313	24	02854	26415	57	02853	,4418	5-	02858	23428
321	00	00890	30300	00	05690	26210	53	05661	20114	57	05662	00025
296	10	01752	26412	00	00790	26300	5-	02757	22417	80	02755	22425
392	00	01890	28201	07	01890	22213	57	02765	20318	57	02854	20527
310	--	01644	32314							--	51425	26315
614	00	05690	32200	00	05590	28100	52	05673	22325	57	05664	23327

III	13h. G.M.T. 22nd Sept. $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 23rd Sept. $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
388	76	02965	02326	10	02961	23115	57	02865	22227	57	02854	22752
334	--	02743	02314	--	01763	x2614				--	02646	20217
340	4-	05663	32313	40	01861	32202	57	02754	02128	57	02854	20225
136	10	01854	31314	00	01890	26111	00	05690	20100	57	05673	16427
330	13	01762	04313	14	01762	04313				53	01753	20314
350	10	01763	28213	00	05690	28110	00	05590	16100	03	05590	20217
368	70	01764	04114	10	01867	32203	54	01752	00003	54	01752	22104
379	03	17590	01111	00	17590	28200				01	05690	24315
390	10	00761	30401	00	00790	32100	00	05590	00000	00	45390	20247
882	10	05662	04312	00	01790	00001	00	05690	28100	03	05690	30115
438	10	01762	02412				00	00790	02200	50	01762	30112
430	40	01862	32312	00	00790	31100	00	05690	32200	03	04790	00014
409	10	01954	03414	40	01963	01314	00	00990	04200	44	01951	04102

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 23rd September, 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	bzo bcby	bzoy	bbcmx
Croydon	bzobbcby	bybmoy	bfbmbcmow
Greenwich	by	by	bmo xm
Camden Square	b	b	*
Kensington	bczbc	bc	*
Hampstead	b	b	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew [illegible] Max. 0·5 Time 22-23h 22nd; Min. <0·1 Time 11-14h

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	57	38	25	–	Tr	10·3	*	*
Croydon	57	36	31	–	–	8·6	*	*
Greenwich	58	35	23	–	–	9·7	39	49
Westminster	61	40	34		-		52	70
Regents Park	59	40	30	–	–		38	61
Camden Square	59	40	32	–	–	*	*	69
Kensington	59	39	28	-	–		50	68
Hampstead	56	40	32	–	–		*	61

BRITISH SECTION

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

SECRET

Friday 24th September 1943

No. 29891

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

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)	Hymid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base (feet) (15)
1	London (Kew)	21·9	-18	WSW	3	c-bc	61	48	41	7	-	-	8	0	7-8	-
	Croydon ...	22·9	-6	SW'W	3	Z_0	64	45	40	6	-	-	2	0	4-6	-
	S. Farnborough	22·3	-18	W'S	3	c-bc	65	45	43	8	-	5	8	0	7-8	-
	Boscombe Down	22·6	-18	SW'W	1	bc	65	55	39	8	-	7	-	0	4-6	-
	Thorney Island	23·0	-10	S'W	3	Z_0	62	55	47	6	-	-	6	0	9+	-
	Lympne ...	22·7	-14	WSW	3	c-bc	62	55	47	8	-	-	6	0	7-8	-
	Manston ...	22·2	-14	SW	3	c	63	35	34	7	-	-	6	0	9+	-
2	Shoeburyness ...	22·1	-14	WSW	2	m	65	45	43	4	-	-	5	0	4-6	-
	Felixstowe ...	21·7	-18	SW	3	Z_0	65	45	43	6	-	-	5	0	9	-
	Gorleston ...	20·5	-10	W	3	c-bc	64	55	49	7	5	-	8	4-6	7-8	2500
	Mildenhall ...	20·9	-20	WSW	4	c-bc	65	55	50	8	-	-	2	0	7-8	-
	Cranwell ...	19·9	-6	SW'W	4	Z_0	62	65	51	6	-	3	6	0	9	-
3	Birmingham ...	20·6	-10	SW	2	c-bc	62	65	50	8	-	-	6	0	7-8	-
	Upper Heyford	21·5	-16	SW	3	Z_0	62	65	48	6	-	7	6	0	9+	-
4	Ross-on-Wye	21·3	-16	SW'S	2	bc	65	55	50	7	5	-	2	2-3	4-6	3500
5	Hartland Point	22·9	-12	W	3	bc	58	75	48	8	1	-	4	2-3	4-6	3000
	Bristol ...	22·5	-18	WSW	3	c	62	65	51	7	-	3	8	0	9	-
	Portland Bill ...	23·1	-6	NW	3	c-bc	61	85	56	8	2	-	-	7-8	7-8	4000
	Plymouth ...	23·5	-12	SSW	3	c-bc	60	75	50	8	-	-	6	0	7-8	-
	The Lizard ...	24·1	-4	-	0	bc	61	65	47	8	7	9	-	2-3	4-6	4000
	Scilly (St. Mary's)	23·8	-10	NE	2	bc	60	65	48	8	8	4	3	2-3	4-6	1800
	Guernsey ...															
6	Pembroke ...	22·9	-10	W	3	bc	58	85	54	8	7	4	1	2-3	4-6	3000
7	Holyhead (Valley)	21·1	-14	SSW	5	c	60	65	48	8	5	7	6	2-3	9+	2000
	Chester (Sealand)	20·3	-14	WSW	2	c	61	75	53	7	5	7	1	2-3	9+	5000
8	Manchester ...	20·6	-14	WSW	4	c-bc	60	75	53	7	5	3	2	4-6	7-8	5000
10	Spurn Head ...	18·5	-10	W'S	4	Z_0	62	75	54	6	5	7	-	7-8	9	4000
	Catterick (Sc) ...	17·9	-4	SW	3	c	59	92	55	7	5	7	9	2-3	9	2000
	Tynemouth ...	17·1	+6	W	6	c-bcq	63	85	57	7	2	-	-	7-8	7-8	2200
11	St. Abbs Head	12·8	+2	W	5	c	61	85	53	7	5	4	-	7-8	9+	2500
	Leuchars ...	12·7	-2	SW	5	c	62	75	55	8	5	7	-	4-6	9+	2000
12	Renfrew (Abbots I.)	15·3	-4	W'S	5	c	60	85	55	8	5	7	-	4-6	9+	4000
	Eskdalemuir ...	16·0	-10	SW	3	c/pr	57	92	54	6	5	-	-	10	10	900
	Point of Ayre ...	19·0	-4	W	5	c	59	85	53	8	7	-	-	10	10	2500
13A	Tiree ...	14·0	-6	WSW	5	c	58	92	57	6	5	-	-	10	10	3000
13B	Stornoway ...	06·7	-6	WSW	6	dd	57	92	55	5	6	2	-	9+	10	400
15	Dalwhinnie ...	11·3	0	WSW	4	pr	57	75	48	8	5	7	-	7-8	9+	2500
	Aberdeen ...	05·6	+4	W	3	c	65	65	51	8	5	9	-	1	9+	3000
	Wick ...	06·1	+2	WSW	4	ir_0	60	92	58	8	6	-	-	4-6	10	800
16	Sumburgh ...	01·5	+6	W'S	5	c	52	85	51	7	5	7	-	4-6	9+	1500
17	Blacksod Point	19·9	-8	WSW	5	id	57	97	57	6	-	2	-	10	10	800
18	Malin Head ...	16·2	-10	W	4	id	58	92	56	8	5	-	-	10	10	800
	Aldergrove ...	19·0	-8	SW'S	3	id_0	56	92	54	7	-	2	-	10	10	800
19	Birr Castle ...	21·3	-14	SSW	3	c-bc	62	75	54	8	5	-	5	2-3	7-8	2500
20	Valentia Obsy.	23·1	-18	W'N	3	bc	57	97	56	8	5	-	-	4-6	4-6	4000
	Roches Point	22·3	-18	WSW	2	b-bc	60	75	52	9	-	-	5	0	2-3	-

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

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)	Hymid. % (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	20·4	-8	WSW	2	Z_0	58	65	45	5	-	9	8	0	7-8	-	0	*
	Croydon ...	21·2	-6	SSW	1	c-bc	61	55	44	6	-	4	6	0	7-8	-	0	*
	S. Farnborough	20·6	-6	SW'W	2	c-bc	62	55	44	7	-	5	8	0	7-8	-	0	*
	Boscombe Down	20·8	-6	W'S	1	bc	59	65	46	8	-	5	2	0	4-6	-	0	*
	Thorney Island	20·7	-14	SSW	3	c-bc	58	75	49	7	-	7	2	0	7-8	-	0	*
	Lympne ...	21·3	-6	SW	2	bc	55	95	49	8	-	-	8	0	4-6	-	0	§3
	Manston ...	21·2	-6	S	3	Z_0	57	65	47	6	-	-	8	0	7-8	-	0	*
2	Shoeburyness ...	20·3	-6	W	1	m	60	65	46	4	-	-	5	0	4-6	-	0	*
	Felixstowe ...	20·8	-2	SW'S	3	Z_0	61	65	48	6	-	-	2	0	9	-	0	2
	Gorleston ...	19·7	+10	W'S	1	bc	65	55	47	7	-	7	-	0	4-6	-	0	2
	Mildenhall ...	19·2	-2	SW	3	c-bc	62	55	47	7	-	4	4	0	7-8	-	0	*
	Cranwell ...	18·6	+4	WSW	3	Z_0	60	85	54	6	5	-	2	2-3	7-8	7000	0	*
3	Birmingham ...	19·8	-2	SW	2	c	61	75	53	8	5	4	2	7-8	9	2500	1	*
	Upper Heyford	20·3	-4	SW	2	Z_0	58	75	48	6	-	4	2	0	2-3	-	0	*
4	Ross-on-Wye	19·7	-6	SW	2	b-bc	60	75	53	7	-	-	2	0	2-3	-	1	*
5	Hartland Point	21·1	-6	W	3	bc	56	85	52	9	1	4	5	2-3	4-6	3000	0	2
	Bristol ...	21·0	-16	W'N	1	bc	56	85	53	7	-	3	2	0	4-6	-	1	*
	Portland Bill ...	21·1	-6	SW	3	bc	60	75	52	8	5	-	-	4-6	4-6	4000	1	3
	Plymouth ...	21·2	-4	S'W	2	b-bc	58	85	52	8	-	-	5	0	2-3	-	0	1
	The Lizard ...	21·7	-10	NW	2	b-bc	57	85	50	8	7	-	-	2-3	2-3	4000	0	2
	Scilly (St. Mary's)	21·9	-6	N	2	bc	56	75	48	8	5	-	5	Tr	4-6	1800	0	1
	Guernsey ...																	
6	Pembroke ...	21·0	-8	WSW	3	bc	57	92	54	8	1	4	2	2-3	4-6	3000	0	2
7	Holyhead (Valley)	19·2	+2	SW'S	5	c-bc	57	85	53	8	5	4	2	1	7-8	3000	1	3
	Chester (Sealand)	18·7	0	SW'W	2	c-bc	59	65	49	8	-	9	9	0	7-8	-	0	*
8	Manchester ...	18·5	+4	WSW	2	Z_0	61	85	56	6	5	3	-	9+	10	2500	1	*
10	Spurn Head ...	17·5	0	WNW	3	Z_0	59	85	55	6	5	7	-	7-8	9	1500	0	3
	Catterick (Sc) ...	16·6	-2	WSW	3	c	57	85	53	8	5	9	-	4-6	9	2000	0	*
	Tynemouth ...	15·8	-4	SW	3	Z_0	60	85	55	6	8	-	-	7-8	7-8	2200	0	2
11	St. Abbs Head	10·7	-10	W	5	c	60	85	54	7	5	4	-	4-6	9	2500	0	4
	Leuchars ...	10·1	-14	W	6	c	60	75	52	8	5	7	-	2-3	9+	1500	0	*
12	Renfrew (Abbots I.)	13·0	-14	WSW	4	d_0d_0	58	92	56	6	5	-	-	9	9+	500	1	*
	Eskdalemuir ...	13·1	-16	SW'W	4	ir_0	55	92	53	5	6	2	-	7-8	9+	700	1	*
	Point of Ayre ...	16·7	-4	W'N	4	c	59	85	54	8	8	-	-	9+	9+	3000	0	3
13A	Tiree ...	11·3	-10	SW'W	5	c/d	56	97	56	6	6	2	-	10	10	400	1	4
13B	Stornoway ...	03·8	-22	NW'N	7	dr	56	92	54	5	6	2	-	9	10	400	1	5
15	Dalwhinnie ...	08·3	-14	WSW	4	c	55	75	47	8	5	9	-	9	9+	2500	0	*
	Aberdeen ...	07·0	-8	WSW	2	c	62	55	48	8	5	9	-	1	9	4000	1	1
	Wick ...	04·2	-14	WSW	3	c	57	92	55	8	5	7	-	4-6	9	3000	1	*
16	Sumburgh ...	00·6	-16	SW'W	5	id_0	54	97	54	6	5	-	-	10	10	500	1	4
17	Blacksod Point	17·5	-10	WSW	4	o/d	56	97	56	7	-	2	-	10	10	1500	1	4
18	Malin Head ...	13·3	-14	WSW	5	c	57	85	53	8	5	-	-	9	9	800	2	4
	Aldergrove ...	16·3	-12	SW	3	id_0	58	92	56	6	5	2	-	9	10	600	1	*
19	Birr Castle ...	19·2	-6	SW	2	c	56	85	52	8	5	2	-	7-8	10	2500	1	*
20	Valentia Obsy.	21·3	-8	W'S	3	id_0	55	92	53	8	5	-	-	9+	9+	1000	1	2
	Roches Point	19·8	-10	SW	2	b	61	85	56	9	-	-	1	0	1	-	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 23rd (39)	Weather. 13h.—18h. 23rd (40)	Weather. 18h. 23rd to 1h. 24th (41)	Weather. 1h.—7h. 24th (42)
1	London (Kew)	$c\,m\,m_0\,c\,y$	$c\,b\,c\,y\,z_0$	$c\,b\,c\,b\,c\,m_0\,w$	$b\,b\,c\,m_0\,w$
	Croydon ...	$c\,z_0\,y\,b\,c\,z_0\,y$	$b\,c\,z_0\,y\,c\,z_0$	$y\,c\,z_0\,y\,b\,m_0$	$b\,m\,b\,c\,m\,m$
	S. Farnborough	$b\,c\,m\,c\,m_0\,c\,b\,c$	$b\,c$	$b\,m_0\,w$	$b\,b\,c\,m\,c\,b\,c$
	Boscombe Down	$b\,c\,m_0\,c\,z_0\,b\,c$	$b\,c\,y\,b\,c$	$b\,c\,b\,m_0\,w\,m$	$b\,m\,c\,F\,b\,c\,m_0$
	Thorney Island	$b\,c\,z_0\,c\,z_0\,y$	$c\,z_0\,y\,b\,c\,y\,b\,r$	$b\,m_0$	$b\,c\,m\,w\,b\,m_0\,c$
	Lympne ...	$b\,c\,y$	$b\,c\,b$	$b\,c\,b$	$b\,c\,b\,b\,c\,w\,m_0$
	Manston ...	$b\,b\,b\,c\,z_0\,c\,y$	$z\,y$	$b\,z_0\,b\,c\,m_0\,w$	$b\,b\,c\,m_0\,w$
2	Shoeburyness ...	$b\,c\,x\,m\,c\,z_0$	$b\,c\,z_0\,y$	$b\,c\,z\,b\,c\,m_0$	$b\,c\,w\,m_0$
	Felixstowe ...	$b\,c\,m_0\,c\,m_0\,y$	$c\,z_0\,y\,c\,m_0$	$b\,m_0$	$c\,m_0$
	Gorleston ...	$b\,c\,c\,y$	$c\,z_0\,b\,c\,y$	$b\,b\,c$	$b\,c\,c\,z_0$
	Mildenhall ...	$c\,m_0\,b\,c\,y$	$b\,c\,y\,c\,y$	$c\,y\,b\,c\,m_0\,b$	
	Cranwell ...	$c\,z_0$	$c\,z_0\,c\,m_0\,c$	$b\,c\,m_0\,b\,m_0$	$b\,m_0\,b\,c\,m_0$
3	Birmingham ...	$b\,c$	c	$b\,c\,b\,c$	$b\,c\,w\,z$
	Upper Heyford	$c\,w\,b\,c\,c\,z_0$	$c\,z_0\,y\,b\,c\,z_0$	$b\,c\,z\,b\,m_0$	$b\,m\,b\,c\,m\,o\,f\,c\,m_0$
4	Ross-on-Wye	$b\,c$	$b\,c\,b\,c$	$b\,w$	$b\,w\,b\,c\,w$
5	Hartland Point	$b\,c$	$b\,c\,c\,v$	$b\,c\,b$	$b\,b\,c\,c$
	Bristol ...	$b\,c\,m_0\,w\,c\,m_0$	$c\,b\,c$	$b\,w$	$b\,w\,b\,c\,w$
	Portland Bill ...	c	$b\,c$	$b\,c\,b\,c$	$b\,c\,c$
	Plymouth ...	$b\,c\,c$	$b\,c$	$b\,m_0\,w$	$b\,c\,m_0\,w\,b\,c\,w$
	The Lizard ...	$b\,c$	$b\,c$	$b\,b\,c$	$b\,c\,b\,c$
	Scilly (St. Mary's)	$b\,c$	$b\,c$	$b\,c\,b\,W$	$b\,c\,w\,b\,c$
	Guernsey ...				
6	Pembroke ...	$b\,c$	$b\,c$	$b\,c$	$b\,c\,c$
7	Holyhead (Valley)	c	$c\,b\,c\,c$	$c\,b\,c\,w$	$c\,b\,c\,w$
	Chester (Sealand)	$c\,m_0\,o\,z_0$	c	$c\,b\,c\,c\,z_0$	$b\,c\,m_0\,r$
8	Manchester ...	$c\,m_0\,c$	$b\,c\,c\,z_0$	$c\,r\,m_0\,b$	$b\,c\,m_0\,w$
10	Spurn Head ...	$c\,m_0$	$c\,m_0$	$b\,c\,m_0$	$b\,c$
	Catterick (Sc) ...	c	$c\,c\,m_0\,c$	$b\,c\,b$	c
	Tynemouth ...	$c\,q$	$c\,m_0$	$c\,b\,b\,c\,m_0$	$b\,c\,c\,m_0$
11	St. Abbs Head	c	c	$c\,b\,c$	$b\,c\,c$
	Leuchars ...	c	c	$c\,b\,c\,b\,b\,c$	$b\,c\,c$
12	Renfrew (Abbots I.)	$c\,d_0\,d_0\,m_0\,c$	$c\,c\,d_0\,d_0\,m_0$	$c\,d_0\,d_0\,r\,m_0$	$c\,c_0\,c\,c\,d_0\,d_0\,m_0\,c$
	Eskdalemuir ...	$r_0\,r_0\,p\,r\,c$	$c\,m_0\,i\,r_0$	$i\,r_0\,r\,r\,f$	$c\,u\,r\,c$
	Point of Ayre ...	c	c	$b_0\,p_0\,r\,b$	$c\,i\,r_0\,r\,r$
13A	Tiree ...	c	$c\,m_0\,p\,r\,i\,d_0$	$c\,m_0\,c\,i\,d_0\,d_0$	$c\,m_0\,c$
13B	Stornoway ...	$c\,r_0\,d\,r\,d\,r\,m_0$	$d\,r$	$c\,m_0\,p_0\,p_0\,b\,c$	$b\,c\,c\,i\,r_0\,p\,r_0$
15	Dalwhinnie ...	$c\,p\,r_0$	c		$c\,c\,u\,r\,c$
	Aberdeen ...	$c\,i\,r\,c$	$c\,c\,y$	c	$b\,c$
	Wick ...	$c\,r_0\,r\,c\,r_0\,c$	$c\,i\,r_0\,c$	$p\,b\,c\,c\,i\,d_0$	$c\,c\,p\,r_0$
16	Sumburgh ...	$c\,i\,d_0\,c$	$c\,d_0\,d\,m_0$	$b\,c$	$b\,c\,p\,r_0$
17	Blacksod Point	d	d	d	r
18	Malin Head ...	d	d	r	c
	Aldergrove ...	$c\,c\,i\,d_0$	$c\,i\,d_0$	$i\,d_0\,d_0\,m\,c$	$d_0\,d\,D\,D\,c\,i\,d$
19	Birr Castle ...	c	c		r
20	Valentia Obsy.	$b\,c$	d	r	r
	Roches Point	$b\,c$	$b\,c$	b	c

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

Districts	Forecast
1 S.E. England	Light southwest wind veering northwest; fair at first, slight rain during night, fair again tomorrow; becoming colder.
2 E. England ..	Light southwest wind veering northwest, light or moderate; slight rain at first, fair later but showers near east coast; becoming colder
3 E. Midlands ...	
4 W. Midlands	
5 S.W. England	As 1.
6 South Wales	Light southwest wind veering northwest, moderate; cloudy with slight rain at first, bright intervals and local showers later, colder.
7 North Wales	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Moderate west wind veering northwest strong or gale locally on coasts; bright intervals, showers, local hail and thunder, cold
12 S.W. Scotland & Isle of Man	
13A W. Scotland ... ✦	
13B N.W. Scotland	
14 Mid Scotland	
15 N.E. Scotland ✦	
16 Orkneys and ✦ Shetlands	As 11-15
17 N. W. Ireland	Moderate northwest wind; bright intervals, showers; cold
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

GENERAL INFERENCE

A deep depression east of Iceland is moving east southeast and cold northwest winds are spreading southeast over the British Isles. There will be showery weather in the North. Weather will be fair at first in the extreme South but there will be light rain later.

FURTHER OUTLOOK

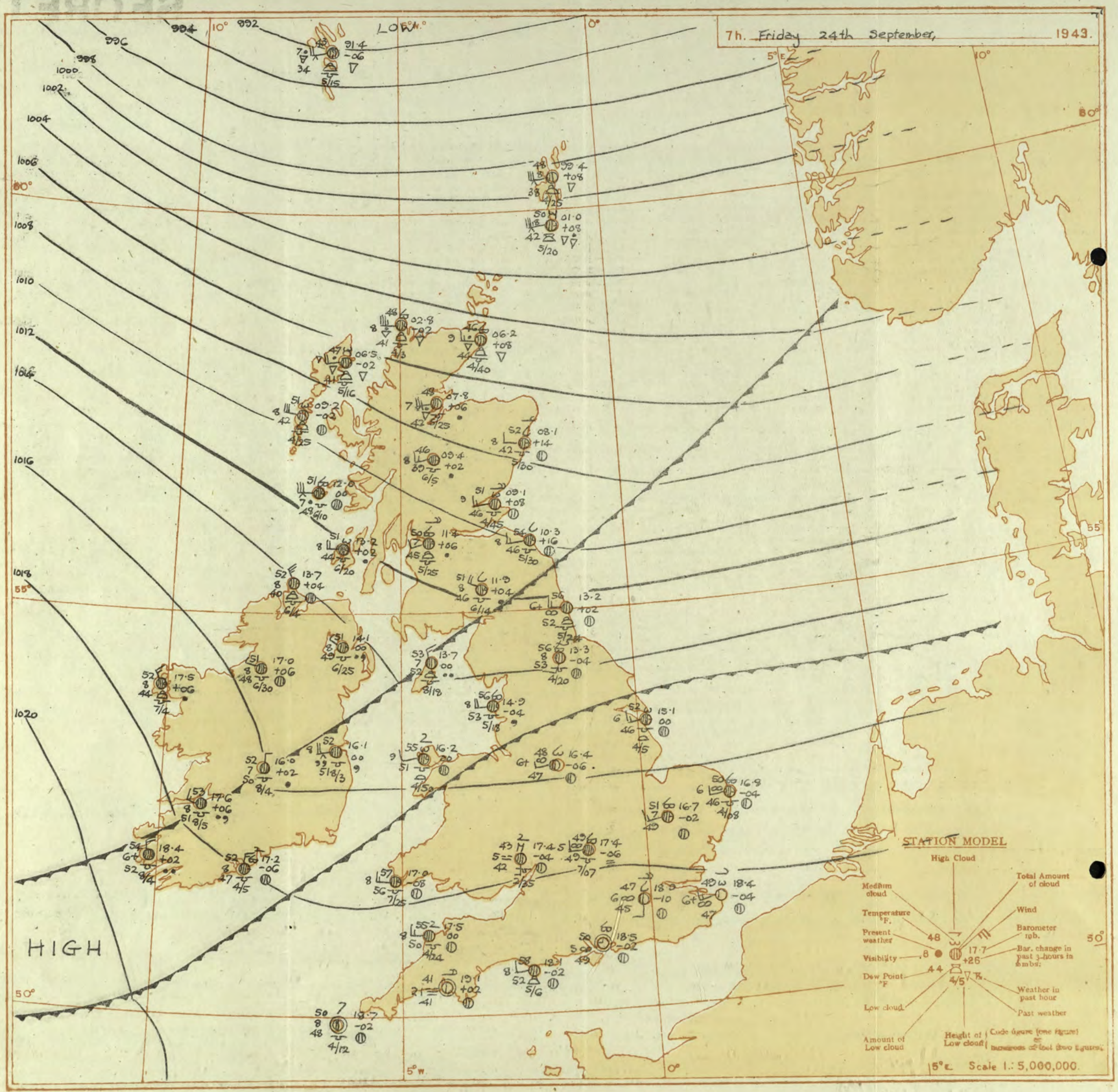
Showers in the North, fair in the South; cold with ground frost at night.

✦ Gale warning in operation in districts 13b, 15 (part of) and 16. Issued 1215 GMT 22-9-43

Forecasts issued at 1030

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

7h. Friday 24th September, 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).

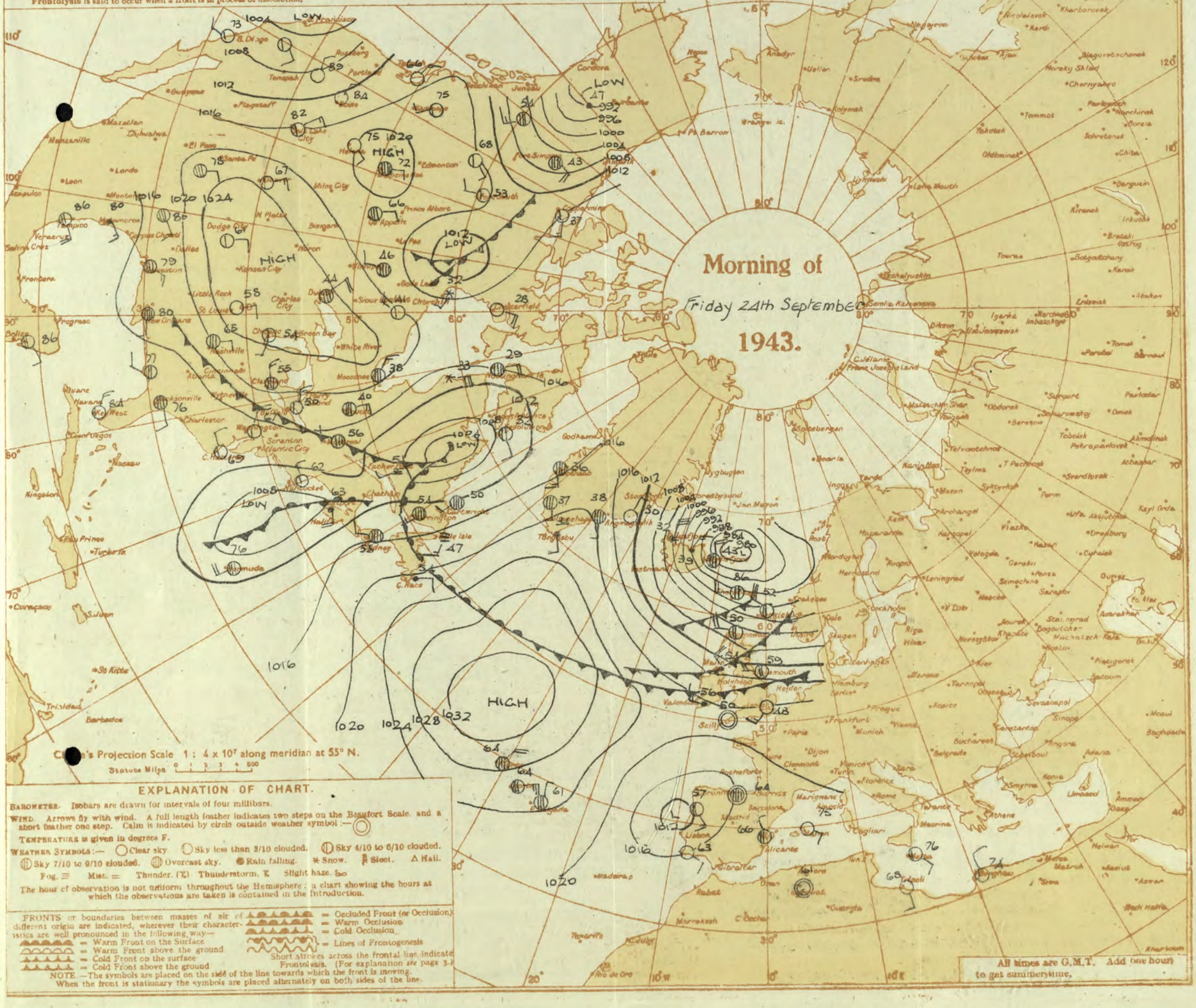
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 summertime.

