M.O. Form 2373

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THE DAILY WEATHER REPORT

BRITISH SECTION

1st July to 30th September

1942

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

INTRODUCTION

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Cloud Form Abbreviations

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

Cloud Amount – Columns 13, 14, 28, 29

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

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

	Objects not visible at
0 Dense fog	55 yards
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

Code for State of Sea (S)—Column 32

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

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

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

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

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

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

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

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

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

GALE WARNINGS*

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

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

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

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

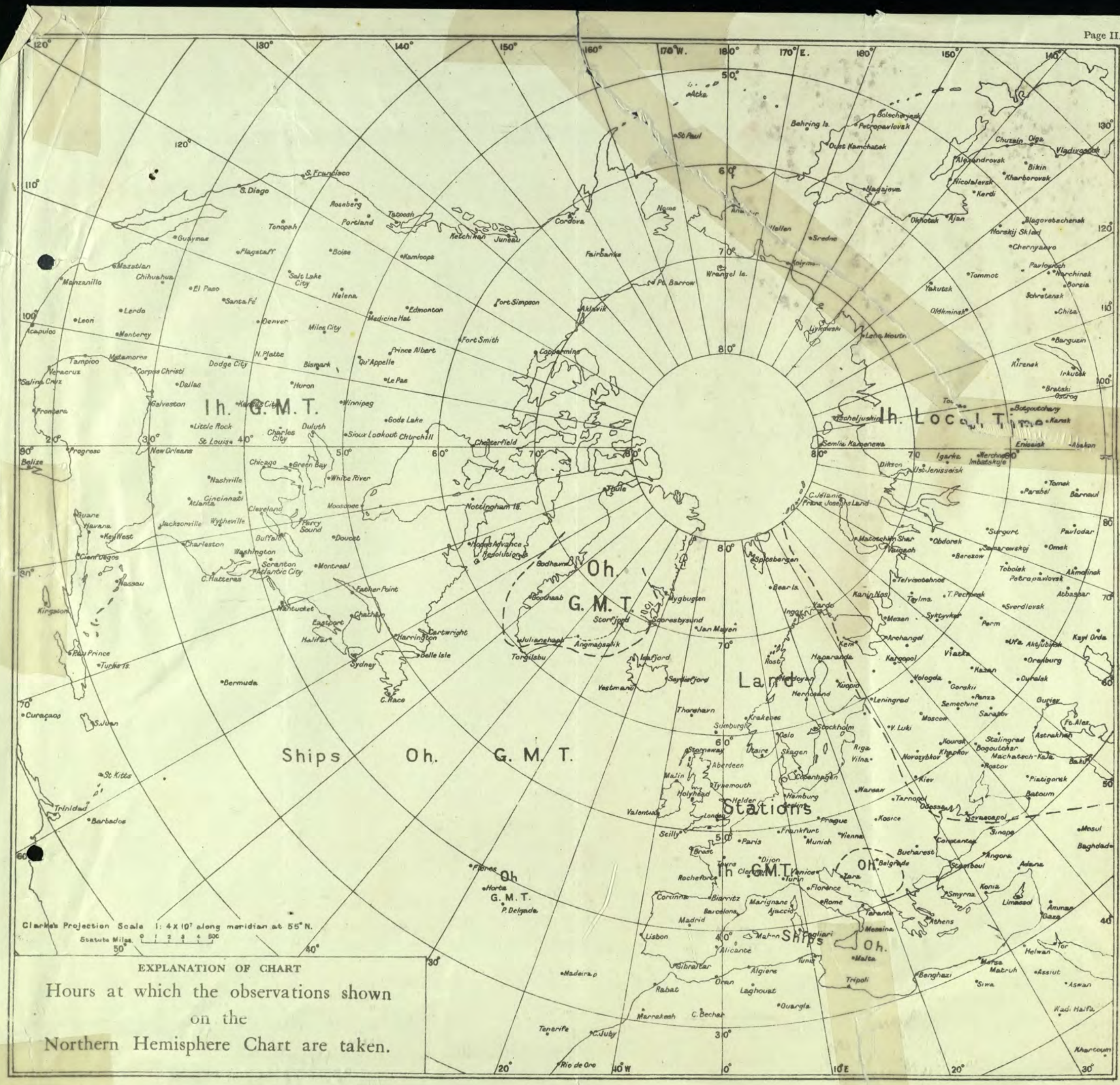
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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

▲ North Cone hoisted: ▼ South Cone hoisted:

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

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



EXPLANATION OF CHART

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

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND

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

FORECAST DISTRICTS and the Counties comprised within them

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14. *Mid Scotland.*
Perth.

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

16. *Orkneys and Shetlands.*

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

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

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

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

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT

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

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

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

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

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

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

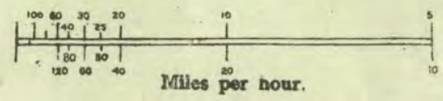
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the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

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

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

GEOSTROPHIC WIND SCALES

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



This scale applies under the following conditions:—
Pressure, 1,015 mb. Temperature, 50° F. Latitude, 55°.

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

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

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

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

$x = f - .444\ (t - t')$ for wet bulb readings above 32° F.
$x = f - .400\ (t - t')$ for wet bulb readings below 32° F.
where x is the vapour pressure in mb.
F the saturation vapour pressure at the temperature of the dry bulb;
For air temperatures below 32° F. the value of F used is that appropriate to an ice surface.
f the saturation vapour pressure at the temperature of the wet bulb;
For wet bulb temperatures below 32° F. the value of f used is that appropriate to an ice surface.
t the dry bulb temperature; and
t' the wet bulb temperature.

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

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

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

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

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

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

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

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SECRET

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON

MONTHLY SUPPLEMENT,

August 1942 No. 308

Changeable, cool; thundery and warm latter part of month.

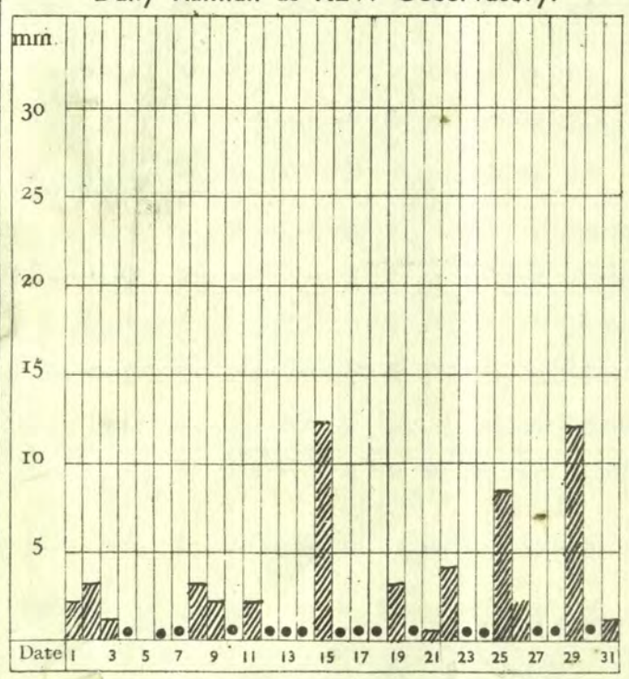
Cyclonic systems prevailed over the greater part of the month, giving rise to cool showery conditions, although the total amounts of rainfall were on the whole, small. During the first three days, a depression west of Ireland moved eastward across the country, causing thunderstorms on the 3rd in the Southern half of the country. Between the 4th and the 12th an anticyclone persisted between the Azores and N.E. France. A front which moved in a northerly direction over Ireland on the night 7th-8th gave heavy rainfall (29mm at Aldergrove, 27m Malinhead and 25mm at Birr Castle.)

From the 25th to 28th a southeasterly air current from an anticyclone on the Continent spread over the Southeast and warmer conditions were experienced. On the 28th, maximum temperatures of 90°F were recorded at Regents Park, Camden Square, Kensington and Mildenhall. By the 29th a low pressure system spread up from the Bay of Biscay to the Southeast giving widespread thunderstorms in the Midlands and Southeast England. (Ross 24hrs rain, 51mm).

Gales were reported at exposed places on the West coast on the 8th and 10th. Sunshine was on the whole, below the average for the month.

Maximum temperatures of 90F recorded around London are the highest in that area for August, since 1932.

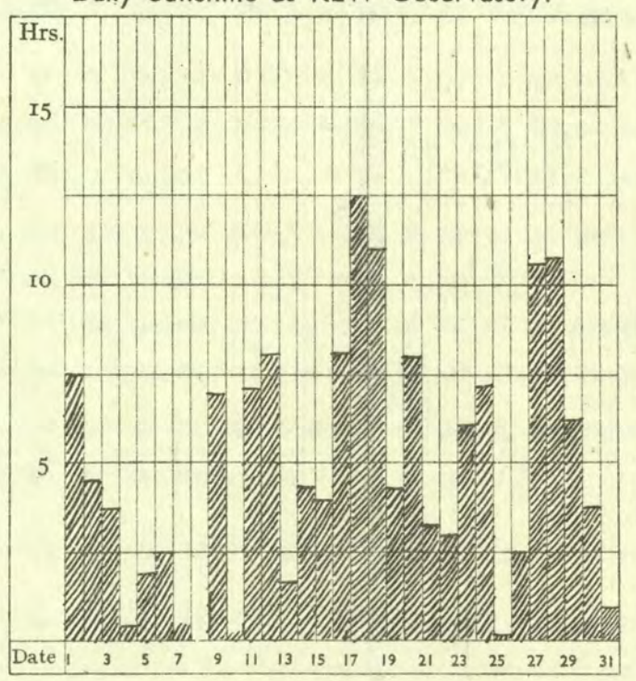
Daily Rainfall at KEW Observatory.



● = less than 0·5 mm.

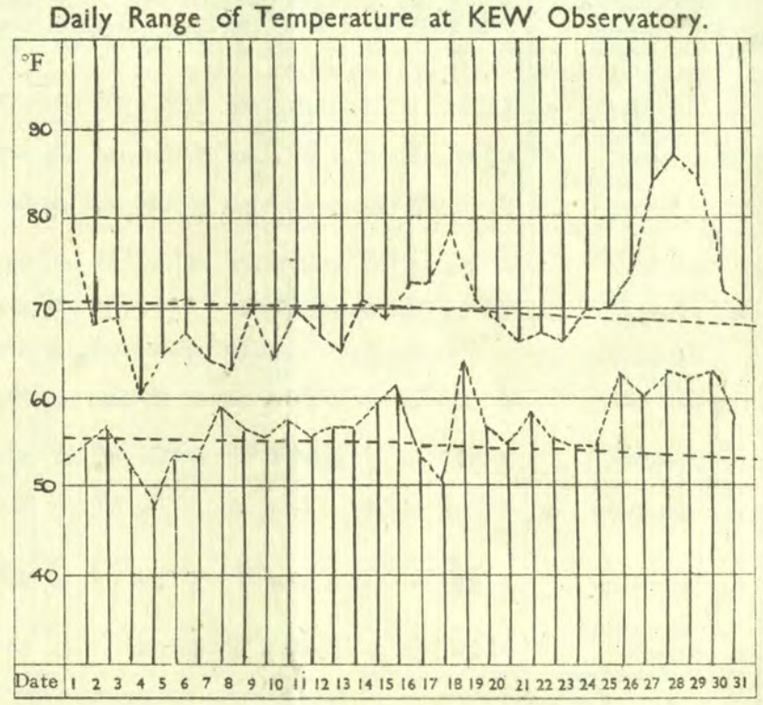
RAINFALL. Total for Month. 57 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 149 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		Temperature	
	Mean	Difference from average	Mean	Difference from average
	mb.	mb.	°F.	°F.
Kew	1014·2	−1·1	63	+0·3
Aberdeen	1013·6	+2·1	57·5	+0·8
Valentia	1012·6	−2·1	60·5	+1·7

* 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.

Kew	Aberdeen	Valentia
5	2	3

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 ...	4863
Aberdeen ...	
Lerwick ...	10460
Valentia ...	

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District	Stations.	† TEMPERATURE. Number of daily readings within fixed limits. Maximum. 51°–59°	60°–68°	69°–77°	78°–86°	87° or above	Average Maximum. °F.	Minimum. 33°–41°	42°–50°	51°–59°	60°–68°	69°–77°	Average Minimum. °F.	Extremes—Warmest and Coldest. Days. Highest Max. °F.	Date.	Lowest Max. °F.	Date.	Nights. Highest Min. °F.	Date.	Lowest Min. °F.	Date.	Number of Ground Frosts.	LOW CLOUD. Number of observations within fixed limits. 7 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	FOG, MIST and GOOD VISIBILITY. Number of observations within fixed limits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
1	London ... (Kew Obsy).	0	12	14	4	1	70·5	0	2	22	7	0	55·0	87	28	60	4	64	19	47	5	0	0	26	0	0	28	0	0	28	1	0	0	0	3	12	0	0	0	0	28
	Croydon ...	0	8	18	4	1	70·1	0	6	19	6	0	54·0	88	28	62	4	64	19	43	5	0	8	17	1	3	23	2	5	21	2	0	0	0	2	14	0	0	0	0	28
	Thorney Island	0	15	15	1	0	68·6	0	7	16	8	0	55·5	84	27	61	10	64	26	44	5	0	6	16	1	4	26	0	7	20	0	0	0	0	0	16	0	0	0	0	29
	Lympne ...	0	16	12	3	0	67·9	0	7	17	7	0	53·6	86	27	60	4	67	28	45	5	0	6	12	8	1	26	1	3	14	5	0	0	1	0	18	0	0	0	0	28
2	Shoeburyness...	0	5	23	3	0	71·0	0	5	18	8	0	54·1	80	27, 29	63	5	62	16, 27, 30	45	5	0	2	17	3	0	23	2	0	21	3	0	0	1	2	14	0	0	0	0	24
	Gorleston ...	0	16	15	0	0	68·0	0	2	19	10	0	55·0	74	29	61	4, 5	65	12, 27	47	6	0	5	15	0	2	23	0	4	18	0	0	0	2	1	13	0	0	0	0	24
	Cranwell ...	2	12	14	3	0	68·9	0	7	21	3	0	51·7	87	28	55	4	63	26	45	17, 18	0	6	13	4	3	25	0	1	24	1	0	0	2	2	11	0	0	0	0	21
3	Birmingham ... (Edgbaston)	0	20	8	3	0	67·7	0	6	21	4	0	52·9	88	28	60	3	64	29	45	5	0	9	14	0	4	26	0	5	24	0	0	1	0	3	15	0	0	0	1	26
4	Ross-on-Wye...	0	19	9	2	1	68·5	0	5	24	2	0	52·6	87	28	62	4	60	29, 30	44	5	0	6	19	0	3	27	0	3	26	0	0	0	1	0	17	0	0	0	0	25
5	The Lizard ...	0	30	1	0	0	*	0	1	26	4	0	*	74	28	62	15, 25	63	28	49	5	*	3	28	0	2	29	0	3	28	0	0	0	2	0	28	0	0	2	0	26
7	Holyhead ... (Valley)	1	25	5	0	0	63·0	0	2	28	1	0	55·1	77	28	59	2	60	8	43	5	0	7	21	0	5	23	0	6	22	0	0	0	0	3	20	0	0	1	0	21
8	Chester ... (Sealand)	1	12	15	2	1	67·1	0	3	24	4	0	51·9	88	28	59	3	62	8	45	5	0	2	23	1	0	30	0	1	27	0	0	0	2	4	14	0	0	0	0	17
10	Tynemouth ...	7	19	5	0	0	63·8	0	3	28	0	0	53·1	73	19	55	3, 4, 23	59	8, 27, 31	49	4	0	3	26	0	0	29	0	1	29	0	0	0	2	5	5	0	0	0	0	16
11	Leuchars ...	4	22	5	0	0	64·5	0	4	27	0	0	49·4	77	28	56	29	59	8	49	5, 24	0	7	21	2	3	28	0	5	22	1	0	1	1	3	20	0	0	1	1	25
12	Renfrew ...	2	23	6	0	0	64·3	0	5	25	1	0	50·0	76	18	60	11, 17	61	8	42	4	0	6	20	2	7	23	1	5	26	0	0	1	2	2	13	0	0	0	1	22
	Eskdalemuir ...	11	16	3	1	0	62·1	0	11	20	0	0	47·5	78	28	56	29	59	26	42	5	0	15	14	0	8	22	0	13	16	0	0	1	3	2	16	0	0	1	0	22
13B	Stornoway ...	18	13	0	0	0	60·3	0	4	27	0	0	50·0	66	26	51	17	56	8, 23	48	4	*	2	29	0	1	30	0	2	29	0	0	0	0	0	27	0	0	0	0	27
15	Aberdeen ...	9	18	4	0	0	62·8	1	6	24	0	0	50·7	75	27, 28	56	3	56	8, 9, 11, 18, 26	41	24	0	8	21	0	6	25	0	5	26	0	0	1	1	1	18	0	0	1	0	22
18	Aldergrove ...	4	20	5	0	0	65·1	1	8	20	0	0	51·3	73	28	58	22	59	17	41	4	0	11	22	0	3	27	0	5	27	0	0	0	0	1	21	0	0	0	1	25
19	Birr Castle ...	1	22	8	0	0	65·1	1	2	28	0	0	51·3	77	28	53	20	59	7, 15	41	23	0	7	24	0	4	27	0	1	29	0	0	0	1	0	30	0	0	0	0	31
20	Valentia ... (Cahirciveen)	0	28	3	0	0	63·1	0	2	28	1	0	54·5	75	29	60	12	62	29	45	23	0	9	21	0	4	26	1	5	26	0	0	0	0	0	21	0	0	0	0	25

UPPER AIR TEMPERATURE.

Pressure mb.	Normal Height. Feet.	Bircham Newton. Normal Temp. °F.	Mean. °F.	No. of Reports.	Aldergrove. Mean. °F.	No. of Reports.	Penzance. Mean. °F.	No. of Reports.
950	1830	57·3	57	62	52·5	62	50	31
850	4850	46·7	47	62	44	62	43	31
750	8200	37·6	39	62	37·5	62	36	31
650	11940	26·7	28	62	26·5	62	27	31
550	16200	12·1	14	62	12	62	14	31

UPPER WINDS.

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

Station. Height. Metres.	Lympne. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Plymouth (Mt. Batten). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Holyhead (Valley). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Renfrew. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Station. Height. Metres.
		kilometres per hour.						kilometres per hour.						kilometres per hour.						kilometres per hour.					
500 above ground	71	31	32	7	0	0	32	18	14	0	0	0	13	8	4	1	0	0	8	6	2	0	0	0	500 above ground.
1000 above M.S.L.	64	25	29	9	0	0	31	21	7	2	0	0	13	8	4	0	0	0	4	3	1	0	0	0	1000 above M.S.L.
2000 ,, ,,	40	11	23	6	0	0	13	1	12	0	0	0	5	2	2	0	0	0	1	0	0	1	0	0	2000 ,, ,,
3000 ,, ,,	25	3	17	4	0	0	5	0	4	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	3000 ,, ,,
4000 ,, ,,	13	4	8	1	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	1	0	0	0	4000 ,, ,,

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

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

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

SUNSHINE, RAINFALL, AND HUMIDITY ..... August ..... 1942.

District.	Stations.	SUNSHINE. Number of Days with Duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months. Hours.	Difference from average. Hours.	Total for Month. Hours.	Difference from average. Hours.	Highest and Lowest Totals on record for Month. First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.	RAINFALL. ‡Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hours. mm.	Date.	Total for past 12 months. mm.	Difference from average. mm.	Total for Month.‡ mm.	Difference from average mm.	Highest and Lowest Totals on record for Month. First year of record.	Highest. mm.	Year.	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London ... (Kew Obsy).	1	10	8	8	4	12·5	17	1416	-53	149	-34	1880	262	1899	109	1912	16	3	9	3	0	0	12	15	484	-122	56	-1	1856	165	1878	2	1940	5	0
	Croydon ...	0	10	7	9	0	12·9	17, 18	1556	+31	171	-22	1922	260	1923	136	1931	12	2	14	3	0	0	11	11	570	-109	59	0	1921	106	1931	0·5	1940	5	0
	Thorney Island	*	*	*	*	*	*	*	*	*	*	*	1941	*	*	*	*	13	4	9	4	1	0	17	29	536	-157	73	+13	1941	149	1942	0	1940	3	0
	Lympne ...	1	7	9	8	0	13·3	1	1745	-20	192	-21	1921	283	1933	167	1925	15	8	4	4	0	0	11	3	535	-189	44	-15	1920	129	1941	2	1940	5	0
2	Shoeburyness ...	1	8	11	5	6	12·8	6	1573	-143	195	-16	1919	263	1933	167	1936	15	5	9	0	2	0	17	2	445	-58	57	+12	1920	93	1941	4	1940	5	0
	Gorleston ...	0	10	9	5	7	12·6	18	*	*	171	-26	1908	249	1923	116	1912	20	5	5	1	0	0	10	8	508	-114	28	-35	1871	208	1912	7	1937	1	0
	Cranwell ...	2	11	7	4	7	12·2	28	1449	-89	147	-38	1921	225	1933	139	1925	18	5	4	2	2	0	21	25	554	-36	65	-4	1917	99	1917	11	1937, 1940	1	0
3	Birmingham ... (Edgbaston)	4	14	5	3	5	11·6	16	1217	-87	121	-42	1887	247	1899	85	1896	13	5	12	0	1	0	17	25	665	-9	54	-15	1893	173	1912	6	1940	2	0
4	Ross-on-Wye ...	1	16	2	3	3	12·4	16	1418	-67	130	-42	1915	244	1933	107	1922	14	7	5	4	0	1	51	29	600	-117	104	+39	1859	202	1878	4	1936	3	0
5	Falmouth ... (Observatory)	2	6	14	2	7	12·9	23	1640	-70	159		1881	297	1899	104	1912	11	3	10	6	1	0	19	2	885	-222	92	+9	1871	267	1912	4	1940	1	0
7	Holyhead (Valley)	*	*	*	*	*	*	*	*	*	*	*	1914	212	1914	139	1920, 1921	9	9	7	6	0	0	11	24	813	-74	73	-8	1871	227	1917	14	1940	2	0
8	Chester ... (Sealand)	*	*	*	*	*	*	*	1350	-26	131	-28	1923	193	1926	125	1924	12	8	7	3	1	0	17	2	615	-23	68	-2	1922	150	1931	12	1940	5	0
10	Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	1935	*		*	*	16	5	6	4	0	0	11	25	564	-57	56	-14	1915	138	1917	24	1918	3	0
11	Leuchers ...	5	14	5	4	3	11·3	27	1429	-41	98	-57	1922	202	1933	102	1924	13	8	9	1	0	0	6	8	619	-34	33	-45	1922	192	1930	9	1932	0	0
12	Renfrew ...	7	14	5	2	3	10·2	4	1135	-58	85	-44	1921	165	1926	93	1932	7	1	17	6	0	0	21	7	892	-47	114	+22	1921	149	1929	28	1932	0	0
	Eskdalemuir ...	11	14	2	4	0	8·4	28	1246	+45	58	-63	1910	197	1911	44	1912	9	4	9	7	2	0	21	10	1338	-91	137	+6	1910	262	1923	46	1931	0	0
13B	Stornoway ...	7	15	5	3	1	10·8	26	1131	-84	65	-63	1881	262	1899	83	1935	9	7	5	9	1	0	23	8	984	-217	117	+21	1870	217	1903	18	1880	*	*
15	Aberdeen ...	4	15	5	4	3	11·6	27	1190	-139	101	-39	1881	199	1938	67	1912	16	1	7	7	0	0	13	11	742	-6	65	-5	1871	176	1877	19	1899	1	0
18	Aldergrove ...	4	17	4	2	2	11·9	28	1262	-35	82	-53	1927	182	1931	103	1934	13	2	5	8	0	1	29	7	961	+123	82	-53	1926	155	1929	17	1940	2	0
19	Birr Castle ...	3	14	7	5	2	10·3	27	*	*	98	-39	1881	236	1899	70	1894	8	4	10	7	2	0	25	7	895	+68	147	+50	1862	229	1917	13	1940	1	0
20	Valentia ... (Cahirciveen)	3	12	8	5	3	12·3	4	*	*	119	-29	1880	270	1899	87	1894	6	5	12	7	1	0	20	18	*	*	124	+2	1866	220	1928	10	1940	3	0

MINIMUM SURFACE HUMIDITY.

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

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

STATE OF GROUND AT 18 h.

No. of Days each Type was recorded

Stations.	0	1	2	3	4	5	6	7	8	9
London (Kew)...	6	25	0	0	0	0	0	0	0	0
Ross-on-Wye ...	16	15	0	0	0	0	0	0	0	0
Renfrew ...	9	22	0	0	0	0	0	0	0	0
Eskdalemuir ...	7	24	0	0	0	0	0	0	0	0
Aberdeen ...	14	17	0	0	0	0	0	0	0	0
Valentia ...										

CODE for State of Ground.

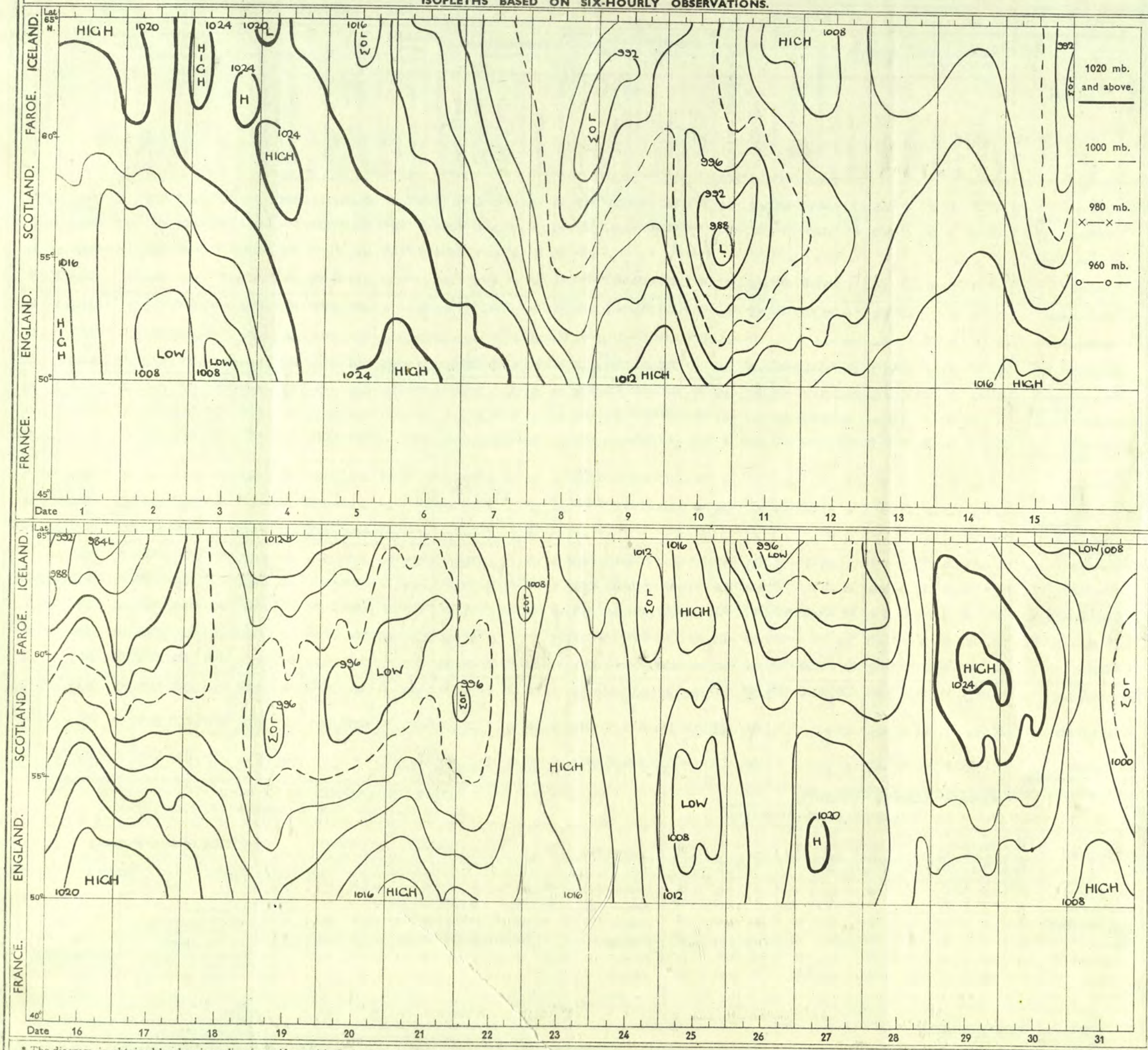
0 Dry.
1 Wet.
2 Flooded.
3 Frozen hard and dry.
4 Partly covered with snow or hail.
5 Covered with ice or glazed frost.
6 Covered with thawing snow.
7 Covered with snow, less than 6 in., but ground not frozen.
8 Covered with snow, less than 6 in., and ground frozen.
9 Covered with snow, greater than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

* Rainfall from Addington.

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

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

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



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

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

SECRET

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

Saturday 1st August 1942 — No. 29472.

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	21·3	-16	E'S	2	bc	73	45	49	7	7	–	–	7-8	7-8	4000
	Croydon ...	21·6	-12	ESE	3	bc	71	55	55	8	4	5	–	4-6	4-6	4500
	S. Farnborough	20·4	-18	E	5	c	75	45	52	9	1	–	9	4-6	7-8	4000
	Boscombe Down	20·7	-14	SE'E	3	c	71	55	54	7	2	3	–	4-6	7-8	3500
	Thorney Island	20·9	-14	SE	3	bc	72	45	57	8	4	3	–	2-3	2-3	4000
	Lympne ...	21·4	-14	NE	2	b	67	45	47	8	1	–	–	Tr	Tr	2500
	Manston ...	22·0	-10	ENE	2	b	64	75	55	8	1	–	–	Tr	Tr	2800
2	Shoeburyness ...	22·5	-16	E	3	b	66	75	57	7	–	–	–	0	0	–
	Felixstowe ...	23·4	-10	E'N	3	b	66	65	54	8	–	–	–	0	0	–
	Gorleston ...	23·9	-14	SE'S	3	bc	61	75	55	7	1	–	–	2-3	2-3	3000
	Mildenhall ...	22·0	-14	ESE	2	bc	70	55	54	8	1	–	–	7-8	7-8	3000
	Cranwell ...	21·4	-14	S'E	2	bc	70	65	57	7	2	–	–	4-6	4-6	3500
3	Birmingham ...	21·0	-10	SSE	2	bc	72	45	50	8	1	3	–	4-6	4-6	4000
	Upper Heyford	20·6	-14	ESE	2	bc	72	55	52	7	1	–	9	4-6	4-6	3500
4	Ross-on-Wye	20·3	-16	SSW	3	c	75	55	56	7	1	9	–	4-6	7-8	4000
5	Hartland Point	20·0	-8	NE	1	b	66	75	57	6	1	–	–	Tr	Tr	3200
	Bristol ...	21·2	-10	SE'S	1	bc	74	55	56	8	2	3	–	4-6	7-8	4000
	Portland Bill ...	20·6	-6	E	2	bc	65	92	63	8	2	–	–	4-6	4-6	4000
	Plymouth ...	20·3	-10	SSW	2	bc	68	75	59	7	8	–	–	4-6	4-6	2500
	The Lizard ...	20·1	-6	NE	2	b	66	75	59	8	–	–	–	0	0	–
	Scilly (St. Mary's)	20·1	-8	E'N	1	bc	71	65	59	8	–	4	8	0	2-3	–
	Guernsey ...															
6	Pembroke ...	20·8	-10	SSE	3	z_o	65	85	59	6	2	3	–	1	2-3	3500
7	Holyhead (Valley)	21·2	-10	SW'S	2	c	69	55	53	8	–	7	9	0	7-8	–
	Chester (Sealand)	20·6	-8	NW'W	3	c	68	65	54	6	4	7	–	4-6	9+	5000
8	Manchester ...	20·5	-14	S'W	3	bc	72	55	55	6	1	–	9	2-3	7-8	4000
10	Spurn Head ...	22·2	-16	SE	4	bc	64	85	58	7	2	6	1	2-3	4-6	2500
	Catterick ...	21·0	-14	S'E	3	z_o	68	75	53	5	–	3	2	0	9	–
	Tynemouth ...	21·4	-12	SE	3	c	61	85	57	6	8	3	–	4-6	7-8	3200
11	St. Abbs Head	19·3	-6	E	1	c	65	65	53	8	5	7	–	7-8	9+	6000
	Leuchars ...	18·8	-14	WSW	3	z_o	66	75	57	6	5	7	–	7-8	9	5100
12	Renfrew (Abbotsl.)	19·5	-10	WSW	3	c	70	55	52	8	1	7	–	2-3	7-8	3500
	Eskdalemuir ...	20·3	-8	SW'S	4	bc	63	65	52	8	7	7	–	2-3	7-8	2500
	Point of Ayre ...	21·1	-4	NNE	1	bc	64	75	55	8	1	4	9	1	4-6	4000
13A	Tiree	18·3	-6	S	4	z_o	60	92	58	6	5	–	–	4-6	9+	200
13B	Stornoway ...	14·7	-8	SW	4	c/r	57	97	57	8	5	7	–	7-8	10	1500
15	Dalwhinnie ...	18·2	-4	WSW	3	c	64	65	53	8	5	–	–	9+	9+	2500
	Aberdeen ...	18·0	-6	SSW	2	c/r	62	85	59	7	5	7	–	4-6	10	2500
	Wick ...	16·5	-14	SSE	2	$r_o r_o$	56	92	54	7	5	7	–	4-6	10	3000
16	Sumburgh ...	16·9	-6	NW	1	$r_o r_o$	53	92	51	7	5	7	–	4-6	10	2000
17	Blacksod Point	20·3	-6	SSW	2	c	65	85	60	9	8	–	–	10	10	2500
18	Malin Head ...	18·2	-10	WSW	1	c	67	75	59	8	8	2	–	7-8	9	2500
	Aldergrove ...	19·7	-8	S'W	2	c	68	75	58	8	7	7	1	4-6	9+	3500
19	Birr Castle ...	19·2	-14	SSE	1	c	72	65	60	8	4	–	5	7-8	9	2500
20	Valentia Obsy.	19·0	-14	S	4	c	68	75	60	9	8	–	–	9	9	2500
	Roches Point	20·2	-10	SE'E	3	dd	60	97	59	5	5	–	–	10	10	450

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

Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
19·3	-8	E'S	3	bc	70	45	47	7	–	4	4	0	2-3	–	0	*
19·7	-8	NE	3	bc	66	55	50	7	–	4	4	0	4-6	–	0	*
18·9	-6	E'N	3	bc	71	45	57	9	1	–	5	Tr	2-3	4500	0	*
18·5	-18	E'N	3	bc	72	55	53	8	1	–	3	2-3	2-3	3500	0	*
19·0	-10	SE	3	b	68	55	50	9	1	–	3	Tr	Tr	5700	0	*
20·5	-6	ENE	2	b	63	75	54	8	–	8	1	0	Tr	–	0	§ *
20·0	-6	ENE	3	b	63	75	54	8	–	4	4	0	1	–	0	*
20·8	-8	ENE	3	bc	64	75	54	8	–	–	9	0	2-3	–	0	*
21·0	-18	ENE	3	bc	63	75	55	8	–	4	–	0	2-3	–	0	2
22·0	-6	SE'S	2	b	60	75	53	7	–	4	–	0	Tr	–	0	3
19·9	-12	E'S	2	bc	69	55	51	8	–	5	–	0	4-6	–	0	*
19·0	-8	ESE	3	bc	71	65	58	7	–	3	2	0	4-6	–	0	*
18·3	-10	–	0	bc	72	46	50	8	1	9	–	Tr	7-8	4000	1	*
18·6	-12	SE'E	1	z_o	72	55	54	6	4	8	8	Tr	4-6	5700	0	*
18·1	-12	E'S	2	bc	74	55	54	7	1	9	–	1	4-6	4000	0	*
18·1	-14	NNE	2	bc	66	65	54	7	–	4	–	0	2-3	–	0	3
19·2	-10	S'E	1	bc	73	55	55	8	2	6	–	2-3	4-6	4000	0	*
18·7	-4	E	2	bc	62	92	60	8	2	–	–	4-6	4-6	4000	1	2
18·8	-6	SSE	2	b	70	65	56	7	1	–	–	Tr	Tr	3000	0	2
18·5	-8	ENE	2	bc	65	85	60	7	4	–	–	2-3	2-3	3500	0	2
18·7	-8	ENE	2	bc	67	65	56	7	–	–	3	0	4-6	–	0	2
18·7	-10	WNW	2	z_o	67	75	57	6	–	–	1	0	1	–	0	2
15·7	-14	–	0	b	69	85	63	9	–	8	–	0	Tr	–	0	1
18·4	-10	NW'N	2	bc	69	55	54	8	–	4	–	0	4-6	–	0	*
18·5	-10	–	0	c	71	65	56	7	–	3	–	0	7-8	–	0	*
19·9	-10	SE	5	bcjf	61	85	57	7	–	3	–	0	4-6	–	0	3
19·0	-8	W	1	z_o	69	55	55	6	–	7	2	0	7-8	–	0	*
19·6	-10	SSE	2	z_o	63	85	58	5	5	–	–	7-8	7-8	3200	1	2
18·8	-12	SE	1	bc	63	75	54	8	–	8	–	0	4-6	–	0	1
17·1	-6	WSW	2	c	69	65	57	8	5	7	–	7-8	9	5200	0	2
16·7	-14	SW	3	bc	72	65	61	7	1	8	4	2-3	4-6	7500	0	*
17·7	-6	WSW	3	c	67	65	55	8	5	7	2	4-6	7-8	3000	0	*
18·0	-10	SW	3	c	66	65	55	8	7	7	–	2-3	7-8	2800	1	*
18·8	-12	SE	1	bc	63	75	54	8	–	8	–	0	4-6	–	0	1
17·4	-4	SW'S	3	dd	59	97	56	6	–	2	–	10	10	900	1	4
14·7	-2	SW	2	c/r	58	97	58	7	5	–	–	7-8	10	1500	1	2
16·4	-6	SW	3	c	60	85	54	8	5	–	–	9+	9+	2500	0	*
15·8	-10	SSW	3	bc	68	75	59	7	5	3	6	1	2-3	4000	0	1
15·2	-6	–	0	rr	60	97	60	6	5	7	–	4-6	10	1000	1	*
14·8	-10	S	2	$r_o r_o$	59	97	57	7	5	2	–	9	10	1500	1	2
16·7	-14	–	0	c	65	85	60	9	8	3	2	4-6	7-8	2500	0	1
17·5	-10	E	1	c/r	61	92	59	8	5	2	–	4-6	10	1500	1	1
17·7	-12	W	1	c	69	75	61	8	5	4	5	7-8	9	2500	0	*
17·0	-14	SSW	1	c	68	85	63	8	5	3	–	4-6	7-8	2500	0	*
17·2	-10	S'W	4	id_o	64	85	59	8	5	3	–	9	9+	1500	0	3
18·0	-14	S	2	c	62	92	60	8	5	–	–	9+	9+	1500	1	3

PAST 24 HOURS.

Weather. 7h.—13h. 31st (39)	13h.—18h. 31st (40)	18h. 31st – 1h. 1st (41)	1h.–7h. 1st (42)
bbcy	bcy	bbzow	$l_m m_a w$
bbcy	bcy	bcybw	bm.bF
bm_obcy	cbcyby	bybm$_o$	bm$_o$ofwm$_o$
bbccy	cbcy	b	bfg bc
bcwbd	bbcbdy	byb	bw
bby	byb	bw	bjfbm$_o$
b	b	bbw	bm$_a$wfm$_o$
bcb	b	bm	bmw
bcb	bcb	bbw	bwbbm$_o$
bc	b	bccw	bcwb
bbcy	bcybycy	bm$_o$fgw	bFWOFew
bbc	bcb	b,cbcm$_o$	b,cm$_o$
fbbcy	bc	bcb	bbcz
bm_obcy	bcz$_o$ycy	bcybm$_o$	bm$_o$jfbc
bzcbc	bcy	bcbz	bm$_o$wbc
bcb	bbc	bccbcc	cbc
bm$_o$z$_o$cy	bcy	bcybw	bcm$_o$
cbc	bcbc	bcbc	bcbc
bbc	bccbc	bm$_o$w	bcm$_o$w
bcb	bbc	bcz$_o$w	cbc
bc	bcbbc	bcb	bbccw
bbcz$_o$	bz$_o$	bm$_o$w	bccwm$_o$
bcc	cbcby	bybc	bcfgfwb
bz$_o$cz$_o$	cz$_o$y$_o$bc	bcbc	cm
bcz$_o$y	cz$_o$yc	bcbm$_o$	bcz$_o$
bc	bcfs	c	bc
bcz$_o$cz$_o$	czcz$_o$	bcm$_o$	cm$_o$of
cffbccm$_o$	cm$_o$	cm$_o$	cm$_o$ff
cbcc	c	cbccbc	bcc
ccm$_o$	cm$_o$ybc	bc	cbcmow
cy	cybcc	c	cbcfgnoc
cb	bcc	cbc	bc
bccbc	cy	bccbc	bccwb
cidddcm$_o$	bdd	cm$_o$	corr
cRR	crr	cpr	crrcd
bc	c		c
cr$_o$r$_o$	cir$_o$bc	bcc	cbc
r$_o$r$_o$ir$_o$r$_o$	cr$_o$r$_o$m$_o$	cm$_o$oir$_o$m$_o$Cdodom	
cr$_o$r	cr$_o$i$_o$	cdodomF,cmCmdo	

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light Southeasterly to variable winds; fine at first; chance of local thunderstorms later; local mist or fog around dawn; rather warm by day.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Light to moderate Southeasterly winds; fair at first; rather general thundery rain later; rather warm.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light South to Southeast winds; mainly fair; rather warm.
12 S.W. Scotland & Isle of Man 13A W. Scotland ...	As 5 - 8.
13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light Northeast to variable winds; dull with slight rain or drizzle at times; average temperature or rather cool.
16 Orkneys and Shetlands	
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light to moderate Southeast to variable winds; cloudy with thundery rain at times; average temperature.

GENERAL INFERENCE

A depression centred West of Ireland is spreading eastwards. Weather will be fine over much of Britain at first, but general thundery rain will spread across from Ireland, and local thunderstorms may break out later in the Midlands and the Southeast. Temperatures will be rather high in many parts of the country, but in the North and West they will be about normal.

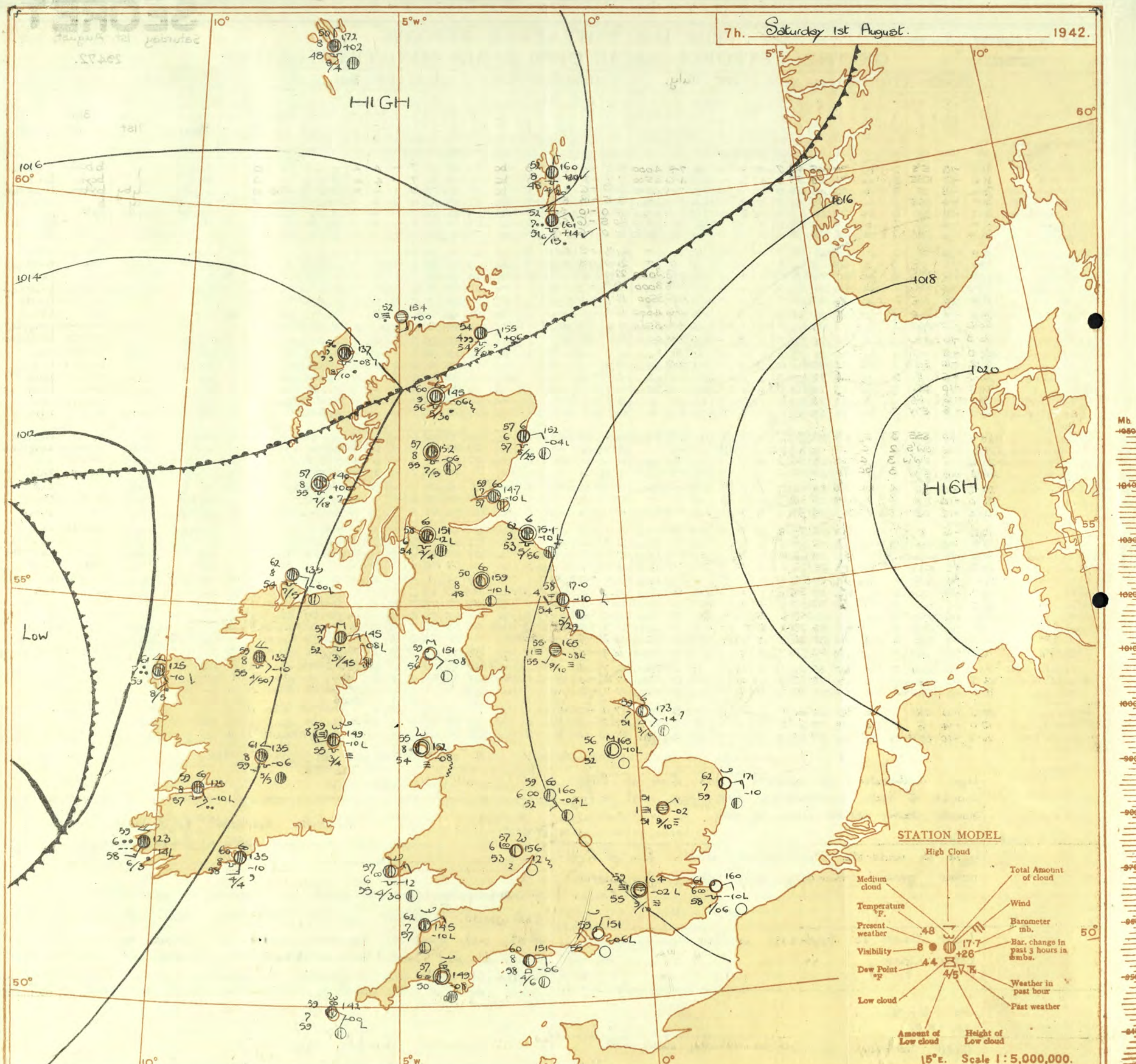
FURTHER OUTLOOK

General thundery type.

Forecasts issued at 10.30.

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

7h. Saturday 1st August 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Saturday 1st August

1942.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Saturday 1st August 1942 — No. 29472.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	°F Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon ...	290	18·5	-6	SE	1	b	54	97	54	6	-	-	-	0	0	-
	S. Farnborough	226	18·1	-4	—	0	Z_0	51	85	47	5	-	-	-	0	0	-
	Boscombe Down	417	18·7	-2	E	3	b	54	85	49	7	-	3	-	0	Tr	-
	Thorney Island	10	17·1	-4	NNE	2	b	53	92	50	8	-	-	-	0	0	-
	Lympne ...	283	18·7	-6	E	1	b	57	97	55	7	-	-	-	0	0	-
	Manston ...	154	17·8	-10	-	0	Z_0	57	92	55	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	19·0	-10	NE	2	b	55	97	54	8	-	3	-	0	1	-
	Gorleston ...	5	19·8	-10	E	1	c	60	85	56	7	-	3	-	0	7·8	-
	Mildenhall ...	15	18·8	-4	ENE	1	fg	50	97	49	5	-	4	-	0	Tr	-
	Cranwell ...	203	18·8	-2	SSE	2	Z_0	55	85	51	6	-	3	-	0	4·6	-
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18·8	+2	E	1	Z_0	55	85	50	6	-	8	1	0	4·6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·0	-4	SSW	2	c	62	75	55	7	5	-	-	9+	9+	4000
	Bristol ...	209	18·4	-2	—	0	b	54	85	50	8	-	-	1	0	Tr	-
	Portland Bill ...	32	17·9	0	E	2	bc	59	92	57	8	1	-	-	2-3	2-3	4000
	Plymouth ...	82	17·5	-4	E	1	b	54	92	51	6	-	-	3	0	Tr	-
	The Lizard ...	240	17·5	-2	NE	1	bc	58	85	54	7	4	6	-	2-3	2-3	3000
	Scilly (St.Mary's)	163	16·6	-14	E	2	b	58	92	57	7	-	-	-	0	Tr	-
	Guernsey ...	175															
6	Pembroke ...	142	17·5	-6	ENE	2	Z_0	60	85	54	6	-	3	-	0	1	-
7	Holyhead (Valley)	32	17·2	-6	-	0	bc	52	92	50	7	-	4	2	0	4·6	-
	Chester (Sealand)	16	17·2	-6	—	0	m	56	92	54	4	-	7	-	0	9+	-
8	Manchester ...	235	17·7	-4	SSE	3	Z_0	62	75	55	6	-	3	-	0	4·6	-
10	Spurn Head ...	29	19·2	-6	S	4	c	59	92	55	7	7	3	-	4·6	9	4000
	Catterick ...	175	18·4	-4	S'W	1	Z_0	54	92	51	5	-	7	-	0	7·8	-
	Tynemouth ...	108	18·8	-6	WNW	2	Z_0	60	85	53	5	5	3	-	4·6	7·8	2500
11	St. Abbs Head	280	16·6	-4	WNW	1	bc	62	75	55	7	5	4	-	2-3	4·6	4000
	Leuchars ...	36	16·3	-2	W	1	bc	58	92	56	9	-	3	-	0	4·6	5700
12	Renfrew (Abbotsl.)	19	16·7	-6	S'E	1	c	59	85	54	7	5	3	-	4·6	7·8	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	16·9	-8	-	0	bc	52	92	49	8	4	7	6	1	4·6	5000
13A	Tiree	22	16·4	-4	—	0	c	57	92	57	7	5	-	-	9+	9+	1200
13B	Stornoway ...	80	14·6	-2	—	0	pr	57	97	57	6	5	2	-	9	10	1000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	15·6	-2	-	0	bc	54	92	53	9	5	3	-	1	4·6	4000
	Wick ...	114	15·4	+2	-	0	Z_0	56	97	56	5	5	-	-	10	10	100
16	Sumburgh ..	19	14·4	+2	-	0	fd	53	97	53	4	5	-	-	10	10	100
17	Blacksod Point	18	14·6	-14	SW	1	c	61	85	57	8	8	-	-	9+	9+	1500
18	Malin Head ...	84	15·2	-16	ENE	1	c	59	92	57	8	6	-	-	10	10	1500
	Aldergrove ...	268	17·0	-4	—	0	bc	53	85	48	8	5	4	1	1	2-3	3500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	14·7	-14	S'E	3	c	61	97	60	7	5	-	-	10	10	800
	Roches Point	22	16·2	-10	S	1	fd	59	97	58	7	5	-	-	9+	9+	800

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

District	Stations	Barom at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	°F Dew Point. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	16·1	-10	—	0	Z_0	58	85	55	5	-	-	-	0	0	-	0	*
	Croydon ...	16·4	-2	—	0	f-	59	97	55	2	-	-	-	10	10	150	1	*
	S. Farnborough	16·0	-6	-	0	0	50	97	50	5	5	-	-	10	10	400	0	*
	Boscombe Down	16·4	+6	ENE	3	bc	57	85	53	7	-	3	2	0	4·6	-	0	*
	Thorney Island	15·1	-6	N'E	1	b	59	85	55	7	-	-	1	0	1	-	0	*
	Lympne ...	16·0	-10	NE	2	Z_0	61	92	58	6	5	-	-	Tr	Tr	600	0	0
	Manston ...	15·2	-10	-	0	Z_0	63	92	60	6	-	-	-	0	0	-	0	*
2	Shoeburyness ...	16·1	-8	N	2	b	59	92	57	6	5	-	-	1	1	700	0	*
	Felixstowe ...	16·4	-10	NNE	2	Z_0	60	92	57	6	-	-	-	0	0	-	0	2
	Gorleston ...	17·1	-10	ENE	3	b	62	85	59	7	-	-	1	0	Tr	-	0	2
	Mildenhall ...	16·8	-2	NE	1	f-	51	97	51	1	-	-	-	10	10	150	0	*
	Cranwell ...	16·5	-10	-	0	bc	56	85	52	7	-	8	-	0	2-3	-	0	*
3	Birmingham ...	16·0	-4	SE	1	Z_0	59	75	51	6	-	7	4	0	4·6	-	1	*
	Upper Heyford	15·8	-18	ENE	2	Z_0	57	85	52	6	-	3	4	0	4·6	-	0	*
4	Ross-on-Wye	15·6	-12	WSW	1	Z_0	57	85	53	6	-	-	9	0	4·6	-	0	*
5	Hartland Point	14·5	-10	NE	2	c	62	85	57	7	-	4	2	0	9	-	0	1
	Bristol ...	16·0	-14	-	0	Z_0	58	85	53	6	-	4	6	0	7·8	-	0	*
	Portland Bill ...	15·1	-6	ENE	2	bc	60	92	58	8	4	-	-	4·6	4·6	4000	1	2
	Plymouth ...	14·9	-8	-	0	Z_0	57	75	50	6	-	7	2	0	4·6	-	0	2
	The Lizard ...	14·3	-12	NE	2	bc	57	92	55	8	8	3	-	4·6	4·6	2500	0	2
	Scilly (St.Mary's)	14·2	0	E	2	c	59	97	59	7	-	7	9	0	9+	-	0	2
6	Pembroke ...	14·9	-12	NE'E	3	Z_0	57	92	55	6	5	4	2	4·6	7·8	3000	0	1
7	Holyhead (Valley)	15·2	-8	-	0	fs	55	97	54	8	-	-	9	0	1	-	0	1
	Chester (Sealand)	15·1	-6	SE'E	2	c	58	85	54	5	-	3	-	0	7·8	-	0	*
8	Manchester ...	15·7	-10	—	0	c	59	85	54	6	5	3	-	4·6	7·8	5700	0	*
10	Spurn Head ...	17·3	-14	SSE	2	bc	59	75	51	7	1	4	1	2-3	4·6	4000	0	3
	Catterick ...	16·5	-8	SSW	1	f+	55	97	55	1	-	-	-	10	10	150	1	*
	Tynemouth ...	17·0	-8	SW	2	m	58	85	54	4	5	-	-	7·8	7·8	2900	0	2
11	St. Abbs Head	15·1	-10	-	0	c	62	75	53	9	5	4	-	7·8	9+	5600	0	1
	Leuchars ...	14·7	-10	WSW	2	c	59	92	57	7	-	7	-	0	9	-	0	*
12	Renfrew (Abbotsl.)	15·1	-12	-	0	Z_0	58	85	54	6	5	7	-	4·6	9	4000	0	*
	Eskdalemuir ...	15·9	-10	-	0	bc	50	92	48	8	-	7	1	0	4·6	-	1	*
	Point of Ayre ...	15·1	-8	SE'E	2	b	59	92	56	7	-	8	-	0	1	-	0	1
13A	Tiree	14·0	-12	SSE	2	c	57	92	55	8	5	-	-	9+	9+	1800	1	3
13B	Stornoway ...	13·7	-8	-	0	dd	56	97	56	5	5	-	-	10	10	1000	1	1
15	Dalwhinnie ...	15·2	-6	S	1	c	57	92	55	8	5	-	-	9+	9+	2500	0	*
	Aberdeen † ...	15·2	-4	NE'E	1	Z_0	57	97	57	6	5	4	-	7·8	7·8	2500	1	1
	Wick ...	15·5	+6	NE'E	2	dd	54	97	54	4	5	-	-	10	10	200	1	*
16	Sumburgh ..	16·1	+14	NE	2	rd	52	97	51	7	5	2	-	9	10	1500	1	1
17	Blacksod Point	12·5	-10	SE	2	rr	61	92	59	7	-	2	-	10	10	2500	1	2
18	Malin Head ...	13·9	0	E'N	2	c	62	75	55	8	5	-	-	9+	9+	2500	1	1
	Aldergrove ...	14·5	-8	ENE	1	c	57	85	52	7	5	8	4	2-3	9	4500	0	*
19	Birr Castle ...	13·5	-6	S	1	c	61	92	59	8	5	1	-	7·8	10	2500	0	*
20	Valentia Obsy.	12·3	-14	SSE	3	rd	59	97	58	6	6	2	-	9	10	800	1	2
	Roches Point	13·8	-10	SSE	3	c	60	92	58	8	5	7	-	4·6	9+	1500	1	3

PAST 24 HOURS.

District	Stations	Temperatures. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 31st Hrs. (38)
1	London (Kew)	73	52	39	-	Tr	13·0
	Croydon ...	73	49	44	-	Tr	13·0
	S. Farnborough	76	47	38	-	-	13·4
	Boscombe Down	76	49	42	-	-	11·6
	Thorney Island	73	51	47	-	-	*
	Lympne ...	68	53	*	-	-	13·5
	Manston ...	65	51	43	-	-	12·8
2	Shoeburyness ...	67	50	42	-	-	13·4
	Felixstowe ...	66	56	51	-	-	13·2
	Gorleston ...	62	59	56	-	-	13·6
	Mildenhall ...	73	44	38	-	Tr	12·4
	Cranwell ...	*	45	34	-	-	9·1
3	Birmingham ...	75	54	41	-	-	8·5
	Upper Heyford	74	49	43	-	-	*
4	Ross-on-Wye	76	53	45	-	-	7·0
5	Hartland Point	67	58	54	-	-	12·1
	Bristol ...	76	50	39	-	-	10·5
	Portland Bill ...	65	57	*	-	-	*
	Plymouth ...	73	50	42	-	-	10·9
	The Lizard ...	67	55	*	-	-	13·4
	Scilly (St.Mary's)	71	55	*	-	Tr	13·8
6	Pembroke ...	67	56	*	-	-	12·2
7	Holyhead (Valley)	71	48	41	-	-	*
	Chester (Sealand)	73	55	47	-	-	9·4
8	Manchester ...	74	56	49	-	-	*
10	Spurn Head ...	64	55	*	-	-	8·5
	Catterick ...	71	51	46	-	-	8·2
	Tynemouth ...	69	56	53	-	-	*
11	St. Abbs Head	71	58	*	-	-	*
	Leuchars ...	73	56	51	-	-	5·6
12	Renfrew (Abbotsl.)	71	54	47	-	-	5·2
	Eskdalemuir ...	67	44	38	-	-	5·0
	Point of Ayre ...	66	51	*	-	-	10·1
13A	Tiree	62	56	*	1	3	0·5
13B	Stornoway ...	60	51	*	11	4	0·0
15	Dalwhinnie ...	65	49	42	-	-	0·2
	Aberdeen † ...	69	54	49	0·5	-	2·3
	Wick ...	62	53	*	6	4	*
16	Sumburgh ..	55	52	51	3	3	0·0
17	Blacksod Point	67	59	*	-	3	*
18	Malin Head ...	67	57	*	0·1	0·2	0·4
	Aldergrove ...	71	50	44	-	-	5·5
19	Birr Castle ...	73	57	55	-	-	4·4
20	Valentia Obsy.	70	59	58	Tr	4	4·3
	Roches Point	61	59	*	0·6	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 31st July ..... 18h. G.M.T. | 01h. G.M.T. 1st August ..... 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
109	5-	61758	17328	62	6463A	23568	--	57109	00059	52	61726	04268
115	52	62735	20568	--	67109	20469				--	67009	12369
203				5-	03948	16528						
206	52	22858	20367	52	61954	22268	53	02954	22265	57	02965	00028
210	53	22863	20267	57	02954	22466	57	02745	17226	57	02963	18227
220				5-	58408	20258				5-	03418	19228
230	57	02853	19327	52	02746	00058	5-	24408	00058	5-	49757	00047
245	57	02873	22267	29	01782	14215	03	01890	24114	59	02965	24217
260	15	02874	21115	17	01673	19114	83	02790	24115	53	02873	23115
278	07	02890	16327	43	02964	14326	07	02890	14225	73	04762	14214
279	07	05690	23325	57	01873	22325	03	02890	00026	03	05690	05213
285	17	01751	24415							5-	02746	24226
288	00	02790	16327	03	05690	22226	03	05690	18215	30	08490	20213
575	8-	10857	14227	57	02841	00068	5-	02868	12128	52	52724	10158
301				03	01890	02214	03	05890	08215	03	05590	12214
321	10	05641	14312	09	05690	14207	03	05690	13226	53	05653	13125
299	00	00790	18300	*			5-	01764	20314	54	01763	22314
292	5-	05664	15144	57	05574	03118	03	08490	00014	03	05590	00015
310	--	01645	20315							--	01644	14314
614	20	05668	18125	53	05605	00026	08	05890	14213	68	08490	00014

13h. G.M.T. 31st July ..... 18h. G.M.T. | 01h. G.M.T. 1st August ..... 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
333	03	01890	12114	00	00890	28100	03	05690	00003	03	05790	02113
334	--	05653	20114	--	05653	24114				--	04462	00013
340	13	05663	23214	33	01776	06186	03	08490	12216	03	05590	11313
136	10	01865	12215	04	01790	15211	08	05690	14213	08	05790	08114
330	23	01754	12315							50	05643	16213
350	20	02765	10215	08	02890	08227	03	05690	10103	03	05590	04103
368	13	00752	12203	13	01764	09204	50	05664	10114	03	05690	00003
379	23	01764	12215	43	02764	08115	03	05690	12313	03	05890	08114
390	10	01864	12314	04	01690	08214	00	01690	00010	00	05690	06240
382	10	05864	08114	57	05663	12124	68	05690	00012	08	04590	00044
436	04	00890	06303	04	00790	06303	00	00790	04100	80	00751	02311
430	10	01863	10414	00	00890	12202	00	00790	08100	00	00790	00010
409	10	00861	08201	10	01863	02213	04	00790	08103	09	02890	02116

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 1st August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	4bcy	bcy	bb2ow	Kew 24 hours ended 7h. Max. Time 0·25 6h. 1st
Croydon ...	bbcy	bcy	bcybw	
Greenwich ...	by	bbcy	bwcbm	
Camden Square	b.	b	*	
Kensington ...	b2bc	bc	*	Min. Time 0·1 9·21 31st
Hampstead ...	bcm	bc	b	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % (To-day)
Kew ...	73	52	39	-	Tr	13·0	*	*
Croydon ...	73	49	44	-	Tr	13·0	*	*
Greenwich ...	73	51	36	-	-	12·0	33	77
Westminster ...	73	55	53	-	-	*	53	79
Regents Park ...	78	53	44	-	-	*	58	71
Camden Square	77	53	45	-	-	*	*	
Kensington ...	75	52	45	-	-	*	54	71
Hampstead ...	71	52	49	-	-	*	*	75

SECRET

Page 1

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

Sunday 2nd August 1942 — No. 29473

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	12·8	-12	SE	2	Zo	75	45	43	6	7	-	1	4-6	4-6	2500
	Croydon ...	13·5	-20	ESE	2	c	75	55	58	8	1	-	4	2-3	7-8	3700
	S. Farnborough	13·0	-18	S	2	c	77	45	55	7	1	-	4	1	9	3000
	Boscombe Down	13·6	-14	SE'S	2	c	73	55	56	7	8	7	8	7-8	7-8	2500
	Thorney Island	13·7	-8	S	3	bc	72	65	59	7	1	9	6	1	9-6	4000
	Lympne ...	14·2	-10	ESE	2	b	73	55	55	8	1	-	4	Tr	1	4000
	Manston ...	12·8	-10	ESE	2	b	74	45	53	7	1	-	3	Tr	1	3500
2	Shoeburyness ...	14·5	-10	N'E	3	bc	70	65	60	6	-	-	5	0	2-3	-
	Felixstowe ...	14·8	-10	E'N	2	Zo	68	65	57	6	-	-	4	0	1	-
	Gorleston ...	16·0	-6	ESE	1	Zo	65	75	57	6	-	4	-	0	2-3	-
	Mildenhall ...	13·7	-18	SE	2	c	76	55	57	8	2	-	2	4-6	7-8	3000
	Cranwell ...	13·8	-14	SE	3	bc	72	55	52	7	1	-	-	1	2-3	4000
3	Birmingham ...	13·4	-14	SE	2	bc	73	45	53	8	1	-	4	1	4-6	4000
	Upper Heyford	13·2	-14	ESE	1	bc	73	45	53	7	1	3	6	4-6	7-8	3500
4	Ross-on-Wye	13·2	-12	SW	2	c	74	45	53	7	1	-	6	1	9	4000
5	Hartland Point	12·7	-10	NE	3	c	64	85	58	7	5	-	6	9	9+	3000
	Bristol ...	13·7	-12	-	0	c	65	45	45	8	1	3	7	Tr	9	4000
	Portland Bill ...	13·7	-6	E	2	c	61	85	58	8	2	-	-	9	9	4000
	Plymouth ...	13·0	-10	SW	3	c	64	85	59	7	2	7	2	2-3	9	2500
	The Lizard ...	13·5	-6	E	3	bc	67	75	60	8	2	6	-	4-6	4-6	3000
	Scilly (St. Mary's)	13·3	-6	S'E	2	bc	69	65	58	8	8	8	4	1	2-3	1800
	Guernsey ...															
6	Pembroke ...	13·7	-6	SW'S	2	Zo	62	85	58	6	5	1	-	7-8	9+	3000
7	Holyhead (Valley)	13·9	-10	SW'S	2	bc	70	55	55	8	2	3	6	Tr	4-6	3000
	Chester (Sealand)	12·8	-14	S'E	1	c	76	45	56	6	2	-	7	1	9	4500
8	Manchester ...	12·8	-16	SSE	3	Zo	73	55	55	6	1	-	2	7-8	9	4000
10	Spurn Head ...	15·6	-8	ESE	2	bc	61	85	57	7	-	4	1	2-3	4-6	7200
	Catterick ...	13·6	-18	SSE	2	Zo	75	55	56	6	1	3	1	1	2-3	3500
	Tynemouth ...	15·5	-10	SE	3	Zo	63	85	59	5	5	-	-	7-8	7-8	2900
11	St. Abbs Head	13·9	-6	SE	2	c	65	75	55	8	5	7	-	4-6	7-8	6000
	Leuchars ...	13·4	-10	SE	2	bc	72	75	62	8	5	3	-	4-6	4-6	3500
12	Renfrew (Abbotsl.)	12·6	-14	WSW	2	bc	76	45	54	7	1	3	9	1	2-3	4000
	Eskdalemuir ...	12·7	-10	SE	2	bc	71	55	55	6	8	7	-	2-3	4-6	2800
	Point of Ayre ...	13·8	-4	NNW	1	bc	68	75	59	7	1	-	2	Tr	4-6	4000
13A	Tiree	12·9	-6	SSE	3	c	64	75	55	8	5	7	-	4-6	7-8	3500
13B	Stornoway ...	13·2	-6	-	0	c	61	97	60	7	5	7	9	4-6	9+	1000
15	Dalwhinnie ...	13·5	-12	SSW	2	c	70	55	53	8	8	3	-	4-6	9	2500
	Aberdeen ...	14·2	-2	E	2	c/pr	65	85	60	8	8	7	-	2-3	7-8	2500
	Wick ...	15·3	-4	NE	2	Zo	55	97	55	6	5	-	-	10	10	300
16	Sumburgh ...	16·5	+2	ENE	3	c	54	75	47	8	5	3	2	2-3	7-8	3000
17	Blacksod Point	11·5	-2	S	1	r.r.	61	92	59	7	6	2	-	4-6	10	2500
18	Malin Head ...	12·1	-2	-	0	ir.	60	92	58	8	8	7	-	7-8	10	2500
	Aldergrove ...	12·7	-6	SE'S	1	c/pr	67	75	58	7	8	7	7	4-6	9+	2500
19	Birr Castle ...	12·2	-8	S	1	c	61	92	59	7	6	2	-	4-6	10	1500
20	Valentia Obsy.	11·9	-2	S'E	3	c/d	62	92	60	6	5	-	-	10	10	800
	Roches Point	12·5	-6	S'E	2	c	63	85	59	8	8	-	-	7-8	7-8	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	°F. Temp. (21)	% Humid. (22)	°F. Dew Point. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	10·8	-10	SW	1	c	70	65	55	7	5	-	-	9+	9+	2500	0	*
	Croydon ...	11·8	-10	S	2	c	73	65	59	8	5	-	2	2-3	9+	3000	0	*
	S. Farnborough	11·2	-6	SSW	3	c	73	55	56	8	-	-	7	0	10	-	0	*
	Boscombe Down	11·9	-8	S'W	2	c	71	65	57	8	-	7	8	0	10	-	0	*
	Thorney Island	12·1	-10	S	2	c	68	75	59	8	5	9	6	Tr	9+	5700	0	*
	Lympne ...	13·2	-6	E'S	1	bc	68	65	56	8	-	9	-	0	4-6	-	0	5
	Manston ...	12·3	-6	E	1	bc	67	65	55	6	-	8	3	0	4-6	-	1	*
2	Shoeburyness ...	12·6	-10	E'N	3	bc	66	75	58	7	-	-	9	0	4-6	-	0	*
	Felixstowe ...	13·0	-14	ENE	1	Zo	66	85	60	6	-	7	5	0	9	-	0	2
	Gorleston ...	13·6	-14	-	0	Zo	65	75	56	6	-	7	1	0	4-6	-	0	2
	Mildenhall ...	11·6	-10	SE	3	c	72	65	57	8	4	6	6	2-3	9+	4000	0	*
	Cranwell ...	11·8	-8	E	2	c	70	75	70	7	1	3	7	Tr	9	4000	0	*
3	Birmingham ...	11·4	-4	SSW	1	c	72	45	50	8	7	2	-	1	9+	5700	0	*
	Upper Heyford	11·2	-6	-	0	c	74	46	51	7	-	9	7	0	10	-	0	*
4	Ross-on-Wye	11·2	-8	W'S	1	c	72	55	56	7	-	7	-	0	9+	-	0	*
5	Hartland Point	10·9	-8	WNW	1	c	64	85	60	7	2	6	1	4-6	7-8	2500	0	1
	Bristol ...	12·2	-6	S'W	1	c	73	65	59	7	1	7	-	2-3	10	4000	c	*
	Portland Bill ...	11·6	-10	E	2	c	62	92	59	8	5	-	-	10	10	2500	1	2
	Plymouth ...	11·4	-14	WSW	2	Zo	61	92	59	6	8	8	6	2-3	9	2500	0	2
	The Lizard ...	11·4	-8	-	0	c	63	85	59	7	8	2	-	7-8	9+	2500	0	2
	Scilly (St. Mary's)	12·0	-8	S'W	2	cjp	63	85	58	7	8	8	-	7-8	10	1200	0	2
	Guernsey ...																	
6	Pembroke ...	11·5	-8	NW	2	Zo	65	75	56	7	5	3	-	2-3	2-3	3000	0	1
7	Holyhead (Valley)	11·9	-6	-	0	c	66	65	55	7	-	8	-	0	9+	-	0	1
	Chester (Sealand)	11·5	-10	NW'N	3	c	64	75	57	7	-	7	-	0	10	-	0	*
8	Manchester ...	11·3	-10	SSE	2	c	72	55	55	7	-	3	7	0	10	-	0	*
10	Spurn Head ...	12·9	-10	E'S	2	c	61	85		7	-	2	1	4-6	4-6	5700	0	2
	Catterick ...	11·9	-12	SSE	2	c	72	45	48	8	1	7	5	Tr	10	4000	0	*
	Tynemouth ...	12·9	-4	SSE	4	c	59	85	55	7	5	-	-	9+	9+	2500	1	2
11	St. Abbs Head	11·6	-12	SE	2	Zo	58	85	54	6	5	-	-	10	10	2500	0	2
	Leuchars ...	11·4	-10	ENE	2	c	64	85	59	8	5	7	-	4-6	10	2500	0	*
12	Renfrew (Abbotsl.)	10·9	-4	WSW	4	c	67	55	52	7	1	7	2	Tr	9	4000	0	*
	Eskdalemuir ...	10·9	-10	SSW	1	c	68	75	59	7	5	1	-	2-3	9+	2300	0	*
	Point of Ayre ...	11·5	-18	NNW	1	c	63	85	57	8	-	9	-	0	9+	-	0	1
13A	Tiree	10·3	-8	S'W	1	c	61	85	53	8	5	-	-	7-8	9	2800	0	2
13B	Stornoway ...	12·1	-6	NE	3	rr	56	97	56	6	5	-	-	10	10	900	1	1
15	Dalwhinnie ...	11·6	-10	SW	2	c	67	55	50	8	2	3	7	2-3	9+	2500	0	-
	Aberdeen ...	13·4	-14	SE'S	1	Zo	59	85	55	6	8	9	-	1	4-6	2500	0	1
	Wick ...	13·7	-10	NE	2	f	54	97	54	3	-	-	-	10	10	4150	1	*
16	Sumburgh ...	15·6	-6	NE'E	4	c	53	85	48	8	5	9	1	4-6	9+	5000	0	2
17	Blacksod Point	10·2	-10	SSW	1	c	61	92	59	7	5	-	-	9+	9+	1500	1	2
18	Malin Head ...	10·7	-8	NW'N	1	c	59	97	58	7	8	2	-	4-6	10	1500	1	1
	Aldergrove ...	10·7	-14	S	2	c	66	75	57	8	8	7	-	7-8	9+	2500	0	*
19	Birr Castle ...	10·3	-14	S	1	c	63	92	61	7	6	2	-	7-8	10	1500	1	*
20	Valentia Obsy.	10·2	-12	SSW	3	pr	63	85		8	8	3	-	9	9+	2500	1	2
	Roches Point	10·7	-14	SSW	2	c	63	92	61	8	5	-	5	4-6	7-8	2500	1	2

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 1st (39)	Weather. 13h.—18h. 1st (40)	Weather. 18h. 1st to 1h. 2nd (41)	Weather. 1h.—7h. 2nd (42)
1	London (Kew)	bbezoy	czocy	cyc	cctrore
	Croydon ...	bbccy	cyc	cmobcmo	cttrrmo
	S. Farnborough	omofbyc	cy	cybc	bcwRrrmo
	Boscombe Down	bccy	cyc	bcmo	cirmocmo
	Thorney Island	bbc	bcc	cbcmo	bcmottRR
	Lympne ...	bmobyv	bbeybc	bcmo	bcttr
	Manston ...	bmobzoy	bybcybc	bcmo	mororo
2	Shoeburyness ...	bmobzo	bzobc	bc	bcfpre
	Felixstowe ...	bmo	bcmocmo	cbccmcmjcmbcmcm	
	Gorleston ...	b	bbez.	bcmow	bcffe
	Mildenhall ...	bbccy	cyc	cbcmo	bcmcmow
	Cranwell ...	bby	cyc	cbirmobmo	bmow
3	Birmingham ...	bc	bcc	c	cir.
	Upper Heyford	bcmobc	bcycy	cybc	cjfir
4	Ross-on-Wye	bczoc	cy	c	crc
5	Hartland Point	c	c	croro	croc
	Bristol ...	beycy	cyc	cbc, cpro	cirrrc
	Portland Bill ...	c	cpr	c	thlr
	Plymouth ...	bcc	cprcmo	ftlrm	clrrormo
	The Lizard ...	cpbbc	bctlc	prtlc	clbcw
	Scilly (St. Mary's)	cbc	bccpo	Pirc	cwbc
	Guernsey ...				
6	Pembroke ...	cmo	bczo	cpr	irs cmo
7	Holyhead (Valley)	bfgbc	bcc	rcc	errmo
	Chester (Sealand)	cmobzoy	czo	ccz.cmo	cidomro
8	Manchester ...	bcmoy	czoy	prbczo	cmow
10	Spurn Head ...	bc	c	c	bczo
	Catterick ...	oFbcm	bczocy	cmo	cmowfmo
	Tynemouth ...	cmo	cmoc	c	cm
11	St. Abbs Head	cbccmo	cmo	cmopro	comoc
	Leuchars ...	cwcbc	bc	cmobcmo	cmocm
12	Renfrew (Abbotsl.)	bmobcy	czorocy	cmobcmo	bcmocm
	Eskdalemuir ...	bczo	bzoc	ccmo	cmo.
	Point of Ayre ...	bbc	bcc	cprc	cprc
13A	Tiree	c	c	clR	cir.
13B	Stornoway ...	omddc	ccddrr	orrc	c
15	Dalwhinnie ...	cy	cy		czo
	Aberdeen ...	bcpro	bczo	bczo	commw
	Wick ...	cmo	oFdof	oF	oFdof
16	Sumburgh ...	crroc	c	crrirc	cirorore
17	Blacksod Point	r	c	bc	c
18	Malin Head ...	r	r	r	f
	Aldergrove ...	cczocpro	ccprcc	c	ccfgcpro
19	Birr Castle ...	r	r		r
20	Valentia Obsy.	r	pr	pr	r
	Roches Point	r	c	pr	c

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

Districts	
1	S.E. England
2	E. England ...
3	E. Midlands ...
4	W. Midlands

Light variable winds; thundery rains and some thunderstorms; some fairer periods; fog patches night and morning; much cooler than of late.

5	S.W. England
6	South Wales
7	North Wales

Light variable winds, freshening from a westerly point; occasional thundery rain or showers; fair periods especially later; average temperature.

8	N.W. England
9	N. Midlands ...
10	N.E. England
11	S.E. Scotland
12	S.W. Scotland & Isle of Man
13A	W. Scotland ...

Light variable to easterly winds backing Northeast; mainly cloudy to overeast; thundery rains, local thunderstorms; local coast fog especially on East coast; temperature rather below average.

13B	N.W. Scotland
14	Mid Scotland
15	N.E. Scotland

Moderate Northeast winds; cloudy or dull; occasional rain; some coast fog; cool.

16	Orkneys and Shetlands

As 13B - 15

17	N.W. Ireland
18	N.E. Ireland
19	S.E. Ireland
20	S.W. Ireland

Wind variable light, becoming moderate or fresh Northwest to North; cloudy; occasional rain with chance of local thunderstorms; fairer periods later; rather cool.

GENERAL INFERENCE

A shallow depression covering the British Isles will drift slowly Eastwards, and will cause thundery rains and some thunderstorms in most areas. Temperatures will be much lower than of late.

FURTHER OUTLOOK

Generally unsettled but some bright periods.

Forecasts issued at 10·30

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

7h. Sunday 2nd August 1942.

HIGH

Low

Low

1020

1018

1016

1014

1012

1010

1008

1008

10°

5°W.

0°

5°E.

60°

55°

50°

Mb

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F.

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in mbs.

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud

Scale 1 : 5,000,000.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Sunday 2nd August.

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Sunday 2nd August 1942

No. 29473

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F (6)	Humid. % (7)	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	10·9	-6	SW'S	1	bc	56	97	55	6	1	3	-	Tr	4-6	6000
	S. Farnborough	226	09·9	-10	-	0	bc	60	85	56	6	-	7	-	0	2-3	-
	Boscombe Down	417	11·0	-2	S'E	1	Zo	57	92	54	6	-	8	-	0	4-6	-
	Thorney Island	10	10·3	-6	ENE	1	Zo	56	92	54	6	-	3	2	0	7-8	-
	Lympne	283	11·9	-10	-	0	Zo	61	75	54	6	-	7	2	0	7-8	-
	Manston	154	10·4	-10	-	0	m	56	97	55	4	-	4	3	0	7-8	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	10·9	-14	-	0	m	59	92	58	4	-	3	2	0	9	-
	Gorleston	5	11·8	-12	-	0	bc	59	92	56	6	-	7	-	0	4-6	-
	Mildenhall	15	10·0	-10	SE'E	1	Zo	57	85	53	5	-	3	1	0	4-6	-
	Cranwell	203	10·1	-6	ESE	1	Zo	59	92	57	5	-	3	-	0	2-3	-
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	10·1	-6	-	0	Zo	61	85	57	6	-	3	-	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	09·7	-6	SW	2	c	66	97	59	6	5	2	-	7-8	10	1500
	Bristol	209	11·5	-2	-	0	pr	59	85	56	6	8	3	-	4-6	7-8	4000
	Portland Bill	32	11·2	-2	E	1	c	60	85	56	7	5	-	-	10	10	4000
	Plymouth	82	09·6	-14	SW	2	l	59	97	59	4	5	8	-	7-8	10	200
	The Lizard	240	10·3	-12	-	0	c	58	97	57	7	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	163	09·8	-14	SE'S	2	c	59	92	57	7	8	2	-	4-6	10	1200
	Guernsey	175															
6	Pembroke	142	09·4	-12	NNW	3	c	58	85	54	7	8	2	-	9	10	2500
7	Holyhead (Valley)	32	09·6	-14	NNE	1	Zo	60	85	56	6	-	7	-	0	10	-
	Chester (Sealand)	16	09·1	-14	-	0	c	59	97	57	6	-	7	-	0	9+	-
8	Manchester	235	09·7	-6	-	0	Zo	58	75	55	6	-	7	-	0	7-8	-
10	Spurn Head	29	09·7	-14	SSE	3	c	60	85	56	7	7	7	-	4-6	7-8	4000
	Catterick	175	10·8	-6	SW	1	Zo	56	97	54	6	-	5	-	0	4-6	-
	Tynemouth	108	11·6	-8	SW	2	c	58	92	55	6	5	3	-	4-6	7-8	2500
11	St. Abbs Head	280	10·1	-6	SE	3	o	55	85	51	6	5	-	-	10	10	2500
	Leuchars	36	10·1	-10	-	0	Zo	57	97	56	5	-	7	-	0	4-6	-
12	Renfrew (Abbots I.)	19	10·0	-6	W'N	1	Zo	55	92	53	6	-	7	-	0	7-8	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	09·8	-10	-	0	c	58	85	54	7	5	7	-	4-6	10	4000
13A	Tiree	22	09·7	-8	-	0	bc	54	97	54	7	5	-	-	4-6	4-6	4000
13B	Stornoway	80	11·1	-6	NNE	3	c	55	97	55	7	5	-	-	9+	9+	1000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	10·9	-8	-	0	m	55	97	55	4	5	-	-	10	10	200
	Wick	114	12·7	-6	NE	4	F	54	97	54	1	-	-	-	10	10	<150
16	Sumburgh	19	14·7	-6	NE	3	c	49	97	48	7	5	2	-	7-8	10	2000
17	Blacksod Point	18	09·3	-8	-	0	c	56	97	55	8	5	3	-	4-6	9	1500
18	Malin Head	84	08·9	-10	-	0	c	59	97	58	6	8	2	-	4-6	10	800
	Aldergrove	268	09·6	-10	-	0	c	57	92	55	8	5	7	-	7-8	9	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	09·3	-10	S	2	c	59	97	58	7	5	3	-	9	9+	1500
	Roches Point	22	09·1	-10	S	1	c	60	92	58	8	5	-	-	7-8	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. 2nd August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °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 1st Hrs. (38)
London (Kew)	08·1	+10	-	0	c/tlr	57	97	56	6	5	7	-	9	10	2500	1	*	79	54	43	-	2	7·4
Croydon	08·6	-10	SW	1	c/tlr	57	97	57	5	-	7	1	0	9+	-	1	*	80	51	50	-	2	6·7
S. Farnborough	07·7	-10	E	2	rr	56	97	56	5	5	2	-	7-8	10	1000	1	*	79	52	42	-	4	6·0
Boscombe Down	08·3	-16	S	2	c/r	57	92	57	5	5	3	-	7-8	9+	3000	1	*	75	55	45	-	3	7·7
Thorney Island	08·6	-6	E	3	tlr.	60	92	57	5	5	-	-	10	10	1500	1	*	73	53	50	-	5	*
Lympne	10·0	-4	WNW	1	tlr	57	97	57	6	3	6	3	9	9+	4000	1	§1	74	52	*	-	2	13·3
Manston	08·8	-2	WNW	1	ror.	57	97	56	4	-	2	-	0	10	-	1	*	74	54	45	-	0·1	12·9
Shoeburyness	09·9	+8	SW	2	iro	58	97	57	4	5	2	-	1	10	1500	0	*	71	52	44	-	Tr	9·7
Felixstowe	09·4	+2	-	0	m	60	92	60	4	5	-	-	10	10	5700	0		69	60	49	-	-	11·0
Gorleston	09·1	-12	NNW	1	bcf-	52	97	51	2	-	7	-	0	4-6	-	1	2	69	52	51	-	-	11·7
Mildenhall	08·3	-6	-	0	Zo	60	85	56	5	-	7	2	0	9+	-	0	*	79	53	46	-	Tr	7·2
Cranwell	08·1	-6	SE'S	1	Zo	58	85	54	6	-	3	-	0	9	-	0	*	*	53	47	-	Tr	11·5
Birmingham	07·6	-10	W	3	iro	60	85	56	8	6	7	-	Tr	10	4000	1	*	75	59	50	-	1	8·8
Upper Heyford	06·8	-22	-	0	roro	60	92	58	6	5	7	-	4-6	10	3500	1	*	76	58	51	-	0·4	*
Ross-on-Wye	07·2	-14	WSW	1	Zo	59	97	58	5	-	7	3	0	9+	-	1	*	76	58	54	-	2	7·7
Hartland Point	07·6	-4	WNW	1	c	59	92	57	7	5	6	-	7-8	9	1500	1	2	67	58	56	-	1	6·8
Bristol	08·0	-6	-	0	Zo	60	92	58	6	-	7	-	0	9+	-	1	*	76	57	49	-	5	7·5
Portland Bill	08·6	-10	SE	2	rr	59	92	57	7	5	-	-	10	10	2500	1	2	63	58	*	Tr	8	*
Plymouth	07·9	-6	-	0	Zo	59	97	59	6	5	-	-	10	10	1500	1	2	69	57	55	Tr	3	5·5
The Lizard	08·2	-6	-	0	bc	57	97	57	7	2	4	-	2-3	4-6	2500	1	2	67	55	*	0·2	1	8·2
Scilly (St. Mary's)	08·2	-4	W'N	3	bcjp	59	97	57	8	8	4	-	4-6	4-6	1200	1	2	70	56	*	Tr	3	6·7
Guernsey																							
Pembroke	07·8	-8	N'E	3	Zo	57	92	55	7	5	6	-	4-6	9+	2500	1	2	69	65	*	-	3	5·9
Holyhead (Valley)	08·0	-6	NW	1	roro	59	97	57	5	5	7	-	7-8	10	3000	1	1	71	57	55	-	2	*
Chester (Sealand)	07·6	-6	WNW	1	m/r	58	92	56	4	5	7	-	2-3	10	3000	1	*	77	56	52	-	0·5	6·7
Manchester	07·2	-10	-	0	Zo	61	97	59	5	5	7	-	4-6	9+	4000	0	*	75	57	51	-	Tr	*
Spurn Head	08·8	-8	ENE	5	Zo	61	85	58	5	-	8	-	2-3	2-3	4000	0	2	61	58	*	-	-	11·6
Catterick	08·7	-14	W	1	Zo	57	92	55	5	-	3	-	0	4-6	-	0	*	76	52	50	-	-	7·9
Tynemouth	09·7	-10	SSE	1	m	57	97	56	4	5	-	-	7-8	7-8	2800	0	2	63	54	51	-	-	*
St. Abbs Head	08·9	-2	WNW	1	c	55	97	54	7	5	-	-	9+	9+	3500	0	2	70	54	*	-	Tr	*
Leuchars	09·3	-2	NE	1	m	56	97	56	4	5	-	-	10	10	100	0	*	74	55	51	-	-	6·7
Renfrew (Abbots I.)	08·8	-2	-	0	m	57	92	55	4	-	3	-	0	9+	-	0	*	76	53	49	-	-	5·6
Eskdalemuir	08·8	-2	-	0	Zo	56	92	53	6	5	-	-	10	10	3000	1	*	72	53	50	-	-	7·2
Point of Ayre	08·0	-8	NW	2	c	57	97	55	8	5	2	-	7-8	10	3000	1	0	70	56	*	-	0·5	9·2
Tiree	08·7	0	ENE	1	iro	57	92	55	7	5	-	-	9	9	3500	1	2	66	55	*	Tr	2	[illegible]
Stornoway	11·1	+6	NE	5	c	54	97	54	8	5	2	-	7-8	10	1200	1	2	62	54	*	4	0·2	0·5
Dalwhinnie	10·7	-2	-	0	o	55	92	52	5	5	-	-	10	10	800	1	*	72	49	43	-	-	2·9
Aberdeen †	10·1	-2	NNW	1	Zo	55	97	55	5	5	-	-	9+	9+	200	1	1	67	52	46	Tr	-	4·4
Wick	12·1	+2	NE	2	f	55	92	53	2	-	-	-	10	10	<150	1	*	56	52		Tr	1	*
Sumburgh	14·1	0	E'N	4	roro	51	97	51	7	5	2	-	9+	10	900	1	2	56	50	49	-	4	5·4
Blacksod Point	08·7	+2	N	1	c	58	97	57	7	5	-	-	9+	9+	1500	0	1	73	54	*	2	-	*
Malin Head	07·8	0	-	0	c	57	97	56	7	8	2	-	4-6	10	800	1	1	66	57		2	2	1·8
Aldergrove	08·5	0	-	0	id.	57	92	55	6	8	2	-	4-6	10	2500	0	*	70	58	49	Tr	Tr	5·1
Birr Castle	07·6	-2	S	1	jr	59	92	57	7	6	2	-	7-8	10	1500	1	*	65	58	57	11	0·5	0·2
Valentia Obsy.	08·1	0	SSW	1	iro	59	97	57	7	5	-	-	10	10	800	1	1	67	58	55	3	2	1·6
Roches Point	07·2	-6	-	0	c	58	97	57	7	5	-	-	9+	9+	800		2	65	57	*	4	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III	13h. $C_L C_M$	13h. $wwVhN_h$	13h. DDFWN	18h. $C_L C_M$	18h. $wwVhN_h$	18h. DDFWN	01h. $C_L C_M$	01h. $wwVhN_h$	01h. DDFWN	07h. $C_L C_M$	07h. $wwVhN_h$	07h. DDFWN
109	52	21736	07378	52	53627	06558	02	64418	04458	6-	59418	04468
115	-	67009	12369	--	67109	12369	--	67109	12469	--	67109	12369
203							5-	02738	08128			
206	5-	02838	08228	5-	02738	06228	5-	61518	00058	5-	52618	06168
210	89	22765	04267	83	02764	04326	57	05655	07168	5-	47308	03328
220				57	02853	14118						
230	17	02961	00066	09	02890	18127	5-	00631	00021	57	02731	00026
245	23	02862	08314	44	09651	07217	03	05621	06262	5-	05628	09757
260	13	05563	06114	57	02765	02227	53	08453	01117	5-	61464	26167
278	23	02762	12227	57	02963	12327	03	01790	14114	52	62654	30168
279	03	05590	23316	03	05690	18225	57	05675	00026	51	05565	06128
285	27	02745	10416									
288	20	01764	16214	46	02872	16226	03	05690	00015	03	43390	00046
575	72	61835	14128	57	22845	00068	57	22736	12168	62	64625	00068
301	13	05672	28304	07	05690	02117	03	05690	32127	03	05590	08267
321	18	01861	15305	18	01861	14315	53	05561	00064	07	05690	00064
299	57	01763	23314							00	05690	10100
292	18	05661	14214	48	02872	10116				00	05590	00060
310												
614	10	05664	12226	48	02762	14128	57	22564	00026	07	05590	04125

III	13h. $C_L C_M$	13h. $wwVhN_h$	13h. DDFWN	18h. $C_L C_M$	18h. $wwVhN_h$	18h. DDFWN	01h. $C_L C_M$	01h. $wwVhN_h$	01h. DDFWN	07h. $C_L C_M$	07h. $wwVhN_h$	07h. DDFWN
333	10	01861	12214	57	02765	28228	13	01671	18114	52	62654	30168
334	--	05665	14116									
340	04	01790	11315	51	02865	19128	53	22564	00067	52	61462	22268
136	74	01853	02203	49	02753	08316	08	05590	14216	08	05690	08104
336	52	02754	12316	53	01754	16315						
350	18	02763	10113	57	02772	00028	03	05590	12123	52	61662	20128
368	08	02790	08216	08	61790	08168	57	02664	00028	57	05563	30128
379		01763	14215	57	01764	16116	03	05690	00013	57	25854	18287
390	1-	02775	12315	00	02790	09227	53	05561	10115	57	64444	00068
882	13	05863	14115	57	02863	00027	03	05690	00014	57	64675	00068
438	20	01753	08314	87	02764	16216	03	01790	06114	62	93645	02238
430	16	01862	12214	50	02772	14127	57	05661	04113			
409	13	02761	14325	08	01790	01215	53	05623	00026	23	05651	18164

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

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	bbcZoy	cZocy	cydtlorc
Croydon	bbccy	cyc	cmoctlrromo
Greenwich	bmobcy	bccy	cbctlrorm
Camden Square	b	bc	*
Kensington	bcbz	c	*
Hampstead	b	bcorpl	or

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

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	79	54	43	-	2	7·4	*	*
Croydon	80	51	50	-	2		*	*
Greenwich	79	54	40	-	4	6·6	47	93
Westminster	79	57	53	·3			57	98
Regents Park								
Camden Square	81	57	48	-	4	*	*	94
Kensington	80	55	47	-	4		53	94
Hampstead	77	56	49	-	4		*	69

SECRET CANCELLED

BRITISH SECTION

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

Monday 3rd August 1942

No. 29474

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	08·0	0	WSW	2	c/pr	65	75	55	8	8	3	-	7-8	9	1500
	Croydon	08·0	-2	SW	2	c	68	92	65	6	8	2	-	7-8	10	3000
	S. Farnborough	09·0	+14	SW'W	3	c	65	85	59	7	7	7	-	7-8	9	2500
	Boscombe Down	08·6	+8	SSW	3	zo	64	75	55	7	5	3	-	7-8	10	2500
	Thorney Island	08·7	+8	SW	3	c	65	85	60	6	7	7	-	4-6	4-6	4000
	Lympne	09·0	-6	NW	1	pr	62	85	57	6	9	-	-	10	10	3500
	Manston	08·0	-4	NW'N	2	zo	63	85	58	6	5	7	-	9	10	1200
2	Shoeburyness	08·5	-6	-	0	roro	61	92	59	7	5	9	-	7-8	9+	5000
	Felixstowe	08·0	0	SW'W	1	iro	62	92	60	5	5	2	-	7-8	10	2500
	Gorleston	08·6	+6	SW'W	2	roro	62	85	59	6	5	7	-	10	10	1400
	Mildenhall	07·2	0	-	0	iro	64	92	61	6	5	7	-	2-3	9+	5700
	Cranwell	07·3	0	SSE	1	roro	61	92	59	5	6	2	-	4-6	10	1500
3	Birmingham	06·9	-2	S	1	c	65	75	55	8	5	7	-	2-3	10	4000
	Upper Heyford	07·2	+2	SSW	2	ir	63	85	57	7	5	2	-	7-8	9+	1800
4	Ross-on-Wye	07·0	0	SW	2	zo	65	85	58	6	8	7	-	2-3	9+	2500
5	Hartland Point	07·6	-4	WSW	3	c	62	85	57	8	2	8	3	2-3	7-8	2000
	Bristol	07·8	-4	SSW	2	c	66	75	57	8	2	7	-	7-8	9+	1900
	Portland Bill	09·0	+4	S	2	c	60	92	58	7	5	-	-	10	10	2500
	Plymouth	08·7	+2	SSW	2	bct	66	85	61	7	8	-	-	4-6	4-6	1600
	The Lizard	09·2	+6	WSW	3	bc	65	85	63	8	2	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	09·3	+4	W	2	c	67	75	59	8	8	6	3	7-8	9	1200
	Guernsey															
6	Pembroke	07·8	-2	SE'S	1	zo	63	85	59	7	5	1	-	9+	10	4000
7	Holyhead (Valley)	07·2	-4	-	0	rr	59	97	58	5	6	-	-	10	10	1000
	Chester (Sealand)	07·3	-2	NW	2	c	62	85	60	6	5	2	-	4-6	10	2000
8	Manchester	07·1	-2	-	0	+f	60	97	60	2	-	2	-	10	10	2500
10	Spurn Head	07·8	-4	ESE	2	m	59	92	57	4	7	-	-	10	10	3400
	Catterick	07·2	-6	-	0	c/r	68	75	60	4	-	7	-	0	10	-
	Tynemouth	09·4	-2	E	3	c	61	92	58	6	5	-	-	7-8	7-8	2600
11	St. Abbs Head	08·9	+2	NNW	1	F	59	85	55	1	-	-	-	10	10	<150
	Leuchars	09·5	+4	NE	2	m/F	57	97	56	4	5	-	-	10	10	100
12	Renfrew (Abbots I.)	08·2	-2	E'S	2	zo	67	65	56	6	5	2	-	4-6	10	7000
	Eskdalemuir	06·6	-6	ENE	3	zo	69	75	60	6	7	7	2	7-8	10	3500
	Point of Ayre	07·2	-4	NW	3	rr	58	92	56	7	6	2	-	4-6	10	1500
	Tiree	08·9	0	N	2	bc	62	85	59	8	5	3	6	2-3	4-6	3500
13B	Stornoway	12·4	+6	NE	6	c	55	92	53	8	5	1	-	7-8	10	2000
15	Dalwhinnie	09·8	-2	NE	4	ct	59	85	55	7	5	-	-	9+	9+	1500
	Aberdeen	10·8	+2	ENE	3	c	61	85	57	7	5	3	-	7-8	9	800
	Wick	13·2	+8	NNE	3	ido	53	97	53	6	6	-	-	10	10	5200
16	Sumburgh	14·9	+4	NE'N	4	c	55	85	51	8	7	3	-	7-8	9+	2000
17	Blacksod Point	09·0	+2	NNW	3	c	57	75	49	7	5	-	-	9+	9+	2500
18	Malin Head	08·4	+2	N	1	r	58	97	57	7	8	2	-	4-6	10	1500
	Aldergrove	08·2	0	-	0	rr	57	97	56	4	5	2	-	7-8	10	2000
19	Birr Castle	07·2	-2	SSW	1	rr	61	97	59	7	6	2	-	7-8	10	1500
20	Valentia Obsy.	08·1	-2	W'N	4	c/pr	63	85	58	9	8	-	-	9	9	1500
	Roches Point	07·1	-2	SW	3	bct	65	85	60	8	3	-	3	4-6	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	07·0	-6	SW	3	bc	67	75	57	7	8	-	-	4-6	4-6	2500	1	*
Croydon	07·8	-2	SSW	3	b	66	75	57	8	1	-	-	1	1	3000	1	*
S. Farnborough	07·3	-2	ESE	4	bc	66	75	56	8	1	4	1	Tr	Tr	2500	0	*
Boscombe Down	08·0	+2	SW	3	c	65	65	54	8	*	6	3	7-8	9	3000	1	*
Thorney Island	08·4	-2	SW'W	3	c	64	85	59	8	2	-	-	7-8	7-8	2500	1	*
Lympne	09·2	0	WSW	2	bc	63	85	57	8	5	6	-	2-3	7-8	2500	1	2
Manston	07·5	-2	WS	1	bc	65	75	57	7	8	7	-	Tr	7-8	3100	1	*
Shoeburyness	08·2	-10	SW'W	1	c	67	75	58	8	2	3	-	4-6	7-8	3500	1	*
Felixstowe	07·0	-6	S'E	2	zo	64	85	60	6	5	7	-	4-6	4-6	4000	1	1
Gorleston	07·6	-2	SW'S	1	zo	64	85	61	6	5	7	-	4-6	9+	2200	0	2
Mildenhall	06·2	-8	S	2	ct	64	85	60	8	8	7	-	4-6	9+	4000	1	*
Cranwell	06·6	0	NNW	1	tlro	57	92	55	5	9	-	-	9+	9+	2500	1	*
Birmingham	05·9	-4	W	2	bc	64	75	56	8	8	3	-	2-3	4-6	2500	1	*
Upper Heyford	06·4	+4	WSW	2	pr	63	85	62	7	8	2	-	2-3	9+	2500	1	*
Ross-on-Wye	06·8	-4	NW'N	2	ct	58	92	56	8	3	-	3	9	9+	3000	1	*
Hartland Point	07·4	-4	W	3	bc	64	85	58	8	3	6	-	4-6	4-6	2000	0	3
Bristol	08·0	0	SW'S	3	c	62	85	58	7	2	7	-	Tr	9+	2500	1	*
Portland Bill	08·0	-4	SW	3	bc	60	92	58	8	2	-	-	4-6	4-6	4000	1	2
Plymouth	08·5	-2	WSW	2	c	62	85	57	8	8	6	-	4-6	7-8	2000	0	2
The Lizard	08·7	-6	W	3	bc	64	85	59	8	8	6	-	2-3	4-6	2500	0	3
Scilly (St. Mary's)	09·2	+2	WSW	3	c/pr	63	85	58	8	8	6	3	4-6	7-8	800	0	2
Guernsey																	
Pembroke	07·1	-4	W	4	bc	61	85	58	8	8	6	3	2-3	2-3	3500	0	2
Holyhead (Valley)	07·1	-2	N	2	zo	58	92	56	6	5	2	-	7-8	10	1600	1	1
Chester (Sealand)	06·4	-4	NW	2	roro	59	97	58	5	-	2	-	10	10	2000	1	*
Manchester	06·4	-2	NE'N	2	+tlr	60	97	60	3	5	2	-	7-8	10	2500	1	*
Spurn Head	07·0	-4	NE'N	2	zo	61	85	58	5	5	-	-	10	10	4000	0	1
Catterick	07·5	+6	NNW	1	PR	59	92	57	5	5	7	-	7-8	10	2500	1	*
Tynemouth	08·8	+4	NNE	3	Ft	57	97	57	1	-	-	-	10	10	<150	1	2
St. Abbs Head	09·3	+2	NNE	1	F	54	97	53	0	-	-	-	10	10	<150	0	1
Leuchars	10·0	+4	NE	2	cjf	55	97	54	6	5	3	-	7-8	9+	200	0	*
Renfrew (Abbots I.)	08·4	+2	ENE	3	zo	63	75	56	6	5	1	-	7-8	10	2500	0	*
Eskdalemuir	07·0	+6	NE	4	zo	61	86	57	6	7	7	-	4-6	10	3500	1	*
Point of Ayre	07·2	0	NW'N	1	rr	58	97	57	6	6	2	-	2-3	10	1000	1	1
Tiree	09·0	0	NNE	3	bc	61	85	58	8	5	7	-	2-3	4-6	3500	0	3
Stornoway	14·2	+8	NE	6	c	53	97	52	8	5	7	-	7-8	10	2000	1	3
Dalwhinnie	10·0	+6	NE	3	o	54	92		5	5	-	-	10	10	1500	0	*
Aberdeen	11·7	+8	ENE	4	zo	57	97	55	6	5	-	-	10	10	400	0	2
Wick	14·4	+6	NE'E	4	c	53	92	51	8	5	7	-	4-6	10	600	1	*
Sumburgh	15·7	+2	NE'N	3	iro	53	85	48	8	5	-	-	10	10	1800	0	2
Blacksod Point	09·5	+2	NNW	3	rr	59	97	58	7	-	2	-	10	10	800	1	3
Malin Head	08·7	0	-	0	iro	57	97	56	6	-	2	-	10	10	450	1	1
Aldergrove	07·8	-2	NNW	1	roro	59	97	58	5	5	2	-	7-8	10	800	1	*
Birr Castle	06·7	-4	SSW	1	rr	60	97	59	7	6	2	-	7-8	10	1500	1	*
Valentia Obsy.	09·0	+4	W'W	4	c	63	85	59	8	8	-	3	9	9	2500	1	3
Roches Point	07·1	-2	N	1	iro	61	92	59	8	6	7	-	4-6	9+	1500	1	2

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 2nd (39)	13h.—18h. 2nd (40)	18h. 2nd to 1h. 3rd (41)	1h.—7h. 3rd (42)
London (Kew)	crroprc	cbc	bcw	bccmow
Croydon	cromoc	ciroccb	bmow	bmowcmo
S. Farnborough	crrmoiromo	crorobcb	bbczororobm	bmo omwc
Boscombe Down	cromocino	cbcc	bcbmo	bbfe
Thorney Island	tlRrobc	bcc	bccbcmo	cmz
Lympne	tlrrov	cmoprbcm	bmocmo	cocmo
Manston	cRRbcmo	cmoprobc	bbmo	mb
Shoeburyness	RRTLC	rorobcc	bbc	bcc
Felixstowe	irororoiro	irororoiro	bccbmo	bmocm
Gorleston	czoro	eprmocmo	cmobc	bmwoffe
Mildenhall	crrmo	ciromoctmo	ctbcbmo	bmobmom
Cranwell	crrmo	cmotlr	cmotlrcmo	bmof
Birmingham	c	cprobc	cpr	coro
Upper Heyford	cvororomo	cirproc	cprobmo	bcmopF
Ross-on-Wye	czcpc	tlRtlR	Rtlrc	cmFcf
Hartland Point	cbc	cbc	cprbc	bccp
Bristol	cmoc	cpRproc	cbc	bccprobc
Portland Bill	cc	cbc	c	c
Plymouth	cbcmobct	bc	bc	crorocmo
The Lizard	bccbc	bc	bcw	cw
Scilly (St. Mary's)	bccbpc	cp	cprc	bccbc
Guernsey				
Pembroke	cmo	bc	bcprcmo	cmo
Holyhead (Valley)	crrm	crrmoc	crodom	prrdodom
Chester (Sealand)	cmorrrm	cdrtlromo	rvmoo	cRrrmo
Manchester	crrF	tlrFF	cmroro	rrroro
Spurn Head	omidoido	om	omo	f
Catterick	cmirocz	czocprmo	oirof	croromm
Tynemouth	cbcmc	cmFF	offirm	oir
St. Abbs Head	RF	FF	ffomo	omoidc
Leuchars	omfirof	ofmjfmo	fdomo	omoc
Renfrew (Abbots I.)	cmozo	cmo	cirororo	roroc
Eskdalemuir	cmo	cmo	c	cproc
Point of Ayre	crr	rorov	rrco	prcroro
Tiree	bc	bc	bccir	c
Stornoway	c	c	c	c
Dalwhinnie	oct	cz.o		oiro
Aberdeen	omoc	bcomo	omoido	ocido
Wick	omo	cmoc	cproc	c
Sumburgh	crororo	ciro	crobcc	c
Blacksod Point	c	↑	c	c
Malin Head	↑	↑	r	r
Aldergrove	ivdrrm	irorom	cororoc	crorrmc
Birr Castle		r		c
Valentia Obsy.	pr	c	pr	pr
Roches Point	bc	tlr	r	c

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

Districts	Forecast
1 S.E. England	Light variable wind, becoming northerly later and freshening; cloudy with possible local thunder at first; dull with some rain or drizzle later, close today, cool tomorrow.
2 E. England; 3 E. Midlands	Wind becoming northerly, moderate to fresh; dull, some rain or drizzle at first; bright periods tomorrow but local thundery showers; becoming cool.
4 W. Midlands; 5 S.W. England; 6 South Wales	Wind Northwest veering North, moderate to fresh locally, some bright periods; thundery showers; average temperature today then cooler.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Fresh Northeast to North winds, strong locally on coast at first; cloudy, some rain or showers at first; bright periods, local showers later; 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 to moderate Northeast to North winds, decreasing; considerable fair periods especially in the West; local showers chiefly in the North and East; cool or rather cold.
16 Orkneys and Shetlands	As 11-15.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Moderate northerly winds; cloudy and brighter periods; a few local showers; rather cool.

GENERAL INFERENCE

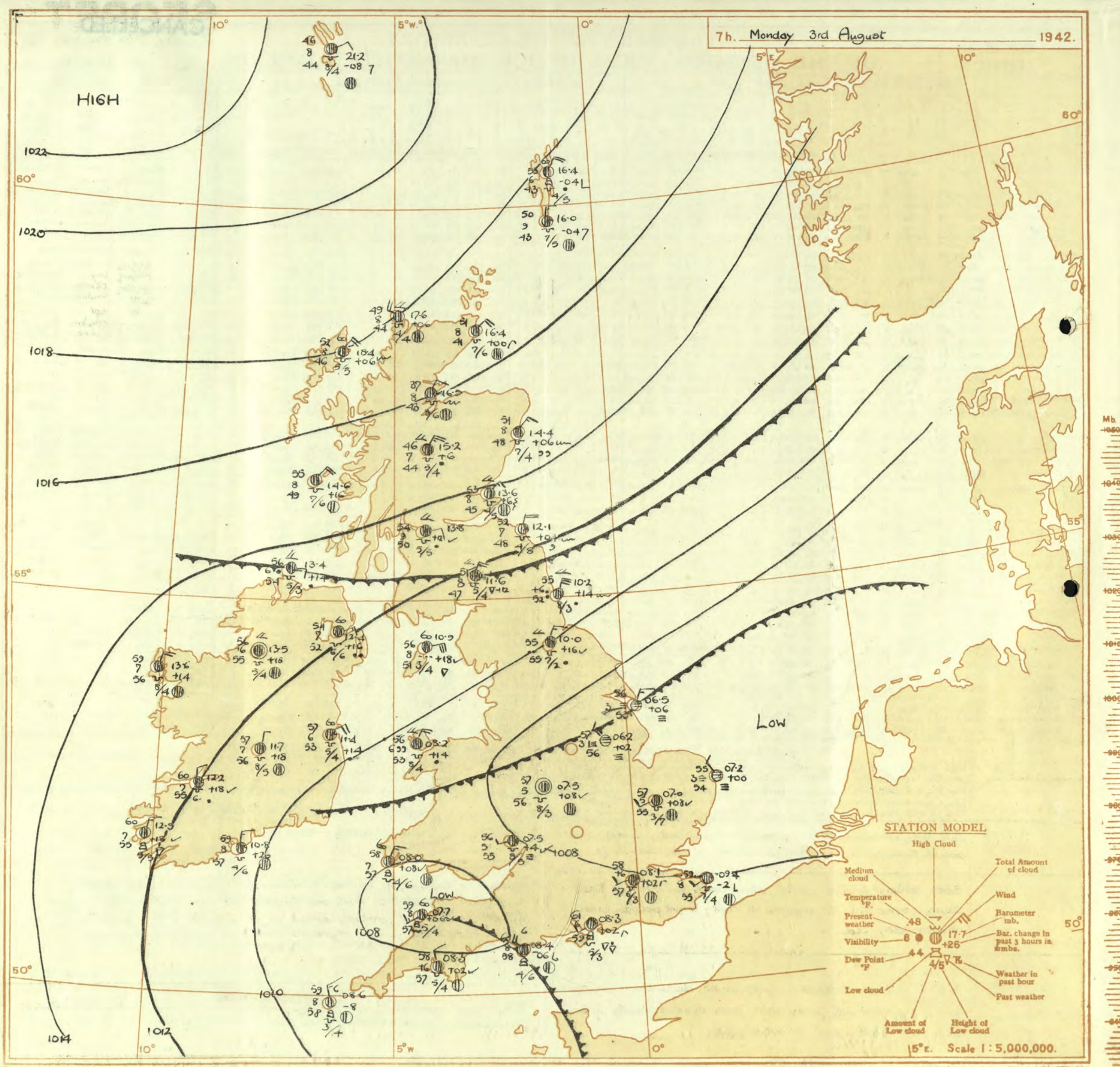
Pressure is low over the Southern North Sea and England, and a shallow depression centred over Southwest England will move East southeast. Cool northerly winds, will gradually extend to all districts, after a period of rain and drizzle today in the Midlands, East and Southeast England.

FURTHER OUTLOOK

Rather cool generally with local thundery showers in the East and Southeast; considerable bright periods in the West.

Forecasts issued at 10.30.

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



7h. Monday 3rd August 1942.
HIGH
LOW
Low
1022
1020
1018
1016
1014
1012
1010
1008
60°
55°
50°
10°
5°w.
0°
5°E
STATION MODEL
High Cloud
Medium cloud
Total Amount of cloud
Temperature °F.
Wind
Present weather
Barometer mb.
Visibility
Bar. change in past 3 hours in mbs.
Dew Point °F
Weather in past hour
Low cloud
Past weather
Amount of Low cloud
Height of Low cloud
Scale 1:5,000,000.
Mb

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.