BRITISH SECTION

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

Friday 24th September 1943

No. 29891

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	50	*	*	*	*	*	*	*	*	*
	Croydon	290	20.9	-2	SW	3	z₀	48	85	45	6	-	-	-	0	0	-
	S. Farnborough	226	20.2	-4	-	0	z₀	43	92	40	6	-	-	-	0	0	-
	Boscombe Down	417	20.5	-2	-	0	m	46	97	46	4	-	-	-	0	0	-
	Thorney Island	10	20.3	-6	-	0	z₀	41	97	41	6	-	-	-	0	0	-
	Lympne	283	21.4	-2	WNW	2	b₀	46	92	44	7	-	-	-	0	0	-
	Manston	154	19.8	-6	SW'S	1	b-bc	47	85	45	7	-	-	1	0	2-3	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	19.1	-14	W	1	z₀	53	75	47	6	-	-	-	0	0	-
	Gorleston	5	18.5	0	WSW	2	bc	53	75	47	7	5	-	-	4-6	4-6	2500
	Mildenhall	15	18.5	-4	SW'S	3	b	53	85	49	7	-	-	-	0	0	-
	Cranwell	203	17.3	-6	WSW	2	z₀	53	92	51	5	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	19.4	-2	SW	2	z₀	47	97	47	5	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	19.2	-12	WSW	3	b	54	92	52	8	1	-	-	1	1	4000
	Bristol	209	20.0	-6	SW	2	b	51	92	49	7	5	-	-	1	1	4000
	Portland Bill	32	19.9	-10	S	2	bc	58	85	54	8	5	-	-	4-6	4-6	4000
	Plymouth	86	20.7	-4	E'N	1	z₀	45	97	45	5	-	-	1	0	Tr	-
	The Lizard	240	20.6	-6	NNE	2	b-bc	51	92	49	8	4	-	-	2-3	2-3	3000
	Scilly (St. Mary's)	163	20.6	-6	-	0	b	50	97	49	8	-	-	-	0	0	-
	Guernsey	175															
6	Pembroke	142	19.9	-6	WSW	4	b-bc	56	97	55	8	-	4	-	0	2-3	-
7	Holyhead (Valley)	32	17.7	-4	W'N	2	b-bc	54	92	52	8	5	-	-	2-3	2-3	1600
	Chester (Sealand)	16	17.4	-6	SSW	1	z₀	54	85	48	6	5	7	-	2-3	2-3	3500
8	Manchester	230	17.4	-6	S'W	3	b₀	49	92	47	7	5	-	-	1	1	3000
10	Spurn Head	29	16.7	-6	SW	3	z₀	56	92	53	6	7	-	-	1	1	2500
	Catterick (Sc)	192	15.8	-4	WSW	1	bc	57	92	54	8	5	3	-	4-6	4-6	3000
	Tynemouth	108	14.5	-6	W	3	z₀	59	85	54	6	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	09.4	-6	SW	5	b-bc	57	75	51	7	4	-	-	2-3	2-3	4000
	Leuchars	36	08.4	-10	WSW	6	c-bc	56	85	53	9	5	7	8	2-3	7-8	4500
12	Renfrew (Abbots I.)	19	11.0	-6	WSW	5	r₀	55	97	55	6	5	2	-	7-8	10	1400
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	15.1	-8	WNW	4	b-bc	56	92	54	8	8	-	-	2-3	2-3	3000
13A	Tiree	44	11.5	+12	W'S	5	d₀d	53	97	53	5	6	2	-	9	10	400
13B	Stornoway	12	06.3	+16	W	4	bc°	50	85	46	7	8	-	-	4-6	4-6	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	06.5	+14	WSW	4	c-bc	59	75	51	9	5	7	-	2-3	7-8	3500
	Wick	114	04.8	+12	W	5	id₀	52	97	51	7	5	-	-	9	9	3400
16	Sumburgh	19	98.8	+8	W	7	bc	52	92	50	7	5	7	-	4-6	4-6	1200
17	Blacksod Point	18	16.6	0	W'S	3	d₀d₀	53	97	52	7	6	2	-	4-6	10	1500
18	Malin Head	84	13.1	-2	NW	5	id	54	92	52	8	5	-	-	9	9	800
	Aldergrove	268	15.0	-6	SW	3	id₀	54	97	53	6	5	-	-	10	10	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	19.2	-10	W'N	3	id₀	56	97	55	6	5	-	-	10	10	500
	Roches Point	22	18.9	-2	NNW	3	b-bc	53	85	49	8	5	-	-	2-3	2-3	2500

OBSERVATIONS at 7 hr. G.M.T. 24th September

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)	18.2	-8	SW'W	2	z₀	49	85	46	5	5	3	9	2-3	4-6	4000	0	*
Croydon	18.9	-10	S	2	z₀	47	92	45	6	-	4	2	0	4-6	-	0	*
S. Farnborough	18.2	-4	S'W	1	z₀	45	97	44	6	-	4	4	0	2-3	-	0	*
Boscombe Down	18.7	-2	-	0	bc/F	42	97	42	5	-	3	6	0	4-6	-	0	*
Thorney Island	18.5	-2	-	0	z₀	50	92	49	5	-	7	-	0	1	-	0	*
Lympne	18.7	-8	W	1	z₀	53	85	49	6	-	-	1	0	1	-	0	2
Manston	18.4	-4	SW	3	z₀	49	92	46	6	-	3	1	0	2-3	-	1	*
Shoeburyness	18.4	-4	WSW	2	z₀	52	85	47	5	-	7	1	0	2-3	-	1	*
Felixstowe	17.6	-4	W'S	3	z₀	51	85	47	5	-	3	-	0	9	-	0	2
Gorleston	16.8	-4	WSW	2	z₀	50	85	46	6	5	7	-	4-6	9	800	0	3
Mildenhall	16.7	-2	SW'W	3	c	51	92	49	7	-	7	-	0	9	-	0	*
Cranwell	15.5	-2	W'S	4	z₀	50	92	49	6	-	3	-	0	4-6	-	0	*
Birmingham	17.2	0	WSW	2	z₀	46	97	45	5	-	7	-	0	2-3	-	1	*
Upper Heyford	17.4	-6	W'S	2	z	49	97	49	5	5	7	-	9+	10	700	0	*
Ross-on-Wye	17.4	-4	S'E	1	fg	43	97	42	5	5	8	6	1	7-8	3500	1	*
Hartland Point	17.5	0	W	3	c-bc	55	85	50	8	5	-	5	4-6	7-8	2400	0	3
Bristol	18.1	-2	-	0	c-bc	51	92	49	7	5	4	6	Tr	7-8	1500	1	*
Portland Bill	18.1	-2	WSW	2	c-bc	58	85	52	8	2	-	-	7	7-8	4000	1	3
Plymouth	19.1	+2	-	0	b-bcf+	41	97	41	2	-	-	2	0	2-3	-	1	1
The Lizard	18.7	0	NNE	2	bc	49	92	47	8	7	-	-	4-6	4-6	3000	0	2
Scilly (St. Mary's)	18.7	-2	-	0	bc	50	92	48	8	5	-	4	4-6	4-6	1200	0	1
Guernsey																	
Pembroke	17.0	-8	W	3	c	57	97	56	8	5	-	-	9+	9+	2500	0	3
Holyhead (Valley)	16.2	0	WSW	2	c	55	85	51	9	7	3	6	4-6	9+	5000	1	2
Chester (Sealand)	15.7	0	-	0	c/r	54	92		7	5	7	-	7-8	10	2000	0	*
Manchester	15.8	-2	S'W	3	z₀	50	97	49	6	5	7	-	7-8	9+	2500	1	*
Spurn Head	15.1	0	SW'W	3	c	52	85	46	6	7	3	-	4-6	9	2500	1	1
Catterick (Sc)	13.3	-4	SSW	2	c-bc	56	92	53	8	5	7	1	4-6	7-8	2000	0	*
Tynemouth	13.2	+2	W	3	z₀	56	85	52	6	8	-	-	7-8	7-8	2400	0	2
St. Abbs Head	10.3	+16	WSW	3	c	54	75	46	8	5	4	-	7-8	9+	3000	0	3
Leuchars	09.1	+8	WSW	3	c-bc	51	85	46	9	5	3	2	4-6	7-8	4500	0	*
Renfrew (Abbots I.)	11.4	+6	SW	2	o	50	85	45	7	8	7	2	7-8	9+	2500	1	*
Eskdalemuir	11.9	+4	W'N	4	c	51	85	46	8	5	4	-	9	9+	1400	1	*
Point of Ayre	13.7	0	NW	3	c/r	53	97	52	7	8	-	-	10	10	1800	1	2
Tiree	12.0	0	W	6	i₀	51	92	48	7	5	7	-	9	9+	1500	1	4
Stornoway	06.5	-2	WSW	4	r°r	47	85	41	7	8	6	-	7-8	9	1600	1	3
Dalwhinnie		+2	WSW	3	c	46	75	39	8	5	-	-	9	9	2500	1	*
Aberdeen †	08.1	+14	W	2	c	52	75	42	8	5	4	8	7-8	9	3000	1	1
Wick	06.2	+8	W	3	pr	46	92	44	9	8	7	-	4-6	7-8	4000	1	*
Sumburgh	01.0	+8	WSW	7	c/pr	50	75	42	8	3	6	-	7-8	9	2000	1	4
Blacksod Point	17.5	+6	NW	3	c	52	75	50	8	8	-	-	9+	9+	1500	1	3
Malin Head	13.7	+4	NN'N	5	c	52	65	40	8	8	-	-	9	9	1500	2	4
Aldergrove	14.1	0	WNW	1	c/d	51	92	49	8	5	-	-	9	9+	2500	1	
Birr Castle	16.0	+2	N	1	c	52	92	50	7	5	-	-	10	10	1500	1	*
Valentia Obsy.	18.4	+2	N'W	4	o/r	54	92	52	6	5	-	-	10	10	1200	1	3
Roches Point	17.2	-6	N'W	3	c	52	85	47	8	5	7	5	4-6	9	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)	64	48	33	–	Tr	8.3
Croydon	66	46	43	–	–	9.6
S. Farnborough	67	41	31	–	–	10.5
Boscombe Down	64	38	37	–	Tr	10.6
Thorney Island	63	43	33	–	–	*
Lympne	*	46	34	–	Tr	10.6
Manston	63	45	41	–	–	9.3
Shoeburyness	67	49	41	–	–	8.1
Felixstowe	65	49	43	–	–	[illegible]
Gorleston	66	49	45	–	–	8.2
Mildenhall	67	48	46	–	Tr	8.4
Cranwell	68	49	47	–	–	7.9
Birmingham	64	46	37	–	Tr	4.6
Upper Heyford	64	47	41	–	–	*
Ross-on-Wye	66	41	37	–	–	5.2
Hartland Point	60	52	47	–	–	9.4
Bristol	64	49	36	–	–	7.7
Portland Bill	61	56	*	–	–	*
Plymouth	61	41	34	–	–	10.4
The Lizard	63	48	*	–	–	10.8
Scilly (St. Mary's)	61	49	*	–	10	10.6
Guernsey						
Pembroke	69	55	*	–	–	9.5
Holyhead (Valley)	61	51	41	0.1	–	*
Chester (Sealand)	67	51	41	–	Tr	1.4
Manchester	63	46	41	–	–	*
Spurn Head	63	51	*	–	–	1.8
Catterick (Sc)	62	49	48	–	–	0.6
Tynemouth	64	56	53	–	–	*
St. Abbs Head	62	53	*	–	–	
Leuchars	63	51	47	–	–	0.2
Renfrew (Abbots I.)	60	49	46	0.6	2	0.0
Eskdalemuir	59	50	48	0.5	4	0.0
Point of Ayre	62	53	*	–	3	1.1
Tiree	59	50	45	0.1	1	0.2
Stornoway	58	45	41	6	2	0.0
Dalwhinnie	58	45	40	Tr	3	0.1
Aberdeen †	66	52	43	Tr	–	0.2
Wick	61	46	41	Tr	9	*
Sumburgh	55	48	44	2	2	0.6
Blacksod Point	58	50	*	1	2	*
Malin Head	59	51		1	2	0.3
Aldergrove	60	50	48	Tr	3	0.1
Birr Castle	63	51	47	–	1	7.7
Valentia Obsy.	58	54	52	Tr	1	2.9
Roches Point	62	51	*	–	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 23rd Sept. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 24th Sept. $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
100	5-	61538	56768	51	62648	20668	5-	25643	56683	36	10745	24685
115	--	67109	53669	--	67109	53669	57	14737	95627	87	81834	91787
203												
206	57	89555	57687	46	02955	55686	50	61864	22564	5-	81755	55565
210	5·	02857	56528	54	01963	20524	50	01863	22413	5-	22844	22467
219	5-	02738	20658	62	62526	20668	5-	02643	25683	83	02854	25625
230	5-	51758	53328	5-	21835	22458	5-	02845	20365	5-	02857	26357
245	59	02952	22427	59	02852	21326	54	01851	55303	04	01990	20114
260	57	05636	53628				5-	08436	20526	53	05646	20526
278												
279	52	61636	22468	5-	61747	22467	53	05664	55455	57	02845	24457
285												
288	57	02854	18327	59	02752	52415	50	01854	17224	57	02854	18315
576	57	51644	22257	62	51625	24358	02	52628	18358	5-	02866	26126
301	57	02744	22527	53	02754	23426	54	02763	21414	57	02845	22457
321	59	05661	26126	52	05658	22228				54	05662	20214
290	54	01754	22213	54	01754	24214	50	01754	22314	54	22215	
292	59	02853	24427	54	02844	22226	57	05644	20115	57	02754	20226
310	--	01635	26315	--	02628	24328						
614	10	05653	25227	57	05654	22228	00	05690	24100	03	05690	24215
338	57	07844	18256	13	02842	18227	5-	01655	18205	57	61834	22127
334	--	02754	26215							--	03547	20228
340	57	02953	28125	54	02976	24327	50	01851	16211	54	02865	20315
136	00	01830	22414	00	01690	18324	04	05690	20112	57	05553	22314
336	13	01753	28315	13	01752	24814				53	01753	24315
350	04	02790	22316	07	05690	20224	00	05690	18100	53	05544	20216
368				04	01890	24224	50	01653	00003	53	02844	23115
370	00	05690	20425									
390	00	05590	22347	00	05690	22113	00	05590	00000	07	08490	18224
382				04	01790	24124	04	05690	18101	07	05690	00243
438				54	01763	24214						
430	00	05690	18225	04	05690	18114	00	05690	00003	04	49690	00013
409	10	01954	30115	10	01961	30114	04	01830	12101	54	01863	26114

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 24th September
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	cmm₀cy	cbcycz₀	cbcbm₀
Croydon	czybcz₀y	bcz₀ycz₀y	czybmbc
Greenwich	bcby	bbcy	bcbwm
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. 0·3, Time 7-9h 23rd. Min. 0·1, Time 0-6h 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	64	48	33	-	Tr	8.3	*	*
Croydon	66	46	43	-	-	9.6	*	*
Greenwich	68	45	33	-	-	9.9	38	63
Westminster	68	48	41	-			55	79
Regents Park	67	49	41	-	-		33	64
Camden Square	67	48	41	-	-	*	*	80
Kensington	68	48	36	-	-		69	71
Hampstead	66	46	40	-	-		*	7

SECRET

Page 1 BRITISH SECTION

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

Saturday 25th September 1943

No. 29892

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	16·0	-14	WSW	3	b-bc	63	55	45	7	1	3	8	Tr	2-3	4000
	Croydon	16·7	-18	SW	3	b-bc	67	55	50	7	5	—	1	Tr	2-3	4000
	S. Farnborough	16·3	-14	W	3	b-bc	66	45	44	7	1	3	1	Tr	2-3	3000
	Boscombe Down	17·1	-10	SSW	1	b-bc	65	55	48	8	—	4	2	0	2-3	—
	Thorney Island	16·9	-14	SSW	3	bc	65	65	51	9	1	—	4	1	4-6	2500
	Lympne	16·6	-16	SW	3	b	64	55	49	8	—	—	4	0	1	—
	Manston	16·4	-16	SW	3	b-bc	67	35	39	8	—	—	1	0	2-3	—
2	Shoeburyness	16·5	-18	SSW	3	zo	68	55	50	6	—	—	—	0	0	—
	Felixstowe	16·4	-10	SSW	3	b	68	55	52	7	—	7	—	0	1	—
	Gorleston	14·8	-18	NNW	2	c-bc	68	55	50	7	—	7	—	0	7-8	—
	Mildenhall	14·9	-16	W'S	3	bc	69	55	50	8	—	8	2	0	4-6	—
	Cranwell	13·9	-14	W'S	3	zo	61	75	53	6	5	3	—	7-8	9+	5000
3	Birmingham	15·3	-12	WSW	2	zo	59	85	55	6	5	7	—	9	9+	4000
	Upper Heyford	15·8	-16	SW'W	2	bc	65	55	50	7	1	4	2	1	4-6	2000
4	Ross-on-Wye	15·4	-12	W'S	3	c	64	65	53	8	5	3	—	7-8	9+	3500
5	Hartland Point	16·8	-8	W	3	c-bc	58	75	50	8	4	6	—	4-6	7-8	2500
	Bristol	16·5	-14	WSW	3	bc	63	55	47	8	1	—	8	1	4-6	2500
	Portland Bill	17·5	-8	W	2	bc	62	75	57	8	2	—	—	4-6	4-6	4000
	Plymouth	17·4	-14	SSW	3	b-bc	59	85	55	8	2	4	4	1	2-3	2500
	The Lizard	17·8	-10	SW	2	bc	62	65	51	8	1	4	—	2-3	4-6	4000
	Scilly (St. Mary's)	18·5	-4	W	2	c	61	65	49	8	7	4	—	7-8	9+	1800
	Guernsey															
6	Pembroke	17·0	-4	NW	3	c	57	97	56	9	2	7	—	4-6	9	2500
7	Holyhead (Valley)	16·3	+2	NW'N	4	c/d	53	92	51	6	6	2	—	10	10	2000
	Chester (Sealand)	15·5	-2	WNW	4	dodo	54	92	51	6	5	—	—	10	10	1000
8	Manchester	14·8	-6	SW'W	3	rr	56	92	54	6	6	2	—	7-8	10	1500
10	Spurn Head	14·3	-6	W'N	4	zo	60	75	51	6	7	7	—	7-8	9+	2500
	Catterick (Sc)	13·6	+6	NW	2	c	55	85	49	8	5	—	—	10	10	2300
	Tynemouth	13·7	0	W	3	c	57	65	46	7	8	—	—	9	9	2400
11	St. Abbs Head	10·6	-2	W	4	bc	55	55	40	7	1	4	—	4-6	4-6	3500
	Leuchars	10·1	-6	WSW	4	c-bc	57	55	40	8	7	3	—	4-6	7-8	3500
12	Renfrew (Abbots I.)	12·4	-2	W	4	c	54	75	44	7	8	1	6	7-8	9+	2000
	Eskdalemuir	12·6	0	WNW	4	c-bc	51	65	40	8	5	4	—	7-8	7-8	2400
	Point of Ayre	14·9	+4	WNW	5	b	57	65	45	8	7	3	—	1	1	4000
13A	Tiree	13·3	+4	WNW	4	pr	52	85	48	7	8	3	—	4-6	7-8	1500
13B	Stornoway	07·2	-2	WSW	5	cjp	50	65	40	8	9	6	—	7-8	9	1500
15	Dalwhinnie	10·0	0	WSW	3	pr	45	85	40	8	5	9	—	7-8	9+	1500
	Aberdeen	08·7	-4	WNW	4	c	57	55	40	9	7	3	6	7-8	9	2500
	Wick	06·6	+2	W	4	pr	46	97	45	8	9	6	3	7-8	9+	1500
16	Sumburgh	01·4	+2	W	7	pr	47	75	40	8	8	—	1	7-8	7-8	2000
17	Blacksod Point	19·6	+4	NW'N	4	c	56	65	45	8	5	—	—	9+	9+	1500
18	Malin Head	15·2	+2	NW'W	4	pr	51	75	44	8	8	—	—	7-8	7-8	1500
	Aldergrove	16·2	0	W	3	c	54	65	42	8	5	7	—	2-3	9+	2500
19	Birr Castle	18·2	+6	NNW	2	c	54	65	43	8	5	2	—	7-8	10	2500
20	Valentia Obsy.	20·1	+6	N	5	c	57	55	41	8	5	—	—	9	9	4000
	Roches Point	17·9	+2	N'W	4	bc	58	75	50	8	5	—	—	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 24th September — 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. 24th (39)	Weather 13h.–18h. 24th (40)	Weather 18h. 24th–1h. 25th (41)	Weather 1h.–7h. 25th (42)
London (Kew)	14·2	-6	W'S	2	zo	61	45	41	6	5	3	8	2-3	4-6	4000	0	*	bzowbcy	bcbczoy	bcrromo	cromo
Croydon	15·3	-6	S	2	bc	61	65	49	6	1	4	2	1	4-6	6000	0	*	bcmobbcy	bcy cybcz	bcmocmoroıo	cmorrcmo
S. Farnborough	14·3	-8	WSW	2	bc	61	55	45	7	5	4	4	1	4-6	4000	0	*	bcbmozobby	bcy	bcycmorroc	crocmo
Boscombe Down	15·6	-6	WNW	2	c	59	75	51	8	5	—	2	2-3	9	4000	0	*	bcmobmobbcy	bcybc	crorоc	crorobc
Thorney Island	15·5	-6	SW'W	2	cbc	59	75	52	7	—	—	4	0	7-8	—	0	*	bwbc	bcc	bccmo ido	cmororoc
Lympne	15·1	-6	WSW	1	bc	65	85	51	8	—	4	8	0	4-6	—	0	§ 2	bcmob	bybc	bcwcmo	cmom rrm
Manston	14·7	-4	SSW	3	cbc	59	75	50	8	—	3	9	0	7-8	—	0	*	bcmowby	bcycv	bccmo	cmoiroroo
Shoeburyness	14·3	-10	SW	3	bc	61	55	47	8	—	4	5	0	4-6	—	0	*	bcmobzo	bzobcy	bccrr	crrproc
Felixstowe	14·0	+10	SW'S	3	zo	62	65	51	6	—	—	2	0	4-6	—	0	3	bzobby	byzobczo	cmo	cmo
Gorleston	12·9	-6	W	1	cbc	65	55	59	7	5	—	—	7-8	7-8	2500	0	2	bczocy	cy	cproоro	oroc
Mildenhall	13·2	-6	WNW	2	c	62	65	51	8	5	—	—	9+	9+	7000	0	*	cmobcmobc	bcy cyc	cororomo	ororomocmo
Cranwell	13·6	-2	NW	3	ido	55	92	52	6	5	—	—	10	10	2000	0	*	cmo	cmocidom	cmobmo	bcmo
Birmingham	14·9	-2	NW	3	c	53	85	49	6	6	2	—	9+	10	800	1	*	bccz	co	oiroc	cbz
Upper Heyford	14·4	-6	W'N	2	c	58	85	52	7	5	2	—	7-8	10	1800	0	*	cmoc	bcyc	ciromo	cmobccbc
Ross-on-Wye	14·8	-6	SW'W	2	c	57	85	52	6	5	7	—	7-8	9+	2000	1	*	bcc	c	croc	cbw
Hartland Point	15·6	-4	NW	3	c	57	85	54	8	8	6	—	7-8	9+	1500	0	3	cbc	bcc	brorobo	cbc
Bristol	15·7	-2	W	2	c/d	57	85	52	6	5	9	—	1	9+	2500	1	*	bccwcbc	bcccido	cmoiroroiro	cmobmodocmo
Portland Bill	16·2	-6	W'N	3	cbc	58	85	53	7	5	3	2	4-6	7-8	3000	0	3	c	c	corr	c
Plymouth	16·2	-6	W'N	3	cbc	68	85	53	7	5	3	2	4-6	7-8	3000	0	2	bcfifb	bbc	crrc	c
The Lizard	16·9	-4	NW	3	pr	56	92	54	8	5	—	—	9+	9+	1500	0	2	bc	bcpro	cproc	cbcc
Scilly (St. Mary's)	17·3	-2	N	3	c	57	92	54	8	5	7	—	7-8	9+	1000	0	2	bcc	cbcc	ciroc	c
Guernsey																					
Pembroke	17·0	0	NE	3	c	52	97	52	8	8	—	—	10	10	2000	1	2	c	roromoc	cbc	bc
Holyhead (Valley)	16·4	+2	NW'W	3	c	53	65	48	8	8	3	2	7-8	9	3000	1	2	cidoromo	c	cbcpro	bcpro bc
Chester (Sealand)	15·2	-2	NW	3	c	53	75	44	8	5	7	—	7-8	10	1500	1	*	crrdodo	cdodopro	c	bcpromo
Manchester	14·6	0	W'N	2	zo	51	85	47	6	5	7	—	4-6	9+	2000	1	*	crrrmo	rrdodoir	cbcmoido	bcbmopro
Spurn Head	13·2	-4	WNW	4	roro	56	92	53	6	5	2	—	9	10	1500	1	3	cmo	cmo roro	bcmo	bc
Catterick (Sc)	13·2	+2	NW	2	cbc	53	75	44	8	8	3	9	4-6	7-8	3000	0	*	c	c	cbcb	bbcb
Tynemouth	13·0	-2	WSW	3	zo	54	65	43	6	2	3	1	4-6	7-8	2400	0	2	cmoc	cbcmo	bcmob	b
St. Abbs Head	09·8	-2	W	4	cbc	51	65	40	7	4	4	—	4-6	7-8	2500	0	4	cmobc	bccbc	bmo	b
Leuchars	09·8	-2	WSW	4	c-bc	51	65	38	8	1	4	9	1	7-8	4000	0	*	cbcycy	cyc	bcbbw	b
Renfrew (Abbots I.)	11·9	-2	W	4	cbc	49	85	43	8	8	7	6	7-8	7-8	2400	1	*	cproc	c	cprobcb	cbc
Eskdalemuir	12·5	0	W'S	3	bc	47	75	38	8	7	3	—	4-6	4-6	2500	1	*	cvc	cprobc	bcprc	cbc
Point of Ayre	14·6	-2	N'W	5	bc	53	75	47	8	3	6	3	2-3	4-6	2000	0	4	cb	cpro	bcb	bprob
Tiree	13·0	-2	W'N	6	bc	48	92	46	8	3	6	—	2-3	4-6	2500	1	5	ciroc	cprobc	probcpro	bproc
Stornoway	06·8	-2	W	7	c/ph(r)	46	85	41	8	9	6	3	7-8	9	1500	1	5	cprc	cprhpR	cprbcproc	cpro
Dalwhinnie	09·0	-2	WSW	3	pr	41	85	36	8	5	—	—	9+	9+	1500	1	*	cpr	cprc		cbcprc
Aberdeen	08·5	-2	W	3	bc	50	65	39	8	8	4	1	2-3	4-6	2500	1	1	cy	cybc	bcb	bw
Wick	06·9	+2	WSW	5	bc	43	92	41	8	3	7	—	4-6	4-6	1500	0	*	proproPR	cjpprbcc	bcprobcb	bcpro bc
Sumburgh	00·3	-10	WSW	7	cbc/pr	47	75	39	8	3	6	3	4-6	7-8	2000	1	4	bcprhprf	cpro	cpro	bccpro
Blacksod Point	19·8	+2	WNW	4	c	52	65	41	8	5	4	—	7-8	9	1500	1	3	c	c	bc	pr
Malin Head	14·8	-6	W'N	6	pr	49	65	38	8	8	—	—	7-8	7-8	1500	2	5	pr	pr	pr	pr
Aldergrove	16·0	+2	W	4	cbc	50	75	42	8	5	7	—	4-6	7-8	4000	1	*	czoc	cciro cbc	cidobcb	bbc
Birr Castle	18·2	0	NNW	2	bc	53	65	42	8	6	—	8	2-3	4-6	2500	1	*	c	bc		bc
Valentia Obsy.	21·1	+6	N	4	c	54	65	43	8	5	—	—	9	9	3500	1	4	r	bc	pr	pr
Roches Point	18·8	+6	N	4	c	55	75	48	8	5	—	5	4-6	7-8	2500	1	3	d	c	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 25th September, 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 light northwest wind; fair inland but showers near coasts; cold; ground frost at night.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light or moderate northwest winds fresh locally on coasts; bright intervals; showers; local hail and thunder; cold; ground frost at night.
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

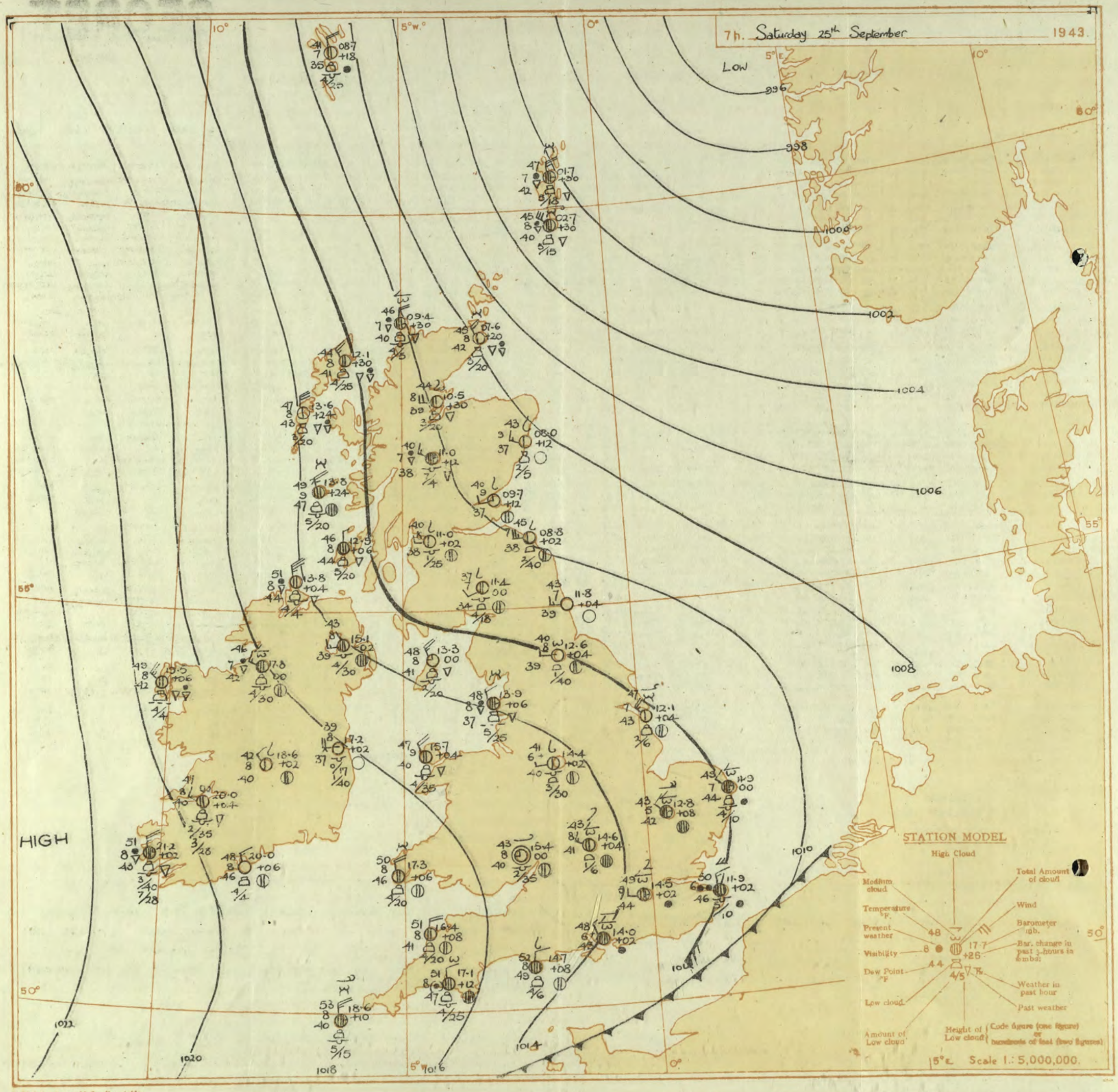
A depression over the Norwegian Sea is moving east and a wedge of high pressure west of Ireland is moving east. Weather will be showery in the North. In the South weather will be fair inland but there will be showers near coasts. It will be cold generally with ground frost at night.

FURTHER OUTLOOK

Mainly fair at first but rain later 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



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.

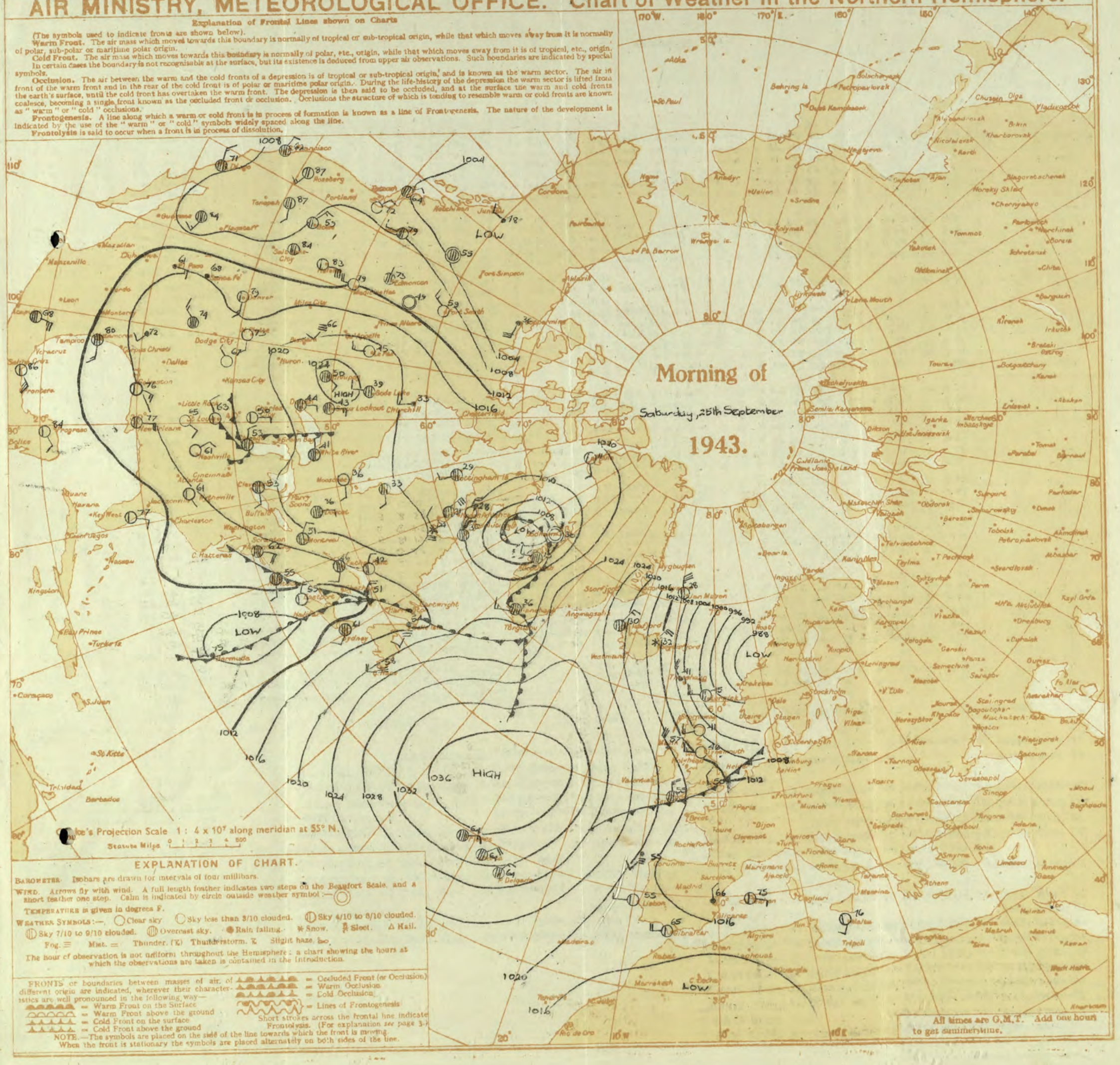
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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 summertime.

BRITISH SECTION

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

Saturday 25th September 1943

No. 28892.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon	290	14·8	+2	NNW	2	rr	50	92	49	5	5	–	–	10	10	1100
	S. Farnborough	226	14·2	+2	NNW	1	c/r	50	85	46	7	5	7	–	7-8	10	1400
	Boscombe Down	417	15·3	+6	N'W	2	r₀r₀	48	97	47	7	5	–	–	10	10	3300
	Thorney Island	10	14·0	–12	N'W	4	i₀₀	53	92	50	6	–	2	–	10	10	1200
	Lympne	283	12·7	–18	SW	2	z₀	50	92	48	6	5	3	2	2-3	7-8	3500
	Manston	154	12·3	–14	WNW	2	z₀	54	85	50	5	–	1	–	0	10	—
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	12·5	–4	NNW	1	z₀	53	92	52	6	5	7	–	4-6	10	4000
	Gorleston	5	12·3	0	NW'W	3	r₀r₀	51	97	50	5	6	–	–	10	10	800
	Mildenhall	15	12·8	–4	NW'W	2	r₀r₀	50	97	50	6	–	2	–	0	10	—
	Cranwell	203	13·4	–4	WNW	2	z₀	46	92	44	6	5	–	–	2-3	2-3	1500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	14·3	–4	NW	1	o/r	49	92	47	6	5	–	–	10	10	4200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16·0	–4	N	4	bc	54	75	44	8	2	–	–	4-6	4-6	2500
	Bristol	209	15·9	–2	NW	2	c/r	48	92	46	6	5	3	6	1	7-8	1000
	Portland Bill	32	14·3	+4	WNW	3	rr	58	92	56	7	5	–	–	10	10	2500
	Plymouth	86	16·0	–2	N'E	3	bc	51	92	50	7	5	7	–	4-6	4-6	2000
	The Lizard	240	16·7	+2	NW	3	c	51	92	49	7	5	–	–	9+	9+	1000
	Scilly (St. Mary's)	163	18·0	0	N	5	c-bc	55	65	43	8	8	–	–	4-6	7-8	1500
	Guernsey	175															
6	Pembroke	142	17·2	+2	N'W	4	bc	50	85	46	8	8	–	–	4-6	4-6	1500
7	Holyhead (Valley)	32	16·3	–2	NW'N	5	bc	49	75	40	8	8	–	–	4-6	4-6	4700
	Chester (Sealand)	16	14·8	–4	NW'W	3	z₀	49	75	41	6	9	–	–	Tr	Tr	2500
8	Manchester	230	14·3	–6	W'S	1	z₀	46	92	44	6	5	3	–	2-3	4-6	3000
10	Spurn Head	29	12·6	–6	NW'W	4	bc	51	92	48	7	7	4	–	2-3	4-6	2500
	Catterick (Sc)	192	13·1	–4	W	2	b-bc	41	92	39	8	5	–	–	2-3	2-3	4000
	Tynemouth	108	12·6	–6	W	3	b	46	85	41	7	–	–	–	0	0	—
11	St. Abbs Head	280	09·6	–8	W	5	b	45	75	35	7	5	–	–	Tr	Tr	4000
	Leuchars	36	09·6	–6	WSW	2	b	40	85	36	8	–	–	–	0	0	—
12	Renfrew (Abbots I.)	19	11·5	–4	SSW	2	b	41	85	38	7	8	–	–	1	1	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	13·7	–10	NW'N	6	b	50	75	42	8	5	–	–	1	1	2000
13A	Tiree	44	11·8	–10	NW'W	6	b/pr	47	92	44	8	–	–	–	0	0	—
13B	Stornoway	12	06·5	+6	NW	3	b-bc/pr	43	92	42	8	3	–	–	2-3	2-3	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	07·5	–10	WSW	3	b	41	75	33	9	–	–	–	0	0	—
	Wick	114	04·8	+8	W'S	5	b-bc	41	87	41	8	3	–	–	2-3	2-3	2000
16	Sumburgh	19	98·9	–2	WSW	6	bc/pr	48	75	39	8	3	–	–	4-6	4-6	1500
17	Blacksod Point	18	13·7	–2	WNW	5	b-bc	48	75	40	8	5	–	–	2-3	2-3	2500
18	Malin Head	84	14·2	–6	NW'W	6	pr	47	85	43	8	8	–	–	9	9	1500
	Aldergrove	268	15·5	–6	WNW	3	b	45	85	39	7	5	–	–	1	1	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21·4	–10	NNW	4	b-bc	53	65	42	8	1	–	–	2-3	2-3	2500
	Roches Point	22	20·0	–6	N	4	b	49	85	45	8	5	–	–	1	1	2500

OBSERVATIONS at 7 hr. G.M.T. 25th September — 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 24th Hrs. (38)
London (Kew)	13·7	+4	NNW	1	z₀	48	85	45	6	5	1	8	4-6	9	4000	1	*	65	48	39	–	3	10·3
Croydon	14·5	+2	WNW	2	z₀	49	85	44	5	–	7	6	0	9	—	1	*	69	49	46	–	Tr	10·0
S. Farnborough	14·0	+6	NNW	2	z₀	47	92	45	6	5	7	8	4-6	9	3000	1	*	68	46	39	–	3	5·7
Boscombe Down	15·0	+2	NW'N	2	c-bc	45	92	43	8	–	3	8	0	7-8	—	1	*	65	44	43	–	2	10·2
Thorney Island	14·0	+2	NW	1	z₀	48	85	45	6	–	7	8	0	10	—	1	*	65	47	41	–	0·4	*
Lympne	12·4	+2	WSW	2	m/r	48	97	47	4	5	2	–	4-6	10	1000	1	§2	*	47	38	–	3	10·4
Manston	11·9	+2	N'W	3	r₀r₀	50	85	46	6	5	2	–	7-8	10	1000	1	*	67	49	47	–	2	10·5
Shoeburyness	13·7	–2	NW	2	z₀	48	92	45	5	5	–	–	9+	9+	2500	1	*	69	47	45	–	4	9·4
Felixstowe	12·3	+6	NW	3	z₀	49	92	47	6	5	2	–	4-6	10	5700	1	2	69	48	47	–	1	[illegible]
Gorleston	11·9	0	NW'W	2	c	49	85	44	7	8	7	–	4-6	9+	1000	1	2	68	48	47	–	5	6·0
Mildenhall	12·8	+8	NW'W	2	z₀	43	97	42	5	–	7	2	0	9	—	1	*	69	42	36	–	1	6·0
Cranwell	12·7	0	NW'W	2	z₀	44	92	41	6	5	7	5	Tr	4-6	4000	0	*	63	41	36	Tr	2	0·9
Birmingham	14·3	0	WNW	3	z₀	44	85	40	6	5	–	–	Tr	Tr	2500	1	*	60	44	38	–	0·6	1·6
Upper Heyford	14·6	+4	WNW	3	bc	43	92	41	8	1	7	4	Tr	4-6	4000	1	*	66	42	37	–	0·6	*
Ross-on-Wye	15·4	0	—	0	b	43	92	40	8	5	–	1	1	1	3500	1	*	64	42	35	–	3	3·1
Hartland Point	16·4	+8	N	4	bc	51	75	41	8	2	–	–	4-6	4-6	2000	0	4	59	51	49	–	0·5	4·9
Bristol	15·9	+6	NW	2	b-bc	43	92	41	7	–	4	1	0	2-3	—	1	*	64	42	35	Tr	0·4	8·0
Portland Bill	14·7	+8	N	2	c	52	85	49	8	2	4	–	4-6	10	4000	1	4	62	50	*	–	1	*
Plymouth	17·1	+12	N'W	2	c-bc jp	51	85	47	8	8	3	–	4-6	7-8	2500	1	1	61	49	41	–	Tr	8·9
The Lizard	17·6	+10	N	3	c-bc	48	75	41	8	8	6	–	7-8	7-8	2000	0	3	63	46	*	Tr	0·5	9·4
Scilly (St. Mary's)	18·6	+10	N'W	5	c	53	65	40	8	8	6	2	7-8	9	1500	0	4	62	52	*	–	0·3	7·5
Guernsey																							
Pembroke	17·3	+6	NNW	3	bc	50	85	46	8	2	6	–	4-6	4-6	2000	0	3	59	48	*	2	–	0·1
Holyhead (Valley)	15·7	+4	NW	4	bc	47	75	40	9	8	–	–	4-6	4-6	3500	1	2	57	46	42	1	Tr	*
Chester (Sealand)	14·6	+6	NW	4	bc/pr	47	75	40	8	2	–	–	4-6	4-6	2500	1	*	57	47	47	9	0·3	0·0
Manchester	14·3	+6	W'S	2	bc/pr	43	92	41	6	2	6	–	4-6	4-6	3000	1	*	56	41	33	3	Tr	*
Spurn Head	12·1	+4	WNW	5	b-bc	47	85	43	7	2	6	8	1	2-3	4000	0	3	62	46	*	Tr	1	1·4
Catterick (Sc)	12·6	+4	W	1	b	40	97	39	8	1	3	–	Tr	Tr	4000	0	*	58	38	31	–	—	0·0
Tynemouth	11·8	+4	W	3	b	43	85	39	7	–	–	–	0	0	—	0	2	59	42	37	–	—	*
St. Abbs Head	08·8	+2	W	5	b-bc	45	75	38	7	1	4	–	1	2-3	4000	0	4	55	45	*	–	—	*
Leuchars	09·7	+12	WSW	2	b	40	85	37	9	–	4	–	0	1	—	0	*	61	38	31	–	–	6·4
Renfrew (Abbots I.)	11·0	+2	W	2	b-bc	40	92	38	8	5	4	–	Tr	2-3	2500	1	*	57	40	31	0·1	0·2	2·1
Eskdalemuir	11·4	0	SW	2	bc	37	85	34	3	7	4	–	4-6	4-6	1800	1	*	46	37	25	Tr	Tr	2·0
Point of Ayre	13·3	0	NW'N	5	b	48	75	41	8	8	–	–	1	1	2000	0	4	51	47	*	Tr	Tr	3·1
Tiree	13·8	+24	NW'N	5	c-bc	49	92	47	9	8	6	–	7-8	7-8	2000	1	3	54	43	39	0·3	3	
Stornoway	12·1	+30	NW	5	bc/pr	44	92	41	8	2	–	–	4-6	4-6	2500	1		52	41	39	1	3	2·8
Dalwhinnie	11·0	+12	WNW	3	pr	40	92	38	7	5	–	–	9+	9+	1500	1	*	46	38	22	2	2	3·2
Aberdeen †	08·0	+12	WNW	3	b-bc	43	75	37	9	3	4	–	1	2-3	2500	1	1	58	40	34	–	–	5·0
Wick	07·6	+22	NW	4	b-bc/pr	45	92	42	8	3	6	–	2-3	2-3	2000	1	*	52	41	37	0·5	2	*
Sumburgh	02·7	+30	NW'W	6	pr	45	85	40	8	3	6	3	7-8	7-8	1500	1	4	51	45	41	3	2	4·9
Blacksod Point	13·5	+6	NW	5	bc/pr	49	75	41	8	9	–	–	4-6	4-6	1500	1	4	57	45	*	–	1	*
Malin Head	13·8	+4	NW'N	7	pr	51	75	43	8	8	–	–	4-6	4-6	1500	2	6	57	47		0·3	1	1·7
Aldergrove	15·1	–2	WSW	3	c-bc	43	85	39	8	5	–	–	4-6	7-8	3000	1	*	54	41	36	Tr	0·2	1·2
Birr Castle	18·6	+2	NW	2	b-bc	42	92	40	8	–	4	–	0	2-3	—	1	*	56	42	37	–	—	0·7
Valentia Obsy.	21·2	+2	N'W	5	pr	51	75	43	8	8	–	–	9+	9+	2800	1	4	58	49	44	0·2	0·6	2·8
Roches Point	20·0	+6	NNW	3	bc	48	92	46	8	3	–	–	4-6	4-6	1500	1	3	59	47		0·2	—	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 24th Sept. $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 25th Sept. $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	87	81655	56888	36	25854	56685	8-	01753	25413	87	25755	28685
115	83	81844	91786				84	14854	99784	87	81754	32486
203												
206	36	81755	27686	36	10854	28584	3-	82754	20584	20	01853	24484
210	57	02865	57427	83	01952	22484	00	00990	22580	5-	25847	25687
219	86	25855	24686	86	01854	26714	20	25852	27782			
280	8-	02857	26487	86	02954	24384	80	25953	59488	30	01954	26384
245				44	01951	22213	00	00890	22300	56	01951	24201
280	7-	05664	55715	5-	05643	20424	00	05690	20210	00	05690	20310
276												
279	57	02855	26225	84	81855	26426	50	01862	63482	20	01853	24303
285	27	02744	24527							13	01742	28413
288	59	61865	23368	57	02863	24226	00	00790	22210	00	00890	17200
576	52	02755	27227	44	01864	28314	3-	25755	28385	87	81764	27315
301	52	61635	29358	54	02755	27327	2-	01764	27514	96	81855	28486
321	57	05665	24328	51	22555	25268	50	05664	26214	54	05662	26263
299	5-	81648	22388	5-	02747	00027	00	00790	24200	84	01753	24313
292	5-	21858	20259	57	02855	20167	04	01790	24212	24	01961	24202
310	--	02128	20328	--	51628	24358				--	81625	26315
614	77	05554	25227	52	62444	26258	5-	05554	00025	54	08462	24113

III	13h. G.M.T. 24th Sept. $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 25th Sept. $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
338	52	52525	28358	53	02763	30357	10	01753	24313			
334	--	25647	26188	--	03647	26128				--	02643	00014
340	57	02854	28227	52	22754	30268	5-	01763	26283	83	02854	28214
136	09	02790	22326	5-	05516	26266	5-	22688	28268	04	05690	24314
336	57	02255	24328	52	05656	28328				52	25754	28386
350	03	01790	24214	57	02754	24118	5-	62558	24168	04	05690	25164
368	53	01854	23214	53	36857	02745	57	01753	25114	07	01890	26214
379				57	52663	22268	5-	05665	32465	54	01762	26X13
390	07	03890	20313	07	05690	20214	5-	62648	28368	57	05555	28226
382	13	01751	21313	57	02864	25328	5-	22668	28168	24	01851	29324
438	14	01763	22214							52	22666	32468
430	10	01761	22214	00	05690	20216	5-	02768	55528	07	05690	27265
409	50	02955	24315	57	02945	29128	5-	05647	31468	27	01954	63424

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 25th September 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	bz₀bcy	bcbcz₀y	bcr₀om₀
Croydon	bcm₀bbcy	bcycbcz₀	om₀rcm₀
Greenwich	by	bbcy	bcr r₀bc
Camden Square	b	b	*
Kensington	bczbc	bc	*
Hampstead	bc	bcor	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. Time 0·3 18-20h 24th. Min. Time <0·1 12-17h 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	65	48	39	–	3	10·3	*	*
Croydon	69	49	46	–	Tr	10·0	*	*
Greenwich	71	48	40	–	5	9·6	42	73
Westminster	69	49	45	3			53	85
Regents Park	68	47	43	–	3		47	73
Camden Square	69	47	*	–	3	*	*	70
Kensington	69	48	40	–	3		56	73
Hampstead	68	44	42	–	3		*	77

BRITISH SECTION

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

SECRET

Sunday 26th September 1943

No. 29893

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

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)	12.6	-10	N'W	2	c-bc	56	66	38	7	8	7	-	7-8	7-8	2500
	Croydon ...	13.4	-8	NNW	4	c-bc	56	45	34	7	2	-	1	7-8	7-8	2500
	S. Farnborough	12.9	-10	NNW	3	c-bc	56	55	39	8	2	-	5	7-8	7-8	2500
	Boscombe Down	13.9	-14	NNW	2	bc	55	55	39	8	2	-	-	4-6	4-6	2500
	Thorney Island	13.7	-6	NN'W	3	bc	56	55	40	8	2	6	3	4-6	4-6	2500
	Lympne ...	12.0	-10	N	2	c-bc	56	55	41	7	2	-	1	7-8	7-8	2000
	Manston ...	11.4	-6	N'W	4	bc	55	55	40	8	2	-	5	4-6	4-6	3300
2	Shoeburyness ...	12.6	-6	NW	2	bc	56	65	43	7	8	7	-	4-6	4-6	4000
	Felixstowe ...	11.7	-10	NW	5	c-bc	57	55	40	7	8	5	2	2-3	7-8	4000
	Gorleston ...	11.0	-8	NW'W	3	c-bc	53	55	36	7	2	7	-	4-6	7-8	2500
	Mildenhall ...	12.2	-4	N'W	3	bc	54	65	41	8	1	-	2	4-6	4-6	2500
	Cranwell ...	12.0	-6	WNW	3	z_0	56	55	39	6	2	-	-	4-6	4-6	2000
3	Birmingham ...	13.0	-2	NW	2	z_0	52	35	27	6	8	7	-	7-8	9	2500
	Upper Heyford	13.3	-6	NW'W	3	c-bc	52	55	36	8	2	-	-	7-8	7-8	3500
4	Ross-on-Wye	14.2	-10	NW	3	bc	55	45	36	8	2	-	-	4-6	4-6	4000
5	Hartland Point	16.0	-4	NW	4	bc	52	65	40	8	2	-	-	4-6	4-6	2200
	Bristol ...	14.7	-6	NNW	3	c/pr	49	75	42	8	9	6	-	7-8	9+	2500
	Portland Bill ...	14.7	-6	NW	3	c-bc	59	75	47	8	2	-	-	7-8	7-8	4000
	Plymouth ...	16.3	-6	N'W	4	bc/pr	55	75	46	9	2	6	-	4-6	4-6	3000
	The Lizard ...	17.3	-6	NW	6	bc/pr	53	65	42	8	8	6	-	7-8	7-8	1500
	Scilly (St. Mary's)	18.8	-4	N'W	5	c-bc	57	55	40	8	8	6	-	7-8	7-8	1800
	Guernsey ...															
6	Pembroke ...	16.9	-4	NNW	4	bcq	53	65	40	8	2	-	-	4-6	4-6	2000
7	Holyhead (Valley)	14.6	-8	WNW	5	pr	53	75	45	8	2	6	-	7-8	9	2300
	Chester (Sealand)	13.6	-6	WNW	3	c-bc/pr	53	65	43	8	3	-	-	7-8	7-8	2000
8	Manchester ...	13.3	-6	NN'W	4	PR	53	55	39	6	3	6	-	7-8	9+	2000
10	Spurn Head ...	12.4	+4	NW	5	bc	54	55	38	8	2	6	4	2-3	4-6	4000
	Catterick (Sc) ...	12.3	+2	NNW	3	bc	55	75	44	9	7	-	-	4-6	4-6	3500
	Tynemouth ...	12.3	0	N	4	c-bc	51	75	42	8	8	-	-	7-8	7-8	1600
11	St. Abbs Head	10.7	+8	NW	4	c-bc	51	65	39	8	5	6	-	4-6	7-8	3000
	Leuchars ...	11.8	+6	NW	2	c/p	53	55	36	8	8	-	-	9	9	3000
12	Renfrew (Abbots I.)	12.3	0	NW'W	4	c-bc	54	65	42	9	8	-	-	7-8	7-8	2000
	Eskdalemuir ...	11.4	+4	NNW	3	bc	52	55	34	8	8	4	-	4-6	4-6	2100
	Point of Ayre ...	13.0	-2	N	5	b-bc	56	85	53	8	2	-	-	2-3	2-3	3000
13A	Tiree ...	15.7	+6	N	6	c-bc	52	75	46	9	2	-	1	4-6	7-8	2500
13B	Stornoway ...	14.0	+10	NNW	6	pr	49	65	37	8	3	6	3	7-8	7-8	2000
15	Dalwhinnie ...	13.0	+6	N	3	bc/pr	45	85	42	8	8	-	-	4-6	4-6	2500
	Aberdeen ...	10.8	+12	NW	4	c-bc/pr	50	75	40	9	3	4	-	4-6	7-8	2500
	Wick ...	11.0	+10	NW	4	bc	48	92	45	9	9	-	3	4-6	4-6	1000
16	Sumburgh ...	07.4	+22	N'W	5	bc/ps	46	85	41	9	3	6	3	2-3	4-6	1500
17	Blacksod Point	13.9	-2	NW'W	5	c	53	65	42	8	8	3	-	4-6	9+	1500
18	Malin Head ...	16.0	+6	N	6	pr	51	65	40	8	8	-	-	7-8	7-8	1500
	Aldergrove ...	15.5	+6	W'N	3	pr	50	85	45	9	3	4	-	4-6	7-8	2000
19	Birr Castle ...	18.0	-6	NW	2	c	51	85	47	8	8	7	-	7-8	9	1500
20	Valentia Obsy.	21.3	-2	N'W	4	c	54	55	39	8	5	1	-	4-6	10	4000
	Roches Point	19.0	-10	N	4	bc	56	65	45	8	2	3	5	2-3	4-6	2500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	12.1	-6	NW'W	2	z_0	52	55	38	6	5	3	-	4-6	4-6	4000	1	*
	Croydon ...	12.9	-2	W'N	2	z_0	51	55	37	5	5	-	-	2-3	2-3	3500	0	*
	S. Farnborough	12.3	-6	NNW	2	b-bc	52	65	39	7	8	5	-	1	2-3	4000	0	*
	Boscombe Down	13.6	0	NW'N	2	bc	49	65	39	8	2	6	-	1	4-6	3000	0	*
	Thorney Island	12.7	+6	NW	1	b-bc	52	65	44	9	2	6	-	Tr	2-3	2500	0	*
	Lympne ...	11.8	-2	NNW	2	z_0	49	75	40	6	-	4	3	0	7-8	-	0	2
	Manston ...	10.8	-6	N'W	3	c-bc	52	65	39	8	2	3	2	4-6	7-8	3500	0	*
2	Shoeburyness ...	11.9	-2	NNW	1	z_0	49	75	42	6	4	-	6	2-3	2-3	7200	1	*
	Felixstowe ...	11.0	-6	NNW	3	bc	53	55	38	7	-	7	2	0	4-6	-	0	2
	Gorleston ...	10.6	0	N'W	3	bc	52	65	40	7	5	7	-	2-3	4-6	2500	0	2
	Mildenhall ...	10.9	-6	WNW	2	z_0	50	75	42	6	8	6	2	4-6	7-8	2500	0	*
	Cranwell ...	11.4	+2	NW	2	pr	50	75	43	6	2	6	-	7-8	9	2000	1	*
3	Birmingham ...	12.6	-2	WNW	2	z_0	48	65	37	6	5	-	-	4-6	4-6	4000	1	*
	Upper Heyford	12.3	-4	NW	3	c	50	65	39	8	5	-	-	9	9	6000	0	*
4	Ross-on-Wye	12.1	-4	W'N	3	c-bc	51	65	40	8	8	-	1	7-8	7-8	3000	1	*
5	Hartland Point	15.0	-8	NW	4	pr	52	75	43	8	3	6	-	7-8	9	2000	1	4
	Bristol ...	13.7	-6	WNW	2	z_0	50	75	41	6	4	3	-	2-3	4-6	2500	0	*
	Portland Bill ...	14.3	-2	NW	3	c-bc	54	75	46	8	5	-	-	7-8	7-8	4000	1	3
	Plymouth ...	15.7	-2	NW'N	3	bc	52	75	44	7	3	4	3	1	4-6	2000	0	2
	The Lizard ...	16.9	-2	NW	5	c-bc/pr	50	75	42	8	8	3	2	4-6	7-8	2000	1	4
	Scilly (St. Mary's)	18.3	-2	NNW	4	c	53	65	40	8	8	7	-	4-6	9+	1500	0	4
	Guernsey ...																	
6	Pembroke ...	15.3	-4	N'W	5	if$_0$	48	85	43	8	8	-	-	9+	9+	2000	1	3
7	Holyhead (Valley)	14.0	-6	N	5	c/pr	51	75	44	8	8	6	2	4-6	9	1500	1	4
	Chester (Sealand)	12.5	-4	NNW	2	bc	50	85	43	8	1	6	-	2-3	4-6	3000	1	*
8	Manchester ...	12.3	-2	SE	2	z_0	48	85	43	6	2	6	-	4-6	4-6	2500	1	*
10	Spurn Head ...	11.6	0	N'W	3	bc	52	65	38	8	2	-	-	4-6	4-6	2500	0	3
	Catterick (Sc) ...	12.4	0	NNE	1	c	49	85	45	7	5	7	-	7-8	9	3000	0	*
	Tynemouth ...	12.6	+12	N	3	c-bc	51	75	43	8	2	-	8	7-8	7-8	2500	1	3
11	St. Abbs Head	11.4	0	N	3	c-bcjp	50	65	39	8	2	4	-	4-6	7-8	2500	0	4
	Leuchars ...	12.4	+6	N	3	c-bc	51	65	39	9	2	6	9	7-8	7-8	4000	0	*
12	Renfrew (Abbots I.)	12.9	+2	NW	3	c-bc	47	85	41	9	2	4	6	2-3	7-8	2500	1	*
	Eskdalemuir ...	12.1	+2	NW'N	3	bc	44	75	36	8	8	4	-	4-6	4-6	2100	1	*
	Point of Ayre ...	13.0	0	N'E	5	c-bc	52	75	42	8	3	-	2	2-3	7-8	3000	0	4
13A	Tiree ...	15.6	0	NNW	5	c-bc	48	85	44	9	2	6	5	4-6	7-8	2500	1	4
13B	Stornoway ...	14.3	-2	NNW	3	c-bc	46	65	35	8	5	9	6	4-6	7-8	3500	0	2
15	Dalwhinnie ...	13.0	+2	NNE	1	c-bc	41	75	33	8	5	4	-	4-6	7-8	2500	0	*
	Aberdeen ...	11.9	+6	NW	2	bjp	46	75	38	8	3	6	3	1	1	2500	1	2
	Wick ...	12.2	+4	WNW	3	c-bc	44	92	42	8	3	7	-	7-8	7-8	1000	1	*
16	Sumburgh ...	09.4	+10	NNW	2	bc/pr	44	75	38	8	3	6	3	2-3	4-6	2000	1	3
17	Blacksod Point	18.6	-6	NW'N	4	c/pr	50	75	43	8	9	-	-	9+	9+	1500	1	3
18	Malin Head ...	15.9	+2	N	5	c	50	65	39	8	5	-	-	10	10	1500	2	4
	Aldergrove ...	15.7	+4	NNW	3	c/pr	47	85	41	8	8	7	6	7-8	9+	2500	1	*
19	Birr Castle ...	17.1	-2	NW	2	c	50	75	43	8	5	2	-	7-8	9+	2500	1	*
20	Valentia Obsy.	20.2	-4	N	5	c/pr	51	75	44	8	8	7	-	4-6	9+	3800	1	3
	Roches Point	17.7	-6	N	4	c-bc	53	85	49	8	5	7	-	4-6	7-8	1500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 25th (39)	Weather. 13h.—18h. 25th (40)	Weather. 18h. 25th to 1h. 26th (41)	Weather. 1h.—7h. 26th (42)
1	London (Kew)	bczocy	bbcm$_0$	crr$_0$cm$_0$	cm$_0$x
	Croydon ...	czocy	cycz$_0$pczy	bcfz$_0$ir$_0$	bm$_0$fgxcm
	S. Farnborough	cbcmobccy	cbcbyb	bcm$_0$cir$_0$b	bbcm$_0$
	Boscombe Down	bcbcy	bcypr$_0$bc	bcbw	bwbcc
	Thorney Island	bcbcy	bcybc	bcbm$_0$u	bm$_0$ux
	Lympne ...	cmommoc	mcyc	bbcm$_0$	cbm$_0$u
	Manston ...	cmofofoczobc	bcbvc	bccpr$_0$bcu	bcw
2	Shoeburyness ...	cmobc	bcz$_0$	bc	bccw
	Felixstowe ...	bccy	bcbcy	bcybc	bcc
	Gorleston ...	cbccy	bcybc	bcfr$_0$	m$_0$xbcm$_0$
	Mildenhall ...	cmobcmoc	bcbcybc	bccpr$_0$bm$_0$	cbcpr$_0$cbc
	Cranwell ...	bcmobczy	bczsofr$_0$z$_0$	cpr$_0$cmbm$_0$	bmbcm$_0$
3	Birmingham ...	b,cz	cbcpr$_0$z	bcz	bccm
	Upper Heyford	bcc	cybc	b	bm$_0$cm$_0$u
4	Ross-on-Wye	bbcy	cy	cp$_0$b	bcc
5	Hartland Point	bcprcbc	bccpr	cirbc	bcprcc
	Bristol ...	bbccpht	cipybcy	bcm$_0$bm$_0$u	bm$_0$wcm$_0$u
	Portland Bill ...	c	bcc	cc	bcc
	Plymouth ...	bccprc	bc	cpr$_0$c	cm$_0$tcr$_0$c
	The Lizard ...	bcprc	bcprc	cprcc	crrir
	Scilly (St. Mary's)	cpocy	cbbc	cpcc	cpcc
	Guernsey ...				
6	Pembroke ...	bcq	cq irir$_0$	bcprc	bcc
7	Holyhead (Valley)	bbcb	cpr$_0$c	cbcpr$_0$	bccpHR
	Chester (Sealand)	bccpr	cprbc	bccpr$_0$	cpr$_0$m$_0$
8	Manchester ...	bcmoprc	prpRz$_0$y	bcbm$_0$	bm$_0$ffw
10	Spurn Head ...	bc	pr$_0$bc	pr$_0$bcl	bc
	Catterick (Sc) ...	bccbc	c	bc	bc
	Tynemouth ...	bbc	bccmp	cbcpbc	bbc
11	St. Abbs Head	bbcc	bcc	bc	bcc
	Leuchars ...	bbccjpy	cpr$_0$cy	bbu	bwbcx
12	Renfrew (Abbots I.)	bcc	cpr$_0$prcbc	bcbm$_0$u	bcm$_0$bcxf$_0$
	Eskdalemuir ...	bcbcy	bccvbc	bc	bccx
	Point of Ayre ...	PRcb	bbcc	cb	bbcc
13A	Tiree ...	bcpr$_0$bc	c	bcpr$_0$bc	bcpr$_0$c
13B	Stornoway ...	bcprocpro	cprcbc	bcb	bccpr$_0$bc
15	Dalwhinnie ...	cprbc	bcc	c	cb,c
	Aberdeen ...	bcprocpr	bcpr$_0$bjp	bbccpr$_0$bc	bccjp
	Wick ...	bcprcbc	bcjpbcpr$_0$	cpr$_0$bccpr$_0$bu	bccpr$_0$bcc
16	Sumburgh ...	pr	bcpr$_0$	cbccpr$_0$	bccpr$_0$
17	Blacksod Point	c	pr	pr	pr
18	Malin Head ...	pr	c	f	r
	Aldergrove ...	cbcprc	cpr$_0$c	cbc	bccidcpr$_0$c
19	Birr Castle ...	pr	c		c
20	Valentia Obsy.	pr	r	d	pr
	Roches Point	bc	c	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday, 26th September 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 12 S.W. Scotland & Isle of Man	Light or moderate northerly winds; thundery showers in exposed coastal districts, a few showers inland with appreciable clearances tonight; cold, with rather general ground frost tonight.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh northerly winds; rather frequent thundery showers of rain and hail; cold, with some ground frost tonight.
16 Orkneys and Shetlands	As 13a–15
~~17 N.W. Ireland~~ 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 1–12

GENERAL INFERENCE

A cold northerly current covers the British Isles, with thundery showers of rain and hail in exposed districts and a few showers during the day in more sheltered inland districts. Ground frost will be rather general tonight.

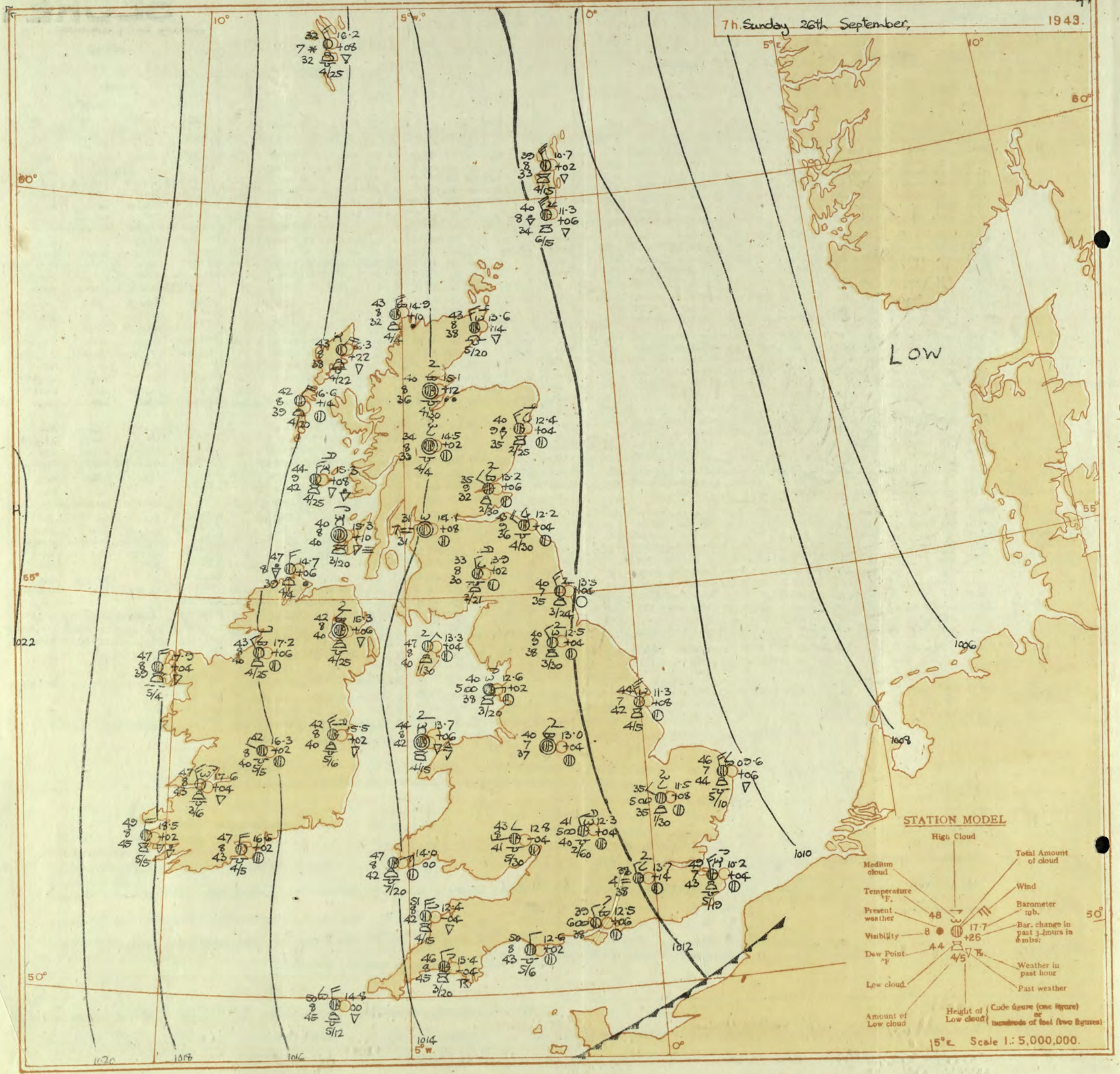
FURTHER OUTLOOK

Cold northerly conditions persisting in most districts. More general rain and milder conditions probably reaching northwestern 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. Sunday 26th September, 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).