Morning of

Monday 3rd August

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Monday 3rd August 1942

No. 29474

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	58	*	*	*	*	*	*	*	*	*
	Croydon	290	08·0	-2	S'W	3	z.	56	97	56	6	-	-	-	0	0	-
	S. Farnborough	226	07·8	0	SW'S	2	z.	55	97	55	5	5	-	-	Tr	Tr	2500
	Boscombe Down	417	08·2	-4	S'W	2	z.	54	97	53	6	-	6	-	0	2-3	-
	Thorney Island	10	08·3	-4	WSW	3	z.	60	92	58	6	5	-	-	7-8	7-8	1500
	Lympne	283	09·6	-2	SSW	2	z.	57	97	56	6	5	-	-	10	10	2500
	Manston	154	08·2	-2	SW	2	m	55	92	54	4	-	4	-	0	Tr	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	07·2	0	SW	2	z.	59	92	57	6	-	-	-	0	0	-
	Gorleston	5	07·6	0	W'S	1	z.	58	85	54	6	-	-	-	0	0	-
	Mildenhall	15	06·5	+2	SW'W	2	z.	55	92	53	5	-	-	-	0	0	-
	Cranwell	203	06·5	0	-	0	z.	57	97	56	6	5	-	-	7-8	7-8	2500
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	06·9	0	SW	2	z.	55	97	54	5	-	3	-	0	4-6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	07·3	-2	W	3	bc/pr	59	97	58	8	3	-	-	4-6	4-6	2500
	Bristol	209	08·1	-4	SSW	2	bc	57	97	55	7	3	6	-	2-3	4-6	2500
	Portland Bill	32	08·1	-4	SW	2	c	59	92	57	8	5	-	-	10	10	4000
	Plymouth	82	08·4	-6	SW	1	bc	57	92	56	7	5	-	-	4-6	4-6	3500
	The Lizard	240	08·6	-4	WNW	2	bc	57	97	57	8	8	-	-	2-3	2-3	2000
	Scilly (St. Mary's)	163	09·0	0	NW'N	2	c/pr	58	97	57	8	8	-	-	9+	9+	800
	Guernsey	175															
6	Pembroke	142	07·5	0	SW'W	2	z.	58	97	57	7	6	7	-	4-6	7-8	3500
7	Holyhead (Valley)	32	07·0	0	-	0	d.d.	57	97	56	4	-	2	-	10	10	100
	Chester (Sealand)	16	06·6	0	NW'N	1	rr	58	97	57	5	6	2	-	7-8	10	600
8	Manchester	235	07·1	+4	NE	3	r.r.	56	97	56	4	5	2	-	9	10	2500
10	Spurn Head	29	06·6	-2	N'W	3	z.	58	92	56	6	5	-	-	10	10	2500
	Catterick	175	08·4	+6	N	4	rf	56	97	55	2	-	2	-	10	10	400
	Tynemouth	108	08·8	+4	N	6	ir	55	97	54	4	-	2	-	10	10	2500
11	St. Abbs Head	280	10·7	+2	N	3	z.	53	97	52	5	5	-	-	10	10	1500
	Leuchars	36	12·1	+10	ENE	4	z.	54	85	50	5	5	-	-	10	10	900
12	Renfrew (Abbots I.)	19	11·5	+10	ENE	4	r.r.	58	85	52	6	5	-	-	10	10	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	08·5	+6	ENE	5	o	58	85	54	7	-	2	-	10	10	2000
13A	Tiree	22															
13B	Stornoway	80	16·7	+12	ENE	5	c	53	85	47	7	5	7	-	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	13·7	+6	N'E	3	id.	51	92	49	6	6	2	-	9	10	1200
	Wick	114	16·2	+6	NNE	4	c	51	92	49	8	5	-	-	9	9	2000
16	Sumburgh	19	16·1	-2	NNE	3	c	50	97	50	8	5	3	-	4-6	10	3000
17	Blacksod Point	18	11·9	+10	N	4	c	58	92	56	8	5	-	-	10	10	2500
18	Malin Head	84	10·8	+12	E'S	1	c	58	85	54	7	8	2	-	4-6	9+	1500
	Aldergrove	268	09·8	+10	ENE	1	z.	56	92	54	6	5	2	-	4-6	10	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·8	+6	N'W	5	pr	59	92	57	7	-	7	-	9	10	1500
	Roches Point	22	08·2	+2	NNW	3	c/r	58	97	57	8	6	2	-	4-6	9+	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	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)	07·7	+2	SW	1	z.	58	92	56	6	5	-	-	10	10	2500	1	*	68	56	49	3	Tr	4·3
Croydon	08·1	+2	SW	2	c	58	97	57	6	5	-	-	9	9	900	0	*	70	54	51	3	0·1	3·6
S. Farnborough	07·7	+2	SW'S	1	z.	57	97	56	6	5	-	-	10	10	600	1	*	68	54	44	9	0·6	3·7
Boscombe Down	08·3	+2	-	0	f.	55	97	55	2	-	-	-	10	10	<150	0	*	69	48	43	1	Tr	2·9
Thorney Island	08·3	+2	SW	1	c/pr	61	92	58	6	8	3	1	7-8	9	600	1	*	67	57	55	5	0·1	*
Lympne	09·4	-2	WSW	2	c	59	85	55	8	5	-	-	9+	9+	1500	1	§3	69	55	*	5	0·3	1·4
Manston	07·8	-4	SW	2	b	59	97	58	7	2	4	1	Tr	1	2500	1	*	67	54	52	7	Tr	0·7
Shoeburyness	08·5	0	WSW	2	c	61	85	57	6	5	-	-	7-8	7-8	2000	1	*	69	57	50	17	-	2·6
Felixstowe	07·3	+2	SW'W	4	m	57	92	55	4	5	-	-	10	10	450	1	3	67	55	53	7	Tr	2·9
Gorleston	07·2	0	NW'W	2	f+	55	97	54	3	-	-	-	10	10	<150	1	2	66	54	52	2	-	0·7
Mildenhall	07·0	+8	SW'W	2	z.	57	97	55	5	5	-	-	9+	10	800	1	*	67	54	47	4	0·5	1·3
Cranwell	06·7	+2	WNW	2	f+	57	97	57	3	-	-	-	10	10	<150	1	*	62	55	48	16	3	0·8
Birmingham	07·5	+4	ENE	2	ir.	57	92	55	5	5	-	-	10	10	450	1	*	66	55	52	0·3	1	[illegible]
Upper Heyford	06·8	+6	WSW	1	f.	55	97	54	3	-	-	-	10	10	<150	1	*	68	56	47	3	2	[illegible]
Ross-on-Wye	07·5	+4	W'S	1	c/f	56	97	55	5	5	-	-	10	10	2500	1	*	65	53	50	9	5	0·6
Hartland Point	07·7	+6	SW	3	c/pr	59	97	57	8	8	4	-	7-8	9	1500	1	3	65	57	55	-	4	8·5
Bristol	08·6	+6	-	0	z.	58	97	58	6	9	3	-	2-3	4-6	1500	1	*	68	54	47	8	Tr	1·6
Portland Bill	08·4	-6	W	2	c	60	92	58	8	2	4	-	4-6	7-8	4000	1	2	62	57	*	0·4	-	*
Plymouth	08·3	+2	NW	1	z.	58	97	57	6	5	-	-	7-8	7-8	1000	0	2	69	55	47	-	Tr	7·5
The Lizard	08·2	0	-	0	c	58	92	56	8	8	6	-	7-8	7-8	1400	1	3	67	55	*	-	-	12·8
Scilly (St. Mary's)	08·6	+4	NW	3	bc	59	97	58	8	8	4	9	2-3	4-6	1200	1	2	67	50	*	Tr	2	9·6
Guernsey																							
Pembroke	08·0	+8	N'E	3	z.	58	97	57	7	8	7	-	4-6	9	3500	1	1	64	52	*	Tr	1	6·3
Holyhead (Valley)	08·8	+14	NNE	4	d.d.	55	92	53	6	5	2	-	10	10	2000	1	2	59	55	54	4	4	*
Chester (Sealand)	08·0	+12	N'E	1	c/r	57	97	57	6	5	2	-	7-8	10	1200	1	*	63	57	56	5	12	0·0
Manchester	08·2	+10	NNE	3	r.r.	56	97	56	5	5	2	-	7-8	10	2000	1	*	61	55	55	5	21	*
Spurn Head	06·7	+6	NNE	3	f	56	92	54	3	-	-	-	10	10	<150	1	2	64	56	*	Tr	0·2	2·7
Catterick	10·0	+16	N	3	r.r.	55	97	55	5	5	2	-	9+	10	500	1	*	70	55	54	1	6	3·1
Tynemouth	10·2	+14	N	6	ir	55	97	52	6	-	2	-	10	10	800	1	4	64	54	53	-	10	*
St. Abbs Head	12·1	+4	N	4	c	52	85	48	7	5	-	-	10	10	1500	1	5	60	51	*	-	0·4	*
Leuchars	13·6	+6	NE	3	c	53	75	45	8	5	7	-	4-6	10	2200	0	*	58	52	50	-	Tr	0·4
Renfrew (Abbots I.)	13·8	+12	ENE	2	c	54	85	50	9	5	2	-	7-8	10	2800	1	*	67	53	51	-	1	0·0
Eskdalemuir	11·6	+12	NNE	5	c	51	85	47	8	5	2	-	7-8	10	1800	1	*	70	51	50	-	0·1	0·5
Point of Ayre	10·9	+18	ENE	6	c	56	85	51	8	6	7	-	2-3	10	1500	1	5	61	56	*	6	7	0·0
Tiree	14·6	+16	NE'N	4	c	55	75	49	8	5	-	-	9+	9+	3500	0	4	63	55	*	-	Tr	[illegible]
Stornoway	18·4	+6	NNE	4	c	52	85	46	8	5	7	-	7-8	9+	2500	1	2	57	51	*	-	-	1·6
Dalwhinnie	15·2	+6	NNE	3	o	46	92		7	5	-	-	10	10	1500	1	*	63	45	45	-	0·5	0·6
Aberdeen †	14·4	+6	N'E	3	c/d	51	92	48	8	5	-	-	9+	9+	1500	1	3	62	50	47	-	Tr	1·3
Wick	16·1	-2	NE	4	c	51	92	49	9	5	-	-	9+	9+	2000	1	*	58	49	42	0·2	Tr	*
Sumburgh	16·0	-4	N	3	c	50	75	43	9	5	-	-	9+	9+	3000	0	2	57	47	45	0·4	-	1·8
Blacksod Point	13·6	+14	N	4	c	59	92	57	7	5	-	-	10	10	1500	1	3	62	56	*	3	1	*
Malin Head	13·4	+14	E'N	1	ir.	56	92	54	6	5	2	-	7-8	10	800	1	2	61	56		7	1	0·4
Aldergrove	12·4	+16	NE'E	3	c/r	54	92	52	7	5	7	-	9	10	4000	1	*	60	52	52	10	4	0·0
Birr Castle	11·7	+18	N	1	c	57	97	56	7	5	-	-	10	10	2500	1	*	61	55	54	22	0·3	0·0
Valentia Obsy.	12·9	+18	N'W	3	c	60	85	56	7	2	-	-	7-8	7-8	2500	1		65	59	56	2	0·5	4·1
Roches Point	10·8	+20	N	3	c	59	92	57	8	5	-	-	9	9	1500	1	2	66	58	*	8	0·5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 2nd August $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 3rd August $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
109	52	03845	04458	87	03845	04428	5-	03858	03428	5·	03867	03427
115				52	62625	08468	57	02844	08487	52	02844	08427
203				51	02845	04427	5-	03948	04428			
206	--	57309	06359	5-	61628	06368	5-	02738	04268	5-	02868	02228
210	5-	52508	05458	5-	51628	35458	8-	02758	35558	8-	02844	32428
220	51	02744	21216	50	01745	02515						
230	23	02863	31105	62	02764	00098	52	22865	04328	52	02964	04267
245	24	09763	05413	52	02864	04418	5-	02748	04458	57	02845	32357
260	--	46309	07249	--	44309	07349				52	02745	01168
276	57	05664	28364	9-	91638	26398	5-	05648	32368	57	02843	37427
279	81	05675	02128	62	62654	00098	62	61544	02368	52	22646	05368
285										6-	64628	02468
288	17	02763	08216	57	62364	00068	5-	67328	65468	5-	62528	65468
575	62	64626	10268	5-	22748	10168	52	02744	00028	52	05645	00028
301	3-	62468	00068	07	62478	00068	5-	22468	12168	52	62556	04368
321	62	62654	00068	5-	62668	08168	52	64464	00068	62	62526	30368
299	50	08458	16128	5-	67348	28248	--	46109	32349	5-	62528	02468
292	07	05690	05128	57	22562	00068	5-	61548	28268	62	22646	01268
310							--	57752	32228			
614	52	61564	00068	97	33565	00097	5-	08458	00048	52	63336	02168

III	13h. G.M.T. 2nd August $C_L C_M$	$wwVhN_h$	DDFWN	18h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN	01h. G.M.T. 3rd August $C_L C_M$	$wwVhN_h$	DDFWN	07h. G.M.T. $C_L C_M$	$wwVhN_h$	DDFWN
333	57	22655	28168	53	02635	30228	5-	62535	00068	62	61635	04268
334												
340	8-	64458	00088	57	62656	00068	5-	43328	00068	02	64428	32268
136	60	22751	16267	58	05567	14167	--	44109	00069	--	46209	20149
336										62	62626	24368
350	27	02864	22266	36	01864	18284	03	08490	20115	--	44209	22249
368	36	01752	24424	36	02753	20226	80	81764	26114	83	05554	28184
379	8-	81748	20328	87	01754	22295	07	05690	16213	5-	41408	18248
390	23	05555	00066	80	05663	20293	03	08490	24101	5-	08438	24243
38[illegible]	07	53855	20367	38	22855	00096	07	05590	00003	5-	05648	00028
438	62	02644	32318	87	02643	24414	5-	02748	20428	8-	02616	22426
430	59	02745	18257	8-	02757	18327	5-	05648	22228	6-	05445	00025
409	34	01964	23324	36	01953	23415	83	02745	22125	33	01944	23124

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 3rd August. Day 7h—18h Kew and Croydon, 9h—18h Kensington, 9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution, Milligrams of solid impurity per cubic metre
Kew	cr.o.pr.o.c	cbc	bcwbccm.o.w	Kew 24 hours ended 7h. Max. 0·1 Time 7-14h 2nd. Min. <0·1 Time rest of period.
Croydon	cr.o.m.o.c	cir.o.cb	bm.o.wcm.o.	
Greenwich	c	cpbc	bwcbc	
Camden Square	c	c	*	
Kensington	bc	cpbc	*	
Hampstead	or	bcp	o	

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	56	49	3	Tr	4·3	*	*
Croydon	70	54	51	3	0·1	3·6	*	*
Greenwich	72	55	43	Tr	-	3·4	57	77
Westminster	70	57	54	0·3			78	92
Regents Park								
Camden Square	71	57	52	0·3	-	*	*	83
Kensington	71	56	51	0·5	-		69	87
Hampstead	68	54	52	0·2	-		*	91

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SECRET

Tuesday 4th August 1942

No. 29415

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

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	08·1	-2	N'W	2	r/Hr	63	85	58	8	8	3	3	7-8	9	1500
	Croydon	08·0	-4	SSW	2	c	68	65	59	8	9	-	3	7-8	9	1600
	S. Farnborough	08·1	-2	W'S	3	c	66	65	53	8	8	7	1	4-6	7-8	2000
	Boscombe Down	08·9	+2	N'W	1	c/pr	64	75	55	7	8	6	-	4-6	7-8	2000
	Thorney Island	08·7	+2	S'W	2	c/pr	66	85	61	8	3	6	3	7-8	9+	4000
	Lympne	09·5	+2	W'N	1	b/Hr	64	85	58	8	3	6	3	2-3	7-8	3500
	Manston	07·8	-2	SSW	2	c	67	75	59	6	3	-	3	1	7-8	2500
2	Shoeburyness	08·2	-8	SSW	3	c/pr	66	85	59	7	2	-	-	9+	9+	4000
	Felixstowe	07·5	-4	W	3	zo	71	65	56	6	8	-	-	7-8	7-8	1500
	Gorleston	08·3	+6	NNE	3	pr	62	85	58	7	8	-	-	9+	9+	900
	Mildenhall	07·9	-2	W'S	3	ct	64	97	63	6	9	-	-	9+	9+	1200
	Cranwell	09·7	+18	N'E	4	dodo	56	97	55	6	6	2	-	7-8	10	600
3	Birmingham	10·1	+14	NE	3	iro	56	92	54	4	6	-	-	10	10	450
	Upper Heyford	08·2	+6	N'W	4	c	63	75	56	7	8	3	-	9	9+	2000
4	Ross-on-Wye	09·6	+12	NNE	3	c/pr	61	85	55	7	8	-	-	9	9	2500
5	Hartland Point	09·9	+14	N	2	bc	62	85	59	8	2	4	4	2-3	4-6	2000
	Bristol	09·2	+2	N'W	3	c	66	75	57	8	2	6	-	7-8	9+	2500
	Portland Bill	08·9	+4	W	2	c	63	85	60	8	5	-	-	10	10	4000
	Plymouth	09·9	+8	SSW	1	pr	61	92	59	7	8	7	-	7-8	7-8	1000
	The Lizard	10·0	+4	WNW	3	bc	66	75	59	8	2	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	11·0	+10	NW	3	c	66	75	59	7	5	4	-	7-8	10	800
	Guernsey															
6	Pembroke	10·9	+10	N'E	4	zo	64	85	57	6	8	6	-	7-8	10	2000
7	Holyhead (Valley)	12·9	+20	NE'E	4	c	62	75	53	8	2	7	-	4-6	9+	2000
	Chester (Sealand)	11·8	+18	N	2	roro	58	85	56	6	6	2	-	7-8	10	1500
8	Manchester	11·5	+14	NNE	3	roro	57	92	54	5	5	2	-	7-8	10	1500
10	Spurn Head	09·9	+14	NNE	5	dd	57	97	56	6	-	2	-	10	10	1500
	Catterick	13·4	+6	NNE	4	c	55	85	50	6	5	-	-	10	10	800
	Tynemouth	13·7	-14	NNE	6	c	55	85	49	7	8	-	-	9	9	2000
11	St. Abbs Head	14·4	+6	N	4	c	53	65	42	8	5	-	-	9+	9+	2500
	Leuchars	15·6	+4	NNE	2	c	57	55	42	8	5	7	-	7-8	9	2800
12	Renfrew (Abbots I.)	15·3	+2	ENE	2	c	60	55	45	9	5	-	-	9	9	2500
	Eskdalemuir	14·2	+6	NE	5	c	55	65	45	8	5	7	-	7-8	10	1400
	Point of Ayre	14·5	+18	ENE	5	c	57	75	49	8	8	7	-	7-8	10	1500
[illegible]	Tiree	17·0	+12	N'E	3	c	58	65	45	9	5	-	-	7-8	9	2500
13B	Stornoway	19·8	+10	NNE	3	c	53	85	47	8	5	7	-	7-8	10	2500
15	Dalwhinnie	17·0	+2	NE	3	c	51	75	42	8	5	-	-	9+	9+	2500
	Aberdeen	15·8	+6	N'E	4	c	55	65	43	8	7	-	-	9+	9+	3000
	Wick	17·5	-2	N	3	c	53	92	51	9	8	-	-	10	10	2500
16	Sumburgh	16·0	+4	NE	4	c	55	75	45	8	7	7	-	7-8	9	3000
17	Blacksod Point	16·8	+12	N	5	c	62	85	57	6	5	-	-	10	10	1500
18	Malin Head	16·5	+14	E'N	2	c	56	92	54	8	5	-	2	4-6	7-8	800
	Aldergrove	15·3	+12	ENE	3	c	56	75	48	7	5	7	-	7-8	10	3000
19	Birr Castle	14·5	+14	ENE	1	c	63	75	55	7	8	2	-	7-8	10	1500
20	Valentia Obey.	15·6	+8	NW	3	bc	64	85	59	7	8	-	-	7-8	7-8	1500
	Roches Point	13·7	+14	N'E	4	c	67	65	54	8	5	-	-	7-8	7-8	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.—13h. 3rd (39)	Weather 13h.—18h. 3rd (40)	Weather 18h 3rd to 1h. 4th (41)	Weather 1h.—7h. 4th (42)
London (Kew)	10·4	+18	N'E	4	c	59	85	53	8	5	-	-	10	10	2500	1	*	ctpr.	iriroc	ciroc	c
Croydon	09·9	+16	N'W	4	c	60	85	57	7	5	2	-	4-6	10	1000	1	*	cbcc	c	ccidomo	cbcmoc
S. Farnborough	10·5	+18	NE'N	3	c	60	85	55	7	5	2	-	9	10	1200	1	*	cmoproc	croHrproc	cmidobcmo	bcmoc
Boscombe Down	11·8	+20	NNE	4	c	60	85	54	7	8	7	-	4-6	9	3000	1	*	bRemoc	ctHrom	ciroch	bmocb
Thorney Island	09·9	+10	N	3	c/pr	61	92	56	6	9	-	-	4-6	9+	1500	1	*	cmoproc	PRopre	cirobc	bcwc
Lympne	10·2	+10	—	0	c/Hr	58	92	55	7	4	7	-	Tv	10	4000	1	§2	Hrobc	ThRomc	cGromo	cmocrobc
Manston	08·5	+2	NW'N	1	pr	64	85	58	8	9	-	-	9+	9+	2800	1	*	bprbcmo	bcjp	cprcromo	cmrorobc
Shoeburyness	09·3	+10	N	3	c/TLR	65	75	57	7	8	1	-	7-8	9+	2500	1	*	cmoproc	TLRcc		cvovoc
Felixstowe	09·1	+10	N'W	3	zo	63	85	57	6	8	-	-	10	10	1500	0	2	cmo	cmo	cidomocm	bmobcc
Gorleston	09·5	+12	N'E	5	iro	58	92	56	6	8	-	-	10	10	900	1	3	czopro	czoiro	oirocm	bcpro
Mildenhall	11·0	+20	N	4	c/d	57	85	53	8	5	-	-	10	10	1000	1	*	cmproL	cmoprotid	ccidoco	c
Cranwell	12·3	+12	N	3	c	55	85	51	7	5	2	-	4-6	10	1500	1	*	cddmo	cadmcidoc	ccmirocmo	ccmiro
Birmingham	13·0	+14	NE	3	c/r	55	92	53	6	6	2	-	9	10	800	1	*	roirm	oiro	coc	oc
Upper Heyford	11·2	+10	NNE	4	c/r	58	88	53	7	5	2	-	9	10	1500	1	*	ccmo	cciro	iromobcc	c,cmo,c
Ross-on-Wye	12·1	+8	N'E	3	u	60	85	54	6	9	2	-	9	10	1500	1	*	czccp	cc	como	cb
Hartland Point	11·5	+10	NE	3	bc	61	85	58	7	-	4	-	0	2-3	-	0	3	cbcpo	bccbc	bccb	bcc
Bristol	12·1	+16	NNE	4	c	61	75	54	7	5	2	-	7-8	10	4000	1	*	bcmoc	ctcmoc	cbc	cbc
Portland Bill	10·1	+6	NW	2	o	62	85	59	8	5	-	-	10	10	4000	1	2	cc	cpro	cc	cc
Plymouth	10·9	+6	NW	2	bc	67	75	58	8	8	6	-	2-3	2-3	2000	0	2	bcpro	cprbc	bccmo	cmodod
The Lizard	11·8	+14	N	3	bc	64	75	56	8	8	6	-	4-6	4-6	2500	0	3	cprbc	zobc	bczobc	cow
Scilly (St. Mary's)	12·9	+8	N'W	4	c	59	92	57	6	8	2	-	7-8	10	800	1	3	bccpc	cpoc	cbc	bccw
Guernsey																					
Pembroke	13·6	+12	N	4	bc	62	75	57	6	2	6	-	2-3	4-6	3000	1	2	cmo	cbcmo	bcc	bcc
Holyhead (Valley)	14·6	+8	N	4	c	59	75	51	8	7	7	-	4-6	9	2500	1	3	ododo	c	cbcc	cv
Chester (Sealand)	13·8	+8	NNE	2	c	58	75	51	6	5	-	-	10	10	2500	1	*	cmororo	crorovmo	ciromo	cmobc
Manchester	13·3	+6	N'E	4	c	57	75	50	6	5	7	-	7-8	9	1500	1	*	roro	roromo	czo	bccmo
Spurn Head	12·3	+8	N'E	5	c	56	88	52	7	7	1	-	4-6	7-8	1500	0	4	omodd	c	cc	c
Catterick	14·9	+8	N	3	c	54	85	48	7	8	7	-	2-3	9+	1800	1	*	crorocmo	cmoc		ciroc
Tynemouth	14·5	+8	N	6	c	54	85	50	7	5	-	-	7-8	7-8	2400	1	4	oroc	c	.c	cpr
St. Abbs Head	14·0	-2	N	3	c	52	85	46	8	5	-	-	10	10	2500	0	4	omoc	c	crc	cpr
Leuchars	16·3	+6	N	3	bc	58	88	52	8	5	3	8	2-3	7-8	3000	0	*	cdodomocy	cyc	bcc	ccporc
Renfrew (Abbots I.)	16·1	+4	E	1	c	60	65	46	9	7	-	-	9+	9+	3000	0	*	ciroc	cyc	cbcb	bbc
Eskdalemuir	15·6	+12	NNE	3	c	54	65	41	8	5	7	-	7-8	7-8	2700	0	*	irodoc	cbcc	c	c
Point of Ayre	15·6	+6	NE'E	3	c	58	75	50	8	5	7	-	Tv	9+	2500	0	4	c	c	c	c
Tiree	18·0	+4	N	3	b	55	75	46	9	1	4	-	Tv	Tv	3500	0	5	c	bcb	bbc	bcc
Stornoway	20·0	+2	N	4	c	55	75	48	8	5	7	-	7-8	9	2500	1	2	c	cpov	c	cid
Dalwhinnie	17·8	+6	N	3	o	49	65	40	8	5	-	-	10	10	2500	0	*	oc	co		oc
Aberdeen	16·3	+4	N'E	4	c	55	65	45	8	7	-	-	9+	9+	2500	0	3	cyc	c	cproc	cproc
Wick	17·8	+4	NNW	3	pr	51	92	50	8	8	-	-	10	10	2500	0	*	c	c	procroc	o,cwr,c
Sumburgh	16·5	+2	N	4	c/pr	52	75	46	8	5	-	-	10	10	3500	1	2	bbc	cproc	c,cproc	cproc
Blacksod Point	19·0	+14	N'E	5	c	59	85	54	8	5	-	-	10	10	2500	0	4	c	c	c	c
Malin Head	18·0	+10	N	3	c	56	75	49	8	9	7	-	4-6	7-8	1500	1	2	+	c	bc	+
Aldergrove	17·5	+6	NNW	1	cjp	66	75	59	7	5	2	-	7-8	10	3000	1	*	c	ccjp	cjpcb	bbcbwbcw
Birr Castle	13·7	+4	NNE	2	c	64	75	56	8	5	1	-	7-8	10	2500	1	*	c	c		
Valentia Obey.	16·8	+6	NW'N	2	b	65	75	57	7	1	-	3	Tv	1	2500	1	3	bc	bc	b	bc
Roches Point	15·4	+6	N'E	3	c	66	75	58	8	5	-	-	7-8	7-8	2500	1	2	d	c	c	pr

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 4th August 1942.

Districts	Forecast
1 S.E. England 2 E. England 3 E. Midlands	Moderate to fresh northerly winds, slowly backing and decreasing; mainly cloudy; a few light showers near the East coast; cool.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands	Moderate to light northerly winds; mainly fair with bright periods, becoming more general later; cool.
10 N.E. England 11 S.E. Scotland	As 0-3.
12 S.W. Scotland & Isle of Man 13A W. Scotland	As 4-9.
13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate northerly winds; cloudy and brighter intervals; some showers; cool
16 Orkneys and Shetlands	As 13B-15.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light to moderate North to Northeast winds; fair; rather cool.

GENERAL INFERENCE

An anticyclone centred to the Southward of Iceland is spreading South Southeast. Weather will be cool and mainly dry, apart from a few light showers near the Eastern coasts, and will slowly become brighter and somewhat warmer.

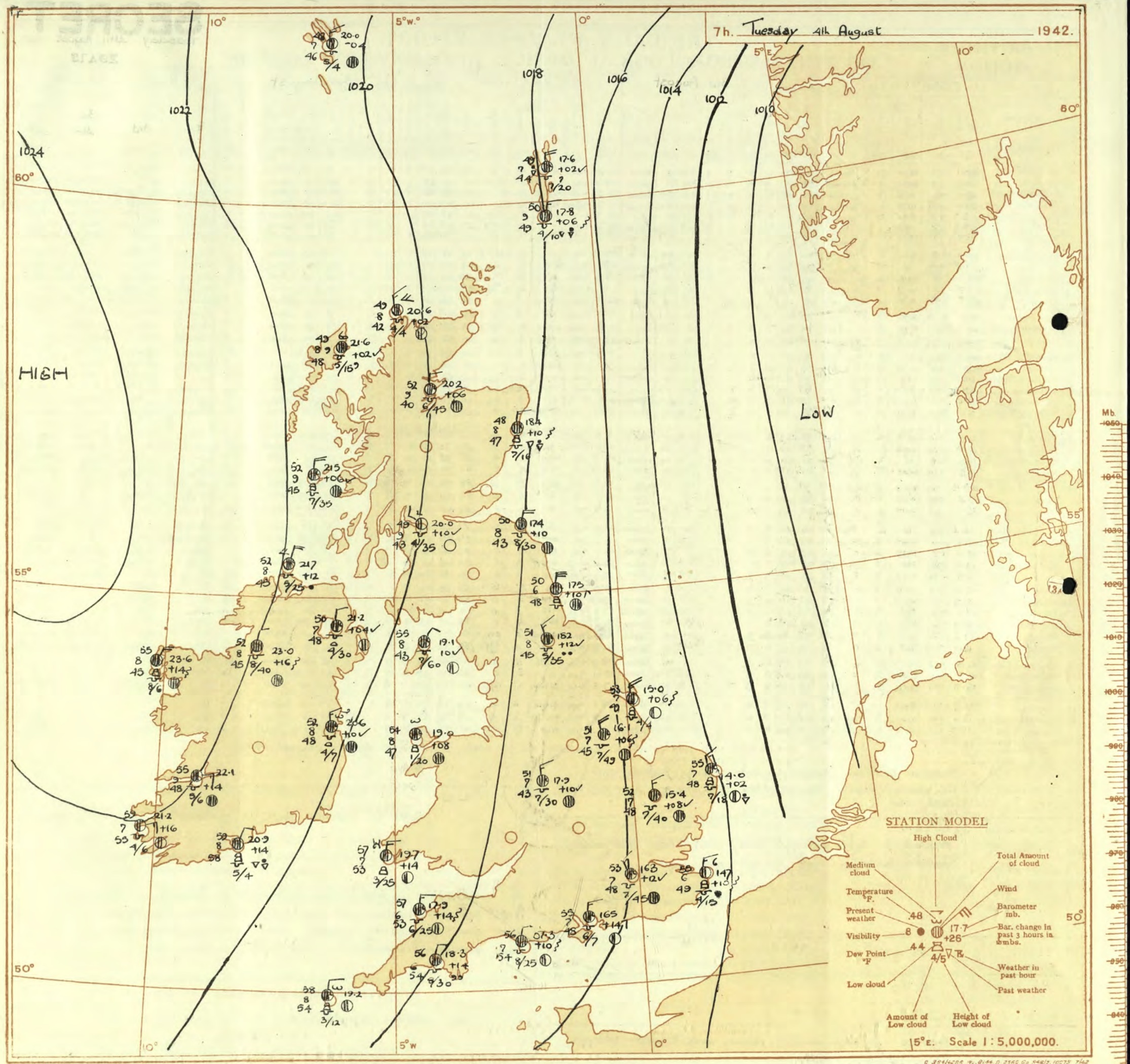
FURTHER OUTLOOK

Fair weather generally.

Forecasts issued at 10.30.

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

7h. Tuesday 4th August 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Tuesday 4th August,

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Tuesday 4th August 1942 — No. 29475

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

Dist.	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F (6)	Humid. % (7)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	N'W	*	*	54	*	*	*	*	*	*	*	*	*
	Croydon ...	290	14·3	+8	N'W	4	b	54	85	49	7	5	4	-	2-3	2-3	2200
	S. Farnborough	226	14·8	+10	N'W	2	Zo	53	85	48	6	3	7	-	Tr	2-3	2000
	Boscombe Down	417	16·1	+12	N'E	3	b	50	92	48	7	-	-	-	0	0	-
	Thorney Island	10	14·4	+14	N	3	bc	54	85	50	7	5	-	1	2-3	4-6	800
	Lympne .	283	13·9	+8	NE	4	₀⁰₀	68	97	62	6	5	2	-	9	10	900
	Manston ...	154	13·0	+18	N'W	4	₀⁰₀	55	85	51	6	5	-	-	10	10	1600
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	13·0	+10	NW	3	Zo	54	88	49	6	5	7	-	7-8	10	2500
	Gorleston ...	5	12·4	+6	NNW	3	c	53	85	49	7	8	-	-	10	10	1300
	Mildenhall ...	15	14·1	+6	NW'N	3	c	52	85	48	7	5	7	-	7-8	7-8	3800
	Cranwell ...	203	15·1	+6	NW	3	Zo	50	92	48	6	-	7	-	0	9	-
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15·4	+6	N'E	3	c	52	85	48	7	5	-	-	10	10	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·8	+12	N	3	bc	59	92	57	6	-	4	-	0	2-3	-
	Bristol .	209	16·7	+10	NNE	2	c	54	92	51	7	5	2	-	9	10	2800
	Portland Bill ...	32	15·1	+14	N	3	c	57	85	55	8	5	-	-	10	10	4000
	Plymouth ..	82	15·9	+10	-	0	Zo	58	85	55	6	5	-	-	4-6	4-6	2500
	The Lizard ...	240	16·0	+16	N'E	3	bc	56	92	54	7	8	-	-	2-3	2-3	2000
	Scilly (St. Mary's)	163	17·1	+16	N'E	4	bc	58	85	54	8	8	-	-	2-3	2-3	1200
	Guernsey ...	175															
6	Pembroke ...	142	17·2	+6	N	5	c	56	85	51	7	5	-	-	9	9	2500
7	Holyhead (Valley)	32	18·0	+10	N'W	2	c	55	85	51	8	5	-	-	10	10	5000
	Chester (Sealand)	16	17·5	+10	N	1	c	52	85	47	6	5	-	-	9+	9+	4800
8	Manchester ...	235	17·3	+6	NNW	3	Zo	49	75	41	6	5	-	-	2-3	2-3	3500
10	Spurn Head ...	29	14·2	+6	NW	5	c	54	85	50	7	7	7	-	4-6	9	1500
	Catterick ...	175	17·0	+4	NNW	3	c	50	85	45	7	5	7	-	4-6	9+	3000
	Tynemouth ...	108	17·2	+12	N	6	c	52	85	49	7	8	-	-	9	9	2500
11	St. Abbs Head	280	16·4	+2	N	4	c	51	75	45	7	5	-	-	10	10	2500
	Leuchars ...	36	18·0	+4	-	0	c	54	65	42	5	5	-	-	10	10	2800
12	Renfrew (Abbotsl.)	19	19·1	+10	N	1	b	46	85	40	5	5	-	-	1	1	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	18·2	+12	E'S	2	a	56	75	46	8	9	-	-	9+	9+	4800
13A	Tiree	22	20·0	+6	N	5	bc	51	75	45	8	8	-	-	4-6	4-6	3500
13B	Stornoway ...	80	21·2	+2	-	0	c	49	85	45	8	5	7	-	7-8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	17·5	+2	N	3	c	49	85	45	8	5	-	-	10	10	4100
	Wick ...	114	18·8	+2	NNW	2	c	49	92	47	8	5	-	-	10	10	3500
16	Sumburgh ..	19	17·1	+2	N'W	4	c	50	92	46	7	5	-	-	10	10	2500
17	Blacksod Point	18	22·2	+10	NE'N	6	c	57	75	49	8	8	-	-	9+	9+	2500
18	Malin Head ...	84	20·3	+8	NE'N	4	bc	53	75	46	8	5	2	-	4-6	7-8	1500
	Aldergrove ...	268	19·5	+10	N'E	1	b	46	92	43	8	5	1	-	1	2-3	3500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	19·4	+10	NE	1	Zo	54	97	53	6	1	-	-	Tr	Tr	1500
	Roches Point	22	19·0	+10	NNE	1	c	60	92	58	8	5	-	-	9+	9+	1500

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

Dist.	Stations	Barom at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force. 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	°F. Dew Point. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	16·8	+12	N'W	3	c	54	63	41	7	5	-	-	9+	9+	2500	1	*
	Croydon ...	16·3	+12	NW	3	c	53	85	48	7	5	-	-	9+	9+	4500	1	*
	S. Farnborough	17·0	+14	NNW	3	c	53	75	46	7	5	3	-	4-6	9+	6000	1	*
	Boscombe Down	18·0	+16	NNE	2	bc	52	85	47	7	1	4	-	Tr	2-3	2500	0	*
	Thorney Island	16·5	+14	N	3	c	55	75	48	7	5	-	-	9	9+	5700	1	*
	Lympne .	15·2	+14	NNW	3	bc	53	85	49	7	5	3	9	1	4-6	1500	1	3
	Manston ...	14·7	+10	NNW	3	Zo	55	85	49	6	8	4	-	4-6	4-6	1500	1	*
2	Shoeburyness ...	15·8	+6	NW	3	c	53	85	48	8	5	7	-	7-8	9	6000	1	*
	Felixstowe ...	14·6	+10	NW'W	4	c/d	55	85	49	7	5	7	-	4-6	9+	2500	1	3
	Gorleston ...	14·0	+12	NW'N	3	c/pr	55	75	48	7	8	-	-	9+	9+	1800	1	2
	Mildenhall ...	15·4	+8	NW	3	c	52	85	48	7	5	-	-	9+	9+	4000	1	*
	Cranwell ...	16·1	+6	NW	4	c	51	85	48	7	5	-	-	9+	9+	4000	1	*
3	Birmingham ...	18·3	+8	N	3	c	50	75	43	7	5	-	-	9	9	4000	1	*
	Upper Heyford	17·0	+10	NNW	4	c	51	75	42	7	5	-	-	9+	9+	3000	0	*
4	Ross-on-Wye	18·3	+8	NNW	3	bc	53	75	43	8	5	-	-	1	1	4000	1	*
5	Hartland Point	17·9	+14	NNE	3	c	57	85	51	6	5	-	-	9	9	2500	0	3
	Bristol .	18·8	+14	N'E	4	b	54	65	43	8	-	4	-	0	Tr	-	1	*
	Portland Bill ...	07·3	+0	N	2	c	56	92	53	7	5	-	-	10	10	2500	1	2
	Plymouth ..	18·3	+14	N'E	1	o/d	56	92	54	6	5	-	-	10	10	3000	0	2
	The Lizard ...	17·9	+12	-	0	0	58	92	56	7	5	-	-	10	10	1300	1	2
	Scilly (St. Mary's)	19·2	+14	N	2	c	58	85	54	8	8	3	-	2-3	9+	1200	1	3
6	Pembroke ...	19·7	+14	NNE	3	c	57	85	53	7	2	6	-	2-3	7-8	2500	0	3
7	Holyhead (Valley)	19·0	+8	-	0	c	54	75	47	8	2	3	-	Tr	9+	2000	1	1
	Chester (Sealand)	18·4	+10	NW	2	c	53	75	45	7	5	-	-	9+	9+	5000	1	*
8	Manchester ...	18·0	+6	NW'W	3	Zo	51	85	45	5	5	-	-	9+	9+	4000	1	*
10	Spurn Head ...	15·0	+6	NW'N	5	c	53	85	49	7	8	3	-	4-6	7-8	1500	0	4
	Catterick ...	18·2	+12	NW	3	c/r	51	85	45	8	5	7	-	7-8	9+	3500	1	*
	Tynemouth ...	17·5	+10	NNW	6	c	50	97	48	6	8	-	-	9	9	1500	1	4
11	St. Abbs Head	17·4	+10	NNW	4	c	50	75	44	8	5	-	-	10	10	3000	0	5
	Leuchars ...	18·7	+6	NNW	1	c	52	75	43	9	5	3	-	9	9+	3500	0	*
12	Renfrew (Abbotsl.)	20·0	+10	W'N	2	bc	49	75	43	9	5	-	8	4-6	4-6	3500	0	*
	Eskdalemuir ...	18·9	+6	N'E	2	c	49	75	41	8	5	-	-	9	9	2800	0	*
	Point of Ayre...	19·1	+10	NE	2	c	55	65	43	8	5	-	-	9+	9+	6000	0	3
13A	Tiree	20·8	+8	N'W	3	c	52	75	43	9	5	-	-	9+	9+	3500	0	4
13B	Stornoway ...	21·2	+6	-	0	id₀	49	97	48	8	5	7	-	7-8	10	1500	1	1
15	Dalwhinnie ...	20·3	+4	NW	3	c	46	75	38	8	5	-	-	7-8	7-8	2500	0	*
	Aberdeen † ...	18·4	+10	N'W	3	c/pr	48	97	47	8	8	-	-	9+	9+	4600	1	2
	Wick ...	19·2	+4	NNW	3	c	49	92	48	9	5	2	-	7-8	10	3000	1	4
16	Sumburgh ..	17·8	+6	N	3	c/pr	50	92	45	9	5	-	-	4-6	10	1000	1	2
17	Blacksod Point	23·6	+14	NNE	4	c	55	85	44	8	8	-	-	10	10	4000	0	3
18	Malin Head ...	21·7	+12	NNE	4	c	52	75	44	8	5	2	-	7-8	9+	2500	1	3
	Aldergrove ...	21·2	+6	N'W	2	c	50	92	48	7	7	-	2	4-6	9	3000	1	*
19	Birr Castle ...	21·4	+14	NNW	1	c	52	85	48	8	5	1	-	7-8	10	2500	1	4
20	Valentia Obsy.	21·2	+16	NE'E	3	bc	53	85	54	7	5	-	-	4-6	4-6	4000	1	2
	Roches Point	20·9	+14	NNE	1	c/pr	59	92	57	8	8	-	-	7-8	7-8	1800	1	4

PAST 24 HOURS.

Dist.	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 3rd. Hrs. (38)
1	London (Kew)	69	52	45	1	Tr	3·7
	Croydon ...	71	50	48	2	0·4	5·9
	S. Farnborough	71	51	46	1	Tr	3·7
	Boscombe Down	69	48	44	5	-	2·7
	Thorney Island	69	50	42	5	0·4	*
	Lympne .	70	49		8	3	5·4
	Manston ...	69	53	51	7	4	5·7
2	Shoeburyness ...	71	49	46	1	0·1	5·4
	Felixstowe ...	73	51	49	-	Tr	4·3
	Gorleston ...	65	51	48	0·6	3	0·8
	Mildenhall ...	67	49	44	0·5	Tr	1·3
	Cranwell ...	*	49	45	2	0·2	0·0
3	Birmingham ...	60	48	44	1	-	0·0
	Upper Heyford	68	50	49	Tr	Tr	0·0
4	Ross-on-Wye	64	50	44	0·1	-	0·6
5	Hartland Point	65	57	56	Tr	-	7·8
	Bristol .	67	52	48	-	Tr	3·5
	Portland Bill ...	63	54	*	Tr	-	*
	Plymouth ..	67	57	50	4	Tr	3·6
	The Lizard ...	67	55	*	Tr	-	8·8
	Scilly (St. Mary's)	66	55	*	1	Tr	3·8
6	Pembroke ...	65	48	*	-	-	5·1
7	Holyhead (Valley)	63	52	47	0·4	-	*
	Chester (Sealand)	59	47	42	2	Tr	0·0
8	Manchester ...	57	46	40	3	-	*
10	Spurn Head ...	57	51	*	2	-	0·0
	Catterick ...	57	50	48	0·6	Tr	0·2
	Tynemouth ...	55	49	48	0·2	Tr	*
11	St. Abbs Head	52	50	*	-	Tr	
	Leuchars ...	60	50	46	Tr	Tr	2·5
12	Renfrew (Abbotsl.)	63	42	37	Tr	-	1·5
	Eskdalemuir ...	57	46	42	Tr	-	2·3
	Point of Ayre...	60	54	*	-	-	
13A	Tiree	58	50	*	-	-	
13B	Stornoway ...	55	48	*	Tr	Tr	1·0
15	Dalwhinnie ...	51	43	41	-	-	0·0
	Aberdeen † ...	56	47	46	-	Tr	0·6
	Wick ...	54	47		Tr	Tr	*
16	Sumburgh ..	57	47	46	Tr	Tr	2·4
17	Blacksod Point	63	52	*	-	-	*
18	Malin Head ...	58	51		2	Tr	-
	Aldergrove ...	59	41	36	Tr	-	0·0
19	Birr Castle ...	65	49	47	-	-	
20	Valentia Obsy.	65	53	47	Tr	Tr	5·5
	Roches Point	68	*	*	-	.	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 3rd August ... 18h. G.M.T.				01h. G.M.T. 4th August ... 07h. G.M.T.			
IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
10987	02945	32426	8-	02857	31427	5-	03748	27358
11552	02844	08327	52	02844	06427			
203						5-	02948	32428
20652	02866	04228	52	01866	04228	5-	02866	32226
2107-	02968	30428	5-	02944	30428	8-	02744	30488
22050	01955	05415	57	25845	04587			
2301-	00962	32313	4-	00963	31213	53	02964	00026
2455-	02958	32358	5-	02967	01427	5-	22958	30269
2607-	02753	01128	52	02845	04227	53	02864	04226
2788-	02857	04467	53	02856	28426	"	"	"
27977	02945	03427	7-	02967	05427	5-	02865	32225
28502	22638	32368						
28852	05535	64468	5-	05644	63527	5-	05667	60427
57557	02755	10258	8-	02847	04158	5-	02858	32228
30187	02754	04366						
32162	62736	02268	51	02855	01368	5-	02766	30356
2995-	61758	02468				5-	02757	32527
29262	22747	31468	57	05664	32326	5-	02767	27227
310--	51628	04558						
61462	62535	04268	57	05655	02367	57	05665	32426

13h. G.M.T. 3rd August ... 18h. G.M.T.				01h. G.M.T. 4th August ... 07h. G.M.T.			
IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
33387	02745	02367	27	02753	01424	50	02767	32217
334								
340			53	02763	32326	5-	05668	32328
13655	05528	32358	6-	22635	01368	5-	02868	29428
33657	41645	02348	57	02755	04328			
35056	25655	32388	5-	53648	02488	5-	05657	30428
36896	25755	20286	52	02654	04488	5-	05658	28118
37912	05647	30327	5-	25648	30488	5-	05658	31368
39056	02756	24227	62	51633	32388	5-	02655	01457
38257	02756	00087	57	02746	03327	50	22774	31364
43858	02744	22415	87	02763	24315			
430			5-	62538	32188	5-	01754	04424
40974	02954	29325	5-	01743	01314	5-	05627	02327

13h. G.M.T. 3rd August ... 18h. G.M.T.				01h. G.M.T. 4th August ... 07h. G.M.T.			
IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
51	02767	32217	5-	02965	28127			
--	02646	00017						
53	05665	28325						
53	02756	28487						
50	01754	04314						
5-	05667	28327						
03	05650	02125						
5-	02757	32327						
53	02776	28327						
53	02867	30327						
51	02748	28328						
5-	02767	32327						
53	05625	32327						

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 4th August,
Day 7h—18h Kew and Croydon, 9h–18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	etpr	irirc	circ	Kew 24 hours ended 7h. Max. Time 0·1 on 4th. Min. Mean 40·1, Rest of Period
Croydon ...	cbcc	c	ccidmb	
Greenwich ...	bcy	cyct	cdcbc	
Camden Square	c	c	*	
Kensington .	c	bcpr	*	
Hampstead ...	o	bctlp	od	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	69	52	45	1	Tr	3·7	*	*
Croydon ...	71	50	48	2	0·4	5·9	*	*
Greenwich ...	75	52	44	-	Tr	5·8	60	68
Westminster ...	72	53	51	—			65	77
Regents Park ...	72	52	46	Tr	Tr		79	69
Camden Square	72	52	46	-	Tr	*	*	75
Kensington ...	72	52	46	0·2	-		83	76
Hampstead ...	68	49	46	Tr	-		*	80

Page 1 **BRITISH SECTION**

SECRET

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

Wednesday 5th August 1942

No. 29476

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18.2	+8	NNW	3	c	60	45	41	7	5	-	-	9+	9+	2500
	Croydon	18.4	+14	NW'N	4	c	58	55	44	7	2	3	-	2-3	9+	3000
	S. Farnborough	18.4	+8	NW'N	3	c	58	45	39	8	7	7	-	7-8	9+	2500
	Boscombe Down	19.5	+8	NNW	4	c	59	75	50	8	8	6	-	4-6	9	3000
	Thorney Island	18.4	+10	NNW	3	c	60	55	45	9	7	-	-	9+	9+	4000
	Lympne	18.0	+14	NW	4	c	56	75	48	7	8	-	-	4-6	10	2000
	Manston	16.4	+6	NW	3	c	59	55	43	8	2	7	-	4-6	9+	2500
2	Shoeburyness	17.3	+6	NNW	3	c	61	55	44	8	7	-	-	9+	9+	3000
	Felixstowe	16.8	+14	NW	4	c/pr	56	75	48	7	5	-	-	10	10	2500
	Gorleston	15.6	+8	NNW	5	c	58	65	47	7	2	-	-	9	9	1500
	Mildenhall	17.2	+10	NW	3	c	57	75	50	8	8	-	-	7-8	10	1800
	Cranwell	18.3	+12	NW'N	4	c/pr	54	85	50	7	7	-	-	10	10	2500
3	Birmingham	18.9	+2	N	3	c	59	45	49	8	8	7	-	7-8	9+	2500
	Upper Heyford	18.3	+6	N'W	4	c	59	45	40	8	5	3	-	4-6	9	3000
4	Ross-on-Wye	19.4	+4	NNW	4	c	60	45	40	8	5	-	-	9	9	4000
5	Hartland Point	20.4	+6	NW	3	c	60	75	50	7	1	4	1	2-3	7-8	3000
	Bristol	20.0	+2	NNW	4	c	60	45	41	8	4	-	-	9+	9+	4700
	Portland Bill	18.8	+4	NE	3	c	62	92	59	8	5	-	-	9	9	4000
	Plymouth	20.2	+6	SSW	2	c	60	65	49	8	5	-	-	9+	9+	3000
	The Lizard	20.3	+12	N	4	bc	64	55	47	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	21.8	+12	N'W	3	bc	65	65	52	8	-	4	2	0	4-6	-
	Guernsey															
6	Pembroke	21.3	+8	NW'N	3	bc	61	75	51	8	1	-	-	2-3	2-3	2500
7	Holyhead (Valley)	20.7	+8	NW'N	3	bc	62	55	48	9	2	4	-	2-3	4-6	5000
	Chester (Sealand)	19.7	+4	NNW	3	c	60	45	40	8	7	-	-	7-8	7-8	3500
8	Manchester	19.4	+6	NW	4	z	57	65	48	6	8	-	-	7-8	9	2500
10	Spurn Head	17.9	+20	N'W	6	c	56	75	48	7	8	7	-	4-6	9+	1500
	Catterick	19.9	+10	NNW	2	c	55	65	45	7	8	-	-	7-8	10	2500
	Tynemouth	19.7	+12	N	6	c	55	85	50	7	8	-	-	9	9	2500
11	St. Abbs Head	19.4	+8	N	3	c	52	85	48	8	5	-	-	10	10	2500
	Leuchars	19.9	+6	NW	1	c	59	65	45	9	8	-	-	9+	9+	3000
12	Renfrew (Abbots I.)	20.2	+2	NW	1	c	62	45	41	9	1	-	-	2-3	7-8	3000
	Eskdalemuir	20.0	+4	NE	2	c	54	65	41	8	5	-	-	9+	9+	3300
	Point of Ayre	20.9	+8	NNW	4	bc	62	65	49	8	7	-	-	2-3	2-3	6000
13A	Tiree	21.9	+6	N'W	2	c/r	56	85	52	8	5	-	-	9+	9+	4000
13B	Stornoway	21.9	+2	NW	3	c	55	75	47	8	5	7	-	7-8	10	2000
15	Dalwhinnie	20.5	+6	N	3	c	55	56	40	8	8	-	-	7-8	7-8	2500
	Aberdeen	20.0	+12	N'E	3	c/pr	53	75	47	8	8	-	-	9+	9+	2500
	Wick	20.2	+4	NNW	3	c	54	92	52	9	8	-	-	7-8	7-8	3000
16	Sumburgh	18.7	+6	NW'N	4	c/d	52	75	46	9	5	-	-	9+	9+	2500
17	Blacksod Point	24.7	+2	N	3	c	57	75	49	8	5	-	-	10	10	4000
18	Malin Head	22.6	+6	N'W	2	c/d	55	92	52	8	5	2	-	4-6	7-8	2500
	Aldergrove	22.6	+10	NW	3	c	57	65	45	9	5	-	-	9+	9+	3000
19	Birr Castle	22.9	+2	NNW	2	c	59	65	48	8	5	-	-	9	9	2500
20	Valentia Obey.	23.5	+12	NE'E	3	bc	65	65	53	8	5	-	-	2-3	2-3	4000
	Roches Point	22.6	+4	N	4	bc	62	65	59	8	1	-	-	2-3	2-3	4000

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	19.7	+10	N'W	2	c	59	55	42	7	2	3	-	1	9+	1500	1	*
Croydon	19.0	+6	NW	3	c	57	75	49	8	2	3	-	2-3	9+	2500	1	*
S. Farnborough	19.4	+8	NE'N	3	c	60	65	46	7	7	3	-	2-3	9	3500	0	*
Boscombe Down	20.3	+8	NNW	3	c	60	55	42	8	5	-	-	9	9	3500	0	*
Thorney Island	19.4	+6	N	2	c	61	55	45	8	7	3	-	4-6	7-8	4000	0	*
Lympne	19.2	+10	NNW	4	c/pr	54	85	48	7	2	6	-	4-6	10	2000	1	2
Manston	18.1	+10	NNW	4	c/pr	57	75	49	8	2	3	-	7-8	9+	2100	1	*
Shoeburyness	18.9	+12	N'W	2	in	55	85	40	8	5	2	-	10	10	4500	1	*
Felixstowe	16.1	+14	NW	3	c	57	85	51	8	8	-	-	9+	9+	2500	1	3
Gorleston	16.0	+6	N'W	4	c	57	65	44	7	8	4	-	4-6	7-8	1500	0	3
Mildenhall	18.2	+10	NNW	2	c/pr	53	92	51	8	8	6	-	2-3	9+	2500	1	*
Cranwell	19.9	+14	N'E	2	c	54	75	46	7	8	-	-	9+	9+	2500	1	*
Birmingham	20.3	+8	NW	3	bc	59	97	58	8	8	7	-	2-3	4-6	4000	1	*
Upper Heyford	19.7	+8	N	3	c	58	55	43	7	5	-	-	9	9	4500	0	*
Ross-on-Wye	20.4	+4	N	3	c	59	55	41	8	5	-	-	9	9	3500	1	*
Hartland Point	21.3	+4	NW	3	bc	59	75	51	8	1	4	-	1	2-3	3000	0	3
Bristol	20.6	+4	N'E	2	c	61	55	45	8	7	3	-	9	9+	4000	1	*
Portland Bill	20.1	+6	N	3	c	61	92	59	8	2	4	-	4-6	7-8	4000	1	2
Plymouth	21.3	+6	NNW	3	bc	63	55	49	8	7	-	-	2-3	2-3	3000	0	2
The Lizard	21.5	+4	N	4	c	62	65	51	8	2	6	-	7-8	7-8	2500	0	3
Scilly (St. Mary's)	22.8	+6	NW'N	3	c	62	75	53	8	8	3	-	2-3	9+	1400	0	3
Guernsey																	
Pembroke	22.2	+4	NW	3	bc	60	75	51	8	1	3	-	2-3	2-3	2500	0	3
Holyhead (Valley)	21.9	+6	NNW	4	bc	58	65	47	9	8	3	-	4-6	7-8	5000	1	3
Chester (Sealand)	20.8	+4	N'W	3	bc	59	55	43	8	8	6	-	4-6	4-6	4000	0	*
Manchester	20.4	+6	NW'N	2	z	56	75	47	6	4	3	-	7-8	9	2500	0	*
Spurn Head	19.2	+6	N'W	6	c	55	75	48	7	2	7	-	4-6	9+	1500	0	5
Catterick	21.0	+4	N	2	c/pr	55	75	47	7	8	3	-	7-8	9	5000	0	*
Tynemouth	20.9	+4	N	5	c	54	85	49	8	8	-	-	9	9	2000	1	3
St. Abbs Head	20.2	+2	NNW	1	c	54	65	42	8	5	4	-	4-6	7-8	3000	0	4
Leuchars	20.3	+2	E	2	c	56	65	46	8	5	-	-	7-8	7-8	3500	0	*
Renfrew (Abbots I.)	20.2	-2	NW'W	3	bc	61	65	41	9	5	-	-	2-3	2-3	4000	0	*
Eskdalemuir	20.0	0	NW'N	2	c	57	55	42	8	5	-	-	7-8	7-8	2800	0	*
Point of Ayre	21.5	+2	NNW	4	b	58	75	49	8	1	-	-	Tr	Tr	4000	0	4
Tiree	22.1	0	N'W	3	c	55	75	48	8	5	-	-	9	9	2800	0	3
Stornoway	22.6	+4	NNW	3	c	53	75	46	8	5	7	-	7-8	10	2500	1	1
Dalwhinnie	21.5	0	N	2	c	54	65	42	8	8	-	-	7-8	7-8	2500	0	*
Aberdeen	20.7	+4	N	3	c	55	75	46	8	7	-	-	9+	9+	2500	0	
Wick	20.8	+2	N'W	4	c	51	92	49	9	5	-	-	10	10	3000	1	*
Sumburgh	18.5	-2	NW	4	c	51	75	45	8	5	-	-	9+	9+	2000	0	2
Blacksod Point	25.9	+4	NNW	3	c	57	75	49	9	8	-	-	10	10	4000	0	3
Malin Head	23.3	+6	NNW	3	c	55	85	50	8	5	2	-	4-6	9+	2500	0	2
Aldergrove	23.2	+4	N'W	2	c	56	75	49	8	8	-	-	10	10	2000	1	*
Birr Castle	23.9	+4	NNW	1	c	59	65	47	8	5	1	-	7-8	10	2500	1	*
Valentia Obey.	24.3	+4	N'E	4	b	62	65	50	9	1	-	1	Tr	Tr	2500	0	
Roches Point	23.1	0	N	4	bc	64	65	52	9	1	-	-	2-3	2-3	4000	1	2

PAST 24 HOURS — WEATHER

Stations	7h.—13h. 4th (39)	13h.—18h. 4th (40)	18h. 4th to 1h. 5th (41)	1h.—7h. 5th (42)
London (Kew)	cY	cpscy	cyc	bcczW
Croydon	c	cp°c	cbcblow	bmowcmo
S. Farnborough	cbccy	cbcyc	czobw	bwcmo
Boscombe Down	c	bbccy	bcmoc	bcmobmo
Thorney Island	cbccy	cy	cbc	wcmobc
Lympne	bce	ccpr	cprob	bbccmo
Manston	bcmzc	cRc	cbczo	bczoc
Shoeburyness	ccy	igvirc	crofoc	c
Felixstowe	circ	cpgc	cprob,c	c
Gorleston	c	c	c	c
Mildenhall	cprc	cpgc	bcblmow	bmowcmo
Cranwell	ccirc	cprc	cbc	cmo
Birmingham	c	cbc	bc	bcm
Upper Heyford	ccy	cymcy	czoybmo	bcmocmo
Ross-on-Wye	bbcys	cbcc	c	cbw
Hartland Point	c	cbc	cbc	bcc
Bristol	bbccy	cy	cybc	bcb,cmo
Portland Bill	c	c	c	c
Plymouth	cmzc	cbc	b	bw
The Lizard	cbcy	bcc	bcb	bcc
Scilly (St. Mary's)	cbc	bcc	cbc	bcwc
Guernsey				
Pembroke	cbc	bc	bccw	c
Holyhead (Valley)	cirobc	bcyc	bcvbw	bwcroc
Chester (Sealand)	c	cbcc	cbcbw	
Manchester	czo	czc	cbmo	cmbcmo
Spurn Head	c	c	c	c
Catterick	c	ccpgc	czocmo	cmo
Tynemouth	c	c	c	cff
St. Abbs Head	cpr	cprc	co	oc
Leuchars	c	cyc	bcc	c
Renfrew (Abbots I.)	bccy	bcyb	bbcb	bcc
Eskdalemuir	c	c	cbc	bbcw
Point of Ayre	cbc	bc	b	bbcc
Tiree	circ	cbcc	c	c
Stornoway	cid.	c	c	cpro
Dalwhinnie	cy	c	b	co
Aberdeen	cpr	c	ciroc	c
Wick	c	c	cproc	c
Sumburgh	cprds	c,cpgc		cpro
Blacksod Point	c	c	c	c
Malin Head	d	d	r	r
Aldergrove	cwc	c	c	ccidoci.
Birr Castle	c	c		c
Valentia Obey.	bc	b	bc	bc
Roches Point	bc	bc	bc	bc

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

Districts	Forecast
1 S.E. England	Light Northwest winds backing West; fair; rather cool
2 E. England; 3 E. Midlands; 4 W. Midlands	Light to moderate northerly winds, backing slowly; mainly cloudy at first, improving; 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	As 1
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland	Light westerly wind backing Southwest moderate; mainly cloudy. Some drizzle on coasts and hills; rather cool.
14 Mid Scotland; 15 N.E. Scotland; 16 Orkneys and Shetlands	Moderate Northwest winds backing West to Southwest; mainly cloudy, a few light showers chiefly near the coast; rather cool
17 N. W. Ireland; 18 N. E. Ireland	As 12-13B.
19 S. E. Ireland; 20 S. W. Ireland	Light variable breeze; fair; average temperature.

GENERAL INFERENCE

An anticyclone centred westward of Ireland is drifting slowly south-southeast and will give fair weather in most districts. Conditions will become slowly warmer

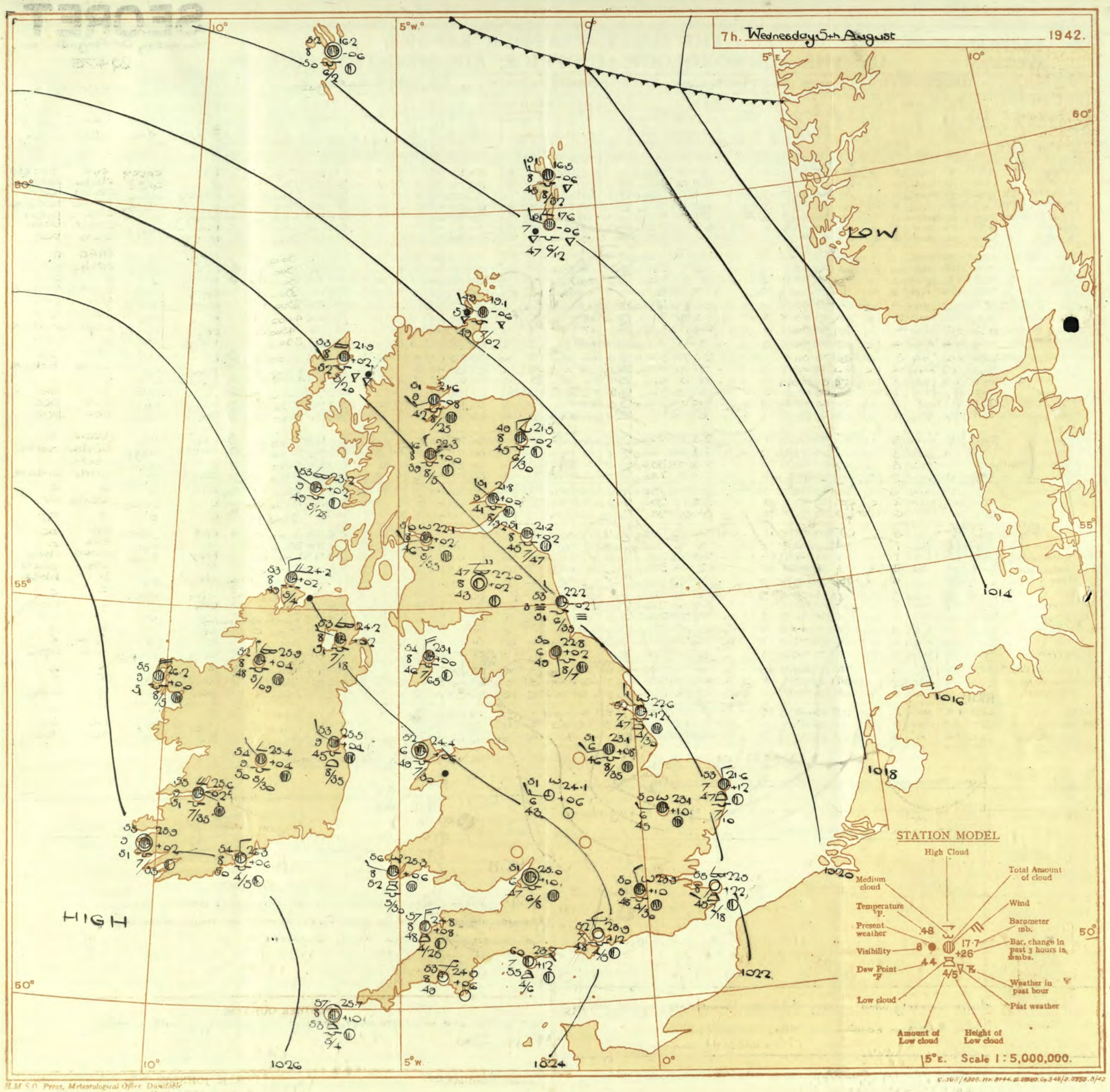
FURTHER OUTLOOK

Fair or fine and warmer over at least the southern half of the British Isles.

Forecasts issued at 1030.

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

7h. Wednesday 5th August 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Wednesday 5th August

1942.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55° N.

Statute Miles. 0 1 2 3 4 800

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Wednesday 5th August 1942 — No. 29476

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F (6)	Humid. % (7)	Dew Point. °F (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*				*	*	*	*	*	*	*
	Croydon ...	290	22·5	+12	–	0	b	46	97	46	7	–	–	–	0	0	–
	S. Farnborough	226	22·6	+10	–	0	b	49	85	46	7	–	–	–	0	0	–
	Boscombe Down	417	22·8	+10	N'W	2	c	48	79	42	7	5	–	–	9+	9+	5700
	Thorney Island	10	22·3	+12	N'W	2	bc	47	92	46	6	5	–	–	2·3	2·3	2500
	Lympne ...	283	21·7	+10	WNW	1	b	46	97	46	7	–	–	–	0	0	–
	Manston ...	154	20·9	+6	NNW	3	bc	53	75	46	6	9	–	–	4·6	4·6	1000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	21·0	+10	WNW	2	c	53	85	50	7	5	–	–	9	9	5800
	Gorleston ...	5	20·2	+4	NNW	3	Zo	54	75	48	6	8	–	–	9	9	1500
	Mildenhall ...	15	21·6	+6	WNW	2	Zo	44	97	43	6	3	–	–	1	1	4000
	Cranwell ...	203	22·3	+8	NW	2	Zo	49	85	45	6	–	3	–	0	7·8	–
3	Birmingham ...	538	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22·9	+12	NW	1	Zo	45	92	43	6	5	3	–	2·3	4·6	5700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	23·6	+6	N	3	bc	56	75	47	8	1	–	–	2·3	2·3	2900
	Bristol ...	209	23·5	+10	–	0	bc	51	85	46	7	5	–	–	7·8	7·8	4000
	Portland Bill ...	32	22·1	+10	NW	2	c	58	92	56	7	5	–	–	7·8	7·8	4000
	Plymouth ...	82	23·4	+6	NE	1	b	52	80	48	7	1	–	–	0	0	–
	The Lizard ...	240	23·9	+10	N	1	b	49	92	47	8	1	–	–	0	0	–
	Scilly (St. Mary's)	163	24·7	+2	NW	2	bc	54	92	52	8	8	–	–	4·6	4·6	1000
	Guernsey ...	175															
6	Pembroke ...	142	24·4	+6	N'W	2	c	53	85	49	8	5	–	–	7·8	7·8	3000
7	Holyhead (Valley)	32	23·9	+4	–	0	b	43	92	41	9	5	–	–	Tr	Tr	4000
	Chester (Sealand)	16	23·0	+6	W	1	b.	46	92	44	7	–	3	–	0	1	–
8	Manchester ...	235	22·3	+2	WSW	1	Zo	50	92	48	6	5	–	–	9	9	1700
10	Spurn Head ...	29	21·4	+10	NW'N	5	c	52	85	49	7	2	7	–	7·8	9+	1500
	Catterick ...	175	22·5	+2	–	0	Zo	49	97	49	6	5	7	–	4·6	9	4000
	Tynemouth ...	108	22·1	0	N	3	c	51	85	47	6	8	–	–	7·8	7·8	2500
11	St. Abbs Head	280	20·9	0	–	0	c	50	75	43	7	5	–	–	9	9	4000
	Leuchars ...	36	21·8	+2	W	1	c	50	85	47	8	5	–	–	9+	9+	3000
12	Renfrew (Abbotsl.)	19	21·8	+2	W	2	b	48	85	44	8	5	–	–	1	1	3500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	23·0	+4	NW	4	b	54	75	48	8	5	–	–	Tr	Tr	3800
13A	Tiree	22															
13B	Stornoway ...	80	22·8	0	NW	2	c	51	97	50	7	5	7	–	7·8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	21·8	+4	W'N	1	c	48	85	43	9	5	–	–	9+	9+	3500
	Wick ...	114	21·3	+2	NW	3	c	50	85	47	8	5	–	–	10	10	3000
16	Sumburgh ..	19	18·7	-2	NW	4	c	49	85	43	8	5	–	–	10	10	2000
17	Blacksod Point	18	26·5	+2	–	0	c	52	85	48	8	4	–	–	7·8	7·8	1500
18	Malin Head ...	84	24·2	+2	NW	2	bc/d	52	92	50	8	5	2	–	4·6	4·6	2500
	Aldergrove ...	268	24·5	+6	NW	1	c	52	85	47	8	5	–	–	7·8	10	1800
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	25·8	+6	–	0	bc	55	85	50	8	5	–	2	4·6	7·8	4000
	Roches Point	22	25·7	+6	NE	2	bc	54	85	50	8	5	–	5	2·3	4·6	2500

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

Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
24·4	+14	N'W	1	c	53	75	46	6	5	–	–	9	9	2500	1	*
23·9	+10	NW'N	2	Zo	50	92	48	5	5	3	–	4·6	9+	3000	0	*
24·5	+14	W'N	1	Zo	49	92	46	6	–	3	–	0	9+	–	0	*
24·4	+10	N	2	Zo	51	85	45	6	–	4	–	0	Tr	–	0	*
23·9	+12	NNW	1	bc	52	85	48	7	5	Tr	–	4·6	4·6	2500	0	*
23·6	+14	NW'N	2	Zo	50	92	48	6	8	–	–	9+	9+	3500	1	§2
22·5	+22	SW	2	c	55	65	45	8	2	7	–	1	9	1800	1	*
22·9	+10	NW	3	C	51	85	47	8	5	–	–	9+	9+	5500	1	*
22·7	+12	NW'N	3	c	54	85	48	7	5	–	–	9	9	6000	0	2
21·6	+12	NNE	2	c	53	75	47	7	8	–	–	9+	9+	1000	0	2
23·1	+10	WNW	1	Zo	50	85	45	6	1	3	–	0	9	–	0	*
23·1	+8	W'S	2	Zo	51	85	46	6	5	–	–	10	10	3500	0	*
24·1	+6	WNW	3	Zo	51	75	43	6	–	3	–	0	1	–	1	*
23·8	+6	WNW	3	Zo	50	85	45	6	5	–	–	7·8	7·8	3500	0	*
24·4	+10	W'N	1	bc	49	86	45	8	–	–	–	0	Tr	–	0	*
24·8	+8	N	3	c	57	75	48	8	2	4	–	4·6	7·8	2500	0	3
25·0	+10	–	0	Zo	51	85	47	6	5	–	–	9	9	7200	1	*
23·7	+10	NE	2	bc	60	85	58	7	2	–	–	4·6	4·6	4000	1	3
24·9	+6	NNE	1	b	53	85	49	8	1	–	–	0	0	–	0	2
25·2	+10	N	2	c	53	75	45	8	8	6	–	7·8	7·8	2500	0	3
25·7	+10	–	0	c	57	85	53	8	8	–	–	7·8	7·8	1200	0	2
25·3	+6	W'N	1	c	56	85	51	8	8	6	–	7·8	9	3000	0	1
24·4	+6	–	0	c	52	85	49	9	5	–	–	9+	9+	3000	0	*
23·8	+6	WNW	3	bc	55	75	47	8	7	–	–	4·6	4·6	4000	0	*
23·3	+6	S	2	Zo	51	97	49	6	5	–	–	9+	9+	2500	0	*
22·6	+12	NW	3	c	52	85	47	7	7	3	–	4·6	9	2500	0	3
22·8	+2	SSE	1	Zo	50	97	49	6	5	–	–	10	10	5000	0	*
22·2	-2	NW	1	cf	53	92	51	3	5	–	–	9	9	2500	1	2
21·2	+2	–	0	c	51	75	45	8	5	–	–	9+	9+	4700	0	3
21·8	0	NW	1	C	51	75	40	9	5	3	–	7·8	9	3000	0	*
22·1	+2	W	2	C	50	85	46	8	5	3	–	7·8	9	5500	0	*
22·0	+2	–	0	bc	47	85	43	8	–	7	2	0	2·3	–	0	*
23·1	0	NNW	4	c	54	75	46	8	5	–	–	9+	9+	6500	0	4
23·2	+2	NW'W	2	c	53	75	49	9	5	7	–	7·8	9	2800	0	3
21·9	+2	W	2	c/pr	53	97	52	8	5	7	–	7·8	10	2000	1	1
22·3	0	NNW	1	0	46	75	39	8	5	–	–	10	10	2500	0	*
21·5	-2	NNW	2	c	49	85	45	8	5	4	–	9	9+	3000	0	2
20·1	-6	NW	3	c	51	85	48	9	5	–	–	9	10	4000	1	*
17·6	-6	WNW	3	pr	51	85	47	7	5	2	–	9	10	1200	0	2
26·2	0	N'E	4	c	55	85	51	9	5	–	–	10	10	2500	0	1
24·2	+2	NNW	1	c	53	85	49	8	6	2	–	7·8	9	1500	1	2
24·2	+2	WNW	2	c/d	53	92	49	8	5	7	–	9+	9+	1800	1	*
25·4	+4	NW	1	c	54	85	50	9	5	1	–	7·8	10	2500	1	*
25·9	+2	–	0	c	55	85	51	9	5	–	–	9+	9+	4000	0	1
26·3	+6	N	2	bc	54	85	50	8	5	–	–	4·6	4·6	2500	0	2

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 4th Hrs. (38)
60	47	32	Tr	–	0·3
62	43	40	Tr	Tr	1·0
63	45	37	–	–	2·4
63	45	38	–	–	7·2
65	44	40	–	Tr	*
60	45	Tr	0·1	–	3·5
61	52	49	Tr	Tr	2·9
64	45	41	0·1	Tr	1·1
62	48	46	–	Tr	1·0
61	48	48	–	–	4·3
57	43	39	–	0·3	0·4
		32	0·2	Tr	0·8
62	45	32	–	–	*
62	45	40	–	–	*
62	44	37	–	–	8·0
62	54	52	–	–	8·7
62	47	35	–	–	5·5
62	63	*	–	–	*
65	48	43	–	–	5·4
67	49	*	–	–	9·9
67	52	*	–	–	9·9
63	46	*	–	–	8·9
63	43	33	–	–	*
62	45	35	–	–	6·2
60	46	42	–	–	*
56	50	*	Tr	Tr	0·0
56	48	43	–	–	0·2
55	50	47	–	–	*
58	51	*	0·1	–	*
55	49	*	0·1	0·1	0·3
57	44	42	–	–	3·3
57	47	45	Tr	–	1·8
51	46		Tr	Tr	*
58	46	45	Tr	Tr	0·3
59	50	*	–	–	*
57	50		0·6	0·4	1·5
59	51	49	–	Tr	2·0
60	51	50	–	–	0·8
65	52	45	–	Tr	12·3
65	53	*	–	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 4th August ... 18h. G.M.T. | 01h. G.M.T. 5th August ... 07h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
1068-	02955	29405	5-	02967	27417	5-	02868	26428	5-	81517	26288
115						52	10344	25427			
2035-	02947	32327	5-	02948	32228	5-	02948	28328			
2065-	02968	00228	5-	02967	28327	5-	02967	00027	5-	02958	22328
21053	02965	29427	5-	02945	30328	5-	02958	26328	5-	02954	20328
22953	01954	32314	50	25856	30386				52	03746	28428
23057	02965	29226	57	00953	26323	5-	01954	28314	53	02965	28326
2455-	02967	31357				5-	02968	28128	50	02962	24216
2608-	02870	25225	70	02865	04215	57	05644	02115	57	05565	24116
27870	01954	31414	74	00952	29512	05	00841	26301	53	02953	23227
27983	02964	24227	70	02875	20225	5-	02876	00026	73	02764	27125
28527	03855	30428							53	01854	28315
2885-	02744	62087	53	02776	30367	5-	47366	00046	5-	05678	17128
5755-	02968	00028	7-	02858	30228	53	02855	32328	57	02835	30127
3018-	02954	30227	73	02874	30325	03	05960	30201			
32187	25857	31487	8-	02767	30427	5-	02767	28127			
29080	02757	30427	84	02784	30515				54	02754	28215
29281	02765	31228	83	05665	32287	5-	05666	00026	5-	05668	00028
310—	01635	32415									
6148-	81655	02388	86	05564	02226	5-	05677	00027	07	05590	20127

13h. G.M.T. 4th August ... 18h. G.M.T. | 01h. G.M.T. 5th August ... 07h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
3388-	01963	28213	23	01963	20314	00	00890	00000	8-	02367	00087
334--	02753	04214	--	02763	04214						
3407-	01775	30325	7-	02875	30315	50	00871	31111	50	00973	20113
1368-	81755	02466	86	02844	32587	8-	25857	30387	5-	02867	28287
33650	01794	04314	53	02784	32516				13	01752	02313
3508-	81767	30487	8-	02754	02327	50	02676	22116	5-	05678	24128
36883	02854	28227	73	02863	04127	50	00663	30213	5-	01665	00025
378-	01754	30414	53	02764	28315	07	05630	28213	50	05652	28302
3968-	02754	26327	83	22746	30467	50	05662	30102	5-	05667	00017
38273	02964	31325	87	01762	03224	50	05564	00004	03	05690	00025
43887	02664	30328	5-	02737	30327				43	02753	32218
4307-	02777	28327	13	02862	26226	03	01690	00013	5-	02775	26125
40910	05961	01425	26	02956	31327	00	00790	32200	5-	02967	02217

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning 5th August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	cy	cprcCy		
Croydon ...	c	cprc	bmowcmo	
Greenwich ...	cy	cy	cbc	Kew 24 hours ended 7h.
Camden Square	c	c	*	Max. Time
Kensington ...	cbcbc	bc	*	0·1 16–22h 4th
Hampstead ...	0	bc		Min. Time
				10·1 8–15h 4th

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	60			Tr			*	*
Croydon ...	62	43	40	Tr	Tr	1·0	*	*
Greenwich ...	61	48	34	–	–	0·5	58	58
Westminster ..	63	50	45	–	–	0·0	65	70
Regents Park ...	62	46	36	–	–	0·0	69	67
Camden Square	62	48	41	–	–	*	*	91
Kensington ..	62	47	39	–	–		65	68
Hampstead ...	59	46	41	Tr	–		*	75

SECRET

Page 1

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

Thursday 6th August 1942 — No. 29477

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	24·6	+2	WNW	2	c	62	45	40	7	5	-	-	9+	9+	5700
	Croydon ...	23·9	-2	WNW	2	c	62	55	47	7	7	3	-	7-8	10	6000
	S. Farnborough	24·3	-2	NW	2	c	64	46	43	8	7	7	-	7-8	9+	3000
	Boscombe Down	24·5	+4	W	2	c	62	55	44	7	8	6	-	4-6	10	2500
	Thorney Island	24·8	+4	S.E.	1	c	65	45	45	8	2	6	3	2-3	7-8	4000
	Lympne ...	24·1	+4	NNW	3	bc	59	55	44	8	2	6	-	2-3	4-6	3500
	Manston ...	23·7	+4	N'W	1	c	59	66	46	8	7	-	-	9+	9+	6500
2	Shoeburyness ...	23·8	0	NW	2	c	61	55	46	8	0	-	-	9+	9+	5500
	Felixstowe ...	23·4	+4	NNW	2	c	60	65	47	8	5	-	-	10	10	4000
	Gorleston ...	23·4	+6	N	3	c	59	55	43	8	5	4	-	7-8	9+	1500
	Mildenhall ...	23·3	-2	WNW	2	c	62	55	49	7	7	-	-	4-6	9+	2500
	Cranwell ...	22·3	-8	W	3	c	62	55	44	7	8	-	-	9+	9+	7000
3	Birmingham ...	23·8	0	WNW	3	c	60	65	48	8	7	-	-	7-8	9	4000
	Upper Heyford	23·7	-2	W'S	3	c	63	45	42	8	5	3	-	9+	10	2800
4	Ross-on-Wye	24·0	0	WNW	2	c	62	55	46	8	5	-	-	9+	9+	4000
5	Hartland Point	25·6	+6	NW	1	c	62	65	57	8	2	7	-	4-6	7-8	2500
	Bristol ...	24·8	-1	W	2	c	63	55	48	8	1	6	-	7-8	7-8	4000
	Portland Bill ...	24·9	+2	S	2	bc	64	86	59	8	1	-	-	4-6	4-6	4000
	Plymouth ...	25·2	+2	NNW	2	c	64	65	48	8	1	-	1	9	9	3000
	The Lizard ...	25·6	+4	WSW	3	c	63	75	52	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	26·2	0	SW'W	2	bc	67	55	48	8	5	3	1	2-3	4-6	1800
	Guernsey ...															
6	Pembroke ...	25·8	+4	WNW	1	bc	61	66	50	8	8	7	-	4-6	7-8	3000
7	Holyhead (Valley)	24·8	+2	W	2	bc	61	55	46	9	2	3	1	2-3	4-6	3000
	Chester (Sealand)	23·9	-2	NW	4	c	59	65	47	8	1	-	6	7-8	9+	3000
8	Manchester ...	23·4	-2	W'N	4	c	58	75	48	7	8	3	-	7-8	9+	2500
10	Spurn Head ...	23·5	-6	WSW	2	c	61	65	47	6	7	7	-	7-8	10	4000
	Catterick ...	22·0	-4	W'N	3	c	60	55	46	8	1	3	-	7-8	9	3500
	Tynemouth ...	22·4	0	E	2	c	58	85	53	6	8	-	-	9	9	2600
11	St. Abbs Head	21·5	0	N	1	c	53	65	53	7	5	4	-	4-6	7-8	4000
	Leuchars ...	21·1	-6	NW	2	c	61	55	43	9	1	3	2	2-3	7-8	4000
12	Renfrew (Abbotsl.)	22·1	0	NW'W	3	c	62	55	45	9	1	7	-	4-6	9	3500
	Eskdalemuir ...	21·5	+2	WNW	2	c	58	65	46	8	5	3	-	7-8	9+	2900
	Point of Ayre ...	23·5	+2	NW'N	4	bc	60	65	48	8	4	4	9	1	2-3	2500
13A	Tiree	23·2	0	NW'N	3	c	58	75	50	8	5	-	-	9	9	2800
13B	Stornoway ...	21·4	0	WNW	4	c/pr	59	85	48	8	6	7	-	7-8	9+	2500
15	Dalwhinnie ...	21·5	-4	NW	2	c	55	65	45	8	5	-	-	9+	9+	2500
	Aberdeen ...	20·4	-4	NNW	3	c/pr	59	65	48	9	8	-	5	9+	9+	2500
	Wick ...	20·0	+2	NNW	3	c	58	92	56	8	8	3	-	4-6	7-8	2000
16	Sumburgh ...	16·4	-4	N'N	4	c	53	92	50	8	5	-	-	9	10	300
17	Blacksod Point	25·8	-4	NW'W	1	c	60	65	49	9	8	-	-	10	10	2500
18	Malin Head ...	24·2	+2	N'W	2	c	57	75	49	8	8	2	-	4-6	9	2500
	Aldergrove ...	24·8	+2	NW'W	2	c	58	65	48	8	8	-	-	10	10	2000
19	Birr Castle ...	25·6	0	NW	1	c	59	65	47	8	8	1	-	7-8	10	1500
20	Valentia Obsy.	25·3	-6	SW'S	2	c	66	65	54	8	7	-	-	9+	9+	4000
	Roches Point	26·2	0	S	2	c	62	75	54	8	6	-	-	7-8	7-8	2500

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	23·5	-3	WSW	2	c	63	55	44	7	5	-	-	9+	9+	2500	1	*
	Croydon ...	23·9	-2	SSW	1	c	62	65	48	7	5	-	-	9+	9+	6500	0	*
	S. Farnborough	24·0	0	WSW	2	c	63	55	48	7	7	7	-	4-6	9+	2500	0	*
	Boscombe Down	24·3	+4	W'N	3	c	63	55	48	7	8	3	-	4-6	7-8	4000	0	*
	Thorney Island	24·6	0	SW	3	bc	61	65	49	8	5	-	-	4-6	4-6	4000	0	*
	Lympne ...	24·2	0	WNW	2	bc	58	65	47	7	5	-	-	10	10	5000	1	*
	Manston ...	24·0	+2	-	0	c	60	65	48	7	5	-	-	9+	9+	4500	0	*
2	Shoeburyness ...	24·0	0	NW	1	c	62	65	49	7	6	3	-	9+	9+	7500	1	*
	Felixstowe ...	23·5	+2	W	2	c	61	55	46	7	5	2	-	7-8	10	5700	0	*
	Gorleston ...	23·7	+4	S	3	c	58	65	47	7	5	-	-	10	10	1300	0	2
	Mildenhall ...	23·0	-2	W	2	c	61	65	50	8	5	3	-	4-6	9+	3000	0	*
	Cranwell ...	22·8	+2	WNW	2	c	60	65	45	7	-	3	9	0	9+	-	0	*
3	Birmingham ...	23·7	0	WNW	3	c	60	55	45	8	5	7	-	7-8	9	4000	1	*
	Upper Heyford	23·5	0	W	3	c	63	55	45	8	5	3	-	4-6	7-8	4000	0	*
4	Ross-on-Wye	23·8	0	WNW	3	c	62	65	49	8	5	-	-	7-8	7-8	4000	0	*
5	Hartland Point	25·5	0	WNW	2	bc	62	65	57	9	2	4	-	2-3	4-6	2500	0	2
	Bristol ...	24·7	0	W	4	c	62	65	51	8	5	5	-	7-8	9+	4000	0	*
	Portland Bill ...	24·5	-2	SW	2	c	62	85	54	8	2	-	-	9	9	4000	1	2
	Plymouth ...	25·2	+2	NW	3	c	63	65	49	8	7	3	-	7-8	9	3000	0	2
	The Lizard ...	25·7	0	W'N	2	bc	63	75	54	8	8	4	-	4-6	4-6	2500	0	2
	Scilly (St. Mary's)	26·3	-2	W'N	2	bc	65	65	53	8	7	4	4	4-6	4-6	1800	0	2
6	Pembroke ...	25·7	+2	NW'W	3	bc	59	65	46	8	8	4	-	2-3	4-6	3000	0	1
7	Holyhead (Valley)	24·7	-2	W	3	c	58	65	46	9	8	-	-	9+	9+	5000	0	1
	Chester (Sealand)	24·0	+2	NW'N	4	c	59	65	48	8	7	6	1	4-6	7-8	4500	0	*
8	Manchester ...	23·5	-2	W	4	c	57	75	50	8	4	3	-	7-8	9+	4000	0	*
10	Spurn Head ...	22·3	+2	WNW	4	2c	60	65	48	6	7	7	-	4-6	9+	4000	0	3
	Catterick ...	22·0	+4	WNW	3	c	60	65	45	8	7	3	-	7-8	9	3000	0	*
	Tynemouth ...	22·7	0	ENE	2	c	55	85	50	8	8	-	-	9	9	2500	1	3
11	St. Abbs Head	20·7	-2	SSE	3	c	61	85	57	7	5	5	-	4-6	7-8	5000	0	2
	Leuchars ...	20·1	0	W	2	c	64	55	46	9	7	3	-	7-8	9	5000	0	*
12	Renfrew (Abbotsl.)	21·9	0	NW	4	bc	60	75	51	8	7	7	8	4-6	7-8	3000	0	*
	Eskdalemuir ...	21·7	0	WNW	2	c	56	65	45	8	5	-	-	9+	9+	2200	0	*
	Point of Ayre ...	23·5	0	NW	4	c	59	75	51	8	5	4	9	4-6	9+	4500	0	4
13A	Tiree	23·3	0	NNW	3	c	56	75	47	8	5	-	-	7-8	7-8	3500	0	3
13B	Stornoway ...	21·4	0	WNW	4	c	56	75	48	8	5	7	-	7-8	9+	2500	1	2
15	Dalwhinnie ...	21·8	0	WNW	2	c	54	75	46	8	5	-	-	9+	9+	2500	0	*
	Aberdeen ...	21·2	-2	NNW	3	c	59	65	47	8	7	-	-	9	9	3000	0	2
	Wick ...	19·8	-4	NW	4	c	55	87	54	9	5	3	-	4-6	9	1500	0	*
16	Sumburgh ...	16·5	-2	WNW	3	c/pr	53	92	51	8	8	-	-	9	9	2500	1	2
17	Blacksod Point	25·2	-6	NW	1	c	59	65	47	9	5	3	6	4-6	9+	4000	0	1
18	Malin Head ...	24·1	+2	NW	3	c	57	75	49	8	8	2	-	7-8	10	2500	1	2
	Aldergrove ...	24·5	0	NW	1	c	58	75	49	9	8	-	-	9+	9+	2500	1	*
19	Birr Castle ...	24·9	-2	NW	1	c	61	65	49	8	5	1	-	7-8	9+	2500	1	*
20	Valentia Obsy.	24·1	-6	SW'W	3	c	62	75	54	8	5	7	-	7-8	9+	1500	0	2
	Roches Point	25·3	-10	SW	3	bc	64	75	56	8	5	-	5	1-6	1-6	2500	1	3

PAST 24 HOURS.

Weather. 7h.—13h. 5th (39)	13h.—18h. 5th (40)	18h. 5th to 1h. 6th (41)	1h.–7h. 6th (42)
cz cy	cy	cybccw	cmow
cbccz0	cyc	cbcc	ccm0
cz0bccy	cy	cybccbw	bwc
bcyc	bccy	bcm0	bcfgc
bccy	cbcybc	bc	bcmow
cbcbcy	cyc	c	ccm0
bcc	c	cbcm0cm0	cm0
cbcc	cyc	bc	c
c	c	cybcm0cm0	cbcbm0
bccy	c	cbcz0	bcm0
cm0c	cyc	cbcbm0w	bbccm0w
cz0c	cy	bbcm0	bccm0
cbc	cbcc	c	c
cm0bcc	cy	cybcbm0	bccm0c
bbcc	cy	bcy	c
c	cbc	bcc	cbcc
cm0bc	cybcc	cbcbw	bcw
bcbc	cc	cbc	c
bbccy	cyc	bbccm0	cm0c
c	cbc	bcc	c
cbcy	bc	cbc	bcc
bcc	bc	cbc	c
c	becvy	cbc,c	c
bc	cbcy	cm0	cm0
cm0z0	c	b	cm0
cm0	cm0	c	c
cm0bccy	cy	c	cm0
cffc	c	cbc	cbccm0c
cm0c	c	cycbc	c
cy	cy	bcc	co
cy	cycbc	bcc	cbc
bcbc	c	c	c
cbc	bcc		
c	c	cc	c
cpr0	cpr0	c	c
cc	c	c	co
cpr0	cpr0	cc	c
cidoc	cid0c	cidododoc	dodo6dodoc
cpr0c	cpr0c	cidoc	cilo c
c	c	bc	r
cpr0	r	c	c
cc0c	a	c	c
c	c		c
c	c	bc	c
bc	c	c	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 6th August 1942.

Districts	
1 S.E. England	Light Southwest wind backing South; fair but with considerable cloud at times, bright intervals; temperature rising to average during day.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13A W. Scotland ...	Light West wind; cloudy, slight rain or drizzle at times; moderate temperature.
13B N.W. Scotland	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands	As 13A - 15
17 N.W. Ireland	
18 N.E. Ireland	As 1 - 12
19 S.E. Ireland	
20 S.W. Ireland	

GENERAL INFERENCE

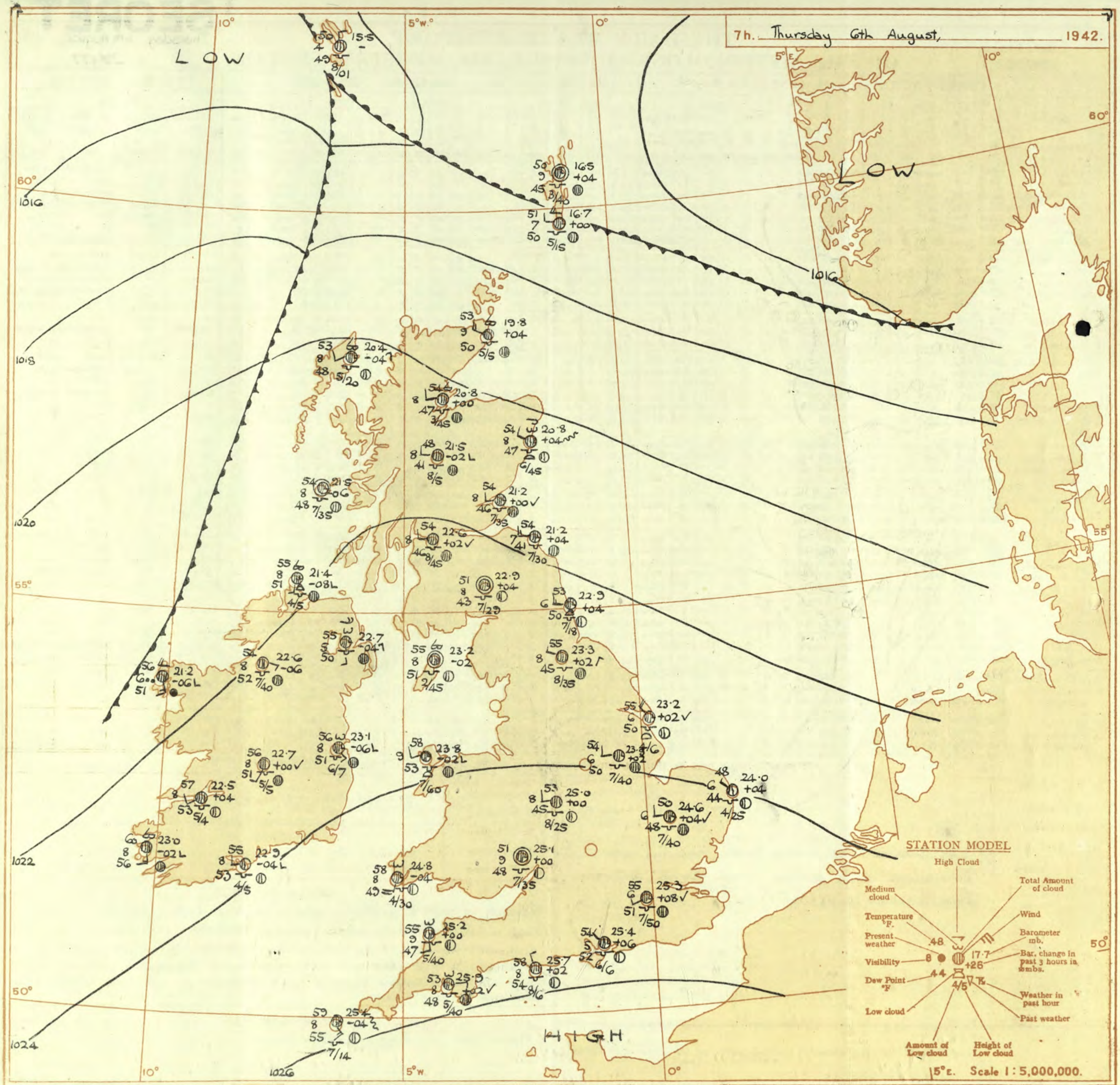
Pressure is high to Southward and a ridge of high pressure is moving East across the British Isles. A shallow depression over Iceland will move southeast. Weather will be cloudy in Scotland with slight rain or drizzle at times in the West and North. Elsewhere the weather will be fair though with considerable cloud at times; temperature will rise to about the seasonal average today.

FURTHER OUTLOOK

Mainly fair or fine; rather warm.

Forecasts issued at 10-30.

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

Morning of

Thursday 6th August

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 600

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Thursday 6th August 1942

No. 29477

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F (6)	Humid. % (7)	Dew Point °F (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon	290	24·5	-2	NW	1	c	55	85	51	7	5	-	-	9	9	3000
	S. Farnborough	226	24·9	+2	W'N	1	b	52	92	49	7	5	-	-	1	1	4500
	Boscombe Down	417	25·3	+4	W'N	2	zo	51	92	48	6	-	-	-	0	0	-
	Thorney Island	10	24·9	0	SW	2	bc	55	92	53	7	5	-	-	2·3	2·3	4500
	Lympne	283	24·8	0	NW	1	c	55	85	50	7	5	-	-	9	9	5000
	Manston	154	24·7	+2	WSW	2	zo	54	85	50	6	5	-	-	7·8	7·8	4000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	24·1	0	WNW	1	zo	56	85	50	6	5	-	-	9	9	5700
	Gorleston	5	23·7	0	WNW	2	zo	52	75	46	6	-	4	-	0	2·3	-
	Mildenhall	15	23·9	+2	WSW	2	b	49	85	45	6	5	-	-	Tr	Tr	4000
	Cranwell	203	23·5	-2	W	3	zo	50	92	47	6	-	4	1	0	4·6	-
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24·8	+4	NW	1	zo	47	85	43	6	5	3	-	2·3	4·6	5000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25·5	0	NE	2	c	57	75	46	8	5	-	-	9+	9+	2500
	Bristol	209	25·5	+2	W	1	b	50	85	46	7	-	-	-	0	0	-
	Portland Bill	32	25·3	+6	NNE	4	bc	58	85	53	8	5	-	-	4·6	4·6	4000
	Plymouth	82	26·0	+2	-	0	c	51	85	49	6	5	-	-	9+	9+	2500
	The Lizard	240	26·3	0	-	0	c	55	85	51	8	8	6	-	7·8	7·8	1500
	Scilly (St. Mary's)	163	26·2	-2	SW	2	bc	56	85	52	7	5	-	-	2·3	2·3	1800
	Guernsey	175															
6	Pembroke	142	25·6	-4	SSW	2	bc	56	85	51	8	8	-	-	4·6	4·6	3000
7	Holyhead (Valley)	32	24·5	-2	W	2	c	57	85	53	8	5	-	-	10	10	4700
	Chester (Sealand)	16	24·1	-2	WSW	1	c	55	85	49	7	5	-	-	10	10	4500
8	Manchester	235	24·0	+2	SSW	2	zo	52	92	50	6	5	-	-	9	9	3700
10	Spurn Head	29	22·8	0	W'N	4	b	54	85	50	7	-	4	-	0	1	-
	Catterick	175	23·0	-2	-	0	c	55	85	49	7	5	-	-	9+	9+	4200
	Tynemouth	108	22·3	-2	W	2	c	55	85	51	6	8	-	-	7·8	7·8	2500
11	St. Abbs Head	280	20·4	0	WNW	3	bc	55	75	48	7	5	-	-	4·6	4·6	4000
	Leuchars	36	21·2	+2	NNW	1	c	55	75	46	8	5	-	-	9+	9+	3200
12	Renfrew (Abbots I.)	19	22·4	0	NN'W	2	c	53	85	48	8	5	-	-	10	10	4700
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	23·7	0	NNW	2	c	56	85	50	8	5	1	-	9	10	4600
13A	Tiree	22	22·3	-6	-	0	c	53	85	47	8	5	-	-	9+	9+	3500
13B	Stornoway	80	20·8	-4	W	3	c	53	85	49	7	5	7	-	7·8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	20·4	-2	W'N	3	c	53	75	46	9	5	-	-	9+	9+	3000
	Wick	114	19·8	0	NW	3	c	53	85	47	7	5	-	-	10	10	1000
16	Sumburgh	19	16·5	-4	WNW	2	c	51	85	47	7	5	-	-	7·8	9	1800
17	Blacksod Point	18	23·2	-8	-	0	bc	54	85	50	8	8	-	-	4·6	4·6	4000
18	Malin Head	84	23·3	-6	W'N	2	c	53	85	49	8	8	-	-	9+	9+	2500
	Aldergrove	268	24·1	-4	-	0	c	59	92	56	8	5	-	-	10	10	3000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·4	-4	S	2	c	56	85	51	8	5	-	-	9+	9+	4000
	Roches Point	22	24·3	-4	SW'S	2	bc	59	97	58	8	5	-	-	2·3	2·3	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	Humid. % (22)	Dew Point °F (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 5th Hrs. (38)
London (Kew)	25·2	+8	-	0	zo	56	85	50	6	5	-	-	9+	9+	2500	1	*	64	53	44	-	-	1·8
Croydon	25·3	+8	SW	1	zo	55	85	51	6	5	-	-	9+	9+	5000	0	*	65	51	50	-	-	2·7
S. Farnborough	25·7	+6	W'S	1	c	52	85	48	7	-	3	-	0	9+	-	1	*	65	49	43	-	-	2·6
Boscombe Down	25·7	+4	NW	1	c	48	92	47	8	5	-	-	9+	9+	3000	0	*	65	45	35	-	-	7·8
Thorney Island	25·4	+6	W'N	1	zo	54	92	52	5	5	-	-	9	9	4000	0	*	65	49	44	-	-	*
Lympne	25·7	+12	NW	1	zo	53	92	51	6	5	-	-	9+	9+	5500	1	§ 1	61	50		-	-	4·2
Manston	25·1	+8	-	0	zo	56	85	50	6	5	-	-	9+	9+	6500	0	*	62	52	48	-	-	2·8
Shoeburyness	25·1	+6	NW	1	c	55	85	49	6	5	-	-	9+	9+	7500	1	*	63	51	46	-	-	1·7
Felixstowe	24·8	+6	WNW	2	zo	54	85	47	6	-	-	-	0	0	-	0	1	63	51	47	-	-	1·3
Gorleston	24·0	+4	WNW	2	zo	48	85	44	6	5	-	-	4·6	4·6	2500	0	2	61	47	44	-	-	1·9
Mildenhall	24·6	+4	WSW	2	zo	50	92	48	6	5	-	-	9+	9+	4000	1	*	-	45	35	-	Tr	2·6
Cranwell	23·9	+2	WSW	2	zo	54	85	50	6	5	-	-	9+	9+	4000	0	*	*	47	*	-	-	1·5
Birmingham	25·0	0	SW	2	c	53	75	46	8	5	-	-	10	10	2500	1	*	63	50	38	-	-	5·3
Upper Heyford	25·1	+2	W	1	c	53	85	47	8	5	-	-	9+	9+	3500	0	*	65	46	39	-	-	[illegible]
Ross-on-Wye	25·1	0	-	0	c	51	85	48	9	5	-	-	9+	9+	3500	0	*	65	47	40	-	-	8·2
Hartland Point	25·2	0	SSE	2	c	55	75	47	9	5	4	-	7·8	9	4000	0	2	63	53	48	-	-	4·7
Bristol	26·0	+2	-	0	c	52	92	50	7	5	-	-	9	9	5000	0	*	66	43	31	-	-	6·4
Portland Bill	25·7	+2	NW	2	c	58	85	54	8	5	-	-	10	10	4000	1	2	69	64	*	-	-	*
Plymouth	25·9	+2	E	1	c	53	85	48	8	5	3	-	7·8	9+	4000	0	2	65	48	43	-	-	-
The Lizard	25·4	0	-	0	c	57	85	53	8	8	2	-	7·8	9+	1500	0	2	66	53	*	-	-	3·8
Scilly (St. Mary's)	25·4	-4	S'E	3	c	59	85	53	8	5	-	-	9+	9+	1400	0	2	68	55	*	-	-	7·7
Guernsey																							
Pembroke	24·8	-4	S'W	4	c	58	75	49	8	5	3	-	4·6	9+	3000	0	3	63	52		-	-	9·8
Holyhead (Valley)	23·8	-2	SWS	2	c	58	85	53	9	7	-	-	9+	9+	6000	0	1	63	55	50	-	-	*
Chester (Sealand)	23·7	+2	-	0	c	55	85	51	7	5	-	-	10	10	5000	0	*	61	54	49	-	-	6·8
Manchester	23·9	+2	S	2	zo	52	92	50	6	5	-	-	10	10	2500	0	*	59	52	50	-	-	*
Spurn Head	23·2	+2	W'N	4	zo	55	85	50	6	7	3	-	4·6	9	4000	0	3	62	52		-	-	0·7
Catterick	23·3	+2	W'N	1	c	55	65	38	8	5	-	-	10	10	3500	0	*	63	53	51	-	-	4·3
Tynemouth	22·9	+4	WNW	3	c	53	85	50	6	8	-	-	9+	9+	1800	1	2	59	52	·50	-	-	*
St. Abbs Head	21·2	+4	W	3	c	54	65	41	7	5	-	-	9+	9+	3000	0	3	62	53		-	-	
Leuchars	21·2	0	WSW	2	c	54	75	46	8	5	-	-	9+	9+	3500	0	*	66	52	48		-	4·3
Renfrew (Abbots I.)	22·6	+2	WSW	2	c	54	75	46	8	5	-	-	10	10	4500	0	*	63	51	49	-	-	3·3
Eskdalemuir	22·9	+4	-	0	c	51	75	43	8	5	-	-	9+	9+	2900	0	*	58	46	38	-	-	2·3
Point of Ayre	23·2	-2	-	0	c	55	85	51	8	5	7	-	1	10	4500	0	1	62	53	*	-	-	4·4
Tiree	21·5	-6	-	0	c	54	85	48	8	5	-	-	9+	9+	3500	0	2	60	52	*	-	-	0·7
Stornoway	20·4	-4	SW	2	c	53	85	48	8	5	7	-	7·8	9	2000	1	1	59	49	*	0·1	-	0·5
Dalwhinnie	21·5	-2	W	2	o	48	75	41	8	5	-	-	10	10	2500	0		59	48	48	-	-	0·5
Aberdeen †	20·8	+4	WNW	2	c	54	75	47	8	7	3	3	9	9+	4500	0	1	61	53	51	Tr	-	0·6
Wick	19·8	+4	WNW	3	c	53	92	50	9	5	7	-	7·8	10	2500	1		59	50	49	Tr	6·2	*
Sumburgh	16·7	0	W	2	c	51	97	50	7	5	2	-	7·8	9+	1500	1		55	49	46	0·6	0·1	1·1
Blacksod Point	21·2	-6	SSE	3	roro	56	85	51	6	6	2	-	2·3	10	800	1	2	61		*	-	0·2	
Malin Head	21·4	-8	S	1	c	55	85	50	8	8	7	-	4·6	9	2500	1	1	58	51		1	-	1·5
Aldergrove	22·7	-4	S'E	1	c	55	85	50	7	5	3	2	7·8	9+	5000	1	*	59	51	50	-	-	0·4
Birr Castle	22·7	0	SSW	1	c	56	85	51	8	5	-	-	7·8	7·8	2500	1	*	62	52	48	-	-	0·3
Valentia Obsy.	23·0	-2	S'E	3	c	60	85	55	8	5	7	-	7·8	10	2500	0	2	67	54	48	-	Tr	2·1
Roches Point	22·8	-4	WSW	1	bc	55	92	53	8	5	-	-	4·6	4·6	2500	1	2	64	55	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 5th August 18h. G.M.T. — 01h. G.M.T. 6th August 07h. G.M.T.

III	13h $C_L C_M$	13h $wwVhN_h$	13h DDFWN	18h $C_L C_M$	18h $wwVhN_h$	18h DDFWN	01h $C_L C_M$	01h $wwVhN_h$	01h DDFWN	07h $C_L C_M$	07h $wwVhN_h$	07h DDFWN
109	8-	51747	26557	5-	51638	26468	5-	51638	24558	52	51536	25458
115				52	81844	24487	52	81734	26487			
203							5-	02948	20328			
206	5-	02968	26258	71	02966	26328	5-	01864	24214	57	02863	22228
210	8-	51845	26487	57	02965	23327	5-	02867	22327	57	02978	20328
220	57	02854	26318	57	02853	26218						
230	52	51957	26358	82	51957	28358	5-	02958	24128	5-	02968	00028
245	53	02966	18217	53	02967	16257	54	02765	23215	5-	02977	26117
260	73	02764	08115	5-	02865	20226	5-	05658	20128	5-	02766	20116
278	53	02955	26525	7-	02957	27427	5-	02868	25328	5-	02867	10227
279	87	02964	24227	73	02965	28326	5-	02865	24225	5-	02867	28227
285	23	02855	24427							5-	02857	24427
288	--	02866	18226	53	01663	02325	5-	05667	17227	5-	02877	20128
575	7-	02857	20227	7-	02965	28225	5-	02857	06127	5-	02867	10127
301	7-	02954	24427	83	02954	26427	5-	02868	28328	5-	02768	30228
321	23	05653	26424	83	02856	24326	50	05663	24213	5-	05667	26227
299	5-	03768	10128	80	02755	24114	00	00730	00000			
292	23	02955	21326	43	02863	25226	5-	02768	00018	53	02967	25228
310	--	01635	24325							--	03628	24428
614	87	05565	26226	57	02763	26126	5-	05566	00026	5-	05578	22128

III	13h $C_L C_M$	13h $wwVhN_h$	13h DDFWN	18h $C_L C_M$	18h $wwVhN_h$	18h DDFWN	01h $C_L C_M$	01h $wwVhN_h$	01h DDFWN	07h $C_L C_M$	07h $wwVhN_h$	07h DDFWN
333	76	02965	26325	5-	02967	25227	5-	02878	22228	57	02965	02118
334	--	02755	02216	00	02754	32215				--	02656	00017
340	8-	02967	28227	40	02963	30325	50	02867	00017	5-	02967	17227
136	70	02875	25226	53	02774	24226	50	05664	23214	5-	05668	24128
336	57	02756	32327							53	01752	28313
350	8-	02764	26327	23	02863	25224	50	01663	24123	5-	05677	20227
368	73	01754	22314	5-	02966	24326	50	00761	32101	53	00962	08113
379	83	02856	26327	43	02855	23860				50	01764	20114
390	8-	05668	26318	73	02764	23225	5-	05677	24127	5-	05667	26227
382	**	02765	26227	73	01863	25224	50	05671	00001	57	01863	00023
438	5-	02737	24117	57	02754	22316	8-	02745	22415	50	02766	22216
430	57	02874	30127	53	02862	20225	03	01790	00014	5-	02767	00027
409	73	02964	28324	77	01954	28324	50	01743	28203	5-	02967	15127

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 6th August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	czcy	cy	cy bccw
Croydon	cbccz	cyc	cbcc
Greenwich	cy	cy	cbczo
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. 0·1 Time 0·?h 6th; Min. <0·1 Time 11–18h 5th

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	64	53	44	-	-	1·8	*	*
Croydon	65	51	50	-	-	2·7	*	*
Greenwich	65	52	41	-	-	1·6	43	61
Westminster	66	54	52	-			60	74
Regents Park	65	53	47	-	-		61	62
Camden Square	65	54	47	-	-	*	*	95
Kensington	65	52	47	-	-		55	72
Hampstead	63	50	48	-	-		*	71

SECRET

Page 1

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

Friday 7th August 1942 — No. 29478

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	25·2	-4	N'N	2	c	64	55	47	7	8	-	-	9+	9+	2500
	Croydon ...	24·8	-6	W	1	c	65	65	50	8	8	-	1	4-6	8	3000
	S. Farnborough	25·2	-2	W'S	3	c	64	55	45	8	7	7	4	7-8	9+	3000
	Boscombe Down	24·8	-4	SW	1	bc	66	48	46	8	1	-	9	4-6	4-6	4500
	Thorney Island	26·4	-12	SW	2	bc	65	55	50	8	1	3	2	1	4-6	4000
	Lympne ...	25·3	-2	SSW	1	c	62	75	53	7	8	-	-	9+	9+	3000
	Manston ...	25·2	+2	-	0	c	61	65	49	7	5	-	-	9+	9+	4500
2	Shoeburyness ...	25·1	-4	SW	1	c	65	55	48	8	5	3	-	2-3	9+	6000
	Felixstowe ...	24·6	+4	NW'W	3	c	63	45	46	7	4	-	-	10	10	4000
	Gorleston ...	24·9	0	WNW	1	c	61	65	47	7	5	-	-	10	10	1200
	Mildenhall ...	24·9	0	W	2	c	62	55	47	7	7	-	-	9+	9+	4500
	Cranwell ...	23·9	-2	SW	3	c	62	65	49	7	5	3	1	2-3	9	3000
	Birmingham ...	24·2	-4	SW.	2	c	63	55	47	8	5	-	-	9	9	2500
	Upper Heyford	24·7	-6	W'N	2	c	65	55	45	8	1	-	6	7-8	9	3500
4	Ross-on-Wye	24·2	+6	WNW	2	c	65	55	48	8	7	3	-	7-8	9	4000
5	Hartland Point	24·5	-2	W	2	c	63	75	54	8	5	-	-	9	9	3500
	Bristol ...	25·3	-4	WSW	3	bc	65	65	53	8	7	4	-	2-3	2-3	3800
	Portland Bill ...	25·6	+6	SW	2	bc	60	85	54	8	2	-	-	4-6	4-6	4000
	Plymouth ...	25·9	-2	SSW	2	bc	65	75	56	8	1	3	-	2-3	4-6	3000
	The Lizard ...	25·8	+2	S'W	3	c	64	65	53	8	8	6	-	4-6	7-8	2500
	Scilly (St. Mary's)	25·3	0	SSW	2	c	66	75	58	6	5	-	-	10	10	1200
	Guernsey ...															
6	Pembroke ...	24·2	-4	SW'S	4	c	62	85	56	8	5	-	-	9+	9+	2000
7	Holyhead (Valley)	22·8	-8	S'W	5	bc	62	75	53	8	5	1	-	4-6	7-8	4000
	Chester (Sealand)	23·1	-4	SW	3	c	65	55	51	8	8	7	-	9+	9+	4000
8	Manchester ...	23·2	-6	SSW	3	c	63	65	51	7	7	-	-	4-6	9+	2500
10	Spurn Head ...	23·7	+2	WNW	3	c	61	55	46	7	7	7	-	4-6	9+	4500
	Catterick ...	22·6	-8	-	0	c	63	55	46	8	5	-	-	9	9	3000
	Tynemouth ...	22·8	-2	WNW	2	c	61	55	43	7	8	-	-	7-8	7-8	2800
11	St. Abbs Head	21·0	0	NNW	1	c	57	65	45	7	5	4	-	7-8	9+	3700
	Leuchars ...	20·7	-6	WSW	2	c	59	55	45	9	5	3	-	4-6	10	3000
12	Renfrew (Abbotsl.)	21·0	-10	SW	3	c	63	55	46	8	7	7	-	7-8	9	3500
	Eskdalemuir ...	21·6	-4	SW	3	c	58	55	42	8	8	7	-	7-8	9	2800
	Point of Ayre ...	21·9	-10	SW'S	4	c	65	75	54	8	8	-	-	9+	9+	3000
A	Tiree	20·2	-6	S	3	c	62	65	51	8	5	3	-	4-6	7-8	3500
13B	Stornoway ...	18·7	-12	S	3	c	56	75	48	8	5	7	-	7-8	10	4500
15	Dalwhinnie ...	20·5	+4	SW	2	o	54	65	43	8	5	-	-	10	10	2500
	Aberdeen ...	20·7	-2	SSW	3	c/pr	57	75	49	8	7	-	-	9+	9+	2100
	Wick ...	20·5	+4	NW	3	c	58	85	53	9	5	7	-	4-6	10	3000
16	Sumburgh ...	17·4	+4	-	0	d.d.	52	97	52	4	5	-	-	10	10	200
17	Blacksod Point	19·4	-6	S	4	c	62	85	57	7	-	1	-	0	10	-
18	Malin Head ...	19·5	-10	SSW	2	c	62	65	50	8	9	-	-	10	10	2500
	Aldergrove ...	20·6	-12	SW	3	c	64	65	53	7	8	7	-	2-3	9+	3000
19	Birr Castle ...	21·3	-10	SW	2	c	65	75	57	8	5	1	-	7-8	10	2500
20	Valentia Obsy.	20·1	-10	S	4	r.	63	92	61	6	5	-	-	10	10	1500
	Roches Point	22·4	-2	SW	3	bc	65	75	57	8	5	-	5	4-6	4-6	4000

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

District	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	23·5	-10	SW'S	1	c	66	55	49	7	5	5	6	Tr	9+	4000	0	*
	24·1	-6	SSE	1	c	64	65	51	7	4	4	2	1	7-8	4000	0	*
	23·5	+6	WSW	2	c	66	55	47	8	4	3	9	4-6	9	7500	0	*
	23·7	-4	WNW	1	c	63	55	48	8	8	4	-	7-8	7-8	4500	0	*
	24·2	-8	SW	3	bc	63	65	51	8	1	4	-	1	2-3	4000	0	*
	24·2	-8	SW	1	c	85	-	-	7	7	-	-	9+	9+	4500	1	3
	23·9	-8	-	0	c	62	65	-	8	5	-	-	9+	9+	3800	0	*
2	24·0	-8	S	2	c	63	65	52	8	5	-	-	9+	9+	5500	0	*
	24·1	-2	SSW	2	c	62	65	50	7	5	3	-	4-6	9+	5700	0	2
	24·2	-8	SW	1	c	61	55	46	7	5	-	-	9+	9+	2400	0	2
	23·4	-10	SW'W	2	c	64	55	46	8	5	7	2	2-3	9+	5700	0	*
	22·3	-10	WSW	3	c	63	65	50	7	5	3	2	2-3	7-8	6000	0	*
	22·5	-8	SW	2	c	64	55	48	8	5	-	-	9+	9+	2500	1	*
	23·3	-6	SSE	2	c	64	55	48	8	7	-	8	4-6	9+	3500	0	*
4	23·0	-8	SW	3	c	62	65	51	8	5	-	-	9+	9+	3500	0	*
5	23·1	-10	WSW	3	bc	64	85	58	7	2	6	-	1	2-3	3000	0	3
	24·2	-2	W'S	3	c	65	65	53	8	5	3	-	2-3	9	4000	0	*
	24·0	-6	SW	3	bc	60	85	55	8	5	-	-	4-6	4-6	4000	1	2
	24·8	-2	SW'S	2	bc	62	85	57	8	1	7	-	1	4-6	3000	0	2
	23·7	-8	WSW	1	bc	63	85	60	8	8	6	-	4-6	4-6	2500	0	3
	24·4	-2	SW	2	bc	66	75	56	7	5	-	-	4-6	4-6	1200	0	2
6	22·0	-10	SW	4	Zo	61	97	59	6	2	3	1	2-3	4-6	2500	0	3
7	21·3	-8	SW'S	5	c	61	85	56	8	2	5	-	Tr	9+	3000	0	3
	21·2	-12	SW'W	3	c	67	65	53	8	4	6	1	4-6	9	3000	0	*
8	22·0	-10	S'E	2	c	62	75	54	8	5	-	-	4-6	9	3000	0	*
10	22·5	-6	SW	2	Zo	62	65	52	6	5	3	-	4-6	9+	4000	0	2
	21·4	-8	W'S	2	c	63	65	51	7	7	3	-	7-8	9+	3500	0	*
	21·8	-10	SE	3	c	58	85	54	6	8	-	-	9+	9+	2800	1	3
11	20·1	-6	SE	3	c	55	75	47	8	5	7	-	7-8	9+	3500	0	3
	19·3	-10	WSW	1	c	62	55	45	8	5	7	1	2-3	9+	6000	0	*
12	19·3	-6	SW'W	2	c	63	65	51	8	5	7	-	4-6	9+	4000	0	*
	20·1	-6	SSW	4	c	58	85	52	8	5	7	1	4-6	7-8	1800	0	*
	20·2	-14	W'N	2	c	65	65	54	8	5	8	-	4-6	7-8	6500	0	2
A	17·8	-10	S'W	2	c/d	56	92	54	7	5	-	-	10	10	1000		3
13B	17·8	-6	SSE	2	c	58	75	48	8	7	9	5	4-6	9+	4500	0	2
15	18·8	-6	SW	2	c	56	65	46	8	8	3	-	4-6	9+	2500	0	*
	19·8	-6	S'W	2	c	58	75	48	7	7	-	-	10	10	2500	0	1
	19·4	-2	WNW	1	c	55	92	52	9	5	-	-	9+	9+	4000	0	*
16	17·5	0	W	4	c	58	85	50	8	5	7	-	2-3	7-8	1500	1	3
17	17·0	-14	S	4	r.	60	97	59	7	-	2	-	10	10	2500	1	3
18	17·7	-14	SSW	2	c	61	92	59	7	8	2	-	4-6	9+	1500	0	1
	19·7	-8	SW'S	2	c/d	60	92	58	8	5	7	-	7-8	10	1600	1	*
19	19·4	-10	SSW	2	c	67	75	56	8	5	1	-	7-8	10	2500	0	*
20	19·0	-12	S	4	dd	63	97	62	6	5	-	-	10	10	450	1	3
	20·6	-14	SSW	3	id.	62	97	61	6	5	-	-	9+	9+	800	1	3

PAST 24 HOURS.