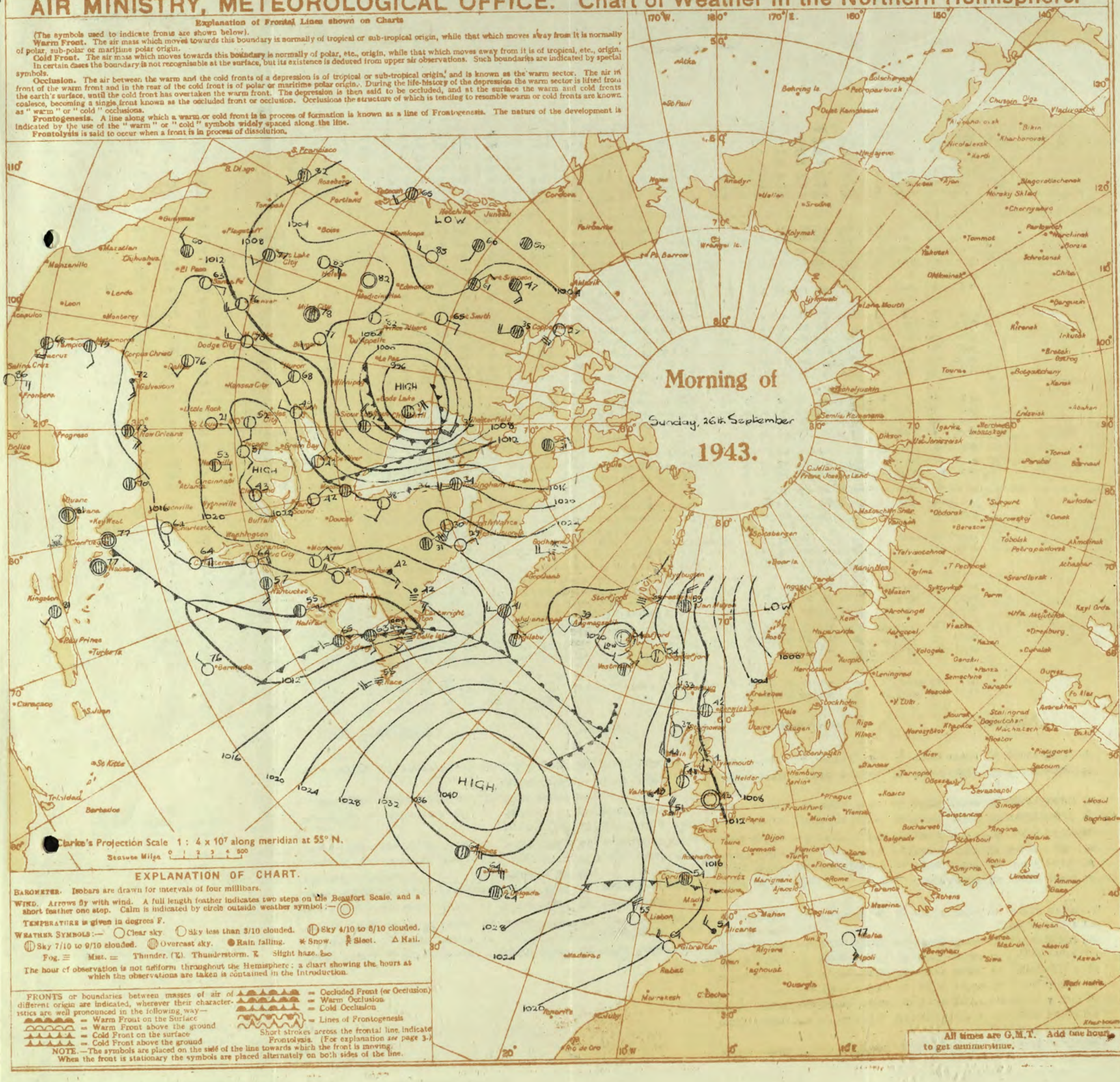
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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 summertime.

Page 4.

BRITISH SECTION

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

Sunday 26th September, 1943

No. 29893.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	46	*	*	*	*	*	*	*	*	*
	Croydon	290	12·5	-6	-	0	z₀	43	92	41	5	-	-	-	0	0	-
	S. Farnborough	226	11·9	-6	-	0	b	40	92	38	7	-	-	-	0	0	-
	Boscombe Down	417	13·0	-6	NW	1	b	40	92	38	7	-	-	-	0	0	-
	Thorney Island	10	12·8	-2	WNW	1	z₀	43	92	41	6	-	-	-	0	0	-
	Lympne	283	11·3	-10	N'W	2	z₀	43	85	40	6	-	7	-	0	10	-
	Manston	154	10·1	-8	NW'W	3	z₀	49	85	45	6	-	3	-	0	7-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	10·3	+4	NW	3	bc	47	85	43	7	5	-	-	4-6	4-6	4000
	Gorleston	5	09·8	-6	NW	3	pr	45	85	42	7	5	-	-	4-6	4-6	1500
	Mildenhall	15	10·9	-2	WNW	2	z₀	39	97	39	6	-	4	-	0	1	-
	Cranwell	203	11·5	0	NNW	2	z₀	43	85	40	6	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·2	-2	NW	2	z₀	39	97	39	6	-	7	-	0	Tr	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	13·4	-2	N	3	bc	51	75	42	8	3	-	-	4-6	4-6	1500
	Bristol	209	13·1	-6	W	2	z₀	43	92	41	6	5	-	-	2-3	2-3	4000
	Portland Bill	32	12·8	-10	NW	3	c-bc	50	85	46	8	5	-	-	7-8	7-8	4000
	Plymouth	86	14·5	-8	NNW	1	c/pr	47	97	47	6	8	-	-	9	9	1500
	The Lizard	240	15·0	-10	NW	4	c-bc/pr	47	85	44	8	8	-	-	7-8	7-8	1000
	Scilly (St. Mary's)	163	15·7	-12	NNW	6	cjp	51	75	42	8	8	-	-	9+	9+	1500
	Guernsey	175															
6	Pembroke	142	14·3	-6	N	3	c-bc	49	85	43	8	8	-	-	7-8	7-8	2500
7	Holyhead (Valley)	32	13·3	-6	N	2	bc/pr	48	85	43	8	8	6	-	4-6	4-6	4000
	Chester (Sealand)	16	12·4	-4	-	0	c/pr	45	85	42	7	2	1	-	4-6	9+	3200
8	Manchester	230	12·4	-6	SSE	2	z₀	41	97	40	5	-	-	-	0	0	-
10	Spurn Head	29	11·0	-2	NW	5	e	47	85	43	7	8	-	-	4-6	4-6	1500
	Catterick (Sc)	192	12·3	0	W	1	bc	41	97	39	7	5	-	-	4-6	4-6	4000
	Tynemouth	108	12·6	0	NW	4	b-bc	43	85	38	7	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	16·8	-2	N	4	b-bc	46	65	36	7	4	-	-	2-3	2-3	4000
	Leuchars	36	12·8	-4	SW	1	b-bc	38	85	34	8	5	-	-	2-3	2-3	4000
12	Renfrew (Abbots I.)	19	13·3	-2	-	0	z₀	35	97	35	6	5	-	-	1	1	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	12·9	-4	NNE	4	b	49	75	42	8	-	-	-	0	0	-
13A	Tiree	44	15·0	-2	-	0	bc/pr	43	97	43	8	2	-	-	4-6	4-6	2000
13B	Stornoway	12	13·8	-4	NW	2	b-bc	38	92	36	7	5	-	-	2-3	2-3	3000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	12·1	-2	NW	3	b	39	85	35	8	2	-	-	1	1	2000
	Wick	114	12·3	-2	WNW	3	bc/pr	41	97	40	7	3	-	-	4-6	4-6	1200
16	Sumburgh	19	10·8	+4	N	4	b-bc	42	65	33	8	4	-	-	2-3	2-3	2500
17	Blacksod Point	18	17·8	-6	NW	4	c-bc	47	85	43	8	9	-	-	7-8	7-8	1500
18	Malin Head	84	14·7	-10	W'N	3	r	44	92	42	8	5	-	-	10	10	800
	Aldergrove	268	15·1	-6	N'W	1	bc	43	92	40	8	5	-	-	4-6	4-6	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18·7	-12	NNE	4	pr	49	75	42	8	3	-	-	9	9	2500
	Roches Point	22	17·3	-8	NNW	4	c	48	85	44	8	5	-	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 26th September

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)	12·5	+8	WSW	1	z₀	43	85	39	5	5	3	6	2-3	7-8	4000	1	*
Croydon	13·7	+14	NW	1	m	38	92	38	4	-	4	6	0	9	-	1	*
S. Farnborough	12·7	+6	-	0	m	35	92	33	4	-	7	4	0	7-8	-	0	*
Boscombe Down	12·9	+2	-	0	c	40	97	40	7	-	3	6	0	9	-	0	*
Thorney Island	12·5	+6	NW'N	1	z₀	39	97	38	6	-	7	4	0	4-6	-	0	*
Lympne	11·7	+6	N'W	2	z₀	41	92	39	6	-	7	-	0	4-6	-	0	§ 1
Manston	10·2	+4	NW	3	c	49	75	43	7	8	6	3	7-8	9	1500	0	*
Shoeburyness	12·1	+2	NW	2	c-bc	42	92	40	7	-	3	-	0	7-8	-	1	*
Felixstowe	10·4	+2	NW'N	4	c	45	85	42	7	5	-	-	9	9	2500	0	3
Gorleston	09·6	+6	NW'N	3	c-bc/pr	46	92	44	7	8	7	-	7-8	7-8	1000	1	2
Mildenhall	11·5	+8	WNW	2	z₀	35	97	35	5	2	4	9	Tr	7-8	3000	1	*
Cranwell	11·9	+6	NW	3	z₀	41	92	39	6	-	-	1	0	7-8	-	0	*
Birmingham	12·4	+2	-	0	m	42	92	42	4	-	-	2	0	7-8	-	1	*
Upper Heyford	12·3	+4	NW'N	2	z₀	41	97	40	5	5	3	2	1	9	6000	0	*
Ross-on-Wye	12·8	-4	W'S	1	c	43	92	41	8	5	1	-	7-8	9	3000	1	*
Hartland Point	12·4	-4	N	4	bc	51	75	42	8	3	-	1	4-6	4-6	1500	1	4
Bristol	13·4	+4	-	0	z₀	43	85	40	6	5	4	6	1	9	4000	1	*
Portland Bill	12·6	+2	N	2	c-bc	50	75	43	8	5	-	-	7-8	7-8	4000	1	3
Plymouth	13·4	-4	NNW	2	c	46	97	45	8	3	-	3	2-3	9+	2000	1	1
The Lizard	14·1	-4	NNW	4	ir	46	92	44	6	5	-	-	9+	9+	1500	1	4
Scilly (St. Mary's)	14·8	0	N'W	4	c/pr	50	85	55	8	8	7	-	7-8	9+	1200	1	4
Guernsey																	
Pembroke	14·0	0	ENE	3	c	47	85	42	8	8	-	-	9+	9+	2000	0	2
Holyhead (Valley)	13·7	+6	-	0	c/phr	44	92	42	8	3	6	6	4-6	9+	1500	1	1
Chester (Sealand)	12·8	+2	-	0	z₀	42	92	40	6	5	4	6	4-6	9+	3500	1	*
Manchester	12·8	+2	-	0	c/f	39	97	37	5	5	-	-	9+	9+	4000	1	*
Spurn Head	11·3	+8	NW'N	5	bc	44	92	42	7	3	3	-	4-6	4-6	2500	1	4
Catterick (Sc)	12·5	+4	NW	2	bc	40	92	38	9	3	3	5	2-3	4-6	3000	1	*
Tynemouth	13·5	+4	NW	3	bc	40	85	35	7	2	-	5	2-3	4-6	2400	1	3
St. Abbs Head	12·2	+4	WNW	4	c-bc	43	75	36	9	5	4	-	4-6	7-8	3000	0	4
Leuchars	13·2	+6	WNW	1	c	35	85	32	9	2	7	5	1	9	3000	0	*
Renfrew (Abbots I.)	14·1	+8	-	0	fg	31	97	31	7	-	3	-	0	4-6	-	1	*
Eskdalemuir	13·9	+2	NNW	1	c-bc	33	85	30	8	7	4	2	2-3	7-8	2100	1	*
Point of Ayre	13·3	+4	NE'N	2	bc	47	75	40	8	2	-	5	Tr	4-6	3000	0	3
Tiree	15·3	+8	N'E	3	c-bc/pr	44	92	42	9	3	6	2	4-6	7-8	2500	1	3
Stornoway	16·3	+22	NNE	4	bc	43	85	38	8	8	6	-	4-6	4-6	2200	1	1
Dalwhinnie	14·5	+2	-	0	c	34	92	33	8	5	4	9	4-6	9+	1500	0	*
Aberdeen †	12·4	+4	NW	3	pr	40	85	35	9	3	4	8	1	9	2500	1	2
Wick	13·6	+14	NNW	3	c	43	85	38	8	4	3	8	7-8	9+	2000	1	*
Sumburgh	11·3	+6	NW	5	pr	40	75	34	8	3	-	8	9	9	1500	1	3
Blacksod Point	17·9	+4	N'W	4	c-bc	47	75	39	8	9	-	-	7-8	7-8	1500	1	3
Malin Head	14·7	+6	N	3	PR	47	75	39	8	2	-	-	4-6	4-6	1500	2	3
Aldergrove	15·3	+6	-	0	c	42	92	40	8	8	7	6	4-6	9+	2500	1	*
Birr Castle	16·3	+2	WNW	1	c-bc	42	92	40	8	5	-	-	7-8	7-8	2500	1	*
Valentia Obsy.	18·5	+2	N'W	4	c-bc/pr	49	85	45	8	3	-	-	7-8	7-8	2500	1	4
Roches Point	16·6	+2	N'W	4	bc	47	85	43	8	5	-	-	4-6	4-6	2500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 25th Hrs. (38)
London (Kew)	56	40	27	-	0·5	5·5
Croydon	56	37	31	-	Tr	5·6
S. Farnborough	57	36	26	-	Tr	8·1
Boscombe Down	57	39	35	Tr	Tr	8·1
Thorney Island	51	37	31	-	-	*
Lympne	[illegible]	39	33	Tr	-	4·4
Manston	56	46	43	Tr	0·2	4·6
Shoeburyness	57	40	36	-	-	5·1
Felixstowe	59	44	43	-	Tr	[illegible]
Gorleston	56	44	40	-	5	7·0
Mildenhall	57	34	30	-	0·4	7·1
Cranwell	57	39	36	Tr	Tr	0·9
Birmingham	54	42	31	Tr	-	5·9
Upper Heyford	54	38	36	-	-	*
Ross-on-Wye	57	42	37	-	Tr	9·4
Hartland Point	53	47	47	1	7	7·3
Bristol	56	41	33	1	Tr	7·4
Portland Bill	57	46	*	-	-	*
Plymouth	56	45	42	0·6	4	8·3
The Lizard	57	45	*	1	6	6·9
Scilly (St. Mary's)	58	48	*	Tr	3	5·1
Guernsey						
Pembroke	54	45	*	2	2	6·4
Holyhead (Valley)	56	43	37	0·3	7	*
Chester (Sealand)	56	42	34	1	2	7·8
Manchester	54	35	31	-	-	*
Spurn Head	56	43	*	Tr	0·5	8·8
Catterick (Sc)	55	38	31	0·1	-	6·3
Tynemouth	53	39	36	0·1	R	*
St. Abbs Head	51	42	*	-	-	*
Leuchars	56	34	27	Tr	-	8·0
Renfrew (Abbots I.)	57	31	22	0·6	0·1	7·5
Eskdalemuir	54	32	21	-	-	7·0
Point of Ayre	56	46	*	-	-	6·8
Tiree	53	41	37	0·1	5	
Stornoway	50	37	28	0·1	0·4	5·5
Dalwhinnie	47	27	20	1	-	3·8
Aberdeen †	52	38	35	Tr	Tr	8·4
Wick	50	40	35	2	1	*
Sumburgh	51	37	34	2	0·2	4·6
Blacksod Point	54	44	*	1	3	*
Malin Head	58	44		0·4	5	5·5
Aldergrove	54	41	35	1	0·6	3·3
Birr Castle	55	42	38	0·1	-	4·0
Valentia Obsy.	54	47	44	0·3	3	0·5
Roches Point	57	*		-	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC	13h. G.M.T. 25th September $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 26th September $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	36	02854	28684	36	25844	26484	8-	81747	02587	87	02854	29505
115	24	02854	32386	82	82835	32188	54	01863	32223	27	02844	14943
203												
206	26	01854	28484	86	01852	26383	50	01962	00002	57	22864	00067
210	26	02954	28585	26	01954	28424	50	01963	22313	57	25855	32488
219	86	02855	31526	36	10854	30485	2-	02855	04185	20	02854	03415
230	20	01964	28414	16	02963	28326	5-	01961	00011	54	01961	00014
245	86	01954	31214	86	01963	28213	04	01890	26101	83	02861	29327
260	26	02845	28315	80	01764	30214				53	01754	00015
278												
279	2-	01864	26214	73	02865	32326	50	01853	02114	63	02963	06115
285	23	01854	30615							13	01862	30314
288	86	02855	26325	87	05665	31326	50	22765	25365	24	05652	27313
575	97	81844	28387	47	02864	30227	33	25744	00086	27	01854	28114
304	96	81556	32887	76	05654	31384	04	05690	04121	33	05553	08116
321	8-	02755	30225	86	05654	32184	50	05562	30212	84	05663	30214
296	20	01754	30414	20	02755	28415	8-	81755	26485	80	61745	26465
292	26	25853	28384	46	17652	32325	40	01763	30123	84	01862	32314
310	--	81626	26316									
614	26	05653	26314	46	05554	28125	5-	05567	30127	03	05590	28214

IIIC	13h. G.M.T. 25th September $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 26th September $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
388	26	02855	27486	36	25855	01387	20	01754	00084	27	25865	31188
334	--	02843	26314	--	25666	26287						
340				56	05842	28282	57	02854	00028	63	05561	0046
136	10	01863	28314	86	61864	32165	16	25892	26483	30	01753	28484
336	80	81744	28384	23	01753	28415						
350	20	01755	26315	56	02763	26315	50	05563	28113	53	08571	26147
368	33	25854	30284	53	02854	28315	50	01864	25214	87	01853	28117
379				47	02864	28385				53	05562	30227
390	20	05665	28325	40	05665	28215	00	05690	24120	07	05590	30126
382	2-	02855	28415	47	01864	30224	07	01790	29203	53	05673	29126
438	54	02664	30315	50	01664	28314	20	01662	28312	57	01663	32313
430	20	02854	28224	40	01862	26112	00	00790	28210	07	05690	29114
409	2-	01955	31525	36	25844	29586	5-	25658	32258	27	02854	30386

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 September. 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	bcz₀cy	bbcm₀	crrcm₀x
Croydon	cz₀cy	cycz₀ybcz₀ybcfgrcm	
Greenwich	bcy	cby	bcf₀bxm₀
Camden Square	b	bc	*
Kensington	bc	bc	*
Hampstead	bc	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended [illegible]: Max. 0·3, Time [illegible] 20h 25th; Min. <0·1, Time 843h 25th.

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	56	40	27	-	0·5	5·5	*	*
Croydon	56	37	31	-	Tr	5·6	*	*
Greenwich	58	39	27	-	Tr	5·7	55	69
Westminster	59	42	36		-		63	79
Regents Park								
Camden Square	59	41	32	-	-	*	-	72
Kensington	59	40	29	-	-		89	79
Hampstead	57	38	31	-	-		*	71

SECRET

Page 1

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

BRITISH SECTION

Monday 27th September, 1943

No. 28894.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	12·1	+2	N'E	2	zo	53	45	34	6	8	3	8	7-8	9+	2500
	Croydon	12·8	-6	NW	3	zo	53	45	34	5	2	6	2	4-6	10	3500
	S. Farnborough	12·1	-2	NNE	3	c	55	55	39	7	8	6	6	7-8	9+	3000
	Boscombe Down	12·8	-2	–	0	pr	53	75	44	7	2	–	–	9	9	2000
	Thorney Island	12·4	-2	N'E	2	c-bc	57	55	42	8	2	–	2	4-6	7-8	2500
	Lympne	11·3	-2	NNE	3	c-bc	57	45	37	8	1	–	–	2-3	7-8	2200
	Manston	10·5	0	NW'W	3	c-bc	56	55	39	8	2	–	5	4-6	7-8	3200
2	Shoeburyness	11·8	-2	NNW	3	bc	56	55	37	8	1	–	6	4-6	4-6	4000
	Felixstowe	10·8	-10	NW'N	5	c	58	55	43	8	8	–	–	2-3	9	4000
	Gorleston	09·9	+2	N	4	bc/pr	52	65	42	7	8	–	–	4-6	4-6	2000
	Mildenhall	11·4	+2	NW'N	4	c	53	65	41	8	8	1	1	9	9+	2500
	Cranwell	12·3	+2	NW	4	c-bc	55	55	37	8	1	–	2	4-6	7-8	3300
3	Birmingham	12·4	0	N	1	zo	53	55	38	6	8	–	–	9	9	4000
	Upper Heyford	12·6	0	NNE	2	c	53	55	37	7	8	6	3	7-8	9+	2500
4	Ross-on-Wye	12·5	-8	NNW	2	bc	57	65	43	8	2	–	1	4-6	4-6	3500
5	Hartland Point	13·7	+4	N	3	bc	52	65	40	9	2	6	3	4-6	4-6	2500
	Bristol	13·2	-6	N	3	bc	53	55	39	7	2	3	–	4-6	4-6	2500
	Portland Bill	11·9	-12	S	2	c-bc	57	75	51	8	2	–	–	7-8	7-8	4000
	Plymouth	13·7	-2	NNW	3	pr	53	75	47	8	3	6	3	7-8	9+	2500
	The Lizard	14·6	+2	N	4	c/pr	48	92	46	8	8	6	–	9+	9+	1500
	Scilly (St. Mary's)	15·6	+2	NNW	4	c/pr	51	75	44	8	8	6	–	7-8	9	1200
	Guernsey															
6	Pembroke	15·3	+14	NE	1	c-bc	51	75	44	8	2	6	–	4-6	7-8	2500
7	Holyhead (Valley)	14·5	+6	N'W	4	bcjp	54	55	37	8	3	[illegible]	3	4-6	4-6	1500
	Chester (Sealand)	13·6	+2	NNW	4	c	53	65	40	8	2	–	6	4-6	10	2500
8	Manchester	13·1	+2	N'W	3	zo	51	65	40	6	3	6	–	7-8	7-8	3000
10	Spurn Head	12·0	0	N	5	c-bc	52	65	41	8	1	3	–	4-6	7-8	2500
	Catterick (Sc)	13·0	+2	NNW	2	bc	52	55	39	9	1	–	4	2-3	4-6	4000
	Tynemouth	14·0	0	N	4	bc	50	75	39	7	2	3	2	2-3	4-6	2600
11	St. Abbs Head	13·4	+8	N	4	pr	45	85	40	8	2	2	–	7-8	10	2000
	Leuchars	14·8	+10	NNW	2	c/pr	48	65	37	9	8	4	–	2-3	9+	2500
12	Renfrew (Abbots I.)	14·9	+4	N	2	c-bc	51	55	38	8	8	–	2	7-8	7-8	3000
	Eskdalemuir	13·7	+2	N	2	c	49	55	31	8	8	4	8	7-8	9	2400
	Point of Ayre	14·8	+8	NE'N	2	b	52	65	41	8	1	–	8	Tr	1	3000
13A	Tiree	18·6	+16	N	5	br	49	75	40	9	1	–	2	4-6	4-6	2000
13B	Stornoway	18·5	+10	N	6	c-bc	45	65	33	8	8	6	9	4-6	7-8	2200
15	Dalwhinnie	16·5	+6	N	3	c	42	65	29	8	8	7	–	7-8	9+	2500
	Aberdeen	14·6	+14	NW	4	phr	46	75	37	7	3	6	3	9	9+	2500
	Wick	15·1	+6	N'W	5	bc	44	79	37	9	3	–	–	4-6	4-6	2000
16	Sumburgh	10·9	-6	NW	5	pr	41	92	38	9	3	6	3	9+	10	2000
17	Blacksod Point	13·7	+8	N'W	4	c-bc	52	65	41	8	8	–	–	7-8	7-8	1500
18	Malin Head	17·7	+18	NNE	5	pr	49	75	42	8	2	–	–	2-3	7-8	1500
	Aldergrove	16·3	+6	NW	1	bc	50	75	42	9	2	6	2	2-3	4-6	2500
19	Birr Castle	17·0	+2	N	2	c-bc	51	75	44	8	4	–	–	7-8	7-8	1500
20	Valentia Obsy.	19·8	+4	N	5	bc/pr	53	65	42	8	3	6	–	2-3	4-6	2500
	Roches Point	17·5	+2	N	4	bc	52	65	41	9	2	–	–	4-6	4-6	2500

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

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)	13·1	+10	NNW	2	zo	52	45	34	5	5	–	4	4-6	9	2500	1	*
Croydon	13·3	+6	NNW	1	m	52	45	32	4	–	7	2	0	2-3	–	0	*
S. Farnborough	13·4	+14	–	0	bc	51	65	39	6	–	7	8	0	4-6	–	0	*
Boscombe Down	14·0	+10	NW'N	2	c	48	75	40	7	5	9	7	4-6	10	4000	0	*
Thorney Island	13·4	+10	–	0	fg	49	75	41	6	2	3	2	Tr	7-8	4000	0	*
Lympne	12·7	+12	NE	4	c-bc	50	75	40	7	1	–	6	2-3	7-8	3000	0	§ 2
Manston	11·6	+8	N	4	c	51	65	40	8	5	–	7	4-6	9+	1500	0	
Shoeburyness	13·0	+10	N'W	2	c-bc	50	75	40	8	5	7	2	7-8	7-8	4000	0	*
Felixstowe	12·8	+16	N	3	c-bc	51	75	44	8	5	7	–	7-8	7-8	4000	0	3
Gorleston	11·1	+12	N'E	5	pr	51	75	44	7	8	7	–	4-6	7-8	1500	1	4
Mildenhall	13·1	+14	N'E	2	c-bc	49	75	42	8	2	6	2	Tr	7-8	4000	0	*
Cranwell	13·7	+10	N'E	3	c-bc	48	75	39	8	–	–	4	0	7-8	–	0	*
Birmingham	14·2	+8	WNW	1	cf+	48	85	44	3	8	–	2	7-8	9+	1500	1	*
Upper Heyford	13·4	+12	NN'N	2	zo	47	75	41	6	4	3	2	4-6	9+	5000	0	*
Ross-on-Wye	14·6	+12	E'N	2	c-bc	47	85	43	8	5	–	2	4-6	7-8	3000	1	*
Hartland Point	14·5	+6	N	4	c-bc/r	52	75	44	9	3	6	–	4-6	7-8	1500	1	3
Bristol	15·0	+20	–	0	zo	48	85	42	6	8	–	–	9	9	2500	0	*
Portland Bill	14·0	+14	ENE	2	c	50	85	46	8	5	–	–	10	10	4000	1	3
Plymouth	14·8	+8	N'W	4	bc	50	85	47	8	3	3	3	4-6	4-6	2500	1	2
The Lizard	15·0	+4	N	3	bc	50	75	43	8	8	6	–	4-6	4-6	2500	1	3
Scilly (St. Mary's)	16·1	+6	N'W	5	c	51	65	40	8	8	6	–	7-8	9+	1200	1	4
Guernsey																	
Pembroke	16·2	+10	N'E	3	bc	48	75	41	8	2	4	1	2-3	4-6	2500	1	4
Holyhead (Valley)	16·6	+14	–	0	c-bcjp	47	85	43	8	3	4	1	7-8	7-8	3500	1	1
Chester (Sealand)	13·9	+6	NW'N	3	b-bc	49	65	37	7	2	4	1	1	2-3	3500	0	*
Manchester	14·3	+14	N'W	2	zo	47	55	32	6	2	4	3	1	4-6	3000	1	*
Spurn Head	13·6	+10	N'W	5	bc	50	65	38	8	1	3	2	2-3	4-6	4000	0	4
Catterick (Sc)	15·5	+24	N	3	c-bc	45	85	40	8	8	–	6	4-6	7-8	2500	0	*
Tynemouth	15·6	+20	N	5	c/pr	44	65	33	7	2	–	–	9	9	1800	1	3
St. Abbs Head	14·6	+6	NNW	5	c	44	65	33	8	5	4	–	7-8	9+	2000	0	5
Leuchars	17·8	+28	NNW	2	bcjp	43	55	28	9	5	–	1	2-3	4-6	6000	0	*
Renfrew (Abbots I.)	17·1	+20	N'W	2	c-bc	46	55	32	9	5	4	–	4-6	7-8	2000	1	*
Eskdalemuir	16·4	+20	N'E	4	pr	43	75	34	8	7	4	2	7-8	9+	2400	1	*
Point of Ayre	16·1	+8	NNE	4	b-bc	52	65	41	8	3	–	8	2-3	2-3	2500	0	3
Tiree	20·4	+10	NNW	5	c-bc	46	85	40	9	8	–	–	7-8	7-8	2000	1	3
Stornoway	19·8	+6	N	3	bc	42	65	32	8	8	6	–	4-6	4-6	2000	0	2
Dalwhinnie	18·5	+16	NNE	2	bc	36	85	32	8	5	–	–	4-6	4-6	2500	1	*
Aberdeen	15·7	+6	NW'W	3	bjp	39	85	34	8	3	6	3	1	1	2500	1	2
Wick	16·3	+6	NNW	4	c-bc	40	92	37	3	3	–	–	7-8	7-8	2000	1	*
Sumburgh	12·7	+12	NNW	6	bcjp	43	65	33	8	3	–	3	4-6	4-6	2000	1	4
Blacksod Point	22·3	+22	N	4	bc/pr	49	75	42	8	3	–	–	4-6	4-6	1500	1	3
Malin Head	20·5	+20	NNE	5	bc	48	55	33	8	2	–	–	4-6	4-6	1500	2	4
Aldergrove	19·1	+22	NNW	4	b	46	65	35	8	2	–	1	1	1	4000	1	*
Birr Castle	19·1	+14	NNW	2	bc	49	75	42	8	5	–	–	4-6	4-6	2500	1	*
Valentia Obsy.	21·7	+18	N	4	pr	50	75	43	8	3	–	–	9	9	2500	1	4
Roches Point	18·7	+14	N	4	b	51	75	44	9	3	–	–	1	1	2500	1	3

PAST 24 HOURS.

Stations	Weather 7h.–13h. 26th (39)	13h.–18h. 26th (40)	18h. 26th – 1h. 27th (41)	1h.–7h. 27th (42)
London (Kew)	cmozcy	czoy	bzowx	bbcmox
Croydon	cmbczoc	czoybczobc	bfg	bfgbmwbcmf
S. Farnborough	bcmmobccy	cy	cybczobmo	bmozfmf
Boscombe Down	cbcmocpro	cproc	cbcb	bmocmo
Thorney Island	ccy	cyccfg	cfgbfgbmo	bmofgofgx
Lympne	cbcy	bccuc	bcbmow	bmow
Manston	ccy	cy	bcbzobc	bbbczoc
Shoeburyness	bcbzbcy	bcycyc	cido	cw
Felixstowe	cmobccy	cyc	cbcb	bbcc
Gorleston	cprobc	cbcpro	bcprobc	bcofHPRpro
Mildenhall	bcmocmobc	cproc	cbbc	bxbcprcmo
Cranwell	bcc	cybcybc	bcbbcprmcm	bcmobc
Birmingham	cbccz	cpro	fmbc	bccm
Upper Heyford	cmowczocy	cyczo	zopcbmo	bmocmow
Ross-on-Wye	crobc	circbc	ccm	bwcmo
Hartland Point	bcv	bccvpr	cbcb	bbc
Bristol	cmoczo	bcytcprcfgbmo	wbw	cx
Portland Bill	c	c	bcc	bcbc
Plymouth	cpro	bc	bcb	bbcb
The Lizard	irprc	cprbc	bc	cprbc
Scilly (St. Mary's)	cp	cpc	cprbcl	bcpq
Guernsey				
Pembroke	croiro	cbc	bcprb	ciro
Holyhead (Valley)	cphbc	bccjp	cpr	cprbcb
Chester (Sealand)	c, bcmo	cbcy	bc, bmoc	moc, bc
Manchester	cmomzoz	cbcyzo	cmbmo	bcmxcmo
Spurn Head	pro	bc	prbc	bc
Catterick (Sc)	bc	cbc	cbc	b
Tynemouth	bc	bcc	cbmo	bbcmo
St. Abbs Head	bccpr	cprc	bccbc	bc
Leuchars	cproc	cjpcybcy	bcybyb	bwbbcx
Renfrew (Abbots I.)	bcc	cbccproc	bcbbx	bxbcx
Eskdalemuir	cxbc	cbccpro	cbc	bcx
Point of Ayre	bccb	bbccb	bc[illegible]	b
Tiree	cbc	bc	bcbbc	bcbbcc
Stornoway	bccjpc	cbccjpcybc	bcpro	bcprobcc
Dalwhinnie	c	cpsobc	*	bcpsc
Aberdeen	bcqorh	bcprhqbjp	bbcprq	kbcbx
Wick	cphrcpro	cphcprobcpc	prpbc	bcprobc
Sumburgh	bcjppsh	cphoro	bccpro	bbccpro
Blacksod Point	pr	pr	bc	bc
Malin Head	pr	bc	bc	bc
Aldergrove	cbc	bcprobcb	bbcproc	prbcprobc
Birr Castle	c	bc	*	bc
Valentia Obsy.	pr	pr	pr	bc
Roches Point	bc	pr	pr	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 27th September, 1943.

Districts.	
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light northerly winds, backing to southwest and freshening tomorrow; fair today; with variable cloud amounts; rain spreading from northwest tomorrow; cold becoming warmer.
5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Light northerly winds, backing southwest fresh or strong, veering west later; fair at first; general rain spreading east later; with much hill fog, followed by local rain much hill fog and local coast fog; cold, becoming warmer.
13A W. Scotland; 13B N.W. Scotland ↓; 14 Mid Scotland; 15 N.E. Scotland ↓; 16 Orkneys and Shetlands ↓	Fresh to strong southerly winds, gale at times, veering west; rain in west spreading quickly east, with much hill fog and local coast fog; showery conditions spreading from north tomorrow; rather cold becoming warmer temporarily.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Moderate or fresh southerly winds veering west; rain in west spreading east followed by local drizzle; much hill fog and local coast fog; rather cold, becoming warmer.

GENERAL INFERENCE

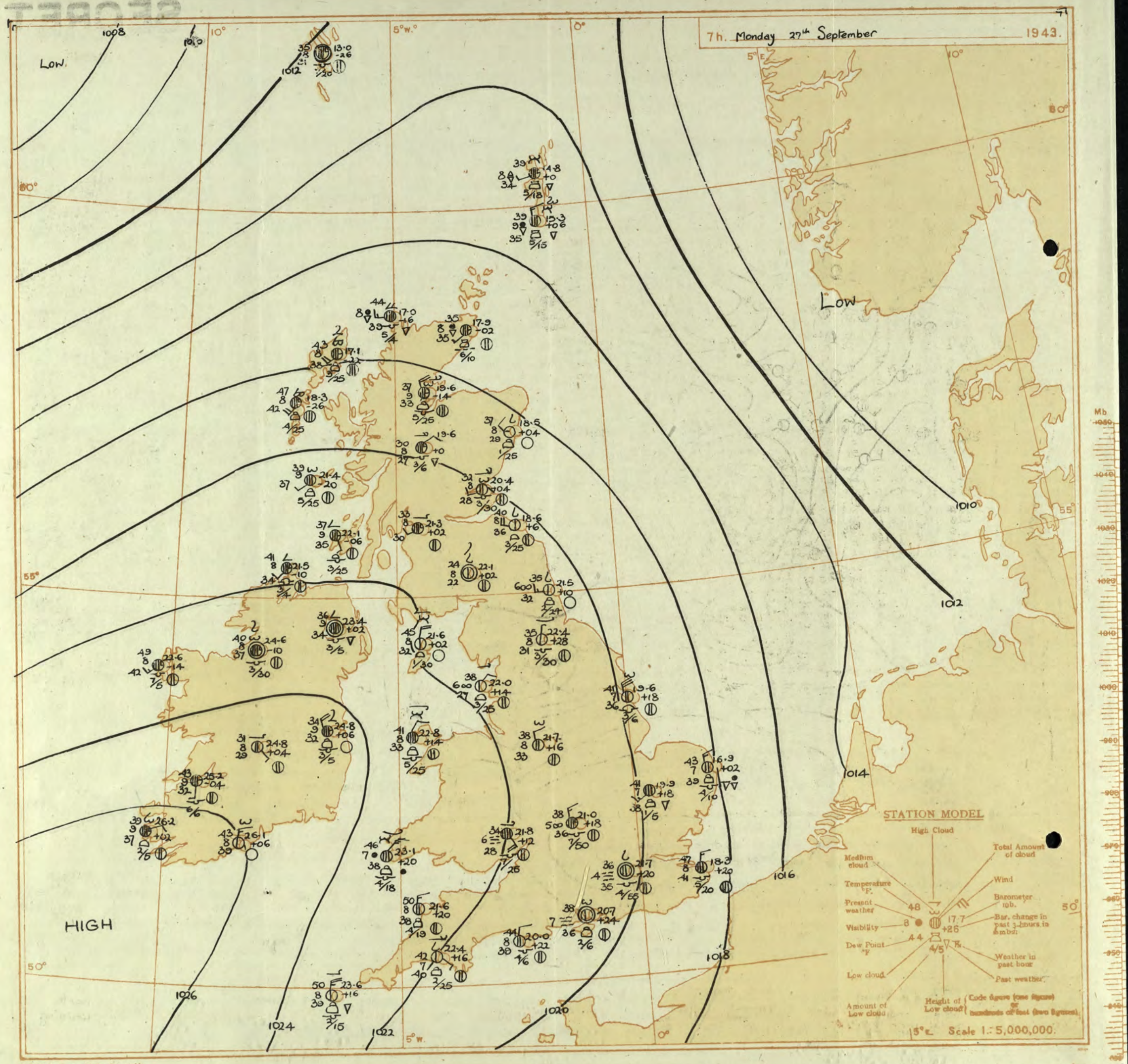
A deepening depression south of Iceland will move to the northern North Sea and associated troughs will move east across the British Isles. Rain will spread east to all districts, with showery conditions later in the north. There will be much hill fog in the north and west. Warmer than of late.

FURTHER OUTLOOK

Rain at first in central and Southern districts. Showers in north spreading south to most districts. Becoming cooler. ↓ Gale warning in operation in districts 13B. 15 (part of) and 16.

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.

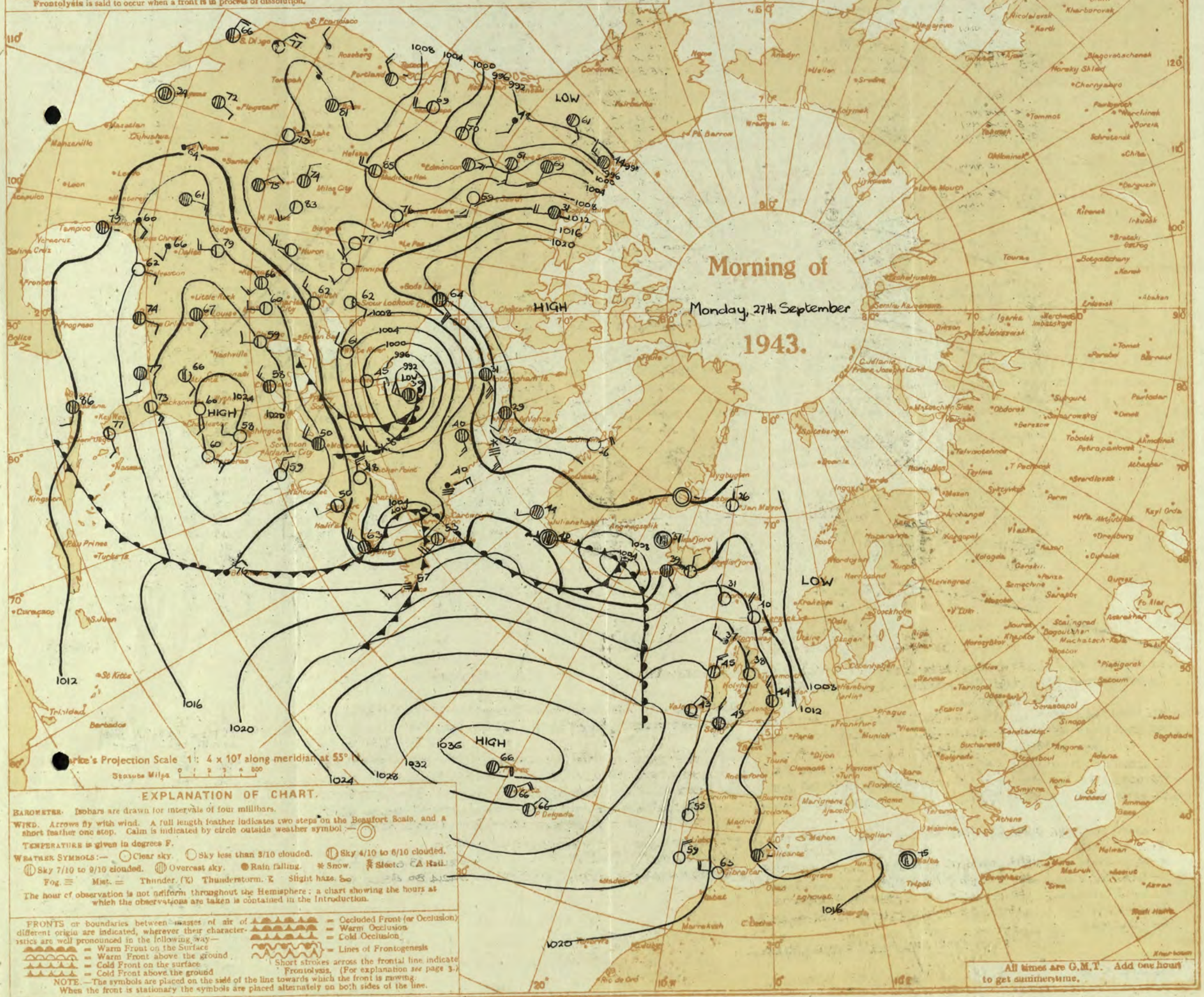
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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 one hour to get summertime.

BRITISH SECTION

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

Monday 27th September 1943

No. 29824

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

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	*	*	*	*	*	43	*	*	*	*	*	*	*	*	*
	Croydon	290	18·3	+18	-	0	fg	37	92	35	3	-	-	-	0	0	·
	S. Farnborough	226	18·2	+18	-	0	Zo	36	97	35	6	-	-	-	0	0	·
	Boscombe Down	417	18·4	+16	NNW	1	b	39	92	37	7	-	-	-	0	0	·
	Thorney Island	10	17·0	+18	N'E	2	Zo	40	92	38	6	·	·	·	0	0	·
	Lympne	283	16·6	+18	NNE	2	Zo	41	92	40	6	-	4	-	0	1	·
	Manston	154	15·3	+14	N'W	4	b-bc	49	65	39	7	5	-	-	2-3	2-3	2000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	15·7	+10	NW	4	b	46	65	36	7	-	-	·	0	0	·
	Gorleston	5	14·4	+14	NNW	3	bc	44	75	37	7	8	-	·	4-6	4-6	1500
	Mildenhall	15	16·8	+14	NW	3	b	38	97	37	7	-	4	-	0	1	-
	Cranwell	203	18·2	+14	NNW	2	c-bc/pr	40	92	38	6	5	-	-	4-6	7-8	2700
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·9	+14	NNW	1	Zo	40	85	36	6	5	-	-	1	1	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18·7	+16	NNE	3	b-bc	51	75	42	8	1	-	-	2-3	2-3	2500
	Bristol	209	18·5	+10	NNW	1	b	41	92	38	7	-	-	-	0	0	-
	Portland Bill	32	17·2	+16	N	3	c-bc	45	85	40	8	5	-	·	7-8	7-8	4000
	Plymouth	86	19·5	+18	-	0	b	44	92	42	7	-	-	-	0	0	-
	The Lizard	240	19·8	+16	N	2	bc	46	85	42	8	5		-	4-6	4-6	2000
	Scilly (St. Mary's)	163	20·5	+20	N'W	3	c-bc/pr	49	75	42	8	8	6	-	7-8	7-8	1500
	Guernsey	175															
6	Pembroke	142	20·4	+14	NNE	4	b-bc	47	75	40	8	2	-	·	2-3	2-3	2500
7	Holyhead (Valley)	32	20·2	+14	NEN	4	pr	46	85	41	8	2	-	·	9	9	3800
	Chester (Sealand)	16	19·6	+20	--	0	Zo	44	85	38	6	5	-	·	10	10	3300
8	Manchester	230	19·1	+18	N'E	2	m	37	97	35	4	4	-	·	4-6	4-6	3000
10	Spurn Head	29	17·3	+16	NW N	4	c-bc	45	85	40	7	4	3	-	4-6	7-8	1500
	Catterick (Sc)	192	10·9	+14	N	2	bc	41	75	34	7	5	3	-	2-3	4-6	3000
	Tynemouth	108	19·3	+8	NNW	3	b-bc	38	85	33	6	2	-	-	2-3	2-3	2000
11	St. Abbs Head	280	17·3	+6	WNW	4	b-bc	42	75	36	7	5	-	·	2-3	2-3	2500
	Leuchars	36	19·4	+4	WNW	2	b	36	75	30	8	-	-	·	0	0	·
12	Renfrew (Abbots I.)	19	20·9	+4	WSW	1	b	30	85	28	8	-	-	·	0	0	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	20·6	+14	NE	4	b	45	65	32	8	-	-	-	0	0	-
13A	Tiree	44	22·3	0	NNW	4	b-bc	41	85	38	9	2	-	·	2-3	2-3	2500
13B	Stornoway	12	20·7	-2	WNW	3	pr	37	92	35	8	8	-	·	4-6	4-6	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	18·7	+10	NNW	2	pr	36	97	35	7	3	-	·	7-8	7-8	1600
	Wick	114	18·0	+2	NW	3	bc	39	92	36	8	3	-	·	4-6	4-6	1100
16	Sumburgh	19	15·0	+4	NNW	4	pr	39	85	34	8	3	-	·	7-8	7-8	1500
17	Blacksod Point	18	25·0	+2	-	0	bc	45	75	38	8	5	-	·	4-6	4-6	2500
18	Malin Head	84	22·7	+2	N	5	bc	45	65	34	8	2	-	·	4-6	4-6	1500
	Aldergrove	268	23·1	+10	WNW	2	c/pr	39	92	37	8	2	-	·	9+	9+	3400
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	25·8	+16	NE	2	b	43	85	39	8	1	-	·	1	1	2500
	Roches Point	22	24·2	+18	N	4	b	46	85	42	8	5	-	-	1	1	2500

OBSERVATIONS at 7 hr. G.M.T. 27th September — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 26th Hrs. (38)
London (Kew)	21·2	+20	WSW	1	Zo	40	85	38	5	5	-	-	4-6	4-6	2500	1	*	53	38	21	-	Tr	2·8
Croydon	21·7	+20	-	0	fg	36	97	35	4	5	4	-	4-6	4-6	5500	0	*	55	35	28	-	-	3·7
S. Farnborough	21·5	+2	NW'N	1	b-bcf	43	97	43	3	-	3	-	0	2-3	-	0	*	56	31	*	-	·	6·0
Boscombe Down	22·0	+22	-	0	Zo	34	97	34	5	-	3	-	0	9	-	0	*	54	33	*	2	Tr	4·4
Thorney Island	20·7	+24	-	0	fg	38	92	36	7	2	3	-	1	2-3	4000	0	*	57	36	27	-	-	*
Lympne	19·4	+18	NNE	3	Zo	40	92	38	6	9	-	-	2-3	2-3	3000	0	§3	*	37	33	-	-	7·7
Manston	18·3	+20	N	3	c-bc	47	85	41	8	5	-	-	7-8	7-8	2000	0	*	56	46	42	-	-	8·6
Shoeburyness	19·8	+16	NW	2	c-bc	41	92	38	7	7	-	·	7-8	7-8	4000	1	*	58	37	22	-	Tr	6·0
Felixstowe	19·0	+22	NW	5	c-bc	43	85	39	7	-	3	·	0	7-8	-	0	3	59	40	37	-	-	[illegible]4
Gorleston	16·9	+2	NNW	3	bc/pr	43	85	39	7	8	-	-	4-6	4-6	1000	1	3	56	48	40	1	8	4·5
Mildenhall	19·9	+18	NW	3	c-bc	41	92	38	7	2	3	-	Tr	7-8	2500	0	*	56	36	30	1	Tr	5·4
Cranwell	20·6	+16	NNW	3	bc	39	85	34	7	5	-	·	4-6	4-6	4000	1	*	57	38	34	-	Tr	9·5
Birmingham	21·6	+12	NW	2	m	40	85	36	4	5	-	-	9+	9+	4000	0	*	53	39	25	Tr	-	5·5
Upper Heyford	21·0	+18	NNW	3	Zo	38	97	36	5	5	-	-	9+	9+	5000	0	*	55	35	29	-	0·4	*
Ross-on-Wye	21·8	+12	SE	4	fg	39	92	28	6	5	-	1	9+	10	2500	1	*	57	37	30	3	-	4·5
Hartland Point	21·6	+20	N	3	bc	50	65	38	8	2	4	-	4-6	4-6	1900	0	4	52	48	46	Tr	-	6·4
Bristol	22·1	+18	ESE	1	m	36	97	35	4	-	3	·	0	1	-	0	*	56	34	24	0·2	-	5·6
Portland Bill	20·0	+22	N	2	bc	44	85	39	8	5	-	·	4-6	4-6	4000	1	3	57	40	*	2	-	*
Plymouth	22·4	+16	E'S	1	b-bc	42	92	40	7	2	4	-	1	2-3	2500	1	1	55	39	28	0·6	Tr	2·4
The Lizard	22·5	+14	NNW	2	bc	45	85	40	8	8	4	-	4-6	4-6	2000	1	3	54	44	*	9	45	2·8
Scilly (St. Mary's)	23·6	+16	N	5	b-bc	50	65	39	8	8	-	5	1	2-3	1500	1	4	54	47	*	2	2	5·5
Guernsey																							
Pembroke	23·1	+20	NNE	3	ir0	46	75	38	7	8	6	1	4-6	7-8	1500	1	2	54	43	*	9	1	2·3
Holyhead (Valley)	22·8	+14	NNE	2	c	41	75	32	8	8	6	3	7-8	10	2500	1	1	55	38	31	2	0·3	*
Chester (Sealand)	22·1	+14	-	0	bc	42	85	37	8	7	-	4	1	4-6	3500	0	*	65	42	34	-	-	7·5
Manchester	21·6	+12	NW	2	Zo	36	97	35	6	5	-	-	2-3	2-3	5000	0	*	55	36	28	-	-	*
Spurn Head	19·6	+18	NW	6	bc	41	85	36	7	4	3	-	2-3	4-6	1500	0	4	52	40	*	-	2	8·7
Catterick (Sc)	22·4	+28	N	1	b-bc	35	85	31	8	5	-	1	2-3	2-3	3000	0	*	53	35	30	-	Tr	8·3
Tynemouth	21·5	+10	W	3	Zo	35	85	32	6	2	4	-	1	2-3	2400	1	3	51	35	33	1	0·2	*
St. Abbs Head	18·6	+6	W	4	b-bc	40	55	26	8	1	4	-	2-3	2-3	2500	0	4	47	39	*	1	-	*
Leuchars	20·4	+4	WSW	2	bc	32	85	28	8	5	3	2	2-3	4-6	3000	0	*	49	31	23	Tr	-	2·8
Renfrew (Abbots I.)	21·3	+2	WSW	2	c	33	85	30	8	-	-	5	0	9+	-	3	*	53	27	21	Tr	0·1	5·7
Eskdalemuir	22·1	+2	-	0	b-bc	24	92	22	8	-	4	4	0	2-3	-	1	*	50	23	12	Tr	-	6·4
Point of Ayre	21·6	+2	N'E	4	b-bc	45	65	32	8	1	6	8	Tr	2-3	3000	0	3	54	40	*	-	-	9·1
Tiree	21·4	-20	SW	1	c-bc	39	92	37	9	2	3	-	7-8	7-8	2500	1	2	50	36	28	0·3	0·3	8·3
Stornoway	17·1	-22	SW	4	c	43	85	38	8	2	7	6	2-3	9	2600	0	1	47	37	31	-	Tr	7·3
Dalwhinnie	19·6	0	NE	2	c	30	85	27	8	5	-	2	2-3	9+	4000	1	*	42	25	17	0·1	Tr	1·9
Aberdeen †	18·5	+4	WNW	2	b	37	75	29	8	2	4	-	Tr	Tr	2500	1	2	48	35	30	1	0·5	4·6
Wick	17·9	-2	SW	1	pr	35	97	35	8	9	-	-	9	9	1000	1	*	45	34	25	1	1	*
Sumburgh	15·3	+6	NNW	3	pr	39	85	35	8	3	6	9	7-8	7-8	1500	1	3	46	35	31	3	1	4·3
Blacksod Point	22·6	-14	SW	3	c	49	75	42	8	5	-	-	9+	9+	2500	1	2	53	41	*	0·6	-	*
Malin Head	21·5	-10	SSW	2	c	41	75	34	8	4	1	-	2-3	9+	1500	2	2	51	40		1	-	5·5
Aldergrove	23·4	+2	-	0	c	36	97	34	9	5	1	-	2-3	10	2500	1	*	53	35	29	0·3	0·6	8·1
Birr Castle	21·8	+4	SE	1	bc	31	92	23	8	-	-	5	0	4-6	-	1	*	55	30	26	-	-	5·0
Valentia Obsy.	26·2	+2	ENE	2	c	39	92	37	9	1	5	-	1	9+	2500	1	2	54	37	33	2	0·3	6·5
Roches Point	26·1	+6	N	3	b-bc	43	85	39	8	-	3	-	0	2-3	-	1	3	55	42	·	Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC	13h. G.M.T. 26th Sept. $C_L C_M$	wwVbN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVbN$_h$	DDFWN	01h. G.M.T. 27th Sept. $C_L C_M$	wwVbN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVbN$_h$	DDFWN
100	8-	27755	63785	8-	10854	64684	8-	25744	29584	8-	02854	26325
115	27	02944	32426	87	10944	32426	87	02844	32326	52	81845	24388
203				80	01944	32414						
206	86	01954	31464	26	01964	28384	04	01890	28301	83	02955	28426
210	96	27845	31587	26	25954	63584	5-	01964	27414	54	02966	22317
219	20	02954	02525	3-	81856	32626	20	01863	31383	27	02854	29427
280	2-	02965	27225	40	01962	32422	40	01962	32212	86	01961	06115
245	87	02955	30326	84	01962	31413	5-	01864	02214	24	01951	22203
260	5-	02765	32226	86	05656	32127				50	05663	00014
278												
279	10	01964	31124	86	01964	06214	5-	01762	06382	00	02990	02216
285	10	01854	30414							13	01862	30313
288	8-	05654	65414	57	81654	65486	04	01790	28381	06	01790	17113
575	0-	25954	30185	20	01861	31411	50	01865	32105	53	02863	00017
301	20	01853	30214	26	01863	03214	57	*	02248	10	05653	02213
321	14	02765	32425	46	02864	02215	80	25663	28283	03	05690	30313
299	80	14744	26414	24	02755	32414						
292				46	02753	02325	56	01763	28324	50	01861	30212
310												
614	26	05664	32226	26	05662	02125	04	05690	[illegible]	53	05573	78126

IIIC	13h. G.M.T. 26th Sept. $C_L C_M$	wwVbN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVbN$_h$	DDFWN	01h. G.M.T. 27th Sept. $C_L C_M$	wwVbN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVbN$_h$	DDFWN
388	36	02854	01385				20	01864	00084	40	01862	01213
334												
340	36	10764	01216	48	01662	31324	5-	05568	02128	53	05663	32125
136	20	25855	29485	10	01853	30410	2-	81855	30385	26	01754	28384
336										50	05544	32314
350	10	02855	30126	50	02764	30125	50	05673	30213	5-	05585	26215
368	3	02885	28225	5-	02745	15351	50	05652	32112	88	01453	30114
379	86	02754	32315	57	05663	28285				57	05654	02317
390	26	05654	32315	40	05664	04225	00	05690	32300	07	05690	26227
332	26	02864	05227	93	05665	03227	00	05690	00010	03	0560	00017
438	27	05664	02315	03	02677	28327	50	01753	32313			
430	-0	03865	30126	03	01790	30124	00	00790	02100	13	01763	31213
409	36	25853	30484	36	01954	32425	20	01864	04214	80	8944	30387

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 27th September, 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	cmZ0Y	cZ0Y	FZWX
Croydon	cmbcZ0c	cZ0Ybcz	bc bfgbf
Greenwich	bbc ⊕	cbcY	bcbxn
Camden Square	c	c	*
Kensington	bc	bc	*
Hampstead	bc	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours end[illegible]h. Max. [illegible]ne 22/22h. 25th Min. Time 13/14h. 26th

Stations	Temperature Day Max °F	Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	53	39	21	-	Tr	2·8	*	*
Croydon	55	35	28	-	-	3·7	*	*
Greenwich	56	38	27	-	-	3·1	42	70
Westminster	56	41	34	-	-	*	63	84
Regents Park	57	38	29	-	-	*	43	63
Camden Square	55	39	31	-	-	*	*	65
Kensington	57	38	27	-	-		84	72
Hampstead	54	36	32	-	-	*	*	64

Page 1

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

SECRET

Tuesday 28th September 1943

No. 29895

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

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)	21.8	-4	NNW	2	bc	51	45	31	7	2	–	1	2-3	4-6	2500
	Croydon	22.9	+6	NW	2	bc	54	45	36	7	1	–	2	2-3	4-6	2500
	S. Farnborough	22.1	-10	N	2	b-bc	55	55	39	7	1	–	1	2-3	2-3	3000
	Boscombe Down	22.7	-2	–	0	ebc	53	65	40	7	2	–	–	7-8	7-8	3000
	Thorney Island	22.2	0	W'S	1	bc	58	55	42	8	1	–	2	4-6	4-6	4000
	Lympne	21.7	+6	NNE	3	bc	55	45	32	8	1	6	–	4-6	4-6	3000
	Manston	21.4	+6	NNW	3	bc	53	55	35	8	2	3	–	2-3	4-6	2800
2	Shoeburyness	21.5	-8	NW	2	b-bc	55	45	36	8	1	–	1	1	2-3	4000
	Felixstowe	21.3	-4	NW	5	bc	56	45	34	8	1	–	1	2-3	4-6	4000
	Gorleston	19.9	+10	N'E	3	c/pr	47	75	39	7	8	–	–	9	9	1500
	Mildenhall	21.1	-6	NW'N	3	bc	53	45	35	8	1	–	1	4-6	4-6	4000
	Cranwell	21.0	-14	WSW	3	bc	54	55	37	6	2	–	1	4-6	4-6	3500
3	Birmingham	21.8	-8	WNW	2	bc	50	55	35	7	7	–	–	4-6	4-6	4000
	Upper Heyford	21.8	-10	W'N	1	bc	50	65	36	7	1	–	–	4-6	4-6	3500
4	Ross-on-Wye	22.4	-8	SE	2	b-bc	50	55	35	8	1	–	–	2-3	2-3	3500
5	Hartland Point	23.5	-2	N	3	bc	50	65	37	5	2	4	5	2-3	4-6	2000
	Bristol	22.8	-8	SSW	2	zo	51	65	38	6	2	–	–	9	9	4000
	Portland Bill	22.6	-4	NE	2	ebc	55	85	51	8	5	4	–	4-6	7-8	2500
	Plymouth	23.9	0	NNW	3	cbc	54	65	41	8	1	–	8	4-6	7-8	3000
	The Lizard	24.4	+2	NNW	2	bc	55	65	42	8	2	6	–	4-6	4-6	2500
	Scilly (St. Mary's)	26.1	+4	N	3	bc	56	45	37	8	8	4	5	2-3	4-6	1500
	Guernsey															
6	Pembroke	23.9	-4	NW	3	bc	52	55	36	8	2	4	1	2-3	4-6	2500
7	Holyhead (Valley)	22.3	-12	WN	3	c	51	65	40	8	8	3	5	4-6	9	2500
	Chester (Sealand)	22.1	-6	W	3	c	50	55	34	8	8	–	–	9	9	4000
8	Manchester	21.3	-10	WNW	3	bc	49	55	32	7	1	–	5	4-6	4-6	3000
10	Spurn Head	20.7	-4	W'S	3	bc	50	55	35	7	2	7	4	2-3	4-6	4000
	Catterick (Sc)	19.9	-16	SW	2	cbc	51	55	36	9	1	3	2	1	7-8	4000
	Tynemouth	20.6	-12	W	3	bc	48	55	33	7	2	3	–	4-6	4-6	2500
11	St. Abbs Head	17.7	-16	WNW	3	c	47	45	27	8	5	5	–	4-6	9	3500
	Leuchars	17.5	-20	WSW	3	c	49	45	27	8	1	5	7	Tr	10	3000
12	Renfrew (Abbots I.)	17.5	-30	SSW	3	c	49	45	30	9	–	1	–	0	10	–
	Eskdalemuir	18.7	-16	S'W	3	c	45	55	28	8	1	7	–	Tr	9+	2100
	Point of Ayre	20.4	-16	W	2	c	52	65	40	8	1	7	–	1	9+	3000
13A	Tiree	13.2	-44	S'W	5	roro	48	97	48	6	5	2	–	10	10	1000
13B	Stornoway	09.3	-42	SSW	6	roro	47	92	45	8	5	2	–	4-6	10	1200
15	Dalwhinnie	15.0	-24	SSW	3	c	42	65	32	8	8	1	–	1	10	2500
	Aberdeen	16.2	-18	WSW	2	c	50	45	30	8	5	–	7	2-3	10	2500
	Wick	14.1	-26	SSW	4	c	47	85	43	9	5	2	–	4-6	10	2500
16	Sumburgh	12.8	-16	WSW	2	c	47	65	34	9	4	6	6	2-3	9	2500
17	Blacksod Point	14.7	-50	SSW	6	roro	54	92	52	6	6	2	–	4-6	10	800
18	Malin Head	13.9	-50	S	5	roro	46	85	42	8	–	2	–	10	10	1500
	Aldergrove	19.2	-34	SSW	3	ir	47	65	37	8	5	2	–	2-3	10	4000
19	Birr Castle	21.0	-34	S	2	ir	49	75	42	7	5	–	–	10	10	1500
20	Valentia Obsy.	23.2	-26	SW	4	ir	51	85	47	7	5	2	–	1	10	2500
	Roches Point	24.2	-24	SW	4	c	52	65	41	8	6	7	–	4-6	9	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	21.6	0	NNW	1	zo	49	65	38	5	5	3	–	7-8	7-8	2500	1	•
Croydon	22.3	-2	WSW	2	fg	48	65	37	4	–	3	2	0	9+	–	0	•
S. Farnborough	21.5	-2	WSW	1	c-bc	50	65	40	7	4	7	9	2-3	7-8	3000	0	•
Boscombe Down	21.8	-4	–	0	c	48	75	39	7	4	7	–	1	10	3000	0	•
Thorney Island	21.8	-2	WSW	3	zo	52	65	41	6	9	6	3	4-6	9+	2500	0	•
Lympne	22.0	+2	WNW	1	c-bc	47	65	36	8	5	–	–	7-8	7-8	4000	0	§1
Manston	21.4	0	W'N	1	c	50	56	34	8	5	–	7	7-8	10	3000	0	•
Shoeburyness	21.6	+2	WNW	1	zo	49	65	37	5	5	–	–	7-8	7-8	5700	0	•
Felixstowe	21.1	+2	W'S	2	c-bc	52	45	32	8	–	3	–	0	7-8	–	0	3
Gorleston	20.4	+18	N'W	1	c	49	75	41	7	5	7	–	4-6	10	1500	1	3
Mildenhall	20.5	-2	WSW	2	c	49	65	37	7	5	–	8	7-8	9+	4000	0	•
Cranwell	19.3	-8	WSW	2	zo	46	65	35	6	–	7	7	0	9+	–	0	•
Birmingham	20.3	-4	SSW	2	c	49	55	34	8	5	7	–	7-8	9+	4000	1	•
Upper Heyford	21.1	-4	WSW	1	c	46	75	37	7	–	7	–	0	9	–	0	•
Ross-on-Wye	20.4	-10	SW'S	2	c	49	75	40	7	5	7	–	4-6	10	3000	1	•
Hartland Point	21.7	-16	WNW	4	c	51	65	38	9	5	–	–	9	9	1500	0	4
Bristol	22.0	-4	WSW	3	zo	49	65	37	6	–	5	–	0	9+	–	0	•
Portland Bill	22.0	-2	WNW	2	c	52	85	46	8	5	–	–	9	9	4000	1	3
Plymouth	23.7	-2	NW'W	3	c	51	75	43	7	5	2	–	7-8	9+	2500	1	2
The Lizard	24.1	-4	WNW	3	c	47	65	40	8	5	3	–	7-8	9+	2000	1	3
Scilly (St. Mary's)	24.1	-28	W	4	c	53	65	42	8	5	–	–	9-	9+	1500	1	4
Guernsey																	
Pembroke	20.5	-22	WSW	6	pr	52	65	40	8	7	2	–	7-8	10	2000	0	3
Holyhead (Valley)	16.3	-32	SW'S	8	dodo	50	75	41	8	5	–	–	10	10	2000	1	5
Chester (Sealand)	18.2	-22	SSW	2	c	49	55	35	9	5	2	–	Tr	10	3000	0	•
Manchester	18.6	-16	SW'S	3	c	47	75	38	7	4	2	–	4-6	9	3500	1	•
Spurn Head	18.6	-8	WSW	4	zo	50	55	33	6	5	–	–	10	10	1600	0	2
Catterick (Sc)	17.1	-18	SSW	2	c	45	85	39	8	5	7	–	2-3	10	2500	0	•
Tynemouth	16.4	-18	SW	3	zo	46	65	35	6	8	–	–	9	9	2500	1	4
St. Abbs Head	13.2	-20	SW	3	iro	44	55	28	7	5	–	–	10	10	2500	1	3
Leuchars	12.2	-34	SSW	1	roro	42	75	36	6	–	2	–	7-8	10	2000	1	•
Renfrew (Abbots I.)	09.4	-58	SSE	3	roro	43	97	41	5	6	2	–	4-6	10	600		•
Eskdalemuir	11.6	-42	S'W	4	rr	40	85	36	6	6	2	–	7-8	10	1100	1	•
Point of Ayre	13.2	-40	SW'W	6	roro	47	85	43	8	8	2	–	4-6	10	2500	1	3
Tiree	01.1	-68	S'W	7	rr	51	97	51	5	6	2	–	9	10	300	1	4
Stornoway	00.1	-52	SSE	8	RR	44	97	44	6	5	2	–	7-8	10	700	1	5
Dalwhinnie	08.0	-62	SSE	4	rs	35	92	32	4	–	–	–	10	10	<150	1	•
Aberdeen	11.2	-34	SW	3	c	46	55	33	7	–	2	–	0	10	–	1	2
Wick	08.4	-26	SSW	5	roro	45	97	45	8	6	2	–	4-6	10	1500	1	•
Sumburgh	08.2	-36	S'W	4	Sr	46	85	42	9	5	2	–	4-6	10	1500	1	2
Blacksod Point	08.8	-28	W	6	dd	56	97	55	6	–	2	–	9+	10	800	2	5
Malin Head	03.0	-56	S	5	dr	51	92	49	7	–	2	–	10	10	1500	2	4
Aldergrove	09.3	-64	SSW	4	ido	46	92	44	6	6	2	–	9+	10	400	1	•
Birr Castle	12.7	-60	SSW	4	c	49	92	47	7	–	2	–	7-8	10	800	1	•
Valentia Obsy.	16.9	-34	WSW	5	ir	56	92	54	6	6	–	–	10	10	800	1	4
Roches Point	18.2	-38	SW'W	5	roro	52	97	51	7	6	2	–	4-6	9+	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.–13h. 27th (39)	Weather 13h.–18h. 27th (40)	Weather 18h. 27th to 1h. 28th (41)	Weather 1h.–7h. 28th (42)
London (Kew)	bcmobcy	bcczoy	czoy	crorrocrro
Croydon	bcmofgxbczo	bczoycmgg	czczo	czocrrmco
S. Farnborough	bcfcbcmobzoy	bbcyc	czoyirzo	czororomocir
Boscombe Down	bcmobmobc	cbcbcycbc	moirororo	crorodomo
Thorney Island	bbcy	bcc,ycmo	cmo	cmororoiro
Lympne	bcmobcy	bcybc	bcczo	czomororo
Manston	cbcy	bcy	yczo	czoiromo
Shoeburyness	cwbcbcy	bcycmo	cmo	crriroc
Felixstowe	cmobcy	bcy	bcycymo	cmocirmcdo
Gorleston	bcproc	cprbcc	cq	orro
Mildenhall	cbc	bcycy	cmcroromo	crgmo
Cranwell	bbcbcy	cyczo	cmocroromo	croromo
Birmingham	mcbc	bcc	c	oirobc
Upper Heyford	bcc	bcc	czocroromo	ororomo
Ross-on-Wye	cmocb	bcyc	coq	rorobc
Hartland Point	bcvy	bcprc	cirrrc	crrroro
Bristol	bcfbcmozo	czobczo	circrrcrrm	crorodmoc
Portland Bill	bcc	c	c.	orr
Plymouth	bc	c	ciro	cmororocir
The Lizard	cprbc	bcc	cprrr	orrc
Scilly (St. Mary's)	bcy	bccy	iroc	cmirc
Guernsey				
Pembroke	cbcy	bcc vpr	orrcpr	bcq
Holyhead (Valley)	cprpro	croro	crr	cmoc
Chester (Sealand)	bccy	cy	cyrorozo	crororr
Manchester	bcmozoy	bccy	croromo	rorododomo
Spurn Head	bc	como	orrq	cqrr
Catterick (Sc)	bbc	c	cirorrmo	cdd idomoc
Tynemouth	bcmo	cmo	cmoororoq	oirq
St. Abbs Head	bcc	ccro	omro	cmr
Leuchars	bcy	omoyromo	crrmo	cro bcc
Renfrew (Abbots I.)	cxcbcmoycy	cromorc	crorododo	cdodocmobc
Eskdalemuir	bcxbc	crr	cRRc	cpro
Point of Ayre	bccb	croro	orrc	roroc
Tiree	cciro	rororr	crromobc	bcc
Stornoway	ccirororo	crrmoRRmo	cRRroroiro	bccidobc
Dalwhinnie	co	orsrs	•	orsrs
Aberdeen	bxbccy	cy	pRRrr	orrc
Wick	cprocproc	cciroccroro	crrmfroro	crorormoroc
Sumburgh	bcc	crororc	c	cprbc
Blacksod Point	r	r	d	c
Malin Head	r	r	d	pr
Aldergrove	cciro	irororomoc	cidomoc	cmociroc
Birr Castle	r	r	•	r
Valentia Obsy.	r	r	r	r
Roches Point	bc	r	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday, 28th September, 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	Strong northerly winds, gale locally, gradually becoming light, backing in northwest tomorrow. Local rain and scattered showers today; marked clearances inland tonight; increasing high and medium cloud in northwest later; cold.
8 N.W. England	As 11-12
9 N. Midlands, 10 N.E. England	As 1-7
11 S.E. Scotland, 12 S.W. Scotland & Isle of Man	Strong to gale northerly winds moderating and backing southwest; scattered showers at first; fine tonight; rain later; cold.
13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Variable or northerly light winds, backing southerly and freshening strong to gale; A few showers at first; general rain and hill fog soon spreading east; cold.
16 Orkneys and Shetlands	As 13A -15.
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Fresh northerly winds moderating, then backing southwest and freshening. A few showers at first; rain and hill fog spreading from west later; rather cold.