District	Weather 7h.—13h. 6th (39)	Weather 13h.—18h. 6th (40)	Weather 15h. 6th to 1h. 7th (41)	Weather 1h.–7h. 7th (42)
1	czcy	cy	bcbw	bbccw
	c2c	c	bc	b Rs
	cwze	cbccy	cybcbm	cw cm
	cbc	cy	bbcmcm	cm2FF
	cbcmbcy	bcybc	bbc	bfgcmw
	cmbcc	c	bcb	bcwfgm2
3	bcc	c2c	cbcm	bm2wcm2
2	ccy	cyc	c	cbcm
	cy	cyc	cbcm	cm
	czc	cy	cm	c2c
	cmccy	cy	c	ccm2c
	cmc	cyc	cm	bcmcm
	cbcc	c	c	cbcc
	cbcy	cyc	cybcb.	bcbcm
4	cbbcy	cyc	cbc	c Pcm
5	cbcc	cbc	bccd	dcrrc
	cbybc	bcyc	cbcbbc	clrm
	bc	bcbc	bcbc	corr
	cbc	bc	cmin	mrrcm
	c	cbc	bccid	cprc
	cbcc	cbc	bccpc	c
6	c	bcm	corrm	ddF
7	c	bcc	cm	crdm
	ccy	cyc	c	cmin
8	cirz	c	cirmb	cirm
10	c	cm	c	c
	cbccy	cyc	cbcm	cmigmm
	c	c	cm	corrm
11	c	c	c	corrc
	ccy	cy	cm	crrm
12	cy	cyc	mdd	crrddd
	cy	c	cm	rrdd
	c	c	c	irrrc
A	c	cod D	o crrdd	oird
13B	c	c	crr	crrpr
15	o	oc		cird
	c	c		cirm
	cpr	c	c	crrrm
16	cdd fc	cdd fc	sbcc	
17	r	r	d	c
18	c	r	r	d
	cddMc	cid		cddbbm
19	c	c		r
20	r	r	r	tlr
	r	d	r	d

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate Southwest wind, cloudy; rain or drizzle at times; perhaps thunder locally; close.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Moderate Southwest wind; cloudy; rain or drizzle at times; local thunder; some coast and hill fog; close.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate Southwest wind; cloudy; rain or drizzle at times; local thunder; close.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate Southwest wind; cloudy; rain or drizzle at times; bright intervals later; local thunder; average temperature.
16 Orkneys and Shetlands 17 N.W. Ireland	As 12-15.
18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 4-8

GENERAL INFERENCE

Pressure is high to southward of the British Isles. A depression near Iceland is moving slowly East-north-east and associated troughs of low pressure are moving East across the British Isles. Weather will be cloudy with rain or drizzle at times in most districts and local thunder, but in Southeast England the falls will be slight. Patches of fog will occur on the western and southern coasts.

FURTHER OUTLOOK

Unsettled with rain at times but fair and warm interval in the South.

Forecasts issued at 10.30.

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

7h. Friday 7th August, 1942.

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

15°E. Scale 1 : 5,000,000.

Mb.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

Morning of

Friday 7th August

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Friday 7th August 1942 — No. 29478

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F (6)	Humid. % (7)	Dew Point. °F (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon ...	290	23.8	-6	S	2	[illegible]	53	97	53	7	5	-	-	7-8	7-8	5000
	S. Farnborough	226	24.0	-2	WSW	2	[illegible]	56	85	52	6	-	4	-	0	[illegible]	-
	Boscombe Down	417	23.9	-6	S	1	[illegible]	52	92	50	6	-	3	-	0	7-8	-
	Thorney Island	10	24.1	-2	SW'W	1	[illegible]	56	92	55	7	5	3	-	2-3	4-6	5000
	Lympne ..	283	24.5	-6	WSW	1	[illegible]	51	92	48	7	-	-	-	0	0	-
	Manston ...	154	24.1	-2	SW'W	1	[illegible]	50	92	48	6	-	4	-	0	1	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	23.6	-6	WSW	2	[illegible]	55	85	51	6	-	-	-	0	0	-
	Gorleston ...	5	23.8	-4	SW	1	[illegible]	56	85	51	6	6	-	-	10	10	1500
	Mildenhall ...	15	22.7	-6	SSW	2	[illegible]	58	78	48	7	0	-	-	10	10	4300
	Cranwell ...	203	21.5	-8	SW'S	3	[illegible]	56	85	51	6	5	-	-	7-8	7-8	5000
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22.8	-6	SSW	2	[illegible]	56	85	50	7	-	3	-	0	4-6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21.8	-8	SSW	3	[illegible]	59	97	59	5	5	2	-	9	10	1500
	Bristol ...	209	23.5	-8	SSW	3	[illegible]	59	85	54	7	-	7	6	0	7-8	-
	Portland Bill ...	32	23.6	-10	SW	3	[illegible]	58	85	54	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	24.1	-2	SW	2	[illegible]	61	97	60	6	5	-	-	7-8	10	900
	The Lizard ...	240	23.7	-4	SSW	3	[illegible]	61	97	61	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	23.2	-6	SW	3	[illegible]	62	92	60	6	5	-	-	10	10	800
	Guernsey ...	175															
6	Pembroke ...	142	20.7	-16	SSW	4	[illegible]	59	97	59	4	5	-	-	10	10	450
7	Holyhead (Valley)	32	20.1	-8	SSW	4	[illegible]	59	97	57	7	5	7	-	4-6	10	5000
	Chester (Sealand)	16	20.0	-14	SSE	1	[illegible]	59	85	55	6	5	-	-	10	10	3600
8	Manchester ...	235	20.9	-8	SSE	2	[illegible]	56	92	54	7	5	-	-	10	10	4300
10	Spurn Head ...	29	21.6	-6	S'W	3	[illegible]	58	85	53	7	2	6	-	4-6	9	4000
	Catterick ...	175	20.5	-6	-	0	[illegible]	55	85	51	5	5	-	-	2-3	2-3	5700
	Tynemouth ...	108	20.6	-4	SW	2	[illegible]	57	92	54	5	8	-	-	9+	9+	2500
11	St. Abbs Head	280	17.4	-8	SW	3	[illegible]	56	85	51	7	5	-	-	10	10	4000
	Leuchars ...	36	17.8	-14	-	0	[illegible]	56	75	49	6	5	-	-	10	10	2700
12	Renfrew (Abbotsl.)	19	17.4	-14	-	0	[illegible]	58	92	56	5	-	2	-	10	10	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	18.6	-10	-	0	[illegible]	59	92	56	8	8	7	-	7-8	9+	1800
13A	Tiree	22	14.6	-14	S	3	[illegible]	56	97	55	5	5	-	-	10	10	800
13B	Stornoway ...	80	14.4	-14	SE	2	[illegible]	54	92	52	7	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	17.6	-4	SSW	1	[illegible]	51	85	47	8	5	-	-	4-6	4-6	4500
	Wick ...	114	17.7	-14	SE	2	[illegible]	52	92	52	9	5	7	-	4-6	7-8	3000
16	Sumburgh ..	19	17.1	-6	W	2	[illegible]	52	87	50	8	5	-	-	4-6	7-8	5000
17	Blacksod Point	18	16.1	-2	W'S	3	[illegible]	58	97	57	6	-	2	-	7-8	7-8	800
18	Malin Head ...	84	14.8	-14	S'E	3	[illegible]	61	92	59	7	6	2	-	4-6	10	1500
	Aldergrove ...	268	17.4	-14	SW	2	[illegible]	59	92	57	6	5	-	-	10	10	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	19.3	0	S'W	2	[illegible]	59	97	58	6	5	-	-	10	10	<150
	Roches Point	22	18.9	-10	S'W	3	[illegible]	62	97	61	8	5	-	-	7-8	7-8	800

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

Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
28.3	-2	SSW	2	[illegible]	58	85	53	7	-	8	6	0	9	-	0	*
23.3	+2	SE'S	2	[illegible]	57	85	54	7	-	8	6	0	7-8	-		*
23.0	+2	SW'S	2	[illegible]	57	92	55	6	7	7	-	2-3	9+	700	0	*
22.7	-4	S	3	[illegible]	56	92	55	3	-	-	-	10	10	300	1	*
23.4	+4	SW'S	2	[illegible]	55	97	53	6	-	3	-	0	9	-	1	*
24.1	+2	WSW	1	[illegible]	53	97	52	6	1	3	4	[illegible]	2-3	1200	1	3
23.4	+2	S W	1	[illegible]	56	97	55	6	5	-	-	9+	9+	7200	0	*
28.1	+2	SSW	2	[illegible]	59	85	55	6	-	3	-	0	2-3	-	1	*
22.8	+2	SW	2	[illegible]	59			6	5	-	-	7-8	7-8	7000	0	1
22.5	-2	WSW	2	[illegible]	57	75	49	7	5	3	-	4-6	7-8	2600	0	3
22.0	+4	SSW	2	[illegible]	55	75	51	7	-	8	2	0	9	-	0	*
20.6	+2	SW	3	[illegible]	58	85	53	6	-	7	7	0	10	-	0	*
20.9	-4	SSW	3	[illegible]	56	97	55	5	6	-	-	10	10	800	1	*
21.8	0	S'W	3	[illegible]	55	85	51	6	5	7	-	7-8	9+	4000	0	*
20.7	-6	SW'S	3	[illegible]	58	97	57	6	5	-	-	10	10	800	1	*
20.0	+2	WSW	4	[illegible]	61	97	61	6	6	2	-	9+	10	600	1	4
22.2	-2	S'W	3	[illegible]	59	92	57	6	5	2	-	2-3	10	1500	0	*
22.3	0	SW	3	[illegible]	59	92	57	7	5	-	-	10	10	2500	1	2
23.1	0	SSW	2	[illegible]	61	97	60	6	5	2	-	7-8	10	1000	1	2
22.1	-4	SSW	4	[illegible]	61	92	58	8	8	2	-	9	10	1500	1	3
21.8	-4	SW'S	4	[illegible]	62	97	60	6	5	-	-	9+	10	800	0	3
19.5	-2	WSW	4	[illegible]	60	97	60	1	-	-	-	10	10	<150	1	3
17.9	-2	S'W	4	[illegible]	60	97	60	6	5	-	-	10	10	500	1	3
18.6	-6	SE	3	[illegible]	59	92	55	5	5	-	-	9+	9+	5000	0	*
18.7	-4	SSE	3	[illegible]	57	92	55	6	5	3	-	4-6	7-8	4000	0	*
20.6	0	SW'W	3	[illegible]	59	85	52	5	5	2	-	4-6	9+	4500	0	2
18.2	-2	SSE	2	[illegible]	56	97	56	5	5	7	-	2-3	9+	3000	1	*
18.8	-6	SW	3	[illegible]	57	92	55	4	-	2	-	10	10	2400	1	3
16.1	-6	SSW	3	[illegible]	55	97	55	7	5	-	-	9+	9+	3000	1	3
15.7	-8	W	1	[illegible]	56	86	55	5	5	7	-	2-3	10	2500	1	*
18.2	-2	S	2	[illegible]	61	97	60	7	5	-	-	10	10	450	1	*
18.6	+2	WSW	3	[illegible]	62	97	61	8	5	-	-	9+	9+	800	1	3
17.5	+2	SSW	2	[illegible]	60	92	58	7	5	-	-	10	10	1500	1	*
15.9	-2	SSW	3	[illegible]	58	97	57	7	5	3	-	7-8	9+	800	1	2
14.9	+6	W'N	4	[illegible]	58	97	57	5	6	2	-	7-8	9+	450	1	2
15.9	+2	SW	1	[illegible]	60	92	60	6	6	2	-	9+	9+	100	1	*
17.5	+2	SSW	2	[illegible]	60	92	58	7	5	-	-	10	10	1500	1	*
18.2	-2	S	2	[illegible]	61	97	60	7	5	-	-	10	10	450	1	*
18.6	+2	WSW	3	[illegible]	62	97	61	8	5	-	-	9+	9+	800	1	3

PAST 24 HOURS.

Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)	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 6th Hrs. (38)
-	8	6	0	9	-	0	*	67	53	40	-	Tr	2.4
-	8	6	0	7-8	-		*	67	52	49	-	-	1.6
7	7	-	2-3	9+	700	0	*	68	52	41	-	-	3.7
-	-	-	10	10	300	1	*	69	50	42	-	Tr	5.6
-	3	-	0	9	-	1	*	67	48	45	-	-	*
1	3	4	Tr	2-3	1200	1	3	64	46		-	-	3.1
5	-	-	9+	9+	7200	0	*	62	49	40	-	-	3.1
-	3	-	0	2-3	-	1	*	67	53	48	-	-	3.6
5	-	-	7-8	7-8	7000	0	1	65	55	47	-	-	4.5
5	3	-	4-6	7-8	2600	0	3	63	55	52	-	-	1.0
-	8	2	0	9	-	0	*	65	55	45	-	-	1.7
-	7	7	0	10	-	0	*	*	53	50	-	-	2.6
6	-	-	10	10	800	1	*	65	54	47	-	Tr	●
5	7	-	7-8	9+	4000	0	*	67	51	45	-	-	*
5	-	-	10	10	800	1	*	68	55	49	-	1	5.4
6	2	-	9+	10	600	1	4	64	58	58	-	6	7.4
5	2	-	2-3	10	1500	0	*	68	54	47	-	0.1	7.7
5	-	-	10	10	2500	1	2	63	55	*	-	0.3	*
5	2	-	7-8	10	1000	1	2	66	59	56	-	1	6.8
8	2	-	9	10	1500	1	3	65	60	*	-	Tr	5.5
5	-	-	9+	10	800	0	3	69	61	*	-	Tr	6.9
-	-	-	10	10	<150	1	3	63	61		-	4	5.6
5	-	-	10	10	500	1	3	65	58	56	-	1	*
5	-	-	9+	9+	5000	0	*	69	57	48	-	-	4.1
5	3	-	4-6	7-8	4000	0	*	64	55	46	-	0.1	*
5	2	-	4-6	9+	4500	0	2	64	50		-	-	4.1
5	7	-	2-3	9+	3000	1	*	65	52	49	-	0.2	3.3
-	2	-	10	10	2400	1	3	64	55	52	-	0.2	*
-	-	-	9+	9+	3000	1	3	59	53		-	2	
-	-	-	10	10	<150	1	3		55			5	
-	-	-	10	10	500	1	2	59	54	*	-	6	0.7
-	-	-	10	10	1500	1	*	58	50	43	-	3	0.1
5	2	-	9	10	1500	1	1	59	(51)	48	Tr	1	0.0
7	-	-	9	10	600	1	*	58	(58)	48	Tr	0.3	*
5	3	-	7-8	9	5500	0		55	49	46	0.3	-	0.0
5	3	-	7-8	9+	800	1	2	62	55	*	2	1	*
6	2	-	7-8	9+	450	1	2	63	57		0.5	7	2.2
7	-	-	9+	9+	100	1	*	67	59	58	0.3	3	1.9
5	-	-	10	10	1500	1	*	69	59	58	-	3	1.9
5	-	-	10	10	450	1	*	65	59	59	5	1	0.1
6	-	-	9+	9+	800	1	3	66	61	*	0.2	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

IIIC	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	57	02814	25456	27	02853	25324	5-	02855	15125	52	62556	15268
115				52	02844	20227	52	02844	12327			
203				5-	02952	16227	6-	63838	16328			
206	57	02865	24228	5-	02968	20128	5-	64748	00068	6-	58448	00068
210	77	02963	24327	5-	02968	06128	5-	02864	12228	52	52855	09268
220												
230	73	02964	20225	52	61866	18128	5-	64548	00058	5-	57538	18268
245	5-	02964	00027	53	02964	16227	5-	61648	28128	02	62538	00068
260	53	02765	25117	57	02854	30126	5-	05558	07128	5-	22846	16168
278	77	02976	12327	5-	02848	12328	5-	62648	12368	5-	51508	18268
279	17	02864	19227	8-	02967	52327	5-	51758	17258	02	52428	18368
285	5-	02857	26527									
288	5-	02867	22327	5-	02877	20227	03	05690	16218	57	61762	17268
575	52	21747	20158	57	02747	18258	62	52637	14258	--	57409	22259
301	7-	02967	24427	53	02754	17326						
321	5-	05667	22228	5-	02765	16227	00	05690	20110	51	22665	22268
299	7-	02965	26127	57	02764	16115	5-	05665	24115			
292	50	02766	28116	57	02866	21127	50	05663	17123			
310	--	01636	24316							--	61428	20328
614	73	05656	20227	57	05664	22225	5-	05668	24228	07	05590	20127

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

IIIC	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
333	5-	02964	17368	53	02756	18417	5-	02634	17418	5-	54428	18368
334	--	02755	32217	--	02656	26217				--	51647	26188
340	4-	02966	22228	83	02865	18326	53	02765	18228	57	66665	14368
136	8-	02757	25127	53	05674	20125	5-	02668	17228	09	66246	21158
336				57	02755	20428				62	64526	20468
350	7-	02864	02227				5-	05665	18225	03	05630	18326
368	53	02965	20217	03	01990	22213	03	00890	00002	52	52536	16158
379	13	12115	24164	80	02865	20215	50	00761	20201	--	46309	57309
390	7-	0277	23227	73	09663	00026	03	05590	16129	53	08461	16127
382	76	02964	19125	76	02964	00075	50	00772	00002	52	05644	18328
438				04	01790	22214	00	00790	22300	8-	02636	22316
430	5-	02856	20327	40	00761	18212	5-	02777	32129	53	05537	00027
409	5-	02963	20328	20	01763	22323	5-	22648	16268	54	02418	20328

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

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

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LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	cz.cy	cy	bc.bu.bc	Kew 24 hours ended 7h. Max. Time
Croydon ...	cz.c	c	bc.c	
Greenwich ...	cy	cy	c.b c.c.b.c	
Camden Square	c	c	*	
Kensington ..	bc	bc	*	Min. Time
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 % Today	Humidity 9h % Today
Kew	67	53	40	*	Tr	2.4	*	*
Croydon ...	67						*	*
Greenwich ...	67	52	39	-	-			
Westminster ...	66	54	50	-	-		67	85
Regents Park ...	67	54	47	-	-		55	73
Camden Square	66	55	46	-	-	*	*	73
Kensington ...	68	54	47	-	-		69	79
Hampstead ...	66	52	47	-	-		*	85

SECRET

Page 1 BRITISH SECTION

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

Saturday 8th August 1942

No. 29479

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	21·7	-8	SW'S	4	dodo	62	85	59	6	6	2	-	9+	10	1500
	Croydon	22·4	-4	S	3	dodo	62	92	60	6	5	2	-	9+	10	700
	S. Farnborough	22·1	-6	SW'W	4	dodo	63	92	60	6	6	2	-	9+	10	700
	Boscombe Down	22·0	-6	SW'S	4	c/d	63	92	60	6	6	2	-	9	10	800
	Thorney Island	23·2	-4	SW	3	dodo	61	97	60	6	5	-	-	10	10	500
	Lympne	23·6	-2	WSW	3	c	63	75	55	8	1	7	-	Tr	10	4500
	Manston	22·5	-8	SSW	3	c	67	65	55	7	2	9	-	4-6	9+	3500
2	Shoeburyness	22·6	-6	SSW	3	ido	66	75	57	7	6	2	-	2-3	10	3000
	Felixstowe	22·1	-6	S	4	c	68	65	56	7	5	7	-	4-6	9+	4000
	Gorleston	22·1	-8	S'W	5	c	64	75	55	7	8	-	-	9+	9+	2800
	Mildenhall	21·2	0	SSW	4	dr	63	85	59	6	5	2	-	7-8	10	1000
	Cranwell	19·5	-2	W	2	c/r	63	92	61	6	5	-	-	4-6	10	1000
3	Birmingham	19·3	-4	SW	2	c	67	85	62	8	5	7	-	9	9+	2500
	Upper Heyford	20·9	-6	SW'S	3	c	63	92	62	6	5	-	-	10	10	500
4	Ross-on-Wye	19·7	-6	SW	4	c	68	85	63	7	8	8	1	7-8	7-8	3000
5	Hartland Point	20·5	0	WSW	4	f-	61	97	61	3	-	-	-	10	10	<150
	Bristol	21·5	+2	WSW	2	dd	66	97	66	5	-	2	-	10	10	500
	Portland Bill	22·3	-4	SW	3	o	60	92	58	7	5	-	-	10	10	2500
	Plymouth	23·0	-2	SW'S	4	iro	63	92	61	6	5	-	-	10	10	500
	The Lizard	22·3	-4	S	4	c/pr	65	85	62	7	8	2	-	9	10	1500
	Scilly (St. Mary's)	21·1	-4	SW'S	4	d	64	92	62	5	5	-	-	10	10	500
	Guernsey															
6	Pembroke	20·0	-4	WSW	4	F	60	97	60	1	-	-	-	10	10	<150
7	Holyhead (Valley)	18·3	-2	SSW	3	cjf	64	85	60	8	5	4	2	4-6	7-8	<150
	Chester (Sealand)	17·9	-2	W'S	4	c	71	65	60	9	8	4	5	7-8	9	4000
8	Manchester	18·0	-10	S'E	3	c	68	85	63	7	7	7	-	7-8	9	1500
10	Spurn Head	19·4	-8	SW	3	c	68	65	56	6	6	6	-	7-8	9+	4000
	Catterick	17·7	-4	SSW	2	c/r	67	75	58	6	5	2	-	7-8	10	4000
	Tynemouth	18·3	-2	WSW	3	c	68	75	60	6	8	-	-	9+	9+	2400
11	St. Abbs Head	14·6	-6	SSW	4	c	66	75	59	7	5	-	-	9+	9+	3000
	Leuchars	14·4	-4	SW	4	zo	68	75	61	6	8	-	1	2-3	2-3	2000
12	Renfrew (Abbots I.)	15·2	-2	SW'W	3	c	67	75	59	7	8	2	-	9	9+	1800
	Eskdalemuir	16·3	0	SW'S	4	df	59	97	58	2	-	2	-	10	10	<150
	Point of Ayre	16·9	0	W	5	c	68	75	61	8	8	7	-	7-8	9+	1500
13A	Tiree	14·2	+4	SW'W	3	c/d	58	92	56	7	5	-	-	7-8	7-8	800
13B	Stornoway	11·8	+2	SSW	4	c	63	85	57	8	5	7	5	7-8	9+	2000
15	Dalwhinnie	13·7	0	W	3	bc	65	75	58	8	8	-	-	4-6	4-6	2500
	Aberdeen	13·7	-8	S'W	3	zo	60	97	59	6	5	-	-	9	9	1200
	Wick	13·4	-6	SSE	2	roro	55	97	54	5	5	-	-	10	10	300
16	Sumburgh	15·2	-4	SSE	4	roro	55	85	51	7	5	2	-	1	10	1200
17	Blacksod Point	13·0	-22	S	5	c/pr	63	97	62	8	5	-	-	10	10	1500
18	Malin Head	14·2	-6	NE	2	bc	64	65	52	8	8	-	2	4-6	4-6	2500
	Aldergrove	16·0	-2	SSW	3	c	65	85	59	9	5	-	-	9+	9+	2000
19	Birr Castle	16·3	-10	S	2	c	70	75	62	8	5	1	-	7-8	9+	2500
20	Valentia Obsy.	16·0	-12	S	4	c/r	64	97	63	5	5	-	-	10	10	<150
	Roches Point	18·2	-2	SSW	3	ido	63	97	62	6	5	-	-	10	10	450

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 7th (39)	Weather 13h.–18h. 7th (40)	Weather 18h. 7th to 1h. 8th (41)	Weather 1h.–7h. 8th (42)
London (Kew)	20·9	-6	SW'S	3	c	64	85	61	7	5	4	-	9	9+	1500	1	•	cdidomo	idodmoc	cmo	emo
Croydon	21·5	-6	S'W	3	c/d	63	97	62	6	6	-	-	10	10	800	0	•	ccido	dodocidomo	ocmo	cbec
S. Farnborough	20·9	-6	SW	3	zo	65	85	62	6	5	7	5	7-8	10	1000	0	•	cmodorodo	cdorodomo	cbebm	bweigm
Boscombe Down	21·2	-2	SSW	4	c	65	92	61	6	5	-	-	10	10	1200	1	•	cdodomo	cmoc	cm e	cirocm
Thorney Island	21·7	-8	WSW	4	c	64	92	61	7	5	3	-	4-6	9+	800	1	•	cmoiddo	cidoc	ebbc	bcmoc
Lympne	22·9	-4	SSW	2	iro	59	97	57	6	5	2	-	9+	10	900	1	§	cmobcc	cciromo	iromcm	cmbcm
Manston	20·7	-6	SW	3	z	63	85	58	6	5	-	-	10	10	1100	0	•	bcc	cdm	cbccm	bccm
Shoeburyness	21·4	-8	SW	4	c	63	85	59	7	-	2	-	0	10	1800	1	•	bcidoc	moddc	c	c
Felixstowe	21·0	-8	SW	4	c	63	85	59	6	5	-	-	10	10	1500	0	2	cmo	cpromocm	cm bc	cbccmo
Gorleston	21·2	-2	SW'S	3	c	64	85	58	7	5	-	-	10	10	2500	0	3	bcc	c	bcm	czbc
Mildenhall	19·3	-10	SSW	3	bc	67	85	61	8	5	4	-	2-3	2-3	2000	0	•	ccycmodr	cmododoc	bcbb bmcm	oidmbc
Cranwell	17·2	-14	SW'S	3	bc	71	75	61	7	2	-	2	2-3	2-3	2500	0	•	cmocroro	cidomobc	bebm	bcbmcmr
Birmingham	17·8	-6	SW	3	c	71	65	59	8	8	7	6	4-6	7-8	2500	1	•	oiroc	cprbc	c	corr
Upper Heyford	19·3	-6	SW	4	c	70	75	61	7	8	-	6	4-6	7-8	2200	0	•	ddfidoc	cmocbc	ccm	cmroro
Ross-on-Wye	19·2	-4	SW	3	c	67	85	62	7	8	-	2	7-8	9+	2500	0	•	rorocc	bcc	c	croro
Hartland Point	19·4	-6	WSW	4	o/f	62	97	62	6	5	-	-	10	10	600	1	4	cirodFfe	Ffo	ocir	irrrc
Bristol	20·8	-4	W'S	3	c	66	92	64	6	5	-	-	10	10	1000	1	•	cdorodd	cddmoc	cc, bcm	bccror
Portland Bill	21·7	-8	SW	4	o	60	92	57	7	5	-	-	10	10	2500	1	4	o	co	o	orr
Plymouth	22·0	-10	SW	3	zo	62	97	61	6	5	2	-	7-8	10	500	1	3	cmoidoro	cirodofm	emcirm	circm
The Lizard	21·3	-14	SW	4	c	63	92	61	8	8	6	-	7-8	7-8	2000	0	3	cpfe	coc	crro	orro
Scilly (St. Mary's)	19·9	-14	SSW	4	c	64	92	61	6	5	2	-	7-8	10	1000	0	4	cido	cidoc	rrfro	ocpo
Guernsey																					
Pembroke	18·7	-12	SSW	5	F	61	97	61	1	-	-	-	10	10	<150	1		dofdfe	dofdife	if irrq	cmo
Holyhead (Valley)	16·6	-14	S	5	ojf	62	97	60	5	5	-	-	10	10	100	1	4	cfdobc	bccjf	ff ddf	
Chester (Sealand)	16·8	-8	SW'S	3	bc	70	75	60	8	2	6	5	2-3	4-6	3000	0	•	ciroc	cbc	c	circcidm
Manchester	17·0	-8	WSW	3	bc	71	75	63	8	2	6	1	4-6	7-8	2500	0	•	cidomo	cbcmo	bc	
Spurn Head	17·6	-10	SW	3	c	65	85	59	7	7	6	-	4-6	9+	4000	0	2	c	c	c	c
Catterick	16·7	-2	WSW	2	c	67	65	57	8	4	3	1	7-8	9+	4000	0	•	cirmo	c	cb ermc	cmcirm
Tynemouth	16·8	-6	WSW	2	c	69	75	62	6	2	3	-	4-6	7-8	2000	1	3	oirocmc	c	c	coiro
St. Abbs Head	13·5	-6	SW	4	bc	68	75	60	7	5	4	-	2-3	4-6	3000	0	3	crrir	cbc	cbcc	crrmo
Leuchars	13·1	-10	SW	2	bc	69	75	59	8	1	4	2	Tr	4-6	3500	0	•	cromcmo	bcbbc	bccmo	crrm
Renfrew (Abbots I.)	13·5	-14	WSW	2	c	67	75	59	7	5	7	-	2-3	10	2000	0	•	cmoc	c	comr	RRrr
Eskdalemuir	15·1	-8	SSW	3	c	60	92	58	6	5	-	-	10	10	700	1	•	codof	odfcd	cm	cRR
Point of Ayre	15·4	-8	SSW	2	c	62	85	59	8	5	7	6	Tr	9	1800	0	3	rdodoc	c	cdd	
Tiree	10·3	-20	SSE	4	c	60	85	57	8	5	-	-	9	9	2500	0	4	oidc	c	ciro	orr
Stornoway	09·7	-10	S	4	c	58	85	53	8	5	4	8	4-6	9	2000	1	2	cpro	c	cpr	cpr
Dalwhinnie	12·7	-6	SW	3	c	61	75	54	8	8	4	2	2-3	7-8	2500	0	•	obc	bcc		ciro
Aberdeen	11·6	-8	WSW	2	b	71	75	61	8	8	6	6	Tr	1	2400	0	2	croro	cmob	bciro	ciroc
Wick	12·7	-2	SSE	1	zo	59	92	57	8	8	4	5	2-3	2-3	3500	1	•	dorrmroro	cmo	cm	cirom
Sumburgh	13·2	-12	SE	3	c/r	55	97	53	6	5	-	-	10	10	400	1	3	croro	crorocmo	cdo F	cdodfF
Blacksod Point	09·7	-26	SSE	3	rc	61	97	60	7	-	2	-	10	10	800	*	3	pr	r	r	r
Malin Head	10·4	-24	S'W	4	c	66	75	58	8	8	2	-	4-6	7-8	1500	0	2	d	bc	r	r
Aldergrove	13·3	-14	S	2	c	67	85	61	8	7	7	-	4-6	10	3000	0	•	crdoc	cbcc	c*lorRr	crrmo
Birr Castle	12·5	-24	SSW	3	c	68	85	63	8	8	2	-	7-8	10	1500	1	•	r	pr		r
Valentia Obsy.	12·4	-20	S	4	iro	63	97	62	6	5	-	-	10	10	220	1	3	r	r	r	r
Roches Point	14·8	-22	SW	4	df	62	97	61	2	5	-	-	10	10	220	1		d	r	r	r

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

Districts	Forecast
1 S.E. England ♦, 2 E. England, 3 E. Midlands, 4 W. Midlands	Fresh Southerly winds slowly veering Southwest; moderate later; overcast and intermittent rain, perhaps local thunder today; Continuing mainly dull with slight local rain later; close.
5 S.W. England ♦, 6 South Wales ♦, 7 North Wales, 8 N.W. England	Strong southerly winds with gales locally on coasts slowly veering and moderating; dull with occasional rain or drizzle; hill and coast fog; close.
9 N. Midlands	As 0-4
10 N.E. England ♦, 11 S.E. Scotland ♦	Strong Southeast winds gale at exposed places on coasts, veering South-southwest, and slowly moderating; overcast and intermittent thundery rain average temperature.
12 S.W. Scotland & Isle of Man	As 5-8
13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland	Light variable winds freshening from South-southwest, much cloud and occasional thundery rain; average temperature.
15 N.E. Scotland	Fresh Southeast to South winds; dull and rainy; temperature about average; hill and coast fog.
16 Orkneys and Shetlands	
17 N.W. Ireland, 18 N.E. Ireland, 19 S.E. Ireland ♦, 20 S.W. Ireland ♦	Moderate to fresh Southwest to West winds, overcast with rain at first, becoming fair temporarily this evening then further deterioration spreading from West; temperature about average.

GENERAL INFERENCE

An elongated ridge of high pressure extends from the Azores over France to Germany, and is slowly weakening. A complex low pressure system covers the Northeast Atlantic, with associated troughs moving east over the British Isles. Weather will be dull and rainy in most districts but temporary fair periods in the South and West tonight.

FURTHER OUTLOOK

Unsettled westerly type continuing.

Gale warning in operation in districts 1, 5, 6, 19, 20 0520 G.M.T 8-8-42
10, 11 08.15 G.M.T. 8-8-42.

Forecasts issued at 10.30.

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

7h. Saturday 8th August 1942.

10° 5°W. 0° 5°E 10°

60°

55°

50°

LOW

HIGH

994

996

998

1000

1002

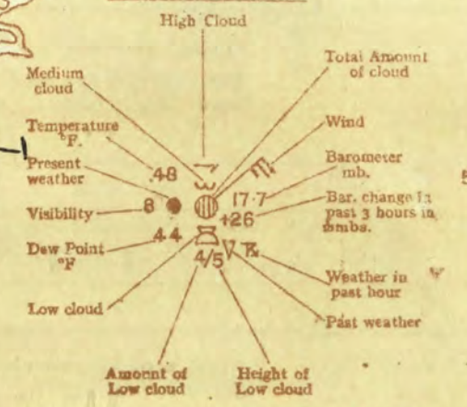
1004

1006

1008

1010 1012 1014 1016 1018

STATION MODEL



Scale 1 : 5,000,000.

Mb. 1050 1040 1030 1020 1010 1000 990 980 970 960 950 940 930

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

C 365/1386. No. 8144. P. 2580. Cp. 948/9. 7750. 8/42

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.

Morning of

Saturday 8th August.

1942.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Saturday 8th August 1942 — No. 29479

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

District.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	63	*	*	*	*	*	*	*	*	*
	Croydon ...	290	20.2	-6	S	2	C	68	82	60	6	6	-	-	7-8	7-8	1000
	S. Farnborough	226	19.4	-12	SW'S	4	Dc	62	82	58	6	5		1	2-3	2-3	1200
	Boscombe Down	417	18.5	-10	S'W	4	No	60	82	58	6	5	-	-	7-8	7-8	1100
	Thorney Island	10	20.7	-8	SW'S	3	Dc	61	82	59	7	5	-	-	4-6	4-6	2500
	Lympne ..	283	21.4	-4	SSW	2	No	60	87	59	6	5	-	-	9	9	1200
	Manston ...	154	20.1	-10	SW	2	No	61	82	59	6	5	-	-	9+	9+	800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	20.9	-4	SSW	3	No	63	82	61	6	5	-	-	7-8	7-8	1300
	Gorleston ...	5	19.2	-10	WSW	3	No	62	82	59	6	-	4	-	0	2-3	-
	Mildenhall ...	15	18.0	-10	SW'S	3	No	68	82	61	5	5	-	-	9	9	5200
	Cranwell ...	203	16.3	-8	SSW	2	No	62	82	60	6	5	4	-	2-3	2-3	5700
3	Birmingham ...	538	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18.1	-10	SW'S	4	No	62	82	60	6	5	-	-	10	10	1000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14.9	-26	SW	5	Ci	61	87	60	6	5	2	-	9	10	800
	Bristol ..	209	18.0	-20	SW'S	4	No	62	82	59	6	5	1	2	2-3	7-8	2500
	Portland Bill ...	32	19.2	-22	SW	4	No	58	82	56	7	5	-	-	10	10	2500
	Plymouth ...	82	18.0	-20	SW	4	Ci	61	82	59	6	5	7	-	9	10	1000
	The Lizard ...	240	17.7	-24	SSW	5	Ci	60	87	60	7	5	-	-	10	10	1000
	Scilly (St.Mary's)	163	15.7	-22	SSW	5	Ci	61	87	60	6	5	-	-	10	10	800
	Guernsey ...	175															
6	Pembroke ...	142	18.2	-24	S'W	7	Cu	60	87	60	6	8	-	-	10	10	1500
7	Holyhead (Valley)	32	11.6	-30	S	5	Ac	61	87	61	3	5	-	-	10	10	<1500
	Chester (Sealand)	16	13.1	-28	SSE	3	C	65	85	60	7	5	-	-	7-8	10	2200
8	Manchester ...	235	14.6	-22	SSE	3	C	63	82	61	7	-	7	-	4-6	9	4000
10	Spurn Head ...	29	16.1	-10	SW	3	C	61	92	59	6	7	6	-	4-6	7-8	4000
	Catterick ...	175	14.1	-18	S	2	No	61	82	59	6	5	-	-	7-8	7-8	2500
	Tynemouth ...	108	13.7	-20	WSW	3	C	60	82	57	6	2	-	-	7-8	7-8	2500
11	St. Abbs Head	280	10.3	-22	SSW	4	C	60	85	56	7	5	4	-	4-6	7-8	4000
	Leuchars ...	36	10.3	-18	-	0	No	60	82	58	6	5	7	-	7-8	10	1500
12	Renfrew (Abbotsl.)	19	08.8	-30	ESE	2	Cu	62	85	60	6	-	2	-	10	10	1400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	10.3	-32	SSW	4	Sc	61	87	60	4	6	2	-	4-6	10	800
13A	Tiree	22	05.5	-24	SSE	5	Cu	58	87	57	7	5	-	-	9+	9+	1800
13B	Stornoway ...	80	04.5	-28	SSE	3	Sc	57	87	57	7	5	7	-	7-8	10	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	09.5	-16	S'E	1	C	61	85	59	9	5	7	-	4-6	10	4000
	Wick ...	114	08.4	-32	SSE	2	Sc	55	87	55	4	5	7	-	4-6	10	400
16	Sumburgh ..	19	11.0	-18	SSE	3	Sc	54	87	54	2	-	-	-	10	10	<150
17	Blacksod Point	18	05.0	-18	SW	3	Cu	60	87	59	7	-	2	-	10	10	800
18	Malin Head ...	84	03.5	-34	S'E	4	Sc	64	87	63	7	8	2	-	4-6	10	800
	Aldergrove ...	268	07.3	-38	S'E	2	Cu	63	87	61	6	5	-	-	10	10	800
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	08.4	-18	WSW	4	Cc	57	92	56	6	6	-	-	10	10	450
	Roches Point	22	08.4	-36	SSW	4	RR	61	87	60	6	6	2	-	7-8	10	800

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

District.	Stations.	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	16.2	-14	SSW	3	Ci	61	85	56	6	5	7	-	7-8	10	2500	1	*
	Croydon ...	17.0	-14	S	3	Cu	60	85	56	7	-	7	-	0	9+	-	0	*
	S. Farnborough	16.4	-14	SSW	3	Ci	60	85	57	6	-	2	-	10	10	2000	0	*
	Boscombe Down	15.9	-16	S	5	Ci	59	82	55	7	5	7	-	Tr	9+	4000	0	*
	Thorney Island	16.0	-18	SSW	4	Ci	62	85	58	8	6	7	-	4-6	10	4000	0	*
	Lympne ..	19.1	-14	SSW	2	Ci	61	85	57	7	5	3	-	9	10	7000	0	3
	Manston ...	18.1	-8	SSW	2	Ni	62	85	57	6	-	3	-	0	9+	-	0	*
2	Shoeburyness ...	17.7	-10	S'W	3	C	62	85	57	7	-	3	-	0	9+	-	1	*
	Felixstowe ...	17.8	-10	SSW	3	Ni	62	85	58	6	-	7	-	0	9+	-	0	2
	Gorleston ...	17.3	-4	SW	3	C	62	85	59	7	-	3	-	0	7-8	-	0	3
	Mildenhall ...	15.6	-8	SSW	4	C	62	78	56	7	-	7	-	0	9+	-	0	*
	Cranwell ...	12.7	-18	SSW	2	Cc	60	85	56	6	-	2	-	10	10	2000	1	*
3	Birmingham ...	12.2	-20	S	4	Cc	57	87	56	7	6	-	-	10	10	800	1	*
	Upper Heyford	14.9	-10	S'W	4	Ac	58	82	56	6	6	2	-	4-6	10	200	1	*
4	Ross-on-Wye	12.0	-20	S'W	4	Ac	59	87	57	6	6	-	-	10	10	1500	1	*
5	Hartland Point	10.3	-16	SW	5	C	63	85	60	6	6	2	-	7-8	10	1000	1	4
	Bristol ..	14.6	-14	S	4	Ac	58	82	57	6	6	2	-	4-6	10	800	1	*
	Portland Bill ...	15.9	-16	S	4	Ac	59	82	57	7	5	-	-	10	10	2500	1	4
	Plymouth ...	14.0	-20	S'W	5	Ac	61	87	58	6	6	-	-	10	10	1000	1	3
	The Lizard ...	13.2	-16	SSW	5	Ac	61	87	61	7	5	-	-	10	10	1000	1	5
	Scilly (St.Mary's)	11.2	-18	S'W	5	C	62	82	60	7	5	-	-	7-8	10	800	1	5
	Guernsey ...																	
6	Pembroke ...	08.1	-20	S'W	7	Cu	61	87	60	6	8	5	-	9+	9+	2000	1	5
7	Holyhead (Valley)	05.1	-22	S	6	Ac	61	87	61	5	6	-	-	10	10	200	1	5
	Chester (Sealand)	08.0	-20	S'E	3	Ci	61	82	60	6	6	2	-	9+	10	1000	1	*
8	Manchester ...	08.2	-20	SSE	5	Ci	60	82	59	6	6	2	-	7-8	10	800	1	*
10	Spurn Head ...	12.1	-20	S'W	6	C	62	82	59	6	5	7	-	7-8	9+	4000	0	4
	Catterick ...	08.3	-26	SSE	3	Cc	62	87	61	4	5	2	-	7-8	10	1500	1	*
	Tynemouth ...	08.2	-22	SSW	4	Ci	63	82	61	6	-	2	-	10	10	2000	1	3
11	St. Abbs Head	04.3	-40	SE	4	Cc	58	87	58	6	6	2	-	7-8	10	2000	1	3
	Leuchars ...	02.8	-42	ESE	3	Cc	61	87	60	6	5	2	-	2-3	10	400	0	*
12	Renfrew (Abbotsl.)	00.9	-42	SE	3	Cc	62	82	60	5	5	2	-	7-8	10	1900	2	*
	Eskdalemuir ...	03.1	-40	SSE	3	Ci	60	87	60	5	-	2	-	10	10	200	1	*
	Point of Ayre ...	01.8	-32	SW	7	Ci	62	82	60	7	6	2	-	10	10	800	1	
13A	Tiree	99.8	-24	NNW	2	Cc	57	87	57	6	-	2	-	10	10	200	1	3
13B	Stornoway ...	00.1	-18	-	0	Cc	57	87	56	7	8	7	-	7-8	10	1500	1	1
15	Dalwhinnie ...	00.7	-36	SE	3	Ci	59	82	57	7	5	1	-	4-6	10	1500	1	*
	Aberdeen † ...	04.6	-24	SSE	8	Ni	58	82	56	6	5	7	-	4-6	9+	800	1	2
	Wick ...	03.3	-26	S	3	Ci	58	82	51	6	5	7	-	4-6	10	3000	1	*
16	Sumburgh ..	06.1	-16	ESE	6	F	54	87	54	1	-	-	-	10	10	<150	1	3
17	Blacksod Point	00.0	-12	SW	4	Cu	59	87	58	6	6	2	-	4-6	10	800	2	2
18	Malin Head ...	09.6	-22	W	3	Cc	59	87	58	6	-	2	-	10	10	450	2	2
	Aldergrove ...	00.5	-22	W	5	Cc	57	87	55	6	6	2	-	7-8	10	800	1	*
19	Birr Castle ...	02.8	-14	S	1	C	58	87	57	7	6	2	-	7-8	10	800	1	*
20	Valentia Obsy.	03.6	-4	SSE	4	Cc	61	87	60	6	6	2	-	9+	10	800	1	3
	Roches Point	04.2	-14	S'W	3	Cc	60	87	59	7	6	2	-	4-6	10	800	1	4

PAST 24 HOURS.

District.	Stations.	Temperatures. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 7h. Hrs. (38)
1	London (Kew)	64	59	57	0.2	-	0.4
	Croydon ...	66	59	57	0.1	-	1.0
	S. Farnborough	65	58	56	1	Tr	0.2
	Boscombe Down	69	57	55	1	Tr	0.4
	Thorney Island	64	58	57	0.5	-	*
	Lympne ..	67	56		-	-	4.3
	Manston ...	69	58	56	Tr	-	3.1
2	Shoeburyness ...	70	60	55	0.2	-	4.6
	Felixstowe ...	71	59	57	Tr	-	4.0
	Gorleston ...	69	60	58	-	-	4.4
	Mildenhall ...	69	61	54	Tr	Tr	4.5
	Cranwell ...		58	57	0.4	6	4.3
3	Birmingham ...	73	57	56	2	3	
	Upper Heyford	72	58	56	1	0.1	*
4	Ross-on-Wye	72	58	57	1	1	2.4
5	Hartland Point	62	60	59	0.5	6	0.0
	Bristol ..	69	58	57	1	5	0.6
	Portland Bill ...	60	56	*	0.1	Tr	*
	Plymouth ...	64	59	59	0.1	6	0.0
	The Lizard ...	65	59	*	Tr	2	0.2
	Scilly (St.Mary's)	66	61	*	Tr	3	0.0
	Guernsey ...						
6	Pembroke ...	64	55	*	Tr	5	0.0
7	Holyhead (Valley)	66	60	60	-	10	*
	Chester (Sealand)	75	62	60	Tr	1	6.3
8	Manchester ...	73	60	57	0.4	5	*
10	Spurn Head ...	69	59	*	-	-	2.0
	Catterick ...	70	60	57	0.1	0.4	3.6
	Tynemouth ...	70	59	54	0.5	0.1	*
11	St. Abbs Head	70	55	*	1	2	*
	Leuchars ...	71	59	46	0.1	2	6.5
12	Renfrew (Abbotsl.)	71	61	59	Tr	21	2.2
	Eskdalemuir ...	62	57	57	1	9	0.0
	Point of Ayre ...	72	59	*	0.5	5	3.4
13A	Tiree	62	56	*	Tr	8	3.1
13B	Stornoway ...	63	56	*	0.2	5	4.1
15	Dalwhinnie ...	69	57	55	-	3	6.8
	Aberdeen † ...	72	56	52	2	Tr	5.7
	Wick ...	61	52	48	2	-	*
16	Sumburgh ..	57	54	54	10	0.1	1.8
17	Blacksod Point	63	58	*	8	13	*
18	Malin Head ...	71	58	*	Tr	27	4.7
	Aldergrove ...	71	56	56	Tr	29	2.2
19	Birr Castle ...	73	57	56	Tr	25	0.4
20	Valentia Obsy.	64	56	55	1	16	0.6
	Roches Point	64	*	*	1	19	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 7th August ... 18h. G.M.T. | 01h. G.M.T. 8th August ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	52	62526	18268	5-	05667	18127	--	46309	11149	57	05533	12248
115				53	02844	20426						
203							5-	02848	16328			
206	57	01853	08264	26	02963	18315	51	02855	16128	52	61755	12168
210	26	02862	25353	24	01961	07215	57	02964	15128	52	64864	12368
220	51	02736	19318	62	63426	16428						
230	5-	51948	19358	52	02945	00026	5-	02748	16158	5-	64636	10168
245	8-	05648	26157	16	00361	20312	53	02864	20127	52	62754	14368
260	5-	02855	24425	84	01864	22314	52	22854	20128	6-	62744	12168
278	5-	21848	18258	54	02855	14328	5-	66508	47468	5-	56518	49468
279	5-	51538	51458	77	02864	20457	52	02837	51468	02	64648	49568
285	27	25635	20487							6-	64628	18468
288	02	63568	20368	16	02864	20325	57	05662	15314	5-	61638	47568
575	57	02853	18225	52	64755	20168	52	66638	14368	5-	62835	00068
301	5-	02734	22356	5-	02856	22117	5-	02858	14428	5-	22725	47668
321	53	05644	18367	20	05653	00064	50	05664	20314	62	64644	17468
299	54	05664	16314	50	01764	18214	50	05554	18114	54	02755	18416
292	82	21654	18258	20	01853	22254	5-	05564	14214	52	61567	14368
310	--	01626	20456							--	67209	20569
614	53	21545	22156	20	01754	22225	5-	08447	20327	5-	64538	16468

13h. G.M.T. 7th August ... 18h. G.M.T. | 01h. G.M.T. 8th August ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	5-	51728	18358	5-	21408	18458	5-	52528	49568	5-	54518	17568
334				--	02755	28316				--	63647	24388
340	23	02964	20424	23	01963	23215				6-	22838	15368
136	57	02764	19367	53	05644	18255	5-	05517	20327	09	02790	18246
336	57	02756	20428	57	02756	20428				62	62626	20568
350	52	52626	18358	86	02755	18425	5-	05627	18428	07	61790	18427
368	52	51437	22468	5-	05638	19926	5-	05648	22328	-2	02645	20468
379	5-	05628	22228	23	02844	20415	5-	05628	20458	6-	62628	20568
390	62	54436	20358	5-	05548	20258	5-	05538	20828	07	05690	18328
382	52	51847	20358	87	02745	22326	5-	05647	18358	5-	64548	16768
438	57	51648	22328	5-	25747	22487	50	05544	22414	57	02765	18428
430	52	54435	18358	5-	05637	20327	5-	05633	20213			
409	52	05727	21458	52	05627	19428	62	64626	16568	07	02794	17228

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 8th August...
Day 7h–18h Kew and Croydon, 9h–18h Kensington
9h–21h other stations except for rainfall which is 0h–18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	cdidomo	idomoc	omo	Kew 24 hours ended 7h. Max. Time 0.1 5.7h 8th. Min. Time 0.1 Rest of period
Croydon ...	cido	dodcidomo	comobcc	
Greenwich ...	cdo	idc	idocico	
Camden Square	c	c	*	
Kensington	bcpc	bcoe	*	
Hampstead ...	bcor	or	o	

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 18h % (Yesterday)	Humidity 9h % (To-day)
Kew ...	64	59	57	0.2	-	0.4	*	*
Croydon ...	66	59	57	0.1	-	1.9	*	*
Greenwich ...	67	59	52	0.3	Tr	2.0	86	79
Westminster ...	66	61	58		Tr		91	89
Regents Park ...	65	60	57	-	Tr		81	77
Camden Square	65	60	56	0.3	-	*	*	83
Kensington ...	67	60	56	0.2	0.2		87	87
Hampstead ...	64	57	55	0.5	0.1		*	87

SECRET

Page 1 BRITISH SECTION

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

SUNDAY 9TH AUGUST 1942

No. 29480

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	13·6	-16	S'W	4	c/r	61	85	57	8	5	2	-	7-8	10	1500
	Croydon ...	13·8	-18	S'W	4	dr	61	85	56	8	5	7	6	2-3	9	4000
	S. Farnborough	12·9	-24	SSW	4	c/d	64	85	58	6	5	2	-	10	10	700
	Boscombe Down	13·4	-14	SSW	4	c/d	60	97	59	6	5	-	-	10	10	600
	Thorney Island	13·9	-18	S'W	4	c	64	85	58	7	5	7	-	4-6	10	4000
	Lympne ...	16·9	-10	SSW	3	c	63	75	55	7	-	7	-	0	10	-
	Manston ...	15·7	-10	SSW	2	c/+	63	75	57	6	5	7	-	7-8	10	1500
2	Shoeburyness ...	15·4	-12	S'W	4	ir_0	64	85	57	7	5	2	-	2-3	10	5000
	Felixstowe ...	15·4	-14	S'W	4	c/pr	64	85	58	6	5	-	-	10	10	4000
	Gorleston ...	15·4	-10	SW'S	5	r_0r_0	63	85	58	6	6	-	-	10	10	600
	Mildenhall ...	13·3	-14	S'W	4	r_0r_0	61	92	59	6	6	2	-	4-6	10	800
	Cranwell ...	09·7	-16	S'W	5	c	63	85	58	7	5	1	-	9	10	1500
3	Birmingham ...	09·3	-18	SSW	4	c	64	85	59	8	6	2	-	9+	10	800
	Upper Heyford	11·1	-24	S'E	4	c	60	92	58	7	6	2	-	9+	10	600
4	Ross-on-Wye	09·2	-14	SSW	4	c/d	65	85	60	7	6	1	-	9+	10	1500
5	Hartland Point	07·6	-12	W	5	ir	63	92	61	7	6	2	-	7-8	10	800
	Bristol ...	11·3	-12	SSW	4	c/d	63	92	61	7	5	1	-	9	10	800
	Portland Bill ...	12·5	-18	S	4	o	60	92	57	7	5	-	-	10	10	2500
	Plymouth ...	11·2	-18	SSW	5	c	61	97	60	6	5	2	-	9	10	500
	The Lizard ...	09·8	-18	SSW	5	rr	61	97	61	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	07·1	-30	SSW	6	dd	62	97	62	5	5	-	-	10	10	500
	Guernsey ...															
6	Pembroke ...	06·7	+4	SW'S	5	rr	60	97	60	6	8	-	-	9+	9+	1500
7	Holyhead (Valley)	03·6	-6	SW'S	6	ir_0	61	97	59	5	5	7	-	7-8	10	400
	Chester (Sealand)	05·0	-16	SSW	3	c/r	69	75	59	8	5	7	-	7-8	10	2500
8	Manchester ...	06·2	-16	S	5	c/r	65	85	60	6	5	2	-	7-8	10	1500
10	Spurn Head ...	10·2	-10	S	6	cq	59	92	57	6	5	7	-	4-6	9+	2500
	Catterick ...	05·2	-14	S	4	z_0	65	85	59	6	5	-	-	7-8	10	600
	Tynemouth ...	03·1	-22	SW	6	c	66	85	62	6	8	-	-	9+	9+	2200
11	St. Abbs Head	00·1	+2	ESE	5	c	65	75	58	8	5	-	-	9	9	2500
	Leuchars ...	98·8	-2	SW	5	ir_0	64	85	58	8	5	7	-	4-6	10	1400
12	Renfrew (Abbots I.)	00·5	+26	SW'W	4	ir_0	60	85	55	6	5	2	-	9+	10	1000
	Eskdalemuir ...	01·3	+8	SW'S	5	r_0r_0	59	92	56	6	5	-	-	10	10	900
	Point of Ayre ...	02·1	-4	W'S	2	ir_0	62	92	59	7	6	7	-	4-6	9+	800
13A	Tiree ...	97·9	+2	WSW	1	c/d	58	97	58	6	5	-	-	10	10	400
13B	Stornoway ...	95·[illegible]	-4	W	2	rr	59	97	59	6	5	2	-	9	10	1500
15	Dalwhinnie ...	97·8	-6	WSW	3	r_0r_0	58	92	56	7	5	-	-	10	10	1500
	Aberdeen ...	96·7	-30	S'E	5	c/d	60	92	58	5	6	2	-	9+	10	1500
	Wick ...	96·8	-36	SE	3	r_0r_0	57	92	57	4	5	-	-	10	10	300
16	Sumburgh ...	01·8	-24	SE	5	c/f	59	85	56	6	-	1	-	0	10	-
17	Blacksod Point	02·6	+16	W	4	c	62	85	57	7	8	3	6	4-6	7-8	1500
18	Malin Head ...	99·2	+4	WSW	3	c/d	60	92	58	8	6	2	-	7-8	10	1500
	Aldergrove ...	00·0	+2	SW'S	2	rr	59	97	58	6	5	-	-	10	10	800
19	Birr Castle ...	01·6	-10	S	2	r/r	62	97	61	7	9	2	-	9	10	800
20	Valentia Obsy.	07·2	+30	W'N	4	c/pr	62	85	57	7	2	-	-	7-8	7-8	1500
	Roches Point	03·9	0	W	4	bc	66	75	58	8	3	-	-	4-6	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	°F Temp. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	11·4	-16	S'E	3	c/+	61	92	55	7	5	2	-	7-8	10	1500	1	•
Croydon	11·9	-12	SSW	3	c/r	60	97	60	7	5	7	-	4-6	10	2500	1	•
S. Farnborough	10·7	-18	S'W	3	c/d	61	97	60	6	6	7	-	9+	10	800	1	•
Boscombe Down	10·1	-22	S'W	4	dd	60	97	59	6	6	2	-	9	10	600	1	•
Thorney Island	11·7	-18	SSW	4	ir_0	63	85	60	7	5	7	-	4-6	9+	800	1	•
Lympne	14·1	-6	SW	2	c	64	75	55	7	5	1	-	9	10	7000	0	3
Manston	12·8	-8	SW	1	z_0	65	75	57	6	5	-	-	9+	9+	3700	0	•
Shoeburyness	13·4	0	SSW	3	ir_0	61	85	56	7	5	-	-	10	10	5000	1	•
Felixstowe	12·7	-4	WSW	2	c/pr	64	75	55	7	5	2	-	7-8	10	5700	1	2
Gorleston	13·1	-2	SW'S	5	r_0r_0	61	85	57	6	6	-	-	10	10	700	1	4
Mildenhall	11·0	-12	S	3	ir_0	62	85	58	7	5	2	-	7-8	10	900	0	•
Cranwell	08·8	-10	S	3	c/+	62	92	60	7	5	2	-	9+	10	3000	1	•
Birmingham	07·2	-6	S	3	ir_0	60	92	58	7	6	2	-	9+	10	450	1	•
Upper Heyford	09·0	-16	S'W	3	++	60	97	59	4	6	2	-	9+	10	200	1	•
Ross-on-Wye	07·3	-14	SW'S	3	id_0	61	97	59	7	6	-	-	9+	9+	1500	1	•
Hartland Point	08·2	+12	W	4	c	60	92	57	8	1	4	4	4-6	7-8	1000	1	2
Bristol	08·0	-24	S	5	c/+	61	97	60	7	5	1	-	9+	10	800	1	•
Portland Bill	09·7	-18	S	4	rr	60	92	58	7	4	-	-	10	10	2500	1	4
Plymouth	09·3	+4	WNW	4	c	64	92	59	8	5	-	-	7-8	7-8	2000	1	3
The Lizard	11·4	+20	W	5	bc	62	85	57	8	8	-	-	4-6	4-6	2500	1	5
Scilly (St. Mary's)	11·1	+24	W	4	bc	65	75	57	8	8	-	-	2-3	2-3	1200	1	4
Guernsey																	
Pembroke	07·0	+4	W'S	6	bcq	60	92	59	7	5	7	-	4-6	7-8	2000	1	4
Holyhead (Valley)	04·5	+2	SW	6	z_0	61	92	58	5	8	6	3	4-6	7-8	800	1	4
Chester (Sealand)	04·6	-4	SW'S	3	bc	69	65	56	8	2	6	9	2-3	2-3	2500	0	•
Manchester	05·4	-2	S	5	c	66	85	60	8	2	6	-	7-8	9	2000	1	•
Spurn Head	07·7	-10	S	6	c/pr	62	85	59	7	5	2	-	4-6	9+	2500	1	5
Catterick	04·2	+6	SSW	1	ir_0	62	92	59	7	6	7	-	4-6	9+	1500	1	•
Tynemouth	02·8	+2	SW	5	c/p+	64	92	62	6	8	-	-	9+	9+	2500	1	3
St. Abbs Head	00·7	+2	SW	3	++	62	85	57	7	5	-	-	10	10	3400	1	2
Leuchars	00·0	+4	SSW	3	r_0r_0	62	85	58	7	5	2	-	4-6	10	3500	1	•
Renfrew (Abbots I.)	00·7	+2	W'S	3	ir_0	60	85	57	6	6	2	-	7-8	10	600	1	•
Eskdalemuir	01·8	+8	SW	4	r_0r_0	58	85	54	6	5	1	-	7-8	9+	700	1	•
Point of Ayre	01·6	-4	NW'W	2	bc/r	59	97	58	8	9	7	-	4-6	4-6	1000	1	3
Tiree	99·9	+14	W'N	3	c	58	92	56	7	5	-	-	9	9	1500	1	4
Stornoway	97·1	+12	WSW	5	c	58	85	54	8	5	7	-	7-8	9+	2600	1	2
Dalwhinnie	99·0	+4	SW	3	o	56	92	54	7	5	2	-	4-6	10	1500	1	•
Aberdeen	99·9	+2	SW'S	3	c	61	85	57	7	8	7	-	7-8	9+	2500	1	2
Wick	98·1	+30	SW	3	c/+	58	92	57	8	5	3	1	4-6	9	3000	1	•
Sumburgh	98·4	-10	SSE	7	c	58	92	57	5	-	2	-	10	10	700	1	5
Blacksod Point	04·8	+8	W	4	c	60	85	58	7	2	3	9	4-6	7-8	1500	1	3
Malin Head	01·6	+14	SW'W	5	c	59	92	57	8	6	2	-	4-6	7-8	1500	0	2
Aldergrove	02·9	+14	W	2	c	60	92	57	9	8	7	-	4-6	9+	1500	1	•
Birr Castle	05·7	+22	W	2	c	67	65	55	8	8	-	-	7-8	7-8	1500		•
Valentia Obsy.	05·6	+6	W'S	5	bc	62	85	57	8	2	-	-	4-6	4-6	1500	1	4
Roches Point	07·8	+18	W'N	4	bc	64	85	59	8	3	3	-	2-3	4-6	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 8th (39)	Weather 13h.—18h. 8th (40)	Weather 18h. 8th to 1h. 9th (41)	Weather 1h.-7h. 9th (42)
London (Kew)	$ir_0m_0r_0+$	$+r_0++_0c$	ccr_0r_0	c, bbcw
Croydon	$crcd_0$	cidcir	$d_0d_0m_0bc$	b, cm_0bc
S. Farnborough	$cir_0d_0m_0$	$cm_0d_0r_0id_0$	cd_0bcm_0b	$bbcm_0cbc$
Boscombe Down	bm_0c	$cdi+ddm_0$	bb	bcm_0
Thorney Island	$ccir_0c$	$ccr_0+_0cir_0$	$hcr_0r_0bcm_0$	bm_0b
Lympne	cm_0ir_0c	c	$hbccm_0pr$	$cbcm_0c$
Manston	cir_0z_0	cir_0z_0	ir_0d_0	cid_0m_0
Shoeburyness	id_0ir_0c	ir_0c	rrcbc	bcm_0
Felixstowe	cpr_0cprm_0	$cpr_0m_0cpr_0$	bcm_0cir_0	$fbccm_0c$
Gorleston	cr_0r_0ro	or_0r_0	oirpr	oprc
Mildenhall	$or_0r_0m_0$	$or_0r_0mccir_0$	$cid_0d_0d_0m_0$	$d_0d_0bcm_0c$
Cranwell	$crrm_0c$	cir_0++	$cr_0r_0bm_0$	bm_0bc
Birmingham	$+oir_0r$	$or+_0$	or_0Rc	cbc
Upper Heyford	$ddid_0d$	id_0m_0++	rrd_0d_0m	bm_0bcm_0
Ross-on-Wye	$cdcd_0$	cd_0r_0R	cbcb	bbc
Hartland Point	cir	cirrr	cbc	bcc
Bristol	$cir_0d_0d_0$	$cir_0rrr_0r_0$	cddrb	bm_0cpr_0
Portland Bill	o	orr	c	bc
Plymouth	$cd_0d_0cm_0$	cd_0d_0bc	cbcbbc	bcwcbcc
The Lizard	orr	++cbc	bc	bcprc
Scilly (St. Mary's)	ir_0od	odcbc	bccpbc	cp_0bc
Guernsey				
Pembroke	$cqirrrm_0$	cq	bc	bcc
Holyhead (Valley)	$cdrrm_0$	cr_0bcm_0	bcc	bc
Chester (Sealand)	cir_0m_0c	c++bc	bc,b	cbbc
Manchester	cm_0ir_0	$i+_0+_0+_0$	$cbcm_0$	$bccbm_0$
Spurn Head	cq	cprc	cm_0	bc
Catterick	$crrm_0cm_0$	cm_0++i+_0	cpr_0cbc	cbbc
Tynemouth	oir_0oc	cp_0q	cp_0qcbc	bc
St. Abbs Head	$crrm_0$	cp+++	crrbcc	bcb
Leuchars	$cr_0r_0m_0c$	$ci+_0+_0+_0$	$cr_0r_0pr_0c$	cpr_0bcb
Renfrew (Abbots I.)	$cm_0r_0r_0ir_0$	$cir_0r_0r_0$	cm_0bcm_0	pr_0c
Eskdalemuir	$crrr_0m$	cr_0r_0	cir_0c	c
Point of Ayre	ddrrc	++Rc	bccb	bbcc
Tiree	$orrr_0d$	od_0+	$cprRr_0c$	$cbrr_0$
Stornoway	crr	c++	c	cbw
Dalwhinnie	or_0r_0	oi+		oirc
Aberdeen	$crrm_0$	cr_0r_0	cir_0ir	circ
Wick	$crrr_0r_0m$	$+_0+++_0c$	cr_0r_0c	c
Sumburgh	$cffcm_0$	$cr_0r_0m_0$	$cm_0r_0r_0d$	cd_0ffrdc
Blacksod Point	c	c	c	pr
Malin Head	+	r	pr	pr
Aldergrove	$+rr_0rc$	++cprc	cbccrrc	c
Birr Castle	+	+	*	pr
Valentia Obsy.	pr	bc	pr	pr
Roches Point	+	•+	bc	bc

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Moderate Westerly winds backing South-westerly and decreasing tonight. Thundery showers, fair periods becoming generally fair tonight but increasingly cloudy tomorrow. Average temperature.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ...	Moderate to fresh Westerly wind backing Southwesterly, cloudy with occasional rain or showers. More general rain spreading from West affecting whole area by noon 10.8.1942. Average temperature.
10 N.E. England 11 S.E. Scotland	As 1-4
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland	As 5-9
14 Mid Scotland 15 N.E. Scotland	As 1-4
16 Orkneys and Shetlands	Moderate Southerly wind. Cloudy with some occasional drizzle becoming fair later this afternoon and tonight. Average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 5-9.

GENERAL INFERENCE

Pressure is low over Iceland, and a depression in Mid-Atlantic is moving East-north-east. Associated troughs will approach and cross our Western districts tomorrow morning. There will be thundery showers with fair periods in Eastern districts, but cloudy conditions are expected tomorrow following a fair night. It will be cloudy with occasional rain and showers in the West. More general rain will spread to these areas tomorrow morning.

FURTHER OUTLOOK

Showery in Western districts. Rain at first in Eastern districts followed by showery conditions later.

Forecasts issued at 10.30.

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

7h. SUNDAY 9th AUGUST 1942.

LOW

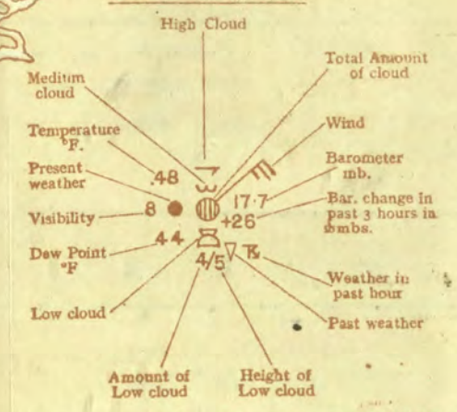
HIGH

996 998 1000 1002 1004 1006 1008 1010 1012 1014

10° 5°W. 0° 5°E

60° 55° 50°

STATION MODEL



5°E. Scale 1 : 5,000,000.

Mb 1050 1040 1030 1020 1010 1000 990 980 970 960 950 940 930

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Sunday 9th August

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 800

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

SUNDAY 9TH AUGUST 1942

No. 29480

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	59	*	*	*	*	*	*	*	*	*
	Croydon	290	10·3	+6	SW	3	bc/d	58	97	57	7	5	–	–	2-3	2-3	1500
	S. Farnborough	226	10·5	+16	WSW	3	bc	57	92	55	7	5	–	–	2-3	2-3	2500
	Boscombe Down	417	11·3	+10	WSW	3	b	55	97	54	7	5	–	–	Tr	Tr	4000
	Thorney Island	10	11·3	+10	W'N	3	bc	59	92	56	6	5	–	–	2-3	2-3	2500
	Lympne	283	12·5	–6	SW	3	z_o	60	97	59	6	5	–	–	10	10	900
	Manston	154	10·5	–4	SW	3	o/d	61	92	58	6	5	–	–	10	10	900
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	10·3	–14	SSW	3	z_o	63	92	60	6	5	–	–	4-6	4-6	1200
	Gorleston	5	10·4	–10	SW'S	3	pr	60	97	60	6	6	–	–	10	10	800
	Mildenhall	15	08·3	–6	S'W	3	$d_o d_o$	61	97	59	5	5	–	–	10	10	600
	Cranwell	203	07·4	+2	WSW	4	z_o	58	97	57	6	–	–	–	0	0	–
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	09·0	+14	SW	3	z_o	56	97	55	6	5	–	–	1	1	1500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	11·0	+8	W	4	bc	60	92	58	7	5	–	–	4-6	4-6	2500
	Bristol	209	11·1	+14	WSW	3	z_o	58	97	57	6	–	4	–	0	Tr	–
	Portland Bill	32	11·8	+4	W	4	c	59	92	57	7	5	–	–	7-8	7-8	4000
	Plymouth	82	12·9	+10	W	3	bc	57	97	56	7	5	–	–	4-6	4-6	1500
	The Lizard	240	13·5	+8	W	3	bc	58	92	56	8	4	–	–	4-6	4-6	2000
	Scilly (St. Mary's)	163	13·0	+18	W	2	bc	59	85	55	8	8	–	–	2-3	2-3	1200
	Guernsey	175															
6	Pembroke	142	10·9	+12	W	4	bc	59	97	58	7	7	–	–	2-3	2-3	2500
7	Holyhead (Valley)	32	08·5	+14	W	3	bc	58	92	55	8	4	6	3	2-3	7-8	3000
	Chester (Sealand)	16	08·1	+18	SW'S	2	c	57	85	53	8	4	2	–	4-6	9+	3000
8	Manchester	235	08·3	+20	W'S	2	z_o	56	97	55	6	5	–	–	4-6	4-6	2500
10	Spurn Head	29	07·8	+2	S'W	3	z_o	60	97	58	6	8	2	–	4-6	7-8	1500
	Catterick	175	06·9	+12	WSW	2	bc	55	92	52	7	5	–	–	2-3	2-3	1500
	Tynemouth	108	05·7	+14	W	2	bc	57	92	54	6	2	–	–	2-3	2-3	2500
11	St. Abbs Head	280	03·3	+8	W	3	c	58	85	50	7	5	–	–	10	10	2500
	Leuchars	36	03·0	+18	W	3	c/pr	57	97	55	7	8	7	–	4-6	9+	2500
12	Renfrew (Abbots I.)	19	04·8	+16	W'S	1	z_o	55	92	52	6	5	–	–	4-6	4-6	2100
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	06·7	+12	W'N	2	b	55	97	54	8	8	–	–	1	1	4500
13A	Tiree	22	03·0	+10	W	2	c	57	92	55	7	5	–	–	10	10	1500
13B	Stornoway	80	00·5	+6	SSW	3	c	56	92	54	7	5	7	–	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	02·1	+16	SSW	1	$r_o r_o$	57	97	57	6	5	7	–	4-6	10	2500
	Wick	114	01·5	+10	–	0	c/r	55	92	55	8	5	–	–	7-8	7-8	2000
16	Sumburgh	19	01·7	+6	S	2	id_o	54	97	54	5	5	1	–	4-6	10	1000
17	Blacksod Point	18	06·2	+2	W	3	bc	58	85	54	8	5	–	–	4-6	4-6	1500
18	Malin Head	84	04·1	+6	SW	4	bc	56	92	54	8	8	–	–	4-6	4-6	1500
	Aldergrove	268	06·2	+6	SW	1	bc/pr	55	92	53	7	5	–	–	4-6	4-6	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·2	–2	SW'S	3	c	59	97	58	7	2	7	–	7-8	10	1500
	Roches Point	22	10·6	+6	W	3	bc	57	92	55	8	5	–	–	2-3	2-3	1500

OBSERVATIONS at 7 hr. G.M.T. Sunday 9th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 8th Hrs. (38)
London (Kew)	12·3	+16	SW'W	1	bc	59	92	56	7	5	3	–	4-6	4-6	2500	1	*	63	56	46	2	1	0·0
Croydon	12·3	+14	W	3	bc	59	92	57	7	5	4	–	2-3	7-8	700	2	*	64	55	53	2	2	0·2
S. Farnborough	12·5	+16	WSW	3	bc	57	92	55	8	5	3	–	Tr	4-6	1000	1	*	65	55	52	1	1	0·0
Boscombe Down	13·3	+14	SW'W	3	z_o	57	97	55	6	4	6	–	2-3	4-6	4000	1	*	60	51	44	5	1	0·0
Thorney Island	13·1	+16	W'N	3	bc	59	92	57	7	5	3	–	Tr	2-3	1500	1	*	65	55	52	2	0·4	*
Lympne	13·4	+10	W	2	c	58	85	55	7	5	–	–	10	10	800	1	§ 3	66	56	*	Tr	1	0·3
Manston	11·8	+14	W'S	2	z_o	60	85	56	6	5	–	–	9+	9+	1500	0	*	68	58	55	0·2	0·1	0·1
Shoeburyness	12·3	+14	W'S	3	bc	61	85	56	6	5	–	–	4-6	4-6	1500	0	*	67	59	56	1	2	0·0
Felixstowe	*	*	W	3	bc	60	85	56	7	5	3	–	7-8	7-8	1300	1	2	66	59	58	Tr	2	0·0
Gorleston	10·4	+12	W'N	2	c	60	92	57	7	5	–	–	10	10	1500	1	3	68	58	57	2	8	1·5
Mildenhall	10·9	+18	W'S	3	c	59	85	55	7	1	3	–	Tr	7-8	2500	1	*	64	55	50	3	0·4	0·0
Cranwell	10·0	+18	W'S	4	bc	55	92	53	7	–	3	3	0	2-3	–	1	*	[illegible]	54	49	4	1	1·0
Birmingham	11·0	+14	SW	3	b	56	92	54	8	–	7	–	0	1	–	1	*	65	53	48	2	3	0·0
Upper Heyford	11·2	+14	SW	3	b	57	97	55	7	5	3	–	Tr	1	4000	1	*	62	53	47	5	3	*
Ross-on-Wye	11·5	+4	SSW	2	bc	57	92	54	7	8	4	–	1	2-3	3500	1	*	67	53	47	8	–	0·1
Hartland Point	12·1	+6	WSW	3	c	60	85	56	7	8	7	–	4-6	9+	2000	1	4	64	59	56	9	–	0·7
Bristol	13·3	+16	WSW	2	pr	59	97	57	8	9	6	–	9	9	1500	1	*	64	56	49	3	1	0·0
Portland Bill	13·6	+18	W	4	bc	60	92	58	8	5	–	–	4-6	4-6	4000	1	4	61	51	*	4	0·4	*
Plymouth	13·8	+10	WSW	2	c	60	92	58	7	5	7	–	7-8	9	2500	1	2	65	56	50	2	Tr	1·9
The Lizard	13·6	+4	WSW	3	c/pr	59	97	59	8	8	6	–	7-8	7-8	2000	1	4	63	57	*	3	0·5	3·7
Scilly (St. Mary's)	13·6	+6	W'S	4	bcjp	60	92	58	8	8	4	4	4-6	4-6	800	1	3	66	58	*	2	1	4·8
Guernsey																							
Pembroke	11·2	+8	SSW	3	c	59	85	55	7	8	6	–	4-6	7-8	2500	1	4	63	54	*	5	–	3·1
Holyhead (Valley)	09·3	+10	SW	4	c	58	85	54	8	8	6	9	1	9	2000	1	3	63	56	53	5	–	*
Chester (Sealand)	08·6	+10	SW'S	1	bc	59	85	53	9	–	7	3	0	2-3	–	1	*	70	55	45	1	Tr	2·5
Manchester	10·0	+14	S	3	bc	56	97	55	7	1	3	1	1	2-3	2500	1	*	66	53	49	1	–	*
Spurn Head	09·3	+16	W'N	4	bc	59	85	54	7	1	3	1	2-3	4-6	4000	1	3	63	56	*	3	1	0·2
Catterick	09·0	+14	S'W	2	bc	58	85	54	8	1	6	–	1	2-3	3000	1	*	67	52	46	3	3	0·1
Tynemouth	08·8	+18	NE	3	bc	58	92	55	6	–	3	–	0	2-3	–	1	3	67	54		2	0·2	*
St. Abbs Head	05·6	+14	SW	3	bc	56	85	50	8	5	–	–	2-3	2-3	3500	0	2	66	53	*	3	1	*
Leuchars	05·2	+10	SW	2	c	55	97	53	7	4	6	3	2-3	7-8	4000	1	*	66	51	47	5	1	0·0
Renfrew (Abbots I.)	05·8	+10	SW	3	c	58	85	54	8	5	7	1	4-6	9+	1200	1	*	65	54	50	4	1	0·0
Eskdalemuir	07·1	+8	SW	3	c	53	92	51	6	5	–	9	7-8	7-8	900	1	*	61	49	45	11	1	0·0
Point of Ayre	07·8	+8	W'S	4	c	57	92	55	8	4	7	6	2-3	9+	3000	1	3	63	53	*	16	0·5	0·5
Tiree	02·7	+2	SW'S	3	$r_o r_o$	57	97	56	7	–	2	–	9+	9+	1200	1	4	60	56	*	6	1	0·3
Stornoway	01·6	+10	SSE	3	c	56	92	54	8	5	7	–	7-8	9+	2500	1		60	56	*	23	–	0·0
Dalwhinnie	03·9	+6	SW	3	id	53	92	51	7	5	–	–	9+	9+	1500	1	*	61	49	42	7	3	0·0
Aberdeen †	05·0	+12	WSW	1	c	57	92	55	8	7	7	–	9+	9+	2500	1	2	64	56	53	5	2	0·4
Wick	03·4	+12	SSW	1	c	56	92	54	9	5	7	–	7-8	9	3500	1	*	58	53	48	7	2	*
Sumburgh	03·4	+14	–	0	$d_o d_o$	56	97	54	4	5	2	–	7-8	10	300	1	3	60	53	53	0·4	3	0·1
Blacksod Point	06·9	+8	W	3	c/pr	58	92	56	8	5	5	–	4-6	9+	1500	1	3	64	56	*	2	0·5	*
Malin Head	04·1	+2	SSW	3	r_o	57	85	53	8	8	2	–	7-8	10	1500	1	2	61	55		3	3	1·7
Aldergrove	06·7	+4	SW	3	c	56	92	54	7	5	7	–	7-8	9+	800	1	*	62	53	49	5	1	0·4
Birr Castle	08·7	+10	WSW	2	c	57	97	56	8	8	–	–	7-8	7-8	1500	1	*		53	51		3	3·4
Valentia Obsy.	11·5	+12	W'S	4	c	59	92	57	8	8	4	–	9+	9+	4000	1	4	64	58	56	0·6	1	6·9
Roches Point	11·0	+14	W	3	bc	58	97	57	8	5	–	5	2-3	4-6	2500	1	4	67	57	*	3	Tr	*

IF

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 8th August $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 9th August $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	62	62525	45668	62	64325	20668	5-	61528	17368	8-	02766	18226
115	52	44635	08268	--	67109	20369	52	02834	20487	52	02834	20427
203	6-	64638	16368	8-	02838	16468				99	10752	24114
206				57	02855	24328	60	00863	00063	53	01854	22125
210	51	02857	10468	83	10854	19267	5-	75667	18287	3-	2589-	02646
220	52	64626	21168	53	02734	24316				52	03736	21428
230	5-	54505	18168	52	22946	18368	5-	01744	16314	53	02745	17127
245	52	02744	51567	52	22856	20368	87	81667	18288	54	01964	20284
260	17	02844	53667				52	52644	20355	53	01842	20214
278	62	62626	18268	9-	97638	18398	50	00742	19382	57	81847	20387
279	62	58637	21468	62	62635	52468	87	02675	22365	87	02745	22326
285												
288	52	61745	47545	62	62643	49368	54	05641	18223	04	01890	18223
575	52	62843	22628	24	01852	24414	5-	02856	24226	87	81846	22387
301	32	65685	52668	8-	25754	22368	4-	02755	24415	23	01853	23414
321	62	02737	51428	22	63733	51368	5-	05645	18266	08	05690	20114
299	8-	05648	20428	8-	02748	18528	50	02746	24216	44	01753	20114
292	62	05547	14428	57	02843	19327	80	81653	24183	24	05662	00034
310				2-	63757	62645						
614	52	05656	16328	31	22643	20168	50	05653	20213	14	05651	20212

III	13h. G.M.T. 8th August $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 9th August $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	5-	64628	20568	53	01723	20414	13	01853	20314	83	0864	20315
334	--	63548	26388									
340				76	02973	16465	03	01990	23304	94	01990	22302
136	62	61536	16368	57	05644	20367	62	62635	18368	53	05673	22264
336	62	64826	20568	13	01754	20415						
350	52	02747	49468	8-	66638	50428	50	05632	20362	54	05672	22313
368	52	61746	22568	53	21827	22467	83			83	01754	22314
379	6-	61728	20568	6-	64628	18468	50	05642	24352	50	00732	20303
390	32	16468	14264	52	64527	16368	57	21435	20468	5-	05645	12232
882	52	51725	51468	62	64626	16255	04	00790	21221	53	01741	24224
438	5-	61657	20427	5-	02757	18327	5-	01643	20628	80	01-43	26513
430	5-	62638	16268	57	05663	18327	50	00761	22251	13	01761	24213
409	62	64627	51568	54	01743	24464	5-	05625	23328	57	25734	21386

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 9th August 42.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	$ir_o m_o r_o r$	$rr_o rr_o c$	cr_o bbcw
Croydon	$cr_o cd_o$	cidcir	$d_o d_o$ cmbc
Greenwich	cir_o	cir	crcbc
Camden Square	o	c	*
Kensington	ocpc	cp	*
Hampstead	or	orbc	bc

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

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	63	56	46	2	1	0·0	*	*
Croydon	64	55	53	2	2	0·2	*	*
Greenwich	65	56	53	3·1	0·8	0·0	83	73
Westminster	65	57	56	0·9			89	81
Regents Park								
Camden Square	62	57	53	0·5	0·8	*	*	74
Kensington	64	57	54	0·8	0·6		95	67
Hampstead	62	54	53	1·3	1·3		*	87

SECRET

BRITISH SECTION

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

Monday 10th August 1942

No. 29481

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	13.4	+2	SW'W	3	c	68	75	58	8	8	3	-	7-8	7-8	2500
	Croydon	13.6	+4	SW'W	2	pr	67	65	57	8	8	3	-	4-6	9	2300
	S. Farnborough	13.6	+2	SW'W	4	c	69	55	53	9	8	6	-	7-8	9+	2000
	Boscombe Down	13.8	+2	SW	4	c/pr	66	65	53	8	8	-	-	9+	9+	2500
	Thorney Island	14.6	+6	SW'W	4	c	69	65	57	8	8	-	-	7-8	7-8	4000
	Lympne	15.1	+8	SW	3	bc	67	75	59	8	2	6	-	7-8	7-8	2500
	Manston	13.5	+10	NNW	1	c	67	65	55	7	9	6	-	7-8	7-8	3800
2	Shoeburyness	14.4	+4	WSW	2	c	71	65	55	7	8	-	-	7-8	7-8	2800
	Felixstowe	13.0	+8	W	2	c	71	55	54	8	8	-	-	9	9	5700
	Gorleston	13.0	+12	NE	2	c	67	75	57	7	7	-	-	9+	9+	2500
	Mildenhall	12.3	+4	WSW	3	c	70	55	53	9	2	6	-	4-6	7-8	2500
	Cranwell	11.4	+2	WSW	3	c	67	65	54	7	8	6	-	4-6	9+	2500
3	Birmingham	11.5	0	SW	3	bc	68	55	51	8	8	7	-	4-6	7-8	2500
	Upper Heyford	12.0	+2	SW	4	c/pr	67	65	55	8	8	3	-	4-6	9	2200
4	Ross-on-Wye	12.3	+6	W'S	3	pr	64	75	57	8	8	-	-	9+	9+	3000
5	Hartland Point	13.9	+12	W	4	c	61	92	58	8	2	7	-	2-3	7-8	1500
	Bristol	14.0	+6	W'S	3	c	65	85	60	8	2	7	-	4-6	9	1500
	Portland Bill	14.4	+4	SW	4	c	62	85	59	8	2	-	-	9	9	4000
	Plymouth	15.2	+6	SW'W	3	pr	63	85	59	8	8	7	-	7-8	10	1000
	The Lizard	15.7	+10	WSW	4	bc	64	75	59	8	8	6	1	4-6	4-6	2500
	Scilly (St. Mary's)	16.0	+10	WSW	3	bc	67	75	59	8	8	-	4	4-6	4-6	1200
	Guernsey															
6	Pembroke	13.4	+12	W'S	4	bc	62	85	58	8	2	4	-	2-3	4-6	2500
7	Holyhead (Valley)	11.3	+8	SSW	4	bc	63	85	58	8	8	4	1	1	2-3	3000
	Chester (Sealand)	10.7	+6	WNW	2	c	67	65	53	8	8	6	-	7-8	9	2500
8	Manchester	10.5	0	SW'W	4	c	69	65	56	9	2	6	-	4-6	7-8	2500
10	Spurn Head	11.1	+6	E	2	c	62	85	59	7	7	7	-	4-6	10	2000
	Catterick	10.5	+6	W	3	pr	63	75	52	8	2	7	-	7-8	9+	2500
	Tynemouth	09.4	+4	W	2	pr	62	85	58	6	2	-	-	7-8	7-8	2400
11	St. Abbs Head	07.1	+2	SW	3	c	66	55	51	8	1	7	-	4-6	7-8	3500
	Leuchars	07.0	+6	SW	4	pr	64	75	56	8	8	6	1	4-6	9+	2500
12	Renfrew (Abbots I.)	07.2	+2	WSW	4	c	65	65	52	8	2	3	3	4-6	7-8	1500
	Eskdalemuir	08.2	+6	S'W	4	c	60	85	54	8	8	-	-	7-8	7-8	1200
	Point of Ayre	09.2	+6	NW	4	b	68	65	56	8	1	6	-	Tr	1	2000
13A	Tiree	04.6	+16	W	4	c/pr	59	92	57	8	8	3	-	4-6	7-8	1800
13B	Stornoway	02.9	+6	SSE	3	c	60	85	56	8	8	9	-	4-6	9	2000
15	Dalwhinnie	05.2	+8	SW	3	ir	56	85	52	7	5	2	-	4-6	10	2500
	Aberdeen	25.9	+4	S'W	4	b	68	65	56	9	8	-	3	1	1	2500
	Wick	05.2	+4	SE	2	bc	60	85	54	9	8	7	2	2-3	2-3	3000
16	Sumburgh	06.8	+14	S	2	bc	57	92	55	7	5	3	-	4-6	4-6	3500
17	Blacksod Point	08.3	+10	WSW	4	c	63	75	55	8	8	4	6	4-6	7-8	1500
18	Malin Head	06.4	+14	WSW	4	c	60	85	56	8	8	2	-	4-6	7-8	1500
	Aldergrove	08.2	+6	SW	2	c	64	75	56	9	7	7	-	7-8	9	2500
19	Birr Castle	10.7	+12	WSW	3	c	65	75	57	8	8	7	-	7-8	9	1500
20	Valentia Obsy.	13.2	+6	W'S	4	c	63	75	55	8	8	-	-	9+	9+	2500
	Roches Point	12.8	+10	WSW	4	bc/pr	65	85	60	9	3	-	-	4-6	4-6	1500

OBSERVATIONS at 18h. G.M.T. 9th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 9th (39)	Weather 13h.–18h. 9th (40)	Weather 18h 9th to 1h. 10th (41)	Weather 1h.–7h. 10th (42)
London (Kew)	14.0	+8	SW	3	bc	64	85	59	8	8	-	-	4-6	4-6	2500	1	•	wcprc	ccrcck	bcbw	bbccw
Croydon	14.6	+10	SW'S	3	bc	64	92	61	8	2	3	4	1	4-6	2300	1	•	bcc	ccprc	bccprb	bfcmoido
S. Farnborough	14.5	+2	WSW	2	c/pr	64	85	59	8	3	-	-	7-8	9	3000	1	•	ccy	cybcPRc	cbcvb	bbcc modo
Boscombe Down	14.7	+6	WNW	3	bc	65	65	52	9	2	6	3	4-6	7-8	3000	1	•	bccpc	cPRpr	bcbmo	ofecdoc
Thorney Island	14.7	+2	WSW	4	bc	65	85	59	8	8	3	4	4-6	7-8	4000	0	•	bbc	bccbc	bcc,bw	bciRo
Lympne	16.1	+10	WSW	3	bc	63	85	57	8	1	5	-	1	7-8	3500	0	§4	cyc	cbc	bcbfcmo	cocmodo
Manston	14.4	+10	SW'W	3	c	67	65	55	8	9	6	-	4-6	7-8	3000	0	•	bc	bcgtlc	prcrcbmo	dodo
Shoeburyness	14.6	+10	W'S	2	c/r	64	85	59	7	8	-	-	9+	9+	2100	1	•	bcmcy	cytlprc	cproc	c
Felixstowe	14.1	+10	WSW	2	ir	70	55	55	6	8	-	-	7-8	7-8	4000	1	2	cbccy	cycyrm	bbw	cbc
Gorleston	14.2	+8	S'E	3	c/pr	64	85	59	7	8	-	-	7-8	7-8	1200	1	3	c	bcpct	bmo	bcmow
Mildenhall	13.1	+6	SW	3	bc/pr	67	75	58	8	3	6	3	2-3	4-6	2500	0	•	bcc	bcycpcbc	bcb	b,c
Cranwell	12.2	+6	W	3	coc	64	75	57	8	8	-	3	7-8	7-8	2000	1	•	bcc	cbcirc	crorobcmo	cmocirc
Birmingham	12.7	+4	SW	2	bc	66	75	58	8	8	4	3	2-3	4-6	2500	1	•	bbcprc	bcPRc	bcb	bciro
Upper Heyford	13.1	+10	SW'W	2	c	60	85	57	9	5	6	3	7-8	7-8	3500	1	•	bbcprcc	cjprc	cbcb	bcmocmo
Ross-on-Wye	13.0	+4	WSW	3	bcjp	66	75	56	8	2	-	1	4-6	4-6	3500	1	•	bccpc	Prcbc	bcbbc	bcc
Hartland Point	14.7	+2	WSW	3	bc	63	85	59	8	2	4	4	2-3	4-6	1500	1		cir	cprbc	bcc	cpo
Bristol	14.8	+6	W'S	4	b	65	75	58	8	1	-	1	1	1	2500	1	•	cprcbcprc	cbcvD	bbc,c	b,cbcido
Portland Bill	14.8	+2	SW	4	c	61	92	59	8	5	-	-	10	10	4000	1	4	c	c	bc	oc
Plymouth	16.0	+4	W	4	S	62	85	59	8	8	4	-	7-8	9	2000	0	2	cprmido	cproc	cprobc	c
The Lizard	16.5	+2	WSW	3	bc/pr	63	85	60	8	8	-	-	4-6	4-6	2500	1	2	cbc	bccpr	cprbc	bcc
Scilly (St. Mary's)	16.5	0	WSW	3	bc	65	85	59	8	8	4	-	2-3	4-6	1200	1	3	bccbc	bc	bccbc	bccodd
Guernsey																					
Pembroke	14.4	+4	WSW	4	bc	60	92	57	8	2	4	1	1	2-3	3000	1	3	cbc	bc	cbcc	cqrrm
Holyhead (Valley)	11.9	+2	SW'S	4	cjp	61	85	56	8	8	7	1	4-6	7-8	2500	1	3	cpr	bc	bcjpc	corr
Chester (Sealand)	11.5	+4	SSE	3	cjp	66	65	55	8	8	4	4	4-6	9+	3000	0	•	bcc	cproc	cbcc	crrccro
Manchester	11.8	+10	W'N	2	bc	65	75	59	7	2	6	3	2-3	4-6	4000	1	•	cprcpr	cprc	bccmo	cirorc
Spurn Head	12.0	-4	SE	2	bc	60	92	57	7	1	3	1	4-6	4-6	4000	1	2	cpr	bc	bc	c
Catterick	11.0	+2	W'S	3	bc	65	65	53	9	2	7	4	2-3	4-6	2500	1	•	cpro	cprobc	cbcc	cpRRmmo
Tynemouth	10.4	+6	W	3	c	67	65	57	7	2	-	-	7-8	7-8	2400	1	2	bccp	cpc	c	coir
St. Abbs Head	07.8	0	SW	3	c	64	65	53	9	2	4	-	4-6	7-8	3500	0	3	bbcc	cbcc	bcc	crrmocir
Leuchars	07.6	+4	SW	3	c	65	75	56	8	8	6	-	4-6	7-8	2500	0	•	cbcpro	prcbc	bccmo	crororm
Renfrew (Abbots I.)	08.2	+4	WSW	3	c/pr	61	85	56	7	8	7	-	4-6	9+	1600	1	•	irprc	cpro	cirorooro	cmororodo
Eskdalemuir	09.5	+8	SSW	4	pr	58	85	54	8	8	-	-	10	10	900	1	•	PRpr	PRpr	cpr	ciRor
Point of Ayre	10.1	+2	W'S	4	c	65	75	56	8	2	6	6	Tr	9	2000	0	3	cbcb	bbcc	c	birrDD
Tiree	06.3	+10	WSW	4	c/pr	58	92	56	8	8	-	8	4-6	7-8	2000	0	4	cpr	bccidr	ciro	coirR
Stornoway	04.0	+10	SW	4	pr	61	75	54	8	8	4	-	7-8	9+	2000	1	2	cprc	cpr	cpr	crorc
Dalwhinnie	06.6	+4	SW	3	c	57	92	54	7	8	-	-	7-8	7-8	2500	1	•	circ	circ		coiroc
Aberdeen	07.3	+4	S'W	3	c	61	85	56	7	8	-	-	7-8	7-8	2500	1	2	cbccpro	bcc	cbc	bcciro
Wick	05.7	+2	SE	2	c	57	92	54	9	8	7	5	4-6	7-8	3000	1	•	c	bcc	bcb	c
Sumburgh	07.8	+6	SE	3	bc/f	57	92	55	7	5	-	1	2-3	2-3	<150	1	2	cngdfcbc	bcF,fb	bFFidoc	c,cpro
Blacksod Point	08.3	-14	SW	4	c	59	85	52	8	8	-	-	10	10	1500	1	3	bc	c	r	pr
Malin Head	07.7	+8	W'S	4	c	59	85	54	8	5	2	-	7-8	10	2500	1	2	r	c	r	r
Aldergrove	09.9	+6	W'S	3	c	60	75	54	8	8	7	-	4-6	9+	3000	1	•	cpcc	c	ciro	crorrmoc
Birr Castle	10.9	+2	SSW	2	c	64	75	56	8	5	-	8	7-8	9	2500	1	•	pr	c		r
Valentia Obsy.	11.7	-14	S'W	4	c	63	75	55	8	8	-	-	9+	9+	1500	1	4	pr	bc	pr	pr
Roches Point	12.9	+2	W'S	4	c	63	85	58	9	3	3	-	4-6	7-8	1500	1	4	pr	bc	r	r

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Fresh to strong southerly winds veering southwesterly and later westerly. Cloudy with a belt of rain moving quickly eastwards during the afternoon and evening. Showery conditions later, but considerable fair periods to-night. Average temperature.
4 W. Midlands; 5 S.W. England; 6 South Wales ↓; 7 North Wales ↓; 8 N.W. England ↓	Fresh to strong southwesterly winds veering slowly to westerly. Some rain in east of area at first, becoming showery, generally. Considerable fair periods inland to-night. Average temperature.
9 N. Midlands; 10 N.E. England ↓; 11 S.E. Scotland ↓	As 1-3.
12 S.W. Scotland & Isle of Man ↓; 13A W. Scotland ↓; 13B N.W. Scotland ↓	Fresh to strong southerly winds, veering to west-southwest slowly. Cloudy with some rain or showers. Average temperature.
14 Mid Scotland; 15 N.E. Scotland ↓	Strong southeasterly wind veering southwesterly later; considerable rain to-day becoming showery to-morrow. Temperature average.
16 Orkneys and Shetlands ↓	As 14-15
17 N.W. Ireland ↓; 18 N.E. Ireland ↓; 19 S.E. Ireland ↓; 20 S.W. Ireland ↓	As 12-13

GENERAL INFERENCE

A deep depression centred to the west of Scotland is moving north-northeast. Weather will be generally cloudy with a belt of rain crossing the country quickly during to-day, being followed by showery conditions.

FURTHER OUTLOOK

Continuing showery with local thunder.

↓ Gale warning in operation in districts 13A 13B, 17 18 19 20; time of issue 1545 G.M.T. 9. 8. 42. Districts 5 (part of) 6, 7, 8, 12; time of issue 0420 G.M.T. 10. 8. 42. Districts 10, 11, 15, 16; 0845 G.M.T. 10/8.

Forecasts issued at 1030.

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

7h. Monday 10th August 1942.

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F.

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in mbs.

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud

Scale 1 : 5,000,000.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Monday 10th August

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Monday 10th August 1942

No. 29,481

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	•	•	•	•	•	58	•	•	•	•	•	•	•	•	•
	Croydon	290	15·9	0	S	2	bc	56	97	56	6	5	–	–	2-3	2-3	2500
	S. Farnborough	226	15·7	-2	SW	2	bc	54	97	53	8	5	–	–	2-3	2-3	2000
	Boscombe Down	417	16·2	-4	S'W	3	z0	53	97	52	6	–	8	–	0	1	–
	Thorney Island	10	16·0	-2	WSW	3	b	59	97	58	8	5	–	–	Tr	Tr	4000
	Lympne	283	17·0	-2	WSW	3	c/f	57	97	57	6	–	–	7	0	10	–
	Manston	154	15·6	-2	SW'W	2	z0	57	97	56	6	–	6	–	0	Tr	–
2	Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Felixstowe	12	14·9	-6	SW	2	b	59	97	57	7	–	–	–	0	0	–
	Gorleston	5	15·4	+2	SW'W	2	z0	58	85	54	6	–	4	–	0	1	–
	Mildenhall	15	13·9	-2	SW	3	bc	58	92	55	7	–	7	–	0	2-3	–
	Cranwell	203	13·1	-2	SW'W	2	z0	56	92	54	6	5	7	–	2-3	4-6	3000
3	Birmingham	538	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Upper Heyford	408	14·3	-4	SW'S	2	bc	55	97	53	7	5	–	–	2-3	2-3	2500
4	Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5	Hartland Point	299	13·1	-16	W	4	c	59	92	57	8	8	2	–	4-6	9	2500
	Bristol	209	15·3	-6	SSW	2	bc	57	92	55	8	5	4	–	2-3	2-3	3500
	Portland Bill	32	15·2	+4	SW	4	bc	58	92	56	7	5	–	–	4-6	4-6	4000
	Plymouth	82	15·8	-10	SSW	3	c	60	97	59	8	5	–	6	9	9+	2000
	The Lizard	240	15·3	-8	SSW	3	bc	58	92	56	8	8	–	–	4-6	4-6	2800
	Scilly (St. Mary's)	163	14·1	-18	SW'S	4	bc	60	92	57	8	4	–	–	2-3	2-3	1200
	Guernsey	175															
6	Pembroke	142	12·2	-16	SW'S	5	c	60	92	58	8	8	–	–	7-8	7-8	2500
7	Holyhead (Valley)	32	10·4	-10	S	6	c	59	92	56	8	5	2	–	4-6	10	1100
	Chester (Sealand)	16	11·3	-12	SE'S	1	c	57	85	54	8	5	2	–	7-8	9+	3000
8	Manchester	235	12·0	-6	'S'E	3	c	57	92	54	6	5	3	–	2-3	7-8	4000
10	Spurn Head	29	12·8	-2	SW'S	3	bc	58	92	56	7	4	–	–	4-6	4-6	2500
	Catterick	175	11·9	-2	S	3	ir0	55	97	54	6	–	2	–	0	10	–
	Tynemouth	108	11·3	-2	SW	3	c	58	92	56	6	8	–	–	7-8	7-8	2500
11	St. Abbs Head	280	08·6	+2	SW	3	c	58	85	54	7	5	7	–	4-6	7-8	4000
	Leuchars	36	08·2	-2	–	0	z0	57	97	55	6	5	–	–	10	10	3500
12	Renfrew (Abbots I.)	19	07·4	-14	E	2	r0r0	57	92	55	6	5	2	–	7-8	10	1600
	Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Point of Ayre	30	09·3	-14	SSW	4	[illegible]	58	92	56	8	6	2	–	4-6	10	1500
13A	Tiree	22	03·8	-28	SSE	5	c/r	56	97	55	7	5	–	–	9+	9+	1800
13B	Stornoway	80	03·4	-16	S	4	c	55	97	55	8	5	7	–	7-8	10	2500
15	Dalwhinnie	1176	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Aberdeen †	79	07·3	-6	SW	2	c	57	92	54	8	5	–	–	7-8	7-8	5000
	Wick	114	06·2	-4	SSE	1	bc	54	92	52	9	5	–	–	2-3	2-3	4000
16	Sumburgh	19	07·0	-10	SE	4	bc/f	55	97	54	6	5	–	–	4-6	4-6	600
17	Blacksod Point	18	97·8	-60	S	6	r0r0	60	92	58	7	–	2	–	10	10	800
18	Malin Head	84	02·8	-38	S'E	3	rr	56	92	54	6	–	2	–	10	10	800
	Aldergrove	268	06·1	-26	SSE	3	ir0	57	85	53	7	5	2	–	7-8	10	1500
19	Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20	Valentia Obsy.	30	02·8	-8	SSW	6	ir	62	97	61	7	6	–	–	9+	9+	800
	Roches Point	22	07·1	-42	SW	6	ir0	60	92	58	8	6	2	–	4-6	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 10th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 9th. Hrs. (38)
London (Kew)	13·8	-10	S'W	3	PR	60	92	57	8	5	4	–	9	9+	1500	1	•	70	55	46	2	Tr	6·9
Croydon	14·5	-6	S	3	c/d	58	97	58	7	5	3	–	9	10	900	1	•	72	55	53	3	0·4	7·6
S. Farnborough	13·5	-10	S'W	3	d0d0	59	97	58	6	5	2	–	9+	10	600	1	•	71	53	44	3	0·1	7·4
Boscombe Down	13·3	-14	SSW	4	c/d	59	97	58	8	5	6	–	7-8	9	2500	1	•	68	52	47	1	0·6	7·7
Thorney Island	14·4	-10	SW	4	ir0	62	92	59	8	5	–	–	2-3	10	800	0	•	70	58	48	–	Tr	•
Lympne	16·8	0	SSW	3	c/d	59	97	58	6	6	2	–	9+	10	400	1	§3	71	55	*	–	Tr	8·3
Manston	15·1	+2	SSW	2	c	60	92	57	7	5	–	–	9+	9+	3500	0	•	70	54	52	0·5	0·1	6·5
Shoeburyness	15·2	-2	S'W	4	c	61	92	59	8	5	3	–	7-8	9+	2900	1	•	75	57	50	3	Tr	9·0
Felixstowe	14·8	-10	SSW	3	c	61	92	58	7	5	7	–	9	9	4000	1	2	74	60	59	10	Tr	6·8
Gorleston	14·5	-2	SW'S	2	z0	57	85	53	6	5	3	–	2-3	4-6	700	1	2	67	56	53	1	Tr	5·9
Mildenhall	12·9	-6	S'W	3	c	59	85	55	8	5	7	–	4-6	9+	3000	1	•	72	55	49	0·3	–	10·3
Cranwell	10·4	-14	S'E	3	c/r	56	92	54	7	5	7	–	7-8	9+	6000	1	•	*	54	47	0·4	Tr	7·6
Birmingham	10·1	-14	S	3	ir0	57	97	56	8	6	–	–	10	10	800	1	•	69	54	49	5	0·2	10·4
Upper Heyford	11·6	-16	S	3	c	57	97	55	7	6	7	–	7-8	10	500	0	•	69	53	47	0·3	–	•
Ross-on-Wye	08·7	-14	S'W	4	c	60	85	56	7	5	–	–	9+	9+	2000	1	•	68	56	52	8	–	7·3
Hartland Point	07·8	-22	SW	5	c/pr	61	85	58	8	3	–	–	9	9	1500	1	5	63	59	58	2	Tr	4·7
Bristol	12·0	-16	SSW	3	c	60	92	57	9	5	–	–	9+	9+	4000	1	•	69	56	49	0·5	0·3	9·6
Portland Bill	13·2	-14	S	5	c	59	92	57	7	5	–	–	10	10	2500	1	4	62	57	•	–	–	•
Plymouth	12·3	-12	SSW	5	c	61	92	59	7	8	3	–	7-8	9+	1000	1	4	67	58	56	1	Tr	2·7
The Lizard	11·0	-18	SSW	5	c	61	97	59	8	8	2	–	9	10	1500	0	5	67	57	•	2	Tr	8·8
Scilly (St. Mary's)	09·1	-18	SW'S	6	dd	61	97	59	6	5	–	–	10	10	200	1	4	67	59	•	–	0·2	10·6
Guernsey																							
Pembroke	05·6	-30	S'W	7	rr	59	97	59	4	6	–	–	10	10	1500	1	5	62	54	•	Tr	2	*
Holyhead (Valley)	05·0	-38	S'E	7	r0r0	59	97	58	5	6	2	–	9+	10	600	1	5	65	58	56	Tr	3	•
Chester (Sealand)	06·7	-30	SSE	3	ir0	58	92	56	7	6	7	–	9	9+	1500	1	•	70	57	54	–	10	6·6
Manchester	08·6	-22	SSE	4	c/r	58	92	56	6	5	7	–	9	10	2500	1	•	70	56	53	0·3	0·2	•
Spurn Head	11·4	-12	S	3	c	58	92	56	7	5	2	–	7-8	10	4000	0	2	62	57	•	5	Tr	8·5
Catterick	07·7	-22	S	3	rr	56	97	55	5	5	7	–	9+	10	3000	1	•	69	55	52	0·1	2	7·7
Tynemouth	07·8	-14	S	3	c/r	57	97	56	6	–	2	–	10	10	2200	1	3	70	56		5	1	•
St. Abbs Head	05·1	-18	SE	3	ir	55	97	55	6	6	2	–	7-8	10	2000	1	3	69	55	•	–	2	
Leuchars	03·1	-26	ESE	3	r0r0	57	97	57	6	6	2	–	4-6	10	600	1	•	69	57	51	Tr	2	9·8
Renfrew (Abbots I.)	00·7	-30	'S	3	d0d0	58	85	55	6	5	2	–	4-6	10	900	1	•	67	56	55	0·1	4	2·3
Eskdalemuir	02·8	-36	S'E	4	rr	55	97	54	4	–	2	–	10	10	200	1	•	63	54	54	2	6	3·1
Point of Ayre	01·5	-42	S'W	6	DD	58	97	58	6	6	2	–	9+	10	800	1	4	70	57	•	–	5	5·9
Tiree	94·6	-50	SSE	4	r0r0	56	97	55	6	–	2	–	10	10	600	1	5	61	56	•	4	6	3·3
Stornoway	97·3	-20	ESE	4	r0r0	56	92	54	8	5	7	–	7-8	10	2000	1	4	62	55	•	1	0·3	1·8
Dalwhinnie	00·2	-34	SSE	5	c	54	85	50	7	5	–	–	9+	9+	2500	1	•	61	52	49	4	1	2·0
Aberdeen †	04·1	-20	S	3	ir0	56	97	55	7	7	2	–	4-6	10	2000	1	2	69	55	50	Tr	0·1	7·7
Wick	03·4	-16	SSE	3	c	55	92	53	8	5	7	–	4-6	9	3500	1	•	62	52	45	–	Tr	•
Sumburgh	05·1	-10	SE'S	4	pr	56	92	54	7	5	7	–	4-6	10	3000	1	3	60	53	52	0·5	0·1	2·2
Blacksod Point	91·8	-22	S'W	5	pr	59	92	57	7	9	–	–	9+	9+	1500	1	4	63	57	•	•	6	•
Malin Head	92·7	-34	S'E	6	r	60	85	55	8	6	2	–	7-8	9+	800	1	3	62	56		1	3	2·4
Aldergrove	98·2	-30	S'E	4	c/r	58	97	57	8	5	2	–	9+	9+	900	1	•	68	56	55	0·2	3	3·5
Birr Castle	98·0	-18	SSW	4	c	60	85	55	8	8	2	–	7-8	10	1500	1	•	68	57	56	0·1	3	5·0
Valentia Obsy.	99·3	-14	SW'S	6	ir0	60	97	59	6	5	2	–	9+	10	1500	1	5	65	59	57	0·4	8	2·9
Roches Point	01·1	-14	SW	4	ir	61	92	59	8	6	2	–	4-6	9	800	1	5	67	59	•	Tr	7	•

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 9th August			18h. G.M.T.			01h. G.M.T. 10th August			07h. G.M.T.		
III	$C_L C_M$	$wwVhN_h$	DDFWN	$C_L C_M$	$wwVhN_h$	DDFWN	$C_L C_M$	$wwVhN_h$	DDFWN	$C_L C_M$	$wwVhN_h$	DDFWN
109	33	08863	16323	5-	02865	13305	5-	05651	00011	87	02866	13316
115	62	01844	20387	52	21743	12388	52	02844	20486	52	02844	12327
203	8-	81887	16427	5-	02948	16428	5-	02948	16328	5-	81948	12488
206	8-	02967	18327	8-	01764	23384	5-	01864	00024	5-	62858	10368
210	2-	25933	12386	36	10944	17387	57	02964	13228	57	62864	10368
220	51	02845	23367	57	02835	22317				62	66416	14568
230	5-	52608	18368	53	25845	18386	52	22945	00068	52	62646	14368
245	20	01865	16415	26	02864	17315	4-	01664	20215	57	62658	16268
260	84	02864	24415	83	10855	20286	52	02864	20125	62	02743	20126
278	87	02865	20327	86	02856	22287	5-	61748	10368	5-	54518	47468
279	2-	25845	20485	86	10955	18417	5-	02878	16468	52	64645	14368
285										6-	63638	16468
288	84	25854	21485	26	01963	20314	5-	05664	16324	52	64655	14368
575	86	10845	24485	42	02845	26228	52	52745	18468	5-	51648	18458
301	87	02865	24427	23	02953	23316	57	02764	18528	02	62548	14568
321	23	02764	18315	86	02755	18225	03	05590	20225	57	22637	16367
299	24	02764	2015	84	01754	18114	00	00790	18110	50	05657	22327
292	86	02855	22120	20	01962	20313	01	02787	16217	57	22563	12367
310	•									--	07209	26449
614	3.	05650	22220	36	25665	22186	50	05664	22114	57	22566	18267

	13h. G.M.T. 9th August			18h. G.M.T.			01h. G.M.T. 10th August			07h. G.M.T.		
III	$C_L C_M$	$wwVhN_h$	DDFWN	$C_L C_M$	$wwVhN_h$	DDFWN	$C_L C_M$	$wwVhN_h$	DDFWN	$C_L C_M$	$wwVhN_h$	DDFWN
333	23	01853	21284	83	02866	20417	52	02854	51528	6-	64408	49668
334												
340	24	01964	22314	26	10962	25384	03	02890	18216	57	61845	15468
136	74	02845	20326	96	28764	24155	04	05690	20214	09	05690	20315
336										62	62526	20468
350	36	81845	28296	86	25854	22385	04	05690	19212	57	02765	17416
368	86	02845	23486	86	01854	22314	5-	25747	19488	57	02846	16427
379	2-	02887	20487	83	25955	22387	50	01763	22313	6-	51038	18458
390	86	02765	20315	43	25765	22386	00	05590	21380	57	51554	17317
382	86	02865	24387	86	02964	24485	03	02890	00002	52	52636	16328
438	27	02744	22315	57	02735	22527				8-	02748	22428
430	23	01753	22325	86	02854	21025	00	05690	24212	6-	02727	18357
409	57	02833	22426	24	01853	23314	5-	02757	18317	62	61837	17528

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 10th August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	wcpc	crrcbcbcbc	
Croydon	bcc	ccprc	bccpfd
Greenwich	cy	cybirbc	bcbcf
Camden Square	bc	c	•
Kensington	bcpcp	cp	•
Hampstead			

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

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	70	55	46	2	Tr	6·9	•	•
Croydon	72	55	53	3	0·4	7·6	•	•
Greenwich	74	54	44	4	Tr		54	80
Westminster	71	57	52	1			75	81
Regents Park	72	56	50	1	–		73	77
Camden Square	71	56	48	1	–	•	•	81
Kensington	73	56	57	2	Tr		89	81
Hampstead							•	

SECRET

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

Tuesday 11th August 1942 — No. 29482

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	10·7	−18	SW'S	4	ir$_0$	64	75	57	8	5	-	-	9+	9+	1500
	Croydon ...	10·7	−14	SSW	3	pr	63	85	58	8	8	-	-	9	10	1700
	S. Farnborough	10·8	−14	SW'S	5	c/d	65	75	57	8	5	7	-	9+	9+	800
	Boscombe Down	10·1	−14	SW	6	r$_3$r$_0$	60	97	59	7	6	2	-	9	10	700
	Thorney Island	12·4	−10	SSW	6	c	65	85	61	9	5	3	-	9	10	1500
	Lympne ...	14·3	−14	SSW	4	c	64	75	56	8	5	7	-	4-6	9	2000
	Manston ...	13·0	−14	SSW	5	c	64	75	56	8	7	7	-	7-8	9+	1500
2	Shoeburyness ...	12·7	−14	SSW	5	c	66	85	57	8	5	-	-	9+	9+	1800
	Felixstowe ...	11·9	−16	WSW	6	c	68	75	62	8	5	7	-	9+	9+	1500
	Gorleston ...	12·0	−16	SSW	5	c/pr	63	85	57	7	8	-	-	10	10	1500
	Mildenhall ...	09·3	−20	SSW	5	c	67	65	54	8	5	3	-	7-8	9	2000
	Cranwell ...	07·0	−18	S	5	dr	62	85	59	6	6	2	-	4-6	10	1200
3	Birmingham ...	05·1	−20	S	4	o	62	85	57	8	6	-	-	10	10	800
	Upper Heyford	07·8	−18	SSW	4	dl	60	97	59	5	6	2	-	9	10	500
	Ross-on-Wye	05·4	−24	SSW	5	id$_0$	63	85	61	6	6	-	-	9+	9+	1000
5	Hartland Point	06·1	−10	SW	5	ir	61	92	58	7	8	4	-	9	9+	1000
	Bristol ...	08·2	−14	S'W	5	c	63	92	61	8	5	3	-	9	9+	1500
	Portland Bill ...	10·6	−18	SSW	5	r$_3$r$_0$	60	92	58	7	5	-	-	10	10	2500
	Plymouth ...	09·6	−8	WSW	5	c/r	63	85	60	7	5	-	1	9	9	2500
	The Lizard ...	09·5	+2	SW	6	c/pr	64	85	59	8	8	6	-	7-8	7-8	1500
	Scilly (St. Mary's)	09·0	+4	SW'W	5	c	66	75	58	8	8	6	-	7-8	9	1200
	Guernsey ...															
6	Pembroke ...	04·4	−6	SW'W	7	bcq	63	85	59	6	8	4	-	4-6	7-8	1500
7	Holyhead (Valley)	00·5	−6	S'W	7	c	63	85	59	6	5	7	-	4-6	9	1500
	Chester (Sealand)	01·9	−16	SW	3	bc	66	75	58	8	8	-	-	4-6	4-6	2500
8	Manchester ...	02·5	−34	SSE	6	c/pr	63	85	59	6	2	6	-	9	9+	1500
10	Spurn Head ...	06·1	−30	S'W	7	ir	62	85	57	6	8	2	-	7-8	10	800
	Catterick ...	01·5	−30	SSE	4	id$_0$	60	92	58	4	6	2	-	7-8	10	800
	Tynemouth ...	00·8	−30	S	6	c	60	92	58	6	8	-	-	9+	9+	2200
11	St. Abbs Head	96·4	−20	SE	5	c/pr	58	92	53	6	5	-	-	10	10	2000
	Leuchars ...	95·5	−36	SSE	4	c/r	61	92	59	7	5	-	-	10	10	2500
12	Renfrew (Abbotsl.)	94·2	−22	SSW	4	c/r	64	85	58	7	8	2	-	2-3	10	1200
	Eskdalemuir ...	96·3	−34	SSW	6	r$_0$r$_0$	58	97	57	4	-	2	-	10	10	200
	Point of Ayre ...	96·8	−18	SW'W	6	c	65	85	59	7	8	7	3	4-6	9+	2000
13A	Tiree	99·3	−22	SSW	4	ir$_0$	59	92	57	6	8	7	-	7-8	10	1000
13B	Stornoway ...	91·3	−24	ESE	3	r$_0$r$_0$	57	97	57	7	5	2	-	3	10	800
15	Dalwhinnie ...	93·3	−34	SSE	4	rr	57	92	53	7	5	-	-	10	10	1500
	Aberdeen ...	97·7	−32	SSE	4	rr	56	97	55	5	6	2	-	9	10	400
	Wick ...	96·8	−34	SE	4	c/pr	55	97	54	6	5	-	-	10	10	800
16	Sumburgh ...	02·8	−18	SE	5	rr	56	97	53	5	5	2	-	7-8	10	300
17	Blacksod Point	92·9	+10	SW	5	c	62	85	58	7	8	-	-	9+	9+	1500
18	Malin Head ...	90·3	−18	SW	5	c/pr	61	85	57	8	8	2	-	4-6	9	1500
	Aldergrove ...	92·6	−26	SSW	3	c/pr	61	97	60	9	8	7	-	4-6	9	2500
19	Birr Castle ...	97·7	+6	SSW	5	c	63	85	59	8	6	2	-	7-8	10	800
20	Valentia Obsy.	93·8	+30	N	6	ir$_0$	59	92	57	6	5	-	-	10	10	1500
	Roches Point	02·2	+14	W'S	5	bc	64	75	57	8	3	-	-	4-6	4-6	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)
1	London (Kew)	07·5	−20	SW'S	4	c/r	62	85	59	8	5	4	-	7-8	9	1500
	Croydon ...	08·7	−18	SSW	4	c/d	61	97	60	8	9	4	9	4-6	7-8	300
	S. Farnborough	08·3	−10	SW'S	5	c/p	63	85	59	8	5	7	-	4-6	7-8	1000
	Boscombe Down	08·6	−14	SW'S	5	pr	62	85	58	6	8	6	-	9	9+	1200
	Thorney Island	10·1	−20	SW	6	c	63	85	60	7	5	3	-	4-6	7-8	1500
	Lympne ...	12·3	−16	SSW	4	d$_0$d$_0$	61	92	59	7	6	2	-	9	10	300
	Manston ...	10·5	−16	SSW	4	c/d	63	85	57	7	5	7	-	4-6	9+	3000
2	Shoeburyness ...	10·0	−14	SSW	5	c/d	64	85	60	7	2	4	-	9+	9+	2500
	Felixstowe ...	09·4	−14	SSW	6	r$_3$r$_0$	63	85	59	6	5	2	-	9	10	1500
	Gorleston ...	08·4	−24	SW'S	6	c/pr	64	75	58	7	5	-	-	10	10	1800
	Mildenhall ...	06·3	−18	S'W	5	c	64	85	59	8	7	-	-	7-8	9	1700
	Cranwell ...	03·0	−22	S'W	4	c	66	75	59	8	6	-	-	2-3	7-8	1200
3	Birmingham ...	03·9	−4	SSW	4	c/p	63	85	59	8	8	-	-	7-8	7-8	1500
	Upper Heyford	05·6	−14	SW'S	2	c/pr	63	92	60	9	9	-	-	7-8	7-8	1500
	Ross-on-Wye	05·1	−8	W'S	4	c/pr	63	85	58	8	8	-	-	7-8	7-8	3000
5	Hartland Point	06·9	+4	SW	5	c/p	62	85	58	7	3	-	-	9	9	1500
	Bristol ...	07·6	0	SW'W	4	c/pr	63	92	59	8	2	3	-	2-3	9	2500
	Portland Bill ...	09·1	−4	SW	5	c	60	92	58	7	5	4	-	4-6	7-8	4000
	Plymouth ...	10·0	+2	W	5	c	62	85	59	8	8	3	-	7-8	7-8	2000
	The Lizard ...	10·6	+4	WSW	5	bc	63	85	58	7	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	10·4	+8	W'S	5	bc	63	75	56	8	8	6	-	1	4-6	1200
	Guernsey ...															
6	Pembroke ...	04·6	0	WSW	7	cq	61	85	58	6	8	-	-	7-8	9	2500
7	Holyhead (Valley)	99·3	+2	SW'S	8	c	61	85	57	7	5	7	-	4-6	9+	5000
	Chester (Sealand)	01·2	−6	SW	4	pr	63	85	57	6	3	7	-	7-8	9+	2000
8	Manchester ...	01·1	−6	S'W	6	pr	64	75	55	9	2	6	-	4-6	7-8	2500
10	Spurn Head ...	01·2	−24	S'W	7	c	63	85	59	7	7	6	-	4-6	7-8	1500
	Catterick ...	98·9	−4	SW	4	pr	63	85	58	6	8	-	-	9+	9+	1400
	Tynemouth ...	99·8	−12	SSW	5	c	65	85	61	6	2	-	-	7-8	7-8	2500
11	St. Abbs Head	95·0	−8	SSW	4	pr	61	85	56	7	5	2	-	7-8	9+	1500
	Leuchars ...	92·4	−18	S	3	c/d	63	92	61	7	8	6	-	4-6	4-6	2500
12	Renfrew (Abbotsl.)	92·9	−14	SW'W	3	r$_0$r$_0$	61	85	57	6	5	2	-	4-6	9+	1000
	Eskdalemuir ...	94·1	−10	SSW	5	r$_0$r$_0$	58	97	57	6	-	2	-	10	10	200
	Point of Ayre ...	95·3	−8	WSW	4	c	65	75	56	8	8	7	3	4-6	9	2500
13A	Tiree	89·4	0	WSW	4	c/d	57	92	55	6	5	-	-	9+	9+	400
13B	Stornoway ...	89·3	−4	SE	1	c/pr	57	97	56	8	8	7	-	7-8	10	1500
15	Dalwhinnie ...	91·6	−8	SSW	3	rr	57	92	55	7	5	-	-	9+	9+	1500
	Aberdeen ...	93·1	−22	SSW	4	z$_0$	58	92	56	6	5	7	6	7-8	9+	700
	Wick ...	91·9	−34	SE'E	4	c	56	92	55	6	5	-	-	7-8	9	2300
16	Sumburgh ...	98·3	−28	SE'E	6	rr	56	97	54	6	5	2	-	9+	10	700
17	Blacksod Point	88·0	+32	W	7	d$_0$d$_0$	58	92	56	7	-	2	-	10	10	800
18	Malin Head ...	91·2	+4	W'S	4	ir$_0$	59	97	58	8	8	2	-	4-6	9+	1500
	Aldergrove ...	93·1	+2	WSW	5	c/pr	61	92	57	6	5	2	-	7-8	10	1500
19	Birr Castle ...	90·5	−18	SW	5	ir	59	85	55	7	6	2	-	7-8	10	800
20	Valentia Obsy.	90·7	+12	W	5	c/pr	60	85	56	8	8	-	-	9+	9+	1500
	Roches Point	05·4	+18	W	6	bc	64	75	57	8	3	4	-	4-6	4-6	1500

PAST 24 HOURS.

District	Stations	State of Ground. 0–9 (31)	Sea. 0–9 (32)	Weather. 7h.—13h. 10th (39)	Weather. 13h.—18h. 10th (40)	Weather. 18h. (10th) to 1h. 11th (41)	Weather. 1h.—7h. 11th (42)
1	London (Kew)	1	•	cir$_0$	ci r$_0$ c	ci r$_0$ b b	b b c c
	Croydon ...	1	•	c d$_0$ r c p r$_0$	-	ci d$_0$ r$_0$ b	b b c
	S. Farnborough	1	•	c m$_0$ i d$_0$	ci d$_0$ r$_0$ m$_0$ b c	b c c i d$_0$ b	b b c b c
	Boscombe Down	1	•	c r r m$_0$	c r$_0$ c	c p r$_0$ b c	b c d$_0$ b c
	Thorney Island	0	•	c i r$_0$ c	c d$_0$ d$_0$ c	e b c b m$_0$	b c m$_0$ b c
	Lympne ...	1	4	c m$_0$ i r$_0$ c	b c c r$_0$ D m$_0$	d$_0$ D D b c	c b c b c
	Manston ...	0	•	c d i r$_0$ m$_0$	c i d$_0$ c	c m$_0$ b	b m$_0$ b c
2	Shoeburyness ...	0	•	c i r$_0$ c	c i d$_0$ c	c d$_0$ d$_0$ c	c b c
	Felixstowe ...	1	4	c	c i r$_0$ r$_0$ m$_0$ b b	b c b	b b c
	Gorleston ...	1	5	c p r$_0$ c	c p r e	b c b	b
	Mildenhall ...	0	•	c c i d$_0$ c	b c p r$_0$ b	c	b b c w b c
	Cranwell ...	1	•	c d$_0$ d$_0$ r$_0$ m	c	b c c	b b c
3	Birmingham ...	1	•	o i r	o c p r$_0$	c b c	e d$_0$ r
	Upper Heyford	1	•	c o d d m$_0$	d d m$_0$ r$_0$ R	c p r$_3$ b c	b b c m$_0$ b c
	Ross-on-Wye	1	•	c d c d$_0$ c	c d$_0$ c p	c p$_3$ c	c c
5	Hartland Point	1	4	c r$_0$ r c r	c i r$_3$	c p r	c
	Bristol ...	1	•	c i d$_0$ d m r$_3$ r$_0$	c p r p r$_3$ c	c b p r b c	b c p R p c$_0$
	Portland Bill ...	1	4	c o r r	c	c	c
	Plymouth ...	1	3	c r$_0$ r$_0$ m$_0$	c i r$_0$ j r c	c b c p r$_0$	b c c p r$_0$
	The Lizard ...	0	5	r r r r c	c b c	c b c	b c c p r$_0$
	Scilly (St. Mary's)	1	4	i d$_0$ c	c p$_0$ b c	c b c p$_0$	c
	Guernsey ...						
6	Pembroke ...	1	5	c q m$_0$	c q m$_0$	b c q	c q
7	Holyhead (Valley)	1	5	r$_0$ r i r m c i r$_0$ b c	c m$_0$	c o r r	o r$_0$ r$_0$ m$_0$
	Chester (Sealand)	1	•		b c c p r$_0$	c c r$_3$ c	c r$_3$ r c
8	Manchester ...	1	•	j r p r	p r p r$_0$	c r$_0$ r r r	c i r$_0$
10	Spurn Head ...	0	5	c m$_0$ i r	c	c	c
	Catterick ...	1	•	c r r i d$_0$ f	c i d i r p f$_0$	c p r p r$_0$	c p r$_0$ m$_0$ i$_0$
	Tynemouth ...	1	3	j i r c	c o i r$_0$ c	c b c	b c c
11	St. Abbs Head	1	4	c r r p r c	c p r m$_0$	c i d$_0$	c
	Leuchars ...	1	•	c m$_0$ i r$_0$ m$_0$ c	r$_0$ r$_0$ r$_0$ r$_0$ d$_0$ d$_0$ b c	o c c p r$_0$	c r$_0$ r$_0$ m$_0$
12	Renfrew (Abbotsl.)	1	•	c m r$_0$ r$_0$	c m r r r$_0$ r$_0$	c m$_0$ r$_0$ r$_0$	c m$_0$ r$_0$ r$_0$ m$_0$
	Eskdalemuir ...	1	•	c r r	r r r r$_0$	o r c P R	o p R c
	Point of Ayre ...	1	5	D D c	c b c c	c b c c	c r r
13A	Tiree	1	5	c i R	o i R d c	c i d m$_0$	c i d$_0$ r$_0$ i$_0$
13B	Stornoway ...	1	2	c p r r r	c p r	c p r	c p r$_0$ m
15	Dalwhinnie ...	1	•	c r r o	o r r c		c o i r c
	Aberdeen ...	1	5	c r r m$_0$	c p r r m$_0$	c i r$_0$	c i r$_0$
	Wick ...	1	•	c i r$_0$ m$_0$ c	f R c r r r m$_0$ c m$_0$	c i r m$_0$ c	c
16	Sumburgh ...	1	5	c p r$_0$ b r$_0$ m$_0$	c r r r r m$_0$ a r$_0$ m$_0$		c r$_0$ r m s m
17	Blacksod Point	1	5	c	d	r	r
18	Malin Head ...	1	3	p r	p r	p r	r
	Aldergrove ...	1	•	c p r c	c p r c	c i r$_0$	c i r$_0$ c
19	Birr Castle ...	1	•	r	r		r
20	Valentia Obsy.	1	6	p r	p r	p r	p r
	Roches Point	1	7	r	p r	p r	b c

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

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

Fresh westerly winds, moderating and veering slowly. Thundery showers with fair periods, becoming generally fair to-night and to-morrow morning. Average temperature.

Districts	
7	North Wales
8	N.W. England
9	N. Midlands ...

Fresh westerly winds veering slowly. Cloudy with occasional rain at first, showery later. Rain spreading from West during to-morrow morning. Temperature rather below average.

Districts	
10	N.E. England
11	S.E. Scotland

As 1-6 but rain spreading from West later to-morrow morning.

Districts	
12	S.W. Scotland & Isle of Man
13A	W. Scotland ...
13B	N.W. Scotland

As 7-9

Districts	
14	Mid Scotland

As 10-11

Districts	
15	N.E. Scotland

Moderate Northwest winds in 15, easterly in 16. Cloudy with some occasional rain or drizzle, improving slowly. Average temperature.

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

As 7-9.

GENERAL INFERENCE

A depression centred immediately to the north of Scotland is moving east-southeast; whilst a second depression now centred to the southwest of Iceland will move east-southeast over Scotland to-morrow. Weather will be showery with considerable fair periods inland to-night. More general rain will occur in Scotland and Northwest England however, only dying out slowly this afternoon. Further rain will spread to these areas during to-morrow morning.

FURTHER OUTLOOK

Continuing unsettled.

Forecasts issued at 1030

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

7h. Tuesday 11th August 1942.

LOW

HIGH

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F.

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in mbs.

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud

Scale 1 : 5,000,000.

Mb.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Tuesday 11th August,

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Tuesday 11th August 1942

No. 29482

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	58	*	*	*	*	*	*	*	*	*
	Croydon	290	09·2	+4	SSW	4	b	57	92	55	7	-	-	-	0	0	-
	S. Farnborough	226	05·1	+4	SW	5	b	57	85	53	8	-	-	-	0	0	-
	Boscombe Down	417	09·8	+4	SSW	4	b	56	85	53	8	5	-	-	1	1	4000
	Thorney Island	10	10·4	+4	WSW	4	z_0	60	85	54	6	5	-	-	Tr	Tr	1500
	Lympne	283	11·6	0	WSW	3	c	58	97	57	8	5	-	-	7-8	7-8	800
	Manston	154	09·2	-8	WSW	3	z_0	58	92	56	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	07·9	-4	SW	4	b	61	85	57	7	-	-	-	0	0	-
	Gorleston	5	07·1	-2	SW	3	b	60	85	54	7	-	-	-	0	0	-
	Mildenhall	15	06·3	+2	SW'S	4	b	58	85	53	8	-	-	-	0	0	-
	Cranwell	203	03·7	+2	SW	4	c	59	85	54	7	5	-	-	7-8	7-8	2200
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	06·7	+4	SW	4	b	56	92	54	7	5	-	-	Tr	Tr	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	08·8	+8	W'N	5	c	59	85	55	8	8	-	-	7-8	7-8	1500
	Bristol	209	08·9	+6	S'W	4	bc	59	85	55	8	2	-	-	2-3	2-3	2500
	Portland Bill	32	10·9	+4	SW	3	c	59	92	57	7	5	-	-	10	10	2500
	Plymouth	82	11·6	+6	W	5	bc/pr	59	85	55	7	8	-	-	2-3	2-3	2000
	The Lizard	240	12·7	+2	WSW	5	bc	58	85	54	8	8	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	12·8	+8	W	5	c/pr	58	92	55	7	5	-	-	7-8	7-8	1500
	Guernsey	175															
6	Pembroke	142	07·3	+10	W'S	7	bc	59	85	54	7	5	-	-	2-3	4-6	2500
7	Holyhead (Valley)	32	02·5	+10	SW'S	7	bc	58	85	53	8	5	-	-	9+	9+	3300
	Chester (Sealand)	16	02·5	+8	SW'S	3	c/r	59	85	53	7	5	-	-	9+	9+	3600
8	Manchester	235	02·1	+6	SSW	4	ir_0	57	97	56	6	5	-	-	10	10	2500
10	Spurn Head	29	02·3	-4	SW'S	5	bc	60	85	54	6	7	6	-	4-6	9	2500
	Catterick	175	99·0	0	SSW	3	pr	58	92	55	6	5	-	-	7-8	7-8	2500
	Tynemouth	108	97·3	-2	SSW	4	bc	59	92	56	7	2	-	-	4-6	7-8	2500
11	St. Abbs Head	280	93·2	-4	SSW	4	c	58	85	54	7	5	-	-	7-8	7-8	2500
	Leuchars	36	91·7	-2	SSW	2	c/pr	58	97	58	6	2	3	-	4-6	9	2500
12	Renfrew (Abbots I.)	19	92·9	-2	WSW	4	r_0r_0	58	92	56	5	5	-	-	4-6	10	600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	96·9	+6	W	6	c	57	92	54	8	8	2	-	4-6	9+	3000
13A	Tiree	22	91·1	+10	W	4	dr	57	97	56	6	5	-	-	10	10	400
13B	Stornoway	80	89·6	-2	–	0	c	56	97	56	7	5	7	-	7-8	9+	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	91·7	-2	S	3	c	57	92	55	8	5	-	-	7-8	7-8	4000
	Wick	114	90·5	-6	SSW	2	c	55	97	55	8	5	3	-	4-6	7-8	3000
16	Sumburgh	19	94·2	-12	SE	5	r_0r_0	56	92	55	5	5	-	-	10	10	800
17	Blacksod Point	18	03·0	+14	W	6	rr	56	97	55	7	-	2	-	10	10	800
18	Malin Head	84	93·8	+10	W	6	d_0d_0	57	97	56	5	8	2	-	4-6	10	800
	Aldergrove	268	96·3	+6	WSW	5	ir_0	57	92	54	6	5	2	-	9	10	1300
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	09·9	+12	W'N	4	c/pr	59	92	57	8	8	-	-	9+	9+	2500
	Roches Point	22	08·1	+6	W	4	bc	57	92	55	8	3	-	-	4-6	4-6	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	08·5	+4	SW'W	4	bc	60	85	53	8	5	-	-	7-8	7-8	2500	1	*
	Croydon	09·2	+2	SW'W	4	bc	59	85	55	8	5	4	-	7-8	7-8	1500	1	*
	S. Farnborough	09·5	+6	SW'W	5	c	58	85	54	8	5	4	-	7-8	7-8	1800	1	*
	Boscombe Down	10·0	0	SW	5	bc	58	85	53	8	5	6	-	2-3	2-3	3000	1	*
	Thorney Island	10·5	+2	WSW	4	bc	61	75	54	8	5	3	1	4-6	7-8	2500		*
	Lympne	11·4	-2	WSW	4	c	60	85	56	8	5	3	-	7-8	7-8	900	1	§5
	Manston	09·4	0	SW	4	bc	60	85	54	8	5	3	-	4-6	7-8	800	0	*
2	Shoeburyness	09·7	+4	SW	4	bc	60	85	54	8	5	3	-	2-3	7-8	1200	1	*
	Felixstowe	08·0	+2	SW	5	bc	60	85	54	7	1	3	-	Tr	4-6	2000	0	4
	Gorleston	06·9	+2	SW'W	4	b	59	85	52	7	-	4	-	0	1	-	1	3
	Mildenhall	06·3	+2	SW'S	4	bc	59	85	53	8	5	3	-	2-3	4-6	1200	0	*
	Cranwell	03·5	0	SW'W	5	bc	59	75	52	7	6	3	5	2-3	4-6	1200	0	*
3	Birmingham	05·4	+2	SW	4	bc	57	85	52	8	5	7	-	4-6	7-8	1500	1	*
	Upper Heyford	06·8	+2	SW	4	c	57	92	55	7	5	3	-	7-8	9	500	1	*
4	Ross-on-Wye	07·2	0	WSW	3	c	59	75	52	9	5	-	-	9+	9+	2500	1	*
5	Hartland Point	09·8	+8	WNW	5	c	61	85	58	8	8	4	-	4-6	7-8	1500	1	5
	Bristol	09·6	+6	WSW	3	c/pr	58	97	57	7	9	6	-	4-6	7-8	1500	1	*
	Portland Bill	11·6	+12	WSW	5	c	60	85	56	8	2	-	-	7-8	7-8	4000	1	4
	Plymouth	11·9	+6	W	5	c/pr	59	92	57	7	8	3	-	7-8	7-8	2000	1	4
	The Lizard	12·8	+6	W	4	PR	59	97	59	8	8	6	-	7-8	7-8	1500	1	4
	Scilly (St. Mary's)	13·0	-4	WNW	5	c	59	85	54	8	8	6	-	7-8	9	1200	1	4
	Guernsey																	
6	Pembroke	08·4	+10	W	6	cq	59	85	54	7	8	6	-	7-8	9+	2500	1	4
7	Holyhead (Valley)	03·2	+6	W'S	6	rr	56	92	54	6	6	-	-	10	10	1000	1	5
	Chester (Sealand)	02·7	+4	SW	3	c/r	59	75	51	8	6	2	-	4-6	10	2000	1	*
8	Manchester	02·6	+6	SSW	5	c	58	85	52	8	5	7	-	7-8	9+	1500	1	*
10	Spurn Head	02·7	+4	SW'W	5	c	59	75	52	7	5	7	-	2-3	7-8	2500	0	4
	Catterick	99·6	+2	WSW	3	c/r	59	85	54	8	5	7	-	9	9+	1500	1	*
	Tynemouth	96·9	-2	W	4	c	60	85	56	6	8	-	-	7-8	7-8	2200	1	3
11	St. Abbs Head	93·1	+2	SW	3	c	57	92	55	9	5	7	-	7-8	9+	2500	0	1
	Leuchars	91·4	+2	SW	2	d_0d_0	58	97	57	6	5	-	-	4-6	9+	1200	1	*
12	Renfrew (Abbots I.)	94·6	+16	W'N	3	ir_0	58	85	54	8	5	-	-	7-8	9+	800	1	*
	Eskdalemuir	94·4	+4	WSW	5	rr	55	92	53	6	6	-	-	10	10	400	1	*
	Point of Ayre	98·6	+10	NW'W	6	rr	57	97	56	7	6	2	-	9	10	500	1	5
13A	Tiree	95·8	+20	NW	6	rr	58	92	54	6	-	2	-	10	10	800	1	5
13B	Stornoway	91·9	+10	WNW	3	c	56	97	56	6	5	-	-	10	10	600	1	
15	Dalwhinnie	91·5	+6	S	2	c	55	97	54	7	5	4	-	7-8	9+	1500	1	*
	Aberdeen †	91·3	0	SW'W	1	c	58	97	57	7	5	-	3	9	9	3000	1	2
	Wick	90·7	+6	SW	1	c	57	97	56	8	8	3	-	4-6	9+	5000	1	*
16	Sumburgh	93·4	0	ESE	4	r/d	56	92	55	5	5	-	-	9+	9+	500	1	5
17	Blacksod Point	06·7	+22	W'N	6	ir_0	57	92	55	7	6	2	-	4-6	10	800	1	5
18	Malin Head	99·3	+26	NW'N	6	c	57	85	52	8	9	2	-	7-8	9+	800	1	4
	Aldergrove	00·5	+34	NW	4	c/r	58	85	52	8	5	2	-	9+	10	1200	1	*
19	Birr Castle	06·9	+24	W	4	c	56	92	54	8	5	7	-	7-8	9	1500	1	*
20	Valentia Obsy.	12·1	+14	WNW	4	c/pr	58	85	53	8	2	6	-	2-3	7-8	1500	1	5
	Roches Point	10·5	+16	W'N	4	bc	58	85	53	8	5	4	-	4-6	4-6	2500	L	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 10th Hrs. (38)
1	London (Kew)	64	57	53	Tr	Tr	0·2
	Croydon	65	56	52	1	0·1	1·1
	S. Farnborough	65	55	50	1	0·2	1·4
	Boscombe Down	64	54	50	1	1	1·0
	Thorney Island	61	59	57	0·4	–	*
	Lympne	67	54	*	0·2	1	1·1
	Manston	68	55	52	0·1	Tr	1·5
2	Shoeburyness	69	50	51	Tr	Tr	1·5
	Felixstowe	68	57	54	0·1	–	2·0
	Gorleston	67	56	53	0·1	0·3	1·9
	Mildenhall	68	55	50	Tr	0·1	1·5
	Cranwell	*	55	53	1	–	1·4
3	Birmingham	67	55	50	1	0·1	0·8
	Upper Heyford	65	54	51	3	3	*
4	Ross-on-Wye	67	57	54	1	Tr	2·6
5	Hartland Point	62	58	56	3	7	2·4
	Bristol	68	56	54	2	19	2·5
	Portland Bill	62	57	*	1	1	*
	Plymouth	65	57	56	0·1	Tr	3·0
	The Lizard	65	56	*	2	0·5	2·2
	Scilly (St. Mary's)	66	57	*	1	0·2	9·0
	Guernsey						
6	Pembroke	63	61	*	2	–	5·5
7	Holyhead (Valley)	64	56	55	1	6	*
	Chester (Sealand)	71	59		2	0·3	
8	Manchester	68	55	54	3	0·6	*
10	Spurn Head	69	57	*	0·6	Tr	2·7
	Catterick	66	56	52	2	3	9·2
	Tynemouth	65	58		1	–	*
11	St. Abbs Head	62	56	*	4	0·2	*
	Leuchars	64	57	54	1	1	2·5
12	Renfrew (Abbots I.)	64	57	55	7	5	0·9
	Eskdalemuir	58	54	54	12	9	0·0
	Point of Ayre	69	56	*	3	4	1·1
13A	Tiree	63	56	*	5	4	1·1
13B	Stornoway	59	55	*	7	2	0·1
15	Dalwhinnie	60	53	52	13	7	2·2
	Aberdeen †	58	56	54	5	0·3	0·0
	Wick	56	53	49	4	Tr	*
16	Sumburgh	58	55	55	4	3	
17	Blacksod Point	63	56	*	3	3	*
18	Malin Head	63	56		1	3	2·1
	Aldergrove	67	55	54	3	3	3·0
19	Birr Castle	64	55	54	2	3	1·0
20	Valentia Obsy.	62	57	55	1	1	2·5
	Roches Point	65	57	*	0·6	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC$_L$	C$_M$ (13h. G.M.T. 10th August)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (18h. G.M.T.)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (01h. G.M.T. 11th August)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (07h. G.M.T.)	wwVhN$_h$	DDFWN
109	62	22636	44668	62	63527	45668	5-	03528	13328	57	04665	00027
115							52	02835	28128	--	67109	20368
203				5-	02848	16488	5-	03838	16268	5-	62838	12268
206	62	62747	10368	84	02865	16286				57	02855	24127
210	5-	61737	10428	86	81865	14366	5-	10855	00085	73	02964	20227
220	52	22626	16468	52	58406	16258				62	08426	28468
230	5-	64647	05268	52	61737	18388	5-	58528	18368	5-	81648	57488
245	52	64656	47568	96	25545	16585	46	05764	20284	5-	02754	24227
260	52	22745	16567	89	81844	16285	57	25645	18388	5-	02747	20327
278	57	82537	18328	87	25857	16287	57	02836	22368	57	02737	55567
279	5-	21638	18668	53	05645	52757	82	25646	53688	5-	51738	55668
285	6-	64528	18568	6-	64628	20668						
288	57	02743	47656	8-	81757	18587	8-	02745	51487	5-	02857	51427
575	87	1854	55586	8-	81737	57587	62	62637	59668	67	25735	61587
301	86	21745	21568	53	02856	53527	02	64648	55668	5-	61638	22768
321	52	02737	02737	54	02745	17426	8-	02764	54484	88	02856	54427
299	5-	22648	20568	57	02754	22415	50	01755	22415	30	03748	22428
292	67	05535	47467	86	02756	19326	57	58647	18388	5-	02838	18368
310	--	61418	20558	--	63628	20568				--	53628	24458
614	5-	22645	18368	26	02744	51525	5-	02747	22557	57	05646	18367

IIIC$_L$	C$_M$ (13h. G.M.T. 10th August)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (18h. G.M.T.)	wwVhN$_h$	DDFWN	C$_L$C$_M$ (01h. G.M.T. 11th August)	wwVhN$_h$	DFFWN	C$_L$C$_M$ (07h. G.M.T.)	wwVhN$_h$	DDFWN
333	56	25744	51685	57	02745	53487	86	25854	55585	52	63644	55588
334	--	25647	24488	--	25647	28588				--	54547	24558
340	25	22955	18565	8-	25857	20487	5-	01864	22414	50	02964	55516
136	7-	02747	50567	5-	02835	20667	54	01764	20584	53	01744	19415
336	57	05656	20528							62	64526	24568
350	5-	61647	51427				5-	02745	53416	83	02744	53425
368	52	22746	24467				2-	25747	55587	23	02745	55586
379	5-	21818	33658	8-	02936	20526	50	00853	55563	93	02736	55557
390	7-	61845	18528	62	54536	17458	50	05643	54553	53	02836	22516
382	52	61615	51558	96	10844	19466	8-	51855	20425	74	02944	20425
438				8-	52648	20658	60	14645	24625	57	02734	22615
430	63	02747	18427	5-	21737	53557	00	05630	20410	53	25844	20485
409	8-	51837	54627	30	10745	56585	5-	02867	23587	96	02744	58425

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 11th August, Day 7h—18h Kew and Croydon, 9h—18h Kensington 9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	cir_0	cir_0r_0c	cir_0bcc
Croydon	$cd_0r_0cpr_0$	-	cid_0ir_0bc
Greenwich	r_0c	cr_0rc	cr_0cbc
Camden Square	c	c	*
Kensington	bc prc	cm	*
Hampstead	bc	bcor	od

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

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	64	57	53	Tr	Tr	0·2	*	*
Croydon	65	56	52	1	0·1	1·1	*	*
Greenwich	65	56	49	0·5	Tr	0·3	81	69
Westminster	66	58	53	0·1			89	77
Regents Park	66	56	53	Tr	-		83	76
Camden Square	66	56	51	-	Tr	*	*	71
Kensington	66	57	51	1	-		95	65
Hampstead	64	53	50	0·5	-		*	81

SECRET

BRITISH SECTION

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

Wednesday 12th August 1942

No. 29,483

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	08.6	-4	WSW	4	c	68	55	48	8	8	3	-	9	9+	2500
	Croydon	08.5	-2	W'S	4	bc	69	65	56	8	3	6	3	4-6	4-6	2300
	S. Farnborough	09.5	-2	W	6	c	68	55	51	9	3	4	-	4-6	7-8	2000
	Boscombe Down	10.2	+2	W'S	6	c	67	65	54	8	3	6	3	7-8	7-8	2500
	Thorney Island	10.9	-2	WSW	5	c	68	75	58	9	3	3	-	7-8	7-8	1500
	Lympne	11.3	-2	SW	5	c	66	75	57	8	2	-	-	7-8	7-8	2500
	Manston	09.1	-6	SW	5	c	68	55	52	8	2	6	-	7-8	7-8	3100
2	Shoeburyness	09.2	-14	WSW	4	bc	72	55	55	8	2	3	-	4-6	7-8	2200
	Felixstowe	07.1	-12	W	6	bc	70	55	51	7	7	-	-	4-6	4-6	4000
	Gorleston	06.4	-2	NW	4	c	70	55	52	7	8	3	-	4-6	7-8	2500
	Mildenhall	06.9	+4	W'S	4	pr	62	85	57	8	3	-	-	9+	9+	1500
	Cranwell	05.0	+10	WSW	5	c/r	67	85	63	6	5	2	-	9	9+	1500
3	Birmingham	07.7	+10	WSW	3	c/r	58	92	56	8	6	-	-	10	10	1500
	Upper Heyford	08.3	+10	W'N	5	pr	61	75	63	7	3	2	-	4-6	9+	1200
4	Ross-on-Wye	08.8	+10	W'S	4	c	63	65	53	8	8	1	-	9+	10	3000
5	Hartland Point	13.3	+20	NW	4	bc	62	85	57	8	2	-	-	4-6	4-6	2500
	Bristol	10.7	+6	W	5	c	66	75	58	8	8	6	5	4-6	9	2500
	Portland Bill	12.1	+2	WSW	5	c	60	85	56	8	2	-	-	7-8	7-8	4000
	Plymouth	13.2	+4	WNW	5	c	63	75	55	8	8	-	-	7-8	7-8	2500
	The Lizard	14.4	+8	W	4	bc	65	75	56	8	2	6	-	2-3	4-6	2500
	Scilly (St. Mary's)	14.8	+6	W'N	5	bc	66	65	55	8	8	6	-	4-6	4-6	1200
	Guernsey															
6	Pembroke	10.7	+8	W	6	bcq	61	85	56	8	2	4	2	2-3	4-6	2500
7	Holyhead (Valley)	06.9	+14	W	6	c	63	85	58	8	8	9	-	2-3	9+	1800
	Chester (Sealand)	04.8	+6	W	4	c	61	75	53	8	8	-	-	4-6	9	2000
8	Manchester	05.5	+18	WSW	5	c	59	85	54	6	8	-	-	10	10	1500
10	Spurn Head	03.3	+6	WSW	5	c/pr	58	92	56	7	7	2	-	4-6	9	2500
	Catterick	01.3	+22	W'S	3	c	61	75	53	8	5	7	-	4-6	9+	1800
	Tynemouth	98.8	+16	W	5	c	64	75	57	7	2	-	-	7-8	7-8	2200
11	St. Abbs Head	94.6	+12	W	5	c	61	75	52	7	5	4	-	7-8	9+	3000
	Leuchars	94.1	+18	W	5	c	64	85	59	9	8	7	-	7-8	9+	2500
12	Renfrew (Abbots I.)	98.4	+26	W'N	5	ir	59	85	55	7	5	-	-	4-6	10	800
	Eskdalemuir	98.7	+20	W	5	ir	56	85	52	6	6	-	-	10	10	500
	Point of Ayre	03.1	+16	WNW	4	c	63	75	56	8	1	7	-	Tr	9+	2500
13A	Tiree	99.6	+16	NW	5	dd	56	97	55	6	-	2	-	10	10	800
13B	Stornoway	94.8	+12	NW	3	dd	56	97	56	6	5	-	-	10	10	1000
15	Dalwhinnie	96.7	+18	WSW	3	o	55	92	52	7	5	-	-	10	10	1500
	Aberdeen	93.4	+14	SW	1	tlr	62	97	61	6	9	7	-	9	10	2500
	Wick	92.8	0	NNW	4	c	60	85	56	7	5	7	-	7-8	10	2000
16	Sumburgh	94.2	+2	E'N	3	z	57	97	55	9	5	-	-	10	10	300
17	Blacksod Point	10.3	+14	W	5	c	59	92	57	8	8	-	-	9+	9+	1500
18	Malin Head	03.1	+14	W	7	c	59	85	55	8	9	2	-	4-6	10	1500
	Aldergrove	04.1	+14	W'N	5	c	60	75	51	8	8	4	-	7-8	9+	2500
19	Birr Castle	09.4	+14	WSW	4	c	60	85	56	8	8	7	-	7-8	9	1500
20	Valentia Obsy.	14.6	+14	NWW	4	c	61	75	54	8	8	-	-	9	9	1500
	Roches Point	12.7	+6	WNW	5	b/pr	63	75	56	8	3	-	3	4-6	4-6	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 11th (39)	Weather 13h.–18h. 11th (40)	Weather 18h. 11th to 1h. 12th (41)	Weather 1h.–7h. 12th (42)
London (Kew)	10.0	+8	WNW	3	c/pr	65	65	54	8	9	3	1	4-6	9	1500	1	•	cprcy	qPRtc	cbcbw	bbcbw
Croydon	10.1	+4	WSW	3	c	63	65	52	7	2	6	-	7-8	7-8	2700	1	•	bcc	cTLRcpr	cbc	bccir
S. Farnborough	10.5	+8	W	5	bc	66	55	47	9	2	7	4	2-3	4-6	3000	0	•	cbc	bcw	bcbbc	bcbcirc
Boscombe Down	11.3	+8	W'N	5	bc	64	55	49	9	2	6	3	1	2-3	3500	0	•	cpbcc	bcy	bbcc	cmr
Thorney Island	11.3	+2	WSW	4	bc	63	85	59	8	8	3	-	2-3	4-6	1500	1	•	bctbc	bctlrbc	bcb	bocc
Lympne	11.9	+2	WSW	4	cl	62	85	56	7	3	-	3	4-6	7-8	2500	1	5	cprc	cprtlr	b	bbcc
Manston	10.7	+14	WSW	1	ctlr	56	85	52	7	3	6	3	7-8	9+	3000	1	•	bc	ctlRpr	bbcm	bcmc
Shoeburyness	10.5	+6	W'S	2	rr	57	92	55	7	5	-	-	10	10	1200	2	•	cbcy	cTLRrc	crrc	circbcc
Felixstowe	08.6	+6	SW	4	c/pr	62	85	56	7	8	7	-	4-6	9+	3000	1	4	cbcy	bccpsc	cbcb	bbccbc
Gorleston	07.1	+2	WSW	3	c/pr	63	75	54	7	8	-	-	9+	9+	1800	1	3	bccy	cprc	cbclb	bc
Mildenhall	07.5	+2	W'S	3	c	65	65	54	8	8	6	3	4-6	7-8	3000	0	•	bccpr	cprcs	cprbbc	cbbcw
Cranwell	06.0	+2	W'S	4	c	59	85	55	7	8	-	2	7-8	9	2500	1	•	bccrr	cirrc	bcb	bc
Birmingham	08.4	+4	WSW	4	c	60	75	53	8	8	7	-	7-8	9	2500	1	•	bcmrrt	cpr	cbc	bcprc
Upper Heyford	08.5	+2	W	3	c/pr	60	92	57	7	9	-	6	4-6	7-8	1500	1	•	bccpr	cprjp	cjpbcc	cbcmbbc
Ross-on-Wye	09.8	+4	W'S	3	pr	61	85	55	8	8	5	1	4-6	7-8	3000	1	•	ccRC	cpcRC	cbcc	bcc
Hartland Point	12.3	-4	W	3	bc	60	85	56	8	1	4	-	2-3	4-6	2700	0	4	cbc	bc	bccbc	bcep
Bristol	11.5	+2	WSW	5	bc	62	85	56	8	1	-	1	4-6	4-6	2500	1	•	pcprcbc	bc	bcpcrb	bmcbc
Portland Bill	12.6	+2	WSW	5	c	60	92	58	8	2	-	-	7-8	7-8	4000	1	4	bc	c	cbc	c
Plymouth	14.0	-2	W	5	bc	63	65	52	8	2	4	-	2-3	2-3	2500	0	4	bcprc	bcprbc	bbc	bcepr
The Lizard	15.0	+6	W	5	bc	61	75	54	8	2	3	-	2-3	4-6	3500	0	4	cprbc	bc	bc	cprc
Scilly (St. Mary's)	15.4	-2	W'N	5	bc	62	65	51	8	8	4	-	2-3	4-6	1600	1	4	cbc	cpbc	bccbc	bcptc
Guernsey																					
Pembroke	11.3	0	W	6	bcq	60	85	55	8	8	4	-	4-6	4-6	2500	0	4	bcq	bcq	bcq	cprq
Holyhead (Valley)	07.7	+4	W'S	5	c	61	75	54	8	8	6	1	7-8	7-8	4000	1		crrc	c	cprc	bccr
Chester (Sealand)	06.8	+6	W	3	c	63	65	52	8	8	4	-	7-8	7-8	2500	1	•	cdirm	cprc	bcprcprc	cprc
Manchester	06.5	+4	W	4	c/pr	61	75	53	8	2	6	-	4-6	7-8	2500	1	•	rrpr		cprc	cirm
Spurn Head	04.4	+6	W'S	6	cq	63	65	51	7	7	7	2	4-6	7-8	2500	0	4	c	cq	pr	cq
Catterick	02.7	+6	W	4	c	60	75	52	8	5	7	-	4-6	9	2000	1	•	c	c	cbc	cbbcc
Tynemouth	00.0	0	W	6	cq	60	85	55	7	8	3	-	7-8	9	2200	1	4	cpc	c	cq	cq
St. Abbs Head	96.3	+28	W	6	c	59	75	52	7	5	2	-	7-8	10	3000	0	5	cbcc	c	cmirc	cpr
Leuchars	96.1	+10	WSW	5	c	61	85	55	8	7	8	-	7-8	9+	3000	1	•	pprmpr	cprc	cprrrm	crrir
Renfrew (Abbots I.)	00.0	+6	WNW	5	z	60	75	54	6	8	2	9	4-6	9	1200	1	•	crrir	circm	ddmid	cmidr
Eskdalemuir	00.4	+6	W	5	rr	55	85	51	6	6	2	-	10	10	900	1	•	crrir	cirrc	crm	crrm
Point of Ayre	04.5	-4	NW'W	5	c	61	85	56	8	8	3	-	2-3	9	1800	0		rrc		cprc	cprdd
Tiree	02.0	+6	NW	6	c	56	92	53	7	5	-	-	9+	9+	1500	1	5	odr	idmepr	cpr	odrc
Stornoway	96.4	+6	WNW	6	dd	55	97	53	6	5	-	-	10	10	1000	1	3	cidddl	cdd	cddrr	crr
Dalwhinnie	98.1	+12	WSW	3	ir	54	92	51	7	5	-	-	10	10	1500	1	•	ciro	oir		oir
Aberdeen	94.9	+6	WNW	2	c	61	85	59	7	4	7	-	7-8	10	2000	1		cprc	tlrrirc	cirrir	cirrido
Wick	94.1	+4	NW	2	c	58	92	56	7	5	2	-	9+	10	1000	1	•	cprc	cprcm	ddrr	ddfcm
Sumburgh	94.8	+4	ENE	3	m	56	92	55	4	5	-	-	10	10	200	1	3	cmjfm	cmfm	cmfid	cfidfcm
Blacksod Point	11.2	+2	W	4	c/pr	59	85	55	8	8	6	-	4-6	7-8	1500	1	3	c	pr	bc	c
Malin Head	05.2	+12	WNW	6	pr	58	85	54	8	9	-	-	10	10	1500	1	4	r	pr	pr	pr
Aldergrove	06.4	+16	W'S	5	pr	57	85	53	8	5	4	-	9	9+	1200	1	•	c	cprcpr	cprc	c
Birr Castle	10.5	+4	WSW	3	bc	63	75	56	8	2	8	-	4-6	4-6	1500	1	•	pr	pr		c
Valentia Obsy.	15.6	+2	NWW	5	c/pr	59	65	54	8	3	-	-	7-8	7-8	1500	1	5	bc	pr	pr	pr
Roches Point	13.0	+2	W'N	5	bc	61	75	54	8	3	3	-	2-3	4-6	1500	1	4	pr	pr	pr	pr

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Moderate to fresh westerly wind. Thundery showers with local thunderstorms, dying out later in evening. Cloudy with a short period of rain during the night. Mainly fair to-morrow, but rather cloudy at first. Average temperature.
5 S.W. England, 6 South Wales	Moderate to fresh West-northwest winds veering Northwest later. Local showers, considerable fair periods at first but cloudy with some slight rain this evening. Fair later to-night but mainly cloudy. Average temperature.
7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England, 11 S.E. Scotland	Moderate to fresh West-northwest wind. Cloudy; local thundery showers or thunderstorms. Becoming fair later to-night but cloudy. Average temperature.
12 S.W. Scotland & Isle of Man	As 13-15
	As 7-10
13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland	Moderate to fresh Northwest wind; cloudy with local rain or thundery showers, improving slowly to-night. Average temperature.
16 Orkneys and Shetlands	Moderate northwesterly wind; cloudy with local drizzle at first, improving later. Average temperature.
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Moderate to fresh West-northwest wind, veering Northwest; cloudy with local rain at first, becoming fair later. Decreasing cloud amounts to-morrow. Average temperature.

GENERAL INFERENCE

A depression centred between Shetlands and Norway is moving slowly Northeast, whilst another, Southeast of Greenland is moving East-southeast. There will be thundery showers to-day in most parts of the British Isles, the fair periods being most marked in Southwest districts. The showers will die out this evening, but a narrow rain belt is expected to move Eastwards across England during the night. Showers will continue to occur in Scotland to-morrow but fairer conditions are expected in England and Wales.

FURTHER OUTLOOK

Fair at first. Rain in Western districts to-morrow evening, spreading eastwards across the country during the night. Showery conditions later.

Forecasts issued at 1030.

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

7h. Wednesday 12th August 1942.

1008 1006 1004 1002 998 996 1010 1012 1014 1016 1016

LOW

HIGH

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F.

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in mbs.

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud

Scale 1 : 5,000,000.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Wednesday 12th August

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

BRITISH SECTION

Wednesday 12th August 1942

No. 29,483

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	53	*	*	*	*	*	*	*	*	*
	Croydon ...	290	11·6	0	WSW	4	bc	56	92	53	7	5	-	-	8-9	8-9	3000
	S. Farnborough	226	11·6	-2	WSW	3	bc	53	85	51	8	5	3	-	Tr	2-3	4000
	Boscombe Down	417	12·1	0	W	4	c	55	92	53	8	5	4	-	7-8	10	4000
	Thorney Island	10	12·3	-2	W'N	4	b	58	85	53	7	5	-	-	2-3	2-3	1000
	Lympne ...	283	12·6	-2	SW	2	b	54	97	54	7	-	-	-	0	0	-
	Manston ...	154	10·9	+2	W'S	3	2c	56	85	51	6	4	-	-	4-6	4-6	3600
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	09·5	0	WSW	3	bc	58	92	55	7	5	-	-	2-3	2-3	4000
	Gorleston ...	5	08·2	0	W'S	3	2c	58	85	52	6	-	4	-	0	2-3	-
	Mildenhall ...	15	08·9	+2	SW	3	bc	55	92	52	7	5	-	-	4-6	4-6	3800
	Cranwell ...	203	07·5	+2	WSW	4	b	53	85	51	7	5	-	-	2-3	2-3	4500
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	09·1	-2	WSW	3	2c	55	92	53	6	5	-	-	10	10	4500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12·9	0	W	4	c	58	85	53	8	4	-	-	2-3	2-3	2500
	Bristol ...	209	12·1	-2	WSW	3	b	58	92	55	8	2	4	-	Tr	Tr	4000
	Portland Bill ...	32	13·4	+4	WSW	9	bc	58	92	56	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	14·5	0	W'S	4	b	57	92	55	7	5	-	-	2-3	2-3	2000
	The Lizard ...	240	15·7	0	NW'W	4	bc	57	92	54	8	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	16·3	0	W	4	c	58	85	53	8	4	-	-	4-6	4-6	1200
	Guernsey ...	175															
6	Pembroke ...	142	12·6	+4	W	4	bcq	57	85	53	8	7	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	09·6	+6	W'S	5	bc	57	85	53	8	5	-	-	4-6	4-6	4800
	Chester (Sealand)	16	08·4	+4	WNW	3	c/pr	58	75	51	8	5	7	-	4-6	7-8	6000
8	Manchester ...	235	07·7	+2	WSW	4	c	57	85	53	8	5	-	-	7-8	10	1500
10	Spurn Head ...	29	05·6	+4	W'S	6	c	59	75	56	7	7	7	-	4-6	9	1500
	Catterick ...	175	04·3	+2	SW	2	bc	57	85	51	7	5	7	-	4-6	7-8	2500
	Tynemouth ...	108	01·2	+4	W	6	cq	58	85	53	7	2	-	-	7-8	7-8	2500
11	St. Abbs Head	280	97·5	0	W	6	c	57	85	50	7	5	-	-	9+	9+	2500
	Leuchars ...	36	97·5	-2	W	2	1/2c	58	85	53	7	5	2	-	9	10	2500
12	Renfrew (Abbotsl.)	19	01·9	+2	W'N	4	1/2c	58	85	52	6	5	2	-	9+	10	1200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	06·3	+6	WNW	5	c	58	85	52	8	6	-	-	4-6	9+	1500
13A	Tiree	22	03·1	0	NW	5	c	55	92	53	7	5	-	-	10	10	1400
13B	Stornoway ...	80	98·6	+6	WNW	5	1/2c	54	97	54	6	5	2	-	9	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	96·2	+2	WNW	3	1/2c	55	97	54	7	5	7	-	9	10	2000
	Wick ...	114	96·2	+5	NNW	2	1/2c	55	97	54	2	-	-	-	10	10	<150
16	Sumburgh ..	19	96·0	+2	NE	2	dr	55	97	55	1	-	-	-	10	10	<150
17	Blacksod Point	18	12·7	+6	NW	4	bc	57	85	55	8	8	-	-	4-6	4-6	1500
18	Malin Head ...	84	06·3	+2	NW	6	c	56	85	54	8	9	-	-	9	9	2500
	Aldergrove ...	268	06·7	+2	W	4	c	55	85	51	8	5	-	-	7-8	7-8	2900
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16·6	+2	NW'W	5	c	58	85	54	8	3	-	-	9	9	1500
	Roches Point	22	12·5	0	W'N	4	c/pr	56	92	54	8	3	-	-	7-8	7-8	1500

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

Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
11·9	+6	W'S	3	c	59	85	53	8	8	4	2	4-6	7-8	2500	1	*
12·2	+8	WSW	3	c/r	57	92	54	7	5	-	6	4-6	7-8	3200	1	*
11·2	+4	WSW	3	c/r	56	92	54	8	7	7	6	1	9+	3000	0	*
12·5	+4	W'S	4	c	58	92	53	8	8	-	2	4-6	7-8	1500	1	*
12·7	+6	WNW	4	c	60	85	52	8	8	3	2	4-5	9	2500	1	*
12·9	+2	SW	2	c	56	97	56	7	5	-	-	9	9	8500	1	*
11·4	+6	WSW	2	c	58	92	53	8	5	-	-	7-8	7-8	5700	1	*
11·8	+10	W'S	2	c	59	85	54	7	5	-	-	9+	9+	2000	1	*
10·3	+6	WSW	3	bc	59	85	54	7	5	2	-	2-3	4-6	5700	0	2
09·0	+6	W	3	bc	58	75	51	7	-	4	-	0	2-3	-	0	2
09·4	+2	SW	4	bc	58	85	52	8	5	4	2	2-3	4-6	4500	1	*
07·8	0	WSW	4	c	55	85	50	8	5	-	-	9+	9+	3000	0	*
09·6	+2	WSW	4	c	55	85	50	8	5	-	6	4-6	9	2500	1	*
10·2	+2	SW'S	3	c	55	85	51	7	5	4	4	Tr	9	2500	0	*
11·2	0	WSW	3	c	56	85	51	8	8	-	2	4-6	7-8	3000	1	*
12·9	+2	NW	4	c	58	85	53	8	3	4	-	4-6	7-8	1800	1	4
12·7	+4	W'N	2	bc	58	85	55	7	5	3	2	2-3	4-6	4000	1	*
13·6	+2	SW	5	c	58	92	56	8	2	-	-	9	9	4000	1	4
14·5	+2	W	4	c/pr	57	92	55	6	8	7	-	7-8	9+	2500	1	3
15·4	+2	NW	4	c/pr	58	85	54	8	8	6	-	7-8	7-8	1400	1	4
16·3	+6	NW'W	5	c	58	85	54	8	8	3	-	7-8	9+	1200	1	4
12·6	+8	WNW	4	c/pr	57	85	53	8	8	6	2	4-6	7-8	3000	0	4
10·1	+4	W'N	5	c/r	56	92	54	9	5	3	-	7-8	9	1500	1	4
08·7	+4	W'N	3	c	57	85	51	8	8	6	-	9+	9+	2500	1	*
07·3	+2	W'S	4	c	56	85	52	6	5	7	-	7-8	9+	2500	1	*
08·2	+2	SW'W	5	cq	58	75	51	7	7	6	1	4-6	7-8	1500	0	4
04·3	-2	W	5	c	57	75	50	9	5	9	9	2-3	9	2000	1	*
01·9	+4	W	6	cq	57	85	52	7	8	-	-	9	9	1800	1	3
99·3	+6	W	5	c/pr	57	85	51	8	5	-	-	10	10	2500	0	5
98·9	+10	WSW	3	1/2c	57	85	53	8	5	7	-	7-8	9+	4000	1	*
02·6	+6	W'N	4	c	57	85	52	7	5	2	-	9	10	1200	1	*
02·5	0	W	4	1/2c	53	85	50	6	5	2	-	9	10	1100	1	*
03·2	+4	NW'W	6	dr	56	92	54	8	6	7	-	7-8	9+	2000	1	4
00·4	+12	NW	4	1/2c	55	92	53	6	8	2	-	9	10	1500	1	2
02·1	+8	SW	3	c	53	92	51	7	5	-	-	10	10	1500	1	*
97·8	+14	NW	3	c/d	58	92	54	7	5	7	-	9	10	2000	1	2
97·6	+10	SW	2	c/r	55	97	55	5	5	-	-	10	10	200	1	*
96·7	+6	NNE	3	c/r	55	97	55	5	5	-	-	10	10	<150	1	3
12·9	0	W'N	3	c	55	85	51	8	8	-	-	9+	9+	1500	1	4
06·5	+2	NW	5	c/pr	55	92	53	8	9	-	-	9+	9+	2600	1	4
08·0	+6	W	3	c/r	55	85	50	9	5	4	-	9	9+	1500	1	*
12·2	+6	W	2	c	55	85	51	8	5	-	-	7-8	7-8	2500	1	*
16·9	0	WNW	4	pr	57	85	53	8	8	-	-	9+	9+	2500	1	5
15·1	+4	WNW	4	bc	56	85	52	8	3	-	-	2-3	2-3	1500	1	4

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F.	Min. Night 18h–7h °F	Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Rainfall. Night 18h–7h mm.	Sunshine 1hr. Hrs.
70	55	50	2	-	7·1
70	55	53	11	Tr	9·9
71	54	50	-	Tr	11·3
68	53	43	0·4	0·3	11·2
69	56		8	-	*
67	52	*	3	-	9·0
71	52	50	4	1	8·5
73	56	52	14	0·6	6·6
72	56	52	2	-	7·0
70	55	42	2	-	6·5
68	53	46	1	Tr	5·1
*	54	52	1	-	2·3
64	53	48	3	Tr	3·6
67	52	48	2	0·3	*
66	53	50	0·2	-	2·9
62	57	55	-	0·3	12·1
67	53	47	1	Tr	10·4
62	61	*	*	-	*
67	55	52	1	0·5	10·9
65	56	*	0·1	Tr	10·8
66	56	*	Tr	2	11·0
61	61		-	Tr	9·0
64	56	53	2	Tr	*
67	57	54	1	Tr	2·7
64	55	53	1	0·4	*
64	56	*	Tr	Tr	3·2
62	58	52	-	-	0·3
64	56	-	Tr		*
62	54	*	-	0·2	
65	55	54	1	1	1·5
60	58	53	1	Tr	0·9
57	52	51	2	1	0·0
63	54	*	1	0·3	1·0
60	52	50	4	6	0·5
67	55	53	11	1	0·9
62	53	53	-	0·6	*
55	54	55	-	Tr	0·0
62	53	*	0·5	0·3	*
60	53	*	Tr	3	0·2
63	53	50	0·1	0·1	2·3
64	53	50	0·5	-	4·8
62	55	52	2	1	8·5
65	55	*	1	0·3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 11th August – 18h. G.M.T. – 01h. G.M.T. 12th August – 07h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 52	22745	00008	5-	09528	00028	5-	09528	28228	5-	41518	28248
115			--	67007	26369						
203 6-	54728	24368	6-	63728	24468						
206 62	52855	24368	52	62755	26368	6-	64748	26168	61	02947	26268
210 52	21584	22358	52	62846	21468	62	64648	25268	62	64537	22268
220			52	03736	27528						
230 52	62645	57458	5-	02748	57568	5-	81648	57488	5-	52638	57368
245 32	25946	02267	57	02855	24387	52	62644	20268	52	64865	05268
260 52	05644	24568	57	62644	24488	52	64646	24668	52	64654	20468
278 87	25847	59587	52	25427	27648	50	01854	23564	84	02845	24467
279 5-	31748	57458	5-	02837	57568	5-	02756	57528	57	02855	55457
285 27	05635	24668	6-	22628	24668						
288 57	02854	55427	59	02855	53426	5-	02857	54487	54	02965	53427
575 8-	81847	61587	8-	10857	59587	8-	81848	60588	8-	02847	61487
301 56	02743	26664	57	25855	24686	5-	02856	59626	83	02834	59626
321 37	02755	57468	47	02753	25426	50	05664	24314	86	02764	27385
299 5-	22747	20467	84	14754	20514				50	01764	22414
292 53	22944	55466	86	02955	56427				54	02855	22386
310 --	67208	24549	--	61628	24428				--	53428	24558
614 52	27646	57458	88	25759	28486	50	05664	20224	57	05645	24328

13h. G.M.T. 11th August – 18h. G.M.T. – 01h. G.M.T. 12th August – 07h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
333 87	25844	22466	86	81854	22486	4-	01864	22314	8-	81844	24427
334 --	55546	26588	--	65647	24488				--	53547	24488
340 62	52247	23368				5-	02878	23328	5-	02965	23326
136 86	81755	22487	86	10855	22486	5-	02785	22385	5-	02777	22417
336 62	64526	24568	62	63526	24568				57	22756	28468
350 3-	81845	56587	36	81844	22485	5-	02867	22287	74	02862	22485
368 74	01844	57585	86	02844	57525	54	05654	22316	87	25745	28287
379 8-	81867	24587	3-	81845	24415	5-	02767	24327	50	01861	22314
390 34	25854	22584	96	81846	23397	40	05662	22382	53	05674	22215
382 86	82745	62488	96	10944	55386	5-	02875	21315	53	01771	23325
438 57	02634	22615	24	14653	22613						
430 86	01854	57414	86	25863	22384	50	01750	22245	50	02765	22316
409 36	01854	58424	50	01844	58514	5-	02745	25315	86	81776	26487

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 (0 = 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 August

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	cprcy	qPRtc	cbccbN	Kew 24 hours ended 7h. Max. Time
Croydon ...	bcc	cTLRcpr	cbcicg	0·1 17–20 18hrs.
Greenwich ...	cbc	bcctlric	bc	Min. Time
Camden Square	ctlr	ctlr	*	20·1 last of period
Kensington ...	ctp	ctp	*	
Hampstead ...	bcortl	bc	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	70	55	50	2	-	7·1	*	*
Croydon ...	70	55	53	11	Tr	9·9	*	*
Greenwich ...	71	54	46	6	-	7·1	90	66
Westminster ...	71	55	52	5			94	72
Regents Park ...	72	54	50	5	-		59	62
Camden Square	71	54	51	8	-	*	*	81
Kensington ...	73	54	49	3	-			82
Hampstead ...	71	52	49	9	-		*	74

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

SECRET

Page 1 BRITISH SECTION

Thursday 13th August 1942

No. 29484

OBSERVATIONS at 13h. G.M.T. 12th 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)	11.5	-4	WSW	3	c	65	55	48	8	8	3	1	4-6	9+	2500
	Croydon	12.1	-4	SW	3	c/pr	64	75	54	8	8	6	-	4-6	7-8	2500
	S. Farnborough	11.9	-2	WSW	4	c	68	45	48	9	8	4	1	4-6	4-6	3000
	Boscombe Down	12.8	0	WNW	5	bc	66	55	48	8	8	6	2	4-6	4-6	2500
	Thorney Island	12.8	-2	W	3	bc	67	65	56	9	8	3	1	2-3	4-6	4000
	Lympne	12.8	-2	WSW	4	c	65	65	52	8	2	3	2	4-6	9	3200
	Manston	11.4	+2	W'S	3	c	65	55	49	9	8	6	2	4-6	7-8	3000
2	Shoeburyness	12.1	-2	WSW	3	c	65	65	52	8	8	-	2	4-6	9+	700
	Felixstowe	10.5	0	W'S	4	c	67	55	50	8	8	6	-	7-8	10	3500
	Gorleston	09.8	+4	W	5	cq	64	65	51	7	2	7	-	4-6	9	2300
	Mildenhall	09.9	-2	SW	4	c	65	55	50	9	2	7	-	4-6	9	4000
	Cranwell	08.3	0	W	4	c	64	65	51	7	8	-	-	7-8	7-8	3500
3	Birmingham	10.9	+2	WSW	4	tlr	66	65	54	8	8	-		9	9	2500
	Upper Heyford	10.5	+2	W	4	c/pr	64	65	51	9	8	6	-	4-6	7-8	2500
4	Ross-on-Wye	11.8	+4	W	4	c	64	65	50	9	8	-	1	9	9	3500
5	Hartland Point	14.7	+4	WNW	4	c	60	85	55	8	8	4	-	7-8	9+	1500
	Bristol	13.5	+2	W	4	bc	65	75	56	8	2	6	-	4-6	7-8	2500
	Portland Bill	15.1	+12	W	4	bc	62	85	59	8	2	-	-	4-6	4-6	4000
	Plymouth	15.8	+6	NW	4	c	63	65	54	8	8	7	-	7-8	7-8	2000
	The Lizard	17.0	+6	NW	4	bc/pr	62	75	55	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	17.5	+2	W'N	5	c/pr	62	75	55	8	8	6	-	7-8	9+	1000
	Guernsey															
6	Pembroke	14.3	+2	W'N	6	cq	59	85	54	8	8	-	-	9+	9+	2500
7	Holyhead (Valley)	11.0	+2	W	6	c	60	85	55	8	8	7	-	9	9+	3000
	Chester (Sealand)	09.4	+2	W'N	4	c	62	65	51	8	8	-	-	9	9	3000
8	Manchester	09.3	+4	W'S	4	c/pr	59	75	51	7	2	6	-	7-8	9+	1800
10	Spurn Head	06.7	+4	W'S	7	c/pr	62	65	52	7	7	6	-	2-3	7-8	2500
	Catterick	05.9	+8	W'N	4	c	60	75	51	9	5	7	-	4-6	9	3500
	Tynemouth	03.7	+12	W	6	cq	61	85	55	7	8	-	-	7-8	7-8	2400
11	St. Abbs Head	00.7	+6	W	5	pr	59	75	51	8	5	4	-	7-8	9+	3000
	Leuchars	00.7	+8	WNW	4	roro	62	85	57	8	8	2	-	9	10	3000
12	Renfrew (Abbots I.)	04.2	+10	W	4	roro	57	92	55	6	5	2	-	7-8	10	1000
	Eskdalemuir	04.2	+10	W'N	5	c	57	85	50	8	5	-	-	9+	9+	1800
	Point of Ayre	08.1	+8	WNW	5	c	63	85	58	8	9	-	-	9+	9+	2500
13A	Tiree	05.3	+10	NW	4	ido	57	92	55	7	5	-	-	9+	9+	1000
13B	Stornoway	02.5	+10	NW	4	ido	55	97	54	7	5	2	-	9	10	1500
15	Dalwhinnie	03.2	+10	WNW	3	o	58	85	53	8	5	1	-	2-3	10	1500
	Aberdeen	00.2	+12	NNW	4	c	63	85	57	8	7	-	3	9+	9+	2500
	Wick	00.1	+12	NW	3	o	58	92	56	6	5	-	-	10	10	500
16	Sumburgh	98.6	+8	N	3	c	57	92	55	7	5	-	-	10	10	1000
17	Blacksod Point	13.6	+6	WNW	5	pr	59	75	51	7	8	-	-	9+	9+	2500
18	Malin Head	07.8	+6	W'N	5	c	58	85	53	8	9	-	-	10	10	1500
	Aldergrove	08.9	+4	W'N	5	c	59	75	50	9	8	2	-	9	9+	2000
19	Birr Castle	12.7	+2	W	3	c	61	65	49	8	5	1	-	7-8	9+	2500
20	Valentia Obsy.	17.1	+2	W	4	c	59	92	57	8	8	-	-	10	10	1500
	Roches Point	14.9	-2	WNW	4	c	62	75	54	8	8	-	5	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 12th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 12th (39)	Weather 13h.–18h. 12th (40)	Weather 18h. 12th to 1h. 13th (41)	Weather 1h.–7h. 13th (42)
London (Kew)	12.1	+2	W'S	4	c	64	55	48	8	8	-	-	9	9	2500	1	•	cy	cpro cy	cyc	,c
Croydon	12.2	0	W	3	c	64	65	53	8	2	7	-	4-6	7-8	3000	0	•	cpro	c	cbcc	c
S. Farnborough	12.6	+6	W	4	c	64	55	49	9	8	7	-	4-6	7-8	2500	0	•	cy	cbcy	c	c
Boscombe Down	13.4	+2	WNW	6	c	60	75	51	8	7	4	-	4-6	7-8	4000	0	•	bcbc	cprobc	bcbc	bcebc
Thorney Island	13.1	+2	WNW	4	bc	65	75	50	9	7	-	-	4-6	4-6	5000	0	•	crocrbcy	bcybc	bcb,c	c
Lympne	13.4	+6	WSW	2	bc/pr	60	85	56	8	3	6	-	Tr	4-6	3000	1	§ 4	cbcc	cprbc	cbc	cproc
Manston	11.5	+2	SW	2	bc/pr	60	85	56	8	5	-	-	4-6	4-6	4000	1	•	bcv	cvybcPR	bccmo	ciro mo
Shoeburyness	12.1	+6	NW	3	c	63	65	50	8	5	9	-	4-6	9	1500	1	•	cbcc	ciro c	c	ciro c
Felixstowe	10.6	+2	W	4	c/r	62	75	53	8	5	2	-	9	9	4000	1	3	bcccy	cyrocpro c	c	cbc
Gorleston	10.3	+2	W	2	c/pr	61	75	53	7	8	3	-	4-6	7-8	800	1	2	bcyc	cpr	czol	c
Mildenhall	10.2	+6	WSW	4	cjp	62	65	53	8	8	6	-	7-8	9+	3000	0	•	bcwcy	cycjpr	cjprocirobc	bcc
Cranwell	09.2	-2	W	4	c	60	75	51	7	8	-	-	9	9	4000	0	•	c	cbcc	c,bmo	bmo,ciro
Birmingham	11.7	+4	WSW	4	c	58	75	50	8	8	-	-	9+	9+	2500	1	•	c	cpro	c	cc
Upper Heyford	11.5	+8	WNW	5	c	62	55	47	9	8	-	-	7-8	7-8	6000	0	•	bccpro	cprobc	bcpror oc	c
Ross-on-Wye	12.4	0	W'S	3	c	61	75	53	9	8	-	1	9+	9+	3000	0	•	cbcc	cv	cvcdo c	c
Hartland Point	14.2	-4	WNW	4	c	59	85	54	8	8	4	-	7-8	9	1500	0	4	cbcc	c	c	c
Bristol	13.7	0	W	4	c	60	85	55	8	4	3	-	4-6	9+	2500	1	•	bccbc	bccpro c	cbc	bcmobcc
Portland Bill	15.9	+8	W	4	c	62	85	59	8	5	-	-	10	10	4000	1	4	cbc	c	c	c
Plymouth	16.0	+2	WNW	5	iro	59	85	54	8	8	-	-	4-6	10	2500	1	3	bccpro c	cprom	bccpro	cproc
The Lizard	16.8	-6	WNW	4	c	60	85	56	8	8	6	-	7-8	7-8	2000	0	4	cprbc	bcprc	prbcc	cproc
Scilly (St. Mary's)	17.6	0	W	5	cjp	60	85	54	8	8	7	-	7-8	10	1200	1	4	cpov	cq	qpoc	cpro
Guernsey																					
Pembroke	13.7	-4	W'S	6	cq	59	85	55	8	8	6	-	7-8	9+	2500	0	4	cq	cq	cbc	ciro
Holyhead (Valley)	11.2	+2	W	5	c	60	75	52	8	7	3	-	7-8	9+	6000	1	4	bccpro	cpro c	[illegible]	cido
Chester (Sealand)	10.3	+4	W'N	3	cjp	60	75	51	8	8	7	-	7-8	9+	2500	1	•	c	cpro	c	cido
Manchester	10.0	+2	W'S	4	c/pr	58	85	51	7	8	-	-	4-6	10	2000	1	•	iropro	prpro		cido roro
Spurn Head	07.9	-2	W'N	6	cq	61	75	52	7	7	6	-	4-6	9+	2500	0	4	cq	cq	c	c
Catterick	07.1	+10	W	3	c	59	75	51	8	5	7	1	7-8	9+	2500	0	•	c	c	ccpro c	c
Tynemouth	05.1	+6	W	4	c/pr	59	85	55	7	8	-	-	9+	9+	2400	1	3	cq	cqpo	cpo c	cp
St. Abbs Head	02.7	+4	W	4	c	59	85	53	7	5	4	-	7-8	9+	3000	0	4	cpro	cpro c	cbcmo c	c
Leuchars	02.5	+12	WSW	3	c	61	85	56	9	8	6	3	7-8	9	3000	1	•	iro cro ro	cro ro ciro c	cbcpro	bc
Renfrew (Abbots I.)	05.5	+6	W'N	3	c	58	85	54	8	5	2	-	7-8	10	1000	1	•	ccro ro mo	c	iro c	c
Eskdalemuir	05.6	+6	W	4	iro	56	85	52	7	5	-	-	10	10	1100	1	•	cro mo	rriro	ciro mo	ciro mo
Point of Ayre	08.7	+4	WNW	4	c	59	85	53	8	4	7	-	2-3	9+	2500	0	4	do do cprc	prc	c	c
Tiree	06.7	+8	NW'N	4	c/d	56	92	47	7	5	1	-	9+	9+	1500	1	4	cido	oidDc	cir	cirbc
Stornoway	04.3	+12	NW	4	c	55	97	47	7	5	2	-	9	10	800	1	2	cdo id	cpro	cpro	c
Dalwhinnie	04.7	+14	W	3	o	55	85	51	8	5	-	-	10	10	1500	1	•	oir	oir	·	oiro c
Aberdeen	02.3	+14	WNW	3	c/r	60	92	57	8	8	7	-	7-8	9	2500	1	1	cro ro	cpro crc	bccprc	c
Wick	02.2	+12	NNW	3	c/pr	57	97	56	6	5	-	-	10	10	300	1	•	oiro ido mo	omo	fcm	cmo cid
Sumburgh	00.1	+10	NW	4	c/r	54	92	53	6	5	-	-	10	10	700	1	3	ofrofcmo	cmo iro	ccro ro mo	cro ro do do
Blacksod Point	14.0	0	WNW	4	c	57	85	52	8	8	-	-	9+	9+	2500	1	3	pr	c	pr	d
Malin Head	08.6	+6	NW	5	DD	56	97	55	5	-	2	-	10	10	220	1	4	pr	d	c	r
Aldergrove	09.8	+2	W	4	c	59	75	50	8	5	2	-	9	9+	1500	1	•	cpro c	cpro c	c	ciro cido
Birr Castle	13.4	+6	W	3	c	59	75	50	8	5	1	-	7-8	10	2500	1	•	c	c		r
Valentia Obsy.	17.3	0	NW'N	3	c	58	92	56	8	5	2	-	9	10	1500	1	3	pr	r	r	r
Roches Point	15.2	+6	NW'W	5	c	61	75	53	8	8	1	-	4-6	9+	1500	1	4	c	bc	r	r

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Moderate westerly wind; cloudy, local slight rain; average temperature
5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England	Moderate west-Southwest wind; cloudy with some rain or drizzle becoming more persistent during the evening; coast fog; average temperature.
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 wind veering west-northwest later; cloudy with rain this evening, improving early tomorrow; average temperature
14 Mid Scotland, 15 N.E. Scotland	Moderate Southwest wind; cloudy with rain later; average temperature
16 Orkneys and Shetlands	Moderate Northwest wind backing and decreasing; cloudy, slight rain at times; average temperature.
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Moderate Southwest wind, veering West in 17 later. Some rain or drizzle at first, cloudy later; some improvement in the Northwest tomorrow; average temperature.

GENERAL INFERENCE

Pressure is low to the Northeast of the British Isles whilst troughs associated with a depression to the West of Iceland are approaching our Western districts. In all areas weather will be cloudy with slight local rain becoming more persistent in the West this evening. Some improvement will occur in Northwest Scotland and North Ireland tomorrow.

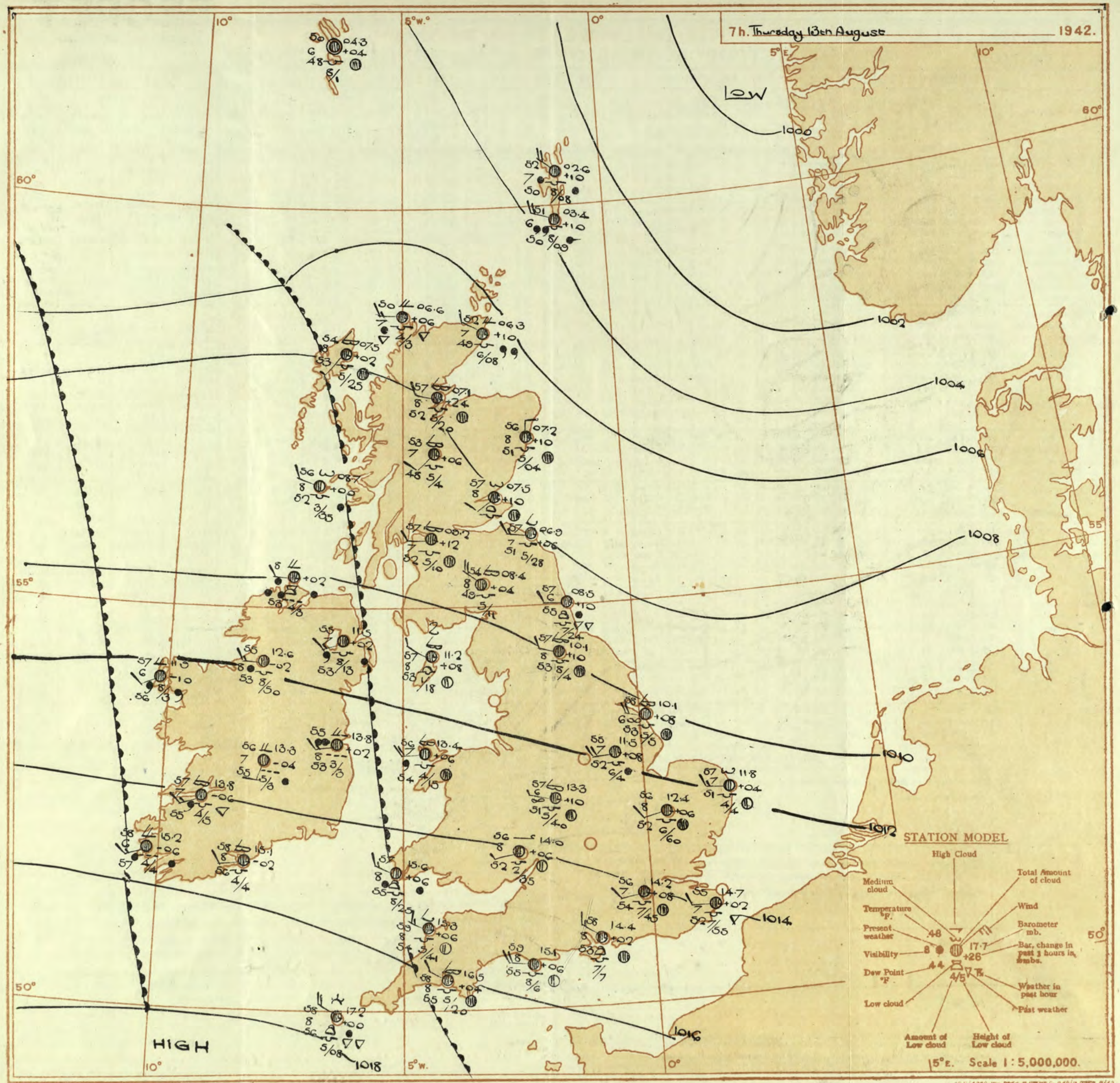
FURTHER OUTLOOK

Continuing unsettled

Forecasts issued at 10.30 G.M.T.

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

7h. Thursday 13th August 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Thursday 13th August,

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Thursday 13th August 1942

No. 29484

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	58	*	*	*	*	*	*	*	*	*
	Croydon	290	13·5	+2	WS	3	c	56	85	53	7	5	7	-	4-6	9+	3500
	S. Farnborough	226	13·4	-2	W	2	bc	56	85	51	8	5	7	-	2-3	9+	7000
	Boscombe Down	417	14·3	+4	SW'W	2	bc	52	92	51	8	5	7	-	2-3	4-6	4500
	Thorney Island	10	14·2	-2	W'N	4	c	59	85	53	8	5	-	-	9+	9+	6600
	Lympne	283	14·2	0	WSW	2	c	55	85	51	7	5	-	-	9	9	3500
	Manston	154	13·0	+2	WSW	1	zo	55	85	51	6	5	-	-	7-8	7-8	5700
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	12·0	+2	WSW	3	bc	58	85	52	7	5	-	-	7-8	7-8	700
	Gorleston	5	11·4	+2	W'N	3	zo	57	75	49	6	5	-	-	7-8	7-8	1500
	Mildenhall	15	11·7	+4	SW	2	bc/r	55	85	50	7	5	-	-	4-6	4-6	4000
	Cranwell	203	10·3	+2	WSW	4	zo	53	92	51	6	5	-	-	2-3	2-3	3500
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·2	0	WNW	3	c	56	85	51	7	-	3	-	0	10	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·9	+4	NW	3	c	59	75	51	7	5	-	-	7-8	7-8	2500
	Bristol	209	14·2	-2	W'S	2	bc	55	97	54	7	2	6	-	2-3	2-3	4000
	Portland Bill	32	14·7	-20	W	4	c	59	92	57	8	5	-	-	9	9	4000
	Plymouth	82	16·1	-2	W	4	pr	59	92	56	7	5	7	-	7-8	9+	2000
	The Lizard	240	17·4	0	NW'W	5	c	58	92	56	7	8	2	-	9	10	1500
	Scilly (St. Mary's)	163	17·8	+2	W'N	4	c	59	85	53	7	8	7	-	4-6	9	1200
	Guernsey	175															
6	Pembroke	142	14·9	+8	WNW	4	bcq	58	85	53	8	8	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	12·8	+6	WNW	4	rr	57	85	53	7	5	-	-	10	10	5500
	Chester (Sealand)	16	11·4	-2	W	3	c	57	85	52	8	5	7	-	7-8	10	5000
8	Manchester	235	10·8	+2	WSW	4	c	56	85	52	7	5	-	-	10	10	2200
10	Spurn Head	29	06·9	+2	W'S	6	c	57	85	51	6	5	7	-	4-6	9+	2500
•	Catterick	175	08·5	+8	W	3	c	58	85	53	7	5	7	-	4-6	9+	3000
	Tynemouth	108	07·5	+6	W	4	c	58	85	54	7	5	-	-	9+	9+	2500
11	St. Abbs Head	280	05·6	+2	W	3	c	58	85	52	7	5	-	-	7-8	7-8	2500
	Leuchars	36	05·8	+10	SW	2	bc/pr	56	97	54	0	5	-	-	4-6	4-6	2500
12	Renfrew (Abbots I.)	19	07·8	+6	W'N	2	c	56	85	53	7	5	-	-	10	10	1600
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	19·0	+4	NW	5	c	57	92	54	7	6	2	-	4-6	10	1500
13A	Tiree	22	05·7	+4	NNW	4	c	55	97	54	7	5	-	-	9+	9+	1500
13B	Stornoway	80	07·1	+10	-	0	pr	53	97	52	7	5	2	-	9	10	1000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	05·3	+12	WNW	2	c	56	92	54	8	5	-	-	10	10	2000
	Wick	114	04·6	+6	N'N	2	m	53	92	52	4	5	-	-	10	10	400
16	Sumburgh	19	01·6	+6	WNW	4	roro	52	97	50	6	5	-	-	10	10	400
17	Blacksod Point	18	14·0	-2	WNW	4	pr	57	97	56	8	9	-	-	7-8	7-8	1500
18	Malin Head	84	10·1	+4	W	3	c	56	85	52	8	5	-	-	7-8	7-8	2500
	Aldergrove	268	11·7	+10	NNW	2	c	56	75	49	7	5	-	-	9+	10	2500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17·3	-2	W	2	iro	58	97	57	6	6	-	-	10	10	1500
	Roches Point	22	16·2	0	W	1	qr	57	92	55	8	6	2	-	4-6	9	1500

OBSERVATIONS at 7 hr. G.M.T. 13th Aug. — 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 12th Hrs. (38)
London (Kew)	13·9	+6	WSW	2	c	57	85	52	7	5	-	-	9+	9+	2500	1	*	67	56	54	Tr	-	8·0
Croydon	14·2	+8	SW'W	2	c	56	92	54	7	5	-	-	9+	9+	4500	1	*	69	55	52	Tr	-	7·6
S. Farnborough	14·5	+10	W'N	2	c	57	85	52	9	5	3	-	7-8	9	4000	0	*	69	54	49	-	-	6·3
Boscombe Down	14·9	+6	W'S	3	c	54	92	52	8	5	7	-	4-6	7-8	4500	0	*	68	51	43	Tr	-	6·3
Thorney Island	14·4	+2	WNW	3	c	58	85	54	8	8	-	-	9+	9+	5700	0	*	69	56	52	2	-	*
Lympne	14·7	+2	W	2	c	55	92	53	7	5	-	-	9+	9+	5500	1	§3	68	51		1	Tr	7·8
Manston	13·6	+8	W'S	2	c	56	85	54	8	5	-	-	9+	9+	5700	0	*	67	53	52	0·3	Tr	5·3
Shoeburyness	15·0	+10	WSW	2	c	58	85	54	7	5	-	-	9+	9+	3500	1	*	70	57	52	Tr	0·1	7·0
Felixstowe	12·6	-4	W'S	3	bc	57	85	53	7	5	3	-	4-6	4-6	5700	0	3	70	56	54	1	-	6·2
Gorleston	11·8	+4	WNW	3	c	57	85	53	7	5	3	-	4-6	7-8	1500	0	2	66	54	52	1	-	6·5
Mildenhall	12·4	+6	WSW	2	c	56	85	52	8	5	-	-	9	9	6000	1	*	68	54	48	-	Tr	5·2
Cranwell	11·5	+8	W'S	4	c	55	85	51	7	5	-	-	9	9+	1500	0	*	*	53	50	-	Tr	4·4
Birmingham	13·2	+8	W	3	c	55	85	51	8	5	7	-	7-8	9+	2500	1	*	68	54	50	0·1	-	2·3
Upper Heyford	13·3	+10	SW'W	3	c	56	85	52	8	5	3	5	4-6	9	6000	0	*	66	55	53	0·2	Tr	*
Ross-on-Wye	14·0	+6	SW'W	1	c	56	85	52	8	5	-	8	1	7-8	3500	0	*	66	54	49	-	Tr	6·3
Hartland Point	15·3	+6	WNW	3	c	59	85	54	8	5	4	6	7-8	9+	4100	0	4	62	57	55	-	-	2·4
Bristol	14·7	+6	W'N	2	c	56	92	54	7	5	-	8	4-6	9	5700	0	*	66	53	46	Tr	-	5·8
Portland Bill	15·1	+6	W	4	c	59	85	55	8	5	-	-	10	10	4000	1	4	62	56	*	-	-	*
Plymouth	16·5	+4	WNW	2	c	58	85	55	8	5	7	-	7-8	9+	2000	0	3	65	56	55	Tr	Tr	4·1
The Lizard	16·6	-4	NW	4	c/pr	58	92	56	8	8	2	-	7-8	9+	1500	1	4	64	56	*	0·5	Tr	8·9
Scilly (St. Mary's)	17·2	0	NWW	4	c/pr	58	97	56	8	8	6	-	7-8	9+	800	1	3	65	58	*	0·1	Tr	6·8
Guernsey																							
Pembroke	15·6	+6	WNW	3	iro	57	92	57	8	8	-	-	10	10	2500	0	3	61	52	*	-	Tr	3·9
Holyhead (Valley)	13·4	+6	W	4	ido	56	92	54	7	5	7	-	4-6	10	1500	1	3	63	54	52	Tr	0·3	*
Chester (Sealand)	12·5	+8	W	3	c	57	75	50	8	5	7	5	2-3	9+	3000	0	*	63	55	53	Tr	Tr	1·2
Manchester	11·8	+6	WSW	4	rr	55	97	54	4	6	2	-	9+	10	700	1	*	61	54	53	0·2	4	*
Spurn Head	10·1	+8	W	4	zo	58	85	53	6	5	7	-	7-8	10	2500	0	4	64	56	*	Tr	-	5·9
Catterick	10·1	+10	WNW	2	c	57	85	53	8	5	7	-	10	10	1800	0	*	61	56	54	-	Tr	0·1
Tynemouth	08·5	+10	W	2	c/pr	57	92	55	6	8	-	-	9+	9+	2400	1	2	63	56		Tr	0·2	*
St. Abbs Head	06·9	+6	W	3	c	57	85	51	7	5	4	-	7-8	9+	2800	0	3	61	56	*	Tr	-	*
Leuchars	07·2	+10	SW	2	c	57	92	54	8	8	3	-	1	9+	2500	1	*	64	54	56	0·6	0·2	0·9
Renfrew (Abbots I.)	09·2	+12	W	2	c	57	85	52	7	5	7	-	7-8	9	1000	1	*	61	54	47	3	Tr	0·3
Eskdalemuir	08·4	+4	NW	4	c	54	85	49	8	5	2	-	7-8	10	1100	1	*	63	52	52	2	0·3	0·0
Point of Ayre	11·2	+8	WNW	1	c	57	85	50	8	4	7	6	Tr	9	1800	0	3	65	55	*	0·3	-	3·0
Tiree	08·7	0	WNW	2	c	56	92	54	8	5	3	-	2-3	7-8	3500	1	3	58	54	*	0·3	2	0·0
Stornoway	07·5	+2	SW	1	c	54	97	53	8	5	7	-	7-3	9+	2500	1	1	56	52	*	0·5	Tr	0·0
Dalwhinnie	08·8	+6	SW	2	c	53	85	48	7	5	7	-	7-8	9+	1500	1	*	58	50	49	3	0·1	
Aberdeen †	07·2	+10	N	1	c	56	85	49	8	5	-	-	7-8	9+	4000	1	1	64	55	52	1	0·3	1·3
Wick	06·3	+10	NW	2	c/d	52	85	48	7	5	2	-	9	9+	800	1	*		50		-	0·3	*
Sumburgh	03·4	+10	WNW	4	dodo	51	97	50	6	5	-	-	10	10	900	1	3	58	51	50	Tr	0·1	0·2
Blacksod Point	11·9	-10	SW	2	ido	57	97	55	6	-	2	-	10	10	800	1	2	61	55	*	0·5	0·5	*
Malin Head	08·8	+2	W'N	2	rr	55	92	53	8	9	2	-	4-6	9+	800	1	3	59	54		3	4	0·0
Aldergrove	11·5	+2	SW'W	3	ido	55	92	53	7	5	-	-	10	10	1300	1	*	60	52	47	1	Tr	1·0
Birr Castle	13·3	-4	SSW	2	c	56	97	55	7	6	2	-	7-8	10	800	1	*		54	53		1	1·5
Valentia Obsy.	15·2	-6	WSW	3	iro	58	97	57	6	6	2	-	4-6	10	1500	1		60	57	55	2	0·6	0·7
Roches Point	15·1	-2	W'S	2	c	58	92	56	8	5	7	-	4-6	9+	1500	1	3	64	57	*	-	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 12th August ... 18h. G.M.T. — 01h. G.M.T. 13th August ... 07h. G.M.T.

III	$C_L C_M$ (13h)	$wwVhN_h$ (13h)	DDFWN (13h)	$C_L C_M$ (18h)	$wwVhN_h$ (18h)	DDFWN (18h)	$C_L C_M$ (01h)	$wwVhN_h$ (01h)	DDFWN (01h)	$C_L C_M$ (07h)	$wwVhN_h$ (07h)	DDFWN (07h)
109	5-	03528	29368	5-	03528	29428	5-	61638	26428	5-	02847	59327
115							52	81734	24387	52	81734	24387
203	6-	54838	24368	6-	54838	26358	5-	21838	22358	5-	03838	16428
206				57	02848	28225	5-	22858	28268	57	02855	26227
210	5-	52738	25-68	51	22847	25368	52	22647	26368	51	02845	22228
220	52	02735	27358	52	03535	27328				82	03736	29288
230	52	02746	24488	5-	51648	24358	5-	22748	24368	5-	64548	00068
245	57	61956	20187	56	81956	28287	52	22765	24168	54	02955	00027
260	57	02754	24368	57	05644	24266	57	05654	24265	57	05665	24226
278	87	02855	59528	52	61838	59468	02	22628	26468	53	02843	24357
279	52	02846	56428	57	02855	57467	57	02745	22367	57	02735	22267
285												
288	54	02956	22427	57	61845	54467	5-	02758	23328	57	02756	23227
575	8-	81847	59487	8-	25845	59585	53	02844	28327	5-	6878	24368
301	56	02845	26627	57	02854	26628						
321	86	02654	24485	8-	02767	25487	5-	05655	23318	5-	05647	23327
299	5-	02757	22427	8-	02757	24327	50	03748	22328	5-	02757	24217
292	87	02956	56527	57	02353	2487	57	22745	23368	5-	02857	22267
310				--	25628	24488				--	67109	24469
614	83	42664	24327	83	81655	22387	57	61665	24386	5-	05645	24168

13h. G.M.T. 12th August ... 18h. G.M.T. — 01h. G.M.T. 13th August ... 07h. G.M.T.

III	$C_L C_M$ (13h)	$wwVhN_h$ (13h)	DDFWN (13h)	$C_L C_M$ (18h)	$wwVhN_h$ (18h)	DDFWN (18h)	$C_L C_M$ (01h)	$wwVhN_h$ (01h)	DDFWN (01h)	$C_L C_M$ (07h)	$wwVhN_h$ (07h)	DDFWN (07h)
333	83	02854	24385	87	81855	24387	5-	00865	24325	57	02847	22228
334	--	25646	26487	--	65647	26428				--	03647	24328
340	8-	02958	24228	5-	02964	23327	5-	02864	26227	57	02965	24226
136	8-	02757	22427	83	02865	22427	03	01790	22324	57	22755	24366
336	57	02755	24426	57	02756	24528				57	02754	28428
350	8-	25854	57487				5-	02767	22317	5-	02877	22227
368	83	02845	23385	83	02846	24327	50	00893	27213	57	02754	28227
379	23	02955	24483	8-	81966	24386	5-	02768	24288	5-	02877	22327
390	86	02866	26426	86	02755	24385	07	05690	24118	5-	05678	24228
382	72	81966	24487	46	02965	23425	5-	02786	22226	54	02876	23327
438	8-	61746	24586	80	14744	24614				7-	02867	24327
430	80	01854	18384	86	02863	24316	03	02790	00016	5-	02876	24226
409	86	02845	27426	8-	02844	24588	5-	62768	24368	57	62747	26268

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 13th August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	cy	cpr₀cy	cycc
Croydon	cpr₀	c	cbcc
Greenwich	c	cyir₀ c	c
Camden Square	c		*
Kensington	bcpbc	bc	*
Hampstead	bcp	bc	0

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

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % (To-day)
Kew	67	56	54	Tr	-	8·0	*	*
Croydon	69	55	52	Tr	-	7·6	*	*
Greenwich	69	55	52	-	-	6·9	54	72
Westminster	68	56	55	0·2			67	81
Regents Park	69	56	54	Tr	-		53	73
Camden Square	69	56	53	-	-	*	*	83
Kensington	69	56	54	0·5	-		57	78
Hampstead	68	54	52	Tr	-		*	87

SECRET

Page 1

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

Friday 14th August 1942 — No. 29485

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base (feet) (15)
1	London (Kew)	14·8	+2	W'N	2	c	65	55	50	8	8	1	-	4-6	10	2500
	Croydon ...	14·9	+4	W	3	c	65	65	53	8	8	1	-	4-6	10	3600
	S. Farnborough	14·9	0	NW's	2	c	66	55	50	8	7	7	8	4 6	10	3000
	Boscombe Down	15·5	+2	W'S	3	c	64	65	51	8	7	7	-	7-8	10	3500
	Thorney Island	15·3	+2	W	3	c	68	55	53	9	5	-	8	4-6	9+	2500
	Lympne ...	15·7	+2	SSW	1	c	64	65	51	9	8	8	-	4-6	9+	3200
	Manston ...	14·5	+4	WSW	2	c	66	55	49	8	2	3	-	2-3	2-3	2800
2	Shoeburyness ...	15·3	+2	W	3	c	65	65	53	6	5	-	-	10	10	3800
	Felixstowe ...	13·7	+6	W'N	4	c	68	55	53	7	8	-	-	9+	9+	3000
	Gorleston ...	13·4	+6	NW	4	c	61	92	58	7	8	-	-	9+	9+	1400
	Mildenhall ...	13·7	+6	W'N	4	c	64	65	53	8	7	3	-	7-8	9+	2500
	Cranwell ...	13·0	+18	W	4	c	63	65	52	7	5	7	-	9+	9+	2500
3	Birmingham ...	14·4	+8	WSW	2	pr	60	75	53	8	8	7	-	7-8	10	2500
	Upper Heyford	14·1	+2	W'N	3	ir.	62	65	51	8	8	2	-	7-8	10	2500
4	Ross-on-Wye	14·8	0	WNW	3	pr	63	75	54	9	8	7	-	2-3	10	3000
5	Hartland Point	15·4	0	NNE	3	c/r	60	92	57	8	8	4	-	7-8	9+	2000
	Bristol ...	15·7	0	W	2	c	64	75	55	7	1	7	-	1	9+	2500
	Portland Bill ...	15·9	+2	WSW	3	c	60	85	56	8	5	4	-	4-6	10	4000
	Plymouth ...	16·9	+2	SW	3	c	60	92	58	7	5	2	-	4-6	10	3000
	The Lizard ...	16·8	+2	WNW	2	c	62	85	59	8	8	2	-	7-8	10	1500
	Scilly (St. Mary's)	17·4	+4	WSW	3	c	63	85	57	8	8	7	-	4-6	10	1000
	Guernsey ...															
6	Pembroke ...	15·7	+2	W'S	3	c	60	85	56	8	8	2	-	7-8	9+	2500
7	Holyhead (Valley)	14·0	+2	W'S	4	c/d	59	92	56	8	6	7	-	4-6	10	1600
	Chester (Sealand)	13·5	+4	NW	3	r.r.	58	92	56	8	6	2	-	7-8	10	2500
8	Manchester ...	13·2	+6	W'S	4	pr	61	75	52	6	8	-	-	7-8	10	1500
10	Spurn Head ...	11·8	+6	WNW	4	r.r.	62	75	55	7	8	7	-	7-8	9+	1500
	Catterick ...	11·4	0	W	3	c	65	65	53	8	8	3	-	7-8	9	2200
	Tynemouth ...	10·9	+4	W	3	c	66	75	56	7	8	3	-	4-6	7-8	2500
11	St. Abbs Head	09·1	+8	WNW	1	c	59	75	51	7	5	-	-	9+	9+	3200
	Leuchars ...	08·8	+6	W	3	c	66	65	55	9	8	3	2	7-8	9	3000
12	Renfrew (Abbotsl.)	10·4	+6	W'S	3	c	60	75	51	8	7	2	-	7-8	9+	3000
	Eskdalemuir ...	10·4	+6	WSW	3	pr	58	75	48	8	5	2	-	7-8	9+	2100
	Point of Ayre ...	12·3	+4	WNW	4	r.	63	85	58	8	8	7	6	2-3	9+	2000
13A	Tiree	09·6	0	WSW	2	c	58	85	54	8	8	-	-	9	9	2000
13B	Stornoway ...	08·4	+2	WSW	3	c	59	85	53	8	5	7	-	7-8	10	2500
13	Dalwhinnie ...	09·0	+10	SSW	3	c	57	75	49	8	5	-	-	9+	9+	2500
	Aberdeen ...	05·0	+8	SE	2	c	61	75	54	8	7	7	-	4-6	10	4000
	Wick ...	08·3	+6	NW	3	c	56	75	49	8	5	-	-	9+	9+	2000
16	Sumburgh ...	06·2	+14	WNW	4	c	54	85	49	7	5	7	-	7-8	10	1000
17	Blacksod Point	11·4	-2	W'S	3	c	62	85	58	8	8	-	-	9+	9+	1500
18	Malin Head ...	09·7	-2	WSW	3	c/d	59	92	57	8	9	2	-	7-8	10	1500
	Aldergrove ...	11·8	0	SW	2	c	60	85	55	8	8	2	-	9	10	2000
19	Birr Castle ...	12·9	-2	SSW	2	c	62	85	58	8	8	1	-	7-8	10	1500
20	Valentia Obsy.	13·9	-6	W'S	4	c/d	62	97	61	6	5	-	-	10	10	450
	Roches Point	14·3	-4	N'W	3	c	60	92	58	8	8	-	-	9+	9+	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	14·8	-2	W	2	c	65	55	50	7	8	7	-	7-8	9+	4000	0	*
	Croydon ...	15·2	0	SW	2	c	63	75	55	7	8	7	-	2-3	9+	4000	0	*
	S. Farnborough	14·8	-2	W'S	2	c	66	55	51	8	7	7	-	4-6	9+	2500	0	*
	Boscombe Down	15·7	0	WSW	2	c	62	75	55	8	5	8	-	4-6	9+	3500	0	*
	Thorney Island	15·3	0	WSW	3	c	63	75	56	9	7	7	-	2-3	10	5700	0	*
	Lympne ...	16·2	+4	W'S	1	c	61	85	55	8	-	7	-	0	10	-	0	*
	Manston ...	14·7	+2	WSW	1	c	64	55	52	8	5	3	-	2-3	9+	2500	0	*
2	Shoeburyness ...	15·4	+2	W'S	2	r.c.	60	85	56	7	5	-	-	10	10	4000	1	*
	Felixstowe ...	14·7	+6	W	4	ir.	66	65	54	7	8	-	-	10	10	4000	1	3
	Gorleston ...	13·9	0	WNW	2	c	64	65	53	7	5	3	-	7-8	9+	1800	0	2
	Mildenhall ...	14·1	+4	WSW	3	c	62	75	54	8	2	9	-	Tr	9	3000	0	*
	Cranwell ...	13·4	+6	W'S	4	c	59	85	53	7	5	7	-	4-6	10	3500	1	*
3	Birmingham ...	14·8	+2	SW	2	c	59	85	54	8	6	7	-	4-6	10	2500	1	*
	Upper Heyford	14·2	+2	W'N	3	c	61	65	51	8	4	7	-	7-8	10	2800	0	*
4	Ross-on-Wye	14·9	0	W'S	1	c	60	85	56	8	5	2	-	9+	10	1500	1	*
5	Hartland Point	14·9	-2	W	3	c	60	85	56	8	5	6	-	7-8	9+	2000	0	4
	Bristol ...	15·4	-2	WSW	2	c	62	85	57	8	7	7	-	4-6	10	4000	0	*
	Portland Bill ...	15·4	-2	W.SW	3	c	60	85	56	8	5	-	-	10	10	4000	1	4
	Plymouth ...	16·0	-6	WSW	4	c	61	85	58	8	8	7	-	4-6	9+	2500	0	3
	The Lizard ...	16·3	+4	W	2	c	59	92	57	8	8	2	-	7-8	10	1500	1	3
	Scilly (St. Mary's)	16·2	-10	SW'W	3	c/d	59	97	58	6	5	2	-	7-8	10	1000	1	3
	Guernsey ...																	
6	Pembroke ...	14·6	-2	WSW	3	c	60	92	57	8	8	6	-	4-6	9	2500	0	3
7	Holyhead (Valley)	13·2	-4	SSW	3	c	59	92	56	8	5	7	-	4-6	10	5000	1	3
	Chester (Sealand)	13·4	+2	SSW	1	c	61	75	53	8	5	1	-	4-6	10	3000	1	*
8	Manchester ...	13·4	+2	-	0	c/pr	58	92	54	6	4	-	-	4-6	10	2000	1	*
10	Spurn Head ...	12·4	0	W	3	2c	62	75	55	6	7	3	1	4-6	7-8	2500	0	3
	Catterick ...	12·2	+6	W	2	c	67	55	49	8	8	7	-	4-6	7-8	2800	0	*
	Tynemouth ...	11·6	+4	W	3	bc	64	75	56	7	2	3	-	4-6	4-6	2800	1	2
11	St. Abbs Head	10·1	+8	ENE	1	c	61	65	50	8	2	7	-	4-6	7-8	3000	0	2
	Leuchars ...	09·5	+4	WNW	2	c	64	75	56	8	8	6	7	2-3	10	2800	0	*
12	Renfrew (Abbotsl.)	10·7	+2	SW	2	c	60	85	54	8	8	2	-	7-8	10	1800	1	*
	Eskdalemuir ...	11·2	+4	WSW	2	c	58	85	52	8	8	7	-	4-6	9	2200	1	*
	Point of Ayre ...	12·1	+2	W	3	c	62	75	55	8	5	7	6	4-6	9+	5000	0	2
13A	Tiree	09·6	0	S	1	c	58	92	53	8	8	-	*	9	9	2500	0	3
13B	Stornoway ...	09·6	+4	WNW	3	c	59	85	54	8	7	3	*	7-8	9+	2000	1	1
13	Dalwhinnie ...	10·1	+2	WNW	2	c	57	75	48	8	5	-	-	9+	9+	2500	0	*
	Aberdeen ...	10·4	+6	NE'E	2	c	59	85	55	7	7	2	-	9+	10	2500	1	1
	Wick ...	09·4	+8	NW	2	c	55	85	50	9	5	-	-	7-8	10	3000	0	*
16	Sumburgh ...	07·4	+6	W'N	4	d.d.	52	92	50	7	5	2	-	7-8	10	800	1	3
17	Blacksod Point	11·8	+4	W'N	2	c	58	92	56	8	5	-	-	10	10	1500	1	2
18	Malin Head ...	10·1	0	NW	3	c/f	58	92	56	7	5	2	-	4-6	7-8	800	1	2
	Aldergrove ...	11·0	-4	SSW	2	c	62	75	55	8	5	-	*	10	10	2000	0	*
19	Birr Castle ...	11·6	-4	SSW	2	c	66	85	61	8	8	7	-	7-8	10	1500	1	*
20	Valentia Obsy.	13·5	-4	W'N	3	m/d	60	97	59	4	5	-	*	10	10	220	1	3
	Roches Point	12·5	-10	SW'W	3	c	60	92	58	8	5	3	*	4-6	7-8	1500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. (39)	Weather. 13h.—18h. (40)	Weather. 18h.—1h. (41)	Weather. 1h.–7h. (42)
		13th.	13th.	13th to 14th.	14th.
1	London (Kew)	ccy	cr.pr.c	cir.c	cm.
	Croydon ...	cbccy	c	cid.c	cid.cmw
	S. Farnborough	cy	cy	cid.pR	c
	Boscombe Down	cr.c	c	cpr.ir.	ccm.F
	Thorney Island	cbccy	cyc	c	e
	Lympne ...		c	cir.c	ccm.c
	Manston ...	c	cyc	ccm.c	cri.cm.
2	Shoeburyness ...	cbccm.	cm.cr.r.	cr.r.c	cir.bcm.
	Felixstowe ...	beccy	cpr.	cpr.cir.	cir.c
	Gorleston ...	c	c	c	cm.
	Mildenhall ...	c	c	cir.	cid.m.cm.c
	Cranwell ...	cd.r.	cpr.c	ccm.	cm.w
3	Birmingham ...	cpr.	cpr.	c	cz
	Upper Heyford	c	cir.	ccid.c	ccid.m.
4	Ross-on-Wye	cpr.	ever.c	c	cbcc
5	Hartland Point	cir	bcc	cir.c	cir.o Ffc
	Bristol ...	c	c	c	cbc
	Portland Bill ...	c	c	c	co
	Plymouth ...	cir.c	crrc	cir.d.d.	od.d.fm.
	The Lizard ...	cidc	cpr	coddf	odfrf
	Scilly (St. Mary's)	cp.c	cid.	odfdf	dorfrf
	Guernsey ...				
6	Pembroke ...	cpr	c	fd.d.	F d.d.
7	Holyhead (Valley)	cd.r.r.c	c	cpm.	od.d.fm.
	Chester (Sealand)	cra.ir	cir.	c	cbcbm.
8	Manchester ...	mrrir.	cpz.rm.	bccm.	cbcm.
10	Spurn Head ...	cpr.c	cm.	cm.	bm.
	Catterick ...	cir.c	cy	cbcbm.	bm.bcF
	Tynemouth ...	cbcc	cbc	bc	bccm.
11	St. Abbs Head	c	cm.	cm.bcc	c
	Leuchars ...	cbcc	cp	c.bc.bc	ir.d.m.
12	Renfrew (Abbotsl.)	c	c	fddd.d.	cd.d.fm.c
	Eskdalemuir ...	cpr.	cprc	c	crr.d.
	Point of Ayre ...	r	irc	cr.r.	r.r.c
13A	Tiree	c	bcc	cid.c	cbc
13B	Stornoway ...	c	c	c	cbcid.
13	Dalwhinnie ...	coc	c		cpr.
	Aberdeen ...	c	cpre	cR.r.cm.	cbccm.
	Wick ...	ed.cd.d.c	c	c	cir.c
16	Sumburgh ...	ed.d.id.m.c	cd.d.m.	cd.d.m.c	cbccf
17	Blacksod Point	c	c	d	c
18	Malin Head ...	r	c	d	d
	Aldergrove ...	cpr.cid.c	c	bcc	
19	Birr Castle ...	c	c		c
20	Valentia Obsy.	r	d	c	bc
	Roches Point	c	d	d	c

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light Southerly winds; fair, considerable fog towards dawn; temperature rather above average; close.
4 W. Midlands 5 S.W. England 6 South Wales	Light Southwest winds; cloudy with local slight rain or drizzle and coast fog; average temperature.
7 North Wales 8 N.W. England 9 N. Midlands ...	Light variable winds; mainly fair, cloudy locally with coast fog in extreme Northwest; average temperature; local fog at dawn.
10 N.E. England 11 S.E. Scotland	As 1-3
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light Southwest wind freshening; mainly fair at first but rain spreading from West after dawn; temperature rather above average.
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

Pressure is low to the East and Southeast of Iceland, and high from the Azores to the Bay of Biscay. A weak trough over the British Isles is moving very slowly east, and further troughs are approaching from the West. Weather will be mainly fair over most of the country today but it will be dull with some rain or drizzle in the extreme South and Southwest England and South Wales. Rain will spread into West Scotland and Northwest Ireland tomorrow morning.

FURTHER OUTLOOK

Unsettled.

Forecasts issued at 10.30 G.M.T.

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

7h. Friday 14th August 1942.

LOW

HIGH

1010

1012

1014

10° 5°W. 0° 5°E. 10°

60° 55° 50°

Mb. 1050 1040 1030 1020 1010 1000 990 980 970 960 950 940

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F.

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in mbs.

Dew Point °F

Low cloud

Weather in past hour

Past weather

Amount of Low cloud

Height of Low cloud

15°E. Scale 1 : 5,000,000.

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

C.385/4346. Wt. 3444. D.1850. Gp. 246/3. 9250. 8/42

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.