(Gale warning signs ✦ against districts 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.)

GENERAL INFERENCE

An intense depression off northeast England is moving southeast and a ridge of high pressure followed by a trough is approaching the British Isles from the west. There will be scattered rain or showers in most districts at first, with widespread strong to gale winds soon moderating. There will be a renewal of southerly gales later in the north, with rain in north and west.

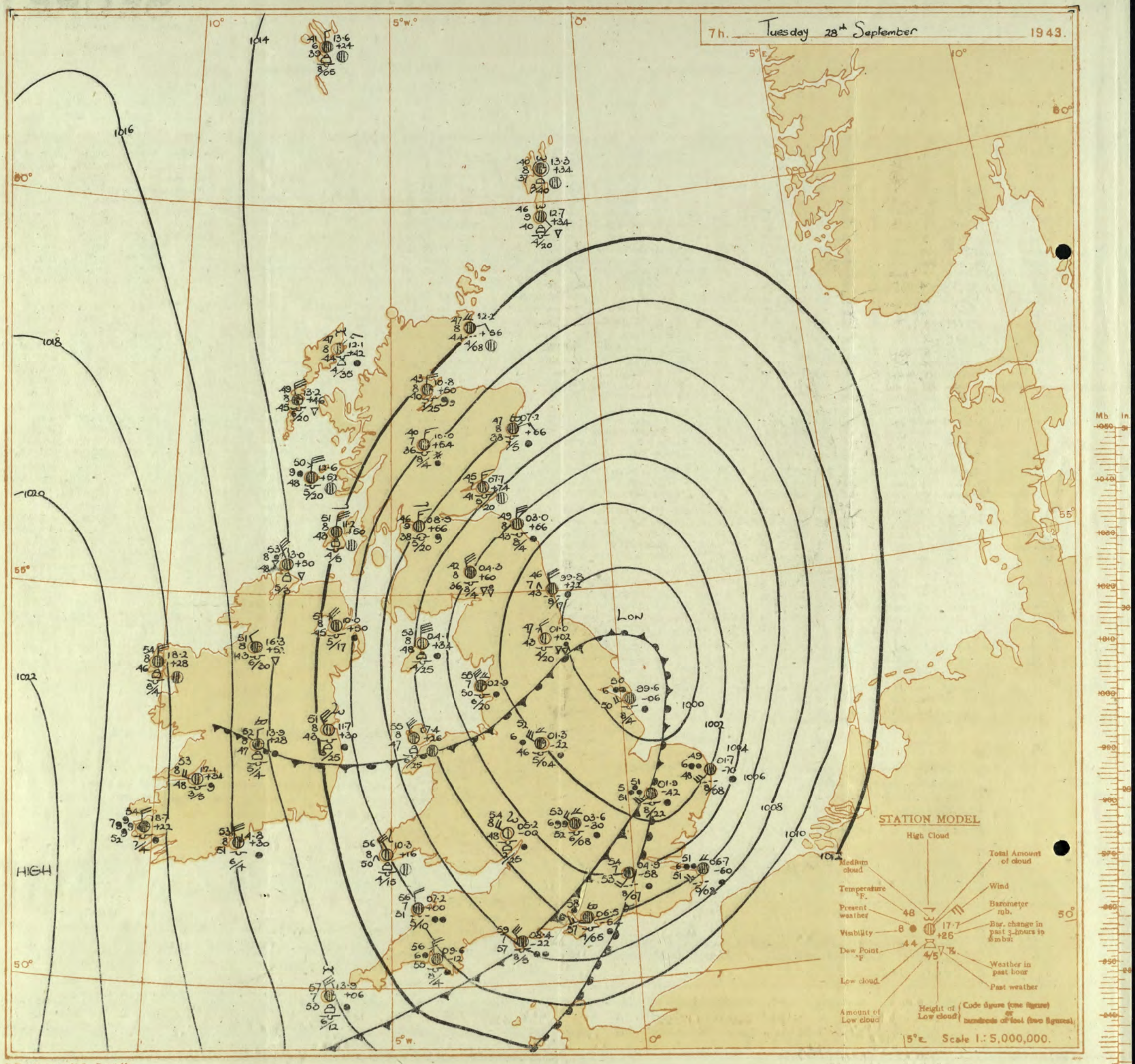
FURTHER OUTLOOK

Rain spreading east and southeast to all districts, followed by showery conditions from the northwest. ✦ Gale warning in operation in districts 6, 7, 8 (part of) issued 1910 G.M.T. 27.9.43. also in 1, 2, 3, 4, 5, 8 (part of) 9, 10. issued 2250h G.M.T. 27.9.43.

Forecasts issued at 10.30

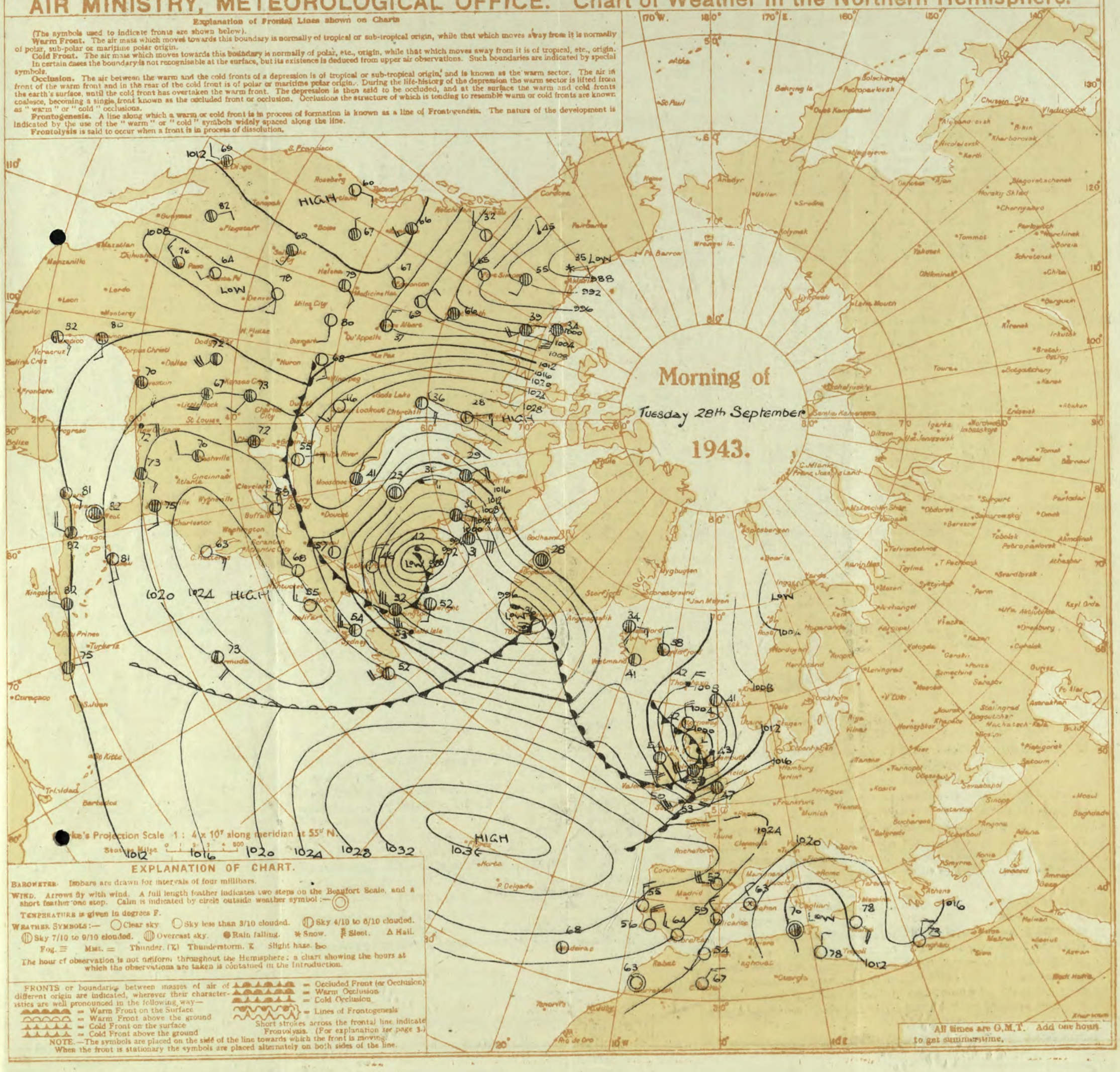
NELSON K. JOHNSON, K.C.B., D.Sc., Director.

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.

Page 4. **BRITISH SECTION**

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

Tuesday 28th September 1943

No. 29895

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	50	*	*	*	*	*	*	*	*	*
	Croydon	290	17·3	-38	SW	4	z₀	47	65	37	6	5	7	–	7-8	10	4000
	S. Farnborough	226	15·7	-44	WSW	4	z₀	48	75	40	6	5	–	–	10	10	6400
	Boscombe Down	417	15·0	-48	SSW	5	r₀r₀	46	85	43	7	6	2	–	7-8	10	1200
	Thorney Island	10	16·9	-38	SW	4	z₀	53	65	42	6	5	1	–	2-3	10	1500
	Lympne	283	17·2	-38	WNW	3	z₀	50	75	40	6	5	2	–	1	10	2500
	Manston	154	18·0	-24	SW'S	3	z₀	49	65	39	6	–	3	7	0	10	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	16·9	-28	SSW	4	z₀	53	75	42	6	–	2	–	0	10	–
	Gorleston	5	15·1	-40	SW	5	c	49	75	42	7	5	–	–	10	10	1500
	Mildenhall	15	14·4	-36	S'W	4	r₀r₀	47	85	41	6	–	2	–	10	10	4600
	Cranwell	203	09·4	-58	SW	6	r₀r₀	43	97	43	6	6	2	–	4-6	10	3000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	14·0	-46	SW	5	r₀r₀	45	85	41	6	–	2	–	10	10	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10·6	-56	W	6	rr	54	97	54	6	6	2	–	7-8	10	450
	Bristol	209	13·9	-62	SSW	5	r₀r₀	43	85	43	6	–	2	–	10	10	2500
	Portland Bill	32	20·2	-18	SSW	4	c	50	92	48	8	5	–	–	10	10	4000
	Plymouth	86	17·9	-38	WSW	6	r₀r₀	53	97	53	6	5	–	–	10	10	1500
	The Lizard	240	17·0	-46	WSW	7	rr	54	97	54	6	5	–	–	10	10	800
	Scilly (St. Mary's)	163	16·8	-36	WSW	7	ir₀	53	97	52	6	5	–	–	10	10	600
	Guernsey	175															
6	Pembroke	142	10·1	-22	W	8	o/pr	56	97	55	7	5	–	–	10	10	800
7	Holyhead (Valley)	32	06·0	-16	WSW	6	o/d	55	97	54	6	6	2	–	10	10	2000
	Chester (Sealand)	16	06·3	-58	WSW	3	ir₀	55	85	50	6	5	–	–	10	10	1500
8	Manchester	230	05·2	-72	S'W	5	r₀r₀	46	92	45	6	6	2	–	7-8	10	700
10	Spurn Head	29	09·3	-50	S	7	rr	45	92	43	6	3	–	–	10	10	1500
	Catterick (Sc)	192	03·7	-62	SSW	4	dd	43	97	43	5	5	–	–	4-6	10	900
	Tynemouth	108	00·6	-78	S	6	r₀r₀	43	97	42	6	8	–	–	10	10	2500
11	St. Abbs Head	280	98·0	-56	S	5	rr	41	97	41	6	5	–	–	10	10	1500
	Leuchars	36	97·8	-56	–	0	r₀r₀	48	97	42	7	6	2	–	4-6	10	300
12	Renfrew (Abbots I.)	19	99·2	-4	–	0	d₀d₀	44	97	44	5	6	2	–	4-6	10	800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	01·9	-22	WNW	6	r₀r₀	55	97	54	7	6	2	–	4-6	10	800
13A	Tiree	44	01·4	-18	NW	7	b	53	92	51	9	5	–	–	1	1	1800
13B	Stornoway	12	02·6	-54	NNW	4	b-bc	42	97	41	7	5	–	–	2-3	2-3	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	00·3	-40	SSE	4	rr	44	92	42	6	–	2	–	10	10	1100
	Wick	114	03·8	-4	SSE	5	r₀r₀	42	92	41	6	–	2	–	10	10	400
16	Sumburgh	19	07·0	+2	ESE	3	c	47	75	40	8	5	7	–	4-6	9+	1500
17	Blacksod Point	18	12·1	+26	S'W	6	c/d	54	92	52	7	6	–	–	9+	9+	1500
18	Malin Head	84	04·2	+18	NW'N	7	id₀	53	92	51	8	8	–	–	7-8	7-8	800
	Aldergrove	268	03·5	-4	WNW	5	z₀	54	85	49	6	6	2	–	7-8	10	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16·0	+6	NW'N	5	d₀d₀	56	92	54	6	5	–	–	10	10	800
	Roches Point	22	12·0	-14	NW	6	ir	52	97	51	7	6	2	–	4-6	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 28th September

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	03·3	-28	WSW	3	r₀r₀	54	97	53	5	6	2	–	7-8	10	1500	1	*
	Croydon	04·9	-58	SSW	4	c	54	97	53	7	6	–	–	10	10	700	1	*
	S. Farnborough	04·1	-46	W	4	ir₀	55	97	54	8	5	–	–	10	10	800	1	*
	Boscombe Down	06·5	-30	WNW	5	c/d	55	92	53	7	5	7	–	7-8	10	1000	1	*
	Thorney Island	06·5	-54	WSW	4	ir₀	58	97	57	6	5	7	–	4-6	10	500	1	*
	Lympne	05·5	-70	SW	6	rr	51	97	51	4	–	2	–	10	10	600	0	§ 7
	Manston	06·7	-66	SW'S	7	r₀r₀	51	97	51	6	6	2	–	7-8	10	800	1	*
2	Shoeburyness	04·6	-60	SSW	6	o/r	53	92	52	7	5	–	–	10	10	800	1	*
	Felixstowe	02·9	-54	SSW	6	d₀d₀	52	92	51	5	–	2	–	0	10	–	1	5
	Gorleston	01·7	-70	SW	6	r₀r₀	49	97	48	6	6	–	–	10	10	800	1	4
	Mildenhall	01·9	-42	SW	5	rr	51	97	51	5	5	–	–	10	10	800	1	*
	Cranwell	00·7	-18	NW	5	o/r	52	97	51	6	5	–	–	10	10	600	1	*
3	Birmingham	03·5	-4	WNW	4	b-bc	53	85	49	7	5	–	–	2-3	2-3	800	1	*
	Upper Heyford	03·6	-30	W'N	4	d₀d₀	53	97	52	6	5	2	–	9	10	800	1	*
4	Ross-on-Wye	05·2	0	W'N	4	b	54	85	48	8	7	–	9	1	1	2500	1	*
5	Hartland Point	07·2	0	NNW	4	o/r	56	85	51	7	6	2	–	7-8	10	1000	1	5
	Bristol	07·2	-10	NW'W	5	o/d	55	85	52	8	5	–	–	9+	9+	1500	1	*
	Portland Bill	08·4	-22	WNW	6	o/r	59	92	55	7	5	–	–	10	10	2500	1	5
	Plymouth	09·6	-12	NW	5	ir₀	56	97	55	6	5	–	–	10	10	1000	1	4
	The Lizard	12·2	-4	WNW	6	c/r	56	97	56	6	5	–	–	9+	9+	800	1	5
	Scilly (St. Mary's)	13·9	+6	NW'N	6	c	57	85	53	7	8	6	–	9	9+	1200	1	5
	Guernsey																	
6	Pembroke	10·3	+16	NW	6	bcq	56	85	50	8	8	4	–	4-6	4-6	1500	1	4
7	Holyhead (Valley)	07·4	+26	NW'N	7	c	55	75	47	8	9	–	–	9	9	2500	1	5
	Chester (Sealand)	04·0	+2	NW'W	7	c/r	55	75	47	6	5	2	–	9	10	1500	1	*
8	Manchester	02·1	-2	WNW	5	d₀d₀	52	97	51	6	6	2	–	7-8	10	1500	1	*
10	Spurn Head	99·6	-6	W'S	4	r₀r₀	50	97	50	6	5	–	–	10	10	1300	1	4
	Catterick (Sc)	01·0	+2	NW	4	bc/pr	47	85	43	7	5	–	–	4-6	4-6	2000	1	*
	Tynemouth	99·8	+22	NW	6	oq	46	92	43	7	6	–	–	10	10	1700	1	4
11	St. Abbs Head	03·0	+66	N	6	c	49	75	43	8	5	–	–	10	10	2000	1	5
	Leuchars	07·7	+76	N	3	c-bc	45	85	41	7	5	–	–	7-8	7-8	2000	1	*
12	Renfrew (Abbots I.)	08·9	+66	N'E	3	c-bc	46	75	38	9	4	–	1	7-8	7-8	2000	1	*
	Eskdalemuir	04·3	+60	NNW	6	c/pr	42	85	36	8	5	–	–	10	10	1300	1	*
	Point of Ayre	04·1	+34	N	8	bc	53	85	48	8	8	–	–	4-6	4-6	2500	1	5
13A	Tiree	12·6	+52	N	6	ir₀	50	92	48	9	5	–	–	7-8	7-8	2000	1	5
13B	Stornoway	12·1	+42	NE	3	bc	47	85	44	8	7	6	–	4-6	4-6	3500	1	1
15	Dalwhinnie	10·0	+52	NNE	3	o	40	85	36	7	5	–	–	10	10	1500	1	*
	Aberdeen †	07·2	+66	ENE	3	c	47	85	42	8	5	7	–	9+	10	2800	1	4
	Wick	12·2	+56	ENE	2	c	47	92	44	8	6	2	–	4-6	10	800	1	*
16	Sumburgh	12·7	+34	ESE	2	bc	46	85	40	9	8	3	–	4-6	4-6	2000	1	2
17	Blacksod Point	18·2	+28	N	5	c	54	75	47	8	8	–	–	10	10	1500	2	4
18	Malin Head	13·0	+50	NNW	7	pr	53	85	49	8	8	–	–	7-8	7-8	800	2	5
	Aldergrove	10·0	+50	NW	6	c-bc	51	75	45	8	5	–	–	7-8	7-8	1700	1	*
19	Birr Castle	13·9	+28	N	1	c	52	85	48	8	8	7	–	7-8	9	1500	1	*
20	Valentia Obsy.	13·7	+22	N'W	4	DD	54	92	52	7	5	–	–	9+	9+	1600	1	6
	Roches Point	14·8	+30	NNW	6	c	53	92	51	8	5	–	–	9	9	1500	1	4

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 27th Hrs. (38)
1	London (Kew)	54	46	35	–	6	6·6
	Croydon	54	44	41	–	5	7·6
	S. Farnborough	56	46	36	–	1	6·0
	Boscombe Down	54	44	44	–	3	7·0
	Thorney Island	60	48	43	–	1	*
	Lympne	*	42	33	–	4	8·2
	Manston	54	44	41	–	2	6·5
2	Shoeburyness	56	45	38	–	4	8·1
	Felixstowe	58	48	45	–	6	[illegible]·8
	Gorleston	52	45	43	0·5	7	3·7
	Mildenhall	56	44	40	–	10	8·5
	Cranwell	54	41	37	–	9	9·1
3	Birmingham	54	44	42	–	1	4·7
	Upper Heyford	52	45	41	Tr	5	*
4	Ross-on-Wye	53	47	45	–	1	4·4
5	Hartland Point	52	52	49	0·2	4	5·7
	Bristol	54	46	43	–	2	6·0
	Portland Bill	56	49	*	–	0·4	*
	Plymouth	55	49	46	–	4	5·6
	The Lizard	56	50	*	0·1	1	8·5
	Scilly (St. Mary's)	58	52	*	–	2	8·8
	Guernsey						
6	Pembroke	53	50	*	Tr	3	4·0
7	Holyhead (Valley)	53	49	47	1	4	*
	Chester (Sealand)	53	49	44	–	2	5·6
8	Manchester	49	44	43	–	8	*
10	Spurn Head	53	43	*	Tr	9	6·6
	Catterick (Sc)	52	41	41	–	5	6·7
	Tynemouth	50	42	41	–	12	*
11	St. Abbs Head	48	37	*	Tr	17	*
	Leuchars	51	39	38	0·6	8	5·7
12	Renfrew (Abbots I.)	50	43	40	1	7	3·8
	Eskdalemuir	47	38	38	0·4	23	4·3
	Point of Ayre	59	46	*	0·3	8	3·4
13A	Tiree	52	48	46	14	3	0·0
13B	Stornoway	50	41	38	8	9	0·0
15	Dalwhinnie	42	33	32	4	10	0·6
	Aberdeen †	50	35	33	–	32	4·7
	Wick	49	41	39	0·4	7	*
16	Sumburgh	47	43	32	0·4	0·4	4·9
17	Blacksod Point	56	52	*	11	1	*
18	Malin Head	51	50		1	2	0·0
	Aldergrove	47	45	45	2	1	0·0
19	Birr Castle	50	49	49	3	1	0·0
20	Valentia Obsy.	56	53	52	12	7	0·0
	Roches Point	54	52	*	1	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC_L C_M (13h. G.M.T. 27th September)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 28th September)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
109 52	22755	18468	52	02843	50528	5-	64558	45468	87	02856	10227
115			52	62885	49568						
203			5-	64838	16568						
206 01	02990	22528	62	64644	03468	62	02745	32268	5-	21857	32457
210 52	20328	14648	52	64661	15368	02	64658	14268	57	22845	31368
219 52	64646	16668	02	54418	16568	80	01744	30724	5-	02856	31686
230 52	61954	14228	62	64636	12468	52	21745	24366	7-	01954	32224
245 70	02963	22317	62	64645	20468	02	64546	48468	8-	02946	01466
260 53	02754	20225	02	64338	14268	5-	51138	16658	5-	05645	28456
278											
279 15	02961	20327	52	61854	16458	62	61645	20668	87	02854	63569
285 13	02863	26416							27	05635	30617
288 13	02862	20316	52	02851	18328	02	62658	49768	5-	22637	61567
575 62	62634	22478	62	54625	51658	52	21644	53598	9-	02866	28286
301 26	02855	23316	62	62744	18468	02	62648	18668	52	02756	28667
321 20	05664	24114	57	05663	22127	02	62648	49568	5-	05646	26466
298 84	01754	28315	5-	05648	22228	8-	14748	22668	8-	22668	20368
292 ⊢	02965	20216	57	02864	20228	62	62546	18568	5-	61757	95567
310			--	01634	24314						
614 10	01763	22314	07	05690	22126	02	64538	51368	54	05636	55427

IIIC_L C_M (13h. G.M.T. 27th September)	wwVhN_h	DDFWN	C_L C_M (18h. G.M.T.)	wwVhN_h	DDFWN	C_L C_M (01h. G.M.T. 28th September)	wwVhN_h	DDFWN	C_L C_M (07h. G.M.T.)	wwVhN_h	DDFWN
388 23	25864	18287	17	61865	2-468	52	05645	53568	8-	22756	63566
334 --	02744	29215	--	03647	28328				--	02636	26417
340 80	01765	32124	57	02953	22327	52	61745	52568	53	22944	30364
136 16	01764	27214	52	01863	21118	02	64658	20428	62	64527	20468
336 13	02753	04316	53	02753	24328				80	25755	28585
350 73	01764	26215	07	05690	20226	02	64668	49468	5-	64735	22468
368 50	02654	30115	57	02954	24216				57	05644	57665
379			47	05664	20217	5-	22648	53568	5-	02736	26568
390 10	01763	28113	47	05561	20114	02	08490	17228	52	62436	51468
382 2-	02765	30225	53	05564	23127	5-	61768	53568	62	59636	60468
438						52	02754	20928	9-	67208	20768
430 10	01864	02114	43	01644	20115	57	02764	51628	5-	21646	53558
400 26	25954	01326	25	02961	24327	02	62638	20568	57	51834	60557

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 28th September
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	bcm, bcy	bcz₀y	cz₀ycr₀
Croydon	bcm₀f₀g x bcz₀	bcz₀cmg	cz₀z₀ymc
Greenwich	by	bbccy	cmcirc
Camden Square	bc	bc	*
Kensington	bc	bc	*
Hampstead	bc	orbc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. Time: 0·5 18–19h 27th
Min. Time: <0·1 0–6h 28th

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	54	46	35	–	6	6·6	*	*
Croydon	54	44	41	–	5	7·6	*	*
Greenwich	55	46	34	–	6	7·2	41	86
Westminster	57	47	41		7·		89	95
Regents Park	56	47	43	–	9		45	87
Camden Square	57	46	43	–	10	*	*	81
Kensington	57	46	39	–	9		63	87
Hampstead	55	43	38	–	9		*	95

SECRET

Page 1 BRITISH SECTION

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

Wednesday 29th September 1943

No. 29896

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

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)	06·9	+22	NNW	4	c/r	55	65	42	6	5	3	–	9+	10	1500
	Croydon	07·0	+18	NW'N	5	zo	53	65	43	6	5	–	–	9+	10	1500
	S. Farnborough	07·5	+20	NW'N	5	c	55	65	43	7	7	7	–	9+	10	1500
	Boscombe Down	09·8	+24	NNW	6	c	54	55	40	8	8	6	–	9+	9+	1400
	Thorney Island	07·6	+12	NW	5	bc	58	65	45	9	8	–	–	4-6	4-6	2500
	Lympne	04·3	+10	NNW	4	zo	56	85	50	6	5	–	–	4-6	9+	800
	Manston	03·7	+10	NW	4	zo	57	85	51	6	5	7	–	7-8	10	1600
2	Shoeburyness	05·3	+22	NW	4	roro	52	85	46	6	5	–	–	10	10	1500
	Felixstowe	04·0	+18	NNW	6	c	54	85	48	7	5	–	–	10	10	2500
	Gorleston	02·0	+14	NNW	4	c/pr	53	85	48	7	6	–	–	10	10	2000
	Mildenhall	05·0	+30	NWN	5	c	52	85	48	7	5	2	–	7-8	10	1500
	Cranwell	06·5	+22	NNW	6	dodo	51	92	48	6	5	2	–	7-8	10	600
3	Birmingham	09·2	+28	NW	5	cbc	52	65	41	8	5	7	–	4-6	7-8	2500
	Upper Heyford	08·0	+36	NNW	6	c	51	65	41	8	5	–	–	2-3	10	1000
4	Ross-on-Wye	11·1	+36	N'W	5	cq	54	65	41	8	8	–	5	7-8	9	3500
5	Hartland Point	14·8	+18	NNW	4	c	56	75	48	8	5	6	–	7-8	9	1500
	Bristol	11·8	+32	NW	6	c	57	55	41	8	5	–	5	7-8	9+	2500
	Portland Bill	09·8	+8	N	6	c-bc	60	75	54	8	2	–	–	7-8	7-8	4000
	Plymouth	13·8	+14	NWN	6	c	58	75	50	8	6	–	–	9+	9+	2000
	The Lizard	15·6	+26	NW	6	cbc/pr	57	75	49	8	8	4	–	7-8	7-8	1500
	Scilly (St. Mary's)	17·8	+18	N	6	c	59	65	47	8	8	6	5	4-6	9+	1500
	Guernsey															
6	Pembroke	15·1	+10	NNW	7	cq	57	65	45	8	7	4	–	7-8	9	2000
7	Holyhead (Valley)	15·5	+30	N'W	6	cbc	56	55	36	8	8	3	1	4-6	7-8	3000
	Chester (Sealand)	12·1	+26	NNW	6	cbc	56	55	42	8	8	6	9	4-6	7-8	3500
8	Manchester	11·1	+36	NNW	4	zo	51	75	43	6	2	–	–	9+	9+	1500
10	Spurn Head	04·4	+34	N	6	cq	54	85	49	7	8	–	–	9+	9+	1600
	Catterick (Sc)	08·8	+38	N	6	bc	54	75	47	8	8	6	–	4-6	4-6	2000
	Tynemouth	11·3	+20	N	8	cq	52	85	49	7	2	–	–	9	9	2200
11	St. Abbs Head	13·4	+34	N	5	c	51	75	45	7	5	2	–	7-8	10	2000
	Leuchars	15·4	+30	N	3	c	52	75	43	8	5	7	–	4-6	9	5500
12	Renfrew (Abbots I.)	16·3	+22	N'E	4	c	55	55	40	9	5	–	9	4-6	9+	2500
	Eskdalemuir	14·4	+26	N'E	5	c	49	75	40	8	8	4	–	9+	9+	1500
	Point of Ayre	15·5	+38	NE	5	bc	55	65	45	8	4	–	4	1	4-6	3000
13A	Tiree	18·2	+16	N'W	4	c-bc	54	85	50	9	5	3	9	4-6	7-8	3000
13B	Stornoway	16·1	+6	WSW	2	c	50	85	45	8	5	–	–	10	10	1800
15	Dalwhinnie	17·0	+20	NNE	1	c	46	85	41	8	5	–	–	9+	9+	1500
	Aberdeen	16·3	+28	NNE	2	c	51	75	43	7	5	3	–	2-3	9+	2000
	Wick	15·0	−2	SE	1	c	53	85	47	8	8	–	5	7-8	9	2500
16	Sumburgh	15·6	+6	SSE	2	c	52	75	44	8	2	–	6	4-6	9	2500
17	Blacksod Point	22·2	+10	N'W	6	bc	56	65	44	8	8	5	–	4-6	4-6	2500
18	Malin Head	18·7	+20	N	5	c	53	65	42	8	8	–	–	9	9	800
	Aldergrove	17·5	+18	NNW	4	c	54	75	45	9	8	3	–	7-8	9+	2000
19	Birr Castle	21·4	+26	NNE	3	bc	60	65	48	8	1	–	8	2-3	4-6	2500
20	Valentia Obsy.	23·3	+10	NNW	4	bc	58	75	50	8	5	3	–	4-6	4-6	2500
	Roches Point	20·1	+14	N	6	bc	59	65	47	9	2	–	5	2-3	4-6	2500