Morning of

Friday 14th August

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles. 0 1 2 3 4 1000

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Friday 14th August 1942

No. 29485

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	60	*	*	*	*	*	*	*	*	*
	Croydon	290	15.7	+2	S	1	c	59	97	57	7	5	-	-	4-6	10	3100
	S. Farnborough	226	15.6	-2	SW	1	c	59	85	56	7	5	7	-	2-3	9+	7000
	Boscombe Down	417	16.2	0	S'E	1	c	57	97	56	7	5	-	-	7-8	9	4500
	Thorney Island	10	15.9	-2	SW'W	1	c	60	92	58	8	5	3	-	7-8	10	2300
	Lympne	283	16.7	-2	-	0	c	57	92	55	7	5	2	-	4-6	10	3000
	Manston	154	15.6	-2	-	0	c	58	92	56	7	5	-	-	10	10	3900
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	15.6	+2	SW'W	1	ir₀	60	85	54	7	5	-	-	10	10	5700
	Gorleston	5	15.5	+6	WSW	1	c	57	85	51	7	8	-	-	10	10	1500
	Mildenhall	15	15.5	+2	SW	1	ir₀	57	92	55	7	5	-	-	10	10	3800
	Cranwell	203	14.8	+4	-	0	z₀	55	92	53	5	5	-	-	10	10	3500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15.2	+2	W	2	c	57	97	55	7	5	-	-	10	10	5800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14.3	-4	WSW	3	c/d	59	97	59	6	5	2	-	9	10	1500
	Bristol	209	16.0	0	SW	1	c	59	92	57	7	5	1	-	9	10	2900
	Portland Bill	32	15.7	+6	WSW	2	c	58	85	54	8	5	-	-	10	10	4000
	Plymouth	82	16.0	-4	W	1	d₀d₀	59	97	59	6	5	-	-	10	10	1000
	The Lizard	240	15.7	-6	W	3	df	59	97	59	3	5	-	-	10	10	600
	Scilly (St. Mary's)	163	15.1	-6	SW'W	3	df	59	97	59	2	-	-	-	10	10	450
	Guernsey	175															
6	Pembroke	142	14.2	-4	SW'S	3	df	60	97	60	2	-	-	-	10	10	450
7	Holyhead (Valley)	32	13.7	+2	SSW	3	id₀	58	97	57	6	5	-	-	10	10	200
	Chester (Sealand)	16	13.7	-2	SSE	1	c	57	92	54	7	5	-	-	7-8	7-8	3900
8	Manchester	235	14.0	+2	SSW	3	z₀	55	97	54	6	5	-	-	10	10	2900
10	Spurn Head	29	13.9	+4	W'S	3	z₀	58	85	53	6	7	7	-	4-6	9+	2500
	Catterick	175	14.3	+6	S'E	1	z₀	52	92	50	6	-	7	-	0	Tr	-
	Tynemouth	108	13.1	+8	W	2	bc	56	92	53	6	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	11.4	+6	SW	2	c	56	85	52	7	5	-	-	7-8	7-8	4000
	Leuchars	36	11.6	+6	-	0	c	55	92	54	7	5	7	-	2-3	9+	5000
12	Renfrew (Abbots I.)	19	11.5	-2	SSW	1	df	57	92	54	3	5	-	-	4-6	10	1000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	12.5	0	SSE	1	r₀r₀	57	97	54	7	-	2	-	9+	9+	1800
13A	Tiree	22	11.0	+2	-	0	c/d	56	97	56	7	5	-	-	10	10	400
13B	Stornoway	80	10.2	0	-	0	c	55	92	53	7	5	7	-	7-8	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	11.4	+2	-	0	m	52	97	52	4	5	7	-	4-6	7-8	3000
	Wick	114	11.1	+2	S	1	c	53	92	51	8	5	7	-	4-6	9+	4000
16	Sumburgh	19	10.4	+6	W	3	c	52	85	48	7	5	-	-	10	10	1800
17	Blacksod Point	18	13.0	+2	WNW	2	id₀	55	97	54	7	6	2	-	2-3	9	1500
18	Malin Head	84	11.6	+4	W	1	c/d	56	97	55	6	8	2	-	4-6	10	800
	Aldergrove	268	12.2	+4	-	0	c	55	92	53	8	5	-	-	7-8	7-8	2800
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	14.0	+2	NNE	2	c	55	85	51	8	5	-	-	9+	9+	2500
	Roches Point	22	13.3	0	NW	2	c	60	92	58	8	5	-	-	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	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 13½ Hrs. (38)
London (Kew)	16.0	+4	SSW	2	z₀	60	85	56	6	5	-	-	9+	9+	2500	0	*	65	56	47	Tr	Tr	1.5
Croydon	15.9	+2	S	1	c	58	97	57	6	5	4	-	9+	9+	3500	1	*	67	55	52	Tr	Tr	1.5
S. Farnborough	15.8	+6	SW'S	1	z₀	59	92	57	6	5	7	-	7-8	9+	6000	0	*	67	57	50	-	0.4	1.5
Boscombe Down	16.2	+6	SE'S	3	c/f	56	97	56	5	5	-	-	7	9	5000	0	*	65	54	52	-	Tr	0.4
Thorney Island	15.9	+8	-	0	c	61	92	54	7	5	3	1	4-6	7-8	4000	0	*	68	58		Tr	-	*
Lympne	17.2	+2	WSW	1	c	59	92	56	7	5	-	-	9+	9+	1500	0	§ 2	67	55		-	-	1.6
Manston	16.2	+4	-	0	c/r	59	92	56	6	5	3	-	2-3	7-8	6000	1	*	67	57	55	-	0.4	0.4
Shoeburyness	16.2	+6	SSW	2	bc	61	92	56	6	-	3	-	0	4-6	-	1	*	69	57	53	1	0.2	1.2
Felixstowe	16.0	+4	-	0	c	60	85	54	7	5	7	-	7-8	9	4500	1	1	71	58	56	Tr	0.5	4.6
Gorleston	16.1	+6	SW	2	z₀	57	85	53	6	5	-	-	9+	10	1700	0	2	65	56	52	-	-	1.6
Mildenhall	15.6	+2	SSW	1	c	58	92	55	7	5	-	-	9+	9+	4000	0	*	67	55	53	Tr	Tr	1.5
Cranwell	15.0	+4	-	0	z₀	57	92	55	6	5	-	-	9	9	6000	0	*	*	54	52	Tr	-	0.4
Birmingham	14.9	+2	SSW	1	z₀	57	92	55	6	5	-	-	9+	9+	2500	1	*	62	54	45	0.1	Tr	0.8
Upper Heyford	15.4	+4	SSW	1	id₀	56	97	55	6	5	-	-	10	10	1000	0	*	64	55	48	Tr	Tr	[illegible]
Ross-on-Wye	15.0	0	SW'S	2	z₀	59	92	57	6	5	-	-	9	9	3500	1	*	63	56	53	0.4	-	0.6
Hartland Point	13.6	+2	WSW	2	f-	60	97	60	3	-	-	-	10	10	450	1	2	63	58	58	0.3	1	1.7
Bristol	15.8	+2	SSE	1	c	59	92	57	8	5	3	-	1	9+	5700	0	*	65	56	51	-	-	0.7
Portland Bill	15.4	+4	S	3	o	60	92	58	7	5	-	-	10	10	2500	1	4	61	61	*	-	-	*
Plymouth	15.0	-2	WSW	1	dd	60	97	60	4	5	-	-	10	10	600	1	2	65	58	59	0.2	3	1.8
The Lizard	15.0	-2	W	2	rf	59	99	59	2	5	-	-	10	10	400	1	3	65	57	*	0.2	8	0.8
Scilly (St. Mary's)	14.6	-4	SW'W	3	c/f	59	97	59	6	6	2	-	7-8	10	500	1	3	64	59	*	0.1	12	0.3
Guernsey																							
Pembroke	13.3	0	S'E	1	dF	59	97	59	1	-	-	-	10	10	450	1	2	62	*		Tr	1	0.5
Holyhead (Valley)	13.6	+4	SSW	2	d+	58	97	53	4	5	-	-	10	10	400	1	3	61	57	54	0.2	0.5	*
Chester (Sealand)	13.8	+2	SE'S	1	z₀	54	97	53	5	-	4	-	0	2-3	-	0	*	64	54	47	1	Tr	0.5
Manchester	14.3	+4	SSE	3	z₀	57	92	54	6	5	4	-	2-3	2-3	3000	1	*	61	54	45	1	-	*
Spurn Head	15.0	+8	SW'W	2	z₀	57	92	54	6	-	-	-	0	0	-	0	3	64	55	*	-	-	0.2
Catterick	14.8	+6	SSE	2	cf-	48	97	48	3	5	3	-	2-3	9+	5700	0	*	68	46	40	Tr	3	3.4
Tynemouth	13.7	+2	SW	3	z₀	55	92	53	5	5	-	-	9	9	2300	0	2	67	54		-	-	*
St. Abbs Head	11.8	+2	SW	3	c	56	92	54	7	5	-	-	10	10	4000	0	2	61	54	*	-	-	*
Leuchars	12.0	+6	-	0	c/d	57	97	56	6	5	7	-	7-8	10	4000	1	*	67	54	47	Tr	0.3	3.6
Renfrew (Abbots I.)	12.2	+10	SW	3	z₀	58	92	56	6	5	3	-	7-8	9	1500	1	*	65	56	54	-	1	2.1
Eskdalemuir	13.0	+4	-	0	d₀d₀	53	92	52	4	-	2	-	10	10	100	1	*	63	52	52	0.5	1	0.7
Point of Ayre	12.8	+6	W'N	2	c	59	97	58	7	5	7	-	2-3	9+	2500	1	2	65	56	*	Tr	4	0.7
Tiree	11.6	+8	WSW	2	bc/f	54	97	54	5	5	-	-	4-6	4-6	800	0	2	60	53	*	-	-	3.2
Stornoway	10.6	+2	S	1	bc	55	97	48	8	5	4	1	2-3	7-8	1000	1	1	62	54	*	-	1	[illegible]
Dalwhinnie	11.6	+2	S	1	c	53	97	52	7	5	-	-	9+	9+	1500	1	*	57	48	39	-	0.1	[illegible]
Aberdeen †	12.3	+6	-	0	z₀	52	97	51	5	5	3	-	1	9+	1500	1	0	61	47	42	1	4	0.6
Wick	11.6	+6	-	0	c/r	55	92	55	9	5	7	-	4-6	9+	3000	1	*	59	52		Tr	0.2	*
Sumburgh	11.7	+12	WSW	1	bc	53	75	44	9	5	-	-	7-8	7-8	3000	1	2	55	51	47	Tr	-	0.0
Blacksod Point	13.0	+2	SSE	1	c	56	85	51	8	5	-	-	10	10	4000	1	1	63	53	*	0.4	3	*
Malin Head	12.3	+8	WNW	2	c	56	92	54	8	5	2	-	7-8	10	450	1	1	61	55		1	1	0.4
Aldergrove	13.0	+8	SW	1	c	55	92	55	7	5	1	-	9+	9+	3600	1	*	63	49	42	0.1	3	0.0
Birr Castle	13.1	+6	WSW	1	c	56	92	54	8	5	2	-	7-8	10	2500	1	*	66	55	51	-	-	2.3
Valentia Obsy.	13.2	+2	NE'E	2	c	50	97	49	9	5	-	-	9	9	4000	1	3	62	47	42	0.4	Tr	0.0
Roches Point	13.5	+2	E	1	c	59	92	56	8	5	-	-	9+	9+	1500	1	2	62	58	*	Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC	13h. G.M.T. 13th August $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 14th Aug. $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	57	02856	25427	7-	01854	25314	5-	03868	00058	5-	02756	16166
115										52	02844	20327
203	5-	02847	24215	8-	02948	16228	5-	03948	16328			
206	87	02866	26258	82	02965	00088	5-	02867	00067	5-	09867	26127
210	83	25865	25397	87	02965	24227	53	05664	16124	53	02864	00065
220	53	01854	27115	57	02834	25117				52	02636	20128
230	87	02955	20365	53	02954	18227	5-	62528	00068	5-	42508	18156
245	89	63966	12367	53	02764	10287	50	05663	22113			
260	84	02754	24215	77	02753	24226	57	61764	24128	57	02865	00066
276	83	02847	22367	57	02843	19258	5-	21728	14258	5-	02717	30227
279	87	02844	22467	8-	02853	20367	52	02755	17126	52	61648	23268
285				27	81745	26487						
288	77	02865	24327	84	22384	10865	03	05690	18213	07	02830	18167
575	52	51634	20268	24	02955	28255	5-	54628	26258	5-	52648	26158
301	51	22845	26458	53	02874	22387	5-	12225	05645	5-	08466	14226
321	57	05655	24328	52	05676	23228	00	05590	20210	--	46109	16140
299	8-	03758	24228	8-	02767	26127	50	00790	00000	50	05663	00003
292	87	02864	56327	83	23314	12061	00	05690	19214	--	44209	00049
310	--	01635	24415	--	02628	24428				--	46209	20349
614	87	05655	20327	52	61545	24158	53	05664	22125	03	43350	00025

IIIC	13h. G.M.T. 13th Aug. $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 14th Aug. $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
333	87	22874	20268	57	22855	20268	5-	52638	16158	5-	52628	16258
334	--	61647	26288	--	03755	28258				--	04573	24114
340	12	61965	22268	72	02576	21168	57	02875	18225	50	05663	15103
136	5-	22654	22368	57	02765	23228	5-	05688	22228	5-	05676	18226
336	57	02756	24328	51	22755	24368				--	46309	16349
350	22	02953	25227	77	02863	23267	52	61664	16168	07	05690	18225
868	57	02844	24366	5-	02846	24317	5-	21648	00058	57	02754	12227
379	12	62865	24368	55	24168	14659	5-	05628	24258	57	05626	20327
890	8-	02768	24328	57	61775	26268	57	61665	00068	53	05584	00065
882	72	61965	24368	57	02865	00028	5-	02778	00028	57	02866	00027
438	81	02755	22428	87	02654	22328	5-	02768	22328	62	02638	18228
430				17	02861	23327	5-	05638	24128	53	05674	00025
409	87	02846	22427	52	21735	21458	5-	54408	22258	--	57109	10259

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 14th August
Day 7h—18h Kew and Croydon, 9h—18h Kensington 9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	cy	cr₀pr₀c	r₀cm₀
Croydon	dbccy	c	cid₀mw
Greenwich	cbccy	cr₀cy	c
Camden Square	c	c	*
Kensington	bcc	c	*
Hampstead	obcp	o	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0.1, Time 18-21h 13th. Min. 0.1, Time 0-7h 14th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	65	56	47	Tr	Tr	1.5	*	*
Croydon	67	55	52	Tr	Tr	1.5	*	*
Greenwich	68	56	46	Tr	-	1.9	54	76
Westminster	67	58	55	-	-		68	83
Regents Park	67	58	53	-	-		65	69
Camden Square	68	58	53	-	-	*	*	74
Kensington	68	58	52	Tr	-		63	73
Hampstead	65	56	54	Tr	-		*	81

Page 1 BRITISH SECTION

SECRET

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

Saturday 15th August 1942

No. 29486

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	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)	16·4	-2	SW	3	c	68	65	56	8	8	3	8	7-8	9	2500
	Croydon ...	16·3	0	S	1	bc	71	65	57	8	2	6	-	7-8	7-8	3500
	S. Farnborough	16·3	+2	SSW	3	c	70	65	56	8	8	7	8	4-6	9	2000
	Boscombe Down	16·2	0	S	3	c	64	85	59	8	5	-	-	10	10	1200
	Thorney Island	16·7	+2	SSW	3	c	66	85	57	9	5	7	-	4-6	9	2500
	Lympne ...	18·0	+2	S	2	c	63	85	57	8	2	7	-	4-6	9+	3000
	Manston ...	16·6	0	WSW	2	pr	66	75	56	8	2	7	-	7-8	9+	1800
2	Shoeburyness ...	17·0	-2	SSE	2	c	67	75	59	8	8	-	-	9+	9+	2500
	Felixstowe ...	16·6	0	SSE	3	bc	68	65	58	7	7	3	-	2-3	4-6	3000
	Gorleston ...	17·3	+4	S	4	c	61	85	56	7	5	-	-	10	10	1700
	Mildenhall ...	16·1	-2	SW'S	2	c	70	55	55	8	8	-	-	7-8	9	3500
	Cranwell ...	15·5	+4	SW	1	c	66	65	54	7	7	-	-	9	9	3000
3	Birmingham ...	15·4	0	S	3	c	64	65	52	8	8	3	-	7-8	9+	2500
	Upper Heyford	15·2	-2	S	3	c	70	55	55	8	2	3	-	7-8	9+	3000
4	Ross-on-Wye	14·9	0	S'W	2	c	67	75	59	8	8	-	-	10	10	2500
5	Hartland Point	14·6	+4	WSW	3	of	61	97	61	3	5	-	-	10	10	300
	Bristol ...	15·7	-2	SSE	2	dr	66	85	61	8	5	2	-	4-6	10	1500
	Portland Bill ...	16·6	0	SW	3	f	60	92	58	3	5	-	-	10	10	<150
	Plymouth ...	16·3	+6	SW'W	4	z0	60	97	60	6	5	2	-	9	10	1000
	The Lizard ...	16·9	+10	WSW	3	c	58	97	59	8	8	6	-	7-8	7-8	2000
	Scilly (St. Mary's)	15·3	0	S'W	3	c/r	66	92	63	8	8	7	-	2-3	10	1200
	Guernsey ...															
6	Pembroke ...	14·6	+4	SSW	2	c	63	92	61	8	5	-	-	9+	9+	2000
7	Holyhead (Valley)	14·4	+2	SW	1	bc	65	85	59	8	8	-	-	4-6	4-6	200
	Chester (Sealand)	13·7	-2	SE	3	c	72	65	58	8	8	-	-	7-8	7-8	3500
8	Manchester ...	14·3	-4	SSE	3	bc	70	65	57	7	2	-	-	4-6	4-6	2500
10	Spurn Head ...	15·5	+2	SE	3	z0	63	85	59	6	2	6	-	2-3	9+	4100
	Catterick ...	14·6	-4	SW'S	2	z0	70	65	58	6	3	3	-	4-6	4-6	2800
	Tynemouth ...	14·6	0	SE	2	z0	60	85	56	6	5	-	-	9+	9+	2400
11	St. Abbs Head	12·8	+2	E	2	c	65	75	54	7	2	4	-	4-6	7-8	3000
	Leuchars ...	12·6	+2	ESE	2	c	64	85	59	7	2	3	-	9+	9+	3000
12	Renfrew (Abbots I.)	12·7	+2	W	3	c	68	65	55	8	2	1	8	4-6	7-8	3000
	Eskdalemuir ...	13·3	+2	SW'S	2	c	62	85	56	8	5	-	-	7-8	7-8	2100
	Point of Ayre ...	13·8	+2	S'E	2	sjf	61	92	58	7	5	-	-	9+	9+	6000
13A	Tiree ...	12·3	+4	SW	2	c	58	85	53	8	5	-	-	9	9	2500
13B	Stornoway ...	11·3	+2	SSE	3	c	58	92	55	8	5	7	-	7-8	9+	2000
15	Dalwhinnie ...	12·5	+2	SSW	3	c	64	65	53	8	8	-	6	4-6	9+	2500
	Aberdeen ...	12·8	0	SSE	3	z0	62	75	55	6	2	3	-	1	9	3500
	Wick ...	12·3	+2	SSE	2	c	59	85	54	9	2	3	-	2-3	9	3000
16	Sumburgh ...	12·9	+2	SSE	2	c	55	85	50	8	5	7	-	2-3	9	4000
17	Blacksod Point	12·8	-2	—	0	c	62	75	54	9	5	-	-	10	10	4000
18	Malin Head ...	12·9	+2	N	1	c	60	85	55	8	5	-	-	10	10	1500
	Aldergrove ...	13·5	+2	SW	1	c	64	55	48	9	8	7	6	9	9+	4000
19	Birr Castle ...	13·1	-2	SW	1	c	65	65	53	8	5	-	-	9	9	2500
20	Valentia Obsy.	12·9	+6	SW	2	bc	67	75	59	9	5	-	1	7-8	7-8	2500
	Roches Point	13·3	-6	SE'S	3	c	61	85	56	8	5	-	-	9	9	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	16·4	0	SW'W	4	c	66	75	59	8	8	3	-	4-6	7-8	2500	0	•
Croydon	16·6	+4	SSW	3	oc	66	85	49	8	4	4	-	4-6	7-8	2500	0	•
S. Farnborough	16·4	+2	SSW	3	ir0	65	85	60	8	7	2	-	9	10	1800	1	•
Boscombe Down	16·3	+2	S'W	4	c	64	85	60	7	5	-	-	10	10	1200	0	•
Thorney Island	16·7	-2	SW	3	c/d	63	92	61	7	5	-	-	7-8	10	800	0	•
Lympne	18·0	+2	S	2	c	62	92	59	8	3	3	-	7-8	9	1200	0	§
Manston	16·7	-2	SSW	2	bc	66	75	59	9	1	3	-	Tr	4-6	2500	0	•
Shoeburyness	16·7	0	SSW	3	bc	68	75	61	8	5	-	-	2-3	2-3	7000	0	•
Felixstowe	16·3	+10	SSE	2	bc	65	85	61	7	5	7	-	2-3	4-6	6000	0	2
Gorleston	17·3	0	SSW	4	bc	64	85	59	7	-	3	-	0	4-6	-	0	3
Mildenhall	15·5	-2	SE	2	bc	70	65	56	8	2	6	-	2-3	4-6	3500	0	•
Cranwell	14·4	-6	S'E	2	bc	69	65	56	7	2	6	-	2-3	4-6	4500	0	•
Birmingham	14·5	-4	S	2	bc	70	68	58	8	8	-	-	4-6	4-6	2500	1	•
Upper Heyford	15·0	+2	SSW	3	c	69	75		8	2	6	-	4-6	7-8	2500	0	•
Ross-on-Wye	14·8	0	S	2	ir0	65	92	63	7	6	7	-	9+	10	2500	1	•
Hartland Point	15·0	0	WSW	3	c	62	85	58	8	2	4	-	2-3	7-8	2500	0	3
Bristol	15·6	0	—	0	r	64	97	64	5	6	2	-	9	10	300	1	•
Portland Bill	17·2	+4	SW	3	c	61	92	59	8	5	-	-	7-8	7-8	4000	1	3
Plymouth	16·3	-4	SSW	2	bc	62	97	61	7	8	4	-	4-6	4-6	500	1	2
The Lizard	15·9	-10	S	3	id0	61	92	59	7	5	-	-	10	10	600	0	3
Scilly (St. Mary's)	14·9	-6	S	3	f	62	92	61	2	-	-	-	10	10	<150	1	
Guernsey																	
Pembroke	15·0	+2	S	3	c	60	97	58	7	8	-	-	10	10	2500	0	3
Holyhead (Valley)	13·9	-2	SW	2	bcjf	63	85	58	9	2	3	2	1	4-6	1500	1	2
Chester (Sealand)	13·5	+4	NW'W	2	c	67	75	60	8	2	-	6	9	9+	3500	0	•
Manchester	13·6	-2	S	3	bc	69	65	57	8	2	3	-	2-3	4-6	3000	0	•
Spurn Head	15·4	+2	SE	4	bc	61	85	58	7	1	3	1	2-3	4-6	4000	0	3
Catterick	13·8	0	SE	1	z0	68	65	59	5	2	-	-	9	9	3000	0	•
Tynemouth	14·5	0	SE	3	bc	60	85	55	7	8	3	1	4-6	4-6	2400	0	
St. Abbs Head	12·6	-4	SW	1	bc	65	75	55	8	5	4	-	2-3	4-6	3500	0	1
Leuchars	12·3	0	SSE	2	bc	66	75	60	7	8	6	8	2-3	7-8	3200	0	•
Renfrew (Abbots I.)	12·6	-2	W'S	3	bc	67	55	52	9	4	3	5	4-6	7-8	5000	1	•
Eskdalemuir	13·0	0	SW	2	bc	63	75	54	8	8	-	1	Tr	2-3	2700	0	•
Point of Ayre	13·5	-2	S'W	1	c	62	75	55	8	4	4	2	4-6	9	6000	0	2
Tiree	11·8	-6	S	2	c	59	85	55	9	7	3	6	2-3	7-8	2800	0	3
Stornoway	11·0	-6	SSW	4	c	59	85	53	9	5	7	-	7-8	9+	2500	1	1
Dalwhinnie	12·0	0	SW	2	bc	61	65	51	8	2	-	-	2-3	2-3	4000	0	•
Aberdeen	12·4	-2	S'W	3	bc	61	85	56	7	5	-	-	2-3	2-3	4000	1	2
Wick	12·1	+2	SE	1	bc	59	92	56	9	5	3	-	4-6	4-6	3500	0	•
Sumburgh	13·6	+6	SSE	2	c	56	92	54	7	5	7	-	10	10	700	1	2
Blacksod Point	10·9	-18	S'W	3	c	60	85	55	8	8	5	4	4-6	7-8	2500	0	3
Malin Head	11·7	-10	E	3	c	59	85	54	8	8	-	-	7-8	7-8	2500	1	1
Aldergrove	12·3	-6	E	1	c	64	75	56	9	5	-	-	9+	9+	3000	1	•
Birr Castle	11·8	-10	S	1	c	65	85	60	8	5	1	-	7-8	9+	2500	0	•
Valentia Obsy.	11·8	-6	S'W	3	c	64	85	59	9	8	-	-	9+	9+	1500	1	2
Roches Point	12·3	-6	S'E	3	f	61	97	60	2	-	-	-	10	10	<150	1	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 14th (39)	Weather 13h.—18h. 14th (40)	Weather 18h 14th to 1h. 15th (41)	Weather 1h.–7h. 15th (42)
London (Kew)	cm0c	bcc	ccir0c	cbcw
Croydon	cbc	bcc	occbc	bcc
S. Farnborough	c	cid0ir0	cir0c	cbc
Boscombe Down	cm0c	cr0d0m0c	crr0bc	cid0bc
Thorney Island	c	cid0cid0c	id0bcm0	bcccm0
Lympne	c	cbcc	com0	ccm0c
Manston	bccpr0	pr0bc	bcwcidm0	cd0d0
Shoeburyness	bcm0c	cbc		
Felixstowe	cbc	cbc	bcb	cm0cm0
Gorleston	c	cbc	bcmbm	cm0w
Mildenhall	cbccy	cybc	bbcbm0	cm0c, bcc
Cranwell	c	cbc	bm0	b,cm0bc
Birmingham	cbcc	pr0bc	bcc	com
Upper Heyford	bcc	c	ccr0r0m0	cm0ccm0
Ross-on-Wye	c	ccir0	cb	co
Hartland Point	ffd	Focbcc	c	cid0
Bristol	cid0c	cirir	crrcbcb	bbcc
Portland Bill	crrf	c	c	co
Plymouth	od0d0cm0	bccbc	cd0dom0	cd0d0m0f
The Lizard	cprc	bcodd	oddff	df
Scilly (St. Mary's)	cir0	id0ffo	id0ffe	oFFe
Guernsey				
Pembroke	c	cm0	fd0d0	ifd0d0, ifdr0
Holyhead (Valley)	d0d0jfc	bcjf	bccd0	d0d0ddf
Chester (Sealand)	bm0bcbz	bcycyc	cbcm0wb	bmwcm0
Manchester	bcm0bc	bcy	bcpr0m0	cm0
Spurn Head	cm0	bc	bcb	cm0
Catterick	cm0bcz0	bcz0cz0	cbcmbm	bcmcfof
Tynemouth	cp0m0	cm0bc	bcm0	bccm0
St. Abbs Head	cm0d0c	cbc	bc	bc
Leuchars	cm0c	cbcm0	bccbc	bcm0wcm0
Renfrew (Abbots I.)	c	cybcy	bccm0w	wcm0id0
Eskdalemuir	od0mc	cbc	bc	bccord
Point of Ayre	fc	irc	cbcc	bDDc
Tiree	c	cbc	c	corr
Stornoway	c	c	c	c
Dalwhinnie	c	cbc		bcpr0o
Aberdeen	cbccz0	cz0b	bbcbvw	bcjfcm0w
Wick	c	cbc	bf	c
Sumburgh	c	c	ccm0	cm0
Blacksod Point	c	c	r	d
Malin Head	c	c	c	r
Aldergrove	cbccy	cyc	c	crrir0c
Birr Castle	c	c	d	r
Valentia Obsy.	bc	bc	r	r
Roches Point	d	d	d	r

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Moderate Southwest wind veering West tomorrow; fair and warm today but cloudy with coast fog in South tonight; fair tomorrow after a short period of rain early; warm and close.
4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England	Fresh Southwest wind veering west, some rain or drizzle with much very low cloud and fog on exposed coasts; little rain in sheltered inland districts; improving to fair generally during the night; temperature average, rather warm and close inland.
9 N. Midlands; 10 N.E. England	Fresh Southwest wind, veering Westerly; cloudy, with some slight local rain; fair tomorrow, rather warm and close.
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 to Southwest wind, veering to Westerly finally tomorrow; rain spreading East across the area today, followed by fairer conditions with some showers in the North tomorrow; average temperature.
16 Orkneys and Shetlands	Moderate to fresh Southeasterly wind, veering Southwest, fair at first, rain this evening becoming showery tomorrow; average temperature
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Fresh Southwesterly wind, veering west; rain or drizzle today, fair tomorrow; average temperature.

GENERAL INFERENCE

A depression South of Iceland is moving Northeast and troughs will cross the British Isles. It will be fair and warmer in East England today but elsewhere there will be some rain or drizzle with conditions improving generally to fair tomorrow with some showers, but a short period of rain is likely in the East and Southeast in the early morning.

FURTHER OUTLOOK

Fair in the Southeast, rather unsettled in the Northwest.

Gale warnings in operation in districts 13B and 16. Time of issue 0600h G.M.T. 15.8.42.

Forecasts issued at 10.30.

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

7h. Saturday 15th August 1942.

HIGH

STATION MODEL

High Cloud
Medium cloud
Total Amount of cloud
Temperature °F.
Wind
Present weather
Barometer mb.
Visibility
Bar. change in past 3 hours in mbs.
Dew Point °F
Weather in past hour
Low cloud
Past weather
Amount of Low cloud
Height of Low cloud

Scale 1:5,000,000.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Saturday 15th August,

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 1000

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Saturday 15th August 1942 — No. 29486

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	62	*	*	*	*	*	*	*	*	*
	Croydon ...	290	18·1	+2	SSW	2	bc	58	97	57	6	–	3	–	0	2-3	–
	S. Farnborough	226	18·2	+8	SW	3	c	60	92	57	7	5	2	–	7-8	9+	1200
	Boscombe Down	417	18·1	+6	SW'S	2	c	57	97	56	6	5	–	–	7-8	7-8	400
	Thorney Island	10	18·4	+2	SW	2	2o	61	92	59	6	5	–	–	4-6	4-6	1200
	Lympne ..	283	19·6	+6	SSW	1	2o	60	97	58	6	5	–	–	10	10	500
	Manston ...	154	18·7	+6	SW'S	1	id.	60	92	58	5	5	–	–	10	10	700
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	17·4	0	S'W	2	b	62	92	59	6	–	7	–	0	Tr	–
	Gorleston ...	5	17·8	+2	SW	3	2o	59	85	55	6	–	–	–	0	0	–
	Mildenhall ...	15	17·1	+2	SSE	2	2o	60	92	57	6	–	4	–	0	Tr	–
	Cranwell ...	203	15·9	+4	S'W	1	2o	57	92	55	6	5	–	–	2-3	2-3	4000
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·5	+14	SSW	3	2o	61	97	59	6	5	–	–	10	10	800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·1	–4	S	3	c	62	92	60	7	5	2	–	7-8	10	1500
	Bristol ...	209	17·4	+2	SSW	1	bc	57	97	56	7	5	–	6	1	2-3	2500
	Portland Bill ...	32	18·9	+10	SW	3	c	60	92	58	8	5	–	–	7-8	7-8	4000
	Plymouth ...	82	16·8	–2	S	3	id.	61	97	61	6	5	–	–	10	10	800
	The Lizard ...	240	16·1	0	SW	2	of	60	97	60	2	5	–	–	10	10	200
	Scilly (St. Mary's)	163	15·5	+4	SSW	2	o/d	59	97	59	6	5	–	–	10	10	800
	Guernsey ...	175															
6	Pembroke ...	142	15·2	0	S	4	qf	60	97	60	1	–	–	–	10	10	1150
7	Holyhead (Valley)	32	14·1	–2	S'W	3	id.	61	97	59	7	5	–	–	10	10	900
	Chester (Sealand)	16	14·2	–2	SSE	1	m	59	85	55	6	5	–	–	Tr	Tr	5000
8	Manchester ...	235	15·0	+2	SSW	3	2o	61	92	59	6	5	–	–	10	10	2500
10	Spurn Head ...	29	16·4	+8	S'W	2	b	57	97	57	7	–	–	–	0	0	–
	Catterick ...	175	15·4	+4	SE	1	m	54	97	53	4	5	–	–	1	1	4000
	Tynemouth ...	108	14·8	+4	W	2	2o	59	92	56	5	2	–	–	2-3	2-3	2500
11	St. Abbs Head	280	12·7	–4	SW	2	bc	59	85	53	7	5	–	–	4-6	4-6	4000
	Leuchars ...	36	12·8	0	W	1	2o	55	97	54	5	5	–	–	4-6	4-6	4000
12	Renfrew (Abbotsl.)	19	12·9	–2	–	0	2o	57	85	53	5	5	–	–	10	10	3500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	13·5	–2	S	3	c	58	97	56	8	5	2	*	7-8	10	3000
13A	Tiree	22	09·7	–12	S'E	3	bc	56	92	54	8	5	–	–	4-6	4-6	3500
13B	Stornoway ...	80	10·4	–8	–	0	c	55	92	53	7	5	7	–	4-6	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	10·6	–2	S	2	2o	55	92	*	*	6	8	8	6	Tr	9
	Wick ...	114	11·7	–2	–	0	F	51	97	51	1	–	–	6	0	4-6	–
16	Sumburgh ..	19	13·5	–6	S	3	2o	54	97	53	6	5	–	–	7-8	10	1000
17	Blacksod Point	18	06·8	–30	S	4	c/r	60	85	55	8	9	–	–	5+	9+	1500
18	Malin Head ...	84	09·1	–18	NW'N	1	c	58	85	53	8	8	–	–	10	10	2500
	Aldergrove ...	268	11·4	–8	S'E	2	c	59	85	55	8	5	1	–	9	10	2300
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	08·9	–26	SSE	4	r.r.	61	97	60	6	5	–	–	10	10	220
	Roches Point	22	12·0	–4	S'W	3	f	58	97	57	2	–	–	–	10	10	1150

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

Barom. at M.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)
18·2	+2	SW'S	2	bc	62	85	57	8	1	4	6	2-3	4-6	2500	0	*
17·9	–2	S	1	bc	62	85	57	7	1	4	2	Tr	4-6	2000	0	*
17·8	–4	SSW	3	c	60	92	58	8	5	3	1	2-3	7-8	1800	0	*
17·5	–2	S	4	0	61	92	59	7	5	–	–	10	10	800	1	*
18·1	–2	SSE	3	bc	63	92	60	8	5	–	–	7-8	7-8	2500	0	*
19·8	+2	–	0	c	60	92	59	7	5	–	–	9+	9+	1800	0	3
19·0	+6	SW'N	2	c	60	92	58	8	5	–	–	3	3	1800	1	*
18·8	+4	WSW	2	bc	61	85	57	7	5	2	–	4-6	7-8	1100	1	*
18·3	+2	SW'S	3	2o	61	85	58	6	5	–	–	9+	9+	2000	0	2
18·1	0	SSW	3	2o	60	92	58	6	5	–	–	10	10	1200	0	3
17·3	+2	SSW	2	c	62	85	58	7	5	–	–	10	10	1800	0	*
15·8	+4	SW'S	3	bc	61	85	57	7	5	7	5	4-6	7-8	1200	0	*
15·7	0	S	3	m	57	92	55	4	5	–	–	10	10	450	1	*
16·8	+2	S	2	2o	59	92	56	6	5	–	–	10	10	800	0	*
15·6	–4	S	3	0	60	97	59	6	5	–	–	10	10	800	1	*
13·9	+2	SSW	3	c/d	61	97	60	8	5	2	–	7-8	9+	1200	0	3
16·6	0	S	3	c	61	97	60	8	5	–	–	10	10	800	1	*
17·3	–2	SSW	3	0	60	92	58	7	5	–	–	10	10	2500	1	3
16·1	0	SSW	3	o/d	61	97	61	5	5	–	–	10	10	100	1	2
15·1	–2	SW	3	df	60	97	60	2	5	–	–	10	10	400	1	3
14·2	+2	SSW	4	F	62	97	62	1	–	–	–	10	10	1150	1	3
12·7	–4	S	4	rf	60	97	60	2	–	–	–	10	10	1150	1	3
11·5	–8	S	5	c	62	97	60	8	5	–	–	7-8	9+	500	1	4
13·1	–4	SE'S	3	c	61	85	56	6	5	7	8	7-8	9+	4000	0	*
13·7	–10	SSW	3	c	61	85	57	6	5	–	–	9+	9+	4000	1	*
15·7	0	SE	3	2o	60	97	58	6	5	2	–	7-8	10	1500	0	3
13·9	–6	SSE	2	cf	55	97	55	2	5	–	–	9+	10	800	0	*
13·3	–4	SW	2	m	58	92	56	4	5	–	–	9+	9+	2000	0	2
11·1	–12	SSE	2	c	57	85	53	7	5	4	–	4-6	7-8	4000	0	2
10·6	–10	E	1	c	58	92	55	7	5	7	–	9	10	5000	0	*
09·0	–14	SES	2	id.	61	85	57	6	5	2	–	4-6	10	3000	1	*
10·9	–10	S'E	3	dd	56	97	55	6	–	2	–	10	10	200	1	*
10·3	–10	SSW	4	dd.	60	97	60	6	5	7	–	7-8	9+	1500	1	4
04·8	–20	S'E	4	rr	58	85	57	6	–	2	–	10	10	500	1	5
05·2	–12	ESE	3	c	56	92	54	8	5	7	–	7-8	9+	2500	1	1
07·5	–18	SSE	4	c	54	85	49	7	5	1	–	7-8	10	1500	0	*
10·6	–10	SSW	3	c	55	92	53	6	5	4	6	Tr	7-8	800	1	3
08·8	–12	SE	2	c	55	97	55	8	–	7	6	0	7-8	–	1	*
10·5	–12	SE	4	2o	56	97	55	6	5	3	–	7-8	9+	300	0	4
03·8	–2	S	4	dd.	60	97	59	6	–	1	–	10	10	800	1	3
03·6	–20	S'W	3	rr	60	92	58	7	6	2	–	4-6	10	1500	1	3
07·5	–14	SSW	3	c	60	92	57	8	5	7	–	9+	10	1000	1	*
06·7	–14	S	2	ir	61	97	60	7	6	2	–	7-8	10	800	1	*
07·9	+6	SW	4	dd	62	97	61	6	5	–	–	10	10	220	1	4
08·7	–6	S'W	3	dr	59	97	58	5	5	–	–	10	10	220	1	4

PAST 24 HOURS.

State of Ground. 0–9 (31)	Sea. 0–9 (32)	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine Hrs. (38)
*	*	71	59	52	–	Tr	4·2
0	*	73	57	56	–	–	5·1
0	*	76	57	50	0·3	Tr	3·4
1	*	66	54	56	Tr	1	0·3
0	*	66	60	56	–	Tr	*
0	3	68	57		–	–	5·1
1	*	71	56	54	Tr	Tr	4·1
1	*	70	59	55	–	–	6·4
0	2	70	59	55	Tr	–	7·1
0	3	65	57	52		–	2·1
0	*	74	56	50	–	–	6·8
0	*	*	55	47	–	–	6·2
1	*	71	56	53	Tr	–	5·5
0	*	71	56	54	Tr	0·1	*
1	*	70	57	53	0·6	–	0·8
0	3	63	60	58	0·3	Tr	1·8
1	*	67	54	47	4	2	0·7
1	3	61	58	*	1	–	*
1	2	64	59	58	1	2	1·6
1	3	65	58	*	4	1	3·3
1	3	66	59	*	Tr	0·2	
1	3	63	56	*	Tr	Tr	5·0
1	4	65	59	57	0·3	0·2	*
0	*	74	58	49	–	–	7·9
1	*	71	59	56	–	Tr	*
0	3	65	58	*	–	–	9·0
0	*	72	49	44	–	–	5·4
0	2	64	56		–	–	*
0	2	67	50	*	Tr	5	1·7
0	*	68	51	43	–	–	3·2
1	*	69	56	48	–	Tr	8·1
1	*	67	51	45	Tr	2	5·2
1	4	63	56	*	–	0·5	2·9
1	5	60	56	*	–	2	1·7
1	1	61	54	*	–	–	4·7
0	*	66	49	40	–	Tr	6·6
1	3	65	49	41	–	–	6·3
1	*	60	50		Tr	Tr	
0	4	68	53	53	–	–	0·5
1	*	67	59	58	–	2	0·4
1	4	67	58	58	–	6	3·8
1	4	62	58	*	0·2	4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 14th August — 18h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
109	86	02885	13327	8-	02885	00025
115	52	81844	20227	52	02844	20287
203				54	01943	16224
206	83	25965	08386	88	01963	06284
210	86	02964	06326	86	01864	06225
220	53	02944	19316	87	02945	82287
230	82	02955	18326	7-	01955	18113
245	6-	02768	17328	4-	01763	18213
260						
278	87	02945	14225	54	02822	14324
279	83	05644	20325	43	02864	22215
285	23	02745	22326	23	01754	24314
288	17	02754	18225	5-	01756	14215
575	7-	02358	22128	5-	02967	18127
301				20	00762	30213
321	83	02764	18345	40	00763	17213
299	57	05564	18214	7-	01764	20214
292	83	01763	16144	13	05663	12114
310	--	01644	20314			
614				23	05665	18127

01h. G.M.T. 15th August — 07h. G.M.T.

C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
5-	08428	11128	57	02754	15246
52	02844	20227	52	02844	16227
5-	02848	16228	5-	02948	12328
50	04761	00011	5-	02767	00017
00	05690	02010	07	02830	08226
			62	66416	15568
5-	02858	24128	5-	51748	12128
5-	05674	00014	57	02861	10958
03	02750	20216	57	02754	12115
5-	51638	14128	5-	02738	47358
51	05565	00028	5-	02836	15257
			5-	05628	14268
01	05620	00004	07	05590	15247
52	51756	18158	62	52735	16358
5-	21658	10158	57	21755	14357
00	05690	14210	50	05643	14344
5-	08473	00013	5-	03648	22228
00	00790	18200	53	43363	13145
			--	01635	20315
03	05590	20105	5-	05546	18226

13h. G.M.T. 14th August — 18h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
338	24	02845	18326	5-	52628	14258
334	--	02764	24214			
340	8-	01865	17315	20	01864	15214
336	8-	81757	22127	20	01763	20123
326	51	02755	16328	24	01754	16315
350	23	02854	22325	86	01853	12121
368	57	21744	12128	67	21754	23257
379	53	02857	20228	83	02745	18326
390	23	05664	18225	40	01764	18324
382	77	02864	17324	87	02964	16325
438	57	02635	20327			
430	53	02846	18257	5-	51528	18158
409	5-	02833	21357	77	02834	21355

01h. G.M.T. 15th August — 07h. G.M.T.

C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
5-	52738	17358	5-	21637	17357
			--	03735	20128
50	00773	16213	5-	05567	14217
03	05630	18202	5-	21635	18358
			--	57309	16359
5-	03628	18228	53	05665	14226
51	02755	08226	5-	02747	16257
50	05651	24461	5-	02728	18448
54	05645	00028	54	05645	22226
57	02755	20257	52	02933	12328
5-	02755	22225	57	02724	22326
50	05638	00018	50	05673	14124
5-	05628	17228	5-	54515	16358

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 15th August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	em c	bcc	c bc w	Kew 24 hours ended 7h. Max. Time 15·1 Whole Min. Time Period
Croydon ...	cbc	b ic	c	
Greenwich ...	cbay	cbbay	cbc	
Camden Square	c	c	*	
Kensington ...	bzbc	bc	*	
Hampstead ...	bc	bcp	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 %	Humidity 9h % (To-day)
Kew ...	71	59	52	–	Tr	4·2	*	*
Croydon ...	73	57	56	–	–	5·1	*	*
Greenwich ...	74	59	54	–	–	4·8	57	67
Westminster ...	72	60	57		T		67	75
Regents Park ...	73	59	56	–	–		53	69
Camden Square	74	59	54	–	–	*	*	77
Kensington ...	74	59	55	–	–		72	76
Hampstead ...	71	57	54	–	Tr		*	81

SECRET

Page 1 BRITISH SECTION

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

Sunday 16th August 1942

No. 29487

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	17·7	-4	SSW	4	c/d	67	75	59	8	5	-	-	9+	9+	2500
	Croydon	18·1	-2	SSW	4	c	69	75	60	8	4	7	-	9	9+	3000
	S. Farnborough	17·9	0	SSW	3	id.	69	75	62	6	5	7	-	7-8	9+	1800
	Boscombe Down	17·4	0	SSW	5	d.d.	65	92	62	6	5	-	-	10	10	600
	Thorney Island	18·7	0	SSW	4	c	65	92	62	7	5	-	-	10	10	800
	Lympne	20·1	-4	S	3	bc	69	75	59	8	1	-	1	4-6	4-6	2200
	Manston	19·0	-4	SSW	4	bc	71	65	57	8	2	-	1	7-8	7-8	3000
2	Shoeburyness	18·7	-34	SW'S	3	c	70	75	71	8	5	-	-	9+	9+	2200
	Felixstowe	18·3	-6	S'E	4	c	71	75	60	7	7	7	1	7-8	7-8	3500
	Gorleston	17·7	-4	S	5	bc	65	85	58	7	1	-	1	2-3	4-6	1100
	Mildenhall	16·8	-6	SSW	4	c	71	65	58	8	7	-	-	2-3	9+	4000
	Cranwell	14·3	-16	SSW	5	c	71	75	61	8	7	3	2	7-8	7-8	2000
3	[illegible]ingham	14·2	-10	S	3	r.r.	64	92	62	8	6	-	-	10	10	1500
	Upper Heyford	16·1	-6	S	4	c/d	67	85	61	8	5	-	-	10	10	1000
4	Ross-on-Wye	14·4	-10	S	3	pr	66	92	64	7	6	-	-	10	10	1500
5	Hartland Point	14·1	+6	SW	4	DD	63	97	63	5	5	-	-	10	10	300
	Bristol	16·0	-4	S	4	id.	66	92	64	8	5	-	-	10	10	800
	Portland Bill	17·3	-2	S	3	rf	60	92	58	3	5	-	-	10	10	<150
	Plymouth	16·5	+2	SSW	4	df	61	97	61	5	5	-	-	10	10	<150
	The Lizard	15·6	+2	SSW	2	df	62	97	62	2	5	-	-	10	10	400
	Scilly (St. Mary's)	15·3	+6	SW'S	4	df	64	97	64	2	-	-	-	10	10	<150
	Guernsey															
6	Pembroke	13·1	+6	SW	6	f+	62	97	62	2	-	-	-	10	10	<150
7	Holyhead (Valley)	09·9	-2	S'W	6	c/d	61	97	61	3	5	-	-	10	10	100
	Chester (Sealand)	11·0	-14	SSE	3	c	67	85	61	6	5	2	-	7-8	10	1800
8	Manchester	11·9	-14	S'E	4	c/r	65	85	60	6	5	-	-	7-8	10	2500
10	Spurn Head	14·9	-10	SSW	5	cq	69	75	60	7	7	3	-	4-6	9	2500
	Catterick	11·7	-12	SSW	3	ir.	69	75	59	6	8	1	-	7-8	10	2000
	Tynemouth	11·0	-12	SSW	5	c	70	75	62	6	2	-	-	9	9	2400
11	St. Abbs Head	07·7	-14	S	4	rr	67	75	59	7	5	4	-	7-8	10	3000
	Leuchars	06·8	-22	SSW	3	r.r.	64	97	62	7	5	7	-	9	10	1400
12	Renfrew (Abbots I.)	06·0	-14	S'W	4	rv	63	92	60	5	5	2	-	4-6	10	800
	Eskdalemuir	07·8	-22	S	4	rr	60	97	59	5	-	2	-	10	10	200
	Point of Ayre	07·6	-16	SW	5	c	65	92	62	7	8	2	-	9	10	2500
13A	[illegible]e	02·5	-4	SSW	4	rr	59	97	59	5	-	2	-	10	10	200
13B	[illegible]ornoway	99·9	-24	S	6	rr	57	97	57	6	5	2	-	9	10	1000
15	Dalwhinnie	04·2	-18	SSE	3	rr	60	92	58	6	5	2	-	4-6	10	1500
	Aberdeen	07·3	-14	S	3	z.	60	85	55	6	5	6	-	9	10	2000
	Wick	04·5	-28	S	4	rr	57	97	56	6	-	2	-	10	10	1500
16	Sumburgh	06·8	24	SE	3	c	57	85	53	7	5	2	-	4-6	10	2500
17	Blacksod Point	06·1	+16	SSW	3	c/r	61	92	59	6	5	-	-	10	10	1500
18	Malin Head	04·0	+8	SW'S	3	ir	62	92	60	7	6	2	-	7-8	10	800
	Aldergrove	05·6	-8	SW	3	id.	65	85	60	8	5	-	-	10	10	800
19	Birr Castle	08·2	+14	WSW	4	c	68	75	60	8	8	-	-	7-8	7-8	1500
20	Valentia Obey.	11·1	+10	SW'S	5	c	65	85	60	8	8	1	-	4-6	10	2500
	Roches Point	11·0	+10	SW'W	3	c	64	85	59	8	5	3	-	4-6	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °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. 15th (39)	Weather 13h.–18h. 15th (40)	Weather 18h. 15th to 1h. 16th (41)	Weather 1h.–7h. 16th (42)
London (Kew)	17·0	-6	SW'W	3	d.d.	64	92	62	6	5	2	-	7-8	10	1500	2	•	cpd.c	crd.	r.r.r.ir.	rRrr.c
Croydon	17·6	-2	SSW	4	d.d.	64	97	63	6	5	2	-	9	10	500	0	•	becbc	cid.	cid.m.	cid.m.cr.r.
S. Farnborough	16·8	-6	SW	4	ir.	64	92	62	5	5	2	-	9+	10	800	1	•	cid.	cd.ir.	cir.id.c	cr.rr.
Boscombe Down	16·8	-2	SSW	4	d.d.	63	97	62	7	5	-	-	10	10	500	1	•	cddd.	cddd.d.m.	cid.m.	cr.r.m.
Thorney Island	18·2	-2	SW'S	4	id.	64	92	62	6	5	-	-	10	10	450	1	•	bcm.c	cid.m.c	id.d.d.c	ccrrr.
Lympne	19·7	-2	SSW	3	c	65	85	59	8	5	-	-	9	9	1000	0	3	c	bc	ccid.o	pm.f.cr.
Manston	18·4	-6	SSW	3	c	67	75	59	8	5	9	1	7-8	9+	1000	0	•	c	bc	cd.d.cm.	cirm.c
Shoeburyness	18·2	-2	SSW	3	c	68	85	62	8	5	3	-	7-8	9+	1400	0	•	bcc	cbcc	cr.r.c	or.r.m.
Felixstowe	16·2	-18	SSW	5	c	70	75	60	7	5	7	-	7-8	9+	2500	0	2	cm.bcc	cbc	c	cdm.cr.m.
Gorleston	16·5	-12	SSW	4	e	67	75	58	7	5	4	-	4-6	9	1100	0	3	bcc	bcc	or.ir.cz	cr.or.
Mildenhall	15·4	-6	S'W	4	c/r	68	75	61	8	5	-	-	10	10	1500	0	•	cbcyc	ccir.c	r.r. crrm.	obcir.cr.r.m
Cranwell	13·1	-2	SE'S	1	c	68	85	62	8	5	-	-	9+	9+	1500	0	•	c	cir.c	cbcc	bbc
[illegible]ingham	13·9	-2	S	3	d.d.	65	97	64	8	6	-	-	10	10	800	1	•	odr.r.	or.d.	od.c	cbc
Upper Heyford	15·4	-2	S'W	4	c/d	65	92	63	8	5	-	-	10	10	500	1	•	cm.cid.	cid.c	ccir.m.	cm.rrm.
Ross-on-Wye	14·2	-4	SW	4	c	66	92	64	8	5	7	-	9	10	1500	1	•	od.cd	cd.cc	c	cbc
Hartland Point	14·8	+6	WSW	4	c/pr	61	97	61	7	5	4	-	7-8	9+	1000	1	4	crrodd	dfFcp	circ	cbc
Bristol	15·8	+2	S'W	3	id.	66	97	64	6	5	2	-	7-8	10	800	1	•	cd.d.	cir.id.	cqd.r.r.ir.bc	cirbc
Portland Bill	16·9	-2	SW	4	o	59	85	54	7	5	-	-	10	10	2500	1	4	orf	orro	o	orrc
Plymouth	16·9	+4	WSW	3	df	61	97	61	2	-	-	-	10	10	<150	1	3	oddf	oddid	cm.cir	crrm.bctv
The Lizard	16·9	+6	W'S	3	df	61	97	60	2	5	-	-	10	10	300	1	3	odfc	orfdf	odfrr	rrcbc
Scilly (St. Mary's)	16·3	+2	SW'S	3	c	62	97	61	6	5	7	-	4-6	9+	1200	1	3	odfdf	ordrdc	cir	cbc
Guernsey																					
Pembroke	14·5	+8	SW'W	4	c	61	97	60	6	8	6	-	7-8	9+	2500	2	3	idff	cm.	cbc	bcb
Holyhead (Valley)	10·9	+10	SSW	6	z.	60	97	59	6	5	-	-	10	10	400	1	3	od.d.m.	om.f	cm.c	bcbw
Chester (Sealand)	10·9	+2	SW'S	4	c	68	75	60	8	5	7	-	2-3	9+	2000	0	•	cm.bcc	cm.pr.c	cb	bbc
Manchester	11·5	+2	S'	4	c	67	85	63	7	5	7	-	7-8	9+	1500	0	•	cir.m.	prm.	bcbm.	bcm.
Spurn Head	13·0	-6	S	5	pr	65	85	56	7	7	2	-	4-6	10	2500	0	3	cq	cpr.	bc	c
Catterick	09·8	-10	SSW	3	c/r	67	85	63	6	5	7	-	7-8	10	1500	1	•	cFcz.cir.	cir.m.	bc	m.pr.bc
Tynemouth	09·2	-8	SSW	4	c/r	61	92	59	6	-	2	-	10	10	2400	1	2	cmcbcc	coir	ocb	bbc
St. Abbs Head	05·0	-10	SW	4	c	66	75	59	7	5	-	-	7-8	7-8	3000	0	3	crr	corrd.	cbc	bcb
Leuchars	04·4	-2	SW	4	d.d.	64	97	63	7	6	7	-	7-8	9+	900	1	•	ccir	cr.r.rrd.d.	cd.d.cbc	bcbbc
Renfrew (Abbots I.)	06·0	+6	SW'S	2	z.	63	92	60	6	5	-	1	4-6	9+	1200	1	•	ir.crr	rrr.r.m.	m.cpr.l	bccbc
Eskdalemuir	07·1	+2	SW'S	4	rF	59	97	59	1	-	-	-	10	10	<150	1	•	d.r.r	rrr.F	aFr.m.	cm.bc
Point of Ayre	08·4	+4	W'S	4	c	67	75	59	8	4	4	6	2-3	9	4500	1	4	rrc	cprc	cbbcc	cbcb
[illegible]e	03·9	+8	SW'W	5	c/d	59	97	57	6	5	-	-	10	10	800	1	5	odrr	odrc	oid.m.ir.cpr	cbc
[illegible]ornoway	99·2	+2	SSW	5	c/pr	58	97	57	7	6	7	-	7-8	10	1000	1	4	crr	crrd	cpr	cprbc
Dalwhinnie	03·0	-18	SSE	3	c	58	92	55	7	5	-	2	7-8	9+	2500	1	•	orr	owc		cir
Aberdeen	04·5	-16	S'W	4	z.	59	92	58	6	5	2	-	7-8	10	1000	1	2	cpr.cm.	cr.r.m.	cbcb	b
Wick	01·5	-12	S'W	3	c	58	92	56	6	5	7	-	7-8	9+	2000	1	•	cr.rrm.	crrm.c	bcc	cir.bc
Sumburgh	02·8	-30	SSE	5	rr	56	97	55	5	6	2	-	9+	10	300	1	4	cm.c	cir.rr	cr.r.bcm.	cm.pr.c
Blacksod Point	08·8	+20	W	4	pr	58	92		8	9	5	-	7-8	9	1500	1	4	r	pr	bc	bc
Malin Head	05·4	+6	W	4	c/r	61	85	56	8	6	2	-	4-6	9	1500	1	3	r	r	r	pr
Aldergrove	07·2	+10	SW'S	3	c	64	85	59	8	5	7	-	7-8	9+	2000	1	•	cid.	cid.cpr.c	cprc	cbcbc
Birr Castle	09·4	+2	WSW	3	c	65	75	57	8	8	7	-	7-8	9	1500	1	•	r	c		c
Valentia Obey.	13·4	+20	W'S	4	pr	59	92		8	8	-	-	9+	9+	1500	1	5	d	pr		pr
Roches Point	12·7	+12	SW'W	3	bc	63	85	58	8	5	-	5	4-6	4-6	1500	1	4	d	pr	pr	pr b

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light to moderate West wind; fine, becoming cloudy towards noon to-morrow: 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	Moderate westerly winds, backing and freshening; fine to-day, becoming cloudy later to-night with some rain or drizzle in all areas by noon: rather warm.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate westerly winds in the South, fresh to strong in the North; winds backing generally and possibly increasing to gale force in the North later. Mainly fine but with some showers in the West; rain reaching western areas to-night and spreading quickly East. Average temperature in West, rather warm in East.
16 Orkneys and Shetlands 17 N.W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 11–15.

GENERAL INFERENCE

Pressure is low over Iceland and high from the Azores to the Bay of Biscay. A depression southwest of Iceland is moving quickly east-northeast. It will be fair at first with some scattered showers in the Northwest, but rain will reach our Western coasts to-night and spread eastwards fairly quickly.

FURTHER OUTLOOK

Continuing unsettled.

Forecasts issued at 1030.

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

7h. Sunday 16th August 1942.

LOW

HIGH

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Weather in past hour

Past weather

Amount of Low cloud

Height of Low cloud

Scale 1 : 5,000,000.

Mb

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Sunday 16th August

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Sunday 16th August 1942 — No. 29487

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	64	*	*	*	*	*	*	*	*	*
	Croydon ...	290	18·2	+2	S	3	id.	62	97	62	6	6	-	-	10	10	600
	S. Farnborough	226	18·2	0	WSW	2	z.	63	97	61	5	5	-	-	10	10	900
	Boscombe Down	417	18·3	+2	SW'W	3	d.d.	61	97	61	5	5	-	-	10	10	600
	Thorney Island	10	19·0	+4	SW'W	3	c/d	63	97	63	6	5	-	-	10	10	400
	Lympne ..	283	20·2	0	SW	2	c	63	97	62	7	5	-	-	10	10	900
	Manston ...	154	18·8	+2	SW	3	z.	65	92	62	6	5	-	-	10	10	4800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	18·0	+4	SW	3	c	65	92	63	6	5	-	-	10	10	1500
	Gorleston ...	5	17·4	+10	WSW	3	z.	65	92	63	6	5	-	-	10	10	800
	Mildenhall ...	15	17·0	+6	SW'S	4	rr	64	92	62	6	5	2	-	10	10	1400
	Cranwell ...	203	15·3	+12	WSW	3	bc	63	85	58	7	5	-	-	7-8	7-8	2000
3	Birmingham ...	538	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·3	+10	SW	3	c/r	61	97	59	6	-	2	-	0	10	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·8	+8	SW	4	c	61	97	61	7	5	2	-	7-8	10	800
	Bristol ...	209	18·5	+6	SW'W	1	c/r	62	97	60	7	6	1	-	2-3	4-6	1600
	Portland Bill ...	32	18·4	+2	SW	4	o	59	92	57	7	5	-	-	10	10	2500
	Plymouth ...	82	19·2	+6	WSW	1	rr	61	97	61	5	5	-	-	10	10	800
	The Lizard ...	240	19·5	+6	NW'W	2	rr	59	97	59	5	5	-	-	10	10	800
	Scilly (St. Mary's)	163	19·3	+8	W'N	3	c/r	60	98	59	6	5	2	-	4-6	10	1200
	Guernsey ...	175															
6	Pembroke ...	142	17·3	+8	W'S	5	bc	59	85	55	7	8	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	15·4	+24	WSW	5	bc	59	92	57	7	5	-	-	2-3	2-3	3000
	Chester (Sealand)	16	14·5	+16	SW	3	b	62	95	55	8	5	-	-	2-3	2-3	3500
8	Manchester ...	235	14·6	+10	S'W	3	z.	59	85	55	6	5	-	-	Tr	Tr	4000
10	Spurn Head ...	29	14·6	+4	SW	4	bc	64	65	51	7	2	6	-	2-3	4-6	2500
	Catterick ...	175	13·0	+12	ESE	3	z.	62	85	58	6	5	-	-	4-6	4-6	3000
	Tynemouth ...	108	11·9	+8	S	3	b	61	92	59	6	-	-	-	0	0	-
11	St. Abbs Head	280	09·0	+14	SW	2	bc	58	92	56	7	5	-	-	2-3	2-3	2500
	Leuchars ...	36	07·4	+10	SW'S	4	bc	60	92	58	7	5	-	-	4-6	4-6	3000
12	Renfrew (Abbotsl.)	19	10·3	+28	WSW	3	bc	56	85	52	7	8	-	-	4-6	4-6	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	12·5	+20	W	4	c	59	92	56	8	8	-	-	9	9	4500
13A	Tiree	22	10·0	+24	W'N	3	c	55	85	51	8	5	-	-	7-8	7-8	2500
13B	Stornoway ...	80	05·0	+28	SW	4	c	54	92	51	7	5	7	-	4-6	9	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	06·5	+18	SW	3	bc	57	92	54	8	5	-	-	4-6	4-6	3000
	Wick ...	114	04·0	+18	SW	1	rr	56	97	54	8	5	-	-	7-8	7-8	2500
16	Sumburgh ..	19	02·0	+8	WSW	5	z.	55	92		6	5	-	-	9	9	1000
17	Blacksod Point	18	15·8	+22	W'N	4	bc	54	85	50	8	9	-	-	2-3	2-3	2500
18	Malin Head ...	84	11·9	+30	NNW	5	c	55	75	48	8	6	-	-	7-8	7-8	1500
	Aldergrove ...	268	13·6	+34	WSW	3	c	55	85	50	8	8	-	-	9	9+	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	19·6	+18	NNW	3	b	56	85	52	8	5	-	-	1	1	2500
	Roches Point	22	19·0	+26	W'N	4	b	56	85	52	8	5	-	-	Tr	Tr	2500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	20·0	+16	WSW	1	c/r	62	97	61	7	5	7	-	7-8	10	1500	1	*
	Croydon ...	19·7	+14	W	2	rr	61	97	61	6	5	7	-	2-3	9+	700	1	*
	S. Farnborough	19·6	+12	WSW	2	r.r.	61	97	61	7	5	2	-	7-8	10	800	1	*
	Boscombe Down	18·9	+12	W	2	r.r.	60	97	59	5	6	7	-	7-8	9+	800	1	*
	Thorney Island	20·0	+10	SW	2	r.r.	62	97	62	6	5	-	-	10	10	450	1	*
	Lympne ..	20·4	+2	SW	1	rr.	63	97	63	5	5	2	-	9+	10	500	1	3
	Manston ...	19·7	+10	WSW	2	c	64	97	63	7	5	2	-	7-8	10	1000	1	*
2	Shoeburyness ...	19·6	+16	W	3	r.r.	62	92	61	6	5	-	-	10	10	1100	1	*
	Felixstowe ...	19·7	+6	W	3	r.r.	62	92	61	5	5	-	-	10	10	1200	1	2
	Gorleston ...	18·6	+12	WSW	2	r.r.	64	85	61	6	5	-	-	10	10	800	1	2
	Mildenhall ...	18·5	+14	SW	2	r.r.	61	97	60	6	5	7	-	9	10	3500	1	*
	Cranwell ...	17·0	+12	WSW	3	c	59	85	54	8	5	7	9	1	9	3000	0	*
3	Birmingham ...	19·2	+16	WSW	2	bc	57	85	52	8	4	-	6	1	4-6	1500	1	*
	Upper Heyford	19·2	+18	SW	1	c/r	60	92	59	6	5	3	5	2-3	7-8	4000	1	*
4	Ross-on-Wye	19·3	+20	-	0	b	58	85	54	8	1	-	1	Tr	1	3000	0	*
5	Hartland Point	21·1	+22	NNW	3	bc	58	85	53	8	1	4	-	1	2-3	2500	1	4
	Bristol ...	20·6	+18	WSW	2	bc	59	97	58	7	-	3	2	0	4-6	-	1	*
	Portland Bill ...	20·3	+12	W	3	c/r	58	92	56	7	5	-	-	10	10	2500	1	4
	Plymouth ...	21·0	+18	NW	1	bc	59	97	58	8	5	-	6	1	4-6	2000	1	2
	The Lizard ...	21·6	+14	N	3	bc	56	97	56	8	8	6	-	4-6	4-6	2000	1	3
	Scilly (St. Mary's)	22·3	+20	NW	3	bc	56	92	54	8	8	4	-	2-3	4-6	1200	1	3
	Guernsey ...																	
6	Pembroke ...	21·6	+22	NW	4	b	59	85	51	8	1	2	-	1	1	3000	0	3
7	Holyhead (Valley)	19·7	+26	W'N	4	b	56	85	50	8	2	4	1	Tr	1	2500	1	3
	Chester (Sealand)	18·6	+24	WNW	3	bc	59	75	52	8	8	4	-	4-6	4-6	2500	0	*
8	Manchester ...	18·0	+22	SW	2	c	57	92	54	6	2	-	-	9	9	2500	0	*
10	Spurn Head ...	16·7	+18	W'S	4	c	60	85	56	7	5	7	1	2-3	7-8	4000	0	3
	Catterick ...	17·0	+26	WSW	2	bc	59	85	55	9	2	3	-	4-6	7-8	2000	1	*
	Tynemouth ...	15·4	+20	W	3	bc	58	85	53	7	2	3	-	2-3	4-6	2800	1	2
11	St. Abbs Head	12·9	+30	W	4	bc	55	75	47	8	5	4	-	2-3	2-3	2000	0	3
	Leuchars ...	13·3	+34	SW	1	bc	54	92	51	8	4	4	8	Tr	2-3	4000	1	*
12	Renfrew (Abbotsl.)	14·5	+20	W	4	bc	54	85	49	8	8	4	-	4-6	4-6	2500	1	*
	Eskdalemuir ...	15·7	+24	W	2	bc	52	85	47	8	5	4	-	4-6	4-6	2500	1	*
	Point of Ayre ...	17·1	+28	WNW	4	b	56	85	50	8	4	-	-	Tr	Tr	2000	0	4
13A	Tiree	13·3	+16	W	4	bc	54	75	48	8	8	-	5	2-3	2-3	2800	0	4
13B	Stornoway ...	08·8	+16	SW	5	bc	55	75	48	8	2	4	-	1	2-3	3500	1	3
15	Dalwhinnie ...	13·0	+18	WSW	3	c	49	75	42	7	5	7	-	7-8	9+	2500	1	*
	Aberdeen † ...	12·2	+28	WSW	2	b	56	75	48	8	5	-	-	Tr	Tr	3500	1	2
	Wick ...	09·4	+28	SW	3	c	53	85	50	9	8	7	-	4-6	7-8	2500	1	*
16	Sumburgh ..	05·9	+14	SW'W	5	c	54	85	50	8	8	4	-	7-8	7-8	4000	1	4
17	Blacksod Point	18·0	+14	WSW	4	bc	56	75	49	8	8	-	4	4-6	7-8	2500	1	3
18	Malin Head ...	15·2	+18	SW'W	5	bc/pr	54	85	49	8	8	2	-	4-6	4-6	2500	1	2
	Aldergrove ...	17·8	+22	SSW	1	c	52	85	49	8	5	4	8	2-3	7-8	1200	1	*
19	Birr Castle ...	20·1	+22	SSW	1	c	52	92	50	8	5	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.	21·6	+14	WSW	2	c/pr	56	92	54	8	2	7	4	1	9+	1500	1	3
	Roches Point	21·9	+18	NNW	3	bc	53	85	48	8	5	-	5	Tr	2-3	2500	1	3

PAST 24 HOURS.

District	Stations	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 15·1 Hrs. (38)
1	London (Kew)	*	*	*	*	*	*	*	*	69	61	61	0·2	12	3·9
	Croydon ...	5	6	-	2-3	9+	700	1	*	72	60	58	0·1	6	4·2
	S. Farnborough	5	2	-	7-8	10	800	1	*	70	61	60	Tr	12	2·5
	Boscombe Down	6	7	-	7-8	9+	800	1	*	65	59	58	1	3	0·0
	Thorney Island	5	-	-	10	10	450	1	*	67	61	61	0·3	7	*
	Lympne ..	5	2	-	9+	10	500	1	3	70	61	+	-	0·4	6·7
	Manston ...	5	2	-	7-8	10	1000	1	*	73	63	62	-	0·4	6·6
2	Shoeburyness ...	5	-	-	10	10	1100	1	*	74	62	63	-	1	3·9
	Felixstowe ...	5	-	-	10	10	1200	1	2	72	66	61	-	1	7·2
	Gorleston ...	5	-	-	10	10	800	1	2	70	64	52	-	1	6·8
	Mildenhall ...	5	7	-	9	10	3500	1	*	75	61	59	Tr	3	6·3
	Cranwell ...	5	7	9	1	9	3000	0	*	*	59	57	Tr	-	4·6
3	Birmingham ...	4	-	6	1	4-6	1500	1	*	66	56	51	0·5	0·1	
	Upper Heyford	5	3	5	2-3	7-8	4000	1	*	69	59	58	0·1	1	*
4	Ross-on-Wye	1	-	1	Tr	1	3000	0	*	68	56	51	Tr	-	0·2
5	Hartland Point	1	4	-	1	2-3	2500	1	4	64	57	55	4	0·1	0·0
	Bristol ...	-	3	2	0	4-6	-	1	*	67	58	55	1	3	0·7
	Portland Bill ...	-	-	-	10	10	2500	1	4	61	61	*	1	10	*
	Plymouth ...	-	-	6	1	4-6	2000	1	2	63	58	55	7	4	0·0
	The Lizard ...	6	-	-	4-6	4-6	2000	1	3	62	55	*	2	10	0·0
	Scilly (St. Mary's)	4	-	-	2-3	4-6	1200	1	3	64	55	*	3	2	0·0
	Guernsey ...														
6	Pembroke ...	2	-	-	1	1	3000	0	3	63	*	*	1	-	0·5
7	Holyhead (Valley)	4	1	-	Tr	1	2500	1	3	63	54	49	2	-	*
	Chester (Sealand)	4	-	-	4-6	4-6	2500	0	*	73	57	52	Tr	-	1·3
8	Manchester ...	2	-	-	9	9	2500	0	*	67	56	52	Tr	-	*
10	Spurn Head ...	5	7	1	2-3	7-8	4000	0	3	71	59	*	Tr	Tr	5·1
	Catterick ...	2	3	-	4-6	7-8	2000	1	*	70	58	*	5	Tr	2·0
	Tynemouth ...	2	3	-	2-3	4-6	2800	1	2	71	57	*	4	-	*
11	St. Abbs Head	5	4	-	2-3	2-3	2000	0	3	70	54	*	1	-	
	Leuchars ...	4	4	8	Tr	2-3	4000	1	*	68	51	45	2	Tr	0·5
12	Renfrew (Abbotsl.)	8	4	-	4-6	4-6	2500	1	*	65	52	46	4	0·5	0·0
	Eskdalemuir ...	5	4	-	4-6	4-6	2500	1	*	63	51	49	12	0·2	0·0
	Point of Ayre ...	4	-	-	Tr	Tr	2000	0	4	70	54	*	4	-	
13A	Tiree	8	-	5	2-3	2-3	2800	0	4	61	52	*	11	2	0·0
13B	Stornoway ...	2	4	-	1	2-3	3500	1	3	59	51	*	5	1	0·0
15	Dalwhinnie ...	5	7	-	7-8	9+	2500	1	*	61	47	43	9	2	0·3
	Aberdeen † ...	5	-	-	Tr	Tr	3500	1	2	60	54	49	1	-	1·1
	Wick ...	8	7	-	4-6	7-8	2500	1	*	58	49	45	9	0·5	*
16	Sumburgh ..	8	4	-	7-8	7-8	4000	1	4	58	53	51	12	10	0·0
17	Blacksod Point	8	-	4	4-6	7-8	2500	1	3	62	52	*	1	1	*
18	Malin Head ...	8	2	-	4-6	4-6	2500	1	2	63	52		2	2	0·2
	Aldergrove ...	5	4	8	2-3	7-8	1200	1	*	70	50	45	4	6	2·2
19	Birr Castle ...	5	-	-	7-8	7-8	2500	1	*	69	47	45	0·4	1	3·3
20	Valentia Obsy.	2	7	4	1	9+	1500	1	3	66	55	49	0·3	0·1	3·3
	Roches Point	5	-	5	Tr	2-3	2500	1	3	65	53	*	0·2	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 15th Aug. C_L C_M	ww VhN_h	DDFWN	18h. G.M.T. C_L C_M	ww VhN_h	DDFWN	01h. G.M.T. 16th Aug. C_L C_M	ww VhN_h	DDFWN	07h. G.M.T. C_L C_M	ww VhN_h	DDFWN
100	62	64645	45568	62	66417	48568	5-	02786	56566	83	25854	55584
115				52	62734	16567	52	62735	20468	87	18844	57586
203				6-	03838	16568	6-	22838	16528	70	01944	16524
206	52	62766	00068	57	22865	18367	57	02864	53486	50	01864	55314
210	52	02754	12468	57	21853	33457	83	22754	22465	40	00853	20483
220	52	21625	17458	52	03626	21518				50	25854	25484
230	52	62846	14268	52	02747	18328	5-	02746	20266	83	01853	20424
245	57	61665	16468	5-	02737	16267	50	00762	20312	50	00862	22312
260	62	64654	20328	52	02844	24468	2-	81646	20486	54	01863	20484
278	5-	02708	18328	8-	02846	19327	5-	02747	26367	84	00851	24312
279	5-	62548	16468	57	05645	51666	5-	02847	51527	80	01853	22384
285	62	63623	20368	02	63528	20468						
288	51	05665	49528	57	05637	48567	07	01790	18412	54	01863	22444
575	8-	02857	20437	2-	02846	22327	80	01855	26585	36	10853	24414
301	02	62668	15568	57	02855	18488	50	00753	55503	73	02866	27427
321	73	02755	17526	52	21644	19368	03	05690	18321	13	02753	20205
299	5-	02756	18316	5-	51748	20428	50	05635	28415	44	01753	24314
292	57	02765	16426	57	16368	10366	50	01752	18323	80	01852	22314
310												
614	72	05647	18327	53	05635	20267	5-	05554	22214	57	05663	22125

III	13h. G.M.T. 15th Aug. C_L C_M	ww VhN_h	DDFWN	18h. G.M.T. C_L C_M	ww VhN_h	DDFWN	01h. G.M.T. 16th Aug. C_L C_M	ww VhN_h	DDFWN	07h. G.M.T. C_L C_M	ww VhN_h	DDFWN
333	5-	21618	52558	5-	21638	52458	5-	01644	20424	20	00741	28111
334	--	64547	26268	--	55547	26388						
340	5-	02858	16458	53	0295	19467	50	01554	22314	20	01864	24114
136	5-	02755	18425	5-	22846	19467	5-	02734	20328	59	81763	20287
336	62	64526	16368							13	02754	20416
350	5-	02855	18428	5-	21838	51458				57	22765	22368
368	52	51645	20258	55	22747	24368	52	22747	20468	20	00851	26223
379	5-	52628	18458	50	03738	18458	5-	05668	18428	70	01753	22264
390	5-	02757	20427	52	51746	18468	5-	22538	18468	52	64528	22268
382	5-	02848	51428	52	52847	18358	5-	22668	20268	57	01863	24165
438	47	01763	20314	8-	02747	20327				--	67009	36359
430	5-	02748	20328				5-	52528	20368	5-	64428	22168
409	52	51617	19558	5-	05608	22428	5-	62418	20368	24	01862	31263

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 16th August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather. Morning	Weather. Afternoon	Weather. Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	cpdbc	cr.d.	fr.Rr.c	Kew 24 hours ended 7h. Max. Time 0·1
Croydon ...	bcdbc	cid.	cidom, fr. crerkc	
Greenwich ...	c	c		
Camden Square	c	c	*	
Kensington ...	c	c	*	Min. Time Whole Period.
Hampstead ...	bcor	orbc	c	

Stations.	Temperature. Day Max °F	Temperature. Night Min °F	Min on grass °F	Rainfall. Day mm	Rainfall. Night mm	Sunshine to sunset hrs. Yesterday	Humidity. 21h % Yesterday	Humidity. 9h % To-day
Kew	69	61	61	0·2	12	3·9	*	*
Croydon ...	72	60	58	0·1	6	4·2	*	*
Greenwich ...	74	61	58	-	7	5·3	73	91
Westminster ...	72	61	61	12		-	84	99
Regents Park ...								
Camden Square	73	62	61	0·3	11	*	*	90
Kensington ...	74	61	60	-	12		79	92
Hampstead ...	71	59	59	0·3	8		*	98

Page 1

SECRET

BRITISH SECTION

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

Monday 17th August 1942

No. 29438.

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

District	Stations (For heights see p. 4)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	21·1	+4	WNW	1	bc	70	55	55	8	8	–	4	4-6	7-8	2500
	Croydon	21·1	+2	WSW	1	bc	71	65	60	8	2	–	1	7-8	7-8	3000
	S. Farnborough	21·3	+4	W'N	3	bc	70	55	56	9	1	7	4	4-6	4-6	3500
	Boscombe Down	21·3	-4	W'N	3	bc	67	65	52	8	1	7	1	2-3	4-6	900
	Thorney Island	21·7	+4	W'N	3	bc	71	75	61	8	1	4	1	4-6	4-6	2500
	Lympne	22·0	+6	W	1	c/r	64	92	62	6	5	–	–	10	10	700
	Manston	21·6	+10	NW'W	1	dodo	64	85	60	6	5	2	–	7-8	10	900
2	Shoeburyness	21·6	+10	SW'W	2	iro	67	85	63	6	8	7	–	7-8	9+	2500
	Felixstowe	21·1	+8	S	3	zo	65	92	63	6	5	–	–	9+	9+	2000
	Gorleston	20·7	+10	NE	2	c	65	75	57	7	8	–	–	9	9	1400
	Mildenhall	20·5	+6	W'N	2	bc	70	55	54	8	2	7	1	4-6	4-6	4000
	Cranwell	20·0	+12	W'N	3	bc	68	45	47	8	2	–	–	4-6	4-6	3000
3	Birmingham	21·1	+4	W	2	bc	67	55	50	8	7	–	–	4-6	4-6	4000
	Upper Heyford	20·4	-2	W'N	2	bc	69	55	50	9	1	–	1	2-3	4-6	2500
4	Ross-on-Wye	21·2	0	NW	3	bc	66	55	50	9	1	–	1	2-3	2-3	4000
5	Hartland Point	23·6	+10	NNW	3	bc	60	65	48	9	1	–	–	2-3	2-3	3000
	Bristol	22·3	+6	W	3	bc	67	65	55	8	1	–	1	2-3	2-3	4000
	Portland Bill	22·3	+2	W	2	bc	62	85	59	8	2	–	–	4-6	4-6	4000
	Plymouth	23·1	+2	NW	2	bc	66	55	51	8	1	–	1	4-6	4-6	2500
	The Lizard	23·4	+6	NW	3	bc	65	65	54	8	7	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	24·5	+6	NW	2	bc	66	65	53	8	8	–	–	2-3	2-3	1200
	Guernsey															
6	Pembroke	23·7	+10	W	3	bc	60	65	59	8	2	4	1	2-3	4-6	3000
7	Holyhead (Valley)	21·8	+6	SW	4	c	62	65	50	8	1	–	6	1	9	3500
	Chester (Sealand)	21·3	+10	NW	3	c	63	55	49	8	2	1	3	2-3	7-8	3000
8	Manchester	21·0	+6	W	4	bc	64	55	49	8	2	–	6	4-6	7-8	2500
10	Spurn Head	19·7	+10	NW'W	4	bc	66	65	52	7	1	3	–	2-3	2-3	4000
	Catterick	19·2	+6	WSW	3	bc	67	55	49	9	2	–	2	4-6	7-8	3000
	Tynemouth	19·0	+4	W	4	bc	65	65	51	8	1	–	1	4-6	4-	3200
11	St. Abbs Head	16·3	+6	WNW	3	c	59	65	48	8	5	–	–	7-8	7-8	3000
	Leuchars	15·7	+2	W	4	bc	63	65	52	8	8	6	4	4-6	4-6	3000
12	Renfrew (Abbots I.)	17·1	+8	WSW	4	c	61	55	45	8	8	–	8	4-6	7-8	2500
	Eskdalemuir	18·0	+4	W'S	3	bc	58	65	44	8	8	7	1	4-6	7-8	2500
	Point of Ayre	19·9	+4	W	4	c	63	65	49	8	1	3	5	Tr	9	3000
13A	Tiree	14·1	-2	SW'W	5	o	58	92	55	7	5	–	–	10	10	2500
13B	Stornoway	10·7	-4	SW	3	pr	58	75	48	8	8	6	6	7-8	9	2000
15	Dalwhinnie	12·5	+8	SSW	3	c	58	65	45	8	8	–	2	4-6	7-8	2500
	Aberdeen	14·9	+8	W	3	bc	65	45	44	9	8	–	–	4-6	4-6	3100
	Wick	18·8	+10	WSW	3	c	62	85	59	9	5	–	6	4-6	7-8	2500
16	Sumburgh	11·2	+24	SW'W	6	bc	56	85	50	8	2	4	8	1	4-6	2500
17	Blacksod Point	17·6	-10	SW'S	5	c	64	75	56	8	8	–	–	10	10	2500
18	Malin Head	16·4	-2	SSW	4	c	58	75	50	8	2	2	–	4-6	10	2500
	Aldergrove	19·0	0	SW	3	c	62	55	47	9	7	7	8	4-6	9	2800
19	Birr Castle	20·7	-2	WSW	5	c	62	65	50	8	8	7	–	7-8	9	1500
20	Valentia Obsy.	22·9	-2	SW'W	4	c	63	65	50	8	8	7	–	7-8	9	1500
	Roches Point	22·9	0	WSW	2	bc	62	75	54	8	2	–	3	4-6	4-6	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	20·7	-2	WSW	2	b	73	45	52	8	1	–	–	1	1	2500	1	•
Croydon	20·8	+2	W	1	bc	71	55	55	8	4	–	5	1	2-3	3000	1	•
S. Farnborough	20·6	-2	W	2	b	72	55	52	8	4	3	–	Tr	1	4000	0	•
Boscombe Down	21·4	-2	WNW	3	b	67	55	51	9	1	3	4	Tr	1	3500	0	•
Thorney Island	21·1	-2	WSW	3	b	68	75	59	9	1	3	1	Tr	1	2500	0	•
Lympne	21·9	0	SE	2	bc/f	62	97	62	6	5	–	–	4-6	4-6	100	1	2
Manston	21·2	-2	SSE	1	zo	65	92	62	6	5	3	–	4-6	4-6	2500	1	•
Shoeburyness	21·1	-4	S'E	2	b	66	85	62	7	2	–	–	1	1	3000	1	•
Felixstowe	20·7	0	S	2	b	66	85	61	7	1	–	–	1	1	4000	0	2
Gorleston	21·2	+2	ESE	2	c	63	92	61	6	8	–	–	7-8	7-8	800	1	2
Mildenhall	20·3	0	N	2	bc	69	55	53	8	1	–	–	7-8	7-8	3500	0	•
Cranwell	20·4	+2	NW'W	2	b	67	45	46	7	–	3	–	0	Tr	–	0	•
Birmingham	21·1	0	W	2	bc	67	45	46	8	7	–	1	1	2-3	4000	1	•
Upper Heyford	20·3	0	W'N	3	b	69	45	49	9	1	–	1	1	1	3000	0	•
Ross-on-Wye	21·5	0	WNW	2	b	67	55	48	9	1	–	1	Tr	1	4000	0	•
Hartland Point	23·5	0	WNW	3	bc	60	75	51	8	1	4	6	2-3	4-6	4000	0	3
Bristol	22·2	0	W'S	3	b	63	75	56	9	4	–	4	Tr	1	4000	0	•
Portland Bill	22·3	0	W	2	bc	62	85	57	8	5	–	–	4-6	4-6	4000	1	3
Plymouth	23·4	+2	NW	3	bc	64	65	50	8	1	–	1	Tr	2-3	4000	0	2
The Lizard	23·7	+4	NW	2	bc	63	65	52	8	2	6	–	4-6	4-6	3000	0	3
Scilly (St. Mary's)	24·5	+2	W'N	2	bc	63	65	52	8	8	–	4	2-3	4-6	1200	1	3
Guernsey																	
Pembroke	22·3	0	W'S	4	bc	59	75	52	8	2	1	3	2-3	7-8	3000	0	3
Holyhead (Valley)	21·1	-2	SW'S	5	c	59	75	50	8	2	–	6	Tr	7-8	3000	0	3
Chester (Sealand)	20·9	-4	WSW	1	bc	65	45	43	8	1	–	6	Tr	4-6	4000	0	•
Manchester	20·8	-2	W'N	2	bc	62	65	49	7	1	3	5	2-3	2-3	4000	0	•
Spurn Head	20·8	+6	NW'W	4	bc	64	65	50	7	1	3	–	2-3	2-3	4000	0	2
Catterick	20·5	+6	W	4	c	60	65	49	9	1	3	2	Tr	7-8	4000	0	•
Tynemouth	19·2	0	W	3	bc	65	55	49	8	2	3	–	2-3	4-6	3200	0	2
St. Abbs Head	16·4	+2	SW	3	c	63	55	45	8	5	7	–	4-6	7-8	5000	0	3
Leuchars	15·3	-10	SW	4	c	60	75	53	8	8	9	9	1	7-8	3200	0	•
Renfrew (Abbots I.)	15·5	-16	SW	3	c	60	65	47	8	5	7	–	4-6	9+	2500	1	•
Eskdalemuir	17·9	-2	SSW	4	bc	56	75	46	8	8	7	1	4-6	4-6	2500	1	•
Point of Ayre	19·0	-8	SW'W	5	c	61	65	51	8	3	3	4	1	9+	4000	0	4
Tiree	10·4	-18	SSW	6	rr	55	85	51	6	–	2	–	10	10	1000	1	5
Stornoway	05·5	-26	SSW	7	c	57	85	51	8	8	1	7	7-8	10	2000	1	4
Dalwhinnie	13·8	-4	SSW	3	c	54	65	43	8	8	4	1	4-6	7-8	2500	0	•
Aberdeen	14·7	+2	SW'W	3	iro	60	65	46	9	8	2	–	7-8	9+	2500	1	2
Wick	11·0	0	SSW	3	c	58	92	55	9	5	1	–	4-6	9+	2500	1	•
Sumburgh	11·1	-4	SSW	4	bc	55	85	50	8	7	4	1	4-6	4-6	4000	1	4
Blacksod Point	14·6	-18	SSW	7	roro	58	85	53	7	6	2	–	4-6	10	1500	1	5
Malin Head	13·2	-18	SSW	6	iro	56	85	51	8	6	2	–	4-6	10	1500	1	4
Aldergrove	17·1	-12	SW'S	4	cjp	60	65	47	8	4	7	–	4-6	9	2000	1	•
Birr Castle	19·8	-2	WSW	3	c	61	65	49	8	8	2	–	7-8	9	1500	1	•
Valentia Obsy.	21·6	-6	SW	4	c	60	75	52	8	8	7	–	7-8	9+	2500	1	3
Roches Point	22·3	0	WSW	4	c	60	75	52	8	3	–	5	4-6	7-8	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 16th (39)	Weather 13h.—18h. 16th (40)	Weather 18h. 16th to 1h. 17th (41)	Weather 1h.—7h. 17th (42)
London (Kew)	rocbcy	bcby	byow	bbcmw
Croydon	rrmcbc	bccby	b	owbbc
S. Farnborough	cbcyv	bcvby	bybmo	bmocbcw
Boscombe Down	cmorocbc	bcby	byb	bmwbcm
Thorney Island	crrmoc	bcb	bbmo	bbcmobw
Lympne	RRf	cdidof	bcmofb	bmfbcmo
Manston	crorodomo	cdodoym	bcbfbmow	bmow
Shoeburyness	prorormoc	cmcbcb	b	bccw
Felixstowe	cmo	bcmobcb	bmow	cmo
Gorleston	proc	bcczo	bccmow	bfcm
Mildenhall	crormocbcy	bcy	bcyb	bmcmow
Cranwell	cbcy	bcbfy	bbcbmo	bbccmo
Birmingham	bc	bcb	b	bbc
Upper Heyford	bc	bcvby	bbcyb	bbcbc
Ross-on-Wye	bbc	bcvbv	bcvb	bcw
Hartland Point	bc	bc	bc	bcbbc
Bristol	bcb	b	bbcb	bfg bcw
Portland Bill	bc	bc	b	bc
Plymouth	bcy	bcbbcy	bbcb	bw
The Lizard	bc	bc	bcw	bcw
Scilly (St. Mary's)	bc	bc	bcbw	bbcwc
Guernsey				
Pembroke	bc	bcc	bc	bc
Holyhead (Valley)	bbc	cbcc	cbcc	cbcw
Chester (Sealand)	bcyc	cybcy	bcyc	c
Manchester	cbc	bcy	bczo	bcmo
Spurn Head	bc	bc	b	c
Catterick	bccbc	bccycv	bcvbc	bcc
Tynemouth	bc	bcbc	bc	bcc
St. Abbs Head	bbcc	cbcc	bc	bcc
Leuchars	bc	bcc	procbcido	bcidoccir
Renfrew (Abbots I.)	bccy	cyproc	momroro	cmoiro
Eskdalemuir	bc	bcbc	bc	croiro
Point of Ayre	bbcc	cbcc	circ	roroc
Tiree	co	oirorr	prrR	odirdr
Stornoway	cpr	cpr	cRR	cpr
Dalwhinnie	cpro	c		ciro
Aberdeen	bbcy	bcyciro	bcc	c
Wick	bccv	bcc	cciro	rorociro
Sumburgh	bcpro	bcpro bc	cprororomo	crorpmo
Blacksod Point	c	r	c	r
Malin Head	pr	r	r	r
Aldergrove	ccy	cycjp	cirociroc	c
Birr Castle	c	c		c
Valentia Obsy.	c	c	bc	c
Roches Point	bc	pr	bc	bc

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light Southwest wind; mainly fine, local fog or mist in early morning; rather warm during day.
5 S.W. England; 6 South Wales	Mainly as 1-4. Fog or very low cloud on coasts later.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	Moderate or fresh Southwest wind, strong on the coasts; cloudy, occasional rain; average temperature.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Fresh Southwest wind, strong to gale on coast; cloudy, periods of rain; average or rather low temperature.
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	Moderate Southwest wind; fair, rather warm inland.

GENERAL INFERENCE

Pressure is high over southern England and very low over Iceland. Small disturbances are moving quickly northeast between Iceland and the British Isles. Weather will be fine and rather warm in the South but cloudy with considerable rainfall in the North. Strong Southwest winds will occur in the North perhaps reaching gale force on the coasts.

FURTHER OUTLOOK

Fair or fine and rather warm in the Southeast, cloudy with rain at times and strong winds in the North.

Forecasts issued at 10.30

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

7h. Monday 17th August 1942.

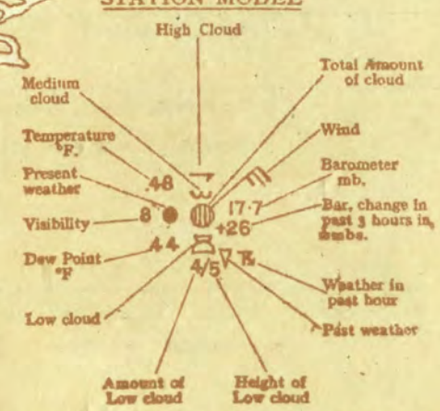
LOW

HIGH 1024

1000 1002 1004 1006 1008 1010 1012 1014 1016 1018 1020 1022

10° 5°W. 0° 5°E. 60° 55° 50°

STATION MODEL



Scale 1 : 5,000,000.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Monday 17th August

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles. 0 1 2 3 4 1000

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Monday 17th August, 1942

No. 29488.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon	290	22·6	+6	–	0	b	55	92	52	7	–	–	–	0	0	–
	S. Farnborough	226	23·0	+8	W'N	1	z₀	53	92	51	6	–	–	–	0	0	–
	Boscombe Down	417	23·5	+2	NW'W	2	b	50	97	49	7	–	–	–	0	0	–
	Thorney Island	10	22·8	+4	WNW	2	z₀	54	97	53	6	–	–	–	0	0	–
	Lympne	283	22·7	+2	SE'E	1	b	53	97	53	4	–	1	–	0	Tr	–
	Manston	154	21·8	0	–	0	z₀	57	97	56	6	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	20·6	+4	SW'W	1	z₀	61	92	60	6	–	–	1	0	Tr	–
	Gorleston	5	21·9	+2	S	2	z₀	62	92	59	6	5	–	–	7-8	7-8	1500
	Mildenhall	15	21·6	+4	W	2	z₀	49	92	47	6	–	–	–	0	0	–
	Cranwell	203	21·7	+2	SW'W	3	z₀	51	85	47	6	–	–	–	0	0	–
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22·7	+4	W'S	1	b	51	85	45	8	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	23·3	-6	WNW	4	bc	58	75	50	8	1	–	–	2-3	2-3	4000
	Bristol	209	23·9	0	–	0	b	51	97	50	7	–	–	4	0	1	–
	Portland Bill	32	23·7	+4	N	2	b	58	85	54	8	–	–	–	0	0	–
	Plymouth	82	24·4	0	–	0	b	53	92	50	8	–	–	–	0	0	–
	The Lizard	240	24·7	-4	–	0	bc	54	92	52	8	4	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	25·1	-4	W'N	2	b	54	92	52	8	5	–	–	1	1	1200
	Guernsey	175															
6	Pembroke	142	22·8	-6	WSW	5	bc	58	75	51	8	5	–	–	2-3	2-3	4000
7	Holyhead (Valley)	32	20·1	-6	SW'S	5	c	57	85	53	8	–	7	6	0	9+	–
	Chester (Sealand)	16	20·6	-2	SE'E	1	c	54	85	48	7	5	1	7	2-3	10	2800
8	Manchester	235	21·1	-6	S'E	3	z₀	50	92	47	6	5	–	6	2-3	4-6	4000
10	Spurn Head	29	21·2	0	ESE	3	b	56	85	50	7	–	–	–	0	0	–
	Catterick	175	19·0	-12	S'W	2	c	55	75	48	7	–	4	–	0	7-8	–
	Tynemouth	108	18·5	-10	W	4	bc	57	85	52	7	2	–	–	4-6	4-6	2500
11	St. Abbs Head	280	12·6	-34	SW	5	bc	55	85	50	7	9	–	–	4-6	4-6	2500
	Leuchars	36	11·4	-22	SW	5	id₀	56	85	53	7	5	–	–	4-6	4-6	2500
12	Renfrew (Abbots I.)	19	12·3	-14	SW	4	r₀r₀	55	92	53	4	6	2	–	7-8	10	800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	17·0	-8	W	5	c	58	75	48	8	8	1	–	7-8	9+	2500
13A	Tiree	22	07·9	-4	SW	5	r₀r₀	57	92	55	6	5	–	–	10	10	450
13B	Stornoway	80	03·7	+18	SW	4	c	54	85	48	7	5	7	4	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	08·9	-30	SW	6	c	56	75	49	8	5	–	–	9+	10	3000
	Wick	114	04·7	-34	SSW	6	ir₀	56	97	55	8	5	2	–	7-8	10	2400
16	Sumburgh	19	04·7	-44	S	5	r₀r₀	55	85	49	6	5	2	–	7-8	10	1500
17	Blacksod Point	18	13·1	-8	SSW	6	c	49	85	45	7	5	–	–	10	10	800
18	Malin Head	84	09·8	-10	SW	5	o/r	57	97	56	6	–	2	–	10	10	1500
	Aldergrove	268	14·9	-16	SW'S	5	c	57	85	51	8	5	–	–	10	10	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	20·5	-10	SW'S	4	c	59	85	55	8	5	–	–	9+	9+	2500
	Roches Point	22	21·2	-10	W'S	3	b	55	97	54	8	5	–	–	1	1	1500

OBSERVATIONS at 7 hr. G.M.T. 17th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 16th Hrs. (38)
London (Kew)	23·1	+6	WSW	1	z₀	55	85	50	6	–	–	6	0	7-8	–	1	*	73	53	40	0·1	Tr	8·0
Croydon	22·6	+2	WNW	1	bc	54	85	51	6	–	–	2	0	4-6	–	1	*	75	48	48	1	0·3	6·4
S. Farnborough	23·1	+2	–	0	bc	50	92	48	7	–	–	8	0	4-6	–	1	*	74	46	37	0·3	–	7·8
Boscombe Down	23·2	+2	–	0	m	47	97	47	4	–	–	2	0	4-6	–	0	*	71	44	37	Tr	Tr	8·7
Thorney Island	22·8	+4	NW	1	bc	56	85	50	8	–	–	2	0	2-3	–	0	*	73	49	44	1	–	*
Lympne	22·9	+6	W	1	z₀	55	97	55	6	–	–	6	0	4-6	–	1	§1	66	49	*	10	0·1	0·3
Manston	22·0	+6	–	0	z₀	57	92	54	6	–	–	6	0	7-8	–	1	*	66	52	43	0·5	Tr	1·3
Shoeburyness	22·5	+8	WNW	2	c	56	85	51	6	–	–	2	0	7-8	–	1	*	70	50	42	3	–	3·2
Felixstowe	22·4	+14	NW	2	z₀	54	92	51	6	–	–	6	0	9+	–	1	1	70	58	50	4	–	4·8
Gorleston	22·1	+4	WNW	2	m/f	55	97	53	4	5	–	–	7-8	7-8	500	1	2	70	54	53	4	–	3·5
Mildenhall	22·2	+8	SW'S	1	z₀	52	85	48	6	–	–	2	0	9	–	0	*	74	45	*	Tr	Tr	6·4
Cranwell	21·0	0	SW'S	2	z₀	52	85	48	6	–	–	2	0	9+	–	0	*	*	45	39	–	–	10·8
Birmingham	21·9	0	SSW	2	bc	52	85	48	8	–	4	2	0	4-6	–	1	*	69	47	38	–	–	11·6
Upper Heyford	22·7	+6	SW	1	c	50	92	47	8	–	–	6	0	9	–	0	*	72	47	38	–	–	*
Ross-on-Wye	22·1	-4	SW	2	bc	53	85	49	7	5	–	2	1	2-3	3000	0	*	69	47	42	–	–	12·4
Hartland Point	22·3	+2	W	3	bc	59	75	51	8	2	–	1	4-6	4-6	3200	0	4	61	57	52	–	–	11·6
Bristol	23·4	+2	–	0	bc	53	97	53	8	9	–	5	Tr	4-6	2500	0	*	69	45	35	–	–	11·7
Portland Bill	23·4	-4	NW	2	bc	58	85	54	8	5	–	–	4-6	4-6	4000	1	3	63	55	*	1	–	*
Plymouth	24·0	+2	NE	1	z₀	49	97	49	7	–	–	1	0	Tr	–	0	2	68	46	42	–	–	11·8
The Lizard	23·5	+2	W	2	bc	54	92	52	8	4	–	–	2-3	2-3	2500	1	3	66	53	*	–	–	12·9
Scilly (St. Mary's)	23·3	-2	NW	2	c	57	85	52	8	8	–	–	7-8	7-8	1600	1	2	66	53	*	–	–	11·8
Guernsey																							
Pembroke	21·7	0	WSW	4	bc	59	85	54	8	8	4	–	2-3	4-6	4000	0	3	62	56	*	–	–	10·6
Holyhead (Valley)	18·7	-2	SW'S	5	bc	58	85	55	8	5	4	2	Tr	7-8	2000	0	4	63	56	52	–	–	*
Chester (Sealand)	19·3	-2	SSW	2	c	60	75	50	8	5	4	8	1	7-8	3000	0	*	66	51	47	–	–	10·8
Manchester	20·4	+2	S	3	bc	52	92	49	7	–	7	9	0	2-3	–	0	*	65	49	45	–	–	*
Spurn Head	20·4	-4	SW	4	c	53	85	47	7	7	3	1	4-6	7-8	2500	0	3	68	52	*	–	–	9·3
Catterick	18·2	+2	S'W	2	c	57	75	50	8	5	7	–	1	9+	2200	0	*	68	53	47	–	–	10·2
Tynemouth	17·0	0	SW	4	c	58	85	53	7	5	–	–	7-8	7-8	2800	0	2	66	50	*	–	–	*
St. Abbs Head	11·3	-2	SSW	6	cq	57	85	52	7	5	4	–	7-8	9	3000	0	4	63	52	*	–	–	*
Leuchars	09·5	0	SW	5	ir₀	58	85	55	8	5	–	–	10	10	1800	0	*	65	56	53	–	–	8·5
Renfrew (Abbots I.)	10·8	+6	SW	4	ir₀	58	85	53	6	5	2	–	9	10	800	1	*	63	55	52	Tr	3	7·3
Eskdalemuir	13·4	0	SW	6	ir₀	54	92	51	7	5	–	–	10	10	1100	1	*	61	52	50	–	0·3	8·0
Point of Ayre	15·2	-8	W	6	c	59	75	51	8	5	7	–	2-3	9+	3000	0	4	66	57	*	–	Tr	9·5
Tiree	06·7	0	WSW	3	rr	55	97	55	6	–	2	–	10	10	400	1	4	60	54	*	0·6	10	4·7
Stornoway	02·2	-8	SSW	5	pr	55	92	52	8	3	7	–	7-8	10	1500	1	2	60	52	*	1	4	7·7
Dalwhinnie	07·8	-4	SSW	3	ir	55	92	53	7	5	1	–	4-6	10	1500	1	*	59	50	48	0·2	5	3·4
Aberdeen †	08·4	-4	SSW	3	c	57	85	52	8	5	3	–	9+	9+	2500	1	2	67	55	52	Tr	–	8·6
Wick	04·8	-8	S	3	ir₀	54	97	53	8	5	7	–	2-3	9+	2000	1	*	64	53	49	–	0·2	*
Sumburgh	04·0	+4	SW'S	5	c	53	92	51	8	5	3	–	Tr	7-8	1500	1	5	57	52	49	Tr	10	9·8
Blacksod Point	11·5	-2	SSW	6	rr	58	92	56	7	6	2	–	4-6	10	800	2	5	(64)	46	*	1	5	*
Malin Head	09·1	-2	SSW	4	ir	58	97	57	6	–	2	–	10	10	1500	2	4	60	53		0·2	9	2·2
Aldergrove	13·3	-6	SW'S	4	c	58	85	53	8	8	2	–	9+	10	1500	1	*	65	51	48	–	Tr	5·1
Birr Castle	16·7	0	WSW	3	c	58	85	53	8	5	1	–	7-8	9+	2500	1	*	65	55	54	–	–	4·2
Valentia Obsy.	18·7	-6	SW'S	4	bc	59	85	55	8	8	4	3	4-6	7-8	2500	1	4	63	58	55	–	–	5·9
Roches Point	19·6	-6	SE'S	3	bc	54	92	52	8	5	–	1	4-6	4-6	2500	1	3	63	54	*	Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 16th August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 17th August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	77	01863	21514	8-	02375	16226	02	62768	49568	57	02887	49217
115	54	02844	57526	55	02844	53526	87	02844	53586	87	02844	20426
203				8-	02838	16628	8-	81838	16588	6-	81838	16528
206	2-	01964	24414	87	02963	57515	5-	64758	53568	67	02855	18167
210	20	01963	20414	87	02964	18328	5-	01954	50524	57	51853	15268
220	51	02745	21418	62	66446	18668				52	25736	20488
230	81	02854	20487	82	81755	16188	5-	64738	51468	5-	64628	51568
245	10	01964	25414	57	02962	22427	57	61757	53468	5-	02848	51468
260	23	01864	24315	25	01853	24324	51	01862	51715	52	61755	20628
278	27	02852	22317	57	02864	18387	5-	22748	20368	57	02856	53328
279	20	02963	54426				5-	62874	50564	5-	02753	52618
285										5-	05638	22528
288	10	01954	22414	27	01961	20414	02	02890	16518	04	02890	51528
575	87	02854	22328	52	61854	54468	5-	62748	53568	52	52645	55558
301	23	02953	23415	00	00990	22313	5-	02858	20528	53	02753	20525
321	20	01864	26314	03	05690	24312	03	05690	16213	07	05690	16225
299	10	01754	30206	44	01762	30213	00	00790	26100	5-	02766	22226
292	84	01964	23314	44	00961	24213	51	05662	18218	04	05690	17226
310										--	02628	20318
614	1-	01765	22315	44	00761	26122	00	05690	20100	00	05590	24124
338	2-	02964	20326	10	01961	19415	00	02790	19426	54	02745	20415
334										--	03647	22428
340	26	01964	30214	26	01963	31114	07	01890	20314	57	01971	14115
136	13	01863	24383	54	02863	26115	00	05690	00013	00	05690	24105
336										13	01764	24315
350	10	01964	23224	40	00962	24213	00	00790	20110	50	02762	22215
368				00	01890	22415	50	05653	24113	5-	02756	24116
379	20	01953	26313				00	00890	26300			
390	10	02755	22215	40	00763	25213	00	05690	00000	00	02790	28117
332	10	01964	22315	10	00971	26102	00	00790	00000	00	03790	00003
438	8-	42547	22247	24	01842	22314				04	01790	00013
430				04	00990	18201	00	05690	00000	00	00890	28113
409	10	01854	31314	10	01952	26304	50	00851	18101	54	00851	15102

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 17th August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	r₀cbcy	bcy	bw,bcm₀
Croydon	rrm₀cbc	bcbcby	bwbbc
Greenwich	c	bcbs	bwz₀
Camden Square	c	b	*
Kensington	cbc	bc	*
Hampstead	bc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. 0·1 Time 4-8h 17th
Min. <0·1 Time Rest of period.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	73	53	40	0·1	Tr	8·0	*	*
Croydon	75	48	48	1	0·3	6·4	*	*
Greenwich	75	50	36	–	Tr	6·2	53	60
Westminster	74	51	50	–	–		63	68
Regents Park	74	51	41	–	–		52	57
Camden Square	75	52	43	–	–	*	*	67
Kensington	75	51	40	Tr	–		50	57
Hampstead	73	49	45	–	–		*	70

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

SECRET

Tuesday 18th August 1942

No. 29489

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	21·7	−14	SW	2	b	67	55	49	8	-	-	1	0	1	-
	Croydon ...	21·7	−16	W	2	bc	71	55	51	8	-	-	1	0	2-3	-
	S. Farnborough	21·7	−16	W'S	2	bc	71	45	49	9	-	-	1	0	2-3	-
	Boscombe Down	22·0	−10	W'S	2	b	69	55	50	9	1	-	2	Tr	1	3500
	Thorney Island	22·1	−10	S'W	3	b	67	65	53	8	-	3	1	0	2-3	-
	Lympne ...	22·3	−6	SE	2	b	67	75	58	7	1	-	1	Tr	Tr	4000
	Manston ...	21·6	−8	-	0	Z_0	60	65	46	6	-	-	2	Tr	Tr	2100
2	Shoeburyness ...	21·8	−14	S'W	1	b	71	55	45	7	-	-	-	0	0	-
	Felixstowe ...	21·8	−8	SSE	3	b	69	65	56	7	-	-	1	0	Tr	-
	Gorleston ...	22·0	0	SE'S	2	Z_0	63	85	57	6	-	-	1	0	2-3	-
	Mildenhall ...	21·1	−12	SW'W	3	b	72	35	44	9	-	-	1	0	1	-
	Cranwell ...	19·5	−6	SW'W	4	b	69	55	52	7	1	-	2	Tr	2-3	4000
3	Birmingham ...															
	Upper Heyford	21·1	−12	SW'W	4	b	70	45	50	7	1	-	1	Tr	1	4000
4	Ross-on-Wye	20·6	−12	SW'W	3	bc	66	58	51	8	1	-	-	4-6	4-6	4000
5	Hartland Point	21·8	−8	WSW	4	bc	61	75	44	8	1	4	-	2-3	2-3	3000
	Bristol ...	22·7	−6	W	3	bc	63	75	51	8	1	-	-	2-3	2-3	4000
	Portland Bill ...	22·5	−14	SW	2	bc	61	85	56	8	2	-	-	4-6	4-6	4000
	Plymouth ...	23·0	−10	SSW	3	bc	64	75	54	8	7	-	1	4-6	4-6	2500
	The Lizard ...	22·5	−12	NW	2	bc	65	65	54	6	8	4	-	4-6	4-6	2500
	Scilly (St. Mary's)	22·8	−10	SW	2	bc	69	65	56	8	8	4	4	2-3	4-6	6000
	Guernsey ...															
6	Pembroke ...	21·3	−10	SW	5	bc	63	75	54	8	2	3	-	2-3	4-6	3000
7	Holyhead (Valley)	18·9	−2	SSW	7	bc	64	75	47	8	5	4	2	1	4-6	2000
	Chester (Sealand)	19·2	−6	SW	3	c	67	55	51	8	2	-	-	7-8	7-8	3000
8	Manchester ...	19·7	−6	SSW	4	c	68	75	55	8	4	3	1	7-8	7-8	2500
10	Spurn Head ...	19·6	−10	SW	3	bc	71	45	51	6	-	3	1	0	2-3	-
	Catterick ...	17·4	−6	SW	5	c	67	65	53	8	5	-	2	2-3	10	3000
	Tynemouth ...	16·1	−8	WSW	6	cq	65	75	56	7	5	-	-	9	9	2800
11	St. Abbs Head	12·0	+6	SSW	6	c	63	55	32	7	5	7	-	7-8	9+	2500
	Leuchars ...	10·7	+6	SW	6	c	62	85	55	8	5	-	-	10	10	1800
12	Renfrew (Abbotsi.)	11·4	0	SW	5	c/+	60	68	54	6	5	2	-	7-8	10	800
	Eskdalemuir ...	14·2	0	SW'S	7	t_0r_0	56	85	52	7	5	-	-	10	10	1400
	Point of Ayre ...	16·4	+4	WS	5	c	64	65	52	8	5	7	-	2-3	10	3000
A	Tiree	07·5	+6	WSW	5	t_0r_0	51	87	50	6	5	-	-	10	10	600
	Stornoway ...	02·6	+2	SW	8	pr	56	92	53	7	5	7	-	7-8	10	1500
15	Dalwhinnie ...	07·6	0	SSW	4	r+	57	92	55	7	5	-	-	10	10	1500
	Aberdeen ...	08·5	0	SW'S	5	c	65	75	57	8	7	7	9	2-3	9+	2500
	Wick ...	04·6	−4	SW	3	t_0r_0	59	92	57	8	5	7	-	7-8	10	1500
16	Sumburgh ...	03·9	−6	SW	5	ir_0	54	97	54	7	5	2	-	4-6	10	1800
17	Blacksod Point	11·7	0	SW'S	6	dd	58	97	58	7	-	2	-	10	10	800
18	Malin Head ...	09·4	+2	SW'S	4	dd	59	97	55	6	-	2	-	10	10	800
	Aldergrove ...	13·7	+2	SW	4	ir_0	60	85	54	7	6	2	-	9+	10	1200
19	Birr Castle ...	16·3	−2	WSW	4	c	64	75	52	8	5	1	-	7-8	10	2500
20	Valentia Obsy.	17·9	−10	SW'S	5	c	62	85	55	8	4	7	-	9	9+	2500
	Roches Point	19·3	−6	SW	4	bc	64	85	57	8	5	2	-	4-6	4-6	1500

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base. (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	19·7	−3	SW'W	2	b	71	45	51	8	-	-	1	0	Tr	-	1	*
	Croydon ...	19·8	−8	SW	1	b	71	45	51	8	-	-	-	0	1	-	1	*
	S. Farnborough	19·6	−6	WSW	2	bc	71	43	50	9	-	-	1	0	2-3	-	0	*
	Boscombe Down	20·0	−6	WSW	2	bc	69	55	51	9	1	-	5	Tr	4-6	4000	0	*
	Thorney Island	20·8	−10	SW	3	bc	64	75	54	9	-	4	1	0	2-3	-	0	*
	Lympne ...	20·9	−6	S	1	b	64	75	56	8	-	-	1	0	Tr	-	1	1
	Manston ...	17·9	−10	S	2	b	67	55	50	8	-	-	1	0	1	-	0	*
2	Shoeburyness ...	19·9	−6	SE	2	b	66	83	61	7	-	-	-	0	0	-	0	*
	Felixstowe ...	20·0	−10	SSE	3	b	65	75	56	8	-	-	-	0	0	-	0	2
	Gorleston ...	20·2	−6	S'W	4	Z_0	65	75	58	6	-	-	-	0	0	-	0	4
	Mildenhall ...	18·8	−16	SW'W	2	b	71	45	56	9	-	-	-	0	0	-	0	*
	Cranwell ...	17·9	−14	WSW	2	b	68	55	52	7	-	-	-	0	0	-	0	*
3	Birmingham ...	18·2	−10	WSW	2	b	67	55	52	8	1	-	1	Tr	Tr	4000	0	*
	Upper Heyford	19·2	−12	SSW	3	b	67	55	50	8	-	-	8	0	1	-	0	*
4	Ross-on-Wye	19·2	−10	WSW	3	bc	65	65	52	8	4	-	6	Tr	4-6	4000	0	*
5	Hartland Point	19·8	−12	WSW	3	c	61	85	56	8	1	-	6	1	7-8	3300	0	4
	Bristol ...	20·8	−12	W'S	2	bc	63	75	55	8	-	6	6	0	7-8	-	0	*
	Portland Bill ...	21·0	−14	SW	2	bc	61	85	56	8	2	-	-	4-6	4-6	4000	1	3
	Plymouth ...	21·2	−16	SW'S	2	bc	62	85	56	8	1	-	6	1	4-6	3000	0	2
	The Lizard ...	20·8	−20	-	0	c	62	75	49	8	8	6	-	4-6	7-8	2500	0	3
	Scilly (St. Mary's)	20·8	−10	SSW	2	c	63	65	52	8	8	7	2	2-3	9+	1600	1	2
	Guernsey ...																	
6	Pembroke ...	19·8	−10	SW'W	4	bc	61	85	55	8	2	7	1	2-3	4-6	3000	0	3
7	Holyhead (Valley)	16·9	−12	SSW	6	c	64	65	57	8	2	4	3	Tr	7-8	3000	0	4
	Chester (Sealand)	17·5	−4	SSW	3	bc	65	55	53	8	4	-	3	2-3	4-6	4500	0	*
8	Manchester ...	17·5	−14	SW'W	4	bc	64	68	53	9	4	3	-	4-6	7-8	4500	0	*
10	Spurn Head ...	18·2	−6	SW'W	3	bc	69	55	55	7	1	3	-	2-3	4-6	4000	0	3
	Catterick ...	16·4	−4	WSW	3	c	64	75	54	8	5	3	6	4-6	9+	3000	0	*
	Tynemouth ...	15·4	+4	SW	6	cq	63	83	57	7	8	3	-	4-6	4-6	2800	0	3
11	St. Abbs Head	11·1	−2	SW	6	c	60	85	53	7	5	2	-	7-8	10	2500	0	5
	Leuchars ...	10·3	−2	SW	6	c	60	85	56	7	6	2	-	7-8	10	900	0	*
12	Renfrew (Abbotsi.)	11·0	−2	SW	4	Z_0	60	85	52	6	5	2	-	7-8	10	800	1	*
	Eskdalemuir ...	13·4	−6	SW'S	6	c	57	85	54	6	5	-	-	10	10	700	1	*
	Point of Ayre ...	14·7	−2	SW'W	4	c	63	75	56	8	5	7	-	4-6	9+	3000	0	
A	Tiree	07·9	+2	SW'W	4	r_0	56	92	54	7	-	2	-	9+	9+	1500	1	
	Stornoway ...	04·6	+6	SSW	3	c	56	85	51	8	5	1	-	7-8	9+	2000	1	3
15	Dalwhinnie ...	08·2	+6	W	3	t_0r_0	54	92	52	7	5	-	-	10	10	1500	1	*
	Aberdeen ...	08·5	−2	SW	5	c	62	75	53	8	5	7	-	4-6	9+	2000	0	4
	Wick ...	05·9	+8	SW'W	2	c	58	87	55	8	5	1	-	7-8	10	2500	1	*
16	Sumburgh ...	04·1	+2	SW'S	4	ir_0	54	97	52	7	6	2	-	9+	10	1200	1	5
17	Blacksod Point	11·1	−6	SW'W	5	o	60	85	56	6	-	1	-	10	10	800	1	4
18	Malin Head ...	09·6	0	SW	3	c	55	82	51	8	5	2	-	7-8	10	800	2	4
	Aldergrove ...	12·9	−4	SW	3	ir_0	60	85	56	6	5	2	-	9+	10	1200	1	*
19	Birr Castle ...	14·3	−4	WSW	3	c	62	75	55	8	5	1	-	7-8	10	2500	1	*
20	Valentia Obsy.	15·5	−6	SSW	4	c	61	85	57	8	2	7	-	4-6	9+	1600	1	3
	Roches Point	17·1	−4	SW	3	c	61	85	57	8	5	3	-	4-6	7-8	1500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 17th (39)	Weather. 13h.—18h. 17th (40)	Weather. 18h. 17th to 1h. 18th (41)	Weather. 1h.–7h. 18th (42)
1	London (Kew)	bcby	by	bybw	bbcwm
	Croydon ...	bcbay	bcyby	b	bbcwbc
	S. Farnborough	bcwbbayr	bcbbcby	bw	bbcemw
	Boscombe Down	bcmb	bycb	bcbfg	bcwfg
	Thorney Island	bwbcby	bbc	bcb	bifbcmw
	Lympne ...	bcbzb	bbyb	bm_0w	bm_0wbc
	Manston ...	bz_0	$bbcz_0$	$bybm_0$	bm_0bcm_0
2	Shoeburyness ...	cm_0bcyb	byb	bbm_0	bmcm
	Felixstowe ...	b	b	bbm_0bm_0w	bm_0wbcm
	Gorleston ...	bz_0	bz_0	cm_0w	$bczw$
	Mildenhall ...	bcby	by	bybbw	bwfgcmw
	Cranwell ...	bcby	bbz_0by	bm_0	bcm_0
3	Birmingham ...				
	Upper Heyford		cb	b	bbc
4	Ross-on-Wye	cbcby	by	bcyb	bcfbc
		bcbbc	bcy	bcbw	bm_0c
5	Hartland Point	bc	bcc	cbcc	cbc
	Bristol ...	bcwcbc	bc	bcbcb	bm_0fgbcm_0
	Portland Bill ...	bc	bcbc	bc	c
	Plymouth ...	bw m_0 bc	bc	bccbc	bcwmbc
	The Lizard ...	bc	bc	bccbc	bccw
	Scilly (St. Mary's)	cbc	b	cbcc	cbcc
	Guernsey ...				
6	Pembroke ...	qprbc	bc	bc	bcc
7	Holyhead (Valley)	bc	bcc	cbcc	c
	Chester (Sealand)	ccy	bcy	ym_0wbc	cm_0w
8	Manchester ...	bcc	cbc	bcm_0	bcm_0
10	Spurn Head ...	bz_0	bc	bcm_0	cm_0
	Catterick ...	cbccy	cyc	bcb	$bccm_0$
	Tynemouth ...	cbcq	bccq	cm_0	
11	St. Abbs Head	c	c	c	$cror_0$
	Leuchars ...	ccir$_0$c	$cid_0d_0d_0c$	cm_0ddm_0	cm_0c
12	Renfrew (Abbotsi.)	$cm_0r_0r_0$	cm_0	cir_0m_0	cm_0c
	Eskdalemuir ...	cir_0r_0	cr_0m_0	cr_0r_0	cr_0r_0
	Point of Ayre ...	cir_0r_0	cr_0m_0	cr_0r_0	cr_0r_0
A	Tiree		c	cbcc	C
	Stornoway ...	odrr		cr_0Rd	$orrir_0c$
15	Dalwhinnie ...	cpr	cpr	cpr	
	Aberdeen ...	or_0r_0	or_0r_0		oir
	Wick ...	cbcc	c	c	cw
16	Sumburgh ...	cir_0r_0	cir_0ir_0c	$r_0cr_0r_0dd_0$	$d_0d_0cr_0c$
		cir_0	$cir_0d_0r_0$	$cm_0r_0ir_0$	cr_0ir_0c
17	Blacksod Point	o	c	pr	c
18	Malin Head ...	r	d	d	r
	Aldergrove ...	cid_0ir_0	cir_0c	cir_0c	$ccid_0$
19	Birr Castle ...	c	c		r
20	Valentia Obsy.	c	c	r	r
	Roches Point	pr	c	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 18th August 1942

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light variable wind becoming Southwest; fine at first, cloudy with occasional rain tomorrow; warm today.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Wind Southwest light, becoming moderate or fresh later; fine and rather warm at first, cloudy with occasional rain and some coast and hill fog later. Freshening Southwest wind; cloudy, rain at times; average temperature.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate or fresh Southwest wind; mainly cloudy, but bright periods at first, occasional rain later; rather warm today.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh Southwest wind strong at exposed places; cloudy, rain at times; average temperature.
16 Orkneys and Shetlands 17 N. W. Ireland 18 N. E. Ireland	As 12–15
19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh Southwest wind; cloudy, rain at times; average temperature.

GENERAL INFERENCE

Pressure is relatively high to southeast of the British Isles. A depression to northwest of Ireland will move northeast and a trough of low pressure will move slowly east across Ireland and England. Weather will be mainly cloudy with rain at times and strong winds in Ireland and Scotland. It will be fine and warm today in the Southeast, but tomorrow conditions will become cloudy with occasional rain.

FURTHER OUTLOOK

Unsettled; considerable rainfall in the North and occasional rain in the South with thundery tendency.

Forecasts issued at 10.30.

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

7h. Tuesday 18th August 1942.

Low

HIGH

1000 1002 1004 1006 1008 1010 1012 1014 1016 1018

10° 5°W. 0° 5° E 10° 15° E.

60° 55° 50°

Scale 1 : 5,000,000.

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 mmbs.

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud

Mb.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of
Tuesday 18th August
1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Tuesday 18th August 1942 — No. 29489

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	56	*	*	*	*	*	*	*	*	*
	Croydon ...	290	19·6	-6	SW	2	b	51	92	51	6	-	-	-	0	0	-
	S. Farnborough	226	19·0	-8	-	0	b	51	92	49	7	-	-	-	0	0	-
	Boscombe Down	417	19·6	-6	-	0	b_{10}	51	97	51	6	-	7	-	0	1	-
	Thorney Island	10	18·9	-2	NNE	1	b_{10}	48	92	47	7	-	-	-	0	0	-
	Lympne ...	283	20·3	-6	-	0	z_0	50	97	50	6	-	-	-	0	0	-
	Manston ...	154	19·6	-8	SSE	1	z_0	55	85	51	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	19·2	-6	SW	1	z_0	60	92	57	6	-	-	-	0	0	-
	Gorleston ...	5	19·6	-8	SW'W	2	b	58	85	54	6	-	-	-	0	0	-
	Mildenhall ...	15	18·7	-6	S'W	1	b	51	92	48	7	-	4	-	0	1	-
	Cranwell ...	203	18·1	-2	WSW	2	z_0	55	85	50	6	-	4	1	0	2-3	-
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	19·1	-6	WSW	1	b	53	85	49	7	-	-	1	0	Tr	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·6	-16	W	3	c	59	85	53	8	5	-	-	7-8	7-8	4000
	Bristol ...	209	19·9	-6	-	0	b	50	97	49	7	-	4	-	0	Tr	-
	Portland Bill ...	32	19·0	-10	SW	2	bc	58	85	54	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	19·2	-12	SE	1	bc	51	97	51	7	-	4	6	0	4-6	-
	The Lizard ...	240	18·8	-12	-	0	bc	54	85	50	8	4	-	-	4-6	4-6	2500
	Scilly (St.Mary's)	163	18·2	-18	SW	2	c	58	85	52	8	8	-	-	7-8	7-8	1200
	Guernsey ...	175															
6	Pembroke ...	142	17·7	-12	SW	3	bc	59	85	53	7	2	-	-	2-3	2-3	3800
7	Holyhead (Valley)	32	16·1	-6	SSW	6	c	53	92	50	8	5	7	8	1	9+	4000
	Chester (Sealand)	16	16·9	-12	SE	1	bc	54	85	50	6	-	3	-	0	2-3	-
8	Manchester ...	235	17·4	-8	S'E	3	z_0	54	85	51	6	5	-	-	4-6	4-6	4000
10	Spurn Head ...	29	18·2	-4	W'S	3	bc	58	85	53	6	-	3	-	0	2-3	-
	Catterick ...	175	16·6	-4	SW	3	bc	56	85	52	7	-	4	1	0	2-3	-
	Tynemouth ...	108	15·6	-6	S	4	c	59	85	54	7	5	-	-	7-8	7-8	2500
11	St. Abbs Head	280	11·8	0	SW	4	c	59	92	55	7	5	-	-	10	10	4000
	Leuchars ...	36	11·0	0	SW	3	c	59	92	57	6	5	-	-	10	10	1900
12	Renfrew (Abbotsl.)	19	11·2	-2	SW	4	c	60	85	56	6	5	-	-	10	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	13·8	-4	WSW	4	c	59	85	54	8	5	2	-	2-3	10	3800
13A	Tiree	22	07·9	-2	SSW	5	rr	58	97	57	6	5	-	-	10	10	450
13B	Stornoway ...	80	06·7	+16	SW	4	c/pr	53	92	50	7	5	1	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	09·4	0	SW	3	c	58	85	54	8	5	2	-	2-3	10	2000
	Wick ...	114	06·7	-6	SW	3	d_0 d_0	55	97	54	7	5	-	-	10	10	1800
16	Sumburgh ..	19	08·7	+2	SW	4	ir_0	53	92	51	7	5	2	-	7-8	10	2000
17	Blacknod Point	18	08·8	-18	SW	5	c/pr	59	92	57	7	8	-	-	7-8	7-8	1500
18	Malin Head ...	84	08·9	-6	S	3	id	59	97	58	6	8	2	-	7-8	10	800
	Aldergrove ...	268	12·2	-10	S'W	3	c	59	85	53	7	5	-	-	10	10	2100
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	12·3	-24	S'W	5	ir_0	59	92	57	7	5	2	-	9	10	1500
	Roches Point	22	14·9	-18	SW'W	4	c	57	92	55	8	8	-	-	9+	9+	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	17·7	-2	-	0	z_0	53	97	52	5	-	-	6	0	4-6	-	1	*
	Croydon ...	17·7	-10	S	1	z_0	55	97	53	6	6	4	2	Tr	4-6	2500	1	*
	S. Farnborough	17·8	-10	-	0	z_0	50	97	49	6	-	-	-	0	0	-	1	*
	Boscombe Down	18·7	-4	-	0	mist	46	97	46	4	S	7	2	4-6	7-8	3500	0	*
	Thorney Island	17·7	-2	-	0	z_0	52	97	51	6	-	-	2	0	4-6	-	0	*
	Lympne ...	18·8	-6	-	0	bc	61	92	58	8	4	-	1	1	4-6	5000	1	1
	Manston ...	18·0	-6	-	0	bc	61	75	54	7	5	3	6	4-6	4-6	3500	0	*
2	Shoeburyness ...	18·3	-2	WSW	1	m	57	97	57	4	5	-	2	7-8	9+	3500	1	*
	Felixstowe ...	18·2	-6	-	0	z_0	57	97	56	6	-	4	6	0	9	-	0	1
	Gorleston ...	18·6	-6	NW'W	2	z_0	57	85	52	6	5	-	8	4-6	7-8	2500	0	1
	Mildenhall ...	17·8	-2	-	0	z_0	52	92	50	6	-	3	9	0	9	-	0	*
	Cranwell ...	17·4	+2	SW	1	z_0	53	92	51	6	5	-	-	9	9	5000	0	*
3	Birmingham ...	17·2	-2	SSE	2	bc	54	92	52	6	5	-	6	2-3	4-6	4000	0	*
	Upper Heyford	17·6	-4	SE	1	bc/f	54	92	51	5	-	5	6	0	4-6	-	0	*
4	Ross-on-Wye	17·0	-6	SW	1	z_0	51	92	49	6	7	-	2	2-3	4-6	3000	0	*
5	Hartland Point	15·8	-6	SSE	3	bc	53	85	49	8	2	4	3	Tr	4-6	2500	0	3
	Bristol ...	18·2	0	SSE	1	c	53	92	52	7	-	9	6	0	7-8	-	0	*
	Portland Bill ...	16·9	-6	SE	2	c	58	85	54	8	2	-	-	7-8	7-8	4000	1	2
	Plymouth ...	17·0	-8	E	2	c	50	97	50	8	5	3	-	9	9	2500	0	1
	The Lizard ...	16·2	-8	S	2	c	56	92	54	8	8	6	-	7-8	7-8	2500	0	3
	Scilly (St.Mary's)	15·5	-6	S'W	3	c	59	75	52	8	8	6	3	4-6	7-8	1200	0	3
	Guernsey ...																	
6	Pembroke ...	14·9	-8	SSW	4	bc	59	75	52	8	5	6	1	4-6	7-8	3000	0	3
7	Holyhead (Valley)	13·6	-6	S'W	6	c	59	85	55	8	8	7	8	4-6	9+	4000	0	4
	Chester (Sealand)	15·4	-4	SSE	1	c	55	85	51	6	-	3	2	0	9	-	0	*
8	Manchester ...	16·0	-4	SE	4	z_0	54	85	50	6	-	4	2	0	4-6	-	0	*
10	Spurn Head ...	17·4	-4	SSW	3	z_0	56	85	52	6	7	5	2	4-6	7-8	4000	0	3
	Catterick ...	15·5	+2	S	2	z_0	56	85	53	6	-	7	9	0	9+	-	.	*
	Tynemouth ...	14·8	-2	SW	2	z_0	57	92	54	6	5	-	-	9+	9+	2300	0	3
11	St. Abbs Head	11·2	0	SSW	3	$r_0 r_0$	57	92	54	7	5	2	-	4-6	10	2500	1	4
	Leuchars ...	10·5	0	SW	2	c	59	85	55	7	5	2	-	4-6	10	5000	0	*
12	Renfrew (Abbotsl.)	10·4	+2	SSW	2	c	59	85	54	7	5	2	-	7-8	10	2500	1	*
	Eskdalemuir ...	11·9	+2	SSW	4	$r_0 r_0$	56	97	55	6	5	-	-	10	10	300	1	*
	Point of Ayre ...	12·7	0	SW	3	c	59	85	54	8	5	7	7	Tr	10	1800	0	3
13A	Tiree	06·3	-6	S'W	4	c	58	92	56	7	5	-	-	9+	9+	2000	1	4
13B	Stornoway ...	07·0	+2	S	3	rr	54	97	54	7	5	2	-	9	10	1500	1	
15	Dalwhinnie ...	08·5	+4	SSW	3	c/r	55	97	54	7	5	1	-	7-8	10	1500	1	*
	Aberdeen † ...	09·7	-2	SSW	3	c	57	92	54	7	5	7	-	4-6	10	2500	1	2
	Wick ...	08·4	+10	S	1	c/d	54	97	54	9	5	7	-	Tr	10	500	1	*
16	Sumburgh ..	07·7	+16	SW'W	5	c	53	85	50	9	5	4	-	7-8	7-8	2500	1	4
17	Blacknod Point	04·1	-14	S	7	c	60	85	55	8	9	-	4	10	10	800	1	5
18	Malin Head ...	06·3	-14	S	3	c	57	92	55	8	6	-	-	7-8	7-8	1500	1	3
	Aldergrove ...	10·1	-6	S'E	3	id_0	57	92	54	8	5	2	-	4-6	10	1500	1	*
19	Birr Castle ...	09·1	-12	S	3	c	58	85	53	8	5	1	-	7-8	10	2500	1	*
20	Valentia Obsy.	07·5	-22	S	5	c/r	60	92	58	8	6	2	-	7-8	10	1500	1	4
	Roches Point	10·7	-14	SW	4	c	59	92	57	8	6	2	-	4-6	9+	1500	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F. (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 17th Hrs. (38)
1	London (Kew)	73	50	39	-	Tr	12·5
	Croydon ...	75	48	49	-	Tr	12·9
	S. Farnborough	74	44	35	Tr	-	12·0
	Boscombe Down	71	41	36	-	Tr	11·5
	Thorney Island	70	45	41	-	-	*
	Lympne ...	69	48	*	-	-	12·8
	Manston ...	70	53	44	-	-	12·5
2	Shoeburyness ...	71	47	37	-	-	12·8
	Felixstowe ...	71	54	43	-	-	12·0
	Gorleston ...	66	54	52	-	-	11·2
	Mildenhall ...	74	45	39	-	Tr	12·2
	Cranwell ...	*	45	39	-	-	11·4
3	Birmingham ...	70	50	38	-	-	10·3
	Upper Heyford	71	47	39	-	-	*
4	Ross-on-Wye	70	45	40	-	-	10·9
5	Hartland Point	63	48	48	-	-	10·3
	Bristol ...	69	47	37	-	-	10·7
	Portland Bill ...	62	56	*	-	-	*
	Plymouth ...	65	47	43	-	-	11·9
	The Lizard ...	66	53	*	-	-	11·7
	Scilly (St.Mary's)	67	56	*	-	-	9·4
	Guernsey ...						
6	Pembroke ...	64	57	*	Tr	-	9·2
7	Holyhead (Valley)	64	57	*	-	-	*
	Chester (Sealand)	65	51	43	-	-	7·3
8	Manchester ...	67	52	*	-	-	*
10	Spurn Head ...	72	54	*	-	-	10·7
	Catterick ...	68	54	52	-	-	4·4
	Tynemouth ...	68	57	*	-	-	*
11	St. Abbs Head	63	56	*	-	0·2	*
	Leuchars ...	62	58	55	Tr	Tr	0·0
12	Renfrew (Abbotsl.)	60	58	54	3	1	0·0
	Eskdalemuir ...	57	54	46	Tr	0·6	0·0
	Point of Ayre ...	69	57	*	-	-	*
13A	Tiree	58	55	*	4	5	0·0
13B	Stornoway ...	51	53	*	2	13	0·0
15	Dalwhinnie ...	59	52	51	-	5	0·0
	Aberdeen † ...	66	56	55	-	-	1·2
	Wick ...	61	52	50	0·5	0·1	*
16	Sumburgh ..	55	52	50	1	2	2·4
17	Blacknod Point	61	57	*	1	0·6	*
18	Malin Head ...	59	57	*	7	Tr	0·0
	Aldergrove ...	61	55	48	Tr	Tr	0·0
19	Birr Castle ...	64	57	55	-	0·1	0·3
20	Valentia Obsy.	64	58	56	-	0·6	0·3
	Roches Point	64	57	*	Tr	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

IIIC$_L$ C$_M$	wwVhN$_h$	DDFWN	C$_L$ C$_M$	wwVhN$_h$	DDFWN	C$_L$ C$_M$	wwVhN$_h$	DDFWN	C$_L$ C$_M$	wwVhN$_h$	DDFWN
109 52	02765	19168	52	22954	19368	52	61646	19168	52	61775	18268
115 52	62615	53568	52	62635	53568	52	66735	53468	52	62635	20368
203 6-	63838	49688	8-	02848	20568	5-	03948	16488			
206 52	62744	20268	52	22864	22368	5-	61865	20125	52	51755	14168
210 6-	61815	23468	62	62868	20368	5-	02967	18427	02	52548	00068
220 52	63626	19468	52	61734	19568						
230 5-	54528	51568	5-	58528	18358	52	61747	18368	57	02854	16265
245 5-	02658	20558	5-	02948	22458	52	02744	53327	52	02753	18228
260 5-	27818	20868	52	07560	20682	52	05655	53526	52	02854	20225
278 52	02847	18468	52	02847	19428	5-	05648	18328	57	62866	18368
279 57	02764	51728	57	02754	53628	52	02766	52568	57	02655	18527
285 27	01744	24625	27	02746	24527						
288 ·			56	02864	20226	04	00790	18303	07	02790	16427
575 8-	52736	20358	52	21745	56558	50	21845	51455	57	61846	49368
301 10	00862	21513	54	01964	19504	50	00753	20413	04	05690	15326
321 10	02762	21415	40	01753	22213				07	05690	16315
299 04	00790	22312	14	01763	20303	00	05690	00000	00	05590	20101
292 14	05663	21323	46	02765	20325	00	05690	19315	03	05590	14127
310 --	01636	24416	--	01634	24314				--	01634	20314
614 20	01764	22315	10	05663	20313	04	05690	00011	07	47390	00015

13h. G.M.T. 17th August ... 18h. G.M.T.				01h. G.M.T. 18th August ... 07h. G.M.T.			
IIIC$_L$ C$_M$	wwVhN$_h$	DDFWN	C$_L$ C$_M$	wwVhN$_h$	DDFWN	C$_L$ C$_M$	wwVhN$_h$	DDFWN
333 23	01744	18415	14	01841	18414	57	02743	19325	57	02844	18327
334									--	02645	24116
340 7-	02965	22425	54	01964	24214	54	00861	18202	53	01671	14214
136 00	01850	19312	00	01890	18201	09	05690	20103	00	05690	20104
326 60	01754	20415	50	01753	20414				53	01753	16314
350 00	00890	18216	00	00790	21201	03	05690	20202	03	05690	00015
368 10	00853	23413	10	02951	24407	04	01790	00014	50	05644	10316
379 10	01853	22313	04	00890	22402	00	00790	22112	50	05664	18215
390 00	00890	20101	00	00790	20100				00	08490	00000
382 10	00862	20302	00	00890	22301	00	00790	00010	00	05690	00044
438 00	05790	22303	44	01862	24313	00	00790	00000	54	02755	00016
430 00	00890	20103	00	00890	22202				00	00790	32104
409 14	00852	27313	44	01952	23315	53	02863	16115	58	01961	12214

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

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

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LONDON OBSERVATIONS

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

Stations	Weather. Morning	Weather. Afternoon	Weather. Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	bcby	by	bybw m	Kew 24 hours ended 7h. Max. Time 0·2 6-7h 18th. Min. Time 0·1 9-24h 17th.
Croydon ...	bcbcy	bcyby	bbcwbc	
Greenwich ...	by	by	bwby	
Camden Square ...	bc	b	*	
Kensington ...	b	bbz	*	
Hampstead ...				

Stations.	Temperature. Day Max °F	Temperature. Night Min °F	Temperature. Min on grass °F	Rainfall. Day mm	Rainfall. Night mm	Sunshine to sunset hrs	Humidity. 13h % Yesterday	Humidity. 9h % To-day
Kew ...	73	50	39	-	Tr	12·5	*	*
Croydon ...	75	48	49	-	Tr	12·9	*	*
Greenwich ...	76	50	34	-	Tr	12·5	35	49
Westminster ...	74	54	51	-	-		55	71
Regents Park ...	74	52	41	-	-		40	55
Camden Square ...	75	53	47	-	-	*	*	61
Kensington ...	75	57	41	-	-		47	63
Hampstead ...							*	

SECRET

Page 1

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

Wednesday 19th August 1942 — No. 29490

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

District	Stations (For heights see p. 4)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	14.6	-22	SSW	3	b	69	65	56	8	-	-	-	1	1	2500
	Croydon ...	15.1	-14	S'E	1	b	76	55	62	8	1	-	-	1	1	3000
	S. Farnborough	14.4	-18	SE	2	bc	77	58	59	8	1	5	-	1	4-6	7200
	Boscombe Down	14.4	-34	S'E	4	c	72	65	57	8	5	3	8	1	7-8	5000
	Thorney Island	15.1	-10	S	3	b	73	55	54	9	2	3	1	Tr	1	4000
	Lympne ...	16.4	-16	SE	2	b	73	55	59	7	1	-	-	Tr	Tr	4000
	Manston ...	16.2	-10	-	0	b	75	65	61	7	-	-	-	0	0	-
2	Shoeburyness ...	15.9	-18	SE	2	b	73	55	55	7	-	-	1	0	Tr	-
	Felixstowe ...	16.7	-10	ESE	2	b	71	65	57	8	-	-	1	0	Tr	-
	Gorleston ...	17.5	-14	SSE	3	b	65	75	57	7	-	-	-	0	0	-
	Mildenhall ...	12.8	-18	S	2	bc	79	35	43	8	-	-	1	0	2-3	-
	Cranwell ...	14.0	-14	SSE	3	bc	73	45	51	8	-	-	2	0	4-6	-
	Birmingham ...	13.3	-18	S	3	c	70	55	53	8	8	-	5	7-8	9	2500
	Upper Heyford	14.4	-22	S	3	bc	75	55	57	8	-	4	5	6	2-3	-
4	Ross-on-Wye	13.6	-20	SW	3	c	65	65	52	8	5	-	-	10	10	4000
5	Hartland Point	12.4	-20	SW	2	c	62	85	56	8	8	-	-	9+	9+	2600
	Bristol ...	14.1	-20	S'W	2	c	70	75	60	8	7	9	-	4-6	9	5700
	Portland Bill ...	14.5	-18	E	2	bc	63	85	58	8	5	-	-	4-6	4-6	4000
	Plymouth ...	13.7	-16	SE	2	c	68	75	56	8	7	-	-	9+	9+	2500
	The Lizard ...	13.5	-14	SE	3	c	63	73	56	8	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	12.2	-20	S'W	4	c	62	75	53	8	8	-	-	9+	9+	1200
	Guernsey ...															
6	Pembroke ...	12.2	-18	S'W	5	c	62	75	52	8	8	4	-	4-6	7-8	3000
7	Holyhead (Valley)	11.0	-14	S	6	c	66	65	53	8	2	4	5	2-3	7-8	4000
	Chester (Sealand)	12.2	-22	SSE	3	c	68	53	50	8	2	-	2	2-3	9+	4000
8	Manchester ...	12.8	-22	S	4	c	67	55	50	7	-	4	2	0	7-8	-
10	Spurn Head ...	14.9	-14	SE	4	c	63	75	55	7	7	7	3	4-6	7-8	4000
	Catterick ...	12.9	-16	SSW	3	2o	65	65	50	6	-	7	7	0	10	-
	Tynemouth ...	13.2	-8	SW	4	c	65	75	55	6	8	3	-	4-6	7-8	2400
11	St. Abbs Head	11.0	+2	S	4	c	61	75	52	7	5	2	-	7-8	10	2500
	Leuchars ...	10.7	-2	S	4	c	66	75	57	7	8	7	6	4-6	9+	3200
12	Renfrew (Abbotsl.)	08.9	-14	SSW	4	c	63	65	53	8	8	2	-	7-8	10	1800
	Eskdalemuir ...	10.8	-10	SSW	5	c	58	85	52	8	8	7	-	7-8	10	1200
	Point of Ayre ...	10.8	-14	SW'S	5	c	62	75	55	8	8	7	6	1	9+	1800
13A	Tiree	04.5	-14	S	6	id$_o$	59	92	56	7	5	-	-	9+	9+	2000
13B	Stornoway ...	03.5	-14	S	4	dd	55	97	55	6	5	1	-	7-8	10	1000
	Dalwhinnie ...	07.0	-6	S	3	o	56	75	50	7	5	-	-	10	10	2500
	Aberdeen ...	09.9	-6	S'E	3	c	63	85	58	7	5	7	-	2-3	10	2600
	Wick ...	07.9	-4	SE	2	c	61	92	57	7	5	7	2	2-3	7-8	2000
16	Sumburgh ...	09.5	+6	SE'S	3	$_to_o$	56	97	54	8	5	2	-	9	10	3500
17	Blacksod Point	09.1	-22	S	7	$_to_o$	60	92	66	7	6	2	-	4-6	10	800
18	Malin Head ...	02.8	-26	S	5	9+	61	85	56	8	6	2	-	7-8	10	2600
	Aldergrove ...	07.3	-16	SSE	4	c	60	85	54	8	5	2	-	9+	10	1500
19	Birr Castle ...	99.1	-20	SSW	5	c	63	75	55	8	8	7	-	7-8	9	1500
20	Valentia Obsy.	02.8	-30	S'E	6	ir$_o$	61	85	56	8	5	7	-	5	10	2600
	Roches Point	05.5	-18	S'W	5	c	62	75	56	8	5	1	-	7-8	9+	2500

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

District	Stations (For heights see p. 4)	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	11.5	-14	S'W	3	b	77	55	61	8	1	-	-	Tr	Tr	2500	0	•
	Croydon ...	11.9	-14	S	2	b	77	65	63	8	1	-	-	Tr	Tr	3500	0	•
	S. Farnborough	10.9	-20	SSE	3	bc	75	65	62	8	-	4	-	0	1	-	0	•
	Boscombe Down	11.4	-16	SSE	3	bc	70	75	61	7	-	3	-	0	2-3	-	0	•
	Thorney Island	11.7	-14	ESE	3	b	71	65	57	8	-	-	1	0	Tr	-	0	•
	Lympne ...	13.3	-14	ESE	1	b	72	75	65	7	-	-	-	0	0	-	0	•
	Manston ...	12.5	-14	E	1	2o	70	85	64	6	-	3	-	0	2-3	-	0	§ 2
2	Shoeburyness ...	12.9	-18	SE	3	b	67	85	62	7	-	-	-	0	0	-	0	•
	Felixstowe ...	13.5	-18	ENE	2	b	67	85	62	8	-	-	-	0	0	-	0	2
	Gorleston ...	14.1	-18	SSE	2	2o	65	83	61	6	-	-	-	0	0	-	0	2
	Mildenhall ...	11.5	-18	SSE	4	b	77	55	60	8	-	-	-	0	0	-	0	•
	Cranwell ...	10.0	-18	S	3	bc	75	55	56	8	1	8	2	Tr	4-6	5000	0	•
	Birmingham ...	08.5	-24	SSE	3	c	74	65	62	8	8	8	2	4-6	7-8	4000	0	•
	Upper Heyford	10.9	-10	SSW	3	bc	75	55	60	8	4	3	1	1	4-6	3500	0	•
4	Ross-on-Wye	09.3	-26	S	3	c	71	75	60	8	5	7	3	2-3	7-8	3500	0	•
5	Hartland Point	08.6	-20	S	4	c	63	85	58	8	8	4	-	4-6	7-8	2000	0	3
	Bristol ...	10.8	-10	S'E	2	c	70	75	59	8	-	9	7	-	7-8	-	0	•
	Portland Bill ...	11.2	-18	E	2	bc	62	85	59	8	5	4	-	4-6	7-8	4000	1	2
	Plymouth ...	10.5	-20	S	2	c	61	85	59	8	5	3	-	4-6	7-8	6000	0	2
	The Lizard ...	09.7	-16	SSE	4	c	62	85	57	8	8	6	-	7-8	7-8	2000	0	4
	Scilly (St. Mary's)	08.4	-22	S	4	c	62	75	55	8	8	-	-	10	10	1200	0	3
	Guernsey ...																	
6	Pembroke ...	08.0	-20	S'W	6	d$_o$d$_o$	58	82	53	7	8	-	-	10	10	2500	0	4
7	Holyhead (Valley)	07.1	-22	S	6	c	61	85	56	8	5	7	-	4-6	10	1000	0	5
	Chester (Sealand)	08.8	-16	SSE	2	c	68	65	57	7	5	4	6	2-3	9	4000	0	•
8	Manchester ...	08.8	-24	S'E	3	c	60	65	57	7	4	3	1	4-6	7-8	4000	0	•
10	Spurn Head ...	11.2	-10	SE	4	c	63	85	60	7	1	4	1	2-3	4-6	4000	0	3
	Catterick ...	09.0	-14	S	3	2o	70	65	57	6	5	7	7	4-6	9+	2600	0	•
	Tynemouth ...	10.1	-18	SE	3	c	59	92	57	6	5	-	-	7-8	7-8	2800	0	3
11	St. Abbs Head	08.6	-12	-	0	c	60	75	52	7	5	4	-	7-8	7-8	3500	0	1
	Leuchars ...	07.6	-14	S	2	c/r	61	85	56	8	5	7	6	2-3	9+	4500	1	•
12	Renfrew (Abbotsl.)	06.6	-14	SSW	1	c/r	60	75	51	8	5	1	-	7-8	10	2500	1	•
	Eskdalemuir ...	07.5	-20	SW'S	3	c	58	75	50	8	-	7	4	0	7-8	-	1	•
	Point of Ayre ...	07.1	-24	SW'W	4	c	61	75	52	8	8	7	6	4-6	9+	2000		3
13A	Tiree	00.9	-12	SSE	6	c	57	92	55	7	5	7	-	7-8	9	1800	1	5
13B	Stornoway ...	00.9	-8	S	6	dd$_o$	56	97	55	6	5	2	-	7-8	10	1000	1	4
	Dalwhinnie ...	05.2	-16	SSW	3	c	56	75	48	7	5	-	2	7-8	9+	2500	0	•
	Aberdeen ...	07.4	-12	SSW	5	c	58	85	52	7	5	7	-	Tr	10	2000	0	4
	Wick ...	05.5	-16	S'E	2	ir$_o$	57	97	56	7	5	7	-	4-6	10	3000	0	•
16	Sumburgh ...	06.8	-14	SE'S	4	x$_o$	56	92	54	6	5	7	-	7-8	9+	2000	1	2
17	Blacksod Point	94.1	-34	S	7	RR	58	92	56	6	6	2	-	7-8	10	800	2	6
18	Malin Head ...	98.7	-22	SSE	5	c	61	75	53	8	8	2	-	7-8	10	2500	1	4
	Aldergrove ...	03.7	-18	SE'S	3	c	58	75	52	8	5	7	8	7-8	9	2500	1	•
19	Birr Castle ...	01.0	-26	S	5	c	61	75	53	8	8	2	-	7-8	9	1500	1	•
20	Valentia Obsy.	96.7	-32	S	5	r+	60	97	59	6	6	2	-	9	10	800	1	4
	Roches Point	01.5	-30	S	6	r+	59	92	57	6	6	2	-	4-6	10	800	1	5

PAST 24 HOURS. — WEATHER.

District	Stations (For heights see p. 4)	7h.—13h. 18th (39)	13h.—18h. 18th (40)	18h.–1h. 18th to 1h. 19th (41)	1h. –7h. 19th (42)
1	London (Kew)	byb	bbcby	bybbw.	bcprbc
	Croydon ...	bcb	bcybyb	b	bbcbbc
	S. Farnborough	cm$_o$bbcy	bcbyb	bbcciro$_o$	cbbcm$_o$bc
	Boscombe Down	o+bcc	cbc	cprbcm$_o$	bcfbcm$_o$
	Thorney Island	bcm$_o$by	byb	bpr$_o$bcm$_o$	bbccm$_o$
	Lympne ...	bcyby	byb	bm$_o$w	bm$_o$wbc
	Manston ...	b	bz$_o$m$_o$	bbcbm$_o$	bcm$_o$cz$_o$
2	Shoeburyness ...	cmbcm$_o$by	byb	cw	bm$_o$c
	Felixstowe ...	bm$_o$b	b	bbm$_o$	bmwbcm$_o$
	Gorleston ...	bc2$_o$b	bm$_o$	bw$_o$	bwbcczo
	Mildenhall ...	bcy	bcyby	brgbm$_o$w	bcm$_o$wbc
	Cranwell ...	cbcy	bcy	bcbbc	bccm$_o$
	Birmingham ...	bcc	cbcc	c	c
	Upper Heyford	bcm$_o$bc	bcy	bcyc	bctlm$_o$
4	Ross-on-Wye	bcc	bcbc	c	c
5	Hartland Point	bcc	c	bbc	bccirrr
	Bristol ...	c	cbcc	ccm$_o$bcm$_o$cbc,b	
	Portland Bill ...	cbc	bcc	bc	co
	Plymouth ...	c	c	cbcc	cr$_o$r$_o$m$_o$
	The Lizard ...	c	cbcc	cpr$_o$c	corrc
	Scilly (St. Mary's)	cbcc	c	corr	oir$_o$c
	Guernsey ...				
6	Pembroke ...	bcc	cd$_o$d$_o$q	crrq	qrrm$_o$c
7	Holyhead (Valley)	c	c	c	orrm$_o$
	Chester (Sealand)	ccy	bybcc	cbcm$_o$	bcm$_o$c
8	Manchester ...	bcm$_o$c	cyc	cbcz$_o$	bcz$_o$
10	Spurn Head ...	c	bc	bc	cz$_o$
	Catterick ...	cm$_o$cz$_o$y	cz$_o$ycz$_o$	cm$_o$bcm$_o$	epr$_o$m$_o$m
	Tynemouth ...	cm$_o$c	c	cbc	bcc
11	St. Abbs Head	o+r$_o$	cm$_o$	cm$_o$c	cbcm$_o$c
	Leuchars ...	cpr$_o$	ccir$_o$	cbcm$_o$	bccm$_o$cw
12	Renfrew (Abbotsl.)	cpr$_o$cm$_o$c	cir$_o$c	cr$_o$r$_o$c	ccm$_o$r$_o$r$_o$
	Eskdalemuir ...	cr$_o$r$_o$	c	c	cd$_o$d$_o$
	Point of Ayre ...	irc	c	cbcc	crrr$_o$r$_o$
13A	Tiree	+ir$_o$	cir	cr$_o$r$_o$	r$_o$r$_o$m$_o$c
13B	Stornoway ...	c+rdd	cd$_o$d$_o$	cpr$_o$	cpr$_o$
	Dalwhinnie ...	opr$_o$po	oc		co
	Aberdeen ...	c	c	bcbcwbc	cir$_o$bc
	Wick ...	c	cm$_o$c	cir$_o$bc	bccm$_o$
16	Sumburgh ...	cir$_o$r$_o$r$_o$	cr$_o$r$_o$cm$_o$	cbcm$_o$	bccm$_o$
17	Blacksod Point	+	+	pr	pr
18	Malin Head ...	+	+	r	pr
	Aldergrove ...	cid$_o$r$_o$r$_o$c	c	cir$_o$	c
19	Birr Castle ...	pr	c		pr
20	Valentia Obsy.	+	+	pr	pr
	Roches Point	+	+	r	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 18th August 1942

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light or moderate Southwest wind; cloudy, occasional rain and local thunder at first, fine periods but local showers tomorrow; rather warm today becoming cooler but temperature still near average.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ...	Light or moderate South to West wind, variable cloud, occasional showers, local thunder, bright periods; average temperature
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 or fresh South to Southwest wind, bright periods, showers, local thunder; average temperature.
14 Mid Scotland 15 N.E. Scotland	Moderate or fresh South to Southwest wind; cloudy occasional rain; average temperature.
16 Orkneys and Shetlands	As 14-15.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 5-9.

GENERAL INFERENCE

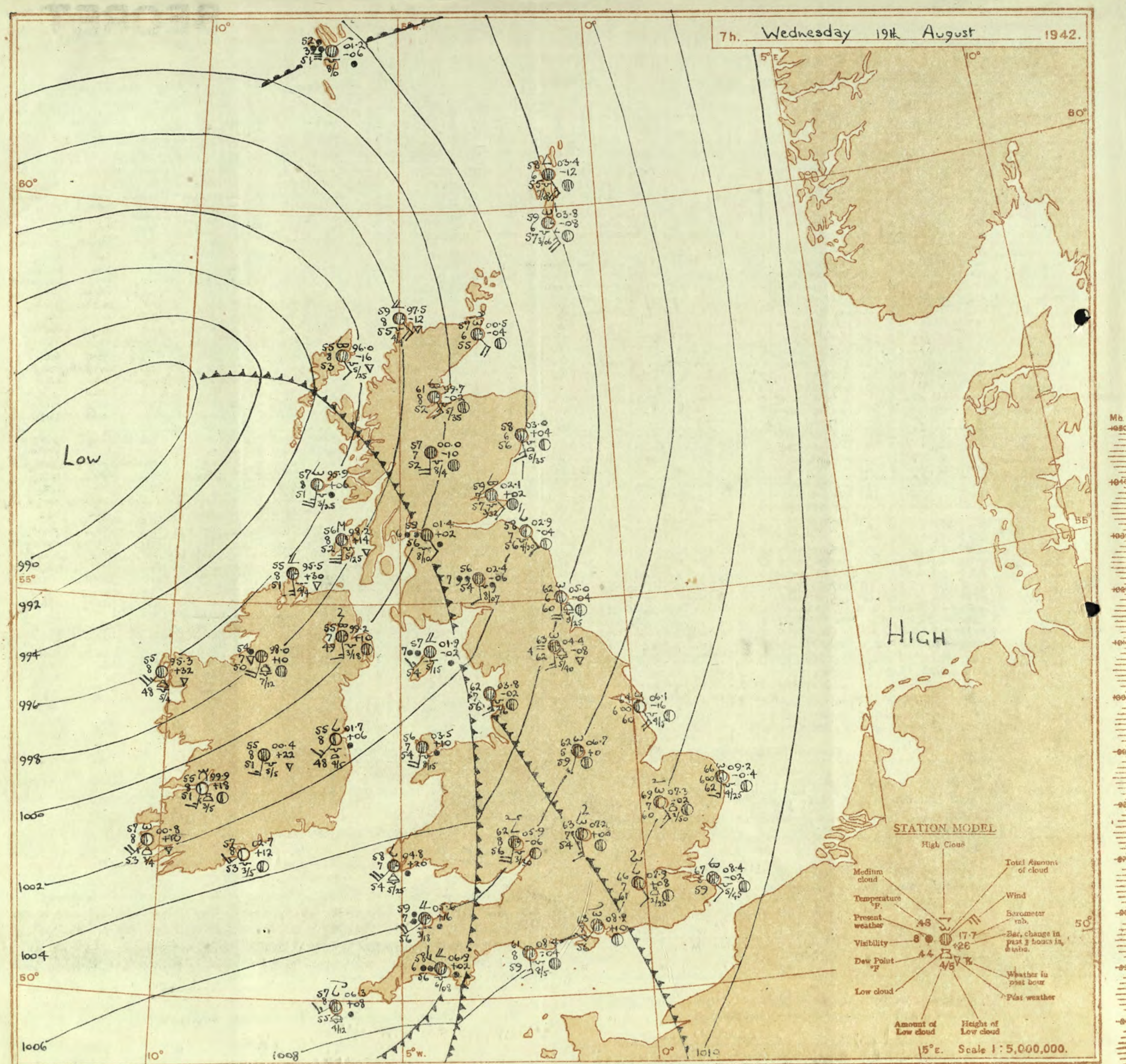
A depression off Northwest Ireland is moving slowly northeast and becoming less deep. A feeble trough of low pressure over West Scotland and West England will move east. A belt of low cloud with rain and local thunder will move east across England and Scotland this afternoon and evening, and will be followed by mainly fair conditions tonight; bright intervals and showers tomorrow. It will become cooler than of late.

FURTHER OUTLOOK

Occasional showers with thunder locally, but also bright periods.

Forecasts issued at 10.30

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Wednesday 19th August

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

Page 4. BRITISH SECTION

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

Wednesday 19th August, 1942

No. 29490

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	66	*	*	*	*	*	*	*	*	*
	Croydon	290	08·8	-26	S	3	b	69	85	63	6	5	–	–	Tr	Tr	6000
	S. Farnborough	226	08·3	-20	SSE	3	ir_0	67	85	62	6	5	7	–	4-6	9	1600
	Boscombe Down	417	09·5	-8	—	0	z_0	61	92	60	6	5	–	–	4-6	4-6	3000
	Thorney Island	10	08·8	-20	E'S	3	z_0	66	85	63	5	5	–	–	2-3	2-3	7200
	Lympne	283	11·2	-16	E	1	z_0	64	85	61	6	–	–	–	0	0	–
	Manston	154	10·2	-18	SE'S	2	z_0	63	92	62	5	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	10·3	-20	E	1	z_0	65	92	62	5	–	–	–	0	0	–
	Gorleston	5	11·6	-16	S	2	b	64	85	59	6	–	–	–	0	0	–
	Mildenhall	15	09·5	-18	SE	2	z_0	62	97	60	5	–	–	–	0	0	–
	Cranwell	203	08·2	-14	SE'S	4	bc	64	92	61	7	–	3	–	0	4-6	–
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	08·2	-20	SSE	1	bc	66	85	61	7	–	3	6	0	4-6	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	06·3	-16	S	4	bc	58	92	55	8	–	4	–	0	2-3	*
	Bristol	209	08·9	-12	SSW	3	bc	62	85	57	7	5	–	–	4-6	4-6	4800
	Portland Bill	32	09·3	-10	E	2	bc	60	85	56	8	5	–	–	4-6	4-6	4000
	Plymouth	82	08·4	-14	SSE	1	c	60	85	56	8	5	7	–	1	7-8	4000
	The Lizard	240	06·9	-16	S'W	5	c/pr	60	92	58	7	8	2	–	7-8	10	1500
	Scilly (St. Mary's)	163	04·8	-20	S	5	rr	60	97	60	5	6	–	–	10	10	800
	Guernsey	175															
6	Pembroke	142	04·4	-20	SSE	7	rr	60	92	58	7	8	7	–	10	10	1500
7	Holyhead (Valley)	32	03·7	-22	S'E	7	c	61	75	54	7	5	7	–	9	10	2800
	Chester (Sealand)	16	01·8	-18	SSE	3	bc	64	75	55	6	1	4	–	2-3	4-6	4000
8	Manchester	235	06·4	-10	S'E	4	z_0	67	75	60	6	5	–	–	4-6	4-6	4000
10	Spurn Head	29	08·7	-16	SSE	4	bc	62	92	60	7	1	–	–	4-6	4-6	4000
	Catterick	175	06·7	-10	S	1	z_0	65	85	60	6	5	3	–	2-3	4-6	4500
	Tynemouth	108	06·7	-14	S	5	bc	61	92	58	6	5	–	–	4-6	4-6	2500
11	St. Abbs Head	280	04·1	-4	SE	3	c	56	85	54	7	5	4	–	7-8	9	2500
	Leuchars	36	03·8	-20	ESE	2	z_0	56	97	55	6	5	–	–	4-6	4-6	2500
12	Renfrew (Abbots I.)	19	02·9	-20	S'E	2	c/r	59	85	55	7	5	7	–	9	10	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	03·0	-12	SSW	6	c	59	85	54	8	9	7	–	7-8	9+	4000
13A	Tiree	22	97·2	-18	SSE	6	r_0r_0	56	92	53	6	5	–	–	10	10	1500
13B	Stornoway	80	98·4	-18	SSE	5	c/pr	56	85	51	7	5	7	–	7-8	10	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	04·1	-24	S	4	bc	56	97	54	8	5	–	5	4-6	4-6	3000
	Wick	114	03·1	-18	SE	4	bc	55	97	54	8	5	3	–	4-6	4-6	3000
16	Sumburgh	19	06·2	-2	S	4	bc	55	92	53	6	5	7	–	Tr	4-6	800
17	Blacksod Point	18	91·8	-8	S	6	PR	56	92	54	8	9	–	–	9	9	1500
18	Malin Head	84	94·9	-14	S'E	3	c/d	57	92	55	8	8	2	–	7-8	10	2500
	Aldergrove	268	98·6	-26	SE'S	4	ir_0	57	92	54	7	6	2	–	9	10	1200
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
20	Valentia Obsy.	30	98·9	+6	SW	5	z_0	56	85	51	8	8	–	–	7-8	7-8	2500
	Roches Point	22	00·7	+10	WSW	5	bc	57	92	55	8	3	–	–	2-3	2-3	1500

OBSERVATIONS at 7 hr. G.M.T. 19th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 18th Hrs. (38)
London (Kew)	08·2	-8	SW'S	2	z_0	65	85	61	6	2	4	3	1	7-8	2500	0	*	79	64	57	–	Tr	11·0
Croydon	07·9	+8	SSE	2	bc	66	85	61	7	2	4	9	1	7-8	2500	0	*	81	64	59	–	–	12·9
S. Farnborough	08·2	+14	SW	3	c	64	85	58	7	–	5	2	0	7-8	–	1	*	80	62	55	–	Tr	12·1
Boscombe Down	08·3	+2	S'W	4	c	59	85	56	7	5	3	6	1	7-8	3500	0	*	75	56		–	0·6	8·3
Thorney Island	08·9	+10	SW	3	c	63	75	56	7	–	3	1	0	9+	–	0	*	75	61	54	–	Tr	*
Lympne	09·8	+2	SSE	1	ir_0	64	85	61	6	5	7	–	4-6	9+	4000	0	§1	77	63	*	–	Tr	12·4
Manston	08·4	-2	SSE	2	z_0	67	75	59	5	5	7	–	7-8	9	4500	0	*	76	63	58	–	–	12·3
Shoeburyness	08·6	-2	S	2	c	66	85	61	7	5	7	9	2-3	9+	4500	1	*	74	61	53	–	–	11·5
Felixstowe	08·1	-6	SE'S	3	z_0	67	85	62	6	1	7	–	Tr	9	4000	0	1	72	63	56	–	–	12·5
Gorleston	09·2	-4	S	3	z_0	66	85	62	6	5	3	–	4-6	7-8	2500	0	3	67	62	60	–	–	12·6
Mildenhall	07·3	-2	S'E	3	bc	69	75	60	7	2	3	5	1	4-6	5000	0	*	81	60	56	–	Tr	11·9
Cranwell	06·4	-8	S'E	2	z_0	63	92	61	5	8	7	1	4-6	7-8	3000	0	*	*	60	58	–	–	11·4
Birmingham	06·1	0	S	3	c	61	75	53	7	–	4	7	0	9+	–	0	*	74	54	54	–	–	9·1
Upper Heyford	07·2	0	S	3	c	63	75	54	7	–	5	6	0	7-8	–	0	*	77	61	57	–	–	*
Ross-on-Wye	05·9	-6	S'W	4	c	62	85	56	8	5	1	7	2-3	9+	3000	0	*	73	59	55	–	–	7·0
Hartland Point	05·6	+16	WSW	4	ir	59	92	56	7	6	2	–	2-3	9+	1800	1	4	66	57	56	–	2	2·8
Bristol	07·4	-4	S	2	c	61	85	57	9	8	2	–	9	10	1500	0	*	74	57	49	–	–	7·2
Portland Bill	08·4	-4	S	3	o	61	92	59	8	5	–	–	10	10	2500	1	2	63	57	*	–	–	*
Plymouth	06·9	+2	NW	3	r_0r_0	58	92	56	6	5	2	–	9	10	800	1	3	67	58	55	–	5	1·4
The Lizard	07·7	+18	WNW	3	c/r	52	97	51	8	8	2	–	9	10	1000	1	4	64	53	*	–	7	5·5
Scilly (St. Mary's)	06·3	+8	W'S	3	c	57	92	55	8	8	4	3	4-6	7-8	1200	1	3	56	56	*	–	6	7·3
Guernsey																							
Pembroke	04·8	+20	SW	5	c/r	58	92	54	7	8	4	–	7-8	9	2500	1	4	62	53	*	Tr	10	9·4
Holyhead (Valley)	03·5	+10	SSW	4	c/r	56	92	54	7	5	–	–	10	10	1500	1	3	67	55	54	–	6	*
Chester (Sealand)	04·3	-2	SE	3	c	61	75	54	7	5	7	6	4-6	10	3500	0	*	72	61	53	–	–	8·6
Manchester	04·8	-6	S'E	4	bc	62	75	54	6	–	3	2	0	7-8	–	0	*	70	62	59	–	–	*
Spurn Head	06·1	-16	SSE	4	z_0	64	85	60	6	5	3	–	4-6	4-6	2500	0	3	67	61	*	–	–	11·9
Catterick	04·4	-8	S	3	m	63	97	62	4	8	3	–	7-8	9+	4000	1	*	54	61	57	–	Tr	6·9
Tynemouth	05·0	-4	S	4	c	62	97	60	6	8	3	–	7-8	7-8	2500	0	3	68	58	*	–	–	*
St. Abbs Head	02·9	-4	SE	2	c	58	92	56	7	5	4	–	4-6	7-8	3000	0	1	65	55	*	0·1	–	*
Leuchars	02·1	+2	SE	2	c	59	92	57	7	5	7	–	2-3	10	3200	0	*	66	54	47	Tr	–	0·6
Renfrew (Abbots I.)	01·4	+2	SE'S	2	r_0r_0	59	92	56	6	5	–	–	10	10	1000	1	*	63	57	54	Tr	3	0·9
Eskdalemuir	02·4	-6	S	2	d_0d_0	56	92	54	7	5	–	–	10	10	700	1	*	61	48	44	0·3	0·1	0·5
Point of Ayre	01·9	-2	SW'W	3	r_0r_0	57	92	54	7	6	2	–	7-8	10	1500	1	3	64	56	*	Tr	2	0·8
Tiree	96·2	+10	S	6	c	56	85	52	7	5	4	–	7-8	7-8	2500	1		59	55	*	2	6	0·0
Stornoway	96·0	-16	SSE	2	c	55	92	53	8	5	7	–	7-8	10	2500	1	2	57	55	*	4	0·1	0·0
Dalwhinnie	00·0	-10	S	4	o	57	85	52	7	5	–	–	10	10	1500	0	*	59	53	48	Tr	–	0·3
Aberdeen †	03·0	+4	S	3	z_0	58	92	56	6	7	–	6	7-8	7-8	3500	1	3	63	55	50	–	Tr	0·3
Wick	00·5	-4	SE	4	c	57	97	55	6	–	3	2	0	9+	–	0	*	62	53	51	0·2	Tr	*
Sumburgh	03·8	-8	SE'S	5	c	59	92	57	6	5	3	–	2-3	9+	600	1	4	58	54	51	0·2	–	1·4
Blacksod Point	95·3	+32	SW	5	bc	55	75	48	8	8	–	–	7-8	7-8	1500	1	4	62	54	*	13	3	
Malin Head	95·5	+30	SSE	3	c	55	85	50	8	6	2	–	4-6	9	1500	1	3	62	54		0·1	1	0·0
Aldergrove	99·2	+10	S	3	c	55	85	49	7	5	7	6	2-3	9+	1800	1	*	61	53	48	0·2	1	0·2
Birr Castle	00·4	+22	SSW	3	c	55	85	51	8	5	–	–	7-8	7-8	2500	1	*	65	52	49	0·2	5	1·6
Valentia Obsy.	00·8	+10	SW	4	bc/pr	57	85	52	8	2	–	1	2-3	2-3	1500	1	4	61	54	49	18	2	0·0
Roches Point	02·7	+12	WSW	3	bc	57	85	52	8	5	–	–	2-3	2-3	2500	1	4	62	56	*	2	14	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 18th August 18h. G.M.T. — 01h. G.M.T. 19th August 07h. G.M.T.

III	13h. $C_L C_M$	13h. $wwVhN_h$	13h. DDFWN	18h. $C_L C_M$	18h. $wwVhN_h$	18h. DDFWN	01h. $C_L C_M$	01h. $wwVhN_h$	01h. DDFWN	07h. $C_L C_M$	07h. $wwVhN_h$	07h. DDFWN
109	57	22731	12368	57	61654	45425	07	00790	45523	57	05675	45518
115	52	02845	12228	52	81845	12288	52	02845	12288	52	02844	12487
203				8-	02847	16427	5-	02948	12328			
206	57	02864	55556	57	02965	21368	52	02866	43428	57	02865	14327
210	83	01763	15314	57	22864	11368	57	02778	11328	09	02890	47527
220				62	64426	16568				57	01744	15565
230	57	61855	16227	52	22956	17267	5-	02858	22328	54	22945	18366
245	23	02753	17368	27	62864	17368	5-	05677	00017	54	02761	16216
260	52	02756	18328	57	02863	18267	50	05654	00014	57	02854	16326
278	57	02864	47457	57	02864	47427	5-	62748	44468	07	02890	14367
279	54	61855	19525	57	02765	20267	50	01764	00014	58	52755	14257
285	27	02744	20327									
288	03	05690	18426	53	05652	14226	53	05663	47414	36	05664	14415
575	52	61846	51468	57	61745	47468	52	22746	49568	8-	81747	18427
301	2-	02766	18416	77	02744	18417	50	05653	18313	57	02762	16328
321	00	01890	51425	48	02873	16215	53	02774	15315	83	05664	16395
299	57	05664	20215				50	01764	16514	5-	81665	16285
292	10	05664	17327	58	05673	16527	5-	05676	14226	58	05565	12227
310	--	01674	20414	--	01626	16416				--	01636	16516
614	0	05662	18115	53	02764	16225	08	81590	16115	03	05590	18126
333	23	02951	17426	52	02864	16428	5-	02768	51628	5-	52638	19368
334	--	05673	26214	--	13647	26328						
340	43	02862	18327	53	02864	15315	57	01765	16424	57	02863	15318
136	00	01890	16314	10	00861	16212	00	05590	11300	55	056*4	14216
336	50	02755	16416	53	02757	16416	07	05690	18265	62	62526	20338
350	09	00890	1630-	14	01863	14315	03	05690	12403	83	02773	19326
368	57	02342	10228	57	02962	10127	57	02765	00026	62	64646	14168
379	50	01963	16414	03	02890	18525	27	25644	16385	07	02890	22325
390				00	00790	16300	00	08490	10100	83	05672	16315
382	53	01874	15304	03	02890	16325	07	05690	18265	04	02890	19226
438	00	00890	07100	00	05690	04300	00	01690	12213	54	02653	24415
430				00	00890	10200	86	25675	10285	57	41774	22347
400	54	02956	16427	53	02954	17526	52	62644	16568	52	22746	19368

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

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

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LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	byb	bbc byw	bcpr bc
Croydon	b	bcybyb	bbcbbc
Greenwich	by	bbcy	bwbcy
Camden Square	b	b	*
Kensington	bzbc	bcbz	*
Hampstead	bc	b	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0·2 Time 7-8h 18th. Min. 0·1 Time Rest of period.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	79	64	57	–	Tr	11·0	*	*
Croydon	81	64	59	–	–	12·9	*	*
Greenwich	83	63	51	–	Tr	12·2	49	53
Westminster	80	58	58	–	–		63	71
Regents Park	81	64	54	–	–		52	57
Camden Square	82	63	57	–	–	*	*	60
Kensington	82	65	55	–	–		52	59
Hampstead	80	61	57	–	–		*	69

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

SECRET

Thursday 20th August 1942

No. 2949

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	°/o Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	08·7	-2	SSW	4	c	70	65	57	8	1	3	6	4-6	9	2500
	Croydon ...	08·9	-2	SSW	3	p†	72	65	58	8	1	5	2	1	7-8	3000
	S. Farnborough	09·0	0	SSW	4	c	70	75	59	8	7	7	1	7-8	9†	1800
	Boscombe Down	38·8	+2	S'W	4	r₀r₀	63	92	62	7	6	-	-	10	10	1400
	Thorney Island	09·5	+2	S	3	c	67	85	61	9	7	3	-	7-8	9†	4000
	Lympne ...	11·1	+6	WSW	2	c	71	55	56	8	1	3	6	1†	7-8	4000
	Manston ...	10·1	+4	SW	3	bc	77	55	59	8	1	-	6	1	4-6	3500
2	Shoeburyness ...	08·7	-2	SW	3	p†	76	85	70	8	7	7	9	T†	7-8	3500
	Felixstowe ...	08·6	-4	SSW	4	bc	78	55	63	7	1	4	2	4-6	7-8	4000
	Gorleston ...	07·8	-4	S'E	4	z₀	67	85	63	8	2	7	-	2-3	4-6	1600
	Mildenhall ...	07·6	+2	SSW	4	bc	78	45	55	8	1	3	9	2-3	7-8	4000
	Cranwell ...	06·8	+4	SW'W	4	c	70	65	56	8	3	7	-	7-8	9†	3000
3	Birmingham ...	07·8	+4	WSW	2	r₀	62	85	57	8	6	7	-	9	10	1500
	Upper Heyford	08·1	+4	S'W	3	r†	64	92	61	8	5	2	-	4-6	9†	1000
4	Ross-on-Wye	07·8	+6	S	2	c/†	59	92	57	7	5	7	-	2-3	9†	2000
5	Hartland Point	08·0	+6	WSW	3	c	61	85	55	8	2	4	-	1	9	1500
	Bristol ...	08·9	+6	-	0	r†	58	97	57	5	6	2	-	9	10	800
	Portland Bill ...	09·0	+2	S	2	r†	61	92	59	7	5	-	-	10	10	800
	Plymouth ...	08·5	+6	SW	1	c	63	85	56	8	8	7	7	7-8	9†	2000
	The Lizard ...	09·2	+12	WNW	2	c	63	85	58	8	8	6	-	7-8	7-8	2000
	Scilly (St. Mary's)	08·9	+10	SW	3	r₀	62	85	57	8	8	7	-	4-6	9†	1200
	Guernsey ...															
6	Pembroke ...	07·4	+6	SSW	4	c	61	75	54	7	2	6	1	2-3	7-8	2500
7	Holyhead (Valley)	06·0	+12	S	6	c	63	75	56	8	2	-	8	T†	9	3000
	Chester (Sealand)	06·0	+4	SW	2	c	70	45	49	3	2	-	-	4-6	9	4000
8	Manchester ...	07·2	+14	SW	3	c/†	63	75	56	8	2	7	-	4-6	9	2500
10	Spurn Head ...	06·8	0	SW	3	c	73	75	66	7	1	6	9	2-3	7-8	2500
	Catterick ...	06·7	+22	WSW	3	r₀r₀	61	85	56	6	5	2	-	2-3	10	4000
	Tynemouth ...	05·1	+10	SW	4	c	69	75	63	7	8	3	1	4-6	7-8	2500
11	St. Abbs Head	03·4	+4	SSW	4	c	62	75	55	8	5	4	-	9	9†	3500
	Leuchars ...	03·3	+14	S W	3	c/†	59	92	57	7	8	7	8	4-6	9†	3000
12	Renfrew (Abbotsl.)	03·0	+8	SW	3	z₀	63	75	53	7	5	3	-	9+	9+	2000
	Eskdalemuir ...	03·9	+6	S'W	4	c	53	75	52	8	8	7	-	9	9†	1500
	Point of Ayre ...	04·3	+10	SW'W	3	c	64	65	53	8	1	4	2	1	9	2500
13A	Tiree	98·8	+14	S	5	bc	61	85	56	8	8	-	-	4-6	4-6	2000
13B	Stornoway ...	98·3	+12	S	4	c	57	85	44	8	5	6	-	7-8	9	2500
15	Dalwhinnie ...	01·0	+18	S	3	c	56	75	48	7	5	7	-	4-6	9†	2500
	Aberdeen ...	02·9	0	S'E	3	c	67	75	58	8	8	7	8	4-6	9†	3500
	Wick ...	01·2	-2	SSE	3	z₀	63	92	59	6	5	7	1	2-3	9	2000
18	Sumburgh ...	04·0	0	SSE	5	z₀	80	85	57	6	5	7	-	4-6	9	3000
17	Blacksod Point	97·7	+6	SW	4	bc	60	75	52	8	8	-	-	7-8	7-8	1500
18	Malin Head ...	96·5	+6	S	4	bc	60	75	52	8	9	-	-	7-8	7-8	2500
	Aldergrove ...	01·4	+4	S W	3	bc	63	65	49	8	8	-	8	7-8	7-8	2500
19	Birr Castle ...	02·1	+6	SW	4	pr	60	85	57	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	03·4	+8	SW	5	p†	60	75	52	8	3	6	-	4-6	4-6	2500
	Roches Point	04·3	+4	SW'W	4	bc	61	85	56	8	3	-	-	4-6	4-6	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	°F. Temp. (21)	°/o Humid. (22)	°F. Dew Point. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	08·5	-4	SSW	3	r₀r₀	65	92	62	7	5	2	-	7-8	10	1500	1	*
	Croydon ...	09·0	+2	S	3	r₀	64	97	67	7	6	2	-	7-8	10	900	1	*
	S. Farnborough	08·3	+4	SW'W	3	d₀d₀	64	92	62	7	6	-	-	10	10	800	1	*
	Boscombe Down	08·8	+2	NW'W	2	id₀	59	97	59	8	5	7	-	9†	10	1500	1	*
	Thorney Island	09·2	-2	SW	4	i†₀	64	87	63	7	5	-	-	10	10	800	1	*
	Lympne ...	10·7	-4	WSW	2	c	67	75	58	8	5	7	-	7-8	9†	6000	0	5
	Manston ...	09·3	-2	WSW	2	c	68	75	58	8	-	7	-	0	9†	-	0	*
2	Shoeburyness ...																	*
	Felixstowe ...	08·9	0	S	2	c	69	75	60	8	8	7	-	9	9	3800	0	2
	Gorleston ...	08·2	+4	SW'S	3	c	69	75	59	7	5	4	-	4-6	7-8	2000	0	3
	Mildenhall ...	07·7	+2	SW'S	3	c	72	65	58	8	5	7	-	7-8	9†	3000	0	*
	Cranwell ...	07·2	+2	W'S	3	r†	63	92	61	6	6	2	-	2-3	10	2000	1	*
3	Birmingham ...	07·7	-2	SSW	2	c/r	58	92	56	6	5	7	-	9	10	1500	1	*
	Upper Heyford	08·0	+2	SSW	2	c/r	61	92	59	7	6	2	-	7-8	10	1600	1	*
4	Ross-on-Wye	07·5	-4	SW'W	3	c	63	65	52	8	1	7	-	T†	7-8	3500	0	*
5	Hartland Point	08·3	+4	WSW	4	c	61	85	57	8	2	-	8	2-3	9	1000	0	4
	Bristol ...	09·1	+2	SW	2	c	62	85	57	8	5	7	-	2-3	7-8	4000	1	*
	Portland Bill ...	09·1	+2	S	3	o	60	92	56	7	5	-	-	10	10	2500	1	3
	Plymouth ...	09·1	+2	W'S	3	c	61	85	56	8	5	7	6	4-6	9	2500	0	2
	The Lizard ...	09·8	0	W	2	c	61	92	58	8	8	6	-	4-6	7-8	1500	1	3
	Scilly (St. Mary's)	09·4	+6	SW'W	3	c/p	64	75	54	8	8	6	-	4-6	7-8	1200	1	4
6	Pembroke ...	07·6	+2	SSW	5	bc	61	75	54	8	2	6	1	2-3	4-6	2500	1	4
7	Holyhead (Valley)	05·9	+2	S'W	6	c	61	85	58	8	2	-	3	T†	7-8	3000	1	4
	Chester (Sealand)	06·5	+6	SW'W	2	c	65	65	51	8	8	7	8	1	9†	5000	0	*
8	Manchester ...	06·3	-4	SSE	3	c	66	65	54	8	2	7	-	7-8	9†	2500	0	*
10	Spurn Head ...	07·3	+6	WSW	3	c	67	85	61	7	7	2	-	4-6	9†	2500	0	3
	Catterick ...	06·2	0	W'S	1	c	66	63	55	7	5	7	-	2-3	9	2800	0	*
	Tynemouth ...	06·6	+4	SSW	3	c	66	75	57	6	5	3	-	7-8	9	2800	0	3
11	St. Abbs Head	04·2	+4	SW	2	c	62	65	49	8	5	4	-	4-6	7-8	4000	0	2
	Leuchars ...	03·7	+8	SSW	3	c	64	75	57	8	2	4	4	4-6	9	2000	0	*
12	Renfrew (Abbotsl.)	04·0	+6	SSW	3	c	63	65	49	8	1	3	2	1	9	3500	1	*
	Eskdalemuir ...	04·6	+6	S	4	c	63	75	52	8	5	7	1	4-6	9	1100	1	*
	Point of Ayre ...	04·2	0	SW	4	c	64	75	54	8	2	6	6	1	7-8	2000	0	3
13A	Tiree	98·4	-4	SSE	5	bc	59	85	53	8	7	4	-	2-3	4-6	2800	0	5
13B	Stornoway ...	99·3	+4	ESE	3	bc/jp	57	85	52	8	2	6	6	2-3	4-6	3000	0	2
15	Dalwhinnie ...	01·5	+4	S	3	c	58	65	47	8	8	-	6	4-6	9†	2500	0	*
	Aberdeen ...	03·8	+10	S'E	3	c	61	75	57	8	4	5	9	T†	7-8	4000	0	3
	Wick ...	01·7	+2	S	3	c	62	97	61	9	5	3	4	2-3	7-8	6000	0	*
18	Sumburgh ...		-2	SSE	4	o		97	57	4	5	-	-	10	10	300	1	3
17	Blacksod Point	97·3	-2	SW'W	5	r†	56	85	52	7	6	2	-	4-6	10	800	1	4
18	Malin Head ...	97·9	-2	S'W	5	bc	61	65	50	8	9	-	-	4-6	4-6	2500	1	3
	Aldergrove ...	01·0	+2	S	3	bc/pr	61	65	50	9	8	-	8	4-6	4-6	2500	1	*
19	Birr Castle ...	02·0	+4	SW	4	bc	60	65	48	8	3	8	-	2-3	4-6	1500	1	*
20	Valentia Obsy.	03·1	+16	WSW	4	pr	56	85	52	8	8	-	-	9+	9+	2500	1	4
	Roches Point	05·3	+6	SW	4	bc	60	75	52	8	2	-	-	4-6	4-6	1500	1	5

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 19th. (39)	Weather. 13h.—18h. 19th. (40)	Weather. 18h. 19th to 1h. 20th (41)	Weather. 1h.–7h. 20th (42)
1	London (Kew)	c b c c	c t₀	c r₀ r₀ c	c b c m₀
	Croydon ...	b c	c c r₀ r₀	c r₀ r₀ c	e b c b w
	S. Farnborough	b c w c	c t₀ r r d₀ d₀	c r₀ b c c	c b c m o b
	Boscombe Down	c t₀ i₀	c t r i d₀	c i d₀ e m w	b f g u b w
	Thorney Island	c b c c	c r₀ r₀ i†₀	c r₀ r b c	b c b m₀ w
	Lympne ...	c i₀ b c c y	c y c	o m o i†₀	c r₀ r₀ i†₀
	Manston ...	c b c z₀	b c y c	c b c c	r₀ R
2	Shoeburyness ...	c w b b c v c y c		c r o r o m₀	c m₀
	Felixstowe ...	b c m₀ b m₀ b c y	b c y c y c	c	c r₀ r₀ c i r₀ m₀ c
	Gorleston ...	c b m₀	c	c b e l c	c r₀ e z₀
	Mildenhall ...	b c c b c y	b c y c y c	c i r₀ c	c b e m₀
	Cranwell ...	c y c	b c † †	c r r e b c	b c m o b m₀
3	Birmingham ...	c i r₀	c t₀ †	c b c	c
	Upper Heyford	c i d₀ i†	i d₀ † † † t₀	c i d o m o b c	b c m₀
4	Ross-on-Wye	r₀ c d₀ o †	c c	c m₀	b c b w c
5	Hartland Point	i † c	c	b e e p b c	b c y r₀
	Bristol ...	c i d₀	c	c b c b b c	b e b w b c
	Portland Bill ...	o † †	o † † o	c	b e e
	Plymouth ...	c † † R m₀	c † † m₀ c	c b c b m₀	b m₀ b e m₀ c
	The Lizard ...	c † † p † c	c	c b e c b m₀	b m₀ b e m₀ c
	Scilly (St. Mary's)	c p r c	c b e c	c b e w	e p r b e
	Guernsey ...	c i r₀	c i † c	c p₀ b e	b e p
6	Pembroke ...	c	b c	b e	b e q
7	Holyhead (Valley)	o i d c	c	c b e l c	b b e
	Chester (Sealand)	c c † † c	e y c	c b	b b e m₀
8	Manchester ...	c i † o	c y	c b e m o	b m o w
10	Spurn Head ...	c	c	c	
	Catterick ...	c m₀ c † † m₀	i r₀ c y c	e b e m₀ b e	b e b e b
	Tynemouth ...	c m₀ c	c	e p e b c	b c
11	St. Abbs Head	c m₀ c	c p r c	c	c b c
	Leuchars ...	o p † † † † c	c b c c	b e e b e	b b c w
12	Renfrew (Abbotsl.)	† † m₀	c m₀ c y c	c b e w	b e e e m₀
	Eskdalemuir ...	d p r c	c b c c	b e c	e p r o c
	Point of Ayre ...	c	c	c b e b	b
13A	Tiree	c i r b c	b c b c	b c	P e i r
13B	Stornoway ...	c p r₀	c b c	b e e p r	c
15	Dalwhinnie ...	d p r c	c b c c		c o p s e
	Aberdeen ...	b c z₀ c	c b c c		
	Wick ...	c m₀	c	c	c b c
18	Sumburgh ...	c b c m₀ p r₀	c m₀ p r i † m	c h e m o e	c
17	Blacksod Point	b c	r	r	r
18	Malin Head ...	p r	p r	b e	r
	Aldergrove ...	c b c	b c y c y c p s c	b b e	b e r o c
19	Birr Castle ...	p r	p †		p r
20	Valentia Obsy.	p r	p †		b e
	Roches Point	b c	p † b c	† b e	o

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Light or moderate Southwest wind; occasional thundery showers; bright periods; average temperature.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland 13B N.W. Scotland 14 Mid Scotland	Moderate or fresh Southwest wind; showers and local thunderstorms, but bright intervals; average or rather low temperature.
15 N.E. Scotland	Moderate or fresh Southeast to South wind; cloudy
16 Orkneys and Shetlands	thundery rain at times; average temperature.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate or fresh Southwest to West wind; showers and local thunder, but bright intervals today; rain spreading from west tomorrow; average temperature.

GENERAL INFERENCE

A depression centred west of the Hebrides is moving slowly North-north-east and filling up slightly. Another depression far out on the Atlantic will begin to affect western districts of the British Isles tomorrow. There will be bright intervals in most districts. Showers and local thunderstorms will occur in the North; local showers perhaps with thunder in the South.

FURTHER OUTLOOK

Rain spreading from the West.

Forecasts issued at 10.30.

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

7h. Thursday 20th August 1942.

LOW

HIGH

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F.

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in mbs.

Dew Point °F

Low cloud

Weather in past hour

Past weather

Amount of Low cloud

Height of Low cloud

Scale 1 : 5,000,000.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Thursday 20th August

1942.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55° N.

Statute Miles. 0 1 2 3 4 5000

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

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

Thursday 20th August 1942 — No. 2949

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	61	*	*	*	*	*	*	*	*	*
	Croydon ...	290	10·4	+8	WSW	2	c	59	97	57	7	5	-	-	7-8	9+	1800
	S. Farnborough	226	10·5	+8	W	1	Zo	58	97	56	6	5	7	-	4-6	7-8	1800
	Boscombe Down	417	10·9	+6	-	0	Zo	55	97	55	6	5	3	-	2-3	7-8	3500
	Thorney Island	10	10·6	+6	W'N	2	bc	59	92	58	7	-	3	-	0	4-6	-
	Lympne ...	283	11·4	+2	SW	2	ir	61	97	61	6	5	7	-	4-6	10	3500
	Manston ...	154	10·1	0	SSW	1	ir	62	92	60	6	5	2	-	9+	10	1600
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	09·4	+2	SSW	2	c	65	92	62	7	5	-	-	9	10	3500
	Gorleston ...	5	08·6	-2	SSW	2	Zo	63	85	60	6	5	-	-	7-8	7-8	1500
	Mildenhall ...	15	09·2	+4	SW'W	2	c/r	59	92	58	7	5	2	-	4-6	9+	1000
	Cranwell ...	203	08·2	0	WSW	3	Zo	57	92	54	5	5	4	-	4-6	7-8	3000
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	09·6	+10	SW	1	c	53	97	51	6	-	7	-	0	7-8	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	09·2	+2	WSW	4	bc	59	75	49	8	1	-	-	2-3	2-3	2500
	Bristol ...	209	10·7	+4	SW	1	bc	56	92	53	7	-	4	1	0	4-6	-
	Portland Bill ...	32	10·6	+4	WSW	3	c	59	92	57	7	-	-	-	7-8	7-8	2500
	Plymouth ...	82	11·7	+6	WSW	3	Zo	57	85	53	6	-	-	-	0	0	-
	The Lizard ...	240	11·6	+2	W'N	4	bc	57	85	53	8	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	11·9	0	W'S	5	bc	56	92	53	8	8	-	-	4-6	4-6	1500
	Guernsey ...	175															
6	Pembroke ...	142	08·5	0	SW	5	bc	59	85	53	7	8	-	-	4-6	4-6	4000
7	Holyhead (Valley)	32	06·1	-2	SSW	6	b	57	85	53	8	-	4	-	0	Tr	-
	Chester (Sealand)	16	07·7	+2	S	2	b	53	85	50	7	-	-	8	0	1	*
8	Manchester ...	235	08·0	-2	S'E	2	b	51	92	49	6	-	3	-	0	Tr	-
10	Spurn Head ...	29	08·0	0	SW	2	c	60	92	58	7	5	7	-	4-6	7-8	1500
	Catterick ...	175	07·2	-6	WSW	1	bc	54	85	50	7	5	-	-	4-6	4-6	4000
	Tynemouth ...	108	06·3	-4	W	1	bc	57	75	50	6	-	4	-	0	2-3	-
11	St. Abbs Head	280	05·4	-8	SSW	1	bc	53	85	49	7	5	-	-	4-6	4-6	4000
	Leuchars ...	36	03·6	-10	SW	2	bc	53	92	51	8	-	7	-	0	4-6	-
12	Renfrew (Abbotsl.)	19	03·0	-4	SSE	2	bc	56	85	51	7	1	-	-	4-6	4-6	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	04·6	+2	WSW	4	b	56	85	51	8	-	-	-	0	0	-
13A	Tiree	22	97·6	-8	S	6	bc	56	85	51	8	8	-	-	4-6	4-6	2500
13B	Stornoway ...	80	09·2	-18	ESE	3	c/pr	55	92	53	7	8	4	7	4-6	9+	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	04·0	-8	SSW	2	c	54	92	52	8	5	7	6	Tr	7-8	3000
	Wick ...	114	02·4	-6	SW	2	c	55	97	55	8	5	3	-	4-6	9	5000
16	Sumburgh ..	19	03·8	-2	SSE	3	bc	56	92	53	7	5	-	-	4-6	4-6	4000
17	Blacksod Point	18	99·0	+2	SW	6	r/c	56	86	52	7	6	2	-	4-6	10	800
18	Malin Head ...	84	97·0	-10	S	5	bc	55	85	51	8	4	1	-	4-6	4-6	2500
	Aldergrove ...	268	01·9	-2	SSE	4	bc	52	85	48	7	-	-	6	0	4-6	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	06·8	+6	WSW	5	c	58	75	51	8	8	-	-	7-8	7-8	2500
	Roches Point	22	07·1	+2	WSW	3	b	55	92	53	8	5	-	-	1	1	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	12·3	+12	WSW	2	Zo	58	85	54	6	8	-	1	2-3	2-3	2500	1	*
	Croydon ...	11·8	+8	WSW	2	bc	57	92	55	7	5	-	6	Tr	2-3	1000	1	*
	S. Farnborough	12·4	+14	WSW	3	b	55	92	54	8	-	-	-	0	0	-	1	*
	Boscombe Down	12·6	+10	SW	2	b	53	97	52	7	-	6	-	0	Tr	-	1	*
	Thorney Island	13·0	+18	W	2	Zo	57	85	53	6	-	-	-	Tr	Tr	2500	0	*
	Lympne ...	13·3	+18	W'N	2	c	59	92	54	7	5	3	-	4-6	7-8	6500	1	2
	Manston ...	11·8	+18	W	1	Zo	60	85	55	6	5	8	-	9+	9+	5000	1	*
2	Shoeburyness ...	11·9	+18	W	2	bc	59	85	54	6	1	7	1	Tr	7-8	2000	1	*
	Felixstowe ...	11·3	+16	W	3	c	60	85	54	7	5	7	-	4-6	10	5000	1	2
	Gorleston ...	10·0	+10	WNW	2	c/r	59	92	56	6	8	4	-	7-8	9+	1100	1	2
	Mildenhall ...	10·9	+12	SW'W	2	Zo	55	92	53	6	-	7	3	0	7-8	-	1	*
	Cranwell ...	09·8	+8	SW	3	Zo	55	85	51	6	-	7	2	0	1	-	1	*
3	Birmingham ...	10·5	+4	SSE	1	bc	54	92	52	6	5	-	-	2-3	2-3	2500	1	*
	Upper Heyford	10·6	+8	WSW	2	bc	53	97	52	7	5	4	9	Tr	2-3	1500	1	*
4	Ross-on-Wye	10·4	0	SW	3	bc	56	92	54	7	5	-	-	4-6	4-6	3500	0	*
5	Hartland Point	10·8	+12	W	4	bc	59	75	52	8	2	6	-	4-6	4-6	2000	0	4
	Bristol ...	11·9	+6	SSW	3	bc	55	92	53	8	8	-	-	2-3	2-3	2500	1	*
	Portland Bill ...	12·5	+14	WSW	4	c	60	85	56	7	2	-	-	7-8	7-8	4000	1	3
	Plymouth ...	13·2	+10	W	3	c	58	85	55	7	8	7	2	2-3	7-8	2500	0	2
	The Lizard ...	13·4	+12	W	3	bc	57	85	53	8	8	6	-	4-6	4-6	2500	1	4
	Scilly (St. Mary's)	13·2	+14	W	3	bc	57	85	53	8	8	4	-	4-6	4-6	1200	1	4
	Guernsey ...																	
6	Pembroke ...	09·8	+12	SW'W	6	bc	59	75	51	7	2	3	1	2-3	4-6	3000	1	4
7	Holyhead (Valley)	07·0	+4	SW'S	6	c	57	85	52	8	2	7	-	Tr	9	2000	1	4
	Chester (Sealand)	08·3	+6	SSE	2	bc	53	85	49	6	5	4	8	1	2-3	3500	0	*
8	Manchester ...	08·3	0	S	4	bc	55	92	52	7	5	3	-	4-6	9-8	2500	0	*
10	Spurn Head ...	09·4	+12	WSW	2	bc	57	85	53	7	7	7	2	4-6	4-6	4000	1	*
	Catterick ...	08·1	+6	S	2	b	54	85	50	6	5	-	-	1	1	4500	0	*
	Tynemouth ...	07·0	0	SSW	3	bc	56	75	48	6	-	4	1	0	2-3	-	0	3
11	St. Abbs Head	04·5	-8	S	3	bc	54	85	52	7	5	7	-	1	4-6	5000	0	2
	Leuchars ...	03·1	0	SSE	1	bc	53	92	53	8	5	3	-	1	4-6	3000	0	*
12	Renfrew (Abbotsl.)	02·6	0	SSW	4	Zo	57	75	49	6	5	3	8	4-6	9-8	2000	1	*
	Eskdalemuir ...	04·4	0	SSW	3	c	52	92	50	8	8	-	-	9+	9+	1100	1	*
	Point of Ayre...	04·7	0	SW	2	bc	55	85	50	8	4	6	5	1	2-3	3000	0	2
13A	Tiree	95·9	0	S'E	6	ir	55	97	53	7	-	2	-	9+	9+	1000	1	5
13B	Stornoway ...	95·8	-10	SSE	6	c	55	92	52	8	5	7	5	7-8	9+	2500	1	4
15	Dalwhinnie ...	00·0	0	S	3	c	51	85	47	7	5	-	-	9+	9+	1500	0	*
	Aberdeen † ...																	
	Wick ...	01·1	-6	SSE	4	bc	54	97	53	7	-	3	4	0	4-6	-	0	*
16	Sumburgh ..	03·7	+2	SE'S	4	c	56	92	52	8	5	7	-	7-8	9+	5000	0	3
17	Blacksod Point	00·2	+12	WSW	6	c/r	55	92	53	6	5	-	-	9	9	1500	1	5
18	Malin Head ...	97·8	+6	SSW	4	r	55	92	53	8	6	2	-	4-6	7-8	1500	1	3
	Aldergrove ...	02·0	+2	SSW	3	c	54	85	50	7	5	2	-	9+	10	1200	1	*
19	Birr Castle ...	05·1	+12	SSW	3	c	54	85	50	8	9	2	-	7-8	10	800	1	*
20	Valentia Obsy.	08·6	+14	WSW	5	c	57	75	49	8	8	-	-	9+	9+	2500	1	5
	Roches Point	09·3	+16	WSW	3	bc	56	85	52	8	5	4	-	4-6	4-6	2500	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 18th Hrs. (38)
1	London (Kew)	71	56	49	1	2	4·2
	Croydon ...	74	54	53	0·5	1	5·7
	S. Farnborough	71	53	46	2	1	1·7
	Boscombe Down	59	49	38	7	0·2	1·2
	Thorney Island	69	55	50	3	2	*
	Lympne ...	74	57	*	0·1	1	6·6
	Manston ...	77	59	56	0·1	3	6·5
2	Shoeburyness ...		58	55		0·5	5·7
	Felixstowe ...	73	59	56	0·2	1	6·7
	Gorleston ...	73	59	59	-	1	6·0
	Mildenhall ...	73	55	52	-	1	8·2
	Cranwell ...	74	53	51	0·6	7	2·4
3	Birmingham ...	67	50	41	2	-	1
	Upper Heyford		50	44	6	0·5	*
4	Ross-on-Wye	65	51	43	2	-	0·9
5	Hartland Point	62	57	55	Tr	0·2	3·3
	Bristol ...	63	52	41	8	-	0·8
	Portland Bill ...	61	58	*	9	-	*
	Plymouth ...	64	53	43	Tr	-	2·2
	The Lizard ...	65	55	*	0·2	0·5	4·2
	Scilly (St. Mary's)	65	55	*	Tr	0·4	6·6
	Guernsey ...						
6	Pembroke ...	63		*	-	Tr	3·5
7	Holyhead (Valley)	64	56	52	0·4	-	*
	Chester (Sealand)	72	50	44	0·6	-	3·8
8	Manchester ...	69	50	46	0·4	-	*
10	Spurn Head ...	76	56	*	-	7	
	Catterick ...	70	51	42	Tr	-	3·1
	Tynemouth ...	73	53		-	0·2	*
11	St. Abbs Head	71	49	*	Tr	-	*
	Leuchars ...	67	50	44	0·3	-	2·8
12	Renfrew (Abbotsl.)	65	53	47	3	Tr	3·6
	Eskdalemuir ...	62	49	48	2	0·4	2·7
	Point of Ayre...	67	52	*	0·2	-	4·2
13A	Tiree	62	54	*	0·5	-	6·3
13B	Stornoway ...	61	54	*	Tr	1	7·0
15	Dalwhinnie ...	60	50	46	1	Tr	1·7
	Aberdeen † ...	68					
	Wick ...	66	51	42	-	-	*
16	Sumburgh ..	62	54	52	2	-	0·4
17	Blacksod Point	65	52	48	0·6	2	8·3
18	Malin Head ...	62	55	52	2	0·4	6·1
	Aldergrove ...	63	*	*	-	-	*
19	Birr Castle ...						
20	Valentia Obsy.						
	Roches Point						

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 19th August — 18h. G.M.T. — 01h. G.M.T. 20th August — 07h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 87	05672	46826	84	05761	15216	07	05630	14226	07	05790	47325
115			54	02844	20325	54	02854	12425	54	02834	12325
203 80	02545	16625				8+	81947	48467			
206 57	02964	18467	47	02963	15325	50	00843	00013	83	02866	46517
210 87	02958	81864	84	02963	19425	07	01890	14414	53	02863	15416
220 50	01854	14521							62	64646	15568
230 56	01954	14284	87	01954	14214	8-	01853	10283	52	22946	14368
245 57	02953	23427	23	02863	15365	03	01730	16113	54	01753	17314
260 52	02854	18326	27	01858	16325	04	01890	20315	57	01863	16314
278 50	01843	18315	83	02843	15425	50	00752	18312	57	61746	16417
279 20	02854	19365	87	02962	17427	20	81755	16385	24	01854	50385
285 57	22744	22567	17	02853	22327						
288			52	22866	15267	04	05630	15213	08	05630	15312
575 86	25955	51485	86	01953	53514	57	61844	53468	5-	61648	20468
301 27	02852	17365	53	02862	20427	54	01864	20404	83	05654	16314
321 83	02767	22427	62	62654	17368	50	05573	18263	07	05630	20313
299 57	02764	16224	8-	02768	16228	80	05690	21123			
292 52	61663	21326	57	22672	15268	50	05564	00014			
310 --	68362	62648									
614 52	62556	20390	5-	64558	22268	04	05590	22144	00	08490	20120

13h. G.M.T. 19th August — 18h. G.M.T. — 01h. G.M.T. 20th August — 07h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
333 27	02853	18427	8-	02853	18426	1-	00851	53312	26	01853	53414
334 --	02763	26314	--	02658	26215				--	02645	22216
340			97	10954	23227	04	01790	18211	50	01871	16201
136 23	02864	20315	57	02767	20228	57	22665	20367	05	05630	22165
336 13	01763	20415	13	01763	20415				10	01753	20413
350 8-	02858	18428	52	22746	17368	57	05663	22265			
368 57	02654	23867	27	02851	24426	24	01754	24414	83	01744	24428
379 67	61737	18463	57	02745	20267	53	05654	20216	50	41604	18344
390 18	02731	20426				57	21554	24268	03	05590	20212
382 87	62854	19268	52	22835	22168	07	05690	16126			
438 57	02855	*	87	02755	22327				14	00752	20313
430 52	02856	20327				07	05630	22226	10	00761	20101
402 10	02845	21365	37	02843	22325	50	00852	21222	87	02855	22386

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, h_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 (S. = 8, E. = 16 = S, 24 = W, 32 = N).

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of... 20th August...
Day 7h—18h Kew and Croydon, 9h—18h Kentington
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 ...	cbcc	cr.	cr.dcmo	Kew 24 hours ended 7h. Max. Time
Croydon ...	bc	c cr.r.	cror.c.bw	0·1 0-24 20th.
Greenwich ...	cy	cycir	cb	Min. Time
Camden Square	c	c	*	0·1 Rest of period.
Kensington ...	bc	bcop	*	
Hampstead ...	bc	or	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	56	49	1	2	4·2	*	*
Croydon ...	74	54	53	0·5	1	5·7	*	*
Greenwich ...	77	55	46	0·5	-	6·3	58	61
Westminster ...	74	56	54		2		71	75
Regents Park ...	75	56	51	-	2		61	65
Camden Square	76	56	52	0·5	2	*	*	67
Kensington ...	76	57	48	0·4	2		87	67
Hampstead ...	75	53	50	0·4	2		*	75

Page 1 BRITISH SECTION

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

SECRET

Friday 21st August 1942

No. 29492

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	14·2	+10	SW'W	3	c	66	55	50	8	8	4	1	7·8	7·8	2500
	Croydon	14·1	+6	SSW	3	pr	65	65	52	8	8	-	-	7·8	9	2500
	S. Farnborough	14·2	+8	WSW	3	c	66	55	49	9	8	7	-	7·8	7·8	2000
	Boscombe Down	14·0	+14	WSW	4	c	68	55	49	8	2	8	1	4·6	7·8	3000
	Thorney Island	14·9	+10	SW	4	bc	67	55	51	9	2	4	-	2·3	4·6	4000
	Lympne	15·9	+14	SW	3	bc	66	65	55	8	2	-	-	4·6	4·6	3500
	Manston	14·3	+10	WSW	2	bc	69	45	46	8	1	-	-	4·6	4·6	3500
2	Shoeburyness	14·5	+10	NNW	3	bc	70	55	63	8	8	-	-	4·6	4·6	3500
	Felixstowe	13·3	+4	SW	4	c	71	45	50	8	8	-	-	7·8	7·8	4000
	Gorleston	12·2	+4	WSW	3	bc	69	45	47	8	1	-	-	4·6	4·6	3000
	Mildenhall	12·6	+8	SW'W	4	bc	70	45	49	8	8	-	-	4·6	7·8	2500
	Cranwell	11·2	+8	SWW	4	bc	67	55	51	7	2	-	-	4·6	7·8	3000
3	Birmingham	11·3	+6	SW	4	bc	68	45	48	8	8	7	-	4·6	4·6	2500
	Upper Heyford	12·6	+8	W	4	c	68	45	47	8	2	3	4	7·8	7·8	2500
4	Ross-on-Wye	13·3	+14	W'S	4	pr	58	75	51	8	8	-	-	9+	9+	3000
5	Hartland Point	13·7	+16	WSW	5	cjp	61	85	56	8	8	-	-	9	9	1500
	Bristol	14·8	+14	W'S	4	pr	62	75	54	8	2	7	-	7·8	9+	2500
	Portland Bill	15·4	+10	SW	4	bc	61	85	58	8	2	-	-	4·6	4·6	4000
	Plymouth	15·5	+10	WSW	4	c	64	75	55	8	3	-	-	7·8	7·8	2500
	The Lizard	16·1	+8	W	4	c	64	75	55	8	8	6	-	7·8	7·8	2500
	Scilly (St. Mary's)	15·6	+10	W'S	5	c/pr	64	75	56	8	8	6	-	4·6	9	1200
	Guernsey															
6	Pembroke	12·8	+12	SW	6	bcq	60	75	51	7	8	6	-	4·6	7·8	3000
7	Holyhead (Valley)	09·3	+14	SW'S	6	bc	63	75	54	8	2	6	8	Tr	4·6	2500
	Chester (Sealand)	09·8	+10	SW	3	c	69	45	45	8	2	6	3	4·6	9	3500
8	Manchester	10·5	+10	S	4	bc	66	55	50	8	2	6	-	4·6	4·6	2500
10	Spurn Head	10·8	+10	SW'W	4	bc	67	55	53	7	2	-	-	4·6	4·6	4000
	Catterick	09·2	+8	WSW	4	pr	64	65	52	7	8	7	1	2·3	9	3000
	Tynemouth	08·1	+6	SW	6	bc	64	55	45	7	2	-	-	4·6	4·6	2400
11	St. Abbs Head	04·4	+10	S	5	bc	62	65	51	8	2	4	-	4·6	4·6	3500
	Leuchars	03·3	+2	SSW	4	c	64	75	57	8	8	6	3	7·8	7·8	3200
12	Renfrew (Abbots I.)	03·3	+2	SW	4	c	61	65	51	8	8	7	-	7·8	9	1500
	Eskdalemuir	05·6	+12	SW'S	5	c/pr	57	85	52	8	8	-	-	9+	9+	1400
	Point of Ayre	06·3	+6	W	6	c	65	65	51	8	2	7	3	2·3	7·8	2500
13A	Tiree	97·3	+8	SW'W	6	pr	57	92	54	7	8	-	-	9	9	1500
13B	Stornoway	96·3	+6	S	5	c/pr	56	92	53	7	5	7	-	7·8	10	1500
15	Dalwhinnie	01·2	+2	S	3	c	55	85	49	7	8	-	-	7·8	7·8	2500
	Aberdeen	03·5	0	S	5	bc	62	75	52	8	7	-	-	4·6	4·6	3000
	Wick	01·6	+4	SSE	4	bc	61	92	59	8	8	3	-	Tr	4·6	3500
16	Sumburgh	03·6	-2	SSE	4	c	58	85	54	8	5	7	2	Tr	7·8	1000
17	Blacksod Point	04·1	+14	WSW	6	pr	58	85	54	7	6	2	-	4·6	10	800
18	Malin Head	00·4	+18	W	5	pr	58	85	53	8	8	2	-	7·8	9	2500
	Aldergrove	03·9	+14	SSW	5	c/pr	60	75	53	8	8	-	-	9	9+	1800
19	Birr Castle	11·3	+6	W'S	4	c	61	75	53	8	8	-	-	7·8	7·8	1500
20	Valentia Obsy.	11·3	+10	W'S	5	bc/pr	61	65	49	8	8	-	-	4·6	4·6	4000
	Roches Point	11·2	+6	W	4	bc	61	65	49	8	2	-	-	4·6	4·6	2500

OBSERVATIONS at 18h. G.M.T. 20th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 20th (39)	Weather 13h.–18h. 20th (40)	Weather 18h. 20th – 1h. 21st (41)	Weather 1h.–7h. 21st (42)
London (Kew)	15·8	+16	SSW	3	bc	63	75	53	8	8	3	-	4·6	7·8	2500	1	•	bccy	cprobc	bcbw	bbccw
Croydon	15·8	+10	S'W	2	bc	61	75	54	8	8	-	-	1	4·6	6000	1	•	bbcc	bcycproc	probc	cbccw
S. Farnborough	15·8	+12	SW'W	3	c	62	65	52	9	8	7	-	7·8	7·8	2000	0	•	bbcc	cyprqbccv	cvbcbw	bwbcbc
Boscombe Down	15·6	+4	SSW	3	bc	61	75	54	8	2	6	-	2·3	2·3	2500	0	•	bcc	cprbc	bccbc	bccw
Thorney Island	16·2	+6	WSW	4	bc	63	65	53	9	3	6	1	1	2·3	4000	0	•	bcprobcy	bcbyb	b	bbc
Lympne	17·4	+14	SW	3	b	62	65	52	8	1	-	-	Tr	Tr	4000	0	4	bcbybc	bcb	bbw	bwbc
Manston	15·7	+10	SW	2	b	65	45	45	8	1	-	-	Tr	Tr	3500	0	•	cbcby	bcyby	bybmow	bbcmow
Shoeburyness	16·1	+18	W'S	3	c/pr	64	75	55	8	8	4	-	7·8	7·8	2500	1	•	bcmob2ob	cycycproc	cprob	bbccw
Felixstowe	14·8	+12	SSW	4	c	66	55	51	8	5	3	-	7·8	9	4000	0	2	cbybcycy	bcycy	b	bcbcmobc
Gorleston	13·3	+8	W'S	2	bc	70	55	52	8	2	-	-	2·3	2·3	3000	0	2	bcbc	bcy	bcybc	bcc
Mildenhall	13·6	+6	WSW	4	bc	67	45	49	8	2	6	-	1	2·3	3500	0	•	bcmobcy	bcy,by	bye	c
Cranwell	12·6	+6	SW	3	bc	63	65	51	7	8	6	-	2·3	2·3	3000	0	•	bcbcy	bcyprob	bbmo	bmocmoc
Birmingham	13·1	+8	SSW	3	bc	62	55	46	8	8	7	-	2·3	4·6	2500	1	•	bc	bcpro	bc	bcc
Upper Heyford	13·9	+8	SW	4	bc	63	55	46	8	2	3	-	2·3	2·3	3000	0	•	bccpro	cbcby	bycbc	bccw
Ross-on-Wye	14·1	+8	SW	4	bc	61	65	49	8	8	-	9	2·3	2·3	3500	0	•	bcpobc	bcpobc	bcc	cc
Hartland Point	14·3	+8	W	5	c	59	85	54	8	5	6	-	4·6	7·8	2000	0	4	bccpro	bcc	cP	cbcc
Bristol	15·2	0	WSW	2	bc	63	65	52	8	8	6	-	2·3	4·6	2500	1	•	bccpro	cprcbc	cprobcc	cbcc
Portland Bill	16·2	0	SW	4	bc	61	85	58	8	2	-	-	4·6	4·6	4000	1	4	cbc	bcbc	c	c
Plymouth	16·3	+8	W	5	bc	62	85	55	8	8	-	-	2·3	7·8	2500	0	3	cbcc	bcprobc	bccbc	bccprom
The Lizard	16·5	+2	WNW	4	c/pr	59	85	53	8	8	6	-	7·8	9+	1500	1	4	bcc	cprc	bcq	ctoro
Scilly (St. Mary's)	15·8	+2	SW	3	c	61	85	56	8	8	-	-	9+	9+	1200	1	3	cbccp	cprq	cbcc	otrdr
Guernsey																					
Pembroke	13·1	+4	SW	6	cq	60	75	50	8	5	7	-	4·6	9	3000	0	4	cq	cq	cq	cqitotr
Holyhead (Valley)	10·5	+8	SW'S	6	c	59	85	52	7	2	7	-	Tr	9+	3000	0	4	cprobc	bcc	crorb	bcproc
Chester (Sealand)	11·1	+10	SW	4	bc	63	55	47	8	8	7	-	4·6	7·8	3500	0	•	bmbccy	cbcy	bcyc	c
Manchester	11·4	+10	SW	3	bc	63	45	43	9	2	6	-	2·3	4·6	4000	0	•	bcpro	bcy	bccybc	bbcc
Spurn Head	11·7	+2	SW'W	4	bc	67	55	48	7	2	3	-	2·3	4·6	4000	0	4	bc	bc	b	bc
Catterick	10·0	+8	SW	3	c	62	55	44	8	8	4	6	7·8	9	2800	0	•	bmccpro	probccy	cpbciro	cbcc
Tynemouth	08·9	+2	SW	5	bc	62	55	48	7	2	3	-	2·3	4·6	2700	0	3	bc	bc	bcbbc	bcc
St. Abbs Head	04·8	-4	SSW	5	c	59	75	50	8	5	4	-	4·6	7·8	4000	0	5	bc	bcc	bccbc	bcc
Leuchars	04·1	+6	SSW	4	c	60	85	56	8	2	6	3	4·6	9	2000	1	•	bcwbbcc	bccpr	probcc	cbcwc
Renfrew (Abbots I.)	04·1	+4	SW	4	c/pr	58	85	54	7	8	7	-	7·8	9+	1000	1	•	dodocmoc	cprmoPR	cmoproido	moidcmo
Eskdalemuir	06·4	+6	SSW	5	pr	55	85	51	7	5	-	-	10	10	1100	1	•	cprc	cpropr	rrpr	prroc
Point of Ayre	07·4	+10	W	6	cjp	62	65	52	8	8	7	-	4·6	9+	2000	0	3	bccq	cbccq	probc	bcbc
Tiree	99·8	+14	WSW	6	pr	56	85	52	8	8	-	-	9	9	1500	1	5	cprpR	bccpr	cprbc	cprobc
Stornoway	94·8	-4	SSW	6	pr	56	92	54	7	5	7	-	7·8	9+	2000	1	3	cpr	cpr	cpr	cpr
Dalwhinnie	01·7	+6	S	4	bc	53	85	48	7	8	-	1	2·3	4·6	1500	1	•	cpro	cprobc		bcirc
Aberdeen	03·4	-2	S'W	4	pr	60	75	51	8	7	4	3	7·8	7·8	2500	0	3	bcbbc	cbcro	proc	cbc
Wick	00·3	-6	SSE	3	bc	59	92	57	9	8	7	3	2·3	7·8	4000	0	•	bc	bc	bcbcc	bcbcb
Sumburgh	02·8	-2	SSE	4	b	56	85	52	8	-	-	1	0	Tr	-	0	3	c	cbc	b	bccpro
Blacksod Point	06·3	+14	WSW	6	c	57	85	52	8	8	-	-	7·8	9+	1500	1	5	c	c	c	r
Malin Head	02·7	+18	W'N	4	c/pr	57	85	52	8	2	2	-	4·6	7·8	1500	1	4	pr	pr	pr	r
Aldergrove	05·9	+14	SW	3	pr	57	92	55	8	3	4	-	9	9+	1800	1	•	cprc	ccprPRcpr	cprpr	cbc
Birr Castle	09·4	+12	SW	3	c	57	75	49	8	8	7	-	7·8	9	1500	1	•	c	pr		r
Valentia Obsy.	11·4	0	SW'W	4	c	59	75	51	8	8	-	-	9+	9+	4000	1		pr	bc	c	r
Roches Point	12·0	+6	WSW	4	bc	60	75	52	8	3	3	-	4·6	4·6	1500	1		bc	pr	r	r

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

DISTRICTS.

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

Fresh South wind, strong on coasts veering South-west; dull at first with rain; bright intervals and showers later with perhaps local thunderstorms; average temperature or rather cool.

16 Orkneys and Shetlands: As 1-15.

17 N. W. Ireland
18 N. E. Ireland
19 S. E. Ireland
20 S. W. Ireland

Fresh Southwest wind strong on coasts; bright intervals, showers; local thunderstorms; cool.

GENERAL INFERENCE

A deep depression off Northwest Ireland is moving northeast. Rain will spread from the West to all districts followed by bright intervals and showers.

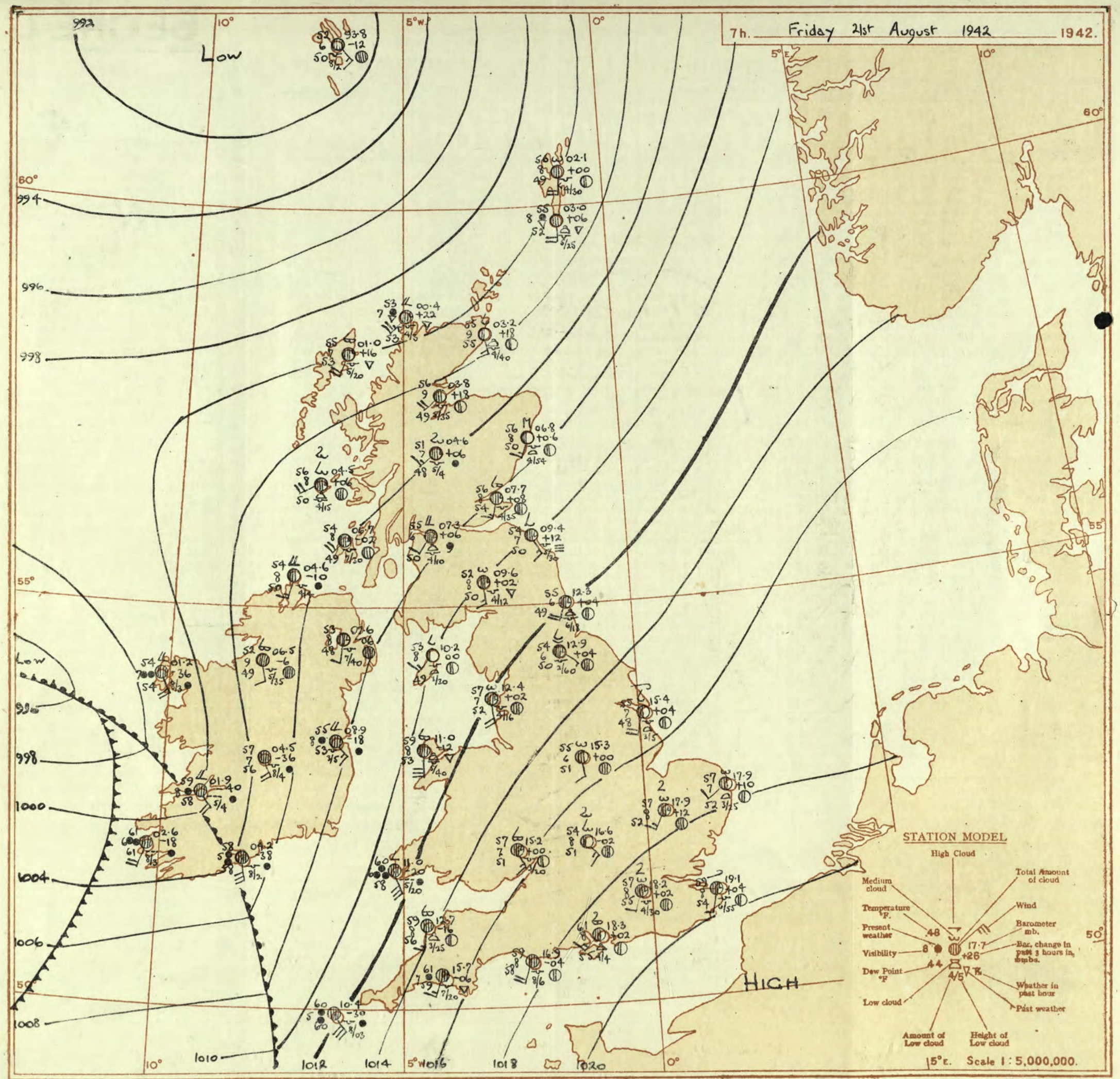
FURTHER OUTLOOK

Bright intervals and showers.

Forecasts issued at 10·30

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

7h. Friday 21st August 1942 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Friday 21st August

1942.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Friday 21st August 1942 — No. 29492

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	58	*	*	*	*	*	*	*	*	*
	Croydon ...	290	18·2	+12	SSW	3	bc	55	97	54	7	5	-	-	4-6	4-6	3500
	S. Farnborough	226	17·7	+6	SW	3	bc	55	92	53	8	9	-	-	1	1	3000
	Boscombe Down	417	17·4	+4	SW'S	3	c	55	92	54	7	4	6	-	4-6	4-6	3500
	Thorney Island	10	18·2	+6	SW	4	b	59	85	55	8	-	3	-	0	2-3	-
	Lympne ..	283	18·6	+6	WSW	2	b	53	97	53	7	-	-	-	0	0	-
	Manston ...	154	18·6	+10	SSW	1	Z_o	53	92	51	6	-	4	-	0	Tr	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	17·7	+10	SW	3	b	58	85	54	7	-	3	-	0	2-3	-
	Gorleston ...	5	16·7	+12	SW'W	2	bc	57	75	50	7	5	-	-	2-3	2-3	2500
	Mildenhall ...	15	16·7	+6	SSW	3	c	57	85	51	7	5	-	-	9+	9+	7100
	Cranwell ...	203	15·0	+6	SSW	2	Z_o	52	83	48	6	-	3	-	0	1	-
3	Birmingham ...	538	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·7	+10	S'W	3	bc	53	92	51	8	5	-	-	4-6	4-6	5500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·7	-2	SW	4	c	59	92	56	8	5	-	-	7-8	7-8	2500
	Bristol ...	209	16·9	+2	SW	3	c	56	85	52	8	-	7	-	0	9+	-
	Portland Bill ...	32	18·0	+8	SW	4	c	59	92	57	7	5	-	-	10	10	4000
	Plymouth ...	82	17·4	+2	SW	4	bc	59	92	57	8	4	-	1	2-3	4-6	3000
	The Lizard ...	240	17·1	+2	WSW	3	c	59	85	55	8	8	2	-	9	10	1500
	Scilly (St.Mary's)	163	16·2	-6	S'W	3	c	59	85	55	8	6	-	-	9	9	1200
	Guernsey ...	175															
6	Pembroke ...	142	14·3	-2	SW'S	5	cq	59	85	54	7	5	-	-	9	9+	2500
7	Holyhead (Valley)	32	12·2	+4	WSW	5	b	57	85	54	7	-	4	-	0	2-3	-
	Chester (Sealand)	16	13·3	+10	ESE	3	c	57	75	49	8	5	-	-	9	9	5700
8	Manchester ...	235	13·4	+4	'S	3	bc	54	85	49	8	5	-	1	2-3	4-6	4000
10	Spurn Head ...	29	14·7	+10	SW	4	b	55	85	49	7	-	-	-	0	0	-
	Catterick ...	175	12·6	+10	SW	3	c/r	55	85	51	7	5	7	-	7-8	9+	2500
	Tynemouth ...	108	10·5	+6	SSW	4	bc	56	75	48	7	-	4	-	0	2-3	-
11	St. Abbs Head	280	07·7	+12	SSW	3	c	55	86	50	7	5	4	-	2-3	4-6	4000
	Leuchars ...	36	06·2	+4	SW	5	c	56	92	55	8	8	-	-	7-8	7-8	3900
12	Renfrew (Abbotsl.)	19	06·9	+10	SW'W	4	id_o	55	92	53	6	5	-	-	10	10	1200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	09·9	+4	[illegible]	2	bc	55	85	51	8	4	*	*	2-3	2-3	3800
13A	Tiree	22	03·7	+10	WSW	3	bc	55	85	52	8	8	-	-	2-3	2-3	1500
13B	Stornoway ...	80	58·0	+12	SSW	5	c/r	55	92	53	7	5	7	-	7-8	9+	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	05·6	+12	S'W	3	b	54	92	52	8	5	-	-	2-3	2-3	2500
	Wick ...	114	01·6	+2	S	5	bc	56	97	55	8	4	-	6	2-3	4-6	1000
16	Sumburgh ..	19	02·7	0	S	5	b	54	92	52	8	-	-	-	0	0	-
17	Blacksod Point	18	07·2	+2	WSW	4	c	57	65	46	8	8	-	-	7-8	7-8	1800
18	Malin Head ...	84	05·3	+6	SW'S	4	c	55	85	50	8	2	2	-	4-6	7-8	1500
	Aldergrove ...	268	08·6	+6	SW	3	c	54	85	49	8	5	2	-	7-8	10	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	09·0	-26	S'E	4	c	59	85	54	8	5	-	-	10	10	2500
	Roches Point	22	11·7	-14	WSW	2	it	56	97	55	7	6	2	-	4-6	9+	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force. 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	°F. Dew Point. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	18·3	+2	SSW	2	c	59	85	53	7	8	3	1	7-8	9	2500	1	*
	Croydon ...	18·2	+2	SSW	2	c	57	92	55	8	5	3	6	4-8	9+	3000	1	*
	S. Farnborough	18·1	+2	SSW	3	c	57	97	57	7	7	7	-	1	7-8	2000	1	*
	Boscombe Down	17·4	0	S	3	c	57	97	55	8	6	7	-	2-3	7-8	2000	0	*
	Thorney Island	18·3	+2	SW	3	bc	61	85	55	8	2	3	6	4-6	7-8	1500	0	*
	Lympne ..	20·3	+4	WSW	1	bc	50	92	56	7	5	3	6	1	7-8	1100	0	4
	Manston ...	19·1	+4	SSW	1	c	59	85	54	8	5	-	1	9	9	5500	0	*
2	Shoeburyness ...	18·9	+4	SSW	3	c	60	85	56	8	5	-	-	9+	9+	4800	1	*
	Felixstowe ...	18·6	+6	SW'S	3	bc	60	86	54	7	5	3	1	4-6	7-8	4000	0	2
	Gorleston ...	17·9	+10	SW'W	2	c	57	85	52	7	1	3	-	2-3	7-8	2500	0	3
	Mildenhall ...	17·9	+12	SW'S	3	c	57	80	52	8	-	3	6	0	9	-	0	*
	Cranwell ...	15·7	+2	SW	3	c	55	85	51	7	5	-	3	9	9+	7000	0	*
3	Birmingham ...	15·6	-2	S	3	c	54	86	50	7	-	3	-	0	7-8	-	0	*
	Upper Heyford	16·6	-2	SSE	3	bc	54	92	51	8	-	5	-	0	4-6	-	0	*
4	Ross-on-Wye	15·2	0	S'E	3	c	57	85	51	7	5	7	-	2-3	9+	2000	0	*
5	Hartland Point	12·7	-16	S	3	c	59	92	56	8	2	7	-	2-3	10	2500	1	4
	Bristol ...	16·6	0	S	3	c	58	85	55	8	5	3	-	9	9+	5700	1	*
	Portland Bill ...	16·9	-4	SSW	4	c	59	92	58	8	5	-	-	10	10	2500	1	4
	Plymouth ...	15·7	-6	SSW	3	it	61	92	59	7	5	-	-	9+	10	2000	1	2
	The Lizard ...	14·0	-16	SSE	5	$r_o r_o$	60	92	58	8	5	-	-	10	10	1000	1	5
	Scilly (St.Mary's)	10·4	-30	S'E	6	dr	60	97	60	5	5	-	-	10	10	300	1	4
6	Pembroke ...	11·0	-20	S'E	6	r+	60	97	58	6	6	1	-	7-8	10	2000	1	4
7	Holyhead (Valley)	11·0	-12	S	6	c/r	59	85	53	8	8	7	-	7-8	10	4000	1	4
	Chester (Sealand)	13·0	-2	S	2	c	56	85	50	7	5	3	9	4-6	9+	3500	0	*
8	Manchester ...	13·5	-2	S'E	4	Z_o	55	85	48	6	5	3	1	1	4-6	4000	0	*
10	Spurn Head ...	15·4	+4	S'W	4	bc	55	85	48	7	7	4	1	2-3	4-6	2500	0	3
	Catterick ...	12·9	+4	ESE	1	Z_o	54	85	50	6	5	9	-	1	9	6000	0	*
	Tynemouth ...	12·3	+4	SSW	4	c	55	85	49	6	8	-	-	9	9	1800	0	3
11	St. Abbs Head	09·4	+12	SSE	3	c	54	85	50	7	5	4	-	7-8	9	3000	0	3
	Leuchars ...	07·7	+8	SSW	4	c	56	92	54	8	5	7	-	4-6	9+	3800	0	*
12	Renfrew (Abbotsl.)	07·3	+6	SW'S	2	Z_o	55	85	50	6	8	2	-	4-6	9+	1000	1	*
	Eskdalemuir ...	04·6	+6	SW	3	c	51	85	48	7	5	-	8	7-8	9+	1500	1	*
	Point of Ayre...	09·6	+2	S	3	c	52	92	50	8	5	3	-	4-6	9	1200	1	*
	Tiree	10·2	0	SW	3	bc	53	85	49	8	7	4	-	2-3	2-3	3000	0	3
13A	Stornoway ...	04·6	+4	SW'W	5	bc	55	85	49	8	8	3	9	2-3	4-6	2500	0	4
13B	Dalwhinnie ...	01·0	+16	SSW	4	c	55	92	53	7	5	7	-	7-8	9+	2000	1	3
15	Aberdeen † ...	04·6	+6	SW	3	c	51	85	48	7	5	-	8	7-8	9+	1500	1	*
	Wick ...	03·2	+18	S	3	bc	56	88	50	8	7	-	8	4-6	4-6	2500	0	2
16	Sumburgh ..	03·0	+6	S	4	r+	55	92	52	8	8	-	-	7-8	7-8	2500	0	3
17	Blacksod Point	01·2	-36	S'E	4	$r_o r_o$	54	97	53	7	-	2	-	10	10	800	1	3
18	Malin Head ...	04·6	-10	S'W	3	c	54	85	53	8	5	2	-	4-6	7-8	1500	1	3
	Aldergrove ...	07·6	-6	S'W	2	c	53	85	48	8	5	-	-	9+	9+	4000	1	*
19	Birr Castle ...	04·5	-36	SSE	4	c	57	92	55	7	5	-	-	10	10	1500	1	*
20	Valentia Obsy.	02·6	-18	SSW	4	$r_o r_o$	61	97	59	6	6	-	-	10	10	800	1	4
	Roches Point	04·2	-38	S	6	dr	58	97	57	5	5	-	-	10	10	450	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 20th Hrs. (38)
1	London (Kew)	69	54	47	0·1	-	7·9
	Croydon ...	69	52	51	0·3	0·2	8·0
	S. Farnborough	70	54	47	0·4	Tr	9·0
	Boscombe Down	68	51	41	1	Tr	8·2
	Thorney Island	67	58	55	0·1	-	*
	Lympne ..	67	52	*	-	-	10·9
	Manston ...	70	52	48	-	-	9·2
2	Shoeburyness ...	72	55	46	0·5	Tr	7·1
	Felixstowe ...	74	56	52	-	-	9·5
	Gorleston ...	73	55	53	-	-	9·5
	Mildenhall ...	72	54	46	-	-	10·8
	Cranwell ...	68	49	44	Tr	-	10·3
3	Birmingham ...	68	53	47	0·2	-	7·8
	Upper Heyford	68	52	47	0·4	-	*
4	Ross-on-Wye	66	53	47	0·1	-	7·0
5	Hartland Point	62	56	54	Tr	1	4·6
	Bristol ...	65	54	46	1	Tr	9·2
	Portland Bill ...	61	57	*	-	-	*
	Plymouth ...	65	58	55	Tr	Tr	8·3
	The Lizard ...	65	58	*	1	1	8·9
	Scilly (St.Mary's)	66	57	*	1	1	6·7
6	Pembroke ...	57	57	*	-	0·5	4·6
7	Holyhead (Valley)	64	56		-	0·2	*
	Chester (Sealand)	69		48	-	-	9·0
8	Manchester ...	67	52	47	Tr	-	*
10	Spurn Head ...	70	51	*	-	-	8·5
	Catterick ...	66	52	49	Tr	0·2	8·2
	Tynemouth ...	68	54		-	-	*
11	St. Abbs Head	64	52	*	-	-	*
	Leuchars ...	65	53	48	0·5	Tr	7·1
12	Renfrew (Abbotsl.)	62	54	51	2	1	1·6
	Eskdalemuir ...	56	49	45	2	3	1·6
	Point of Ayre...	60	53	49	1	5	2·1
13A	Tiree	67	51	*	-	Tr	3·5
13B	Stornoway ...	60	54	*	5	0·3	2·9
15	Dalwhinnie ...	57	54	*	2	4	1·3
	Aberdeen † ...	56	49	45	2	3	1·6
	Wick ...	62	54	50	Tr	Tr	8·0
16	Sumburgh ..	62	52	48	-	-	*
17	Blacksod Point	59	53	50	-	-	5·4
18	Malin Head ...	60	53	*	0·6	0·4	*
	Aldergrove ...	61	50		2	1	3·1
19	Birr Castle ...	63	51	47	6	0·3	2·9
20	Valentia Obsy.	63	51	49	1	0·1	1·6
	Roches Point	62	56	53	Tr	4	3·1

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 20th August ... 18h. G.M.T. ... 01h. G.M.T. 21st August ... 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFFWN	C_L C_M	wwVhN$_h$	DDFFWN	C_L C_M	wwVhN$_h$	DDFFWN	C_L C_M	wwVhN$_h$	DDFFWN
109	07	05709	48503	57	05751	47503	5-	00773	49508	84	00993	50513
115				52	81844	20467	52	81844	20587	52	81734	53587
203	5-	81836	16588	5-	81838	16588				6-	02937	20367
206	84	81955	49587	84	01954	51485	50	01864	20414	5-	02965	20415
210	26	01963	00265	23	02864	50425	00	00990	15300	57	02973	50414
220	53	22744	16565	83	02735	17566				83	01734	19485
230	82	82746	18487	87	10855	18485	8-	25845	51385	87	81746	18387
245	8-	02867	45417	86	19486	04060	40	00763	51483	86	02965	19416
260	24	01854	51515	57	25844	51586	5-	02764	20524	57	01855	24217
278	87	02855	18426	86	82747	22387	8-	81746	28386	57	01864	16225
279	37	25755	52687	8-	81757	51627	52	62745	20566	85	02964	18465
285	27	81635	24587	37	82745	24587						
288	27	05664	51514				54	01853	16414	05	02790	14425
575	26	25845	22587	36	25845	55587	8-	81848	22388	57	02965	16228
301				46	02863	53526	5-	62845	22386	53	02744	16427
321	80	01854	22424	56	02864	20385	50	01783	18213	03	05690	18325
299	84	02765	22215	57	01762	20213	50	01763	20313	54	01764	22215
292	8-	02754	22315	80	01763	22385	50	05661	16211	53	05572	15215
310										--	02628	24428
614	26	05665	22315	83	02764	18115	50	05674	19224	03	05680	16225

13h. G.M.T. 20th August ... 18h. G.M.T. ... 01h. G.M.T. 21st August ... 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFFWN	C_L C_M	wwVhN$_h$	DDFFWN	C_L C_M	wwVhN$_h$	DDFFWN	C_L C_M	wwVhN$_h$	DDFFWN
328	24	01853	22514	53	02853	53516	53	02854	53517	52	52636	50468
334	--	02645	26415	--	01864	26414						
340	86	25865	20485	23	02964	22315	5-	01874	18284	53	02763	18327
136	86	02755	22325	26	01863	20313	03	01790	21214	53	03774	18216
336	20	81646	24586	80	01753	20515				13	01763	16315
350				80	01863	20323	5-	01774	18214	53	02773	18325
368	86	01854	23425	86	25955	22487	5-	81758	55488	57	02942	20388
379				10	00842	20302	03	00790	20313	07	02890	20416
390	26	02754	22415	8-	25555	16285	53	05662	18213	53	05567	18117
382	26	01864	22425	86	25964	18384	56	00772	00003	55	02872	14215
438	27	01753	24414	14	01852	24443	20	00762	22402	20	02743	20414
430	20	01853	22413	83	01953	22313	50	00861	22211	23	02854	18225
409				87	02866	21427	50	01864	18314	52	64627	16468

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

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

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

LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	bccy	tpr. bc	bcbcw	Kew 24 hours ended 7h. Max. Time 0.1 16h 20th. Min. Time 20·1 Rest of Period.
Croydon ...	bbcc	bcy cpr c	pr bcw	
Greenwich ...	bcy	cpy cp	c bc bc	
Camden Square	bc	bc	*	
Kensington ...	bc	bc	bep	
Hampstead ...	bc	bcp	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 13h % Yesterday	Humidity 9h % To-day
Kew ...	69	54	47	0·1	-	7·9	*	*
Croydon ...	69	52	51	0·3	0·2	8·0	*	*
Greenwich ...	71	53	40	0·3	-	8·5	52	66
Westminster ...	70	56	53		1		57	77
Regents Park ...	71	55	45	0·8	-		53	62
Camden Square	71	55	50	0·3	-	*	*	69
Kensington ...	72	55	47	2	-		75	67
Hampstead ...	71	53	48	0·1	-		*	75

SECRET

Page 1 BRITISH SECTION

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

Saturday 22nd August 1942

No. 29493

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	16·4	-14	S	4	°/pr	64	65	53	8	8	-	7	7·8	10	2500
	Croydon	17·5	-6	SSW	3	iro	64	65	53	8	2	2	-	4-6	10	2000
	S. Farnborough	16·1	-16	SSW	4	c	64	75	55	8	7	7	-	7·8	10	1500
	Boscombe Down	15·0	-18	S'W	5	rr	58	97	57	7	8	7	-	9+	10	1400
	Thorney Island	17·3	-10	SSW	5	ir	64	85	58	8	5	7	-	2-3	10	1500
	Lympne	19·2	-10	S	3	c	64	75	55	8	1	7	-	rr	9	4000
	Manston	18·3	-6	SSW	4	c	67	55	55	8	2	3	-	4-6	9+	3200
2	Shoeburyness	17·7	-16	S'W	3	c	69	66	53	8	7	3	-	2-3	9+	3500
	Felixstowe	17·6	-10	S'W	5	c	71	45	50	8	1	7	-	2-3	7·8	4000
	Gorleston	16·3	-16	SSW	6	c	65	75	55	7	8	3	-	4-6	7·8	2300
	Mildenhall	15·0	-20	SSW	5	c	70	45	50	8	7	3	-	4-6	9	3000
	Cranwell	12·9	-20	S'W	4	c	66	65	52	8	5	7	-	7·8	9+	2500
3	Birmingham	12·1	-14	SSE	5	c/r	60	85	56	8	6	2	-	7·8	10	1500
	Upper Heyford	14·4	-14	S'E	4	iro	62	75	53	8	5	2	-	9	10	1000
4	Ross-on-Wye	12·1	-20	S	5	ido	59	85	53	6	6	2	-	4-6	10	900
5	Hartland Point	09·1	-6	ENE	2	roro	62	97	62	6	5	2	-	9	10	600
	Bristol	13·5	-22	S	5	roro	58	97	57	7	-	2	-	10	10	800
	Portland Bill	14·7	-20	SE	4	ir	60	92	58	7	5	-	-	10	10	2500
	Plymouth	11·9	-22	SSW	5	rr	61	97	61	5	-	2	-	10	10	300
	The Lizard	11·2	-2	WSW	5	°/f	63	97	61	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	10·6	+8	SW'W	4	c/d	63	97	63	7	5	-	-	9+	9+	500
	Guernsey															
6	Pembroke	07·2	-10	SW'S	6	rr	61	97	61	6	8	2	-	7·8	9+	1500
7	Holyhead (Valley)	05·2	-36	SSE	7	roro	61	92	58	6	5	-	-	10	10	1000
	Chester (Sealand)	08·2	-30	SSE	5	ido	62	85	56	6	6	1	-	7·8	9+	1500
8	Manchester	10·1	-20	SSE	5	roro	61	75	54	6	5	2	-	7·8	10	1500
10	Spurn Head	13·6	-12	SSW	5	bc	67	55	52	7	2	6	-	4-6	9	4000
	Catterick	10·0	-22	S'E	5	zo	65	55	48	6	8	7	-	7·8	9+	2500
	Tynemouth	10·3	-12	SSW	6	c	66	55	47	7	2	3	-	4-6	7·8	2600
11	St. Abbs Head	07·7	-36	SSE	3	c	59	75	51	8	5	-	-	10	10	2500
	Leuchars	06·8	-12	SSE	2	iro	60	85	55	8	5	7	-	4-6	10	2200
12	Renfrew (Abbots I.)	04·7	-26	ESE	1	roro	56	92	54	5	5	2	-	9+	10	1400
	Eskdalemuir	06·7	-18	S'E	3	dodo	55	92	53	8	5	2	-	9	10	1400
	Point of Ayre	04·9	-30	SW	5	DD	58	97	58	6	6	2	-	9	10	800
13A	Tiree	00·3	-32	SE'S	5	rr	55	92	52	6	5	2	-	2-3	10	4000
13B	Stornoway	01·8	+2	SSW	4	°/pr	56	85	53	8	5	7	-	7·8	10	2000
15	Dalwhinnie	05·5	-2	SW	3	d	54	75	46	7	5	-	-	10	10	2500
	Aberdeen	06·8	-2	SW	4	bc	62	55	58	8	7	4	6	4-6	4-6	3000
	Wick	04·5	+6	SSW	5	bc	63	85	58	9	2	3	5	4-6	4-6	3000
16	Sumburgh	04·8	+8	S'W	4	bc	59	85	53	8	8	3	-	2-3	4-6	4000
17	Blacksod Point	98·9	+18	SW	5	°/d	62	85	58	7	5	-	-	7·8	7·8	1500
18	Malin Head	96·6	-50	SSE	4	dodo	60	97	59	7	5	2	-	4-6	10	1500
	Aldergrove	00·6	-42	SE	3	c/r	59	92	47	8	5	2	-	9+	10	1500
19	Birr Castle	03·0	+12	SSW	4	c	62	75	54	8	8	2	-	7·8	9	1500
20	Valentia Obsy.	05·9	+14	SW'W	5	c	64	85	60	8	2	-	-	7·8	7·8	2500
	Roches Point	05·5	+16	WSW	4	bc	63	76	55	8	5	-	-	4-6	4-6	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.—13h. 21st (39)	Weather 13h.—18h. 21st (40)	Weather 18h. 21st to 1h. 22nd (41)	Weather 1h.–7h. 22nd (42)
1	London (Kew)	13·1	-16	S	4	iro	61	85	58	7	5	-	-	10	10	1500	1	•	cproc	iro rro iro	ciroc	c, bbcw
	Croydon	13·2	-22	S	5	dodo	59	97	58	6	6	7	-	7·8	10	700	1	•	bcciro	crorodomo	cdodoc	cbccw
	S. Farnborough	12·5	-20	S	4	dodo	60	97	59	5	6	2	-	7·8	10	400	1	•	ciro	idorrododo	mocdorom	bcbccmoc
	Boscombe Down	12·2	-18	S'W	4	dodo	60	97	60	5	5	-	-	10	10	600	1	•	ccrr	crrmo	qdodoc	cbcwmo
	Thorney Island	13·8	-18	SSW	5	rr	61	92	58	5	5	-	-	10	10	800	1	•	cbccro	cirrro	orrbc	bccmow
	Lympne	17·0	-12	SSW	3	roro	60	85	56	7	5	2	-	4-6	10	4000	1	•	cbc	bccro	crodoido	cmobcc
	Manston	15·9	-10	SSE	2	rr	60	85	54	7	5	-	-	10	10	5000	1	§ •	cyc	cy	crorodomo	cdodomobc
2	Shoeburyness	15·2	-14	SSW	4	roro	61	85	57	7	5	2	-	7·8	10	1000	1	•	cbccy	cyiroroo	croroc	c
	Felixstowe	15·5	-14	SSW	6	iro	64	65	53	7	5	-	-	10	10	4000	0	3	ccy	ciro	irororoiro	irocmobcb
	Gorleston	14·0	-12	SSW	5	c	64	65	50	7	5	4	-	4-6	10	1800	0	5	bcyc	c	pmoqlc	cbc
	Mildenhall	13·0	-10	S	5	ido	63	65	52	8	2	-	-	7·8	10	1100	0	•	ccy	cycido	cidoc	cbcb
	Cranwell	10·2	-14	S	5	c	60	85	55	8	5	-	-	10	10	1200	0	•	c	crrc	cdodocbc	mobcmob
3	Birmingham	08·1	-14	SSW	3	iro	59	92	57	8	6	2	-	9+	10	800	0	•	co	oiro	oc	c
	Upper Heyford	11·0	-26	S	4	iro	60	92	56	8	5	-	-	10	10	200	1	•	cciroc	cirorrmo	croromoc	bcwcw
4	Ross-on-Wye	08·8	-12	S'W	4	ido	67	92	63	7	6	8	-	9+	9+	800	0	•	ccroc	doCroC	cbcc	cc
5	Hartland Point	09·6	+8	WSW	5	c	61	85	58	8	5	4	-	7·8	9+	2000	1	4	rororrc	croro	cbcc	cp
	Bristol	10·9	-4	S'W	4	f/d	62	97	61	8	9	3	11	4-6	7·8	300	1	•	crorodo	roCidodo	ccproirob	cbccido
	Portland Bill	11·9	-6	SW	5	rr	59	92	57	6	5	-	-	10	10	2500	1	5	coir	orr	oc	c
	Plymouth	11·7	+4	W'S	4	bc	62	92	59	8	5	-	-	4-6	4-6	1500	0	3	qrrmmo	cdodomoido	cbcc	cbcmoplo
	The Lizard	12·3	+4	W'S	4	c	60	92	58	8	8	2	-	7·8	9+	1500	1	4	rrmfo	oidc	bccbc	bcprc
	Scilly (St. Mary's)	11·8	+4	SW'W	4	c	61	85	57	7	8	6	-	7·8	9+	1200	1	5	rdridf	cdoc	cbcc	cpo
	Guernsey																					
6	Pembroke	08·4	+2	SW	6	bcq	60	85	56	7	2	4	-	2-3	2-3	2500	1	5	cqrrmo	cidbcqmo	cprq	cqpr
7	Holyhead (Valley)	05·1	+2	SSW	6	c	60	92	57	7	5	-	-	9+	9+	3000	1	4	croro	rodoc	cbccmo	cbcc
	Chester (Sealand)	06·7	0	SE	2	c	64	75	58	8	8	-	9	9	9	1600	0	•	cirdo	cidoc	cb,c	cbcpr
8	Manchester	07·5	-14	SSE	5	c	61	85	55	6	5	2	-	7·8	9+	1500	1	•	irozo	irozoc	cpromob	cbcc
10	Spurn Head	09·8	-14	SW	6	cq	63	75	56	7	5	2	-	4-6	10	2500	0	5	c	cq	bc	c
	Catterick	06·3	-16	SSE	3	dodo	59	92	57	6	5	2	-	9	10	700	1	•	cmoc	zocrrmo	cdodomo	cmoiro
	Tynemouth	05·6	-20	S	6	°/pr	60	85	54	6	8	-	-	9+	9+	2600	1	3	cbcc	cpo	c	cbc
11	St. Abbs Head	00·7	-32	SSE	6	iro	59	92	56	6	5	-	-	9	9	2500	1	4	c	cromo	cprbcb	bbccmo
	Leuchars	00·8	-40	SSE	3	u	59	97	59	6	8	3	4	7·8	9+	1800	1	•	ciro	c	romocbc	ccirc
12	Renfrew (Abbots I.)	00·8	-10	SW'S	3	iro	60	85	56	7	8	4	8	9	10	1800	1	•	cdodororo	cmoddiro	bcmobc	cmdorodo
	Eskdalemuir	01·7	-22	SSW	6	rr	58	97	57	4	-	2	-	10	10	200	1	•	cbdo	cdorr	cmo	Rro
	Point of Ayre	02·1	0	W	4	bc	63	85	58	8	5	4	6	2-3	2-3	5000	1		bccDD	Dcbc	bccbc	bccbc
13A	Tiree	97·3	+10	SW	5	ido	57	85	53	7	5	2	-	7·8	10	600			coirorrmo		oddrr	crrdodo
13B	Stornoway	98·0	-14	E	4	rr	54	97	53	6	5	2	-	9	10	1000	0		cpr		cdd	cdd
15	Dalwhinnie	99·5	-40	SE	3	roro	55	92	52	5	5	-	-	10	10	1500	1		c	ororo		ociro
	Aberdeen	03·4	-30	SSE	4	rr	55	97	54	4	5	2	-	4-6	10	2900	1	3	cbc	bccrrm	cirobc	bcciro
	Wick	02·4	-18	SE	4	rr	55	85	53	6	5	7	-	2-3	10	3500	0	•	bc	ccrr	cbc	c
16	Sumburgh	04·4	-4	S'E	5	c	54	92	52	8	5	7	-	4-6	10	4000	0	3	cprocbc	bcc	crrroromo	crorpromo
17	Blacksod Point	98·9	+2	SW	6	c	59	85	55	7	5	-	-	10	10	1500	1		d	c	bc	bc
18	Malin Head	97·7	+10	WSW	5	bc	59	75	51	8	9	-	1	4-6	4-6	2500	1		r	r	pr	r
	Aldergrove	00·9	+2	WSW	3	bc	62	75	53	8	5	1	-	4-6	4-6	2500	1	•	cirororoc	c	cbcbcrc	prcproc
19	Birr Castle	02·3	+2	SW	5	c	61	65	50	8	5	-	-	7·8	7·8	2600	1	•	r	c		r
20	Valentia Obsy.	06·0	0	SW	5	c	60	85	56	8	8	-	-	9+	9+	1500	1		r	pr	pr	r
	Roches Point	07·5	+6	WSW	5	bc/pr	70	85	66	8	8	-	-	4-6	4-6	1500	1		d	pr	pr	c

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; South Wales	Moderate South west wind fresh locally veering West; cloudy; showers; perhaps local thunder; bright intervals locally; cool.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Moderate West wind fresh or strong locally at first; cloudy; some rain; bright intervals and showers later; local thunder; cool.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Light variable winds becoming West or Northwest moderate or fresh; dull; some rain; bright intervals and showers later; local thunder; cool.
16 Orkneys and Shetlands	As 13A - 15.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Moderate or fresh West to North west wind; bright intervals; local showers; cool.