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

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)	11·9	+30	NNE	4	zo	55	65	45	6	5	[illegible]	–	9	10	1500	1	*
Croydon	12·0	+30	NW	5	m/d	52	85	48	4	5	2	–	9+	10	1000	1	*
S. Farnborough	12·4	+32	NNW	4	c/d	54	75	45	6	5	7	–	7-8	10	2100	0	*
Boscombe Down	14·5	+32	NNW	4	c	53	65	42	7	5	–	–	4-6	9+	1600	0	*
Thorney Island	12·4	+28	NW	4	c	55	66	43	7	5	7	–	4-6	10	2500	0	*
Lympne	10·2	+32	N	3	zo	49	92	47	5	5	3	–	4-6	9	1000	1	2
Manston	09·4	+32	NNW	3	zo	51	85	48	6	5	7	–	4-6	9+	1500	1	*
Shoeburyness	10·6	+26	NNW	1	zo	52	92	50	6	5	2	–	7-8	10	2500	1	*
Felixstowe	09·4	+34	NNW	4	l	52	85	48	7	–	2	–	0	1	–	0	3
Gorleston	08·4	+42	N'W	2	zo	54	85	49	6	8	4	–	2-3	2-3	2500	1	2
Mildenhall	10·7	+38	NNW	4	c	54	92	51	7	5	–	–	7-8	10	900	1	*
Cranwell	12·2	+24	NNW	5	c	53	85	48	7	5	–	–	10	10	1500	.	*
Birmingham	14·5	+28	NNW	4	zo	52	65	41	6	5	–	2	1	7-8	2500	1	*
Upper Heyford	12·6	+36	NNW	6	c	53	65	41	7	5	–	–	9+	9+	3500	0	*
Ross-on-Wye	15·7	+30	NNW	4	c	53	65	42	8	5	–	1	9	9	3000	1	*
Hartland Point	17·7	+20	N	6	bc	55	65	45	8	2	–	4	4-6	4-6	2000	0	5
Bristol	16·5	+28	N'W	5	c-bc	52	65	41	7	4	–	1	7-8	7-8	4000	1	*
Portland Bill	15·0	+22	N	5	c	55	75	49	8	5	4	–	4-6	9	4000	1	4
Plymouth	17·4	+28	NNW	5	bc	55	75	49	8	4	–	5	2-3	4-6	2500	1	3
The Lizard	19·0	+32	NW	4	c-bc	55	75	47	8	8	–	–	7-8	7-8	1500	0	4
Scilly (St. Mary's)	20·7	+18	N'W	5	c-bc	56	75	47	8	8	4	9	4-6	7-8	1500	0	3
Guernsey																	
Pembroke	19·8	+16	N'E	5	cbcq	55	75	45	8	8	6	–	4-6	7-8	2000	0	3
Holyhead (Valley)	19·1	+26	N'W	4	b-bc	53	65	43	8	4	4	1	2-3	2-3	3500	1	3
Chester (Sealand)	16·8	+30	NNW	4	c-bc	53	75	44	8	4	4	1	4-6	7-8	3000	0	*
Manchester	16·4	+36	NW'N	3	zo	51	75	42	6	4	–	1	4-6	4-6	3000	1	*
Spurn Head	10·7	+26	N	7	cq	65	85	52	7	8	–	–	9	9	1500	0	4
Catterick (Sc)	16·3	+44	N	5	zo	50	92	48	6	5	–	1	4-6	4-6	3000	0	*
Tynemouth	17·2	+30	NNW	5	bc	52	92	50	7	2	4	–	4-6	4-6	2400	1	4
St. Abbs Head	16·2	+14	N	3	c-bc	51	75	45	7	6	2	–	4-6	7-8	2000	0	4
Leuchars	16·6	+6	–	0	zo	51	85	45	6	5	2	–	2-3	10	4000	0	*
Renfrew (Abbots I.)	17·1	+6	NNW	1	c	52	75	43	8	5	4	–	4-6	9+	2000	1	*
Eskdalemuir	18·0	+20	NW	1	c-bc	48	85	42	7	5	4	–	7-8	7-8	1800	1	*
Point of Ayre	18·5	+12	N	5	bc	54	75	46	8	5	3	9	2-3	4-6	4000	0	3
Tiree	17·5	−6	WSW	4	c	52	92	50	9	7	–	–	10	10	1500	1	3
Stornoway	11·5	+26	SSW	6	roro	48	97	48	6	5	2	–	4-6	10	1200	1	4
Dalwhinnie	16·5	−2	SSE	2	pr	45	75	38	8	8	2	–	2-3	10	2500	1	*
Aberdeen	16·0	0	–	0	m	50	85	45	4	4	2	–	2-3	10	5700	1	1
Wick	14·5	−12	SW	3	c	49	92	47	8	5	2	–	7-8	10	2500	1	*
Sumburgh	13·0	−18	S'W	4	iro	49	85	45	8	5	2	–	7-8	10	2000	0	2
Blacksod Point	22·0	−2	W'S	3	c	54	85	50	8	6	–	–	10	10	1500	1	3
Malin Head	18·8	−2	N	3	c	53	75	45	8	5	–	–	10	10	1500	2	3
Aldergrove	19·9	+10	NW'W	1	c	50	75	44	7	5	7	8	2-3	9	2500	1	*
Birr Castle	21·3	+6	NNW	2	c	55	75	47	8	5	–	–	9	9	2500	1	*
Valentia Obsy.	24·4	+8	NW'N	4	c	55	85	51	8	5	3	4	4-6	9	2500	1	3
Roches Point	21·7	+14	N	6	bc	57	85	52	3	5	3	–	2-3	4-6	2500	1	4

PAST 24 HOURS. Weather

Stations	7h.–13h. 28th (39)	13h.–18h. 28th (40)	18h. 28th to 1h. 29th (41)	1h.–7h. 29th (42)
London (Kew)	docroiro	roidocmo	czo	czo mo
Croydon	croroczo	czo cdo dor	cmczo cmo	cmo owcmo fgm
S. Farnborough	cirobcc	ciroido cmo	czo mo	cmo
Boscombe Down	cbccproc	c	ccmo	cmo bcmo cmo
Thorney Island	c	c	cmo bcmo	cmo c
Lympne	crrmroromo	cpro cmo	cmbcmo	bomo ido m
Manston	rrc	cro romoc	cmo	cmo
Shoeburyness	croroc	cmoidocmo	cmo	cmo w
Felixstowe	crrcirocidoc	cbcb	cmo bcmo w	cmo w
Gorleston	pro	bc	bccoro roo	cbc
Mildenhall	crrmocroc	ccidomo iroc	cid omo bmcmo	cirom ocm
Cranwell	ccdodomo	cdo do cmc	cro ro mo cmo	cmo
Birmingham	bcc	cbcc	bc	bcczz
Upper Heyford	odomobcc	c	czo cmo	cmo iro
Ross-on-Wye	bccbc	cbcc	cb	bcc
Hartland Point	cprbcc	cbc	bc	bcc
Bristol	cbcvbce	cyb cy	bcbzo b	bbccc mo
Portland Bill	c	c	c	bcc
Plymouth	ciro	cproc	bc	q bbcc
The Lizard	cpor	c	cbc	bcc
Scilly (St. Mary's)	cpoc	c	cbc	bcbc
Guernsey				
Pembroke	bcprcq	cq	bcb	bciro c
Holyhead (Valley)	cbc	bcc	bcc	cido m
Chester (Sealand)	cmororozobccj	cybcc	bcb, c	c
Manchester	dodomoczo	cbczo	czo cmo	cmo iro
Spurn Head	cq	cq	c	cmo
Catterick (Sc)	ccprobc	bcmoc	ciro moc	bcc
Tynemouth	cpo cq	cqbc	oirro ro	oro ro bcc
St. Abbs Head	cidoc	cmo	oiro moc	c
Leuchars	cbce	ccmo	cro ro rrc	ccmo
Renfrew (Abbots I.)	bccbc	cybcc	cro ro cmo	cmo cdo do cmo
Eskdalemuir	cproc	c	cro ro	odo do f
Point of Ayre	bcb	bcc	cdo	do do c
Tiree	iro cbc	ciroc	cdo do	do do c
Stornoway	c	cc roro	cmo ro ro iro m	cido mo do cmo
Dalwhinnie	oc	copro	*	prrbc
Aberdeen	cprc	cbccuz	corrzzo	c
Wick	cbcc	c	cro ro ciro	cbcc ido c
Sumburgh	bcv	cpro	cro ro	cro ido
Blacksod Point	bc	c	d	d
Malin Head	pr	c	d	d
Aldergrove	cbcc	cbcc	c	ccmo
Birr Castle	bc	c		d
Valentia Obsy.	pr	bc	d	d
Roches Point	bc	bc	bc	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 29th September 1943.

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands	Wind westerly, freshening, veering northwest later; cloudy occasional light rain or drizzle; rather cold.
4 W. Midlands, 5 S.W. England, 6 South Wales	Moderate to fresh west to northwest winds; mainly cloudy; occasional drizzle especially near coast; rather cold.
7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England, 11 S.E. Scotland	Westerly winds freshening becoming strong at times on West coast, veering northwest later; cloudy or dull; occasional rain; some brighter intervals later; rather cold or cold.
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Winds southwest fresh increasing strong to gale at times on coast; veering west to northwest later; dull, rain at times, brighter periods and showers later; mainly rather cold but rather warm temporarily in the East, becoming colder again.
16 Orkneys and Shetlands	As 12-15
17 N. W. Ireland, 18 N. E. Ireland	As 7-11.
19 S. E. Ireland, 20 S. W. Ireland	As. 4-6.

GENERAL INFERENCE

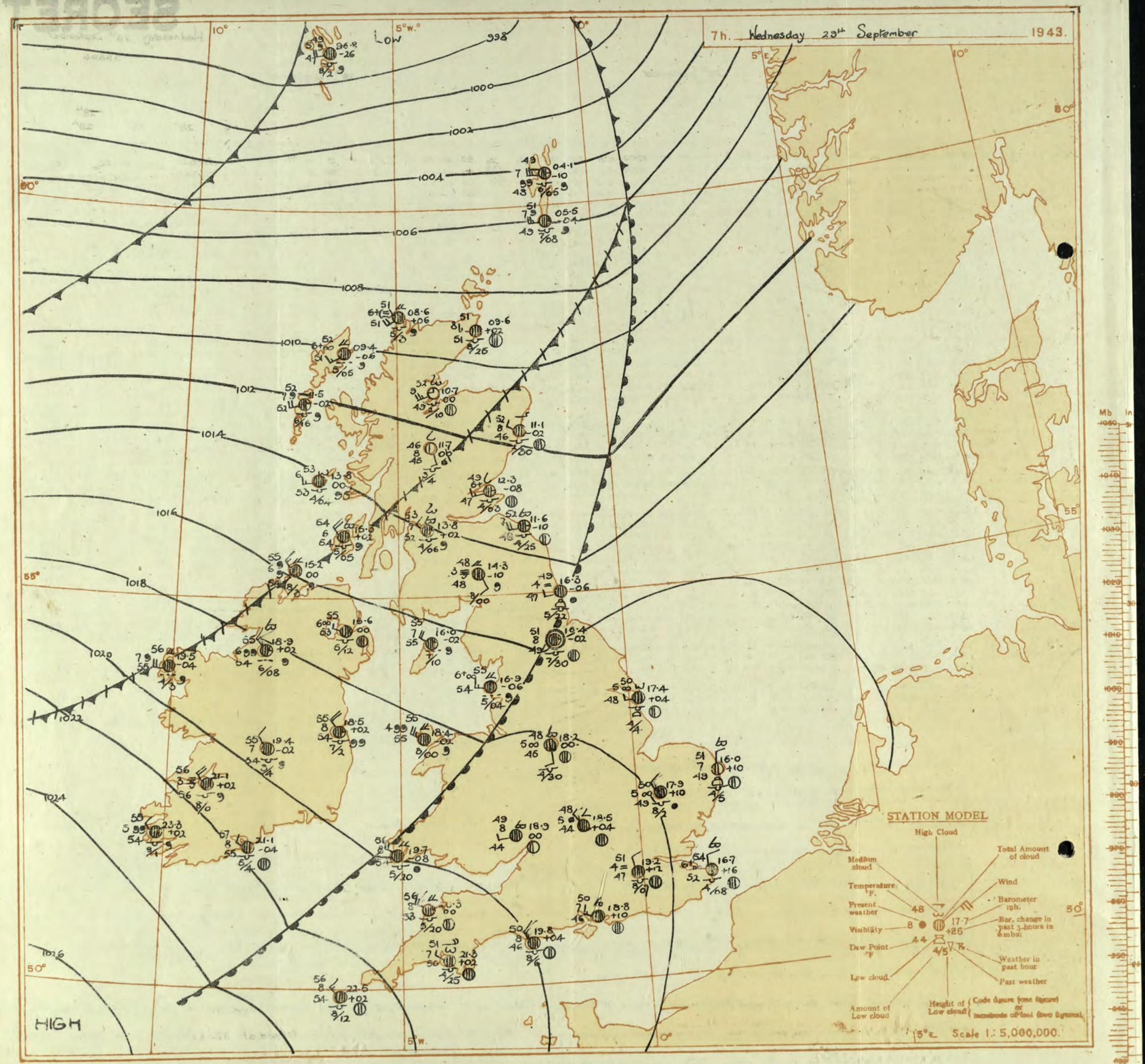
A complex depression near Iceland will move slowly northeast whilst pressure is high to the southwest of the British Isles. Weather will be mainly cloudy and rather cold with occasional light rain or drizzle in many districts.

FURTHER OUTLOOK

Rather cold northwest winds with showers especially in the North & Gale warning in operation in districts 13b and 16. Issued at 1130h. G.M.T. 29th September 1943.

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.

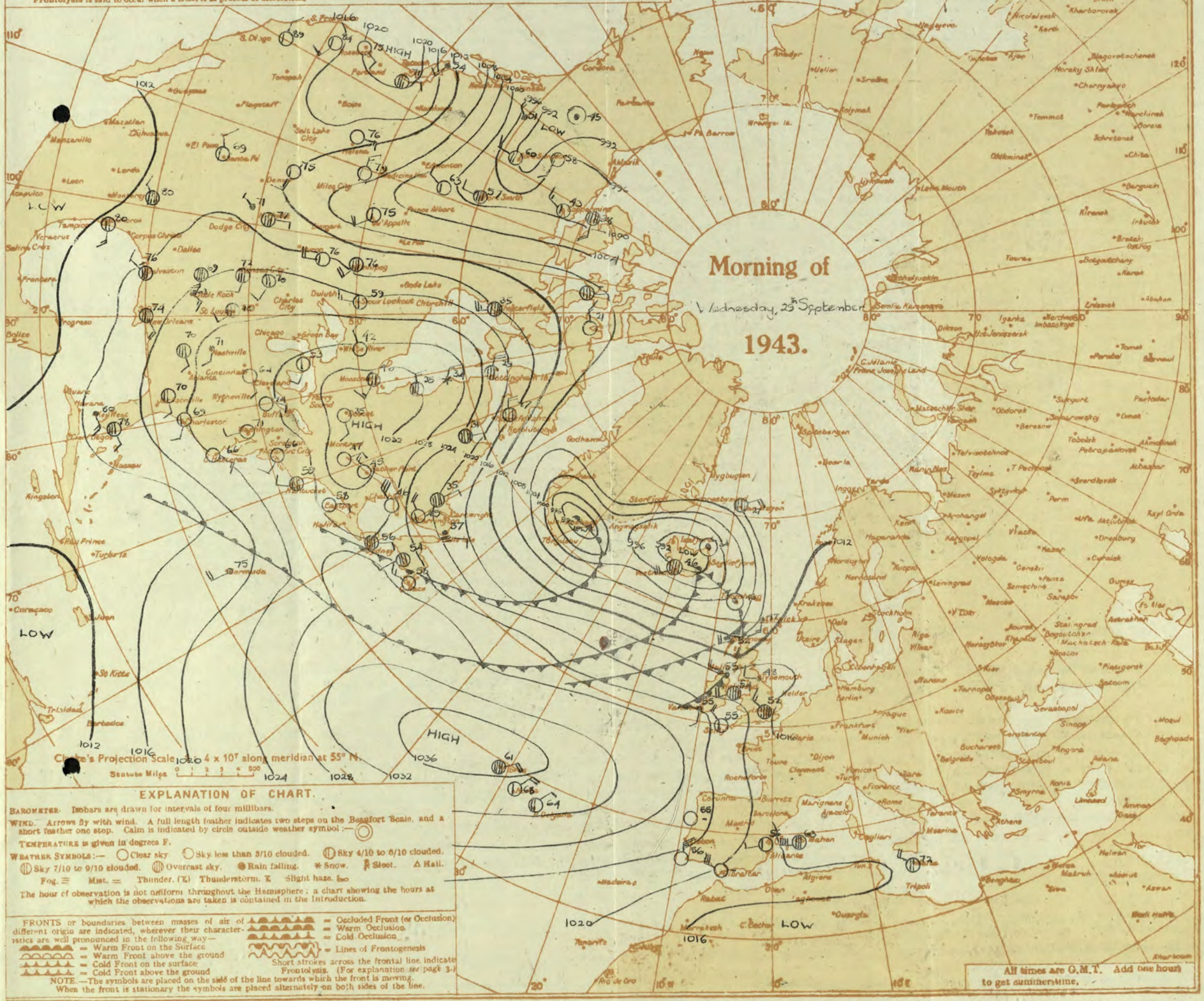
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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. (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.

Page 4. BRITISH SECTION

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

Wednesday 29th September 1943

No. 29896.

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

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	17.2	+10	NW	3	Zo	52	85	47	6	5	-	-	10	10	1000
	S. Farnborough	226	17.4	+10	NW'N	3	Zo	51	75	45	6	5	-	-	10	10	2500
	Boscombe Down	417	18.5	+6	NW	3	Zo	49	85	43	6	5	7	-	7-8	10	2500
	Thorney Island	10	17.4	+14	NW'W	3	Zo	58	85	48	6	5	-	-	9	10	4000
	Lympne	283	15.9	+18	N'W	3	Zo	48	87	48	6	-	-	-	0	0	
	Manston	154	15.1	-16	NW'N	2	Zo	54	92	52	6	5	-	-	9+	10	600
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	15.6	+22	N'W	3	Zo	52	97	51	6	5	-	-	2-3	2-3	4000
	Gorleston	5	15.4	+22	NNE	1	roro	55	75	47	7	6	-	-	10	10	1500
	Mildenhall	15	15.9	+18	NW'N	2	Zo	52	97	52	5	5	-	-	10	10	450
	Cranwell	203	17.6	+18	N'W	4	Zo	49	92	47	5	5	-	-	10	10	1000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17.8	+10	NNW	4	Zo	48	85	43	6	5	-	-	9+	9+	1200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21.2	+4	NNW	3	bc	54	75	47	8	2	6	-	2-3	4-6	2500
	Bristol	209	20.1	+4	NNW	3	b	46	85	42	7	-	4	-	0	1	·
	Portland Bill	32	19.2	+4	N	4	c-bc	50	85	46	8	5	-	-	7-8	7-8	4000
	Plymouth	86	21.0	+6	NW	3	c	51	86	47	7	5	2	2	4-6	9	1500
	The Lizard	240	21.9	+10	NW	2	b-bc	51	92	48	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	22.6	-2	NW'N	4	b-bc	55	85	49	8	5	-	-	2-3	2-3	1500
	Guernsey	175															
6	Pembroke	142	21.2	-2	NNW	3	b	55	75	48	8	1	-	1	Tr	Tr	2500
7	Holyhead (Valley)	32	19.6	-6	WSW	4	c	54	75	48	7	5	-	-	10	10	3800
	Chester (Sealand)	16	19.3	-6	W'N	2	c	52	75	44	7	-	7	-	0	10	-
8	Manchester	230	19.3	+6	-	0	Zo	46	92	44	5	5	7	-	7-8	10	4700
10	Spurn Head	29	17.1	+14	NW	2	c	53	97	51	7	5	2	-	4-6	10	1500
	Catterick (Sc)	192	18.7	+14	·	0	iro	47	97	47	6	5	-	-	10	10	6000
	Tynemouth	108	18.1	0	W	2	roro	48	97	47	6	-	2	-	10	10	1500
11	St. Abbs Head	280	15.3	-10	SSW	3	c/r	45	97	45	7	5	-	-	9+	9+	1500
	Leuchars	36	14.6	-20	WSW	2	c	48	92	46	8	5	-	-	10	10	4100
12	Renfrew (Abbots I.)	19	14.8	-26	WSW	3	Zo	50	92	48	8	5	2	-	7-8	10	1400
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	18.3	0	W'N	2	c/d	52	85	48	7	6	2	-	2-3	10	800
13A	Tiree	44	13.5	-8	NW	3	dodo	54	97	54	5	5	-	-	10	10	800
13B	Stornoway	12	05.4	+2	W	4	ido	52	97	52	6	5	2	-	7-8	9+	1200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	13.0	-28	SW	3	c	45	92	42	8	5	2	-	7-8	9	4500
	Wick	114	10.5	-26	S	5	c	48	97	47	7	5	2	-	4-6	10	3000
16	Sumburgh	19	02.8	-16	SSW	6	roro	48	85	45	6	5	7	-	9	10	1000
17	Blacksod Point	18	20.2	+4	W'S	5	dodo	56	97	56	6	-	2	-	10	10	880
18	Malin Head	84	15.0	-2	WNW	4	iq	55	97	55	7	5	-	-	10	10	800
	Aldergrove	268	17.6	-10	WSW	3	c	52	85	48	7	5	-	-	10	10	1000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24.3	-6	S'W	1	dodo	56	97	55	4	5	-	-	10	10	220
	Roches Point	22	22.9	-6	NNW	2	c	54	92	52	8	5	-	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 29th September — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0-12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0-9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0-10 (28)	Cloud Amount Total 0-10 (29)	Height of Base (feet) (30)	State of Ground 0-9 (31)	Sea 0-9 (32)	Max. Day 7h-18h °F. (33)	Min. Night 18h-7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h-18h mm. (36)	Rainfall Night 18h-7h mm. (37)	Sunshine 28th Hrs. (38)
London (Kew)	18.7	+12	N'W	2	Zo	51	86	48	6	5	3	-	2-3	10	2500	1	*	57	50	49	1	-	0.4
Croydon	19.2	+12	NW	2	m	51	85	47	4	5	-	-	10	10	700	1	*	57	50	49	2	Tr	0.0
S. Farnborough	19.0	+10	NW'W	1	Zo	49	85	44	6	5	-	-	10	10	2500	0	*	57	47	46	0.3	-	0.8
Boscombe Down	19.7	+6	NW	2	c	47	85	43	7	-	7	-	0	9+	-	0	*	59	44	44	Tr	-	2.8
Thorney Island	18.8	+10	W'N	3	c	50	85	46	7	-	7	-	0	10	-	0	*	62	49	43	0.5	-	*
Lympne	17.5	+10	N'E	1	m	51	97	51	4	5	-	1	10	10	100	1	2	*	48	44	8	Tr	0.0
Manston	16.7	+16	NW'N	2	Zo	54	92	52	6	5	7	-	4-6	9+	800	1	*	58	50	49	3	-	0.6
Shoeburyness	17.7	+14	NNW	2	c	52	92	53	5	5	7	-	4-6	9+	800	1	*	58	48	43	1	-	0.9
Felixstowe	17.0	+10	NW	3	Zo	51	97	50	6	-	9	-	0	7-8	-	0	3	59	49	46	2	0.2	[illegible]
Gorleston	16.0	+10	N'W	1	bc	51	92	49	7	8	7	-	4-6	4-6	2500	1	2	56	51	47	3	0.2	1.8
Mildenhall	17.9	+10	NW'W	2	Zo	50	97	49	5	5	-	-	10	10	450	1	*	56	49	43	3	Tr	0.3
Cranwell	17.6	+6	WSW	1	Zo	48	92	46	6	5	3	-	4-6	9+	4000	1	*	55	48	46	0.2	Tr	0.8
Birmingham	18.9	0	-	0	Zo	49	85	45	6	-	7	-	0	10	-	1	*	54	47	42	-	-	2.2
Upper Heyford	18.5	+4	NW'W	1	iro	48	85	44	5	-	1	-	0	10	-	0	*	56	47	43	0.1	Tr	*
Ross-on-Wye	18.9	0	WSW	1	c	49	85	44	8	-	7	-	0	10	-	1	*	57	46	39	-	-	4.1
Hartland Point	20.3	0	WNW	3	c	56	85	53	8	5	2	-	7-8	9+	2000	0	3	57	53	51	Tr	-	1.1
Bristol	19.3	-6	W	1	Zo	51	85	47	6	-	7	-	0	10	-	0	*	59	44	34	Tr	-	5.2
Portland Bill	19.8	+4	NW	3	c	50	86	46	8	6	-	-	10	10	4000	1	4	60	46	*	-	-	*
Plymouth	21.3	+2	WNW	1	c-bc	51	97	50	7	5	3	2	4-6	7-8	2500	1	1	59	48	39	0.1	-	5.3
The Lizard	21.6	0	NW	3	c	54	92	52	8	5	-	-	9+	9+	1500	0	3	58	49	*	1	-	6.4
Scilly (St. Mary's)	22.5	+2	WNW	3	c	56	92	54	8	5	-	-	10	10	1200	0	3	59	49	*	Tr	-	6.8
Guernsey																							
Pembroke	19.7	-8	WNW	4	c	56	92	54	8	5	2	-	7-8	10	2000	0	3	58	51	*	Tr	Tr	2.6
Holyhead (Valley)	18.4	-2	W'N	5	dodo	55	97	55	4	-	2	-	10	10	<150	1	2	57	46	41	Tr	0.3	*
Chester (Sealand)	17.6	-6	·	0	Zo	51	85	47	6	5	2	-	9	10	2000	0	*	57	51	40	-	-	3.9
Manchester	18.0	-2	SW'S	2	iro	49	92	47	5	5	-	-	10	10	4000	1	*	55	43	35	0.2	Tr	*
Spurn Head	17.4	+4	WSW	2	Zo	60	92	48	5	7	3	-	4-6	7-8	1500	2	1	55	49	*	1	Tr	2.0
Catterick (Sc)	16.4	-2	-	0	c	51	97	49	8	5	-	-	9+	9+	3000	1	*	54	46	43	Tr	1	2.4
Tynemouth	16.3	-6	WSW	2	m	48	92	47	4	5	-	-	7-8	7-8	2200	1	3	53	46	44	0.2	3	*
St. Abbs Head	11.6	-10	WSW	4	c	52	85	48	7	5	7	-	4-6	9	2500	0	3	51	45	*	Tr	4	*
Leuchars	12.3	-8	WSW	3	c	49	92	47	6	5	4	-	4-6	9	300	1	*	56	46	44	-	5	2.7
Renfrew (Abbots I.)	13.8	+2	W'N	2	c	53	97	52	7	5	7	9	4-6	9+	600	1	*	55	49	41	Tr	1	7.9
Eskdalemuir	14.3	-10	SE'S	2	dodo	48	97	48	3	-	2	-	10	10	<150	1	*	51	43	39	Tr	1	0.2
Point of Ayre	16.0	-2	W'N	4	c	55	97	55	7	6	-	-	9+	9+	1000	1	3	56	49	*	-	1	7.2
Tiree	13.8	0	W'S	3	c/d	53	97	53	6	5	3	-	4-6	10	400	1		55	51	49	0.2	3	8.1
Stornoway	09.4	-6	SW	3	Zo	52	97	51	6	6	2	-	7-8	10	500	1	2	52	47	46	3	5	1.5
Dalwhinnie	11.7	0	SSE	1	b-bc	50	97	45	8	5	4	-	2-3	2-3	1500	1	*	46	42	38	Tr	4	0.0
Aberdeen †	11.1	-2	W'N	1	c-bc	52	85	46	8	5	-	8	1	7-8	3000	1	1	53	46	40	*	2	1.6
Wick	05.6	+2	N	3	c	51	97	51	[illegible]	5	-	-	10	10	2500	1	*	55	44	43	0.1	3	*
Sumburgh	05.5	-4	WSW	6	ido	51	97	49	7	5	-	-	9+	9+	800	1	4	53	47	45	Tr	5	2.8
Blacksod Point	19.3	-4	W	4	ido	56	97	55	7	6	2	-	4-6	10	800	1	4	58	53	*	-	1	*
Malin Head	15.2	0	W'N	3	id	55	97	54	6	-	2	-	10	10	800	2	5	55	49		0.3	4	1.4
Aldergrove	16.6	0	W	1	Zo	55	92	53	6	5	-	-	7-8	10	1200	1	*	56	49	46	-	Tr	2.9
Birr Castle	19.4	-2	NW	2	c	55	97	54	7	5	-	-	10	10	1500	1	*	60	53	52	-	0.1	5.5
Valentia Obsy.	23.3	+2	WNW	2	dodo	55	97	54	5	5	-	-	10	10	200	1	2	59	54	53	Tr	1	5.1
Roches Point	21.1	-4	WNW	2	c-bc	57	92	55	8	5	-	-	7-8	7-8	1500	1	3	61	54		-	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC$_L$C$_M$	13h. G.M.T. 28th September wwVhN$_h$	DDFWN	18h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 29th September C$_L$C$_M$	wwVhN$_h$	DDFWN	07h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN
109 87	02855	16126	57	02856	18428	8-	01754	50624	5-	51646	56656
115 73	02851	20226	52	62735	20368	52	52635	53568	52	03635	20458
203											
206 73	02964	06025	52	61864	20428	52	02766	24466	50	01942	20522
210 83	02844	22126	52	02864	16228	52	02764	20228	53	01864	20324
219 53	02865	26227	52	61858	18468	5-	22644	25464	5-	81746	22456
230 73	02963	32125	62	62855	20168	62	52623	18263	37	02846	18168
245 73	02765	31427	52	05463	20128	52	02665	22265	54	02941	24225
260 52	05644	32227				5-	08458	20258	54	05645	20328
278 53	02745	34666	43	05555	53426						
270 84	02854	34625	57	02764	30226	52	02764	22268	62	05644	22458
285 27	02526	-----							5-	05628	30328
288			43	05555	53426	03	64590	20268	57	02864	17327
275 53	01864	32325	67	02854	26127				67	52636	28357
301 26	17856	64427	47	05664	32424	57	05652	30226	62	05625	24358
321 5-	21648	63668	54	02745	64526				57	05665	20167
300 8-	14747	32627	80	14744	32614	5-	62748	26468	54	56444	22214
302 8-	02756	65787	86	05654	32527				53	05684	16166
310 --	01635	26615	--	05634	32414				--	02628	24328
614 57	05654	65525	5-	05645	30528	57	05656	28227	52	22568	20258

IIIC$_L$C$_M$	13h. G.M.T. 28th September wwVhN$_h$	DDFWN	18h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 28th September C$_L$C$_M$	wwVhN$_h$	DDFWN	07h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN
388 87	02865	34625	50	02755	6315-	53	02765	00018	52	52526	00028
334 --	03647	04528	--	02645	02417				--	83437	22328
340 86	02754	30625	5-	05657	30426	57	05554	26215	5-	02858	22228
136 52	02645	26568	8-	02746	30427	50	05663	04114	5-	08428	30368
336 13	01752	32514	53	01754	32415				57	02754	20328
350 5-	02745	61528	5-	05644	30468	5-	05648	26328	07	05690	00027
368 83	02854	58425	40	01853	30324	50	01652	24202	57	02664	23228
379 5-	05645	63867	57	05654	63525	57	05654	63514	07	05690	26328
390 5-	21644	29457	5-	05545	28528	5-	05648	28228	5-	08438	28248
382 57	02744	64428	5-	05655	64427	57	05653	30224	07	05690	28228
438 02	02756	20518	5-	02658	26328	00	00790	30400	50	61548	30368
430 5-	02855	27325	5-	05655	28328	50	02764	26324	5-	05658	27228
400 5-	02847	63657	5-	02957	64527	4-	01859	01415	57	02855	29328

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 29th September
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	docbiro	roido cmo	czo mo
Croydon	croro ezo	czo cdo do do ic	cmo fgo
Greenwich	e	qrid	dcbcmo
Camden Square	c	cd	*
Kensington	bcprr	c	*
Hampstead	bcor	bc	bc

Atmospheric Pollution, Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. 0.5 at 11 hrs. 28th; 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	57	50	49	1	-	0.4	*	*
Croydon	57	50	49	2	Tr	0.0	*	*
Greenwich	56	49	44	0.8	0.3	0.0	86	80
Westminster	57	51	46	0.2		*	96	93
Regents Park	57	50	47	0.1	-	*	89	77
Camden Square	57	50	47	0.3	-	*	*	80
Kensington	54	51	46	Tr	Tr	*	78	80
Hampstead	55	48	44	0.2	-	*	*	79

Page 1 **SECRET**

Thursday 30th September 1943

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

No. 29897

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

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)	18·7	+6	W	2	Zo	57	65	45	6	5	7	–	7-8	9+	4000
	Croydon	19·6	-4	W'N	3	Zo	56	65	44	5	–	7	–	0	10	–
	S. Farnborough	18·9	-8	WNW	1	c	58	65	46	7	5	7	–	7-8	10	4000
	Boscombe Down	19·4	-4	SW'S	2	c	56	85	50	7	5	2	–	7-8	10	7000
	Thorney Island	19·1	-6	W'N	2	c	57	75	49	7	–	7	–	0	10	–
	Lympne	18·1	-2	NNE	2	Zo	57	75	49	6	5	1	–	7-8	10	2000
	Manston	17·9	0	NW	3	Zo	58	85	52	6	5	7	7	1	9+	1000
2	Shoeburyness	18·4	-6	NNW	2	Zo	60	75	52	6	5	1	–	4-6	10	2500
	Felixstowe	18·3	+2	NW'W	3	Zo	57	85	53	6	5	2	–	2-3	9+	2500
	Gorleston	18·0	+6	NNW	2	c	56	85	53	7	8	7	–	4-6	9+	2000
	Mildenhall	18·1	-6	W'N	2	c	59	75	49	7	5	7	–	4-6	10	3000
	Cranwell	17·2	-8	WSW	3	Zo	55	85	50	6	5	7	–	7-8	10	3300
3	Birmingham	18·2	-4	WSW	2	c	57	85	53	7	5	2	–	2-3	10	2500
	Upper Heyford	18·6	-6	W'S	2	c	56	85	49	7	5	2	–	7-8	10	1500
4	Ross-on-Wye	18·3	-6	S	2	c	58	85	52	8	5	1	–	9+	10	2500
5	Hartland Point	19·7	-2	NW	3	ido	58	97	56	5	5	2	–	9	10	300
	Bristol	19·5	-2	SSW	1	Zo	59	85	54	6	5	7	–	9	10	2300
	Portland Bill	19·6	-4	NW	3	ido	58	92	56	7	5	–	–	10	10	2500
	Plymouth	20·7	-2	WNW	3	ido	60	92	58	6	5	2	–	9	10	1500
	The Lizard	21·4	-12	NW	5	of	58	97	58	2	5	–	–	10	10	400
	Scilly (St. Mary's)	21·8	-8	W	4	f-	60	92	57	2	–	–	–	10	10	<150
	Guernsey															
6	Pembroke	20·1	0	NW	3	c	58	97	57	8	8	2	–	7-8	9+	800
7	Holyhead (Valley)	18·6	-2	W	4	c	60	85	56	8	5	7	–	7-8	9+	800
	Chester (Sealand)	17·8	+2	WNW	3	dodo	57	92	56	6	5	3	–	7-8	10	1000
8	Manchester	17·4	-4	SW'W	3	df	58	85	53	3	–	2	–	10	10	600
10	Spurn Head	16·9	-6	SW	3	Zo	57	75	49	6	7	2	–	7-8	10	1500
	Catterick (Sc)	15·9	-2	WSW	2	c	63	75	56	8	1	2	–	7-8	9	2800
	Tynemouth	16·0	-2	WSW	3	Zo	60	75	53	6	2	–	–	7-8	7-8	2400
11	St. Abbs Head	12·4	-8	WNW	3	bc	61	65	49	8	1	4	–	2-3	4-6	3000
	Leuchars	12·2	-8	SW	4	c	63	75	54	8	8	–	9	2-3	9+	3000
12	Renfrew (Abbots I.)	14·0	-6	WNW	4	c	60	85	55	7	5	3	2	4-6	9	800
	Eskdalemuir	14·4	-2	SW	3	Zo	57	85	52	6	5	–	–	10	10	1100
	Point of Ayre	16·6	+2	WNW	4	c	62	85	57	8	5	3	4	4-6	9+	3000
13A	Tiree	13·4	-6	SW	4	dodo	55	97	55	5	5	–	–	10	10	200
13B	Stornoway	07·1	-14	SW	6	ido	56	92	54	6	6	2	–	7-8	10	700
15	Dalwhinnie	11·0	0	SSE	2	c	59	75	49	8	8	4	2	4-6	9+	2500
	Aberdeen	09·7	-14	SSW	2	b-bc	67	55	53	9	5	–	9	Tr	2-3	2500
	Wick	07·8	-10	WSW	2	c	61	85	56	9	2	4	2	4-6	9	3000
16	Sumburgh	04·0	+10	SW'W	6	c/d	52	97	51	8	5	–	–	4-6	10	800
17	Blacksod Point	19·5	+2	WSW	4	df	56	97	55	4	–	2	–	10	10	800
18	Malin Head	15·1	-6	SW	5	id	56	92	54	7	–	2	–	10	10	800
	Aldergrove	17·0	-2	W'S	2	c	59	85	54	9	5	7	8	7-8	9	1400
19	Birr Castle	19·8	-2	NW	1	c	60	85	55	8	5	–	–	10	10	1500
20	Valentia Obsy.	23·5	-2	W'S	2	of-	57	97	56	2	5	–	–	10	10	100
	Roches Point	21·5	0	N	4	bc	63	85	58	8	5	3	1	2-3	4-6	1500