GENERAL INFERENCE

A complex depression over and to north of Scotland is moving slowly northeast. Weather will be cloudy and cool with occasional rain or showers.

FURTHER OUTLOOK

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

Forecasts issued at 10.30.

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

7h. Saturday 22nd August 1942. 1942.

10° 5°W. 0° 5°E 10°

60° 55° 50°

Low 998 1000 1002 1004 1006 1008 1010 1012 1014

High

STATION MODEL

High Cloud

Medium cloud — Total Amount of cloud

Temperature °F. — Wind

Present weather — Barometer mb.

Visibility — Bar. change in past 3 hours in mbs.

Dew Point °F — Weather in past hour

Low cloud — Past weather

Amount of Low cloud — Height of Low cloud

Mb. 1050 1040 1030 1020 1010 1000 990 980 970 960 950

15°E. Scale 1 : 5,000,000.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Saturday 22nd August

1942.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Saturday 22nd August 1942

No. 29493

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	61	*	*	*	*	*	*	*	*	*
	Croydon	290	12·6	-2	SW	3	c	60	92	58	7	5	-	1	4-6	7-8	2500
	S. Farnborough	226	12·5	+2	SW'W	3	bc	58	92	56	8	5	3	-	2-3	4-6	1500
	Boscombe Down	417	13·0	+6	SW'S	3	c	57	85	52	7	6	-	-	9+	9+	3700
	Thorney Island	10	13·4	+2	SW	4	bc	60	85	56	8	5	-	-	4-6	4-6	4000
	Lympne	283	15·1	-6	SSW	4	c/d	60	97	60	6	5	-	-	9	10	900
	Manston	154	13·2	-12	SSW	3	dodo	61	97	60	6	6	2	-	9+	10	800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	13·2	-10	SSW	5	ifo	62	97	61	6	5	-	-	10	10	1300
	Gorleston	5	11·6	-8	SW'S	4	Zo	61	92	58	6	5	-	-	7-8	10	1500
	Mildenhall	15	11·0	-6	SW'W	4	c/d	62	85	58	8	5	2	-	7-8	9+	1300
	Cranwell	203	09·1	-2	SW	3	Zo	57	85	51	6	5	-	-	7-8	7-8	3500
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	11·0	-2	SW'W	1	c	56	85	52	8	5	-	-	9+	9+	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	09·8	-4	WSW	5	c	60	92	58	8	4	-	-	7-8	7-8	2500
	Bristol	209	12·2	+2	SW'S	3	bc	58	85	53	7	5	-	-	4-6	4-6	4000
	Portland Bill	32	13·4	+4	SW	4	c	59	92	57	8	5	-	-	7-8	7-8	4000
	Plymouth	82	13·0	-4	WSW	3	Zo	61	92	58	6	5	-	-	9+	9+	2200
	The Lizard	240	13·0	-4	W	4	bc	59	92	57	8	8	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	12·3	-4	SW'W	4	c	59	92	56	7	8	-	-	9+	9+	1200
	Guernsey	175															
6	Pembroke	142	08·8	-6	SW'S	6	cq	60	85	56	7	8	-	-	7-8	7-8	2500
7	Holyhead (Valley)	32	06·6	-2	SSW	6	c	59	85	56	7	5	-	-	9	9	5000
	Chester (Sealand)	16	07·2	-2	S'W	2	c	60	75	51	8	5	-	-	10	10	4000
8	Manchester	235	07·7	-2	'S	4	c	57	85	51	8	5	6	-	7-8	10	2500
10	Spurn Head	29	08·7	-4	SW	5	bc	61	85	58	7	5	6	-	2-3	4-6	2500
	Catterick	175	06·3	-4	SW	3	Zo	58	85	54	6	5	3	-	7-8	9+	2300
	Tynemouth	108	05·5	0	S	5	Zo	59	85	54	6	5	-	-	7-8	7-8	2500
11	St. Abbs Head	280	02·5	0	SSW	2	b	55	97	54	7	5	-	-	1	1	4000
	Leuchars	36	00·8	-2	—	0	b	54	97	54	7	5	-	-	1	1	4000
12	Renfrew (Abbots I.)	19	01·5	-2	SSW	3	bc	57	75	50	7	4	7	-	4-6	4-6	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	03·0	-8	WS	4	bc	57	86	51	8	5	-	-	2·3	2·3	2500
13A	Tiree	22	97·0	-6	SW	5	rr	56	92	54	6	-	2	-	10	10	1500
13B	Stornoway	80	96·9	+8	S	3	c/d	55	97	55	7	5	2	-	9	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	01·2	+6	S	2	b	54	97	53	8	5	-	-	1	1	2500
	Wick	114	00·2	+6	SSE	3	bc	55	85	52	8	5	-	8	4-6	4-6	2000
16	Sumburgh	19	00·4	-24	SSE	5	roro	55	97	55	5	6	-	-	10	10	800
17	Blacksod Point	18	00·0	+10	W'N	3	c	56	97	55	7	5	-	-	9+	9+	1500
18	Malin Head	84	96·5	-10	SSW	5	iD	56	92	54	8	5	2	-	7-8	10	2500
	Aldergrove	268	00·7	-12	S'E	4	pr	56	85	51	8	5	2	-	7-8	10	1700
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	06·1	+2	WSW	4	c/pr	58	85	54	8	8	-	-	10	10	1500
	Roches Point	22	06·5	-10	SW	4	bc	58	85	54	8	3	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 22nd August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 21st Hrs. (38)
London (Kew)	12·6	0	SW'S	4	bc	61	85	57	7	5	-	1	4-6	7-8	2500	1	*	66	58	55	0·3	Tr	3·1
Croydon	12·8	+2	SSW	3	bc	58	92	57	7	5	3	2	1	4-6	800	1	*	65	56	54	1	2	3·2
S. Farnborough	12·5	+6	SW	4	c	59	92	57	7	8	7	6	4-6	9	2000	1	*	67	56	52	1	1	2·2
Boscombe Down	12·5	+2	SW	4	c	58	92	56	7	5	7	6	4-6	9+	4000	1	*	62	54	45	4	0·1	0·8
Thorney Island	13·4	+4	SW	4	Zo	61	85	58	6	8	-	1	7-8	7-8	800	1	*	66	59	56	4	-	*
Lympne	15·0	+2	SW	2	Zo	58	92	56	6	5	3	4	4-6	4-6	4500	1	§4	66	56		0·2	1	5·5
Manston	13·6	+6	SSW	1	Zo	59	85	55	6	5	3	4	1	2-3	4000	1	*	61	56	50	1	1	4·8
Shoeburyness	13·3	+4	SSW	4	c	60	85	56	8	5	-	-	7-8	7-8	4700	1	*	71	58	52	0·5	0·2	3·4
Felixstowe	12·9	+6	SW	4	bc	60	85	55	8	5	-	4	1	2-3	4000	0	3	73	60	56	-	0·4	5·4
Gorleston	11·7	+6	SW	3	bc	59	85	53	8	-	7	-	0	2-3	-	0	3	68	58	54	Tr	0·1	5·[illegible]
Mildenhall	11·2	+2	SSW	4	bc	59	85	53	8	-	3	-	0	2-3	-	0	*	71	56	50	-	Tr	4·8
Cranwell	08·9	+2	SW	4	b	58	85	54	7	5	-	9	Tr	1	7000	1	*	69	53	49	0·1	Tr	3·3
Birmingham	09·1	+2	SSW	3	c	57	92	55	7	6	7	-	9	10	800	0		63	55	50	0·2	-	0·4
Upper Heyford	10·6	+6	SSW	4	c	57	92	54	7	5	-	-	9+	9+	2800	1	*	64	54	50	1	0·3	*
Ross-on-Wye	09·8	0	SSW	3	ifo	57	92	55	7	6	7	-	7-8	9+	800	1	*	63	57	54	Tr	0·1	0·2
Hartland Point	09·2	+4	WSW	4	c/pr	60	85	56	7	2	4	2	2-3	7-8	2000	1		62	58	57	4	0·4	0·1
Bristol	11·8	+4	SW	4	c/d	58	92	56	7	5	3	2	2-3	9+	2500	1	*	62	56	51	1	0·5	0·0
Portland Bill	12·7	-2	SW	4	c	59	92	57	8	5	4	-	4-6	10	4000	1	4	61	57	*	5	1	*
Plymouth	12·1	-4	SW	4	pr	60	92	57	6	8	-	-	9	9	1000	1	3	64	59	56	7	Tr	0·9
The Lizard	11·6	-4	WSW	5	c/pr	60	92	58	8	8	2	-	7-8	9+	1500	1	4	63	58	*	6	0·5	1·6
Scilly (St. Mary's)	11·5	+2	SW'W	3	cjp	58	97	56	7	8	7	-	7-8	9+	1200	1	3	64	57	*	5	0·3	3·0
Guernsey																							
Pembroke	07·9	0	SW	6	pr	58	92	55	8	8	6	-	7-8	7-8	2500	1	5	62	59		5	0·6	1·9
Holyhead (Valley)	05·1	+2	SW'S	6	c	59	85	54	7	5	7	-	7-8	9+	4000	1	5	63	58	54	1	-	*
Chester (Sealand)	06·5	-2	SE	2	c/pr	57	92	56	7	8	-	4	7-8	9+	3000	1	*	65	57	49	1	0·1	1·3
Manchester	07·1	+2	S	4	c	57	85	53	8	5	7	-	7-8	9+	5700	0	*	64	55	50	0·2	Tr	*
Spurn Head	08·1	-2	SW'S	5	c	58	85	52	7	5	3	-	4-6	7-8	2500	0	4	67	63		-	-	4·0
Catterick	05·6	-2	SW	3	ifo	59	75	51	7	5	3	2	1	9+	2500	1	*	67	56	53	1	Tr	2·9
Tynemouth	04·9	+4	SSW	3	bc	59	75	51	6	2	3	-	2-3	4-6	2500	0	2	67	57	*	Tr	-	*
St. Abbs Head	01·6	-12	SSW	3	c	55	92	52	7	5	4	-	4-6	7-8	3500	0	3	63	53	*	1	0·3	
Leuchars	01·0	+4	—	0	c	56	97	55	7	5	7	-	7-8	9+	4000	1	*	63	51	41	1	0·5	1·6
Renfrew (Abbots I.)	00·6	0	S	2	c/d	56	92	54	6	5	-	-	9+	9+	1000	2	*	62	54	50	3	2	1·3
Eskdalemuir	01·9	-2	SW	4	roro	54	92	52	7	5	-	-	10	10	800	1	*	58	52	52	8	6	1·4
Point of Ayre	02·4	0	W	5	bc	58	85	53	8	5	3	6	2-3	4-6	3000	1	4	63	56	*	2	-	1·5
Tiree	97·7	+22	ENE	1	c/d	56	97	55	7	5	-	-	9	9	800	1	3	59	54	*	8	5	0·4
Stornoway	99·3	+18	S	1	c/d	54	92	52	7	5	2	-	9	10	1500	1	2	58	53	*	5	7	0·5
Dalwhinnie	99·6	+2	S	3	o	52	85	49	7	5	-	-	10	10	1500	1	*	58	48	38	3	2	1·8
Aberdeen †	01·6	0	SSW	2	ifo	56	92	54	7	5	-	-	9	9	2500	1	2	(62)	54	50	2	0·5	5·2
Wick	99·5	+6	S'W	3	c	55	85	49	8	8	7	-	7-8	9+	2500	1	*	63	52	48	-	6	*
Sumburgh	00·3	+6	SSW	3	c	55	97	54	6	5	7	-	4-6	9+	2000	1	3	59	53	52	-	6	4·8
Blacksod Point	05·2	+32	NW	3	bc	56	85	52	8	8	-	-	7-8	7-8	1500	1	3	62	54	*	0·6	2	*
Malin Head	97·2	+22	W'S	5	id	56	97	55	6	-	2	-	10	10	-	1	4	62	54		2	2	1·1
Aldergrove	00·8	+8	SW	3	c/pr	56	97	55	8	5	-	-	9+	9+	1000	1	*	65	53	48	1	1	2·0
Birr Castle	04·0	+10	SW	2	c	57	97	56	7	6	2	-	7-8	10	800	1	*	65	55	54	2	3	1·9
Valentia Obsy.	06·4	+8	WSW	5	iR	58	92	56	6	6	2	-	9	10	800	1	4	65	56	54	8	3	3·9
Roches Point	06·7	+6	WSW	3	c	57	92	55	8	5	3	-	4-6	7-8	2500	1	4	(70)	57	*	0·6	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 21st August $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 22nd August $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	87	81855	49426	57	03753	14488	5-	03853	23323	52	64744	20387
115	52	02844	53587	52	02844	20227	52	02835	20488	57	02754	16126
203										5-	62838	16268
206	57	02964	51487	52	64756	08368	5-	01864	22114	52	62756	00068
210	17	02961	04862	57	61866	11467	50	00961	16181	52	62854	12268
220										62	22435	00068
230				83	22746	20367	5-	62748	16268	5-	52748	00068
245	57	02864	16417	52	22646	46568	5-	00753	18363	57	51753	16267
260	52	02844	16327	57	81744	16385	50	00752	20212	53	01864	18265
278	62	64527	15368	84	01853	20313	57	61857	18418	53	02836	51467
279	52	22756	15568	62	56525	49668	5-	02766	18326	52	22645	51468
285	5-	03748	14528	02	63638	18568				6-	636310	22468
288	57	02775	15517	62	51646	48568	50	05664	16424	57	01663	49424
575	5-	52847	20568	20	01853	57513	5-	61648	24468	5-	52635	26568
301	52	51652	47668				50	02854	20528	5-	61744	21668
321	57	02865	20627							04	05690	51317
299	70	02765	20415	5-	02767	20427	50	02754	20324	5-	02765	20415
292	57	10766	49428	52	22746	15468	50	05663	17313	53	05664	16216
310				--	48209	20549				--	03628	20327
614	27	51695	53328	52	05646	49328	53	05664	20456	13	05563	18316

III	13h. G.M.T. 21st August $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 22nd August $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	62	52736	49658	52	02746	51458	03	02790	53525	5-	02747	53527
334	--	54547	26458									
340	5-	22868	17568	54	02755	17625	50	00793	18313	5-	02865	19486
136	77	02764	20327	52	02844	19528	5-	02743	21365	5-	01775	18415
336	62	64526	20468							57	22756	20368
350	77	02855	17527	52	62637	50568	56	05664	21324	57	02775	51426
368							23	25755	22586	53	01754	22485
379							50	01754	20454	5-	22758	20468
390	57	02754	18426	52	52547	16468	51	05646	20307	50	05641	18314
382	72	02845	50568				5-	02767	20117	57	21767	18218
438	5-	02746	22416	8-	62428	24588	50	01544	22524	87	02654	23415
430	57	02743	18428	5-	64428	16468				53	02654	20315
409	62	56507	18558	57	02856	22527	50	01853	20423	53	02745	19325

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 22nd August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	cpr.c	ir.r.ir.	cir.,bccd
Croydon	bccir.	cr.d.m.	cd.d.,cw
Greenwich	bcc	cir r.	id.dbc
Camden Square	c	c	*
Kensington	bcc	ocm	*
Hampstead	bc	or	bc

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

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	66	58	55	0·3	Tr	3·1	*	*
Croydon	65	56	54	1	2	3·2	*	*
Greenwich	70	57	49	1	Tr	3·6	65	70
Westminster	68	59	55	0·3			75	79
Regents Park	68	58	54	-	0·1		75	71
Camden Square	67	57	53	0·5	Tr	*	*	70
Kensington	72	57	51	0·4	-		88	72
Hampstead	72	55	51	0·2	-		*	81

SECRET

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

Sunday 23rd August 1942

No. 29494

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

District.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	11·0	-10	SSW	4	c	66	65	55	6	8	7	1	7-8	9	2500
	Croydon ...	11·8	-10	SSW	4	c	67	75	52	7	2	8	2	2-3	9+	2800
	S. Farnborough	11·3	-10	SW	5	c	67	65	54	8	7	7	6	4-6	7-8	2500
	Boscombe Down	11·5	-6	SW'S	5	p+	61	92	59	7	8	7	-	4-6	9+	800
	Thorney Island	12·5	-10	SW	4	c	65	75	58	7	5	4	-	7-8	9	800
	Lympne ...	14·0	-8	SSW	4	c	67	65	57	8	2	-	6	2-3	9+	2500
	Manston ...	12·7	-6	SSW	3	c	68	68	55	7	2	-	6	2-3	9+	3000
2	Shoeburyness ...	12·5	-16	S'W	4	c	70	65	57	8	8	7	-	9	9	3000
	Felixstowe ...	11·7	-8	SSW	5	c	67	65	57	7	7	-	-	10	10	4000
	Gorleston ...	11·1	-6	SW	4	c	63	85	58	7	5	-	-	9+	9+	1500
	Mildenhall ...	10·3	-10	SW	4	c	70	55	51	8	8	7	-	4-6	9+	2500
	Cranwell ...	08·2	-1	SW'S	4	c	67	55	52	7	8	3	-	4-6	9	2500
3	Birmingham ...	09·0	-2	SW	4	c/p+	61	85	57	8	8	7	-	7-8	9+	1500
	Upper Heyford	10·0	-8	SW'S	4	c	63	65	53	7	8	7	-	7-8	10	6000
4	Ross-on-Wye	09·3	-4	SW'W	4	c	63	75	55	7	8	3	-	4-6	7-8	3000
5	Hartland Point	09·7	0	WSW	5	c	59	92	56	6	8	4	-	4-6	7-8	1500
	Bristol ...	10·8	-6	WSW	3	p/p+	62	85	56	8	8	6	3	2-3	4-6	2500
	Portland Bill ...	11·8	-12	SW	4	c	62	92	60	8	5	-	-	7-8	7-8	4000
	Plymouth ...	12·0	-2	W	5	bc	64	75	55	8	2	7	-	4-6	7-8	2000
	The Lizard ...	12·4	+4	WSW	4	c	65	75	58	8	8	6	-	7-8	7-8	2800
	Scilly (St. Mary's)	12·6	+2	W'S	3	bc	64	75	57	8	5	4	-	2-3	4-6	1200
	Guernsey ...															
6	Pembroke ...	09·3	+8	SW'S	6	c/p	60	85	55	8	8	4	-	7-8	9+	2500
7	Holyhead (Valley)	07·1	+12	SW'S	5	p+	61	85	57	7	8	7	-	7-8	9+	1000
	Chester (Sealand)	06·8	+4	WSW	3	c	65	68	53	8	8	8	1	4-6	9	2000
8	Manchester ...	07·5	+2	SW	4	c	63	65	53	9	2	3	-	7-8	9+	1500
10	Spurn Head ...	08·3	-2	SW'S	4	c	66	65	53	7	7	7	-	7-8	10	2800
	Catterick ...	06·3	+2	SW	4	c	61	65	52	7	5	7	8	4-6	9+	2000
	Tynemouth ...	05·4	+2	SW	4	c	64	65	51	7	8	2	-	7-8	9	2500
11	St. Abbs Head	02·9	+6	SW	3	c	66	55	51	8	5	4	-	9	9+	3000
	Leuchars ...	03·4	+18	W	2	id$_o$	60	97	59	7	5	7	-	7-8	10	2500
12	Renfrew (Abbotsl.)	02·7	+14	E'N	2	d$_f$	58	97	57	4	5	2	-	7-8	10	500
	Eskdalemuir ...	03·2	+6	SSW	4	c/p+	58	85	54	8	5	-	-	10	10	1100
	Point of Ayre ...	04·8	+14	N'N	5	c	63	65	52	8	8	7	3	4-6	9	2000
13A	Tiree	04·9	+34	N	5	c	56	85	52	5	5	-	-	9+	9+	2000
13B	Stornoway ...	05·0	+30	N	5	c	58	97	52	7	5	7	-	9	10	2500
15	Dalwhinnie ...	03·4	+12	SW	1	c$_o$	61	75	52	7	8	-	-	4-6	4-6	2500
	Aberdeen ...	03·4	+14	SW	3	c/p+	62	75	54	8	8	9	-	9	9+	2500
	Wick ...	03·3	+20	ESE	2	c	60	85	54	8	8	3	-	7-8	9	2500
16	Sumburgh ...	02·3	+14	SW'S	3	c	57	92	54	7	8	3	-	7-8	7-8	3000
17	Blacksod Point	11·0	+22	NNW	3	bc	60	75	52	8	8	-	-	4-6	4-6	2500
18	Malin Head ...	08·9	+10	N	5	c	57	85	52	8	5	1	-	7-8	10	1500
	Aldergrove ...	08·4	+26	WNW	3	c	57	85	53	8	5	2	-	9+	10	1000
19	Birr Castle ...	08·6	+22	WNW	4	c	63	65	52	8	4	-	-	7-8	7-8	2500
20	Valentia Obsy.	12·0	+8	NE'N	5	bc	62	75	55	8	2	-	-	2-3	2-3	4000
	Roches Point	09·1	+14	NW'W	4	bc	64	75	57	8	3	-	-	4-6	4-6	1500

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

District.	Stations.	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	11·3	+6	SW'W	2	r+	59	85	55	8	8	3	-	7-8	9+	500	1	•
	Croydon ...	11·4	0	WSW	4	c	63	75	53	8	6	7	-	4-6	9+	2000	1	•
	S. Farnborough	11·1	+4	SSW	3	r$_o$r$_o$	58	92	55	7	6	7	-	4-6	9	1800	1	•
	Boscombe Down	11·3	+6	W'S	3	c/pr	61	85	56	8	8	6	-	7-8	7-8	600	1	•
	Thorney Island	12·0	-2	SW	4	cq	62	75	55	8	2	6	-	4-6	9+	2500	0	•
	Lympne ...	13·6	0	WSW	2	bc	61	85	57	8	5	7	-	2-3	7-8	7000	0	•
	Manston ...	11·7	-2	SSW	3	bc	64	75	55	7	2	7	2	T+	7-8	2500	0	•
2	Shoeburyness ...	11·9	-2	SW	4	c	65	75	55	8	8	3	-	7-8	9	2500	0	•
	Felixstowe ...	11·1	-2	SW'S	5	c	66	65	55	7	5	7	-	9	9+	4000	0	3
	Gorleston ...	10·2	-2	SSW	4	c	65	75	57	7	8	-	-	7-8	7-8	1000	0	4
	Mildenhall ...	09·9	-4	SW'S	2	c/r	60	92	58	8	8	7	-	7-8	9+	2000	1	•
	Cranwell ...	08·7	+4	SW'W	3	c	61	85	55	8	5	3	-	2-3	9	2500	0	•
3	Birmingham ...	08·9	+4	SW	2	c/pr	61	75	5	8	8	7	-	7-8	9	1500	1	•
	Upper Heyford	09·7	+2	SSW	3	c	59	92	57	8	8	7	-	2-3	7-8	2500	1	•
4	Ross-on-Wye	09·5	+4	SW'W	3	cq	62	75	53	8	8	-	-	9	9	3000	0	•
5	Hartland Point	11·0	+12	W	4	c/pr	60	92	57	8	3	-	-	7-8	7-8	1500	1	4
	Bristol ...	11·2	+8	WSW	4	bc	61	85	56	8	2	6	-	4-6	7-8	2500	1	•
	Portland Bill ...	12·3	+12	SW	4	bc	62	88	59	8	2	-	-	4-6	4-6	1000	1	4
	Plymouth ...	12·5	+6	W	4	pr	63	75	56	8	8	-	-	9	9	2000	1	3
	The Lizard ...	12·6	0	WNW	4	c	60	85	56	8	8	6	-	7-8	7-8	2000	0	4
	Scilly (St. Mary's)	13·2	+10	W	4	bc	62	85	59	8	8	4	-	4-6	4-6	1200	1	4
	Guernsey ...																	
6	Pembroke ...	11·2	+14	W'N	2	bc	60	83	55	8	2	4	-	2-3	2-3	2500	1	3
7	Holyhead (Valley)	09·3	+14	W	3	c	60	85	54	9	7	7	-	7-8	9+	4000	0	3
	Chester (Sealand)	08·6	+8	WNW	3	pr	60	75	53	8	8	-	-	4-6	10	2000	1	•
8	Manchester ...	08·8	+14	W'N	3	c/pr	60	85	55	6	2	6	-	9	9	2500	1	•
10	Spurn Head ...	08·5	0	SSW	3	c	64	65	55	7	7	7	-	7-8	9+	2500	0	3
	Catterick ...	07·7	+6	W'S	2	c	62	75	52	8	5	3	-	4-6	7-8	4500	0	•
	Tynemouth ...	06·8	+8	WSW	3	c	65	55	50	6	2	-	-	7-8	7-8	2600	0	2
11	St. Abbs Head	06·0	+10	WSW	1	c	57	92	55	7	5	4	-	7-8	9+	2500	0	2
	Leuchars ...	03·7	+18	SSE	2	bc	63	85	59	8	4	4	-	1	4-6	4000	1	•
12	Renfrew (Abbotsl.)	06·4	+24	WNW	2	bc	64	75	57	8	8	9	2	4-6	7-8	2500	1	•
	Eskdalemuir ...	06·0	+18	S	2	ido	56	97	55	6	-	2	-	10	10	200	1	•
	Point of Ayre ...	07·4	+18	NW'N	6	i+	58	92	56	7	6	7	-	4-6	10	500	1	5
13A	Tiree	09·9	+20	N'W	5	bc	56	75	49	8	5	5	5	4-6	4-6	2800	0	5
13B	Stornoway ...	11·1	+44	NW	3	c	57	75	52	8	5	7	-	9	10	2500	1	2
15	Dalwhinnie ...	08·0	+22	NNE	3	c	55	85	51	7	5	-	-	9+	9+	1500	1	•
	Aberdeen ...	06·6	+22	SW'S	2	c/pr	60	92	57	6	9	-	-	9+	9+	1500	1	2
	Wick ...	07·9	+28	NNW	3	c	55	85	51	8	5	7	-	4-6	10	2000	1	•
16	Sumburgh ...	06·4	+30	WNW	3	c	54	92	52	8	5	-	-	4-6	9+	1000	1	3
17	Blacksod Point	14·8	+18	NNW	4	bc	57	75	52	8	8	-	-	4-6	4-6	2500	1	3
18	Malin Head ...	10·9	+26	N'W	5	bc	57	85	53	8	2	-	1	2-3	4-6	2500	1	5
	Aldergrove ...	09·9	+16	NW'N	4	c	56	85	52	8	7	2	-	9+	10	1000	1	•
19	Birr Castle ...	11·9	+18	WNW	2	bc	61	65	52	8	5	3	-	2-3	4-6	2500	1	4
20	Valentia Obsy.	15·1	+18	NNW	4	c	59	75	52	8	2	8	4	1	7-8	2500	1	4
	Roches Point	12·4	+16	NNW	4	bc	63	75	55	9	5	-	1	1	2-3	2500	1	4

PAST 24 HOURS.

Weather. 7h.—13h. 22nd (39)	13h.—18h. 22nd (40)	18h. 22nd to 1h. 23rd (41)	1h.—7h. 23rd (42)
r o w c	u$_q$ R+r	c i r o b c	b e c i r o
b c q p+$_o$ c	c	c r r b c m$_o$	b, c m$_o$
c	c p r r r r$_o$ r$_o$	c b c c	c b c i r o i d o c m$_o$
c p r$_o$	c b c p r$_o$ c	c b c c r$_o$	c w p r o c
c b c c	c b c e j r	c b c b	p b c c
b c m$_o$ c	c b c	c p r b c b	b c b m$_o$ w
b m$_o$ c e z$_o$	c b c c	b c b	b m$_o$ w
c	c		
b c c	c c	c b c m$_o$ b m$_o$	w b m$_o$ w c m$_o$ w c m$_o$
b c c	c	b c c w	c p r m$_o$
e c i r o c y	c p r s r$_o$ c	c i r o c	c b c c
e c y	p r$_o$ i r$_o$ b c	c b c m$_o$ b m$_o$	b m c m o w
c	c b c p r		c o
c	d d m p+	c b c b	b c b c w
p a r e q	c p c c	c p$_o$ b c b	b w c b c
c p	c b c c p	c b c	b c b b c
c r r m$_o$ c	c p r b c	c p r o b c	b c b b
c	b c b c	c b c	c b c
r$_o$ r$_o$ c b c	b c q p r$_o$	b	b c m$_o$ b m f
b c q p r c	c b c c	b c w	p r b c w
b c q r c b	b c q$_o$ b c	c b c c w	c b c w
p r c q p q	c q b c	c b c w	b c w
i r$_o$ c	c b c	c b c c	c b c
c D$_m$ c p r$_o$	c p r$_o$ p r	c i m$_o$ c	c i m o d d
c i r$_o$ c	p r p R m$_o$	o d o d o m	o d o d o m$_o$
c	c	c m$_o$	c m$_o$
c d$_o$ d$_m$ c	c	c b c c	c c m$_o$
c	c	c	c o
c	c m$_o$	c f c	c
c p r$_o$	d d$_o$ b c	b c c d m$_o$	c c w
m$_o$ d d$_o$ m$_o$	d c d d	c	c m o c
c r$_o$ p r$_o$	o b r o m$_o$	o i d o m o c	c
b c c	w i d	i d c p r	c
c b c b b c	c b c	c b c b b c	b b c
c	c	b c	b c
c p r$_o$	b p R c	c z i c	c
c	c p r$_o$ c	c	c
c b c c	c	c b c	c
d	b c	b c	b c
c i d c	c i d$_o$ c	c b c b	b b c w
r	b c		f
r	c	b c	b
p r	b c	b c	b

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

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light Northwest wind; mainly cloudy, with occasional slight rain at first, fine periods later; cool at first, temperature rising a little tomorrow.
5 S.W. England 6 South Wales	Light Northwest wind; fair or fine; rather cool at first, temperature rising tomorrow.
7 North Wales 8 N.W. England 9 N. Midlands ...	Light Northeast wind backing North; mainly cloudy, occasional slight rain at first, fair periods later; cool.
10 N.E. England 11 S.E. Scotland	Light or moderate Northeast wind; dull with occasional rain; cool
12 S.W. Scotland & Isle of Man	As 7-9.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland	Light North wind backing West; fair or fine at first, cloud increasing later; rather low to average temperature.
15 N.E. Scotland	Light Northwest wind backing West; fair or fine at first, cloud
16 Orkneys and Shetlands	increasing later; rather low to average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 15-16.

GENERAL INFERENCE

A depression over the Southern North Sea is moving slowly east, and a ridge of high pressure off our Northwest Coasts is moving slowly southeast.
Weather will be cloudy with slight local rain at first in North and East England and Midlands. Elsewhere it will be fair or fine.
Temperatures will be rather low generally though tending to rise.

FURTHER OUTLOOK

A fair interval in the South. Cloudy with occasional rain in the Northwest.

Forecasts issued at 10·30

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

7h. Sunday 23rd August 1942.

10° 5°W. 0° 5°E. 10°

60° 55° 50°

Low

Low

1008

1012

1014

1016

1018

1020

I-VI

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

Height of Low cloud

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Weather in past hour

Past weather

Scale 1 : 5,000,000.

Mb. 1050 1040 1030 1020 1010 1000 990 980 970 960 950 940 930

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Sunday 23rd August

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Sunday 23rd August 1942 — No. 23484

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon ...	290	12·7	+2	WSW	2	c	57	97	55	7	5	-	-	9+	9+	2900
	S. Farnborough	226	12·4	+2	W'N	2	c	57	92	55	7	5	-	-	9	9	2400
	Boscombe Down	417	13·1	+2	NW'N	3	bc	56	97	54	7	5	-	-	2·3	2·3	2300
	Thorney Island	10	12·7	0	W	2	b	57	92	55	8	2	3	-	1	1	4000
	Lympne ..	283	13·8	+2	WSW	2	bc	53	97	53	7	-	5	-	0	2·3	-
	Manston ...	154	12·4	+4	SW'W	1	bc	54	97	53	7	5	-	-	7·8	7·8	3200
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	12·7	+2	SW	3	2o	57	92	55	6	5	-	-	1	1	2500
	Gorleston ...	5	10·6	0	SW'N	2	c	55	92	53	7	5	-	-	7·8	7·8	2500
	Mildenhall ...	15	11·5	0	SW'S	2	c	55	97	54	7	5	7	-	4·6	7·8	4000
	Cranwell ...	203	11·1	+10	W	2	2o	54	92	53	5	5	-	2	Tr	1	3000
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·2	+10	-	0	bc	52	97	51	7	5	-	-	4·6	4·6	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·3	+6	WNW	4	bc	59	85	53	8	-	4	-	0	2·3	-
	Bristol ...	209	13·6	+6	W'S	1	bc	54	97	53	7	0	6	-	4·6	4·6	2500
	Portland Bill ...	32	13·7	+4	SW	3	bc	59	92	55	8	5	-	-	4·6	4·6	4000
	Plymouth ...	82	15·0	+8	NW'N	1	bc	55	97	54	6	5	-	-	2·3	2·3	2000
	The Lizard ...	240	15·7	+6	NW'W	2	c	56	97	54	8	8	8	-	4·6	7·8	2500
	Scilly (St.Mary's)	163	16·2	+4	NW	2	c	58	97	57	7	5	3	-	2·3	7·8	1500
6	Pembroke ...	142	15·1	+12	NW'N	3	bc	57	85	53	8	2	6	-	2·3	4·6	2500
7	Holyhead (Valley)	32	13·6	+10	NNW	4	c	57	75	50	8	5	7	-	7·8	10	4000
	Chester (Sealand)	16	11·9	+6	WNW	4	c	57	85	52	7	5	1	-	7·8	9	2000
8	Manchester ...	235	11·5	+8	'W	4	do.	55	97	55	4	5	-	-	10	10	400
10	Spurn Head ...	29	10·4	0	WNW	4	2o	59	92	57	6	7	4	-	4·6	9	2500
	Catterick ...	175	11·1	+14	-	0	c	53	92	51	8	5	-	-	9+	9+	5900
	Tynemouth ...	108	10·8	+14	W	2	c	57	85	53	6	5	-	-	9+	9+	2500
11	St. Abbs Head	280	11·1	+24	N	3	c	54	92	52	7	5	-	-	10	10	2500
	Leuchars ...	36	12·5	+26	-	0	c	56	92	54	7	5	7	-	7·8	10	3000
12	Renfrew (Abbotsl.)	19	12·2	+22	-	0	c	57	92	54	7	5	2	-	7·8	10	3500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	11·9	+12	NW	5	pr	52	85	52	7	9	7	+	4·6	9+	800
13A	Tiree	22	15·2	+16	NNW	2	bc	53	92	50	8	7	-	-	4·6	4·6	3000
13B	Stornoway ...	80	15·6	+28	WNW	1	c	48	92	46	7	3	7	-	7·8	7·8	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	13·6	+22	NW'N	3	c	53	92	51	9	5	-	-	9+	9+	2500
	Wick ...	114	13·9	+18	-	0	c	51	92	49	8	5	-	-	7·8	7·8	2000
16	Sumburgh ..	19	12·5	+22	NW	3	c	52	85	48	7	5	-	-	10	10	1500
17	Blacksod Point	18	17·6	+12	NW	2	bc	51	92	49	8	1	-	-	4·6	4·6	2500
18	Malin Head ...	84	14·9	+10	NNW	3	bc	55	92	53	8	2	-	-	4·6	4·6	2500
	Aldergrove ...	268	14·4	+10	NNW	1	b	50	92	48	8	5	-	-	1	1	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18·0	+4	NE'E	1	b	49	92	47	8	5	-	-	Tr	Tr	2500
	Roches Point	22	17·1	+16	NW	4	bc	55	92	53	8	-	-	5	0	4·6	-

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

Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
14·6	+16	W'N	1	c/r	57	92	54	7	5	-	-	9+	9+	2500	1	*
14·2	+14	W'N	2	c	56	97	55	6	5	-	-	2·3	9+	1000	1	*
14·5	+14	W'N	1	c	55	97	54	7	5	7	-	4·6	9	2500	1	*
14·8	+10	WNW	2	c/pr	55	97	54	7	5	-	-	9+	9+	3000	1	*
14·3	+12	NW	2	c	56	92	55	8	1	7	-	1	9	2500	0	*
14·3	+6	NW	2	2o	55	97	55	6	5	3	-	2·3	4·6	5500	1	§2
12·5	+2	W'N	1	2o	56	97	55	6	5	4	-	3	3	3100	0	*
13·5	+16	W	2	c	57	92	54	6	5	-	-	9+	9+	2900	0	*
12·8	+10	W'N	3	2o	58	85	54	6	5	3	-	Tr	7·8	4000	0	2
11·6	+8	WNW	2	2o	57	92	55	6	5	-	-	10	10	1300	1	2
13·0	+14	WSW	2	2o	55	97	54	6	5	7	-	7·8	7·8	3000	1	*
12·6	+12	W	2	2o	57	97	55	6	5	-	-	9+	9+	3000	1	*
14·6	+10	WNW	2	o	53	85	49	6	5	-	-	10	10	1500	1	*
13·9	+14	WNW	1	c	54	92	52	8	5	-	-	2·3	9+	1800	1	*
14·4	+10	WSW	1	bc	55	85	49	8	5	-	-	4·6	4·6	4000	0	*
16·1	+14	N	3	c	57	85	52	8	2	-	-	7·8	7·8	2900	1	3
15·6	+14	WNW	1	b	55	92	53	8	5	3	-	Tr	1	2500	1	*
16·1	+22	NW	3	bc	58	85	54	8	5	-	-	4·6	4·6	4000	0	4
16·5	+18	-	0	F	52	97	52	1	-	-	-	0	0	-	0	2
16·6	+10	NW	3	bc	55	97	55	8	2	1	-	2·3	2·3	2500	1	3
17·3	+12	-	0	bc	55	97	55	7	8	4	-	1	2·3	1400	1	2
17·0	+14	NNW	3	bc	55	85	51	8	2	-	-	2·3	2·3	3000	1	3
15·3	+12	NNW	3	c	56	85	51	8	5	-	-	10	10	2000	0	3
13·8	+14	W	3	dd	55	92	53	6	6	2	-	9	10	1500	1	*
13·0	+14	W'N	3	9d	55	97	54	5	5	-	-	10	10	800	1	*
12·2	+12	WNW	4	2o	56	97	54	5	7	2	-	4·6	9+	2500	0	3
14·2	+22	NNW	3	2o	57	92	55	6	5	2	-	9	10	1800	0	*
13·9	+6	N	4	o	55	97	54	6	5	-	-	10	10	800	0	2
14·8	+22	N	3	c	54	92	52	7	5	-	-	10	10	1500	0	4
16·2	+22	NE	1	c	54	92	52	8	5	7	-	7·8	9+	3500	0	*
16·0	+22	E'S	2	c	56	85	51	7	5	2	-	9	10	1800	1	*
15·0	+20	NNE	2	c	53	85	49	7	5	7	-	4·6	10	2700	1	*
14·5	+20	E'N	4	c	58	85	53	8	6	-	-	9+	9+	800	1	4
16·8	+20	N	3	bc	55	85	51	8	8	-	-	2·3	2·3	2800	0	4
16·8	+12	-	0	bc	49	92	42	9	5	4	-	1	2·3	3500	1	1
17·2	+16	N	2	c	50	92	48	7	5	3	-	7·8	9+	1500	1	*
16·8	+20	NNW	2	c	54	85	51	8	5	-	-	9	9	4500	1	3
17·0	+22	-	0	c	52	85	49	9	5	-	-	4·6	9+	2000	1	*
15·9	+22	N'E	1	c	51	85	47	8	7	3	-	4·6	9	3500	1	3
18·8	-10	-	0	bc	54	97	53	8	1	6	-	1	2·3	4000	1	1
16·9	+10	NNW	3	bc	56	85	52	8	2	-	-	4·6	4·6	2500	1	3
17·0	+18	N'W	1	bc	50	92	48	8	7	-	9	4·6	7·8	1800	1	*
18·4	+16	SE	1	f+	46	97	45	3	-	-	-	10	10	4150	1	*
18·5	+10	NE'E	1	b	47	97	46	8	-	-	1	0	Tr	-	1	1
18·2	+10	NNW	3	b	53	97	52	9	-	-	-	0	0	-	1	3

PAST 24 HOURS.

State of Ground. 0–9 (31)	Sea. 0–9 (32)	Temperature. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 22nd Hrs. (38)
*	*	67	55	48	2	2	2·8
1	*	69	55	52	-	2	5·4
1	*	69	53	49	5	0·5	5·1
1	*	66	50	45	2	0·5	4·0
0	*	68	55	48	-	-	*
1	§2	68	51		-	0·5	7·2
0	*	69	53	50	-	0·3	7·7
0	*	71	54	48	-	Tr	4·8
0	2	71	56	52	-	-	7·4
1	2	70	55	53	Tr	2	5·0
1	*	71	52	47	1	2	2·5
1	*	69	53	48	Tr	Tr	5·3
1	*	66	52	47	3	1	3·0
1	*	65	52	44	3	-	*
0	*	64	53	48	1	0·1	2·1
1	3	62	56	53	6	-	5·2
1	*	65	53	47	2	0·2	4·0
0	4	62	55	*	-	-	*
0	2	66	49	43	0·6	Tr	6·3
1	3	65	54	*	1	Tr	7·7
1	2	65	54	*	Tr	Tr	9·1
1	3	62	50	*	1	-	6·0
0	3	64	53	49	0·1	-	*
1	*	68	55	53	1	3	1·8
1	*	66	54	49	1	3	*
0	3	69	53	*	-	-	
0	*	67	51	45	-	-	3·2
0	2	67	55		-	-	*
0	4	63	53		-	-	
0	*	63	53	48	0·3	Tr	1·8
1	*	66	55	52	2	0·1	2·2
1	*	59	51	51	2	Tr	0·5
1	4	65	53	*	0·2	0·1	1·6
0	4	58	53	*	0·5	-	3·1
1	1	59	53	*	7	-	4·0
1	*	64	48	47	3	0·6	2·4
1	3	64	52	51	5	-	1·8
0	*	62	48	44	0·5	-	*
1	3	59	51	47	-	-	1·5
1	*	61	48	*	Tr	Tr	*
1	3	58	54	*	0·2	Tr	3·0
1	*	58	46	33	Tr	-	0·1
1	*	65	41	37	5	-	6·6
1	1	63	45	38	2	0·1	6·2
1	3	65	53	*	1	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 22nd August 18h. G.M.T. — 01h. G.M.T. 23rd August 07h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
10905	02857	26367	83	02845	29427	5-	02855	25225	8-	02866	29226
115			52	02844	32267	55	10844	28287	55	02844	32127
20366	03838	32428	5-	02947	32327				53	01843	08214
20880	10865	24167	8-	02858	32228	5-	02867	00029	5-	02866	00026
21027	01963	26314	5-	20843	30358	5-	02868	01328	53	02866	30287
220			56	01954	29404				57	02953	00017
23087	02843	30255				57	02965	26326	57	02964	26325
24557	02764	15137	53	01754	00056	5-	02977	01357	5-	02967	02217
26027	02855	24327	57	01743	14224	52	05655	04228	52	02754	08228
27852	21627	22356	57	02857	60567	54	00861	28522	57	62857	30468
27907	02844	33556				52	52756	30258	5-	02748	03258
28567	22630	22468	27	81744	22387						
28827	02765	52527	87	05655	22386	03	01890	20115	5-	05538	32528
57586	10056	26357	76	02857	29227	00	00790	30200	80	00951	00001
30157	02854	22427	87	02968	24386	52	22745	24468	5-	05667	32227
32137	02844	21427	86	02765	21325	5-	05548	00008	53	05653	31226
29951	02663	20317	50	25654	20384	51	00763	20113	50	05664	28214
29277	05679	19428	83	02855	24226	40	05673	00013	14	05564	28214
310											
61427	05035	20317	23	05064	20186	52	51456	22268	57	51645	00058

13h. G.M.T. 22nd August 18h. G.M.T. — 01h. G.M.T. 23rd August 07h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
33357	25844	22386	83	02955	26286	87	25754	28386	5-	02848	30228
334			--	25547	26288						
340			96	25955	26286	5-	02748	28188	5-	02958	28158
13623	02854	20486	83	81665	20288	57	62542	22268	58	05535	26266
33613	25754	20486									
35087	02845	18457	96	81745	18386	5-	05655	22225	5-	02758	26228
36857	22748	24244	86	01854	24385	59	02766	24317	26	00851	26212
37987	03648	18488	84	02958	20386				53	01865	26367
39080	02754	18326	96	81654	21387	50	45332	18242	53	05556	24247
38252	52645	22358	86	02864	21225	53	02855	26126	57	02864	26125
43887	02754	22427	67	81635	20188	54	01753	22514	8-	02866	28226
43023	02746	18427	17	02853	19326	50	02652	22112	7-	02776	20126
40927	02844	53525	8-	02844	56426	54	05642	28103	80	01853	30113

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 23rd August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	bcwc	vq,Rrr	cicbcirc	Kew 24 hours ended 7h. Max. Time 20·1 Min. Time 24h.
Croydon ...	bcqfec	c	crrbcm$_o$	
Greenwich ...	cy	cyR	rc	
Camden Square	c	c	*	
Kensington ...	eyc	ep	*	
Hampstead ...	bc	bcor	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 ...	67	55	48	2	2	2·8	*	*
Croydon ...	69	55	52	-	2	5·4	*	*
Greenwich ...	71	55	45	2	0·3	5·1	57	77
Westminster ...	69	55	52	3			79	85
Regents Park ...								
Camden Square	70	55	49	3	0·5	*	*	74
Kensington ...	70	55	49	1	3		83	77
Hampstead ...	69	51	47	3	-		*	87

SECRET

BRITISH SECTION

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

Monday 24th August 1942

No. 29495

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

District	Stations (For heights see p. 4)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	15.4	0	NW	2	c	64	65	53	8	8	3	-	7-8	9	1500
	Croydon	14.5	+2	WNW	3	bc	68	65	54	7	2	7	-	4-6	7-8	3500
	S. Farnborough	15.0	-2	NW	3	bc	66	65	52	8	2	6	-	4-6	7-8	3000
	Boscombe Down	13.8	+4	NW'N	2	bc	62	75	54	8	2	3	-	7-8	7-8	3500
	Thorney Island	15.4	-2	W'S	3	c	67	55	51	9	2	6	-	4-6	7-8	2500
	Lympne	15.7	+6	WNW	2	z0	63	65	52	6	8	-	-	9+	9+	5500
	Manston	14.6	+6	NW'W	2	c	63	65	53	7	2	-	-	7-8	7-8	3000
2	Shoeburyness	15.3	+4	WNW	2	c	64	75	55	7	8	-	-	9+	9+	1900
	Felixstowe	13.7	+4	W	3	c	69	65	55	7	8	-	-	4-6	4-6	2500
	Gorleston	13.3	+12	NNE	3	c	64	85	59	7	8	-	-	7-8	7-8	1400
	Mildenhall	13.8	+2	W	3	bc	68	65	56	7	2	6	-	4-6	7-8	2500
	Cranwell	14.0	+6	NW	2	c	67	65	55	7	8	-	-	9	9	3500
	Birmingham	15.3	+2	NW	3	z0	61	75	53	6	5	-	-	9+	9+	2500
	Upper Heyford	15.2	+2	NW	3	c	60	85	53	7	8	-	-	7-8	9+	2000
4	Ross-on-Wye	15.7	0	W	1	c	61	75	52	8	5	-	-	10	10	3000
5	Hartland Point	17.0	0	NNW	3	bc	59	75	51	8	1	-	-	2-3	2-3	3000
	Bristol	16.2	0	W'S	2	c	63	75	55	8	7	-	-	9+	9+	4000
	Portland Bill	16.5	+2	NW	3	bc	61	85	58	8	2	-	-	4-6	4-6	4000
	Plymouth	17.0	-2	SSW	2	bc	63	75	56	8	1	-	-	4-6	4-6	2500
	The Lizard	17.1	0	W	2	bc	66	65	55	8	2	-	-	2-3	2-3	3500
	Scilly (St. Mary's)	18.2	+4	N'E	2	bc	64	75	57	8	8	6	-	2-3	4-6	1200
	Guernsey															
6	Pembroke	17.7	-2	WNW	3	bc	60	75	52	8	2	-	-	2-3	2-3	3000
7	Holyhead (Valley)	16.2	+2	N'W	3	c	60	85	54	7	5	-	-	9+	9+	2000
	Chester (Sealand)	15.3	+6	WNW	3	c	62	85	57	6	5	7	-	4-6	10	1500
8	Manchester	13.2	+10	WSW	2	m	63	85	59	4	5	3	-	7-8	10	2500
10	Spurn Head	14.4	+14	N'E	4	c	64	75	57	7	7	3	-	4-6	7-8	2500
	Catterick	16.9	+12	N	3	d0d0	56	92	54	5	5	-	-	10	10	600
	Tynemouth	16.7	+8	N	5	o	55	92	53	7	-	2	-	10	10	1200
11	St. Abbs Head	17.1	+6	N	2	c	56	85	50	7	5	4	-	7-8	9+	3500
	Leuchars	18.0	+8	ENE	2	c	59	85	55	9	5	-	-	9+	9+	3000
12	Renfrew (Abbots I.)	17.4	+2	ESE	2	c	61	65	50	7	5	2	-	9	10	2800
	Eskdalemuir	17.1	+6	NNE	3	c	56	75	48	8	5	7	-	7-8	10	2500
	Point of Ayre	16.7	+6	E'S	4	bc	61	75	53	8	5	4	-	1	2-3	1600
13A	Tiree	17.8	0	N	2	bc	58	85	51	8	1	4	-	1	2-3	3500
13B	Stornoway	18.8	+8	SSE	2	c	56	85	52	8	5	7	-	7-8	9+	2500
15	Dalwhinnie	18.1	0	NNE	1	c	58	65	46	8	8	-	-	7-8	7-8	2500
	Aberdeen	18.3	+4	NE'N	3	c	57	75	49	8	8	-	-	9+	9+	3500
	Wick	18.6	+8	NE	2	c	58	75	49	9	8	3	-	4-6	9+	2000
16	Sumburgh	15.7	+6	WSW	1	c/f	55	85	49	9	5	-	-	9	9	4000
17	Blacksod Point	18.5	-6	NNE	1	bc	62	65	51	9	8	-	5	2-3	4-6	4000
18	Malin Head	17.9	+4	N'W	2	bc	58	75	51	8	2	-	-	4-6	4-6	2500
	Aldergrove	17.8	+2	NNW	2	c	60	75	51	9	8	4	-	7-8	9	2000
19	Birr Castle	17.5	-10	NNW	2	bc	64	55	44	8	2	-	8	4-6	4-6	2500
20	Valentia Obsy.	19.0	-6	W	2	bc	60	75	51	9	7	-	3	4-6	4-6	2500
	Roches Point	18.5	-4	S	2	bc	61	75	54	9	1	-	-	2-3	2-3	4000

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	15.4	-2	NNW	2	bc	65	65	53	8	1	-	-	2-3	2-3	2500	1	•
Croydon	11.9	-2	W	2	bc	66	75	56	7	2	-	-	4-6	4-6	3000	1	•
S. Farnborough	15.2	0	NW'N	2	bc	65	65	53	8	7	4	-	1	7-8	4000	0	•
Boscombe Down	15.8	+2	NW'W	1	c	64	75	57	8	8	3	-	4-6	7-8	2500	0	•
Thorney Island	15.2	-2	WNW	2	c	66	65	54	8	8	3	-	2-3	7-8	3500	0	•
Lympne	15.9	0	-	0	pr	64	65	53	7	7	4	-	4-6	4-6	3500	0	3
Manston	14.7	0	S	1	z0	64	75	55	6	2	-	-	Tr	Tr	3200	0	•
Shoeburyness	15.2	0	W'S	2	z0	65	75	55	6	-	-	-	0	0	-	0	•
Felixstowe	14.4	+4	-	0	pr	63	85	60	6	6	-	-	9+	9+	1500	1	1
Gorleston	14.1	+2	NNE	4	b	65	85	59	7	-	-	-	0	0	-	0	2
Mildenhall	14.4	+2	N	2	c	63	85	57	7	5	7	-	4-6	10	3500	1	•
Cranwell	15.1	+8	NE	2	c	60	92	58	6	8	-	-	9+	9+	3500	0	•
Birmingham	15.3	0	NNW	2	z0	63	75	56	6	5	7	-	9	9+	2500	1	•
Upper Heyford	14.9	-2	NW'W	3	c	64	75	55	7	4	-	-	9+	9+	3500	1	•
Ross-on-Wye	15.1	-4	NW'W	1	bc	65	75	54	8	1	3	-	Tr	4-6	3500	0	•
Hartland Point	16.7	-4	N	2	bc	58	75	51	8	1	4	-	2-3	2-3	3000	0	3
Bristol	15.8	-2	WSW	3	b	63	75	56	8	4	4	-	1	2-3	4000	1	•
Portland Bill	16.9	+2	NW	3	bc	62	85	59	8	2	-	-	4-6	4-6	4000	1	4
Plymouth	16.6	-2	NW	2	b	64	65	51	9	1	-	-	1	1	2500	0	1
The Lizard	16.4	-2	-	0	bc	65	65	53	8	2	3	-	2-3	4-6	3000	0	3
Scilly (St. Mary's)	17.4	-4	NE	2	bc	63	85	56	8	8	4	4	1	2-3	1600	1	2
Guernsey																	
Pembroke	17.1	0	NW'W	2	bc	59	75	51	8	2	-	-	2-3	2-3	3000	0	2
Holyhead (Valley)	16.4	+2	NNW	2	c	59	85	55	8	7	3	-	9	9+	2500	1	2
Chester (Sealand)	15.5	0	WNW	3	c	62	85	58	7	8	-	-	4-6	9+	2500	1	•
Manchester	15.9	+4	NE	3	z0	59	85	54	6	5	3	-	7-8	9+	2500	1	•
Spurn Head	15.3	0	N	4	z0	60	92	57	6	7	2	-	7-8	10	1500	0	3
Catterick	17.8	+4	N	3	z0	57	85	53	6	5	-	-	10	10	1200	0	•
Tynemouth	17.8	+4	N	4	c	55	85	51	7	5	-	-	9+	9+	2000	1	3
St. Abbs Head	17.5	0	NNE	1	bc	55	85	51	8	5	4	-	4-6	4-6	3600	0	3
Leuchars	18.2	0	E	2	c	57	75	47	9	5	3	-	9	9+	5000	0	•
Renfrew (Abbots I.)	17.0	-4	NE'E	1	bc	60	75	51	8	5	3	-	2-3	7-8	5000	1	•
Eskdalemuir	17.5	0	NE	2	c	56	75	49	8	5	7	-	4-6	9+	5000	1	•
Point of Ayre	16.1	-2	E'N	3	b	61	75	54	8	5	4	-	1	1	5000	0	3
Tiree	17.4	-2	N	1	bc	57	85	50	8	1	3	-	1	2-3	3500	0	3
Stornoway	18.5	-4	-	0	c	56	85	52	8	5	5	-	4-6	7-8	3000	1	1
Dalwhinnie	18.[illegible]	0	NE	1	o	56	75	48	8	5	-	-	10	10	2500	0	
Aberdeen	18.8	+2	NE'E	3	c	55	85	51	8	7	-	-	9+	9+	2500	1	2
Wick	19.0	+2	E	1	c	55	85	49	9	8	3	-	4-6	9	3500	0	•
Sumburgh	19.6	+2	NE	1	c	54	85	48	9	5	-	-	9+	9+	4000	0	2
Blacksod Point	16.5	-12	NE	2	bc	60	75	53	8	8	4	6	4-6	4-6	4000	0	2
Malin Head	17.3	-4	N'E	2	cjp	57	75	50	8	2	-	-	4-6	4-6	2500	1	2
Aldergrove	17.0	-8	-	0	c	58	85	52	9	8	-	-	10	10	2500	1	•
Birr Castle	16.3	-6	NNW	1	c	64	65	53	8	5	-	8	7-8	9	2500	1	•
Valentia Obsy.	16.2	-6	S'W	3	c	59	75	52	9	5	7	-	1	10	2500	1	2
Roches Point	16.6	-10	S	2	bc	59	85	55	9	5	-	5	1	4-6	2500	1	3

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 23rd (39)	13h.—18h. 23rd (40)	18h. 23rd to 1h. 24th (41)	1h.—7h. 24th (42)
London (Kew)	c	cbcb	bbm0w0	b, cm0w
Croydon	cm0cbc	bccbc	bcb,cbw	bw0m0
S. Farnborough	cxbc	bcbcb	bbcm0w	bcm0m0
Boscombe Down	cbc	bcebc	bccbm0w	bcfgwc
Thorney Island	cbcc	cyc	cbcbbc	bcfsm0
Lympne	bcm0bc	cbcz0bc	bcm0	bcbm0wf
Manston	cbcm0	cbccz0	bz0cz0	bcm0wbc
Shoeburyness	cm0bcc	cbcbm0	bm0	oid0m0f
Felixstowe	c	cit0cptm0	cm0bm0b	m0m0fcm0m0
Gorleston	cz0	b	bccz0	cm0om0
Mildenhall	bcc	bccptc	om0cm0	cm0w
Cranwell	bcc	cpt0t0t0c	cm0	cmd0d0
Birmingham	ocz	cbccz	cf0	coz
Upper Heyford		cbcm0c	ccm0bm0	cm0om0m0
Ross-on-Wye	bcc	ccbc	bcc	cmw
Hartland Point	cbc	bc	bcc	bccbc
Bristol	bbcc	ccbc	b,cbccw	bccm0c
Portland Bill	bcb	bcbc	bcc	
Plymouth	bfm0bccbc	bcbv	bbc	cm0bcm0bc
The Lizard	cbc	bc	bcc	cbccw
Scilly (St. Mary's)	bc	bc	bcc	c
Guernsey				
Pembroke	b	bc	bccw	cbc
Holyhead (Valley)	cd0d0c	c	bc	bcm0
Chester (Sealand)	d0d0m0cm0	ct0t0m0	cm	cmfm
Manchester	cit0m0	cit0m	cm0m	cmm0w
Spurn Head	c	cm0	cm0	c
Catterick	cd0d0m0	d0d0cm0	cm0	cm0m
Tynemouth	oif0	oc	c	c
St. Abbs Head	c	cbc	bcc	c
Leuchars	c	cbcc	cbcbbcc	ccm0cw
Renfrew (Abbots I.)	c	cz0cbc	bccm0	cm0
Eskdalemuir	c	c	cbc	bcc
Point of Ayre	cbc	cbcb	cprc	bcz0c
Tiree	bcb	bc	bcc	bccpr0
Stornoway	bc	c	c	cpr
Dalwhinnie	c	co		bc
Aberdeen	c	c	cbc	cbm0w
Wick	c	c	cbc	cbcc
Sumburgh	cir0	c	c	cid0ir0cd0
Blacksod Point	bc	bc	r	r
Malin Head	bc	c	bc	
Aldergrove	bcc	c	cbc	cid0
Birr Castle	bc	c		
Valentia Obsy.	bc	c	bc	r
Roches Point	bc	c	bc	c

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands	Light variable winds, becoming South to Southwest light to moderate; fair, but considerable cloud at times, especially at first; some slight rain not unlikely later; becoming close.
4 W. Midlands, 5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England	Freshening southerly winds, veering Southwest later; fair early; low cloud spreading in with some drizzle or light rain; local coast fog and some hill fog; becoming close.
9 N. Midlands, 10 N.E. England, 11 S.E. Scotland	Light variable winds, becoming southerly, light to moderate; fair today; probably some light rain tomorrow; average temperature.
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland	Freshening southerly winds; becoming overcast with some rain or drizzle; local hill fog; becoming close.
15 N.E. Scotland, 16 Orkneys and Shetlands	Light variable wind becoming Southeast freshening; fair at first; dull with rain tomorrow; close.
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Fresh southerly winds, veering southwest later; cloudy or dull; occasional rain and drizzle; local coast fog; close.

GENERAL INFERENCE

A depression about 500 miles west of the Hebrides will probably move North-north-east or North but is also spreading eastwards. Occasional rain or drizzle will spread across Ireland to Western Scotland and later to Western areas of England and Wales. Weather will be fair in the east and Southeast of England.

FURTHER OUTLOOK

Unsettled type of weather likely to continue.

Forecasts issued at 10.30.

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

7h. Monday 24th August, 1942.

HIGH

LOW

1018

1016

1014

1012

1010

1008

1006

1004

10°

5°W.

0°

5°E.

60°

55°

50°

Mb.

1050

1040

1030

1020

1010

1000

990

980

970

960

950

940

930

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

Scale 1 : 5,000,000.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

MONDAY 24th AUGUST

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Monday 24th August 1942

No. 29495

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	55									
	Croydon ...	290	16·1	0	–	0	Zo	53	97	53	6	–	–	–	0	0	–
	S. Farnborough	226	16·3	0	W	1	Zo	52	92	50	6	–	4	–	0	2-3	–
	Boscombe Down	417	16·8	-4	W	1	fg	52	97	51	6	–	3	2	0	7-8	–
	Thorney Island	10	16·1	0	N	1	bc	53	92	52	8	–	–	2	0	4-6	–
	Lympne ...	283	16·9	-2	SW	1	bc	55	97	54	6	5	3	–	2-3	7-8	4000
	Manston ...	154	15·5	-2	W	1	Zo	58	85	54	6	5	–	–	7-8	7-8	5700
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	15·6	+2	N'E	1	m	56	97	56	4	5	–	–	10	10	200
	Gorleston ...	5	15·9	+12	NNW	1	Zo	58	92	55	6	5	–	–	10	10	1500
	Mildenhall ...	15	16·2	+2	N'E	1	Zo	57	92	55	6	5	3	–	7-8	9+	1700
	Cranwell ...	203	16·4	+2	N'E	2	m	57	97	56	4	5	–	–	9+	10	300
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·1	-2	–	0	Zo	55	97	54	5	5	–	–	9+	9+	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16·1	-6	S	2	c	53	92	51	8	1	–	8	1	9	2500
	Bristol ...	209	16·7	-6	ESE	1	c	50	97	50	7	–	4	8	0	7-8	–
	Portland Bill ...	32	16·2	-10	NW	2	c	58	85	54	8	5	–	–	7-8	7-8	4000
	Plymouth ...	82	16·5	-8	–	0	Zo	49	92	48	6	–	–	–	10	10	<150
	The Lizard ...	240	15·9	-8	NE'E	2	c	55	85	51	8	8	6	–	7-8	9	2000
	Scilly (St. Mary's)	163	15·7	-14	E	2	c	53	92	51	7	5	7	–	2-3	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	15·8	-14	ENE	1	bc	54	92	51	8	8	2	–	4-6	9	4000
7	Holyhead (Valley)	32	15·5	-14	NE'N	1	bc	53	97	51	7	5	3	2	1	7-8	2500
	Chester (Sealand)	16	16·3	-2	–	0	m	54	92	53	4	5	–	–	10	10	4500
8	Manchester ...	235	16·7	-2	'NE	2	m	54	97	53	4	–	3	–	0	9+	–
10	Spurn Head ...	29	16·5	0	N	3	Zo	58	91	57	6	7	2	–	4-6	10	1500
	Catterick ...	175	17·8	-4	N	2	Zo	54	92	52	6	5	–	–	9+	9+	700
	Tynemouth ...	108	18·0	-2	N	3	c	54	92	52	6	5	–	–	9+	9+	2500
11	St. Abbs Head	280	17·9	-2	–	0	c	53	97	52	7	5	–	–	7-8	7-8	4000
	Leuchars ...	36	18·1	-4	–	0	c	50	92	48	8	5	3	–	Tr	9+	4500
12	Renfrew (Abbotsl.)	19	17·2	-6	E'N	3	Zo	53	85	50	6	5	–	–	10	10	4000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	15·7	-8	S	3	c	58	92	56	6	5	7	6	2-3	7-8	2000
13A	Tiree	22	15·3	-14	SE'S	3	c	55	92	52	8	–	4	6	0	9	–
13B	Stornoway ...	80	16·4	-10	ESE	3	c	54	85	50	7	5	7	–	7-8	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	18·5	-2	–	0	b	45	97	44	9	5	–	–	Tr	Tr	5000
	Wick ...	114	18·7	-2	–	0	bc	51	85	48	9	5	3	–	2-3	2-3	3500
16	Sumburgh ..	19	19·0	-6	NE	1	c	52	85	48	8	5	–	–	9+	9+	3500
17	Blacksod Point	18	12·2	-22	E	4	c	58	75	50	8	5	–	–	7-8	10	1500
18	Malin Head ...	84	14·9	-16	–	0	bc	52	97	51	8	4	–	5	2-3	4-6	2500
	Aldergrove ...	268	15·5	-12	NE	1	bc	52	92	50	7	5	–	–	4-6	4-6	3500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	12·1	-24	SE	4	c	59	85	55	9	5	7	–	2-3	9+	2500
	Roches Point	22	14·6	-14	S	2	bc	55	97	54	8	–	3	–	0	4-6	–

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	16·4	-4	NNW	1	Zo	58	92	55	6	5	–	–	10	10	2500	1	*
	Croydon ...	16·4	+6	–	0	m	57	97	57	4	5	–	–	10	10	800	1	*
	S. Farnborough	16·6	+10	–	0	Zo	54	91	52	5	5	–	–	10	10	1000	1	*
	Boscombe Down	16·4	-2	–	0	Zo	51	97	51	6	5	7	–	7-8	9	4000	0	*
	Thorney Island	16·3	+6	NNW	1	fg	53	97	52	6	–	7	–	0	3+	–	0	*
	Lympne ...	17·2	+2	–	0	Zo	56	91	56	5	–	3	6	0	9	–	0	2
	Manston ...	15·9	+6	–	0	Zo	58	91	57	5	–	3	–	0	7-8	–	0	*
2	Shoeburyness ...	16·3	+6	NW	2	fg	57	97	56	3	–	–	–	10	10	<150	1	*
	Felixstowe ...	16·2	+6	–	0	Zo	55	97	55	5	5	–	–	10	10	600	0	1
	Gorleston ...	15·5	0	–	0	Zo	58	85	54	6	5	–	–	10	10	1300	0	0
	Mildenhall ...	16·2	+6	SW'S	1	Zo	56	97	55	6	5	–	–	9+	9+	1500	1	*
	Cranwell ...	15·8	-2	N'W	1	m	56	91	55	4	5	–	–	9+	10	500	1	*
3	Birmingham ...	15·8	0	NE	2	Zo	56	92	54	6	5	–	–	10	10	800	1	*
	Upper Heyford	15·9	+2	SSE	1	Zo	56	92	54	5	5	–	–	10	10	1500	0	*
4	Ross-on-Wye	15·4	-4	WSW	1	fg	51	97	51	5	–	7	–	0	9+	–	0	*
5	Hartland Point	14·3	-4	S	3	bc	53	92	50	8	5	4	–	2-3	4-6	3000	0	4
	Bristol ...	16·3	0	–	0	fg	53	97	53	7	–	3	–	0	9	–	1	*
	Portland Bill ...																	
	Plymouth ...	15·7	-2	–	0	c	54	92	52	7	8	7	–	2-3	7-8	1800	0	1
	The Lizard ...	14·2	-6	SE	3	c	58	92	56	8	8	6	–	7-8	7-8	2000	1	3
	Scilly (St. Mary's)	13·4	-10	SE'S	3	c	60	85	56	8	5	4	–	10	10	1200	1	3
	Guernsey ...																	
6	Pembroke ...	14·0	-8	SE'S	4	bc	58	75	51	8	2	4	1	2-3	4-6	3000	0	2
7	Holyhead (Valley)	14·0	-8	S'E	2	c	57	92	55	7	5	2	–	4-6	10	2500	0	1
	Chester (Sealand)	15·1	-4	SSE	1	q/f	57	92	55	4	5	–	–	10	10	2000	0	*
8	Manchester ...	15·5	-2	SE'S	1	Zo	55	92	53	6	5	–	–	10	10	1800	0	*
10	Spurn Head ...	16·1	+4	N	3	c	58	91	56	7	5	2	–	7-8	10	1500	0	3
	Catterick ...	16·6	-2	–	0	m	53	97	53	4	5	–	–	10	10	2000	0	*
	Tynemouth ...	17·1	-2	N	2	c	55	92	52	7	5	–	–	9	9	2400	1	2
11	St. Abbs Head	16·1	-4	–	0	c	52	92	50	7	5	–	–	9+	9+	3500	0	2
	Leuchars ...	16·2	-6	E	1	c	52	92	50	7	5	–	–	9+	9+	6000	0	*
12	Renfrew (Abbotsl.)	15·2	-6	E'N	3	Zo	53	85	50	6	5	7	–	7-8	9+	5500	1	*
	Eskdalemuir ...	16·0	0	NNE	2	c	50	85	47	8	5	7	–	7-8	9+	2100	1	*
	Point of Ayre ...	13·9	-10	SSE	4	c	58	92	55	7	6	7	6	2-3	9+	800	1	4
13A	Tiree	12·1	-16	SE'E	4	c	55	85	49	8	5	3	–	2-3	7-8	2800	0	4
13B	Stornoway ...	14·3	-4	ESE	3	c/pr	54	85	50	8	5	7	–	7-8	9+	2500	1	2
15	Dalwhinnie ...	16·7	-2	SW	1	c	49	85	44	8	8	7	–	7-8	7-8	2500	0	*
	Aberdeen † ...	16·8	-2	NW	2	Zo	43	97	43	6	7	–	–	Tr	Tr	4000	1	1
	Wick ...	17·0	-2	E	1	c	52	85	47	9	7	3	–	7-8	7-8	4000	1	*
16	Sumburgh ..	17·4	-8	NE'E	2	do.	52	92	51	8	5	–	–	9+	9+	2500	1	2
17	Blacksod Point	17·3	-20	SE	4	fo	56	85	52	8	6	2	–	4-6	10	1500	1	4
18	Malin Head ...	10·9	-22	S	3	fr	56	85	52	8	5	2	–	4-6	9+	2500	1	2
	Aldergrove ...	12·8	-12	SE	2	do	55	92	53	6	5	2	–	9+	10	2500	1	*
19	Birr Castle ...	11·0	-14	S	3	f	54	85	50	8	5	1	–	7-8	10	2500	1	*
20	Valentia Obsy.	08·5	-14	SSE	5	do.	60	92	58	6	5	7	–	9+	10	1500	1	3
	Roches Point	10·8	-14	SSE	4	c	59	92	57	8	5	7	–	4-6	9+	1500	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F. (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 23·5d Hrs. (38)
1	London (Kew)	66	54	42	-	Tr	6·0
	Croydon ...	69	50	48	-	0·1	7·0
	S. Farnborough	67	48	48	-	Tr	5·4
	Boscombe Down	67	49	44	-	Tr	6·0
	Lympne ...	70	50	44	-	-	*
	Manston ...	66	46		-	-	6·7
2	Shoeburyness ...	66	54	50	-	-	7·4
	Felixstowe ...	68	58	47	-	Tr	5·5
	Gorleston ...	72	55	54	4	0·2	6·7
	Mildenhall ...	67	56	54	-	-	7·0
	Cranwell ...	70	53	47	0·5	Tr	3·8
3	Birmingham ...	66	55	48	2	0·2	3·2
	Upper Heyford	66	55	55	-	0·1	0·0
4	Ross-on-Wye	66	55	47	Tr	-	*
		66	51	46	-	-	1·8
5	Hartland Point	60	51	46	-	-	11·4
	Bristol ...	67	49	41	-	-	8·4
	Portland Bill ...	63		*	-		*
	Plymouth ...	67	49	46	-	-	9·7
	The Lizard ...	66	53	*	-	-	12·3
	Scilly (St. Mary's)	65	52	*	-	-	12·0
	Guernsey ...						
6	Pembroke ...	61	50	*	-	Tr	12·0
7	Holyhead (Valley)	61	51	47	0·2	-	*
	Chester (Sealand)	63	54	47	0·5	-	0·0
8	Manchester ...	65	53	51	0·3	-	*
10	Spurn Head ...	65	57	*	-	-	4·8
	Catterick ...	57	53	50	Tr	-	0·0
	Tynemouth ...	55	53		4	-	*
11	St. Abbs Head	58	51	*	-	-	
	Leuchars ...	61	49	43	-	-	1·4
12	Renfrew (Abbotsl.)	63	52	50	-	-	0·2
	Eskdalemuir ...	57	48	46	-	-	0·0
	Point of Ayre ...	63	57	*	-	0·4	6·3
13A	Tiree	61	52	*	-	Tr	13·3
13B	Stornoway ...	59	51	*	-	0·2	6·0
15	Dalwhinnie ...	59	48	46	-	-	1·4
	Aberdeen † ...	59	41	38	-	-	1·3
16	Sumburgh ..	58	48	39	-	-	*
17	Blacksod Point	63	54	*	-	2	*
18	Malin Head ...	59	49		-	Tr	9·4
	Aldergrove ...	61	51	40	-	Tr	2·6
19	Birr Castle ...	66	52	49	-	-	6·4
20	Valentia Obsy.	63	56	51	-	4	6·9
	Roches Point	63	55	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 23rd August ... 18h. G.M.T. | 01h. G.M.T. 24th August ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	8-	02855	01223	86	10874	09214	5-	01862	00012	5-	02868	09318
115	83	02954	08225	52	02944	08327	53	02854	08326	54	02854	12425
203	7-	01954	08214	70	02945	01315						
206	7-	02967	00027	70	00862	07312	5-	02867	00017	5-	02867	08327
210	73	02573	28325	5-	01965	06215	53	01963	08114	80	00962	08102
220	57	02954	20217	57	01953	25115						
230	77	02966	00087	7-	25966	00026	5-	02758	00028	57	02954	12125
245	74	01954	07414	5-	02967	07117	50	11263	28113	5-	02865	22115
260	13	02754	12326	73	01872	08213	53	05664	04127	53	01753	12224
278	5-	02858	30358	87	02863	32156	53	02863	12225	57	02537	10328
279	5-	02968	06326	5-	02867	07227	5-	02868	06428	57	02865	06327
285										5-	05527	12127
288	5-	21628	32458	5-	05648	32428	5-	05558	31328	5-	43357	01247
575	7-	02955	32215	44	02965	04127	52	02752	08128	57	02837	12128
301	87	02854	06257	57	05654	05307	5-	05578	08228	5-	05558	12328
321	84	05655	30326	5-	02748	15761	52	52536	30258	62	54637	02158
299	5-	10264	20215	5-	05528	30328	5-	03748	02428	5-	03758	26328
292	5-	21538	30328	5-	03528	32328	5-	05538	29128	07	05390	16255
310										5-	34554	05548
614	87	25666	28187	57	65664	20285	5-	08448	07328	5-	08438	08148

13h. G.M.T. 23rd August ... 18h. G.M.T. | 01h. G.M.T. 24th August ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	5-	02747	29357	87	02755	28325	51	02755	00028	57	02854	16228
334												
340	8-	02767	30127	5-	05677	30227	53	05556	00017	5-	08448	12328
136	23	81655	26317	5-	05627	03228	5-	05636	01148	5-	05635	32128
330										--	46309	24249
350	8-	05647	26357	8-	09655	22155	53	05675	02127	5-	05528	00028
368	5-	02863	20215	86	01964	25314	00	01790	00013	03	01790	00014
379	8-	02958	26328	13	01962	26204	5-	02748	26128	--	48309	12249
390	5-	05647	25357	00	05690	26210	5-	45328	24248	5-	05545	00046
382	57	02856	28327	10	00661	24101	57	05664	00028	5-	05538	00028
438				80	02740	22316	00	00690	26210	27	05643	15117
430	27	02844	22125	87	01863	24224	00	05590	28101			
409	10	01953	32313	40	00951	01203	57	02864	14128	53	01744	12214

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

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

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LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	c	cbcb	bbmbw	Kew 24 hours ended 7h. Max. Time 20·1 Min. Time 24hrs
Croydon ...	cm$_o$cbc	bccbc	bebomo	
Greenwich ...	c	cb	bwbcm$_o$	
Camden Square	o	c	*	
Kensington ...	bcc	bc	*	
Hampstead ...	bc	bc	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h %	Humidity 9h % To-day
Kew ...	66	54	42	-	Tr	6·0	*	*
Croydon ...	69	50	48	-	0·1	7·0	*	*
Greenwich ...	67	54	41	-	-	2·6	73	86
Westminster ...	67	55	51	-	-	*	79	93
Regents Park ...	67	53	43	-	-	*	72	81
Camden Square	67	55	48	-	-	*	*	83
Kensington ...	67	53	43	-	-	*	69	86
Hampstead ...	66	54	48	-	-	*	*	85

SECRET

Page 1

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

Tuesday 25th August 1942 — No. 29496

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	14·9	−10	SSW	2	c	68	65	56	8	8	–	–	7-8	7-8	4000
	Croydon ...	15·0	−6	S	2	c	71	55	55	7	2	4	–	4-6	7-8	2700
	S. Farnborough	14·6	−10	S	2	c	69	65	56	8	2	6	–	4-6	7-8	3000
	Boscombe Down	14·7	−14	SE	3	bc	66	55	42	8	2	6	–	4-6	4-6	3000
	Thorney Island	15·6	−6	SSW	3	bc	67	65	54	8	1	–	–	2-3	2-3	4000
	Lympne ...	16·6	−2	SSE	2	bc	65	75	58	7	2	3	–	2-3	4-6	3000
	Manston ...	15·5	−6	W	1	z.	66	75	59	6	2	–	–	9	9	3500
2	Shoeburyness ...	15·6	−4	SSW	1	bc	67	75	59	6	1	7	–	Tr	4-6	2500
	Felixstowe ...	15·7	−4	SES	2	z.	66	85	61	6	5	3	–	7-8	9	1500
	Gorleston ...	15·6	−2	SE	3	bc	64	75	56	7	5	–	1	2-3	4-6	2500
	Mildenhall ...	15·3	−4	SW	2	c	66	65	55	7	5	–	–	10	10	2500
	Cranwell ...	14·6	−8	SSE	6	c	62	85	56	6	5	2	–	7-8	10	1500
3	Birmingham ...	13·6	−10	S	2	c	66	65	53	8	2	–	–	7-8	7-8	2500
	Upper Heyford	14·2	−10	SSE	2	c	66	55	51	7	2	–	–	9	9	3000
4	Ross-on-Wye	13·4	−12	SW	3	bc	68	55	53	8	1	–	1	4-6	4-6	3500
5	Hartland Point	12·0	−14	SSW	3	bc	68	65	53	8	1	4	5	1	4-6	3500
	Bristol ...	14·8	−8	SSW	2	c	69	65	55	8	1	3	–	4-6	7-8	4000
	Portland Bill ...	15·1	−12	S	3	c	63	85	59	8	2	4	–	4-6	10	4000
	Plymouth ...	13·6	−12	SSE	3	c	66	75	55	8	7	7	–	4-6	7-8	2000
	The Lizard ...	12·5	−10	SE	3	id.	61	85	58	8	5	–	–	10	10	1500
	Scilly (St. Mary's)	11·0	−18	SE	4	id.	62	97	62	5	5	2	–	7-8	10	500
	Guernsey ...															
6	Pembroke ...	11·8	−16	SSE	4	bc	63	85	58	8	2	3	–	4-6	4-6	3000
7	Holyhead (Valley)	12·2	−12	S	4	c	63	65	52	8	–	7	–	0	9+	–
	Chester (Sealand)	12·4	−6	ESE	3	c	67	65	55	6	7	6	–	7-8	9	2000
8	Manchester ...	13·5	−10	SSE	4	z.	62	75	55	6	5	–	–	10	10	2500
10	Spurn Head ...	15·7	−2	ESE	2	c/d	60	92	57	6	5	2	–	7-8	10	2500
	Catterick ...	14·7	−14	SSE	2	z.	61	75	54	6	5	–	–	4-6	9+	1000
	Tynemouth ...	15·5	−10	SE	3	c	59	75	52	7	8	–	–	7-8	7-8	2200
11	St. Abbs Head	14·0	−14	ESE	3	c	60	75	52	7	5	4	–	4-6	7-8	4000
	Leuchars ...	13·8	−14	E	3	bc	60	65	48	9	1	4	1	1	4-6	2500
12	Renfrew (Abbotsl.)	12·1	−16	SSE	1	r.r.	61	75	54	7	5	7	–	9	10	3000
	Eskdalemuir ...	12·8	0	SSE	2	c	59	75	51	7	8	–	–	10	10	1800
	Point of Ayre ...	11·9	−14	S	4	z.	60	92	57	6	6	2	–	4-6	10	800
13A	Tiree	09·8	−14	SE	4	c	57	85	53	7	5	–	–	10	10	1800
13B	Stornoway ...	11·7	−14	ESE	3	c	56	85	52	8	5	7	–	7-8	10	3500
15	Dalwhinnie ...	12·4	−12	SE	3	c	58	65	47	8	8	–	2	2-3	7-8	2500
	Aberdeen ...	14·4	−12	SEE	3	b	60	75	50	8	1	–	5	Tr	1	3500
	Wick ...	16·2	0	SE	4	c	55	75	47	9	8	7	–	2-3	7-8	3000
16	Sumburgh ...	15·6	−8	NE	4	c	53	85	47	9	5	–	–	10	10	2300
17	Blackasod Point	03·9	−14	SE	4	c/pr	61	85	56	8	9	–	–	10	10	1500
18	Malin Head ...	08·2	−14	SSE	4	c/pr	57	75	50	8	9	2	–	7-8	10	1500
	Aldergrove ...	10·0	−18	SE	3	c	62	65	51	7	8	7	–	7-8	9	2000
19	Birr Castle ...	07·6	−18	S	3	ir	59	92	58	7	6	2	–	7-8	10	800
20	Valentia Obsy.	05·8	−10	SSW	4	id.	62	97	61	6	5	–	–	10	10	450
	Roches Point	07·4	−22	SSE	4	Dr	59	97	58	4	5	2	–	10	10	450

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

District	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	13·4	−6	SW	3	bc	65	65	53	8	5	–	6	2-3	2-3	4000	1	•
	14·3	−2	SW's	3	b	64	65	52	8	2	4	1	Tr	1	3000	1	•
	13·6	−6	S'W	3	b	64	55	54	8	–	–	9	0	1	–	0	•
	13·0	−16	SSE	4	bc	62	75	52	8	4	6	1	Tr	4-6	3500		•
	14·2	−10	SE'S	3	b	63	75	54	9	–	4	–	0	1	–	0	•
	16·3	0	S	2	b	62	75	54	8	–	4	1	0	Tr	–	0	•
	15·0	−2	SSW	1	bc	65	65	51	7	–	4	2	0	4-6	–	0	•
2	14·8	−2	SSE	2	bc	65	75	56	8	–	7	–	0	2-3	–	0	•
	14·6	−6	SE'E	3	bc	65	85	61	7	–	4	1	0	2-3	–	0	•
	14·9	−2	S	4	c	62	85	58	7	5	3	–	4-6	7-8	1500	0	3
	13·4	−10	SE'E	2	c	66	75	57	7	8	7	–	7-8	9+	2000	0	•
	12·7	−8	SE	2	bc	65	75	56	6	5	7	2	4-6	7-8	3500	0	•
3	11·6	−12	SSE	3	c	65	56	50	8	5	9	–	Tr	7-8	4000	0	•
	12·4	−10	S	4	bc	65	55	48	8	–	7	2	0	4-6	–	0	•
4	11·8	−14	S	2	c	65	65	52	8	1	7	1	Tr	9	4000	0	•
5	08·8	−22	S	4	c/pr	61	92	58	7	5	2	–	7-8	9+	1500	0	3
	12·5	−16	S	3	c	65	75	56	9	–	7	–	0	9+	–	0	•
	12·9	−12	E	4	c	61	85	58	8	5	–	–	10	10	4000	1	2
	11·1	−20	SE	3	dd	60	97	60	5	5	–	–	10	10	300	1	2
	09·6	−8	S	3	rf	61	97	61	2	5	–	–	10	10	400	1	3
	08·5	−10	S'W	3	F	63	97	62	1	–	–	–	10	10	4150	1	3
6	08·7	−16	SE	5	pr	59	97	59	5	8	–	–	10	10	2000	1	4
7	09·2	−22	SE's	2	c	63	75	55	8	1	8	1	Tr	9	5000	0	2
	10·2	−12	SE's	2	c	67	45	51	7	4	3	8	2-3	7-8	4000	0	•
8	11·2	−14	SE	3	c	64	75	55	6	4	3	2	4-6	9	3000	0	•
10	13·5	−10	SE	4	z.	60	92	58	6	5	2	–	4-6	10	2500	0	3
	12·5	−10	E's	2	z.	61	85	56	6	5	3	–	4-6	9	2000	0	•
	13·9	−4	SSE	3	c	56	92	54	7	8	–	–	9+	9+	2500	1	2
11	12·2	−4	ESE	4	c	54	97	53	7	5	–	–	10	10	2500	0	3
	12·2	−10	ESE	3	c	56	85	52	8	5	2	–	7-8	10	2200	0	•
12	10·1	−16	ENE	3	z.	57	85	53	5	5	2	–	7-8	10	3500	1	•
	11·1	−10	SE	2	0	58	85	53	6	5	–	–	10	10	900	1	•
	10·0	−18	S'W	1	ir	60	85	54	8	6	7	–	1	10	1500	1	3
13A	07·5	−6	SEE	4	c/r	56	92	54	7	5	–	–	9+	9+	1800	1	4
13B	09·4	−6	E	4	r.r.	58	85	54	8	5	7	–	7-8	10	2500	1	2
15	11·4	−6	SE	3	0	54	75	47	7	5	2	–	7-8	10	2500	0	•
	13·0	−8	SE's	2	bc	55	85	49	8	1	7	6	1	4-6	2000	0	2
	11·1	−14	E	2	bc	54	75	48	9	2	3	1	4-6	4-6	2500	0	•
16	14·0	−8	NNE	2	c	51	92	48	8	5	–	–	9+	9+	2300	1	2
17	02·8	−10	S	4	c/r	59	97	58	8	9	–	–	10	10	800	1	4
18	05·6	−14	SE	3	id.	56	92	54	6	6	2	–	4-6	10	1500	1	3
	07·7	−14	SSE	2	rr	55	92	53	5	6	2	–	7-8	10	1500	1	•
19	03·8	−20	S	3	c	62	92	60	8	8	7	–	7-8	9	1500	1	•
20	04·1	−14	SSW	3	c/r	61	97	60	7	5	7	–	4-6	9+	800	1	3
	05·1	−14	S	4	dr	59	97	58	7	5	–	–	10	10	450	1	4

PAST 24 HOURS.

District	Weather. 7h.—13h. 24th. (39)	13h.—18h. 24th. (40)	18h. 24th to 1h. 25th. (41)	1h.–7h. 25th. (42)
1	cm.cbc	bc		cr.cid.
	cm.cm.bc	cbc.cbc	bm.bc	cr.r.m
	ow.m.z.bc	bc.cby	by.bc.w	cid.pd.m.
	cm.by	bc.y.bc	bc.cd.d.	cd.d.m.
	cr.r.m.bc	b.b.c.b	bb.cc.l.r.	cir.m.d.
	cm.z.bc.z.	p.c.b	bb.c.W	bc.w.c id.
	bc.m.	cbc.m.bz.	b.c.bb.c	cbc.m.
2	of.m.bc.m.	bc.m.bc	c	c
	cm.bc.m.c	cm.bc.b	bb.cc	cbc.bm.c
	cbc.z.	bcc	b.b.c.w	bcc
	cm.c	cbcc	bbc.m.bc	cm. cid.
	cm.	cbc.m.	bc.m.	cm.cid.m.
3	oc	cbcc	c	c.o.z
	cm.bc	cbc	bc.c.i.r.	cid.m.f
4	c.z.bc	bc.y.c	cp.c	cd.o
5	bc	bc.c.p.	r.r.c	cidd
	cjf.bbc	bc.b.bc	c.i.r. c.d.	cd.r.r. m.
	bcc	c	orr	orr.c
	b.c.b.bc	bc.c.d.d	d.d.f.c.n.d.d.	f.d.d.m.
	cidc	cd.f.r.f	or.f.f	r.f.o
	cid.	cod.f.f	Fr.fr.fe	or.f.r.f
6	bc	c.p.r	d.f.R.F	c.p.r, f.d.d.m.
7	ebcc	cir.c	cr.r.r	c.r.r. R
	cm.c.z.	c.z.o.y	c.z.o.y	cm.r.r.m.
8	cm.z.	bc.c.z.	bc.c.i.r.	cir.m.
10	cd.m.	cm.	bc.m.	c
	cm.cm.	cm.	cm.cm	cm.c.r.r.m
	c	c	0	oir m.
11	c	c	com.r.oir	oir m.f
	bc	bcc	cir.m.	cir. o.m.ir
12	c.z.r.	cm.r.r.r.	r.r. d.d.m.	cm.m.r.r.
	c	cir. 0	om.c.r	corr
	z.c	z.c	r.r.Rc	r.r.r.
13A	oir.	c.i.R	p.r.r.	P.R.ir
13B	c	cr.r.	cr.r.r.	0
15	c	co		epr.
	bm.c	bbc	bcc	cm.
	c	bc	c	c
	cid.c	cd.d., id.c	cdd.m.	cd.d.m.c
17	pr	r	c	r
18	pr	r	r	r
	cid.m.c.id.	cr.r. rr	crr, cd.d.	cdd.r.r.m.
19	r	r		r
20	r	r	r	r
	r	r	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 25th August, 1942.

Districts	
1	S.E. England
2	E. England ...
3	E. Midlands ...
4	W. Midlands
5	S.W. England
	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 Southerly winds; fair periods; occasional rain with increasing chance of thunder; warm and very close.

Moderate Southerly winds; cloudy or dull; occasional thundery rain, with probability of some thunderstorms later; warm and very close.

Winds Southerly moderate to fresh locally; cloudy or dull, rain at times; probability of thunder later; very close.

Moderate to fresh easterly winds; cloudy, some occasional rain or drizzle spreading from the south; coast and hill fog at times in the east; rather close.

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

Light variable winds; mainly cloudy, occasional rain or drizzle; local coast fog at times; close.

GENERAL INFERENCE

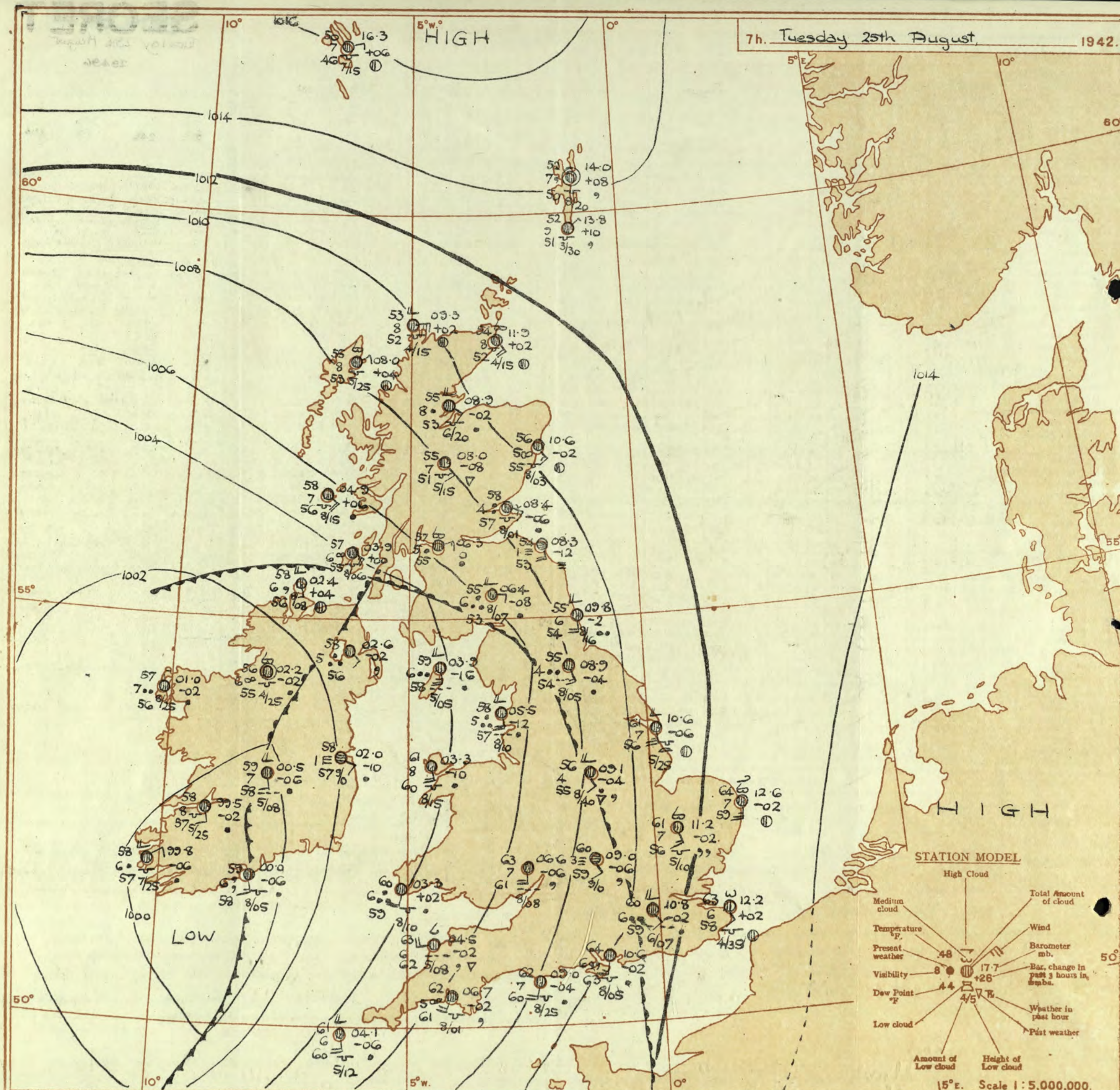
A slow moving complex depression, centred over Ireland, with secondaries moving up from South or Southwest will maintain unsettled weather generally with warm, very close conditions in many districts. The tendency to thunderstorms and thundery rains is rapidly increasing.

FURTHER OUTLOOK

Unsettled; warm and close; thundery rain in many districts.

Forecasts issued at 10.30.

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of
Tuesday 25th August
1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Tuesday 25th August 1942

No. 29496

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F (6)	Humid. % (7)	Dew Point °F (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	•	•	•	•	•	58	•	•	•	•	•	•	•	•	•
	Croydon	290	12·2	-18	SE	1	c	58	85	53	7	5	7	-	4-6	9	4500
	S. Farnborough	226	11·2	-18	SE'E	2	c	58	85	54	6	5	2	-	2-3	9+	2000
	Boscombe Down	417	11·4	-14	SE	3	d.d.	57	97	57	7	5	2	-	9	10	800
	Thorney Island	10	11·7	-14	SSE	3	ir.	63	85	57	7	5	-	-	10	10	2500
	Lympne	283	14·9	-12	S	2	bc	56	97	55	8	-	-	3	0	4-6	-
	Manston	154	13·6	-14	SE	2	c	60	92	57	7	5	-	-	7-8	7-8	4500
2	Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Felixstowe	12	14·0	-6	SSW	4	c	63	75	56	7	-	5	6	0	7-8	-
	Gorleston	5	13·8	-8	S	5	bc	61	92	59	7	-	-	5	0	2-3	-
	Mildenhall	15	13·0	-6	SE'S	3	c	56	85	50	7	-	3	-	0	7-8	-
	Cranwell	203	11·5	-12	S'E	3	z.	54	92	51	5	5	3	2	2-3	7-8	5000
3	Birmingham	536	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Upper Heyford	408	11·3	-10	SSE	2	o/r	57	85	51	8	-	2	-	10	10	2400
4	Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5	Hartland Point	299	06·4	-18	S	3	c	62	92	60	7	5	2	-	7-8	10	2500
	Bristol	209	10·2	-14	S	4	d.d.	60	92	58	8	5	2	-	9	10	1000
	Portland Bill	32	10·0	-24	SE	4	rr	60	92	57	7	5	-	-	10	10	2500
	Plymouth	82	08·3	-18	SSW	3	df	62	97	62	2	-	-	-	10	10	<150
	The Lizard	240	07·4	-20	S	4	cF+	61	97	60	1	5	-	-	10	10	200
	Scilly (St. Mary's)	163	05·4	-20	S'W	5	F	62	97	62	1	-	-	-	10	10	<150
	Guernsey	175															
6	Pembroke	142	05·7	-14	SSE	4	rF	61	97	61	1	-	-	-	10	10	<150
7	Holyhead (Valley)	32	05·8	-16	SSE	4	r.r.	60	97	59	7	5	-	-	10	10	1000
	Chester (Sealand)	16	07·8	-12	SE	3	z.	59	85	55	6	5	2	-	7-8	10	1800
8	Manchester	235	08·9	-14	SSE	4	ir.	57	85	53	6	5	2	-	9	10	2000
10	Spurn Head	29	11·8	-14	SSE	4	bc	59	85	55	6	5	1	-	2-3	4-6	4000
	Catterick	175	10·5	-16	SSE	2	m	57	97	56	4	5	-	-	10	10	500
	Tynemouth	108	11·4	-14	SSE	3	o	56	97	54	6	5	-	-	10	10	1500
11	St. Abbs Head	280	10·0	-16	SE	3	ir.	55	97	55	6	5	-	-	10	10	1500
	Leuchars	36	09·8	-14	ESE	1	ir.	56	97	55	5	5	-	-	10	10	800
12	Renfrew (Abbots I.)	19	08·1	-14	EN	2	c/r	57	97	56	5	5	-	-	10	10	2500
	Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Point of Ayre	30	06·2	-16	SE	5	rr	58	92	56	7	6	2	-	7-8	10	800
13A	Tiree	22	05·4	-10	SE	5	r.r.	55	92	54	7	-	2	-	10	10	1500
13B	Stornoway	80	08·2	-2	NE	3	c	55	92	52	7	5	7	-	7-8	10	2500
15	Dalwhinnie	1176	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Aberdeen †	79	11·4	-10	SSE	2	c	53	92	51	8	5	7	-	9	10	1500
	Wick	114	11·9	-8	SE	4	c	53	85	50	8	5	2	6	2-3	7-8	1500
16	Sumburgh	19	13·0	-6	-	0	d.d.	50	97	50	6	5	2	-	9+	10	1000
17	Blacksod Point	18	02·1	-6	SW	2	c	58	92	56	8	8	-	-	9+	9+	1500
18	Malin Head	84	02·1	-14	SSE	4	rr	58	92	56	8	-	2	-	10	10	1500
	Aldergrove	268	04·6	-6	SE	2	d.d.	56	97	55	6	5	2	-	9	10	700
19	Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20	Valentia Obsy.	30	01·7	-18	SE	2	ir.	59	97	58	6	5	-	-	10	10	800
	Roches Point	22	02·6	-16	S	3	df	58	97	57	2	5	-	-	10	10	<150

OBSERVATIONS at 7 hr. G.M.T. 25th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F (21)	Humid. % (22)	Dew Point °F (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Max. Day 7h–18h °F (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 24th Hrs. (38)
London (Kew)	10·1	-8	SSE	2	id.	62	92	60	6	5	-	-	10	10	1500	1	•	70	54	45	-	0·1	7·2
Croydon	10·8	-2	SE	2	r.r.	60	97	60	6	6	2	-	9	10	700	1	•	71	64	53	-	1	7·7
S. Farnborough	09·7	-2	S'E	3	d.d.	63	97	63	5	5	-	-	10	10	600	1	•	70	56	51	-	0·5	9·1
Boscombe Down	09·7	+4	S	3	dd	62	97	61	4	6	-	-	10	10	300	1	•	68	57	54	-	1	8·3
Thorney Island	10·6	-2	S	3	d.d.	64	97	64	6	5	-	-	10	10	450	1	•	67	59	*	-	0·3	•
Lympne	13·7	-2	SSE	2	c/d	62	85	58	7	-	2	-	10	10	5700	0	§3	68	54	*	-	Tr	10·3
Manston	12·2	+2	SSE	2	c	63	85	57	6	5	3	-	4-6	9	3500	0	•	71	57	46	-	-	6·5
Shoeburyness	12·7	-2	S'E	3	c	63	85	57	8	5	2	-	9	10	4500	0	•	69	59	50	-	-	5·9
Felixstowe	12·5	-2	SSE	4	c	65	85	58	7	5	7	-	7-8	9+	4500	0	3	70	61	55	-	-	4·1
Gorleston	12·6	-2	S	5	c	64	85	58	7	-	7	-	0	7-8	-	0	4	64	61	59	-	-	3·2
Mildenhall	11·2	-2	SE'S	3	c/d	61	85	57	7	5	7	-	7-8	10	1000	1	•	69	51	45	-	Tr	1·4
Cranwell	09·7	-6	SE'S	4	z.	56	92	55	6	6	2	-	4-6	9+	600	1	•	65	51	*	-	0·3	0·8
Birmingham	07·6	-4	SSE	3	ir.	58	97	58	6	5	-	-	10	10	450	0	•	67	55	51	-	Tr	2·8
Upper Heyford	09·0	-6	SE	2	f	60	97	60	3	-	-	-	10	10	450	0	•	69	56	51	-	Tr	•
Ross-on-Wye	06·6	-6	S	4	o	63	92	61	7	6	-	-	10	10	800	1	•	69	58	57	-	0·1	7·2
Hartland Point	04·5	-2	WSW	4	c/r	63	97	61	6	6	4	-	7-8	10	800	1	4	68	60	60	Tr	2	6·1
Bristol	08·2	-6	S	2	c/r	64	97		8	-	2	-	10	10	800	1	•	69	58	53	-	0·6	9·0
Portland Bill	09·0	-4	S	4	c	62	92	57	7	5	-	-	10	10	2500	1	4	63	57	•	-	2	•
Plymouth	06·7	-2	SSW	4	z.	62	97	62	5	5	-	-	10	10	<150	1	3	67	61	58	1	4	6·4
The Lizard	05·7	-2	S'W	4	o	61	97	61	5	5	-	-	10	10	600	1	3	64	60	•	2	2	2·1
Scilly (St. Mary's)	04·1	-6	S'E	4	c	61	97	61	6	5	2	-	7-8	10	1200	1	4	65	60	•	0·3	1	0·1
Guernsey																							
Pembroke	03·3	+2	S'W	4	rr	60	97	60	6	5	-	-	10	10	1000	1	4	63	51	•	Tr	14	5·3
Holyhead (Valley)	03·3	-10	SSE	4	c/r	61	97	60	8	5	-	-	10	10	1500	1	3	65	59	57	Tr	12	•
Chester (Sealand)	05·7	-6	SE	2	c/r	58	97	57	6	6	2	-	9	10	1000	1	•	71	58	54	-	3	4·3
Manchester	07·1	-4	SSE	4	RR	58	92	56	6	6	2	-	7-8	10	800	1	•	67	57	50	-	1	•
Spurn Head	10·6	-6	SSE	5	c	61	85	57	7	7	2	-	7-8	9+	2500	0	4	60	58	*	Tr	-	2·5
Catterick	08·9	-4	SE	3	r.r.	55	97	55	4	6	-	-	10	10	500	1	•	62	55	52	-	4	0·0
Tynemouth	09·8	-2	SSE	4	c/r	55	97	54	6	-	2	-	10	10	1600	1	3	60	55	51	-	-	1·5
St. Abbs Head	08·3	-12	SE	4	F	54	97	54	1	-	-	-	10	10	<150	1	3	60	53	•	-	0·6	•
Leuchars	08·4	-6	ESE	3	ir	58	97	56	4	5	-	-	10	10	100	1	•	61	55	46	-	0·2	5·1
Renfrew (Abbots I.)	06·3	0	ENE	3	ir	57	92	55	5	-	7	-	0	10	-	1	•	62	56	54	0·3	5	0·2
Eskdalemuir	06·4	-8	E	2	rr	55	92	53	6	-	2	-	10	10	700	1	•	60	54	52	Tr	3	0·6
Point of Ayre	03·9	-16	SSE	5	r.r.	59	97	58	6	6	2	-	7-8	10	800	1	4	63	57	•	-	17	0·3
Tiree	04·9	+6	SE'E	4	o	58	92	55	7	5	-	-	10	10	1500	1	4	59	55	•	2	7	0·0
Stornoway	08·0	+4	NE	2	c	55	92	53	8	5	7	-	7-8	10	2500	1	1	59	54	•	Tr	Tr	1·3
Dalwhinnie	08·0	-8	SE	3	c	55	85	51	7	5	5	-	7-8	9+	1500	1	•	59	50	50	-	0·1	5·1
Aberdeen †	10·6	-2	SE	3	z.	56	97	55	5	5	-	-	10	10	300	1	3	59	52	48	-	-	11·1
Wick	11·9	+2	ESE	4	c	54	92	51	8	5	7	-	4-6	10	500	0	•	57	54		-	-	•
Sumburgh	13·8	+10	NE	1	c	52	97	51	9	5	3	-	2-3	9+	3000	1	1	56	49	48	Tr	1	1·7
Blacksod Point	01·0	-2	N	1	r.r.	57	97	57	7	-	2	-	10	10	2500	1	1	62	53	•	3	1	•
Malin Head	02·4	+4	SE'S	1	d	58	92	57	6	-	2	-	10	10	800	1	2	59	55		3	13	0·0
Aldergrove	02·6	-2	ESE	2	rr	58	92	56	5	6	2	-	9	10	300	1	•	63	54	50	4	7	0·9
Birr Castle	00·5	-6	SSE	2	c	59	97	59	7	6	2	-	7-8	10	800	1	•	62	58	56	6	6	0·0
Valentia Obsy.	99·8	-6	NE'E	2	ir.	58	97	58	6	5	2	-	9+	10	2500	1	2	64	57	55	1	11	0·1
Roches Point	00·0	-6	SSE	3	id	59	97	59	6	5	-	-	10	10	450	1	4	61	58	•	8	3	•

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

IIIC_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN
109 8-	02956	09426	70	01863	08424	5-	02857	10327	02	13967	09427
115 53	02854	12425				52	02844	12527	52	02844	08527
203 52	02954	00028									
206 50	01963	08424	57	02863	08317	52	02865	10128	52	61856	10268
210 70	01963	39403	--	02854	08315	5-	02768	10228	52	10646	08368
220 52	22745	14368	62	63645	13428						
230 52	22855	12168	5-	02758	10128	5-	62648	08168	52	02647	04268
245 10	00962	12313	53	02952	12316	5-	03838	09328	5-	48308	11458
260 57	02765	08317	5-	63648	07268	02	22348	08168	5-	41448	09248
278 5-	22638	14368	67	62843	13368	5-	64528	12468	5-	64528	10468
279 52	05665	14328	53	05655	08127	5-	22568	05268	52	62554	07268
285			5-	05628	12328				--	67109	08469
288 5-	05655	00028	5-	02768	12228	01	05690	12327	62	22743	13368
575 52	62645	16268	62	51637	14358	58	02844	16266	57	05654	00068
301 53	05556	14457	57	05554	14327	5-	22668	14368	62	64548	14468
321 5-	02748	14128	17	02753	12127	07	05590	16326	52	51655	13368
299 5-	03748	30128	5-	05638	02228	5-	05644	12314	5-	02745	12328
292 57	05655	14227	04	05690	10223	07	08490	12114	62	52425	12358
310			--	01634	20314						
614 7-	05567	12227	10	05562	10124	02	62567	18267	02	25468	14258

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

IIIC_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN
333 18	02851	14315	57	02964	14225	62	52526	16468	62	52626	14468
334 --	01772	20203	--	02764	20214						
340 2-	02766	15427	53	02875	15416	5-	02748	14328	5-	52448	14468
136 5-	05647	00028	53	05666	14227	03	01790	14313	07	02790	13317
336 10	01753	16314	53	01753	16414				--	67309	14369
350 2-	05656	16226	24	01753	16324	5-	02764	14327	57	05628	14358
368 13	01963	12314	57	02855	18317	52	02756	10357	52	02745	12328
379 2-	02855	14345	93	01990	16415	5-	02858	10358	--	57109	14359
390 23	05664	00026	26	01761	16223	53	05574	14326	57	22545	14367
382 2-	02866	18326	04	01990	16304	57	02865	13327	5-	52438	12358
438 70	01754	18214	04	00790	18203	57	02765	14318	5-	02748	22328
430 20	01864	20314	03	00890	15212	57	02767	14328	5-	52428	18358
409 57	02844	14527	5-	62518	13468	5-	52408	16458	5-	05627	18357

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 25th August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	em.cbe	bc	cr.cid.
Croydon	omem.bc	cbcabc	bm.cr.cr.m
Greenwich	c	cb	b.bccm.
Camden Square	e	e	•
Kensington	bcc	bc	•
Hampstead	be	be	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended … Max. 20 … Min. Time whole period

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	70	54	45	-	0·1	7·2	•	•
Croydon	71	64	53	-	1	7·7	•	•
Greenwich	67	54	41	-	-	2·6	73	86
Westminster	67	55	51	-	-		79	93
Regents Park	67	53	43	-	-		72	81
Camden Square	67	55	48	-	-	•	•	83
Kensington	67	53	43	Tr	-		69	86
Hampstead	66	54	48	-	-		•	85

SECRET

Page 1

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

Wednesday 26th August 1942

No. 29497

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	°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)	11·0	+4	S	4	%d	69	85	65	8	5	-	-	9+	9+	1500
	Croydon	11·1	0	S'E	4	ido	68	92	65	7	5	-	-	10	10	1500
	S. Farnborough	10·5	+2	S'W	4	dodo	68	85	63	8	6	1	-	7·8	10	800
	Boscombe Down	09·7	-2	S	4	dr	63	97	62	6	6	2	-	9	10	300
	Thorney Island	11·2	+4	SSE	4	ir	67	92	62	7	5	7	-	7·8	10	800
	Lympne	13·8	-2	SSE	3	c	67	85	62	8	5	7	-	7·8	9+	2500
	Manston	12·3	-2	SSW	4	c	72	75	62	8	1	9	-	4·6	9+	1500
2	Shoeburyness	12·6	-2	SSE	4	c	67	85	64	8	5	3	-	9	9+	2500
	Felixstowe	12·6	+2	SSE	4	c	70	75	62	7	5	7	-	7·8	9	2500
	Gorleston	12·6	0	S'W	5	c	65	85	59	7	5	4	-	4·6	7·8	2000
	Mildenhall	10·7	-6	S	4	c	71	75	62	8	5	-	-	10	10	2500
	Cranwell	09·4	-4	S'E	4	c	69	85	64	7	6	2	-	4·6	10	600
3	Birmingham	08·5	+2	S	3	rr	63	97	62	5	6	-	-	10	10	800
	Upper Heyford	08·9	0	S	4	c	67	75	60	8	5	-	-	10	10	1500
4	Ross-on-Wye	07·2	0	S	4	ir	64	92	62	6	6	1	-	9+	10	800
5	Hartland Point	04·6	-6	SSE	3	ir	64	92	61	8	5	6	-	7·8	10	1500
	Bristol	08·4	+2	S	3	dodo	64	97	64	5	6	2	-	9+	10	500
	Portland Bill	09·4	+2	S	4	ir	62	92	59	7	5	-	-	10	10	2500
	Plymouth	06·7	+2	S	3	dodo	63	97	63	4	5	-	-	10	10	100
	The Lizard	05·1	-4	S	3	%f	62	97	62	3	5	-	-	10	10	600
	Scilly (St. Mary's)	04·0	+4	SSW	4	c	65	85	61	7	5	7	-	4·6	7·8	1200
	Guernsey															
6	Pembroke	04·4	0	SE'S	4	rr	60	97	60	6	8	2	-	9	9+	1500
7	Holyhead (Valley)	04·9	+10	S'E	3	ir	63	92	61	6	5	7	-	7·8	9+	2000
	Chester (Sealand)	05·9	+2	SSE	3	roro	65	75	58	6	5	2	-	4·6	10	1000
8	Manchester	07·0	0	SE	4	c/r	67	85	62	6	5	7	-	7·8	10	1500
10	Spurn Head	10·0	-4	SE'S	2	c	64	85	60	7	7	7	-	7·8	10	2500
	Catterick	08·7	+2	SSE	1	m	61	97	60	4	5	2	-	7·8	10	600
	Tynemouth	09·4	0	SSE	3	zo	56	97	55	6	-	2	-	10	10	1600
11	St. Abbs Head	07·4	-8	ESE	4	rf	55	97	55	3	5	-	-	10	10	<150
	Leuchars	08·0	-2	ESE	4	roro	57	97	56	6	5	-	-	10	10	300
12	Renfrew (Abbots I.)	05·9	-2	E'N	3	c/r	60	92	58	5	5	2	-	4·6	10	1000
	Eskdalemuir	06·3	+4	SE	2	ido	59	92	56	6	-	2	-	10	10	800
	Point of Ayre	04·5	+10	S'W	3	c	61	97	60	7	6	2	-	7·8	10	800
13A	Tiree	05·0	0	ENE	2	rr	58	92	56	6	-	2	-	10	10	1500
13B	Stornoway	08·0	-2	E	5	c	60	85	56	7	5	6	2	2·3	7·8	3500
15	Dalwhinnie	08·0	-4	SE	3	iro	58	85	54	7	5	7	-	4·6	9+	1500
	Aberdeen	11·1	+2	SE	3	iro	57	97	56	6	6	2	-	7·8	10	800
	Wick	12·1	+2	NE	3	o	55	97	54	6	5	-	-	10	10	300
16	Sumburgh	15·2	+8	ESE	3	bc	57	85	51	9	5	-	8	Tr	2·3	3500
17	Blacksod Point	01·0	+2	NNE	3	iro	61	97	60	7	-	2	-	10	10	1500
18	Malin Head	02·9	+6	E'S	5	iro	58	92	56	7	6	2	-	7·8	10	800
	Aldergrove	02·6	+2	SE	2	c	65	85	61	6	8	7	-	9+	9+	1000
19	Birr Castle	00·4	+2	SSE	1	c	64	85	60	8	8	2	-	7·8	9	1500
20	Valentia Obsy.	00·7	+8	NW'W	3	c	60	92	58	7	5	-	-	9+	9+	1500
	Roches Point	00·2	+8	S	3	bc	63	92	61	8	2	-	-	4·6	4·6	1500

OBSERVATIONS at 18h. G.M.T. 25th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	°F. Temp. (21)	% Humid. (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 25th (39)	Weather 13h.–18h. 25th (40)	Weather 18h. 25th to 1h. 26th (41)	Weather 1h.–7h. 26th (42)
London (Kew)	10·6	-2	S	3	c	69	85	63	8	8	7	-	4·6	9	2500	1	•	idoDc	cdidoc	Rrroiro	iro riroiro
Croydon	11·0	0	SSE	2	c	69	85	64	8	8	4	6	4·6	9+	2000	1	•	roddmc	cidc	crrmoc	ciroc
S. Farnborough	10·1	-2	SSE	2	roro	68	85	64	7	5	7	-	9	10	800	1	•	cjpcdo	cdocrorro	croRidomo	oDidoRrrocmo
Boscombe Down	09·8	+2	S'W	4	iro	63	97	62	7	6	2	-	9+	10	500	1	•	cmoroc	cdriro	cirocrr	cloro
Thorney Island	10·6	-2	S'W	3	c/r	65	97	63	6	5	7	-	4·6	10	800	1	3	orrfir	crorocmo	cirocmo	cmoiroc
Lympne	13·2	-2	SE'S	2	c/pr	66	85	62	8	5	7	-	9	9+	2500	0	§	cdomcmo	cproc	cbcc	cbbc
Manston	12·2	-2	S'E	2	c	69	85	63	8	5	9	6	7·8	9+	4000	0	•	cmorodc	c	crorocz o	cmobcmoc
Shoeburyness	12·3	-4	S'E	4	c	70	85	64	9	5	3	-	9	9+	4000	0	•	c	c		crrcir
Felixstowe	12·2	-4	SE	2	bc	69	85	63	8	8	-	3	4·6	9	4000	0	3	cirocciodoc	c	c	c
Gorleston	12·5	0	S'W	3	c	66	85	62	7	-	7	1	0	7·8	-	0	3	c	c	cbc	bc
Mildenhall	10·9	0	S'E	3	c	72	75	62	8	5	7	-	4·6	9+	1500	0	•	cidoc	c	ccirorrmo	crrmoc
Cranwell	09·3	+6	S'E	3	pr	68	85	63	6	8	7	-	9+	10	2000	1	•	cmoc	ccpro	crrmororomo	croiromo
Birmingham	08·8	0	SSE	3	rr	63	97	62	6	6	-	-	10	10	800	1	•	omrrr	orRr	oir	ORc
Upper Heyford	09·3	+2	S	2	iR	63	97	63	5	6	2	-	9+	9+	200	1	•	ofmoido	rriR	rorocciromo	irororomo
Ross-on-Wye	07·3	0	S	4	ido	64	92	62	7	6	1	-	9+	10	800	1	•	docrodoO	rdooriro	orror	cbcc
Hartland Point	05·5	+10	SW	3	c	61	92	58	8	5	4	-	7·8	7·8	1500	1	3	circ	ciriro	cbcb	bbcw
Bristol	08·4	0	S	3	c/r	64	97	63	8	5	2	-	9	10	700	1	•	cdororomo	cRRrororc	croroido	cbcc
Portland Bill	09·6	+2	S	4	roro	61	92	59	7	5	-	-	10	10	2500	1	4	oir	oir	orr	o
Plymouth	06·9	0	SSW	1	c/d	59	97	59	6	5	7	-	4·6	9+	800	1	2	ododofm	pdoroido	cbcb,c	bcmoproc
The Lizard	06·2	+6	SW'S	3	c	60	97	60	8	8	-	-	7·8	7·8	1500	1	4	orrff	ofrrc	cbcw	bccbc
Scilly (St. Mary's)	05·1	+8	SW'W	3	bc	63	85	59	7	8	-	-	2·3	2·3	1500	1	4	ciroc	cbc	bcwc	c
Guernsey																					
Pembroke	04·6	+4	S	4	bc	60	97	59	7	2	6	-	1	4·6	2500	1	4	ifcrrmo	crrbcmo	cbc	bccpr
Holyhead (Valley)	04·5	-6	E	3	c/r	63	92	62	6	5	7	-	7·8	10	2500	1	3	ciromo	cirmo	mocbcb	bwpro
Chester (Sealand)	06·1	0	SE	3	ido	65	92	62	6	5	7	-	2·3	10	800	1	•	crorromozo	crororm o	docrrmo	
Manchester	07·6	+2	SSE	4	iro	65	92	62	6	6	2	-	9	10	800	1	•	cmoiro	crrmo	iriroc	idoiro
Spurn Head	10·0	0	SE'S	4	c	63	92	61	7	7	7	-	7·8	10	1500	0	3	c	c	crrc	crr
Catterick	08·4	+4	SSE	3	iro	65	97	65	4	5	7	-	2·3	10	1000	1	•	orfrm	iromo	cirorof	rorocfemo
Tynemouth	09·5	+2	SE	3	o	58	97	57	6	-	2	-	10	10	1700	1	3	oiro	oir	oiro	ocmo
St. Abbs Head	08·6	+6	SE	2	rf	56	97	56	2	-	-	-	10	10	<150	1	3	orf	orf	ffrfoc	ofr
Leuchars	08·4	+4	E	2	iro	58	97	57	5	5	2	-	9+	10	200	1	•	rofrorom	ororocciromo	cirorrmc	mcmomforf
Renfrew (Abbots I.)	06·6	+4	ENE	3	m	63	85	59	4	5	2	-	7·8	10	3000	1	•	cmoro	cmoiroc	Rrrm	cmfrororr
Eskdalemuir	07·0	+4	SE	3	ir	62	92	61	6	6	2	-	4·6	10	700	1	•	croOido	idoiro	cRR	cromf
Point of Ayre	05·7	+2	SSE	3	c	61	92	58	7	5	7	-	4·6	9+	5000	1	3	rororrc	c	roroc	rocc
Tiree	05·4	+2	E	3	c	58	85	53	7	5	-	-	10	10	1500	1	4	orr	odr	ocbc	cbcc
Stornoway	07·4	+4	E	5	c	59	85	55	7	5	7	-	7·8	9+	3000	1	3	c	c	c	cbc
Dalwhinnie	07·5	+4	ENE	1	o	56	92	54	6	5	-	-	10	10	800	1	•	ciro	co		opro
Aberdeen	10·5	0	SE	3	m	57	97	56	4	-	2	-	10	10	500	1	3	ofdcro	roroircm	oiromirm	omiroff
Wick	11·6	-6	ESE	3	iro	56	97	56	5	5	-	-	10	10	300	1	•	cmoomo	omororomo	pdodomo	pmoomofff
Sumburgh	15·4	0	E	3	c	58	85	53	8	5	7	6	Tr	7·8	1000	0	2	b	bc	ccidomo	cidocmo
Blacksod Point	01·8	+6	N	4	c	60	92	58	7	8	5	1	4·6	9+	1500	1	3	r	c	c	c
Malin Head	03·2	+4	NE'E	2	bc	60	92	58	8	8	2	-	2·3	4·6	1500	1	2	r	pr	bc	bc
Aldergrove	03·9	+6	SSE	2	c	61	85	58	7	8	2	-	7·8	9+	1000	1	•	cmoc	cmobce	cidobcmo	bcmobcmowc
Birr Castle	00·8	+8	S	1	bc	64	75	56	8	5	-	-	4·6	4·6	2500	1	•	r	bc		r
Valentia Obsy.	02·5	+14	NW'N	3	c	60	85	55	8	5	-	-	9	9	2500	1	3	r	bc	c	r
Roches Point	01·6	+10	S	3	bc	61	92	59	8	5	-	5	2·3	4·6	1500	1	4	r	bc	bc	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 26th August, 1942.