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

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)	18·4	-4	WSW	2	Zo	56	75	48	5	5	2	-	4-6	10	2500	1	•
Croydon	19·2	+2	W	1	Zo	56	75	48	5	-	7	-	0	10	-	0	•
S. Farnborough	18·8	+4	W	2	c	56	85	50	6	5	7	-	9	10	2000	0	•
Boscombe Down	18·9	0	W	1	Zo	55	92	53	0	5	-	-	7-8	10	1200	0	•
Thorney Island	18·6	+2	-	0	Zo	57	85	51	6	-	7	-	0	9+	-	0	•
Lympne	18·9	+6	-	0	Zo	55	85	51	5	5	-	-	10	10	4000	1	[illegible]
Manston	18·3	+2	-	0	Zo	56	85	51	6	-	9	8	0	9+	-	0	•
Shoeburyness	18·5	+4	-	0	Zo	57	75	49	5	5	-	-	9	9	4000	1	•
Felixstowe	18·1	+2	SE	1	Zo	65	85	52	6	-	7	-	0	9	-	0	1
Gorleston	17·4	0	SW	2	Zo	55	92	53	6	5	-	-	9+	9+	1500	0	3
Mildenhall	17·6	+2	WSW	1	Zo	55	92	53	6	5	-	-	10	10	4000	0	•
Cranwell	16·6	-6	SW'W	2	Zo	56	92	54	5	5	-	-	10	10	1000	0	•
Birmingham	18·2	+2	SSW	2	ido	55	97	54	5	5	-	-	10	10	800	1	•
Upper Heyford	18·1	0	W	1	ido	56	85	52	6	5	7	-	7-8	10	2000	0	•
Ross-on-Wye	18·0	-4	W'N	2	c	60	85	56	8	5	-	9	9+	9+	2000	1	•
Hartland Point	19·7	+4	NW	2	c	58	97	57	7	5	-	-	9+	9+	800	0	3
Bristol	18·8	+2	W	1	Zo	59	92	57	6	5	7	-	7-8	10	1500	0	•
Portland Bill	19·8	+8	WNW	3	ido	59	92	57	7	5	-	-	10	10	2500	1	3
Plymouth	20·3	+6	NNW	3	ido	58	97	57	6	5	-	-	9	10	600	1	2
The Lizard	20·9	+4	NW	4	c	58	97	57	7	5	–	-	9+	9+	1000	1	4
Scilly (St. Mary's)	21·7	0	NW	4	Zo	58	97	57	6	5	7	-	4-6	10	1000	1	2
Guernsey																	
Pembroke	20·0	+2	NW	3	c-bc	59	92	57	8	5	4	-	4-6	7-8	1500	0	3
Holyhead (Valley)	17·9	-2	W'S	3	c	59	92	57	8	5	-	-	9+	9+	1500	1	1
Chester (Sealand)	17·1	-6	W'N	1	c	59	85	54	7	5	7	-	9	10	1400	1	•
Manchester	16·9	-2	W	2	Zo	56	92	54	5	5	2	-	9	10	1000	1	•
Spurn Head	16·1	-4	SSW	3	Zo	55	92	52	6	7	2	-	9	10	1500	0	1
Catterick (Sc)	15·1	-4	WSW	2	c-bc	57	92	56	8	5	9	2	4-6	7-8	2500	0	•
Tynemouth	14·4	-4	W	3	Zo	59	85	54	6	8	3	1	4-6	7-8	2400	1	3
St. Abbs Head	11·0	-8	W	4	c-bc	57	85	50	7	5	4	-	4-6	7-8	3000	0	3
Leuchars	10·5	-18	SW	4	c-bc	57	85	53	7	5	3	-	2-3	7-8	900	-	•
Renfrew (Abbots I.)	12·7	-6	W'S	4	dodo	56	92	55	7	5	2	-	9+	10	600	1	•
Eskdalemuir	13·7	-2	SW	3	iro	55	92	52	6	5	-	-	10	10	1100	1	•
Point of Ayre	15·5	-4	W'N	4	c	59	85	55	8	5	-	-	10	10	3000	0	2
Tiree	13·2	+4	W'N	4	b.bc	53	92	51	8	5	7	-	1	2-3	1500	1	1
Stornoway	08·2	+8	W	6	c-bc	52	85	47	8	8	-	-	7-8	7-8	2200	1	3
Dalwhinnie		0	SW	3	c-bc	55	75	47	8	5	3	-	4-6	7-8	2500	0	•
Aberdeen	08·6	-2	WSW	2	c	61	75	52	8	5	4	1	4-6	9	2500	1	1
Wick	07·2	+2	W	5	c-bc/d	55	92	52	8	5	-	5	4-6	7-8	2500	1	•
Sumburgh	01·8	-6	WSW	6	c	53	92	51	8	5	-	-	9	9	2500	1	4
Blacksod Point	18·5	-2	W'S	4	dd	56	97	55	4	-	2	-	10	10	800	1	3
Malin Head	14·7	+2	W'N	3	dd	55	97	54	6	-	2	-	10	10	800	2	3
Aldergrove	16·0	-2	W'S	3	c	57	85	54	8	5	-	-	9+	9+	1200	1	•
Birr Castle	18·7	-2	WNW	2	c	58	97	57	7	5	-	-	10	10	1500	1	•
Valentia Obsy.	22·7	-4	WNW	1	iro	57	97	56	6	5	-	-	10	10	450	1	2
Roches Point	20·4	-4	NNW	2	c-bc	63	85	58	8	5	3	-	4-6	7-8	2500	1	3

PAST 24 HOURS — WEATHER

Stations	7h.—13h. 29th (39)	13h.—18h. 29th (40)	18h. 29th to 1h. 30th (41)	1h.—7h. 30th (42)
London (Kew)	cmozo	czo	cdodomoc	cmo
Croydon	omo czo	czo	cmodod	cmocm
S. Farnborough	cmofoidocmc	c	cfcirdomo	cmomf
Boscombe Down	ccmoc	ccdomoc	cmbcfbF	bcfofe
Thorney Island	cidomoc	cmo	cmo fgemic	cmcf
Lympne	omcmo	cmo	bromo	cmccmo
Manston	cmo	cmozo	cmobmo	cmocmo
Shoeburyness	cmowczo	czo	czo	cmo
Felixstowe	cmo	cmo	cidomc	omom
Gorleston	cpro	czozo	czo	czodod
Mildenhall	cmo	ccmoc	cidomcddmc	cmcidm
Cranwell	cmobcmocmo	cmo	cmc	cmcircorm
Birmingham	c	coido	ofidoc	bcc
Upper Heyford	cidomocmoc	czomo	cmoidf	bcfwcmo
Ross-on-Wye	oc	cc		cbcc
Hartland Point	cidoc	idoc	cbcc	cmido
Bristol	cmo	cmo	cmobmo	cmo
Portland Bill	oid	oid	cc	co
Plymouth	ccdo	cmidomo	cbcho	cmid
The Lizard	ddff	idffc	cpcw	cdmff
Scilly (St. Mary's)	oifeffe	ffifec	coffe	offe
Guernsey				
Pembroke	c	c	cid	bcp
Holyhead (Valley)	odrodoc	c	cidocmo	crorm
Chester (Sealand)	dodomoc	cmido	bcmo	cidom
Manchester	dododdff	ffdodocmo	cmo idff	ddffic
Spurn Head	cmo	cmo	cmo	omo
Catterick (Sc)	c	c	bcmo	bcmocm
Tynemouth	cmbcmo	cbccmo	cbcmcbc	cmo
St. Abbs Head	bc	bccbc	bcbc	bccbc
Leuchars	cmobcc		cbcbbc	c
Renfrew (Abbots I.)	cidomoc	crocmodod	cddbcm	cdodbcmo
Eskdalemuir	dodofidom	crmoiro	roc	c
Point of Ayre	cidoc	c	cidob	c
Tiree	cmocdodomo	dodocmo	bc	bcidcmc
Stornoway	cmcidcidmo	dodmocbcc	cbccro	cropc
Dalwhinnie	bcc	cpro	•	cpr
Aberdeen	bcby	bybcc	c	cw
Wick	bcc	cccid	bbcc	c
Sumburgh	cido	ciaoro	bcpcir	cbcpc
Blacksod Point	d	d	d	d
Malin Head	d	d	d	bc
Aldergrove	cmc	c	cbcc	ccmoc
Birr Castle	c	d	•	d
Valentia Obsy.	d	r	r	r
Roches Point	c	c	c	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday, 30th September 1943

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Light to moderate westerly winds becoming fresh at times later; dull; local drizzle especially at first; close.
5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England	Freshening southwest to west winds; dull; occasional drizzle or light rain; fog at times on hills and locally on the coast; becoming close generally.
9 N. Midlands, 10 N.E. England, 11 S.E. Scotland, 12 S.W. Scotland & Isle of Man	Fresh southwest winds, veering west later, strong locally on west coast; cloudy becoming dull with occasional rain and drizzle with hill fog; some brighter intervals late in the period becoming milder generally
13A W. Scotland, 13B N.W. Scotland ↓, 14 Mid Scotland, 15 N.E. Scotland	Wind southwest to south, increasing, fresh to strong, with gale locally on coast, veering westerly later; mainly fair early becoming dull and rainy; showery conditions spreading from the northwest with
16 Orkneys and Shetlands ↓	brighter periods; becoming milder for a time
17 N. W. Ireland, 18 N. E. Ireland	As 9-12
19 S. E. Ireland, 20 S. W. Ireland	As 5-8

GENERAL INFERENCE

A ridge of high pressure extends from the anticyclone north of The Azores to the Bay of Biscay and probably over France. A deepening secondary depression about 450 miles west of the Hebrides is expected to move quickly east north east and to cause strong winds in northern districts with gales locally on the coast. Rain will spread across the northern half of the British Isles. In the South weather will be dull with local drizzle accompanied by close conditions.

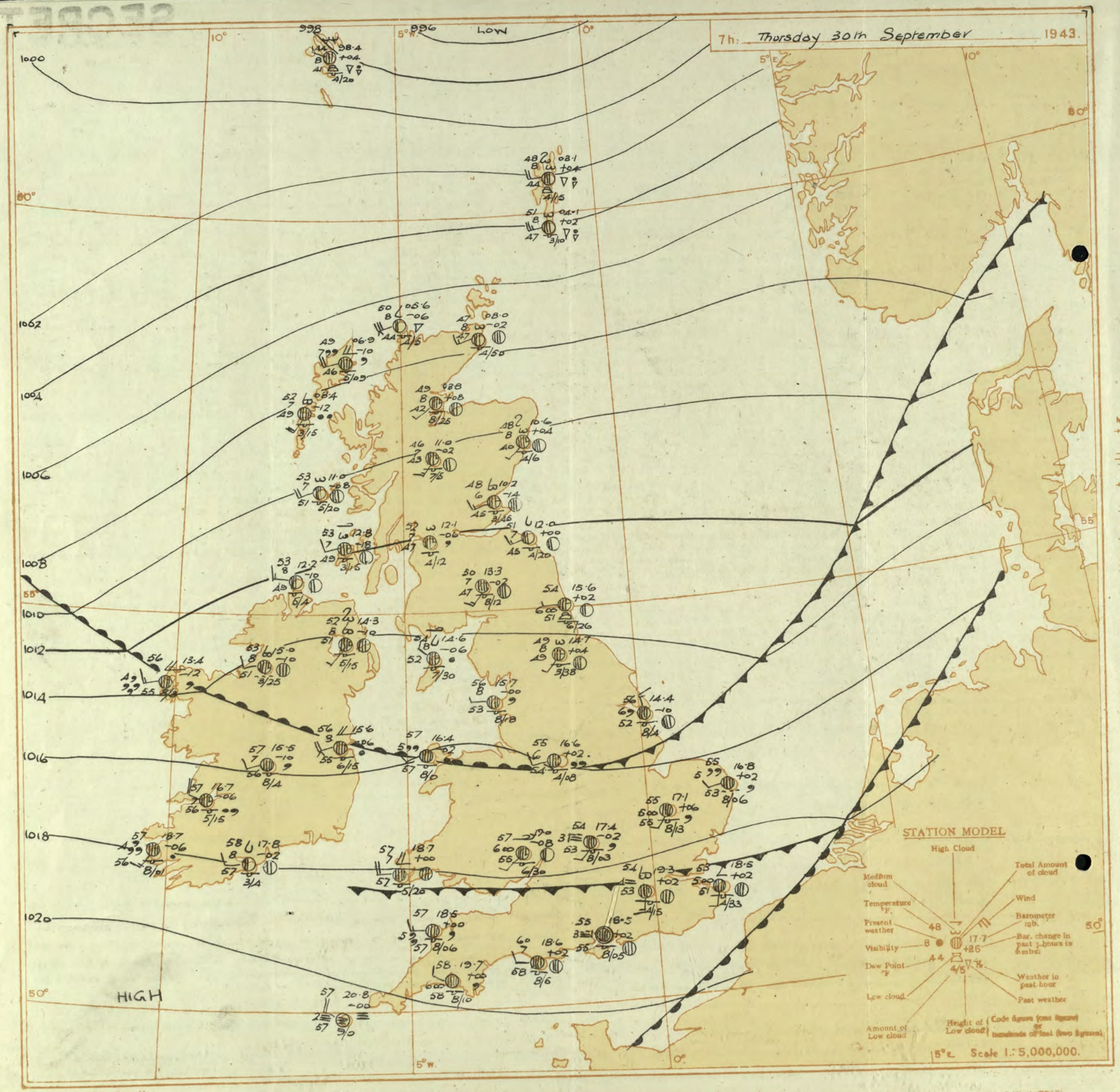
FURTHER OUTLOOK

Colder west to northwest winds with showers and bright periods; strong winds continuing in the North and North west

↓ Gale warning in operation in districts 13b and 16. Issued 1150 GMT. 29th September 1943.

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).

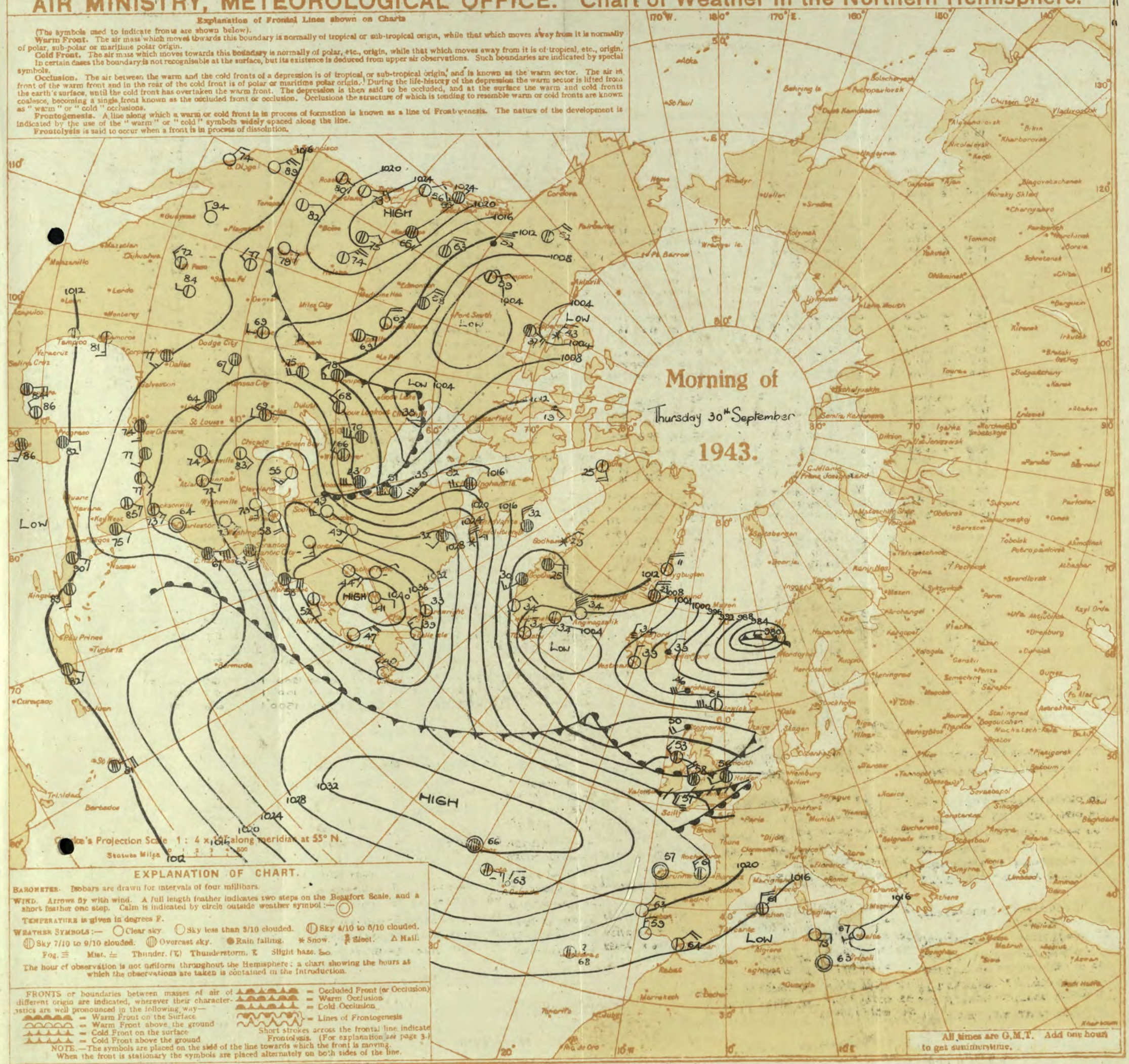
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

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. &c.

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 summertime.

Page 4. BRITISH SECTION

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

Thursday 30th September 1943

No. 29897

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	54	*	*	*	*	*	*	*	*	*
	Croydon	290	19·8	0	W	1	o/d	53	97	53	5	5	-	-	10	10	1500
	S. Farnborough	226	18·8	-6	SW'W	1	zo	55	97	53	5	5	-	-	10	10	1000
	Boscombe Down	417	19·1	-2	-	0	bF+	53	97	53	1		-	-	0	0	-
	Thorney Island	10	19·0	-2	NW	1	iro	55	97	55	4	5	-	-	10	10	1100
	Lympne	283	18·9	-4	N	2	zo	51	92	49	5	5	-	-	10	10	2000
	Manston	154	18·3	-6	WSW	1	m	52	85	49	4	5		-	10	10	3400
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	18·4	+2	WSW	3	o/d	55	97	55	7	5			10	10	1300
	Gorleston	5	16·8	-6	WNW	2	zo	55	85	51	5	5			10	10	1500
	Mildenhall	15	17·5	-2	SW	3	zo	55	97	54	5	5	-		10	10	1100
	Cranwell	203	16·3	-6	W'S	3	m	56	97	55	4	5	-	-	9	9	1400
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18·4	0	-	0	bc f+	50	97	50	2	5	-	-	4-6	4-6	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	19·1	-6	WSW	3	c	58	97	58	7	5	2	-	7-8	10	1500
	Bristol	209	20·2	0	WSW	1	zo	56	97	55	6	5	-	-	10	10	2100
	Portland Bill	32	20·0	-2	WNW	2	c-bc	58	92	56	7	5	-	-	7-8	7-8	4000
	Plymouth	86	20·7	+2	WNW	1	z	57	97	57	6	5	-	-	9	9	800
	The Lizard	240	21·2	0	NW'W	2	o/f	57	97	57	8	4	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	21·6	+2	WNW	4	f	57	97	57	2	-	-	-	10	10	<150
	Guernsey	175															
6	Pembroke	142	18·8	-10	WNW	3	ido	59	97	58	8	8	-	-	9+	9+	2500
7	Holyhead (Valley)	32	17·4	-4	NW'W	4	zo	58	97	57	6	5	-	-	7-8	10	500
	Chester (Sealand)	16	16·6	-2	NW	3	ido	59	85	56	5	5	2	-	7-8	10	1300
8	Manchester	230	16·4	-6	SW	3	df	56	97	56	3	-	2	-	10	10	200
10	Spurn Head	29	15·9	-4	WSW	2	zo	56	92	53	6	7	2	-	7-8	9	1500
	Catterick (Sc)	192	14·5	-6	WSW	1	zo	55	92	53	6	5	3	-	2-3	2-3	1500
	Tynemouth	108	14·7	+4	W	3	b-bc	54	85	51	7	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	12·1	+12	W	3	bc	53	75	44	7	4	-	-	4-6	4-6	2500
	Leuchars	36	13·2	+14	WSW	1	bc	49	85	45	8	5	-	-	4-6	4-6	2500
12	Renfrew (Abbots I.)	19	13·5	-2	SW'W	2	zo	51	85	48	6	5	1	6	2-3	9	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	15·3	-6	NW	5	b	55	97	53	8	5	4	-	Tr	1	2000
13A	Tiree	44	13·1	-6	W	4	bc	52	97	51	8	2	-	-	4-6	4-6	2000
13B	Stornoway	12	08·8	-4	SW	4	roro	50	85	46	8	5	-	-	10	10	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	70	10·9	+10	W	3	b	48	65	37	9	5	-	1	1	1	4000
	Wick	114	09·6	-2	WSW	4	bc	47	85	44	9	8	3	-	2-3	4-6	3000
16	Sumburgh	19	04·1	+6	W	6	iro	52	75	45	7	5	-	-	1-3	7-8	2000
17	Blacksod Point	18	16·5	-16	W	1	dm	55	97	55	4	-	2	-	10	10	800
18	Malin Head	84	14·5	-2	WNW	3	bc	53	85	49	8	8	-	-	4-6	4-6	1500
	Aldergrove	268	16·3	+2	W	2	c	52	85	48	8	5	-	-	10	10	2300
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	20·6	-16	W'S	4	o-f+	57	97	57	3	5	-	-	10	10	100
	Roches Point	22	19·8	-6	-	0	c	58	97	58	8	5	-	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 30th September / 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)	17·9	+2	SSW	2	zo	54	97	53	5	6	-	-	9+	9+	2500	1	*	57	53	52	-	0·4	0·0
Croydon	19·3	+2	S	3	m	54	97	53	4	5	7	-	4-6	9+	1500	1	*	57	52	48	-	0·1	0·0
S. Farnborough	18·4	+4	SSW	2	of+	54	97	53	2	-	-	-	10	10	<150	1	*	59	53	46	-	0·5	0·0
Boscombe Down	18·6	+2	S'W	1	f	55	97	55	2	-	-	-	10	10	<150	1	*	56	51	51	Tr	0·3	0·0
Thorney Island	18·5	+2	-	0	of-	55	97	55	3	5	-	-	10	10	500	0	*	59	54	50	Tr	Tr	*
Lympne	19·1	+4	W'S	2	cj+	50	92	52	6	5	2	-	9	10	2700	1	§	*	47	29	Tr	-	2·8
Manston	18·5	+2	SW	2	zo	53	92	51	5	5	1	-	4-6	10	3300	1	*	58	49	45	-	-	3·1
Shoeburyness	18·6	+4	W'S	2	zo	56	92	54	5	5	-	-	10	10	2500	1	*	61	54	51	-	-	1·0
Felixstowe	17·9	0	SW	-	m	55	97	55	4	5	-	-	10	10	2500	0	1	59	54	53	-	Tr	
Gorleston	16·8	+2	WSW	2	do	55	92	53	5	6	-	-	10	10	600	1		59	53	50	Tr	Tr	1·8
Mildenhall	17·1	+6	SW'S	2	zo	55	97	55	5	5	-	-	10	10	1300	1	*	59	53	53	-	1	0·0
Cranwell	16·0	+2	SW	2	roro	56	97	56	5	5	7	-	7-8	10	1500	1	*	58	54	50	-	Tr	0·0
Birmingham	16·9	0	SW	2	z	56	97	55	5	5	2	-	2-3	10	800	1	*	57	54	49	Tr	0·1	0·0
Upper Heyford	17·4	-2	SW'S	2	of+	54	97	53	3	5	-	-	10	10	300	1	*	57	47	43	-	Tr	*
Ross-on-Wye	17·0	-8	SW	1	zo	57	97	55	6	5	-	2	9	9+	3000	1	*	60	53	47	-	-	0·0
Hartland Point	18·5	0	W	3	id	57	97	57	5	5	-	-	10	10	600	1	3	58	57	56	Tr	4	0·0
Bristol	18·3	-4	W'S	3	c	59	97	57	7	5	-	-	10	10	400	0	*	61	53	41	-	-	0·0
Portland Bill	18·6	+2	W	2	o	60	92	58	7	5	-	-	10	10	2500	1	3	59	55	*	Tr	Tr	*
Plymouth	19·7	0	W'N	2	zo	58	97	58	6	5	-	-	10	10	1000	1	1	61	51	47	Tr	Tr	0·1
The Lizard	20·2	+2	WNW	3	of	57	97	57	3	5	-	-	10	10	400	1	3	59	56	*	Tr	Tr	0·2
Scilly (St. Mary's)	20·8	0	WNW	4	f	57	97	57	2	-	-	-	10	10	<150	1	4	61	56	*	Tr	0·1	0·1
Guernsey																							
Pembroke	18·7	0	W	4	c	57	97	57	7	5	2	-	7-8	10	2000	0	3	60	57	*	-	Tr	0·7
Holyhead (Valley)	16·4	-2	SW	2	dodo	57	97	57	5	5	-	-	10	10	<150	1	2	63	56	44	1	2	*
Chester (Sealand)	16·0	-2	-	0	[illegible]	57	97	55	6	8	2	-	4-6	10	1200	1	*	59	56	53	0·2	0·3	0·0
Manchester	16·2	+2	W'S	2	z	54	92	52	6	5	7	-	2-3	10	2000	1	*	57	54	52	1	3	*
Spurn Head	14·4	-10	N'W	3	d	56	85	52	6	5	-	-	10	10	1500	1	1	57	53	*	-	Tr	1·2
Catterick (Sc)	14·7	+4	SSW	1	c	49	97	49	8	5	3	-	2-3	9	3800	0	*	63	46	37	-	-	3·0
Tynemouth	15·6	+2	W	1	zo	54	92	51	6	8	-	-	9	9	2600	0	1	61	52	43	-	-	*
St. Abbs Head	12·0	0	SW	3	c-bc	51	75	45	7	5	4	-	4-6	7-8	2000	2	3	63	49	*	-	-	*
Leuchars	10·4	-14	WSW	3	zo	48	92	45	6	5	7	-	2-3	9	4200	1	*	54	48	48	-	-	7·2
Renfrew (Abbots I.)	12·1	-6	-	0	c	52	85	47	7	5	3	-	4-6	9+	1200	1	*	61	50	46	0·1	Tr	0·5
Eskdalemuir	13·3	-2	S'W	3	c	50	92	47	7	5	-	-	10	10	1200	1		59	49	45	0·1	0·4	0·5
Point of Ayre	14·6	-6	NW	1	c	54	92	52	8	5	4	1	9+	9+	3000	1	2	63	51	*	-	0·3	1·7
Tiree	11·0	-8	SW'W	4	c-bc	53	92	51	7	5	3	-	7-8	7-8	2000	1	2	55	49	44	1	0·3	0·0
Stornoway	06·9	-10	WSW	4	dodo	49	92	46	7	5	2	-	7-8	10	900	1	2	59	47	46	0·4	0·2	1·2
Dalwhinnie	11·0	-2	SSW	3	c	46	92	43	7	5	-	-	9+	9+	2500	0	*	59	43	38	Tr	Tr	6·3
Aberdeen †	10·6	+4	SW	1	c	48	75	40	8	5	3	6	4-6	9+	4000	1	1	67	45	36	-	-	7·7
Wick	09·0	-2	WSW	3	c-bc	47	97	47	8	5	3	6	4-6	7-8	5000	1	*	64	46	41	0·1	-	*
Sumburgh	04·1	+2	WSW	5	c-bc pr	51	85	47	8	5	3	-	2-3	7-8	1000	1	4	54	48	45	1	0·5	0·6
Blacksod Point	13·4	-12	WSW	3	DD	56	97	55	4	-	2	-	10	10	800	1	3	57	53	*	1	1	*
Malin Head	12·2	-10	W	3	c-bc	53	85	49	8	5	-	-	7-8	7-8	1500	2	3	56	51		2	0·3	0·0
Aldergrove	14·3	-10	SW	1	c	52	97	51	8	5	7	9	7-8	9+	1500	1	*	60	51	46	0·4	-	0·1
Birr Castle	15·5	-10	WSW	2	c	57	97	56	7	5	-	-	10	10	1500	1	*	63	56	53	Tr	0·5	1·4
Valentia Obsy.	18·7	-6	SW'S	3	dd	57	97	56	4	5	-	-	10	10	100	1	2	57	56	56	2	2	0·0
Roches Point	17·8	-2	W	2	bc	58	97	57	8	5	4	-	2-3	4-6	1500	1	*	66	58	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 29th September ... 18h. G.M.T. / 01h. G.M.T. 30th September ... 07h. G.M.T.

III	13h $C_L C_M$	13h wwVhNh	13h DDFWN	18h $C_L C_M$	18h wwVhNh	18h DDFWN	01h $C_L C_M$	01h wwVhNh	01h DDFWN	07h $C_L C_M$	07h wwVhNh	07h DDFWN
100	55	02854	53655	87	25756	57686	50	01754	56624	8-	81757	23587
115	52	62635	53568	84	10844	53626	54	02844	57526	54	02854	53684
203												
206	20	02964	24626	8-	25955	22586	8-	02865	20485	5-	02868	20127
210	54	01965	22514	23	01954	20314	5-	02865	20225	53	[illegible]	15327
219	02	52428	21458	80	01854	25654	20	01854	24484	57	[illegible]	20466
230	52	21847	21358	8-	02854	24355	50	1743	22383	5-	027[illegible]	22268
245	70	01951	20414	57	02954	20316	54	01890	23103	54	01852	22124
260	5-	05646	20326	5-	05628	20428	50	08444	20414	53	05654	[illegible]
278												
279	52	21846	22458	57	02744	22427	5-	01764	22214	57	02655	[illegible]25
285	23	05635	26527							27	02745	127
[illegible]	7-	02857	18327	56	02854	20217	50	02732	21312			
576	62	51735	24258	67	52636	26457	57	21634	27355	67	02853	[illegible]27
301	52	02736	25358	57	02744	22227	5-	02758	24358	5-	02848	[illegible]58
[illegible]	5-	05657	20227	5-	08448	24228	57	61654	20268	57	61654	[illegible]68
[illegible]	5-	05558	22228	5-	05548	22228	59	02863	20217	53	451[illegible]	22244
[illegible]	57	02855	22127	54	02763	22326	50	05652	20322			
310				--	46692	24349						
614	57	05644	24227	5-	05535	23228	57	05554	24225	52	[illegible]44	[illegible]

III	13h $C_L C_M$	13h wwVhNh	13h DDFWN	18h $C_L C_M$	18h wwVhNh	18h DDFWN	01h $C_L C_M$	01h wwVhNh	01h DDFWN	07h $C_L C_M$	07h wwVhNh	07h DDFWN
338	57	21724	28455	5-	02848	21258	51	05654	00027	52	21606	20159
334	--	02646	26217	--	02636	26317				--	03437	20126
340	52	02864	28128	62	21435	00058	51	02866	20158	52	56208	00057
136	17	02751	22227	5-	05568	20228	5-	08468	22258			
336	53	02754	28326	52	02756	28827				52	21644	20358
350	52	02763	22228	5-	02755	21228	5-	05854	18114	57	51055	20257
368	57	05644	24227	57	02734	26258						
379	6-	05624	22258	57	51647	22258				--	48109	22149
390	01	05630	28327	07	05680	24128	5-	08440	20128	5-	45348	18148
382				51	05654	00027	00	43353	00043	5-	05528	00018
438	5-	02647	36227	5-	02658	26228	5-	02651	2818	5-	02658	03318
430	57	05662	27128	07	05590	21127	5-	51548	20128	5-	08446	00027
409	5-	25618	29358	57	02785	30327	--	48109	24249	5-	57308	24258

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 ......
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	cmozo	cco	cdomoc	Max. Time
Croydon	cmoczo	cco	cmdogco	
Greenwich	cmo	cmo	cidcmo	
Camden Square	c	c	*	
Kensington	bczbc	bcc	*	Min. Time
Hampstead	bc	c	orm	

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	57	53	52	-	0·4	0·0	*	*
Croydon	57	52	48	-	0·1	0·0	*	*
Greenwich	58	53	51	-	0·3	0·4	64	89
Westminster	59	54	53	0·2			67	91
Regents Park	58	54	52	-	0·2		67	91
Camden Square	58	54	52	-	0·3	*	*	91
Kensington	59	54	53	-	0·4		77	91
Hampstead	58	52	50	-	0·4		*	94