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Light Southerly winds, falling light, variable; fair periods; some thunderstorms; fog later in night and first part of tomorrow; warm and very close.
5 S.W. England, 6 South Wales	Light South to Southeast winds; considerable bright periods; probably a few thundery showers; warm and 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	Light easterly winds; mainly cloudy or overcast; some occasional thundery rain and perhaps thunderstorms later; coastal and hill fog probably clearing tomorrow; close.
13A W. Scotland, 13B N.W. Scotland	Light variable winds; fair or fine; local morning fog; rather warm.
14 Mid Scotland, 15 N.E. Scotland	Light variable wind, finally southwest; cloudy or
16 Orkneys and Shetlands	dull; occasional rain today; fairer intervals later; much coast fog today; close.
17 N.W. Ireland, 18 N.E. Ireland, 19 S.E. Ireland, 20 S.W. Ireland	Light Southerly to variable winds; bright periods; some local showers; rather warm and close.

GENERAL INFERENCE

A depression centred off West Ireland is filling up, but pressure is likely to remain relatively low over the Bay of Biscay area. Warm very close conditions will persist with thunderstorms spreading up from the South. Fog will be rather persistent on the east coast of Scotland and will develop in many areas tonight.

FURTHER OUTLOOK

Rather warm with Thundery tendency persisting.

Forecasts issued at 10.30.

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

7h. Wednesday 26th August 1942.

1012 1014 1016 1018 1010 1008

10° 5°W. 0° 5°E.

60° 55° 50°

LOW

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F.

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in mbs.

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud

Scale 1 : 5,000,000.

Mb 1050 1040 1030 1020 1010 1000 990 980 970 960 950 940

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Wednesday 26th August

1942.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Wednesday 26th August 1942

No. 29497

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	•	•	•	•	•	64	•	•	•	•	•	•	•	•	•
	Croydon	290	11·6	0	SE	2	c/r	64	97	64	7	6	7	-	4·6	9	1600
	S. Farnborough	226	10·7	-2	SE'E	2	ido	64	97	63	6	5	-	-	10	10	400
	Boscombe Down	417	10·2	-2	S'E	3	rr	62	97	62	6	6	2	-	9+	10	400
	Thorney Island	10	11·0	0	SSE	3	c/r	64	97	63	6	5	-	-	7·8	10	2500
	Lympne	283	13·5	-2	E'S	2	c	64	85	59	8	5	7	-	1	9+	7000
	Manston	154	12·7	-2	SE	1	zo	64	85	60	6	5	7	-	4·6	9+	4500
2	Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Felixstowe	12	13·0	+4	SSE	3	c	66	85	60	7	-	7	-	0	9+	-
	Gorleston	5	13·2	+2	SW	4	bc	65	85	59	7	5	4	-	4·6	7·8	2500
	Mildenhall	15	12·2	+2	SE'S	2	rr	65	97	63	5	5	2	-	7·8	10	1500
	Cranwell	203	11·4	+2	SE'S	3	roro	64	92	63	5	-	2	-	10	10	300
3	Birmingham	536	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Upper Heyford	408	10·4	+4	S'E	2	i/o	63	97	63	6	5	-	-	10	10	400
4	Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5	Hartland Point	299	08·2	+8	SW	3	b	58	92	56	8	-	4	-	0	Tr	-
	Bristol	209	10·2	+10	SSE	1	c/r	62	97	61	8	5	3	-	7·8	9	1500
	Portland Bill	32	10·6	+8	S	3	rr	60	92	58	7	5	-	X	10	10	2500
	Plymouth	82	09·7	+10	-	0	bc	60	97	59	7	5	7	-	2·3	4·6	300
	The Lizard	240	08·9	+6	SSW	1	bc	58	97	58	8	8	-	-	4·6	4·6	1500
	Scilly (St. Mary's)	163	07·8	+8	S'W	3	c	59	97	58	7	8	3	-	4·6	7·8	1000
	Guernsey	175															
6	Pembroke	142	07·9	+10	S	3	bc	60	92	58	7	2	-	-	4·6	4·6	2500
7	Holyhead (Valley)	32	07·6	+6	SE	3	b	58	97	57	7	2	4	-	Tr	1	3000
	Chester (Sealand)	16	08·5	+10	-	0	c/r	60	97	59	6	5	7	-	7·8	10	2000
8	Manchester	235	09·3	+2	SE'S	3	c/r	64	85	61	6	5	7	-	7·8	10	2500
10	Spurn Head	29	11·9	+2	SE	4	c	63	97	61	7	8	7	-	4·6	9+	1500
	Catterick	175	11·3	+6	SSE	2	rf	61	97	61	3	6	2	-	9	10	500
	Tynemouth	108	10·4	-6	SSE	4	o	59	97	58	6	-	2	-	10	10	1500
11	St. Abbs Head	280	09·8	+2	ESE	1	oF	56	97	55	1	5	-	-	10	10	800
	Leuchars	36	10·2	-2	NE	1	m	57	97	57	4	5	-	-	10	10	400
12	Renfrew (Abbots I.)	19	09·1	+4	E'N	2	m	60	85	56	4	5	3	-	9	9	4000
	Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Point of Ayre	30	07·7	+12	-	0	roro	59	97	58	7	6	7	-	2·3	9+	800
13A	Tiree	22	08·3	+10	ENE	2	zo	60	92	57	6	5	7	6	4·6	10	3500
13B	Stornoway	80	09·6	+4	NE	2	c	55	97	55	7	5	7	-	7·8	9+	2500
15	Dalwhinnie	1176	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Aberdeen †	79	11·7	+2	ESE	2	rf	57	97	57	3	-	2	-	10	10	300
	Wick	114	11·8	-4	SE	4	b	55	97	55	5	5	-	-	10	10	300
16	Sumburgh	19	15·2	-8	ESE	5	ido	56	97	56	5	5	-	-	10	10	500
17	Blacksod Point	18	04·3	+10	-	0	c	59	97	58	8	5	3	-	4·6	7·8	2500
18	Malin Head	84	06·5	+10	ESE	3	c	59	92	57	7	2	7	-	4·6	7·8	1500
	Aldergrove	268	07·2	+8	SE	1	zo	56	92	54	6	5	-	-	2·3	2·3	1500
19	Birr Castle	173	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20	Valentia Obsy.	30	05·6	+10	NE	1	c	56	97	55	7	5	-	-	10	10	4000
	Roches Point	22	05·4	+12	S	1	bc	59	97	58	8	5	-	-	4·6	4·6	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	13·1	+16	SE	1	zo	64	97	62	6	8	3	3	2·3	9	4000	1	•
Croydon	13·0	+12	SE	2	c	63	92	61	8	5	3	2	4·6	9	1500	1	•
S. Farnborough	12·4	+14	SE	2	zo	64	97	64	6	5	7	-	4·6	9+	1000	1	•
Boscombe Down	12·1	+12	S'E	2	roro	62	92	61	6	6	-	-	10	10	300	1	•
Thorney Island	12·4	+14	S'E	2	c	65	92	62	8	5	3	2	2·3	7·8	1500	1	•
Lympne	14·8	+10	SE	2	bc	66	75	58	8	-	9	2	0	4·6	-	0	§2
Manston	13·9	+14	SSE	1	c	67	85	61	8	1	7	6	1	7·8	3500	0	•
Shoeburyness	14·1	+14	SSE	3	bc	67	75	60	7	-	7	-	0	4·6	-	1	•
Felixstowe	14·1	+14	SE	2	c	67	85	61	7	7	-	6	4·6	9	4000	0	2
Gorleston	14·4	+10	S'E	3	bc	65	85	61	7	5	7	-	2·3	4·6	2500	0	3
Mildenhall	13·4	+14	SE'S	2	c	63	92	61	7	7	7	-	7·8	9+	2000	1	•
Cranwell	12·3	+10	SE'S	3	c/r	63	97	63	6	6	-	-	9	9+	400	1	•
Birmingham	11·8	+14	SSW	1	zo	61	92	59	6	5	7	-	9	9+	1500	1	•
Upper Heyford	11·9	+14	SE	1	rr	63	97	63	4	5	-	-	10	10	200	1	•
Ross-on-Wye	11·3	+10	SW'S	2	c	58	97	57	6	5	7	-	2·3	9	3000	1	•
Hartland Point	10·6	+14	SE	3	bc	56	97	55	7	2	4	-	1	4·6	2500	1	4
Bristol	12·5	+14	S	1	zo	59	97	59	6	2	7	2	4·6	9+	4000	1	•
Portland Bill	12·1	+16	SE	2	o	60	92	58	7	5	-	-	10	10	2500	1	3
Plymouth	11·0	+12	S	1	zo	59	97	59	6	8	7	-	7·8	7·8	1500	1	2
The Lizard	09·8	+8	S	3	bc	59	97	59	8	8	6	-	4·6	4·6	2500	1	4
Scilly (St. Mary's)	09·1	+12	SSW	3	cjp	60	97	58	7	8	7	9	7·8	9+	1200	1	3
Guernsey																	
Pembroke	01·0	+2	SSE	3	pr	60	97	59	7	8	3	1	4·6	7·8	3000	1	3
Holyhead (Valley)	10·5	+18	E'S	2	bc	58	97	57	7	1	8	-	Tr	7·8	2000	1	2
Chester (Sealand)																	•
Manchester	11·4	+14	SSE	1	c/r	59	97	59	6	5	6	-	7·8	9+	2500	1	•
Spurn Head	13·3	+12	SE	3	rr	61	97	59	6	7	7	-	4·6	9+	1500	1	3
Catterick	12·4	+12	S	2	zo	63	97	63	5	5	2	-	7·8	10	400	1	•
Tynemouth	12·7	+10	SSE	3	zo	58	92	57	6	5	3	-	4·6	7·8	600	1	3
St. Abbs Head	11·3	+12	SE	2	F+	57	97	57	0	5	-	-	10	10	1000	1	3
Leuchars	12·1	+10	ENE	1	f+	57	97	57	2	-	-	-	10	10	<150	1	•
Renfrew (Abbots I.)	10·7	+8	E'N	2	rr	60	92	59	3	5	-	-	10	10	1200	1	•
Eskdalemuir	11·5	+18	E	3	of+	61	92	59	2	5	-	-	10	10	<150	1	•
Point of Ayre	10·8	+20	S	3	b	59	97	58	8	2	-	-	Tr	Tr	2500	1	2
Tiree	10·0	+16	E	2	c	60	92	56	7	5	-	-	9	9	2500	0	2
Stornoway	10·9	+10	-	0	bc	56	97	56	7	5	6	-	1	2·3	3500	1	1
Dalwhinnie	•	+12	SE	1	o	58	92	57	6	5	-	-	10	10	1500	1	•
Aberdeen †	13·3	+10	SE	2	F	58	97	58	1	-	-	-	10	10	<150	1	1
Wick	12·2	+8	SSE	3	F+	56	97	55	1	-	-	-	10	10	<150	1	•
Sumburgh	14·4	-2	ESE	4	zo	57	97	57	6	5	2	-	9+	10	500	0	3
Blacksod Point	07·8	+22	-	0	c	59	92	57	8	5	-	-	7·8	7·8	2500	1	1
Malin Head	09·1	+22	S	3	bc	58	85	54	8	5	4	-	2·3	4·6	1500	1	2
Aldergrove	09·7	+18	SE'E	2	zo	58	92	55	6	5	-	-	9	9+	1000	1	•
Birr Castle	08·3	+22	SSE	1	c	58	92	56	8	5	1	-	7·8	10	2500	1	•
Valentia Obsy.	07·5	+14	-	0	iro	58	92	56	8	5	7	-	7·8	10	2500	1	1
Roches Point	08·0	+18	S	2	c	58	97	57	8	5	-	-	9+	9+	1500	1	3

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 25th Hrs. (38)
London (Kew)	70	63	61	0·3	8	0·1
Croydon	70	62	61	1	5	0·4
S. Farnborough	69	63	62	0·6	10	0·6
Boscombe Down	66	61	60	5	12	0·0
Thorney Island	68	64	47	3	2	•
Lympne	69	61		0·3	-	0·0
Manston	75	63	58	Tr	Tr	1·4
Shoeburyness	72	63	58	-	5	1·1
Felixstowe	72	65	61	Tr	Tr	[illegible]
Gorleston	70	64	61	-	-	2[illegible]
Mildenhall	74	61	61	[illegible]	11	2·1
Cranwell	71	63	61	Tr	21	0·1
Birmingham	64	61		10	8	
Upper Heyford	69	62	60	10	10	•
Ross-on-Wye	66	57	51	5	3	0·1
Hartland Point	66	54	52	2	Tr	0·1
Bristol	65	57	52	8	3	0·0
Portland Bill	62	58	•	5	12	•
Plymouth	63	58	54	4	Tr	0·0
The Lizard	62	58	•	5	-	2·8
Scilly (St. Mary's)	66	58	•	1	-	7·2
Guernsey						
Pembroke	62	57	•	11	Tr	2·7
Holyhead (Valley)	65	57	53	5	1	•
Chester (Sealand)	65			4		
Manchester	68	59	58	9	3	•
Spurn Head	66	58		-	7	0·2
Catterick	66	57	55	13	3	0·0
Tynemouth	58	57		9	2	•
St. Abbs Head	56	56	•	4	4	•
Leuchars	59	56	56	4	2	0·0
Renfrew (Abbots I.)	65	57	49	1	6	0·0
Eskdalemuir	63	58	56	3	17	0·0
Point of Ayre	63	57	•	6	1	0·2
Tiree	60	55	•	7	-	0·0
Stornoway	62	54	•	-	-	3[illegible]
Dalwhinnie	59	55	52	0·1	1	0·0
Aberdeen †	57	56	55	4	2	0·0
Wick	56	54		0·1	0·5	•
Sumburgh	58	55	55	-	Tr	8·5
Blacksod Point	62	56	•	13	Tr	
Malin Head	61	58	55	7	-	0·6
Aldergrove	67	54	41	7	0·1	1·4
Birr Castle	70	57	55	1	Tr	3·7
Valentia Obsy.	64	55	50	2	0·1	
Roches Point	65	57	•	1	Tr	•

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 25th August ... 18h. G.M.T. — 01h. G.M.T. 26th August ... 07h. G.M.T.

III	13h $C_L C_M$	13h $wwVhN_h$	13h DDFWN	18h $C_L C_M$	18h $wwVhN_h$	18h DDFWN	01h $C_L C_M$	01h $wwVhN_h$	01h DDFWN	07h $C_L C_M$	07h $wwVhN_h$	07h DDFWN
109	52	02845	10426	52	05517	10428	02	05518	10458	5-	08418	152210
115				52	02735	41568	52	02734	12287	52	02844	20227
203	57	02845	06328							50	01853	12223
208	52	62545	10368	52	22764	06368	02	22548	00068	--	46109	00069
210	52	62664	08468				52	22855	08268	--	48209	24119
220	87	02854	07218	52	21745	00058				50	05754	22114
230	52	64746	07168	57	02756	00067	57	22654	00064	5-	05755	00025
245	6-	62528	09468	5-	05528	09168	5-	05518	04268	--	48109	04249
260	52	02745	12265	02	62558	08128				--	08409	08149
278	62	05617	12368	52	02837	10368	5-	51618	12368	8-	02747	14257
279	52	61665	13368	57	62655	00068	5-	05668	10368	53	05654	09264
285				--	67309	10269				5-	41528	10348
288	51	22746	14468	52	22745	07666	57	22764	12168	59	02755	13227
575	87	81736	08157	83	25854	12186	57	51646	08128	5-	02747	08127
301	52	22655	14468	67	22543	12468	57	05556	12467	57	21464	12266
321	52	02747	13458	57	02775	15468	52	05666	13368	62	62644	14368
299	8-	05647	12427	57	02755	16816	8-	62658	20368	5-	62748	20268
292	62	05636	13358	87	05653	11268	52	22546	12168	62	64637	14268
310	--	03618	16448	--	63428	20568						
614	87	25556	14388	52	61646	16368	57	05555	00027	62	62336	12168

III	13h $C_L C_M$	13h $wwVhN_h$	13h DDFWN	18h $C_L C_M$	18h $wwVhN_h$	18h DDFWN	01h $C_L C_M$	01h $wwVhN_h$	01h DDFWN	07h $C_L C_M$	07h $wwVhN_h$	07h DDFWN
333	52	62765	13368	57	22746	15367	5-	02746	14326	54	05642	15222
334										--	02545	00016
340	52	62955	14468	62	62736	14368	5-	52548	20258	53	05662	13115
136	57	02766	12358	54	02856	20327	09	61790	15368	59	02763	13267
336	52	02755	16328	57	22756	14368				50	05655	12315
350	87	02755	18456	82	02746	15358	5-	21428	09268	57	05663	12368
368	57	62647	14368	57	62747	16368	03	00890	00013	53	05654	12115
379	62	61836	47568	6-	64628	16368	6-	64508	16368	5-	22748	18268
390	5-	51336	16258	77	05655	16257	57	61544	16168	57	05575	14267
882	57	61845	16328	57	22834	14368	57	52644	12268	57	52836	00067
438				--	67009	20369				57	02764	18215
430	57	21636	16357	5-	64428	14268	5-	66328	12268			
409	52	05627	16568	84	02845	18325	00	09690	15200	5-	09615	14225

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 26th August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	id. Dc	edid. c	Rrrairir.
Croydon	rddmc	eidc	crrm. ir.
Greenwich	id	idc	crcRrc
Camden Square	cpr	cr	•
Kensington	cpr	c	•
Hampstead			

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

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	70	63	61	0·3	8	0·1	•	•
Croydon	70	62	61	1	5	0·4	•	•
Greenwich	72	62	58	0·3	13	0·4	84	83
Westminster	71	64	62	4			87	86
Regents Park	71	63	59	0·5	4		84	79
Camden Square	71	63	60	1	4	•	•	89
Kensington	72	62	59	0·1	4		80	87
Hampstead							•	

Page 1 BRITISH SECTION

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

SECRET

Thursday 27th August 1942

No. 29498

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	14.7	+4	SSE	2	c/pt	71	85	65	8	5	3	3	7-8	9+	4000
	Croydon	14.7	+4	SSE	2	c/pt	72	85	68	7	1	8	3	Tr	9	6000
	S. Farnborough	14.0	+2	SE	3	c/r	72	85	66	7	5	7	-	7-8	7-8	4000
	Boscombe Down	14.1	+6	S'E	4	c	70	85	65	8	2	6	8	4-6	9	1200
	Thorney Island	14.8	+12	SE	3	c/pt	68	85	64	8	5	7	-	4-6	10	800
	Lympne	16.8	+6	SE'E	1	ir	71	65	60	7	8	3	-	7-8	10	4000
	Manston	15.7	+4	E	1	c	75	65	64	7	2	9	-	2-3	9	4000
2	Shoeburyness	16.0	+2	E	3	c	68	85	64	7	7	7	1	7-8	7-8	2500
	Felixstowe	16.0	+6	E'S	4	pr	66	97	64	5	8	-	-	9+	9+	1200
	Gorleston	16.0	+2	S'W	3	bc	66	85	61	7	-	7	-	0	7-8	-
	Mildenhall	13.4	+10	S'E	2	c/pt	73	75	63	8	8	9	3	2-3	7-8	3500
	Cranwell	14.2	+4	SSE	3	c	73	75	66	7	5	-	-	7-8	7-8	1800
3	Birmingham	14.1	+4	SSE	2	o	67	85	63	8	6	-	-	10	10	1500
	Upper Heyford	13.6	+6	SE	3	c	72	85	64	8	8	6	-	7-8	9+	2000
4	Ross-on-Wye	13.6	+6	SE	1	o	64	85	59	6	5	-	-	10	10	1500
5	Hartland Point	12.6	+8	WNW	2	c	64	85	58	8	5	-	-	7-8	7-8	2500
	Bristol	14.5	+6	-	c	t	63	92	60	6	5	2	-	7-8	10	2500
	Portland Bill	13.4	+6	E	2	o	62	92	60	7	5	-	-	10	10	2500
	Plymouth	13.4	+8	S	2	c	67	75	59	8	8	3	-	2-3	9	2500
	The Lizard	12.4	+12	SE	3	bc	65	85	62	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	11.3	+10	SE'S	3	c	68	85	63	8	8	4	2	2-3	7-8	1200
	Guernsey															
6	Pembroke	13.2	+8	SE	4	c	63	85	60	7	8	3	-	4-6	9+	3000
7	Holyhead (Valley)	13.7	+10	S	1	b	68	75	60	7	2	6	-	1	2-3	3000
	Chester (Sealand)	13.3	+6	S	2	zo	69	65	57	6	5	2	-	4-6	9+	4000
8	Manchester	12.9	+6	S	1	zo	68	75	60	6	2	7	-	7-8	10	2500
10	Spurn Head	15.0	+10	SE'E	4	c	66	85	62	7	7	3	2	2-3	4-6	1500
	Catterick	14.4	+8	SSE	3	c/r	68	85	65	6	5	7	-	9	10	800
	Tynemouth	15.3	+6	SE	2	c	60	92	58	5	8	3	-	4-6	7-8	2200
11	St. Abbs Head	14.0	+6	SE	3	f+	55	92	47	2	5	-	-	7-8	7-8	3500
	Leuchars	14.6	+8	ENE	1	F+	60	97	59	3	-	-	-	10	10	<150
12	Renfrew (Abbots I.)	13.4	+4	-	0	zo	71	65	59	7	8	-	-	7-8	7-8	2500
	Eskdalemuir	14.1	+10	-	0	roro	63	85	60	7	5	-	-	10	10	800
	Point of Ayre	14.2	+16	SSE	2	bc	66	75	59	8	2	-	1	2-3	2-3	4000
13A	Tiree	13.4	+6	SE	2	c	68	92	58	7	5	7	-	9	9+	2200
13B	Stornoway	13.0	+6	SSE	1	b	61	85	59	8	1	4	-	Tr	1	3500
15	Dalwhinnie	15.3	+8	SE	2	bc	69	75	59	8	8	-	-	4-6	4-6	2500
	Aberdeen	15.0	+6	SSE	2	jf	64	85	60	6	5	3	-	9	9+	400
	Wick	13.8	+4	SSE	3	b/f	62	85	58	6	-	-	-	0	0	-
16	Sumburgh	14.9	-2	SSE	3	F+	58	97	57	3	-	-	-	10	10	<150
17	Blacksod Point	11.6	+16	-	0	c	64	85	60	9	8	-	-	9+	9+	4000
18	Malin Head	11.7	+12	SE'E	2	c	65	75	58	7	2	-	-	9	9	2500
	Aldergrove	12.1	+16	SSE	2	bc	66	65	53	7	8	-	1	7-8	7-8	2500
19	Birr Castle	11.1	+10	SSE	1	c	66	75	59	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	10.4	+14	S'E	3	c	64	75	57	8	5	-	-	9+	9+	4000
	Roches Point	11.0	+18	SSE	2	c	63	92	61	8	2	3	5	1	7-8	1500

OBSERVATIONS at 18h. G.M.T. 26th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 26th (39)	Weather 13h.–18h. 26th (40)	Weather 18h. 26th – 1h. 27th (41)	Weather 1h.–7h. 27th (42)
London (Kew)	16.5	+18	SSW	2	c/pt	69	85	63	8	7	7	3	4-6	9+	2500	1	•	prk/c	cprmoc	cbcw	bcmw
Croydon	16.4	+18	SW	1	c/pt	66	92	64	6	9	7	2	7-8	9+	2800	1	•	cprctlro	cptcproc	cmocfw	cmcmpro
S. Farnborough	16.5	+14	SSE	2	bc	59	85	53	8	4	7	8	9	10	2500	1	•	cmoirotc	c	cbccmow	cmobcfbmw
Boscombe Down	15.7	+12	S'W	2	c	68	75	63	8	8	6	1	4-6	4-6	3000	1	•	croidoc	cjpbc	bccbccmo	bcbbcmo
Thorney Island	15.7	+12	-	0	c	67	85	62	8	5	3	1	7-8	7-8	5700	0	•	cirorroc	cbcc	cbcc	cbcw
Lympne	17.3	+10	ENE	1	c	73	75	65	7	7	7	-	9	10	6000	0		bccpro	cor2om	cprocw	circ
Manston	16.3	+10	E'N	2	c/r	69	85	64	6	5	9	-	2-3	9+	5700	1	§' •	bcp	cyproc	cmo	cmowcmo
Shoeburyness	16.7	+8	SE'E	1	c	69	85	63	7	5	2•	-	4-6	10	2500	1	•	Rdroro	cprpr	bccmo	bcmo
Felixstowe	16.6	+6	E'S	3	c	69	85	63	7	5	7	-	4-6	9+	5700	1		protlroprmo	cprmcproc	c	cbcbcmocmo
Gorleston	16.8	+2	SW'S	3	c	68	85	60	7	5	7	-	2-3	7-8	2500	0	3	bcb	cbc	bccmo	bcmo
Mildenhall	16.7	+14	S	2	c/pt	71	75	63	8	5	8	3	4-6	9+	6000	1	•	ctlrocpro	ctlrcproc	cmoeirc	cmofgcmow
Cranwell	14.9	+10	SE'S	4	c	73	75	64	7	8	3	2	2-3	7-8	3000	0	•	cmobc	bcc	ccmobcm	bcFbcmo
Birmingham	15.7	+14	SW	2	bc	69	85	65	8	8	-	1	4-6	4-6	2500	1	•	cpiro	ocpro		cFFF
Upper Heyford	15.1	+2	S	2	c/pt	69	85	63	8	4	6	-	7-8	9+	2500	1	•	rrcpr	ccproc	cbcmo	cbccmo
Ross-on-Wye	15.1	+8	WSW	2	bc	67	85	61	8	5	8	1	2-3	4-6	2500	1	•	cpoc	ccbc	bcc	cmwom
Hartland Point	14.8	+16	NE	2	c/r	63	85	60	7	6	2	-	4-6	7-8	2000	0	3	bcc	cbccro	cbcc	cbcc
Bristol	16.0	+10	-	0	bc	67	85	62	8	4	3	-	1	4-6	2500	1	•	cmoidomo	cmocbc	bccroro	cmfmobc
Portland Bill	15.6	+6	E	2	o	62	92	60	7	5	-	-	10	10	2500	1	3	o	o	oc	orrc
Plymouth	15.3	+14	SE	1	b	64	85	58	8	2	4	4	Tr	2-3	2500	0	2	cmobcc	cbc	cmow	cmoirc
The Lizard	14.0	+6	-	0	bc	63	92	61	7	8	6	-	4-6	4-6	2500	0	3	bc	bcbc	bccw	cow
Scilly (St. Mary's)	13.5	+16	SE'E	3	c	64	92	62	7	8	3	-	2-3	7-8	1200	0	3	c	c	cw	cbccw
Guernsey																					
Pembroke	15.5	+14	SE	3	bc	61	85	59	7	5	6	1	2-3	4-6	3000	1	4	c	bc	bcw	bcw
Holyhead (Valley)	15.0	+10	ESE	2	b	67	75	59	7	1	-	-	1	1	3000	0	1	bccbc	bc	bmowfg	fgfm
Chester (Sealand)	14.6	+8	SSE	1	bc	69	75	59	7	3	-	1	7-8	7-8	3500	0	•	cmozo	cidozobc	bcmobcf	bcfcfw
Manchester	14.6	+6	SW	1	bc	70	75	62	6	2	3	-	4-6	7-8	3000	0	•	bbcc	czopro	bccmo	cmfw
Spurn Head	15.6	+2	ESE	3	c	63	85	60	7	2	3	2	2-3	7-8	2500	0	3	bc	c	c	bcm
Catterick	15.8	+10	SSE	2	zo	71	85	64	5	5	7	-	7-8	10	3000	1	•	cmoiroR	cirozmo	cprof	ofbcmo
Tynemouth	13.8	+6	SE	3	c	59	92	56	6	8	3	1	4-6	7-8	2200	1	3	omoc	cpbcc	coirlfc	cbcfcm
St. Abbs Head	14.8	+8	SE	1	zo	60	92	59	6	5	4	-	4-6	7-8	4500	0	3	ofc	cpmobcmc	cmobmbf	ofbf
Leuchars	15.2	+6	E	1	F+	59	97	59	2	-	-	-	10	10	<150	1	•	ofom	ofcofm	ofcffeofe	bfefcfm
Renfrew (Abbots I.)	15.0	+10	W	1	bc	67	75	59	7	2	7	-	2-3	4-6	4000	1	•	cbcmo	bczobc	bcmw	bbcmfc
Eskdalemuir	14.9	+10	-	0	c	66	85	60	8	5	7	-	4-6	7-8	2400	1	•	ofcdoro	rbcc	c	cofe
Point of Ayre	15.5	+10	-	0	bc	64	85	59	8	5	3	4	2-3	4-6	4500	0	0	cmo	bbcc	bcbw	FFw
Tiree	14.7	+4	SE'S	1	b	62	85	58	8	-	-	-	0	0	-		2	omoc	b	b	bbc
Stornoway	14.3	+8	-	0	c	64	85	59	8	5	7	-	7-8	9+	3000	1	1	dcb		ofodffeofe	bc
Dalwhinnie		+6	SSE	1	o	63	92	61	8	5	2	-	7-8	10	2500	1	•	obc	bcpro	bbcmfc	pro
Aberdeen	16.0	+6	SE	2	jf	62	92	60	5	5	4	-	7-8	7-8	200	1	2	ofbcmcm	cbczo	cmofefe	ofefebcm
Wick	14.0	0	SSE	3	zo	60	92	57	6	7	7	-	1	2-3	2500	0	•	pfcmobmo	bmo	bbcmo	bcifbjf
Sumburgh	14.9	0	SSE	3	F+	56	97	56	1	-	-	-	10	10	<150	1	3	cmoprof	ofmofof	oF	ofcF
Blacksod Point	13.3	+10	N	1	b	64	85	60	8	2	-	-	1	1	4000	1	1	c	b	bw	bcw
Malin Head	13.7	+10	-	0	c	62	85	58	7	2	-	-	4-6	4-6	2500	1	2	c	c	bc	bc
Aldergrove	15.2	+14	SSE	2	b	63	75	56	8	1	-	-	Tr	Tr	2500	1	•	czobc	cb	bfg	bfgmow
Birr Castle	13.2	+8	SSE	1	c	67	68	56	8	5	-	-	7-8	7-8	1500	1	•	bc	c		bc
Valentia Obsy.	12.7	+2	N'W	3	c	61	85	57	8	5	-	-	9+	9+	4000	1	2	r	c	r	bc
Roches Point	13.1	+12	SE'S	3	bc	63	92	61	8	2	4	1	1	4-6	1500	1	3	d	bc	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 27th August

DISTRICTS.

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

Light variable wind, mainly Easterly in South. Fair; local thundery showers or thunderstorms, mainly South of Humber-Mersey; moderate to fair visibility by day, but mist or fog developing in many areas tonight; rather warm in the North, very warm and close in the South

13A W. Scotland ...
13B N.W. Scotland
14 Mid Scotland
15 N.E. Scotland

Light Southwest wind in South, moderate to fresh in North; mainly fair, becoming cloudy in extreme North with perhaps slight rain or drizzle later. North-sea fog in area 16 and locally in East Scotland at first; mainly fair visibility

16 Orkneys and Shetlands: otherwise; temperature rather above average.

17 N. W. Ireland
18 N. E. Ireland
19 S. E. Ireland
20 S. W. Ireland

As 1-12

GENERAL INFERENCE

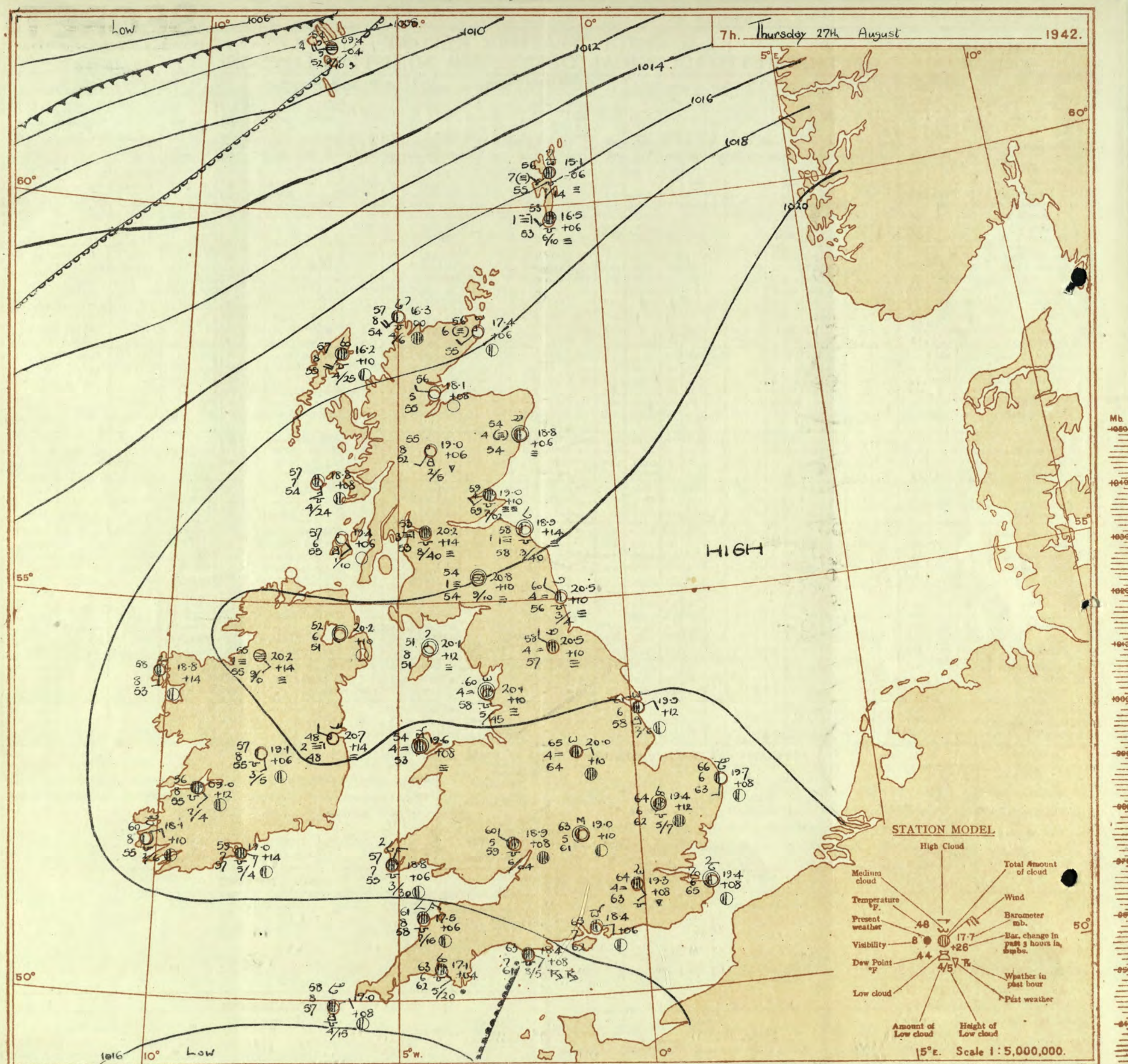
Pressure is high from the Baltic to Ireland and low over the Bay of Biscay; weather will be mainly fair but local thunderstorms are likely, mainly in Southern half of Great Britain where it will be very warm and close.

FURTHER OUTLOOK

Little change.

Forecasts issued at 10.30.

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Thursday 27th August

1942.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Thursday 27th August 1942 — No. 29198

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	62	*	*	*	*	*	*	*	*	*
	Croydon ...	290	18·5	+10	S'W	1	m	60	97	60	4	5	3	9	2-3	9	6000
	S. Farnborough	226	18·2	+6	-	0	fg	61	97	60	5	5	3	-	2-3	9+	4000
	Boscombe Down	417	18·1	+8	E	2	c	63	92	61	6	5	3	-	7-8	9	3000
	Thorney Island	10	17·8	+10	E'N	1	c	63	92	61	7	5	-	7	7-8	10	5700
	Lympne ..	283	18·9	+6	SSE	1	c	68	85	62	6	-	3	-	0	9	-
	Manston ...	154	18·5	+6	SE'S	1	Z_o	69	85	63	6	-	3	-	0	9	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	18·5	+12	SE	1	c	69	85	64	7	-	7	-	0	9+	-
	Gorleston ...	5	18·5	+10	S'E	2	Z_o	66	85	62	6	-	7	-	0	7-8	-
	Mildenhall ...	15	18·5	+4	NE	2	Z_o	65	92	63	5	-	3	-	0	9	-
	Cranwell ...	203	18·6	+8	-	0	m	60	97	60	4	-	3	2	0	7-8	-
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18·3	+4	NE	2	c	63	92	60	7	-	7	-	0	10	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·4	+10	ENE	2	c	61	85	57	7	-	5	-	0	9	-
	Bristol ...	209	18·3	+4	-	0	Z_o	60	97	60	5	5	7	-	9	10	4000
	Portland Bill ...	32	17·5	+2	E	2	c	60	92	56	8	5	4	-	7-8	7-8	4000
	Plymouth ...	82	17·1	+6	E	1	Z_o	60	92	58	6	5	7	-	4-6	9+	8000
	The Lizard ...	240	16·5	+8	NNE	2	c	59	97	59	7	8	3	-	2-3	7-8	2500
	Scilly (St.Mary's)	163	16·1	+8	SE	3	c	60	97	58	7	5	-	2	4-6	7-8	1500
	Guernsey ...	175															
6	Pembroke ...	142	18·0	+8	NE	3	bc	58	92	55	7	5	-	-	2-3	2-3	3000
7	Holyhead (Valley)	32	18·2	+8	NE	1	c	54	97	54	6	-	-	6	0	7-8	-
	Chester (Sealand)	16	19·5	+24	-	0	bcf-	52	97	53	2	-	3	-	0	4-6	-
8	Manchester ...	235	18·6	+10	ESE	2	jf	60	92	58	5	5	3	-	2-3	7-8	4000
10	Spurn Head ...	29	19·1	+4	SE	2	c	62	92	59	7	2	4	3	1	7-8	2500
	Catterick ...	175	18·4	+14	-	0	cf	61	97	61	0	5	-	-	7-8	10	2500
	Tynemouth ...	108	18·6	+8	NW	1	cf	62	97	61	2	5	1	-	7-8	10	1500
11	St. Abbs Head	280	17·0	+6	WNW	3	f+	55	97	55	0	-	-	-	0	0	-
	Leuchars ...	36	17·7	+4	SE	1	of+	58	97	58	2	5	-	-	10	10	4150
12	Renfrew (Abbots L)	19	18·0	+6	WSW	1	m	52	97	53	4	-	3	-	0	7-8	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	18·3	+6	-	0	b	51	97	50	7	+	*	4	0	*	-
13A	Tiree	22	17·5	+10	-	0	Z_o	56	97	56	6	-	-	-	0	0	-
13B	Stornoway ...	80	15·7	-6	-	0	b	55	92	54	8	1	4	-	Tr	1	3500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	17·8	+6	-	0	cf-	57	97	57	2	5	-	-	7-8	7-8	600
	Wick ...	114	16·7	+10	WNW	2	Z_o	55	92	53	5	-	3	-	0	4-6	-
16	Sumburgh ..	19	16·1	-6	SW	2	F	54	97	54	1	-	-	-	10	10	4150
17	Blacksod Point	18	16·7	+10	-	0	b	60	85	54	8	-	-	-	0	0	-
18	Malin Head ...	84	16·9	+6	S'W	1	b	58	85	54	8	1	-	-	1	1	2500
	Aldergrove ...	268	18·7	+10	-	0	fg	50	97	49	6	5	-	-	Tr	Tr	3500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16·5	+10	-	0	b	54	97	53	8	1	-	-	1	1	2500
	Roches Point	22	16·5	+10	SE	3	c	60	97	59	8	5	-	-	7-8	7-8	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force. 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	18·9	+8	ENE	1	m	64	97	63	4	6	-	-	4-6	4-6	2500	1	*
	Croydon ...	19·3	+8	SE	1	m	64	97	63	4	5	3	9	2-3	7-8	4500	1	*
	S. Farnborough	19·0	+8	-	0	m	61	97	61	4	-	7	1	0	1	-	1	*
	Boscombe Down	19·0	+8	E'N	2	Z_o	63	92	61	6	8	8	6	4-6	7-8	4500	1	*
	Thorney Island	18·4	+6	E'N	2	bc	65	92	62	7	-	3	8	0	4-6	-	1	*
	Lympne ..	20·1	+10	-	0	c	69	85	64	8	-	7	-	0	7-8	-	0	1
	Manston ...	19·4	+8	-	0	Z_o	70	85	63	6	-	4	8	0	4-6	-	0	*
2	Shoeburyness...	19·4	+8	-	0	bc	66	92	64	6	-	3	1	0	4-6	-	1	*
	Felixstowe ...	19·4	+10	NE	1	Z_o	67	92	65	6	5	7	-	1	9	5700	1	1
	Gorleston ...	19·7	+8	SSW	1	Z_o	66	85	63	6	-	4	2	0	4-6	-	0	2
	Mildenhall ...	19·4	+12	-	0	Z_o	64	92	62	6	5	7	-	7-8	9+	5700	1	*
	Cranwell ...	19·6	+10	-	0	Z_o	62	97	62	5	5	3	-	2-3	7-8	6000	0	*
3	Birmingham ...	19·7	+10	-	0	F-	62	97	61	1	-	-	-	10	10	4150	1	*
	Upper Heyford	19·0	+10	-	0	Z_o	63	92	61	5	-	3	1	0	1	-	1	*
4	Ross-on-Wye	18·9	+8	W'N	1	Z_o	60	97	59	3	5	-	-	9	9	400	1	*
5	Hartland Point	17·5	+6	NE	3	c	61	85	58	8	5	1	-	9+	10	1600	1	3
	Bristol ...	19·4	+10	-	0	c/f	62	97	62	5	-	3	3	0	7-8	-	1	*
	Portland Bill ...	18·4	+8	E	2	f/f+	63	92	61	7	5	-	-	10	10	2500	1	3
	Plymouth ...	17·1	+4	SE	2	Z_o	63	97	62	6	5	7	-	7-8	9+	2000	0	2
	The Lizard ...	16·3	+4	NE	2	o	59	97	59	8	5	-	-	10	10	1000	1	3
	Scilly (St.Mary's)	17·0	+8	ENE	2	c	58	97	57	8	8	4	2	4-6	7-8	1500	0	2
	Guernsey ...																	
6	Pembroke ...	18·8	+6	NNE	3	bc	57	92	55	7	5	4	6	2-3	7-8	3000	1	2
7	Holyhead (Valley)	19·6	+8	-	0	m	54	92	53	4	-	8	8	0	7-8	-	0	1
	Chester (Sealand)	19·9	+12	-	0	cf-	59	92	58	3	5	-	-	10	10	7200	0	*
8	Manchester ...	19·7	+6	NW'N	1	cf+	60	97	60	2	-	3	-	0	9	-	1	*
10	Spurn Head ...	19·9	+12	NE'E	2	bc	61	92	58	6	2	3	-	1	7-8	4000	0	2
	Catterick ...	20·5	+10	WNW	1	m	58	97	57	4	-	3	2	0	7-8	-	1	*
	Tynemouth ...	20·5	+10	WNW	2	m	60	85	56	4	5	-	1	2-3	4-6	1500	1	2
11	St. Abbs Head	18·9	+11	-	0	bcf+	58	97	58	1	5	4	-	2-3	2-3	4000	1	2
	Leuchars ...	19·0	+10	WSW	2	c/f	59	97	59	4	5	-	-	9+	9+	200	1	*
12	Renfrew (Abbots L)	20·2	+14	-	0	of-	53	97	53	3	5	-	-	10	10	4000	1	*
	Eskdalemuir ...	20·8	+10	-	0	F	54	97	54	1	-	-	-	10	10	-	1	*
	Point of Ayre...	20·1	+12	-	0	b	51	97	51	8	-	-	4	0	Tr	-	0	
13A	Tiree	18·8	+8	SSE	3	bc	57	92	54	7	5	-	-	1-6	1-6	2400	0	3
13B	Stornoway ...	16·2	+10	SSW	4	c	57	92	55	8	5	7	-	4-6	9+	2500	1	2
15	Dalwhinnie ...		+6	SSW	1	b	55	92	52	8	3	-	-	1	1	2500	1	*
	Aberdeen † ...	18·8	+6	-	0	jf	54	97	54	4	-	-	2	9	4-6	-	1	1
	Wick ...	17·4	+6	SW	1	jf	56	97	53	6	-	3	-	0	Tr	-	0	*
16	Sumburgh ..	16·5	+6	SW	3	cF-	53	97	53	1	5	-	-	9	9	100	1	2
17	Blacksod Point	18·8	+14	S	1	bc	58	85	53	8	-	-	5	0	4-6	-	0	1
18	Malin Head ...	18·2	+10	SSW	1	b	58	92	56	8	4	-	-	1	1	2500	1	1
	Aldergrove ...	20·2	+10	-	0	Z_o	52	97	51	6	-	-	-	0	0	-	1	*
19	Birr Castle ...	19·1	+6	SSE	1	bc	57	92	55	8	5	-	-	2-3	2-3	2500	1	*
20	Valentia Obsy.	18·1	+10	E'N	3	b	60	85	55	8	5	4	1	1	2-3	4000	1	2
	Roches Point	19·0	+11	E	3	c	59	97	58	7	5	-	-	7-8	7-8	1500	1	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 26th Hrs. (38)
1	London (Kew)	74	60	55	2	Tr	2·4
	Croydon ...	75	60	58	3	0·1	2·8
	S. Farnborough	74	60	55	0·2	Tr	4·8
	Boscombe Down	72	59	57	0·2	Tr	1·9
	Thorney Island	72	61	56	Tr	-	*
	Lympne ..	79	63		0·3	0·4	3·6
	Manston ...	80	63	59	Tr	-	6·6
2	Shoeburyness...	71	62	59	4	-	2·1
	Felixstowe ...	71	66	58	5	-	6·0
	Gorleston ...	69	65	52	Tr	-	5·1
	Mildenhall ...	77	62	-	0·3	Tr	0·0
	Cranwell ...	77	58	50	Tr	-	6·1
3	Birmingham ...	73	62	53	0·2	Tr	1·8
	Upper Heyford	74	61	55	0·3	-	*
4	Ross-on-Wye	69	58	53	Tr	-	1·8
5	Hartland Point	67	59	52	Tr	-	4·1
	Bristol ...	68	58	53	Tr	0·2	1·5
	Portland Bill ...	62	57	*	0·3	2	*
	Plymouth ...	68	57	50	-	Tr	9·0
	The Lizard ...	66	58	*	-	-	6·7
	Scilly (St.Mary's)	68	56	*	Tr	-	7·9
	Guernsey ...						
6	Pembroke ...	65	54	*	-	-	5·5
7	Holyhead (Valley)	70	51	45	-	-	*
	Chester (Sealand)	71	54	47	Tr	-	3·5
8	Manchester ...	70	57	49	Tr	-	*
10	Spurn Head ...	67	58	*	Tr	-	5·8
	Catterick ...	74	55	52	2	1	1·3
	Tynemouth ...	61	59		0·5	2	*
11	St. Abbs Head	63	54	*	Tr	-	*
	Leuchars ...	63	57	57	-	Tr	0·0
12	Renfrew (Abbots L)	73	47	43	3	-	5·6
	Eskdalemuir ...	68	51	44	0·3	Tr	2·8
	Point of Ayre...	68	48	*	-	-	10·6
13A	Tiree		53	*		-	5·6
13B	Stornoway ...	66	55	*	-	-	10·2
15	Dalwhinnie ...						
	Aberdeen † ...	70	50	40	0·2	0·3	3·0
	Wick ...	67	53	49	-	Tr	3·2
16	Sumburgh ..	63	55	45	Tr	-	*
		58	52	53	Tr	Tr	10·0
17	Blacksod Point	66	54	*	-	Tr	*
18	Malin Head ...	68	51		-	-	5·4
	Aldergrove ...	68	47	37	-	-	8·0
19	Birr Castle ...	70	53	48	0·3	6	7·3
20	Valentia Obsy.	66	54	46	0·1	Tr	0·5
	Roches Point	65	59	*	0·2	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 26th August — 18h. G.M.T. — 01h. G.M.T. 27th August — 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
109	5-	05513	15328	5-	05563	20143	00	05590	24300	5-	05665	19205
115										54	01864	20424
203				51	05745	16328						
206	53	08464	10144	53	04861	10213	50	05661	00011	00	05690	24100
210	5-	49504	28248	44	05763	08114	00	05690	24100	03	05790	00001
220	·			50	01754	14144				03	05790	14104
230				7-	01961	18212	05	05690	10102	50	05652	00002
245	--	48309	07249	--	48209	08249	--	48208	26159	--	44209	14149
260	8-	08446	02128				--	46009	00048	00	05690	24142
278	8-	01755	14325	87	00851	20212	50	05661	00001	00	05690	10101
279	57	02753	00025	57	02664	22227	53	18224	18058	00	* **	00043
285	27	01744	22425							13	01741	32314
288	57	02866	14367	3-	82748	12218	--	46103	00048	50	43161	00041
575	23	08854	16218	23	01854	76215	07	02790	00007	--	46109	12149
301	03	05690	26225	5-	05866	32226	03	48390	08143	53	08465	00047
321	83	25745	14385	9-	25648	00098	43	47263	00097	--	48109	31149
299	50	01764	18314	54	05664	12315				54	02764	00015
292	80	05658	13265	37	93554	00098	--	46109	00089	--	46109	00049
310										--	01425	04315
614	23	05554	14165	9-	25457	26187	03	47390	06146	03	08490	06125

13h. G.M.T. 26th August — 18h. G.M.T. — 01h. G.M.T. 27th August — 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
333	84	01854	16215	03	01890	28202	00	02790	26215	57	02764	28216
334										--	02655	10116
340	57	10755	16228	80	01863	20113	07	05690	00015	5-	05568	00028
136	29	25851	12314	29	25861	14287	53	25643	08186	57	05664	03117
336	57	02755	12328							50	05654	16215
350	89	17655	12425	84	02755	14426	03	05690	00028	07	05690	00025
368	87	02654	12326	84	01753	08213	5-	05677	06227	57	05553	04228
379	23	02845	16267	83	02953	16385	53	01783	12115	04	05690	04142
390	87	28664	14297	97	83565	16187	53	45372	00096	57	08474	00046
382	86	10857	14427	86	25855	18388	54	05664	00025	08	42689	00043
438	5-	93638	12298	80	63755	08285	55	02764	18116	55	02764	18116
430	5-	02757	10367	58	02764	08125	03	05690	00026	57	01773	06114
409	83	02854	14427	86	01853	13313	03	02790	06145	5-	02867	05227

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 27th August.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather. Morning	Weather. Afternoon	Weather. Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	prklc	cpmoc	dpmw	Kew 24 hours ended 9h.
Croydon ...	cprctlr	cprcpkc	dtwmpr	Max. *
Greenwich ...	cir	ir ro	bcarbc	0·5 Time 27th
Camden Square	c	c	*	Min. Time
Kensington ...	bcep	cp	*	<0·1 14-18h 26th
Hampstead ...	bcptl	bc	bc	

Stations.	Temperature. Day Max °F	Temperature. Night Min °F	Temperature. Min on grass °F	Rainfall. Day mm	Rainfall. Night mm	Sunshine to sunset hrs (Yesterday)	Humidity. 15h % (Yesterday)	Humidity. 9h % (To-day)
Kew	74	60	55	2	Tr	2·4	*	*
Croydon ...	75	(60)	58	3	0·1	2·8	*	*
Greenwich ...	73	61	53	4	0·3	2·0	79	79
Westminster ...	74	62	60	4			81	90
Regents Park ...	75	62	54	3	0·2		83	85
Camden Square	75	61	57	3	-	*	*	91
Kensington ...	75	61	55	3	0·1		81	85
Hampstead ...	73	63	57	0·2	-		*	81

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

SECRET

Friday 28th August 1942

No. 29429

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	°F. Dew Point. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18·3	-10	E'S	2	b	81	55	65	7	-	4	-	0	1	-
	Croydon ...	18·9	-10	ENE	2	bc	83	55	65	8	-	-	1	0	4-6	-
	S. Farnborough	18·2	-12	E	2	bc	84	55	67	8	1	7	1	Tr	4-6	3500
	Boscombe Down	18·2	-6	E'S	2	bc	81	65	65	8	1	3	2	Tr	4-6	3000
	Thorney Island	18·6	-2	ESE	3	b	81	65	66	8	1	7	1	1	1	5700
	Lympne ...	19·2	-10	E	2	b	84	45	60	8	-	8	1	0	1	-
	Manston ...	19·1	-14	E'N	1	b	81	65	68	8	-	8	1	0	1	-
2	Shoeburyness ...	19·7	-12	E	1	b	78	65	64	6	-	7	2	0	Tr	-
	Felixstowe ...	19·7	-2	E	2	zo	75	75	67	6	-	4	-	0	Tr	-
	Gorleston ...	20·0	0	SSE	1	zo	68	85	62	6	-	-	-	0	0	-
	Mildenhall ...	19·5	-2	-	0	bc	83	55	65	8	-	8	-	0	2-3	-
	Cranwell ...	19·3	-6	NE	1	b	81	55	65	7	1	3	-	Tr	Tr	2500
3	Birmingham ...	19·0	-4	SSE	2	bc	80	65	67	8	1	-	-	2-3	2-3	4000
	Upper Heyford	18·4	-10	SSE	1	b	82	55	65	7	1	-	1	Tr	1	4000
4	Ross-on-Wye	18·0	-6	E	2	b	77	65	66	7	1	-	1	Tr	1	3500
5	Hartland Point	16·2	-12	NE	4	bc	67	85	64	7	1	-	-	4-6	4-6	2000
	Bristol ...	18·3	-10	SE	2	bc	80	65	66	8	1	8	2	Tr	2-3	4000
	Portland Bill ...	17·4	-12	E	3	c	64	85	61	7	2	-	-	7-8	7-8	4000
	Plymouth ...	16·3	-10	E	3	bc	74	75	65	8	1	8	6	Tr	7-8	2000
	The Lizard ...	15·4	-4	NE	4	c	65	97	65	7	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	15·8	-10	NE	3	c	64	85	61	7	8	7	-	7-8	9	1200
	Guernsey ...															
6	Pembroke ...	17·8	+10	NE	2	c	70	85	63	6	8	6	-	4-6	9+	2000
7	Holyhead (Valley)	19·4	-8	NE	2	zo	73	65	60	6	-	4	8	0	7-8	-
	Chester (Sealand)	19·0	-8	NW'W	1	zo	73	75	64	6	2	3	1	1	2-3	3500
8	Manchester ...	19·0	-10	SE	1	bc	77	65	65	6	1	3	1	2-3	4-6	2500
10	Spurn Head ...	20·3	0	NE'N	3	zo	72	75	62	6	4	-	-	2-3	2-3	4000
	Catterick ...	19·9	-10	E	1	zo	79	65	65	6	2	-	2	2-3	7-8	3500
	Tynemouth ...	21·5	+2	SE	2	zo	69	75	59	5	-	3	-	0	2-3	-
11	St. Abbs Head	19·4	0	E	1	zo	65	75	58	5	4	4	-	2-3	4-6	5000
	Leuchars ...	19·4	-2	WSW	4	bc	71	65	58	6	1	-	6	2-3	4-6	3000
12	Renfrew (Abbotsl.)	19·7	-6	WSW	3	zo	71	55	58	8	2	7	-	2-3	2-3	1800
	Eskdalemuir ...	19·9	0	SSW	2	bc	69	55	54	8	-	-	1	0	2-3	-
	Point of Ayre ...	20·5	0	ENE	2	bc	65	75	58	8	1	-	4	Tr	4-6	3000
13A	Tiree	18·7	0	S'W	4	bc	64	85	59	7	7	-	-	4-6	4-6	2500
13B	Stornoway ...	16·5	-2	SSW	5	c	60	85	56	8	5	7	9	4-6	9+	3500
15	Dalwhinnie ...	18·0	+4	SSW	2	bc	70	55	55	8	2	-	-	4-6	4-6	2500
	Aberdeen ...	18·1	-6	SSE	3	bc	72	55	57	6	1	-	4	Tr	2-3	3500
	Wick ...	17·1	-4	S'W	3	bc	71	65	56	8	5	-	-	2-3	2-3	3500
16	Sumburgh ...	16·6	-2	WSW	2	b	59	85	55	7	2	-	5	1	1	2500
17	Blacksod Point	19·9	+6	S'W	2	c	65	85	59	8	8	-	4	2-3	7-8	2500
18	Malin Head ...	18·8	+2	SSW	2	bc	68	75	60	8	-	-	2	0	2-3	-
	Aldergrove ...	19·8	-6	W	1	bc	69	75	59	7	5	3	2	2-3	2-3	2500
19	Birr Castle ...	19·1	-2	SSE	2	bc	71	65	59	8	4	-	-	4-6	4-6	2500
20	Valentia Obsy.	18·7	-2	SSW	2	bc	70	65	58	9	2	-	3	4-6	4-6	4000
	Roches Point	18·8	-6	E'S	3	bc	67	75	59	8	1	3	5	1	4-6	4000

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

District	Stations. (For heights see p. 4.)	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)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	17·3	-4	E'N	3	b	81	45	59	8	-	4	-	0	1	-	1	*
	Croydon ...	17·7	0	E	3	b	78	55	63	7	-	4	-	0	Tr	-	1	*
	S. Farnborough	16·8	-10	E'N	2	bc	82	55	53	8	-	7	3	Tr	2-3	3500	0	*
	Boscombe Down	16·8	-10	SE'S	1	b	79	65	68	8	-	4	-	0	1	-	0	*
	Thorney Island	16·4	-10	SE	2	b	77	65	63	8	-	4	-	0	Tr	-	0	*
	Lympne ...	18·1	-6	E	2	b	78	65	64	7	-	-	-	0	0	-	-	*
	Manston ...	17·5	-10	ENE	3	zo	74	75	66	6	-	-	-	0	0	-	-	3
2	Shoeburyness ...	18·4	-8	ENE	2	b	72	75	65	7	-	-	-	0	0	-	0	*
	Felixstowe ...	18·5	-6	NE	2	zo	71	85	64	6	-	-	-	0	0	-	0	1
	Gorleston ...	19·1	0	-	0	b	69	85	64	6	-	-	-	0	0	-	0	1
	Mildenhall ...	17·8	-8	SE'E	2	b	83	55	67	8	1	4	1	Tr	1	5000	0	*
	Cranwell ...	18·3	+2	E'S	1	b	80	75	69	7	-	4	1	0	1	-	0	*
3	Birmingham ...	17·7	-6	ESE	2	bc	73	65	66	8	-	-	1	0	2-3	-	1	*
	Upper Heyford	17·3	-2	SE	1	zo	80	65	66	6	1	-	4	Tr	Tr	4000	0	*
4	Ross-on-Wye	16·6	-6	SE	2	b	80	65	66	8	1	-	1	Tr	Tr	4000	0	*
5	Hartland Point	15·7	0	NE	1	bc	73	75	63	8	-	4	2	Tr	4-6	-	0	4
	Bristol ...	17·5	-2	SE	1	b	80	65	65	8	-	-	1	0	Tr	-	1	*
	Portland Bill ...	16·1	-4	E	3	c	65	85	62	8	2	4	-	4-6	7-8	4000	1	3
	Plymouth ...	16·1	-2	E	3	c	73	75	63	8	-	7	6	0	9	-	0	2
	The Lizard ...	15·4	-4	NE'E	2	c	64	92	62	7	8	6	-	7-8	7-8	2500	0	3
	Scilly (St. Mary's)	15·3	-2	NE'E	2	c	64	85	61	6	8	5	8	4-6	7-8	1600	0	2
	Guernsey ...																	
6	Pembroke ...	16·9	-4	N'E	2	c	72	85	67	7	8	6	-	4-6	7-8	2000	1	2
7	Holyhead (Valley)	18·4	-4	NE	2	zo	67	85	61	6	-	7	-	0	9+	-	0	1
	Chester (Sealand)	18·7	+2	N'N	2	zo	70	75	63	6	-	6	2	0	4-6	-	0	*
8	Manchester ...	17·7	-2	-	0	zo	78	65	67	6	4	3	2	Tr	4-6	4000	0	*
10	Spurn Head ...	20·0	+4	E'S	2	zo	63	85	60	6	-	3	-	0	2-3	-	0	2
	Catterick ...	19·0	-4	ENE	1	bc	73	85	67	5	-	-	1	0	2-3	-	0	*
	Tynemouth ...	20·4	-4	SSE	2	zo	65	85	58	5	-	3	-	0	2-3	-	1	2
11	St. Abbs Head	18·9	-4	SE	2	c	63	85	58	7	1	4	-	4-6	7-8	5000	0	1
	Leuchars ...	17·9	-10	WSW	2	bc	72	65	60	7	-	-	4	0	4-6	-	0	*
12	Renfrew (Abbotsl.)	18·9	-4	SW	2	bc	71	55	54	8	2	-	8	0	4-6	3500	0	*
	Eskdalemuir ...	18·4	-8	-	0	c	68	65	57	8	-	7	2	0	9	-	1	*
	Point of Ayre ...	19·1	-4	N	1	bc	65	75	57	8	-	4	4	0	2-3	-	0	4
13A	Tiree	18·3	0	SW	3	o	57	97	55	6	5	-	-	10	10	800	0	3
13B	Stornoway ...	15·2	-4	SW	4	jf	60	85	56	8	5	7	-	4-6	9+	3500	0	3
15	Dalwhinnie ...	18·3	-4	SW	2	c	63	75	57	8	8	-	6	2-3	7-8	2500	0	*
	Aberdeen ...	17·1	-4	S'W	2	b	72	65	59	7	4	-	4	Tr	Tr	4000	0	*
	Wick ...	16·8	-8	SSW	1	c	63	75	56	9	5	-	9	1	9	4000	0	*
16	Sumburgh ...	15·8	-6	SW	4	bc	58	85	54	8	5	-	-	4-6	4-6	3000	0	*
17	Blacksod Point	19·5	-2	SW'W	2	c	61	85	56	8	8	-	6	4-6	9	2500	0	2
18	Malin Head ...	19·0	+2	N	1	bc	60	92	58	8	8	-	-	7-8	7-8	2500	1	1
	Aldergrove ...	18·6	-8	-	0	bc	70	65	58	8	2	-	-	2-3	2-3	2500	1	*
19	Birr Castle ...	18·5	-2	SSE	1	c	71	65	59	8	4	-	-	4-6	7-8	2500	1	*
20	Valentia Obsy.	18·5	-2	N	2	bc	64	75	56	9	5	-	-	4-6	4-6	4000	1	3
	Roches Point	17·8	-6	E'S	3	c	65	85	61	8	5	-	-	9	9	2500	1	3

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 27th. (39)	Weather. 13h.—18h. 27th. (40)	Weather. 18h. 27th to 1h. 28th (41)	Weather. 1h.–7h. 28th (42)
1	London (Kew)	bcm wb	bzo by	bybm w	bfm w
	Croydon ...	bcm bby	bcb	bybm o w	bm o bm w
	S. Farnborough	bwm o bby	bcbbcy	bcy bm o w	bm o wFe
	Boscombe Down	bcb	bcyb	b, bm o	bm o
	Thorney Island	bcw zo b	b	bb m o b	bw
	Lympne ...	cbcby	by	bz o y	bz o y m o b
	Manston ...	bcm o b	bzo	bz o bm o	bm o
2	Shoeburyness ...	bcm o	bcm o	bm o	bm o w
	Felixstowe ...	cm o bcm o bzo	bzo	bm o bbm o	bm o cm o bm o
	Gorleston ...	bcb	bzo	bm o	bm o
	Mildenhall ...	bcz o bbcy	bcyby	bybm o	om o f gbm o w
	Cranwell ...	bcm o bzo	b	bcb m o w	zo
3	Birmingham ...	Fb	bbc	bcb	bm w
	Upper Heyford	bzo b	bzo	bz o b	bm o w
4	Ross-on-Wye	bccp o b	bbcyb	bbw	bmf WF
5	Hartland Point	cbc	bc	clc	bcb
	Bristol ...	ctr bcb	bby	bbcbm	bm o w
	Portland Bill ...	c	bcc	bcc	c
	Plymouth ...	cm o cbc	bcc	bcw	cm o bcfg
	The Lizard ...	rr m c	cbccz	cbc	bc
	Scilly (St. Mary's)	c	c	cbcc	cbc
	Guernsey ...				
6	Pembroke ...	cm o	bcm o bc	cbcm o	bm o
7	Holyhead (Valley)	bcm fm o	bz o y	cm o bfg l	bm o
	Chester (Sealand)	ctr bbcz	bcz o y	bctlr o m o	bm o bF
8	Manchester ...	bcz o	cbb zo	bclm o	bcbtm w
10	Spurn Head ...	bcm o	bcz o	bcz o o	
	Catterick ...	cm o zo	bcz o bm o	bm bf	bf bF
	Tynemouth ...	bcm o	bcm o	bcm o	cff p o t
11	St. Abbs Head	bm bcm o	bccm o	cbm o	bcbm o
	Leuchars ...	cbcmb	bcm o	bcbm o w	m w fgbcm o
12	Renfrew (Abbotsl.)	bfm o bcy	bcy	bcbm o t	bm o wbcfb
	Eskdalemuir ...	cf bby	bcyc	cbcb	bbc
	Point of Ayre ...	bbc	bc	cbcbc	bcbcb
13A	Tiree	bc	bcg	cm o bc	cbcc
13B	Stornoway ...	c	cgjf	c	cPR
15	Dalwhinnie ...	bb cy	bcc		cbc
	Aberdeen ...	bcm zbz		bbwm o	bwm o
	Wick ...	bjf	bgjf c jf	bgjf bc	bcbbc
16	Sumburgh ...	b	bc	bcc	gbc r o r o
17	Blacksod Point	c	c	f	f
18	Malin Head ...	b	bc	bc	c
	Aldergrove ...	bm o	bcb	bw	bf
19	Birr Castle ...	bc	c		c
20	Valentia Obsy.	bc	bc	b	bc
	Roches Point	bc	bc	c	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 28th August.

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light Easterly winds, fine but risk of local thunderstorms, local mist or fog patches tonight; very warm.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ...	Light East to Northeast winds; fine but local thunderstorms later today; mist or fog inland tonight; very warm.
10 N.E. England 11 S.E. Scotland	Light variable wind, mainly fine but local thunder early; fog early again tonight; warm.
12 S.W. Scotland & Isle of Man	As 1-3
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate to fresh West to Southwest winds, but light to moderate in South at first; rain in North spreading slowly South today; showery in North later; warm in South; average temperature in North.
16 Orkneys and Shetlands	As 13A - 15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light Northerly winds, mainly fine and warm, but risk of local thunderstorms later today; local fog tonight; warm.

GENERAL INFERENCE

Pressure is high to the East and westSouthwest of the British Isles, and low over the Bay of Biscay. It will be fine and very warm in most districts, but there is a risk of local thunderstorms, except in North Scotland, and particularly in West England later. Some rain in North Scotland will spread slowly Southwards.

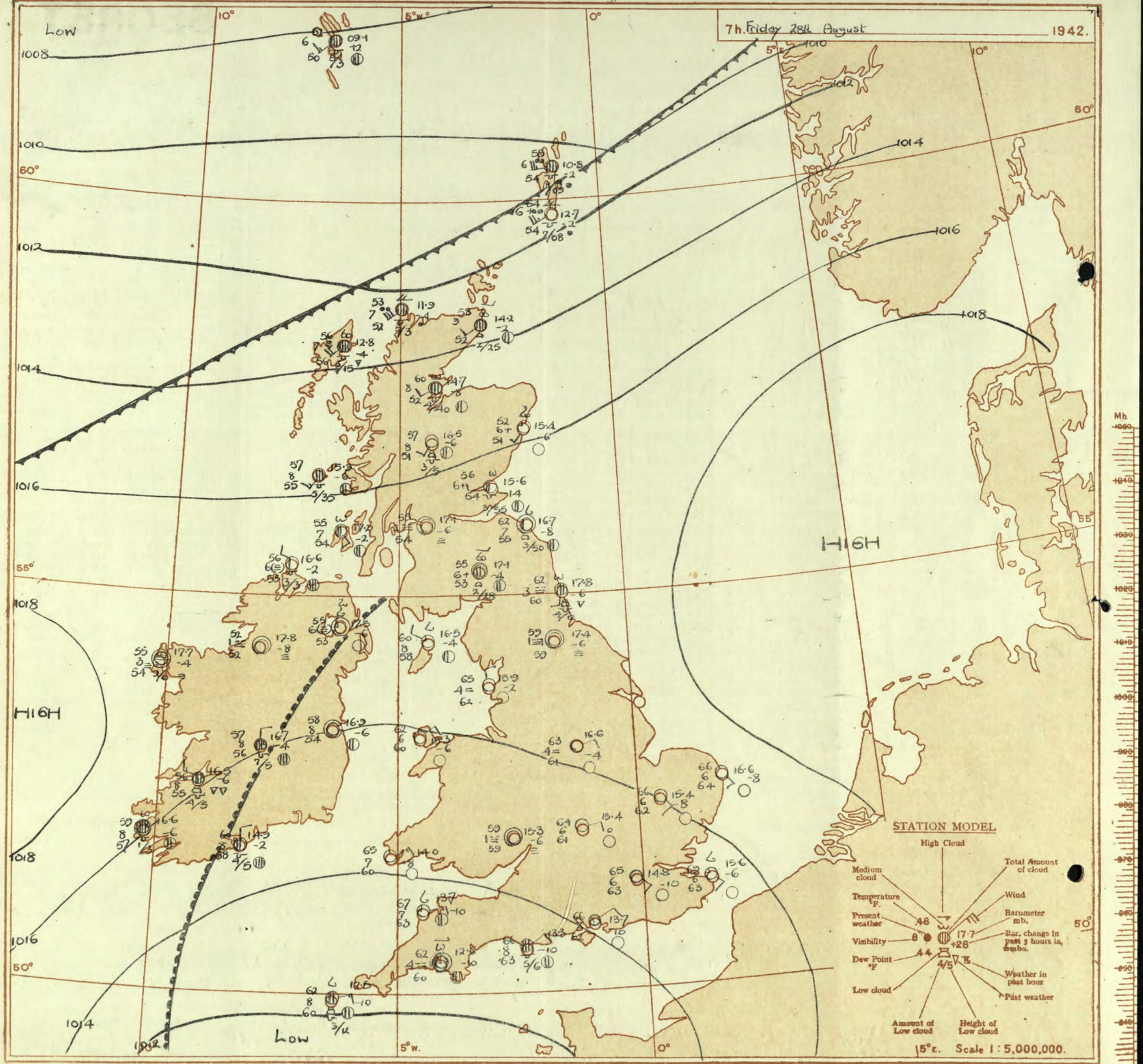
FURTHER OUTLOOK

Unsettled in the North; thundery in the South.

Forecasts issued at 10·30

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

7h. Friday 28th August 1942.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Friday 28th August

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

All times are G.M.T. Add one hour to get summer time.

BRITISH SECTION — THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Friday 28th August 1942 — No. 29492.

OBSERVATIONS at 1 hr. G.M.T. 28th August

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	67	*	*	*	*	*	*	*	*	*
	Croydon ...	290	17·1	-6	S'W	2	Z_0	61	97	60	5	-	-	-	0	0	-
	S. Farnborough	226	16·7	-2	-	0	fg	63	85	60	5	-	-	-	0	0	-
	Boscombe Down	417	16·9	0	ENE	2	Z_0	65	85	61	6	-	4	-	0	Tr	-
	Thorney Island	10	16·0	-2	E'N	1	b	63	92	61	7	-	-	1	0	Tr	-
	Lympne ...	283	17·6	-10	-	0	Z_0	75	55	48	6	-	-	-	0	0	-
	Manston ...	154	17·3	-6	ESE	1	Z_0	71	85	67	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	17·6	-8	NE	2	Z_0	67	85	64	6	-	-	-	0	0	-
	Gorleston ...	5	18·8	0	SSE	2	Z_0	66	85	63	6	-	-	-	0	0	-
	Mildenhall ...	15	17·4	-8	ESE	2	Z_0	65	85	61	6	-	-	-	0	0	-
	Cranwell ...	203	18·0	-6	E	1	Z_0	62	97	61	5	-	-	-	0	0	-
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·8	-6	ENE	2	b	66	85	60	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·5	-4	NE	3	bc	66	85	60	8	4	4	-	4-6	4-6	4000
	Bristol ...	209	16·6	-10	-	0	Z_0	64	97	63	6	-	4	-	0	Tr	-
	Portland Bill ...	32	15·4	-8	E	2	c	64	92	62	8	5	-	-	7-8	7-8	4000
	Plymouth ...	82	15·4	-6	-	0	c	62	92	60	7	-	4	7	0	9	-
	The Lizard ...	240	15·4	-6	NE'E	3	bc	63	85	60	8	4	-	-	2-3	2-3	2500
	Scilly (St.Mary's)	163	14·8	-4	NE'E	2	c	60	97	60	6	8	8	6	1	7-8	1400
	Guernsey ...	175															
6	Pembroke ...	142	16·0	-12	NE	2	b	55	92	54	7	-	-	-	0	0	-
7	Holyhead (Valley)	32	17·1	-14	NE'N	3	bc	62	85	58	6	-	-	-	0	0	-
	Chester (Sealand)	16	17·3	-10	W'N	1	bc/Hz	62	92	60	6	-	6	3	0	2-3	-
8	Manchester ...	235	17·9	-2	N	1	bc/f	63	97	62	3	2	3	-	1.	2-3	5700
10	Spurn Head ...	29	19·2	-2	ENE	2	Z	61	92	59	6	-	3	-	0	2-3	-
	Catterick ...	175	19·1	-6	-	0	bc/f	59	92	57	2	-	3	-	0	2-3	-
	Tynemouth ...	108	20·3	-2	SSW	2	Z_0	60	92	58	5	-	3	-	0	2-3	-
11	St. Abbs Head	280	18·0	-6	-	0	b	63	75	56	7	-	-	-	0	0	-
	Leuchars ...	36	17·8	-8	WSW	2	fg	57	92	55	6	-	-	-	0	0	-
12	Renfrew (Abbotsl.)	19	18·7	-2	-	0	bf/fg	53	97	53	5	-	-	-	0	0	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	18·2	-8	NW	4	c	60	92	57	8	6	-	-	9+	9+	3000
13A	Tiree	22	18·2	-8	SSW	2	c	56	97	55	7	5	-	-	7-8	7-8	700
13B	Stornoway ...	80	14·1	-16	SSW	5	c	57	92	55	7	5	7	-	7-8	10	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	17·1	-10	WSW	2	b	56	92	53	8	-	-	-	0	0	-
	Wick ...	114	18·4	-10	SW	2	bc	55	85	51	9	-	4	1.	0	2-3	-
16	Sumburgh ..	19	14·2	-10	WSW	4	c	55	97	53	7	5	3	-	2-3	7-8	1200
17	Blacksod Point	18	19·3	-2	-	0	f	55	97	54	3	-	-	-	10	10	<150
18	Malin Head ...	84	18·3	-6	S	1	b	52	97	51	8	-	-	-	0	0	-
	Aldergrove ...	268	18·8	-8	-	0	b	54	92	52	7	-	4	-	0	Tr	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18·2	-6	-	0	b	54	97	53	8	-	-	-	0	0	-
	Roches Point	22	16·9	-10	N'E	2	c	59	97	58	8	5	-	-	7-8	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. 28th August

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force. 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
London (Kew)	15·0	-10	NE	1	m	66	85	63	4	-	-	-	0	0	-	1	*
Croydon ...	14·8	-10	ESE	1	Z_0	65	92	63	6	-	-	-	0	0	-	1	*
S. Farnborough	15·0	-2	-	0	F	60	97	59	1	-	-	-	10	10	4150	1	*
Boscombe Down	14·6	-10	NE'E	2	Z_0	67	85	60	5	-	3	-	0	Tr	-	0	*
Thorney Island	13·7	-10	NE	2	b	66	85	62	7	-	-	-	0	0	-	0	*
Lympne ...	16·5	-2	-	0	b	72	65	60	7	-	-	-	0	0	-	0	*
Manston ...	15·6	-6	SE'E	1	Z_0	69	85	63	6	-	4	-	0	Tr	-	0	*
Shoeburyness ...	15·9	-4	ENE	2	b	68	85	65	6	-	-	-	0	0	-	0	*
Felixstowe ...	16·6	+6	-	0	Z_0	71	75	63	6	-	3	-	0	Tr	-	0	1
Gorleston ...	16·6	-8	SE'E	1	Z_0	66	92	64	6	-	-	-	0	0	-	0	1
Mildenhall ...	15·4	-8	SE'E	2	Z_0	66	85	62	6	-	-	-	0	0	-	0	*
Cranwell ...	16·2	-4	E'N	1	Z_0	63	92	61	6	-	-	-	0	0	-	0	*
Birmingham ...	15·6	-4	NE	2	m	64	92	62	4	-	-	-	0	0	-	1	*
Upper Heyford	15·4	-6	ENE	2	Z_0	64	92	62	6	-	-	-	0	0	-	0	*
Ross-on-Wye	15·3	-6	-	0	bf	59	97	59	1	-	-	-	0	0	-	1	*
Hartland Point	13·7	-10	ENE	3	b	67	85	63	7	-	4	-	0	Tr	-	0	2
Bristol ...	15·4	-2	-	0	Z_0	62	97	62	6	-	4	-	0	Tr	-	1	*
Portland Bill ...	13·3	-10	NE	2	c	66	85	63	8	5	-	-	7-8	7-8	4000	1	3
Plymouth ...	12·6	-10	-	0	fg	62	92	60	7	-	3	1	0	1	-	0	1
The Lizard ...	12·1	-8	NE	3	bc	66	85	61	8	7	4	-	2-3	4-6	2500	0	3
Scilly (St.Mary's)	12·5	-10	E'N	3	bc	62	92	60	8	8	4	-	2-3	4-6	1200	0	2
Guernsey ...																	
Pembroke ...	14·0	-8	NE	3	b	65	85	60	7	-	-	-	0	0	-	0	2
Holyhead (Valley)	15·3	-6	NE'N	2	Z_0	62	92	60	6	-	-	-	0	0	-	0	1
Chester (Sealand)	15·8	-6	-	0	bf	58	92	56	3	5	-	-	Tr	Tr	450	1	*
Manchester ...	16·1	-2	-	0	Z_0	64	97	64	5	-	-	-	0	0	-	1	*
Spurn Head ...																	
Catterick ...	17·4	-6	-	0	Ft	59	97	59	1	-	-	-	0	0	-	1	*
Tynemouth ...	17·8	-6	S	1	cf	62	92	60	3	8	3	-	4-6	7-8	1200	1	2
St. Abbs Head	16·7	-8	-	0	bc	62	75	55	7	1	4	-	2-3	2-3	5000	0	1
Leuchars ...	15·6	-14	WSW	1	Z_0	56	92	54	6	5	3	-	2-3	4-6	5500	1	*
Renfrew (Abbotsl.)	17·1	-6	-	0	bf	55	97	55	2	-	-	-	0	0	-	1	*
Eskdalemuir ...	17·1	-4	-	0	bc	55	92	53	6	1	7	1	1	4-6	2800	1	*
Point of Ayre...	16·5	-4	WNW	1	b	60	92	58	8	-	4	-	0	Tr	-	0	0
Tiree	18·9	-6	SSW	3	c	57	92	55	8	5	-	-	7-8	7-8	3500	0	3
Stornoway ...	12·8	-4	SW	4	PR	56	97	56	7	5	7	-	7-8	10	1500	1	3
Dalwhinnie ...	16·5	-6	S	2	bc	57	85	51	8	8	-	-	2-3	2-3	2500	1	*
Aberdeen † ...	15·4	-6	SSW	1	b	52	92	51	6	-	-	9	0	Tr	-	1	1
Wick ...	14·2	-2	SW	2	bc	58	85	52	9	1	7	1	1	7-8	2500	0	*
Sumburgh ..	12·7	-2	SW	5	c/c	54	97	54	6	5	2	-	9+	10	800	1	4
Blacksod Point	17·7	-4	-	0	f	55	97	54	3	-	-	-	10	10	<150	1	3
Malin Head ...	16·6	-2	WNW	2	bcjf	56	97	55	6	5	-	-	2-3	2-3	800	1	1
Aldergrove ...	17·5	-6	-	0	bjf	55	92	53	6	-	4	9	0	Tr	-	1	*
Birr Castle ...	16·7	-4	N	1	c	57	97	56	8	5	-	-	9+	9+	2500	1	*
Valentia Obsy.	16·6	-6	-	0	c	59	92	57	8	5	3	-	Tr	9+	800	1	1
Roches Point	14·9	-2	N	2	bc	60	92	58	8	5	-	-	4-6	4-6	2500	1	2

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 27th Hrs. (38)
London (Kew)	84	63	54	-	Tr	10·6
Croydon ...	85	58	56	-	0·1	9·8
S. Farnborough	85	57	50	-	Tr	11·3
Boscombe Down	83	62	56	-	-	11·0
Thorney Island	84	61	56	-	-	*
Lympne ...	86	67	*	-	-	10·5
Manston ...	84	74	62	-	-	12·0
Shoeburyness ...	80	59	53	-	-	11·1
Felixstowe ...	77	67	60	-	-	11·[illegible]
Gorleston ...	70	64	63	-	-	12·2
Mildenhall ...	88	61	55	Tr	Tr	*
Cranwell ...	85	59	51	-	-	9·4
Birmingham ...	81	63	50	-	Tr	8·1
Upper Heyford	85	60	55	-	-	*
Ross-on-Wye	81	58	56	0·2	0·1	8·3
Hartland Point	75	63	62	-	-	6·3
Bristol ...	83	59	52	2	Tr	9·0
Portland Bill ...	65	60	*	0·4	-	*
Plymouth ...	76	59	53	-	-	7·8
The Lizard ...	68	63	*	1	-	3·1
Scilly (St.Mary's)	67	59	*	-	-	1·8
Guernsey ...						
Pembroke ...	75	56	*		-	3·8
Holyhead (Valley)	74	58	54	-	-	*
Chester (Sealand)	81	56	51	-	0·2	8·9
Manchester ...	80	59	51	-	-	*
Spurn Head ...	72			-		
Catterick ...	79	57	53	-	-	7·9
Tynemouth ...	70	58		-	0·1	*
St. Abbs Head	68	56	*	-	-	
Leuchars ...	74	53	46	-	Tr	11·3
Renfrew (Abbotsl.)	74	48	45	-	-	9·7
Eskdalemuir ...	71	51	46	Tr	-	6·6
Point of Ayre...	66	56	*	-	-	10·4
Tiree	64	55	*	-	-	4·5
Stornoway ...	63	56	*	-	3	2·4
Dalwhinnie ...	70	48	38	-	-	10·3
Aberdeen † ...	75	49	41	-	-	11·6
Wick ...	71	53	46	-	-	*
Sumburgh ..	60	50	51	-	0·3	9·0
Blacksod Point	74	55	50	-	-	10·3
Malin Head ...	69	51	*	-	Tr	*
Aldergrove ...	72	50	42	-	-	10·7
Birr Castle ...	74	55	50	-	-	10·3
Valentia Obsy.	72	53	47	-	0·1	8·1
Roches Point	67	59	*	Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 27th August — 18h. G.M.T. — 01h. G.M.T. 28th August — 07h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 10	00761	12430	53	02764	00015	04	00790	22413	52	02664	21268
115						52	02853	53528	52	62739	87668
203 53	02853	16425				5-	03848	16528			
206 20	01863	24213	53	02861	22316	00	00890	22210	53	01864	21215
210 13	00862	26302				00	00890	18220	13	01862	17213
220 51	02743	14218	53	02624	15416				52	58626	17458
230 70	00852	18202	70	02842	19215	07	02790	00027	57	02654	00015
245 10	00861	24242	00	01890	18215	00	05690	24100	50	00861	22301
260 10	01861	20313	00	01790	20115	00	05690	24110	5-	02866	20116
278 10	00751	10203	04	00890	28113				53	01865	00015
279 74	02751	28145	23	02761	18125	53	05671	00027	50	01773	00040
285											
288 03	05690	02214	08	05690	07201	00	47090	00040	--	48009	00040
575 20	00852	76122	10	01851	24113	00	47690	00001	00	48190	00040
301			03	05690	30214	13	07562	00003	00	08490	30100
321 10	01751	00014	00	00890	14113	03	08490	00013	00	08490	02100
209 00	00590	00300				00	05690	00000			
292 20	05651	00025				03	08490	00011			
310			--	01638	16313				--	05441	32309
614 10	05668	14103	00	05690	04104	00	07590	04211	00	08490	04200

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 27th August — 18h. G.M.T. — 01h. G.M.T. 28th August — 07h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
333 23	02761	12126	43	01761	28213	00	00690	28600	00	00790	02100
334											
340 04	05690	00013	08	01600	07215	00	47390	00040	50	45033	00043
136 00	00790	09110	04	05690	06202	00	05690	11200	00	05690	09210
336 23	01754	16315	20	01752	12313				--	46609	12249
350 10	00761	10211	04	00790	07215	00	05690	08200	00	05690	05100
368 15	01673	08364	14	01761	12213	04	05690	08101			
379 10	00862	10212	03	01890	12114	00	00790	08200	00	05690	02220
390 08	00790	12214	04	00790	00010	00	05590	11200	00	44490	00440
382 18	05671	00001	10	00872	00002	00	05690	00000	00	05590	00000
438 03	01790	04213	00	00790	06300	00	05690	10200	00	00790	06200
430 10	01861	08315	13	00861	12101	00	00790	04100	04	00790	03101
409 13	01861	11284	53	02874	12315	03	00790	04212	04	00890	05102

111 = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
C$_L$, C$_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

‡ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 28th August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	bcmwb	bzoby	bybfmw	Kew 24 hours ended Max. 0·6 27th. Min. Time 0·1 0–21h. 27th
Croydon ...	bcmbby	bcbb	bybmomw	
Greenwich ...	b	by	bw	
Camden Square ...	c	b	*	
Kensington ...	bc	c	*	
Hampstead ...	bc	bc	b	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Today	Humidity 9h % Today
Kew	84	63	54	-	Tr	10·6	*	*
Croydon ...	85	58	56	-	0·1	9·8	*	*
Greenwich ...	85	62	49	-	-	9·5	43	62
Westminster ...	85	68	61	-	-	*	51	73
Regents Park ...	86	62	52	-	-		55	67
Camden Square ...	87	62	55	-	-	*	*	75
Kensington ...	86	62	53	-	-		49	71
Hampstead ...	83	63	57	-	-	-	*	73

SECRET

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BRITISH SECTION — THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Saturday 29th August 1942 — No. 29500

OBSERVATIONS at 13h. G.M.T. 29th August

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	12·6	-20	SE'E	3	b	87	45	60	7	-	-	-	0	0	-
	Croydon ...	12·6	-18	E'S	4	b	86	48	63	8	-	-	-	0	0	-
	S. Farnborough	11·8	-22	E'N	3	b	87	48	64	8	-	-	-	0	0	-
	Boscombe Down	12·2	-20	E'S	4	b	85	48	62	8	-	-	1	0	Tr	-
	Thorney Island	12·8	-10	SE	4	b	78	45	52	8	-	4	1	0	Tr	-
	Lympne ...	14·4	-14	E'S	2	b	84	43	62	7	-	-	-	0	0	-
	Manston ...	13·8	-16	SSE	2	Zo	85	68	70	6	-	-	-	0	0	-
2	Shoeburyness ...	14·6	-10	ENE	4	b	74	75	65	6	-	-	-	0	0	-
	Felixstowe ...	15·4	-8	ENE	2	b	75	66	64	7	-	-	-	0	0	-
	Gorleston ...	15·4	-12	S	2	Zo	69	75	61	6	-	-	-	0	0	-
	Mildenhall ...	13·8	-14	SSE	4	b	89	35	56	8	-	-	-	0	0	-
	Cranwell ...	13·4	-16	SE'S	2	Zo	84	58	67	6	-	-	-	0	0	-
3	Birmingham ...	12·5	-16	SE	2	b	85	45	65	8	-	-	-	0	0	-
	Upper Heyford	12·7	-18	SE'E	2	b	87	38	57	7	-	-	-	0	0	-
4	Ross-on-Wye	11·9	-24	E	2	b	84	55	65	7	-	-	-	0	0	-
5	Hartland Point	10·3	+18	NNE	3	bc	74	75	65	7	-	8	1	0	2-3	-
	Bristol ...	12·3	-22	E'S	2	Zo	86	55	66	6	-	4	1	0	1	-
	Portland Bill ...	12·0	-8	E	2	c	64	88	61	8	5	-	-	9	9	3000
	Plymouth ...	10·7	-8	E	5	bc	79	68	65	8	-	8	-	0	7-8	-
	The Lizard ...	09·4	-12	NE	4	bc	70	75	62	6	8	6	-	4-6	4-6	3000
	Scilly (St. Mary's)	09·9	-18	NE'N	4	c	67	88	61	7	8	3	-	4-6	7-8	1600
	Guernsey ...															
6	Pembroke ...	11·9	-16	N'W	3	b	78	75	70	6	-	-	-	0	0	-
7	Holyhead (Valley)	14·0	-8	NE	2	Zo	77	75	67	5	-	-	-	0	0	-
	Chester (Sealand)	13·1	-14	SE	1	Zo	85	45	64	6	-	-	-	0	0	-
8	Manchester ...	13·3	-12	S	2	b	85	55	67	6	1	-	-	2-3	2-3	2500
10	Spurn Head ...	14·6	-14	SE'E	2	Zo	66	85	61	6	-	-	-	0	0	-
	Catterick ...	14·1	-20	SSE	2	Zo	81	55	64	6	3	-	-	1	1	2500
	Tynemouth ...	15·8	-18	SE	3	bc	65	85	58	6	-	3	-	0	4-6	-
11	St. Abbs Head	14·7	-6	-	0	Zo	66	65	55	6	5	-	-	1	1	6000
	Leuchars ...	14·1	-10	W	3	b	74	55	58	8	1	-	-	Tr	Tr	3000
12	Renfrew (Abbotsl.)	15·1	-10	WSW	2	bc	75	55	56	8	1	-	-	2-3	2-3	3500
	Eskdalemuir ...	13·4	-10	WSW	2	b	65	65	52	7	1	-	-	1	1	2800
	Point of Ayre ...	15·0	-10	NW'N	2	b	68	75	60	8	-	-	-	0	0	-
13A	Tiree	15·5	-4	SW	3	c	57	86	54	8	5	-	-	9+	9+	1800
	Stornoway ...	14·0	+14	WNW	2	c	57	85	52	8	5	7	-	7-8	10	2000
13	Dalwhinnie ...	15·0	0	SW	2	bc	68	55	54	8	2	4	-	2-3	2-3	2500
	Aberdeen ...	13·6	-6	ENE	2	bc	72	65	60	7	1	-	9	Tr	Tr	4000
	Wick ...	14·0	+2	SW	2	Yo Yo	89	92	56	6	5	-	-	10	10	1500
16	Sumburgh ...	12·0	-2	WSW	4	Yo Yo	54	97	54	4	5	-	-	10	10	400
17	Blacksod Point	16·8	-10	W	2	c	62	85	57	8	8	-	-	9+	9+	1500
18	Malin Head ...	16·0	-6	W	3	c	60	85	55	8	5	-	-	7-8	7-8	1500
	Aldergrove ...	15·6	-12	NW	1	b	70	65	56	8	1	4	-	1	1	2500
19	Birr Castle ...	14·7	-16	N	1	bc	75	65	62	8	4	8	-	1	4-6	2500
20	Valentia Obsy.	14·8	-12	N	4	b	70	75	62	8	1	-	1	Tr	Tr	1500
	Roches Point	13·3	-12	S'E	2	b	71	75	63	8	1	-	-	1	1	4000

OBSERVATIONS at 18h. G.M.T. 29th August

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base. (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	11·8	+2	SSW	3	bc	78	55	62	8	5	9	9	2-3	4-6	5700	0	*
	Croydon ...	12·0	-2	SSE	2	b	81	55	62	8	-	8	-	0	4-6	-	0	*
	S. Farnborough	11·6	+2	SE	1	bc	78	56	60	8	-	7	9	0	2-3	-	0	*
	Boscombe Down	11·8	+4	SE'S	2	c	72	65	62	8	-	5	-	0	7-8	-	0	*
	Thorney Island	12·0	-4	E	1	c	75	66	65	8	-	7	-	0	7-8	-	0	*
	Lympne ...	13·0	-6	-	0	b	78	55	61	8	-	9	-	0	1	-	0	*
	Manston ...	11·7	-6	-	0	Zo	75	75	66	6	-	4	-	0	2-3	-	0	*
2	Shoeburyness ...	12·6	-4	E	2	b	72	75	65	6	-	5	-	0	2-3	-	0	*
	Felixstowe ...	12·6	-10	NE'E	3	Zo	72	75	62	6	-	-	-	0	0	-	0	1
	Gorleston ...	14·2	-4	-	0	Zo	69	85	65	6	-	-	-	0	0	-	0	1
	Mildenhall ...	12·0	-8	SE'E	2	b	80	55	64	8	-	-	-	0	0	-	0	*
	Cranwell ...	11·3	-12	SE'S	2	b	80	55	61	7	-	-	-	0	0	-	0	*
3	Birmingham ...	10·6	-14	SE	2	b	83	45	61	7	-	-	-	0	0	-	0	*
	Upper Heyford	11·7	-4	SSE	2	b	84	65	73	8	-	8	-	0	1	-	0	*
4	Ross-on-Wye	10·2	-14	SSE	1	b	83	55	66	7	-	-	9	0	Tr	-	0	*
5	Hartland Point	09·6	+6	S	3	c	73	75	63	8	3	8	-	4-6	7-8	3000	0	2
	Bristol ...	11·1	0	S	3	bc	76	65	64	8	-	3	-	0	4-6	-	1	*
	Portland Bill ...	12·1	+12	E	2	c	65	85	62	8	5	-	-	10	10	4000	1	3
	Plymouth ...	10·7	+6	E	2	c	69	85	64	7	-	9	-	0	7-8	-	0	2
	The Lizard ...	09·2	+2	-	0	bc	65	85	62	7	8	4	-	4-6	4-6	2500	0	4
	Scilly (St. Mary's)	08·5	0	SE'E	3	c	64	92	62	7	5	7	3	4-6	9	1800	0	3
	Guernsey ...																	
6	Pembroke ...	09·7	-4	N'E	3	b	76	75	67	7	-	7	1	0	4-6	-	0	2
7	Holyhead (Valley)	12·2	-6	NNE	3	b	69	75	60	8	-	-	-	0	0	-	0	2
	Chester (Sealand)	11·5	-4	WNW	3	Zo	69	85	64	6	-	-	-	0	0	-	0	*
8	Manchester ...	10·8	-10	-	0	Zo	81	65	68	6	-	4	-	0	Tr	-	0	*
10	Spurn Head ...	12·2	-10	SE'E	3	Zo	65	85	60	6	-	-	-	0	0	-	0	3
	Catterick ...	12·0	+4	S'E	1	Zo	79	65	57	6	-	6	-	0	Tr	-	0	*
	Tynemouth ...	14·0	-6	SE	2	c	60	92	57	6	8	3	-	4-6	7-8	2500	1	2
11	St. Abbs Head	13·1	-4	ESE	1	Zo	67	75	57	6	5	-	-	Tr	Tr	6000	0	1
	Leuchars ...	12·6	-4	WNW	2	bc	73	65	61	9	-	5	4	0	4-6	-	0	*
12	Renfrew (Abbotsl.)	13·8	-4	WNW	3	bc	66	75	56	8	4	3	6	Tr	7-8	2500	0	*
	Eskdalemuir ...	12·0	-4	WNW	1	bc	73	65	62	8	1	5	-	Tr	7-8	3300	0	*
	Point of Ayre ...	13·0	-12	NNW	3	b	64	85	53	8	-	4	-	0	Tr	-	0	2
13A	Tiree	15·1	-2	N'W	3	c	55	97	54	8	5	-	-	9+	9+	1500	1	3
	Stornoway ...	14·7	+2	NW	3	c	57	75	50	8	2	4	8	2-3	7-8	3000	1	2
13	Dalwhinnie ...	13·9	-2	SW	1	o	59	78	52	8	4	2	-	4-6	10	2500	0	*
	Aberdeen ...	13·3	+12	N	3	bc	65	75	55	8	T	9	-	1	7-8	4000	0	2
	Wick ...	15·0	+12	NW	3	c/v	55	92	51	8	5	-	-	9+	10	1500	1	*
16	Sumburgh ...	12·9	+12	WNW	3	p/v	54	92	52	8	8	-	-	9	9	2500	1	4
17	Blacksod Point	15·2	-12	N'W	2	bc	61	85	56	8	8	-	6	Tr	4-6	4000	1	1
18	Malin Head ...	15·1	-4	W'N	2	c	59	85	54	8	5	2	9	4-6	7-8	1500	1	2
	Aldergrove ...	14·4	-4	NW'N	3	b	65	85	59	8	1	4	-	1	1	2500	0	*
19	Birr Castle ...	12·5	-6	N	1	bc	73	65	61	8	4	-	8	1	4-6	2500	1	*
20	Valentia Obsy.	12·2	-14	N	4	b	66	75	58	8	5	-	-	Tr	Tr	2500	1	3
	Roches Point	10·4	-18	NE	2	c	74	75	66	8	5	3	-	1	7-8	4000	1	2

PAST 24 HOURS.

District	Weather. 7h.—13h. 28th (39)	13h.—18h. 28th (40)	18h. 28th — 1h. 29th (41)	1h. — 7h. 29th (42)
1	bmobby	bbcy	ybcbw	bbcmow
	bmoby	by	bycirbw	bbcwmc
	Febmozoy	bbcy	bbcmobbc	bbcwmc
	bmoby	bbc yc	cirobcmo	bbcbcbmo
	bwb	bybc	bcfbcw	cwprobc
	by	b	bcmocmo	bcmoo
	bmozoy	bzo	bcz bm.	bcmocmo
2	bmozo	bzo	bzo	bmobcmo
	bmob	bbzo	b,cbcm.w	bcmcmbcmw
	bzo	bzo	bcz.	bccz.
	by	by	bmobcmcmcmowbcmobc	
	bmo	bmoyby	bbccz.	bcz.bf
3	b	b	bbc	bcz
	bmobzoy	by	bcycbc	bbcwmo
4	bfmzb	by	bcbc	cbbc
5	bbc	bcc	ebc	bc
	bbcmobzo	zobybc	bccb	bccmow
	b	c	bc	bcc
	bc	bcyc	bcmo	bcmobfg
	bc	bccbc	cbcw	bcw
	bcc	c	cbcw	bcw
6	bcbzo	bzo	bcz.	bcmow
7	bmozo	bzo	bbc	bccbc
	bfmzoy	czoy	bzocmo	cirobcm
8	bzoy	czoy	bzbf	bcFir.
10	bzo	bzo	bmo	cmo
	bfzoy	bzoy	bzoybf	bfbmbf
	cpcffbc	bcc	bcbmo	bmobcc
11	bcmobz	bz	bz.bcmc	cmo
	bcbmob	bybc	bcc	c
12	bbczoby	bcybc	bcbmow	bbcwmc
	cbcb	bbc	bcbmo	ofid.
	b	b	bbcbw	bbce
13A	bcc	ódddoc	cbcc	c
	cYoYo	c	c	c
13	bcy	bco		oi.
	bmob	bbc	bbc	cirrc
16	cYYYoYo	cYoYoc	cbccbc	c
	cmYoYoc	cYoYocpYo	bbc	c
17	bcc	c	c	c
18	c	bc	d	c
	f	c	bbccb	bbcfwcm
	bjf mob	b		tlr
19	b	b	be	tlr
20	bc	b	bc	c
	b	bc		

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 29th August

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light variable wind; mainly fine and very warm but local thunderstorms: moderate to good visibility, poor locally at night.
4 W. Midlands 5 S.W. England 6 South Wales	As No. 1. today, but much very low cloud expected to-night, breaking slowly to-morrow morning. Visibility moderate to good, becoming poor tonight. Much cooler to-morrow.
7 North Wales	As No. 1.
8 N.W. England 9 N. Midlands ... 10 N.E. England	Light Southeasterly wind becoming moderate, Northeasterly; mainly fine and warm to-day but local thunderstorms. Becoming cloudy and much cooler later; visibility moderate.
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 East to Northeast wind; cloudy with local slight rain or showers chiefly in North and East. Average temperature in South, but below, in North, becoming rather below average generally.
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As Nos 10-15.

GENERAL INFERENCE

Pressure is low over the Bay of Biscay and an anticyclone centred near the Faeroes is moving east-southeast. In the northern half of the British Isles it will be cloudy with local light rain and much cooler than of late. It will be very warm and thundery in the South but the cloudy and cooler conditions will spread southwards as far as East Anglia to North Wales during the period.

FURTHER OUTLOOK

Remaining thundery in the South and Southwest. Generally cloudy and much cooler elsewhere.

Forecasts issued at 1030

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Saturday 29th August 1942.

HIGH

Low

1022 1020 1018 1016 1014 1012 1010

10° 5°W. 0° 5° 10°

60° 55° 50°

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

Height of Low cloud

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in 8mbs.

Weather in past hour

Past weather

Scale 1 : 5,000,000.

Mb.

H.M.S.O. Press, Meteorological Office, Dunstable.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

Morning of

Saturday 29th August

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere ; a chart showing the hours at which the observations are taken is contained in the Introduction.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

= Warm Front on the Surface
= Warm Front above the ground
= Cold Front on the surface
= Cold Front above the ground
= Occluded Front (or Occlusion)
= Warm Occlusion
= Cold Occlusion
= Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

All times are G.M.T. Add one hour to get summer time.

BRITISH SECTION

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Saturday 29th August 1942

No. 29500

OBSERVATIONS at 1 hr. G.M.T. 29th August

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	66	*	*	*	*	*	*	*	*	*
	Croydon	290	12·7	+2	–	0	bc	62	92	60	6	5	3	–	Tr	2-3	6000
	S. Farnborough	226	12·2	0	–	0	fg	65	85	62	7	–	7	1	0	7-8	–
	Boscombe Down	417	12·6	-2	–	0	z.	65	85	59	6	–	4	2	0	4-6	–
	Thorney Island	10	12·7	+2	NE	1	z.	62	92	60	6	5	3	–	1	9	4000
	Lympne	283	13·6	+2	–	0	z.	66	85	61	6	–	3	–	0	7-8	–
	Manston	154	12·1	-2	–	0	z.	67	85	63	6	–	3	–	0	4-6	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	12·3	-2	–	0	z.	66	92	64	5	–	7	–	0	7-8	–
	Gorleston	5	11·8	-12	S	1	bc	65	92	62	5	–	–	8	0	2-3	–
	Mildenhall	15	11·9	-2	SSE	1	z.	64	85	60	6	5	7	–	2-3	9	5700
	Cranwell	203	11·5	-2	–	0	z.	65	85	62	6	–	3	–	0	7-8	–
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	12·0	-2	SW	2	bc	68	85	61	7	5	5	–	1	4-6	5700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10·8	0	SE	3	bc	64	85	60	8	1	4	–	1	4-6	4000
	Bristol	209	12·4	+2	–	0	bc	63	92	61	7	–	3	2	0	4-6	–
	Portland Bill	32	12·8	+4	E	2	bc	62	85	59	8	5	–	–	2-3	2-3	4000
	Plymouth	82	11·8	0	E	1	z.	63	92	62	6	–	3	–	0	2-3	–
	The Lizard	240	10·8	+2	S	3	bc	61	92	59	8	4	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	10·3	+2	SES	4	bc	60	97	60	7	5	–	–	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	11·4	+2	SE	2	bc	64	92	62	7	7	–	–	2-3	2-3	3000
7	Holyhead (Valley)	32	12·0	-4	N	2	bc	62	85	58	8	7	3	–	4-6	7-8	6300
	Chester (Sealand)	16	10·9	-6	WNW	2	c	64	85	61	6	–	5	–	0	9+	–
8	Manchester	235	11·4	+2	S	2	bef	62	97	61	2	–	3	–	0	4-6	–
10	Spurn Head	29	12·3	0	SSE	2	z.	63	92	61	6	–	–	–	0	0	–
	Catterick	175	13·6	+2	N	1	f	60	97	60	2	–	–	–	0	0	–
	Tynemouth	108	14·4	+2	N	3	z.	60	92	58	5	–	–	–	0	0	–
11	St. Abbs Head	280	14·4	+14	N	3	c	57	92	55	6	5	4	–	4-6	9	4000
	Leuchars	36	15·3	+4	ENE	4	c	57	85	54	7	5	2	–	7-8	10	3200
12	Renfrew (Abbots I.)	19	14·9	+2	–	0	z.	51	97	50	5	–	3	1	0	2-3	–
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	12·9	0	NW'N	2	b	58	97	56	8	–	–	–	0	0	–
13A	Tiree	22	15·9	0	N	2	c	55	85	50	7	5	7	–	4-6	9+	2500
13B	Stornoway	80	16·8	+2	–	0	c	50	97	50	7	5	7	–	7-8	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	17·0	+10	NNW	2	c	54	92	52	8	5	7	–	7-8	10	3600
	Wick	114	17·2	+12	–	0	bc	49	97	47	8	–	7	6	0	7-8	–
16	Sumburgh	19	16·0	+14	NW	3	c	53	85	49	8	2	–	2	7-8	9+	1800
17	Blacksod Point	18	14·3	-8	NE'E	3	c	59	92	57	8	5	–	–	10	10	2500
18	Malin Head	84	15·1	-2	ENE	3	c	56	92	54	8	5	2	–	7-8	10	1500
	Aldergrove	268	14·3	-6	–	0	bc	51	97	50	7	5	3	–	1	2-3	5000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·4	-12	NE'E	1	bc	64	85	59	8	–	3	–	0	4-6	–
	Roches Point	22	10·8	0	E	3	c	64	85	59	8	5	–	–	7-8	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. 29th August — PAST 24 HOURS.

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 28th Hrs. (38)
London (Kew)	12·4	-2	–	0	z.	65	92	63	6	5	3	1	4-6	7-8	4000	0	*	87	62	52	–	Tr	10·8
Croydon	12·5	0	SSE	2	c	64	92	62	6	5	3	6	1	7-8	5000	0	*	88	61	58	–	Tr	12·2
S. Farnborough	11·7	+2	NE	1	z.	65	92	62	6	5	7	1	7-8	9	4000	0	*	87	61	52	–	–	9·2
Boscombe Down	12·4	0	–	0	z.	64	92	62	5	–	3	–	0	4-6	–	0	*	86	61	53	–	Tr	10·2
Thorney Island	12·2	+2	E	1	z.	65	92	62	6	5	7	–	2-3	7-8	4000	0	*	82	61	57	–	Tr	*
Lympne	13·7	+2	–	0	c	66	85	63	8	7	3	–	9	9+	5500	0	§ 0	86	60	*	–	–	11·9
Manston	12·0	+2	–	0	z.	72	75	64	6	–	9	–	0	7-8	–	0	*	85	64	53	–	–	11·6
Shoeburyness	12·8	+4	SW	1	bc	67	92	65	5	–	3	–	0	4-6	–	0	*	78	60	53	–	–	12·0
Felixstowe	12·0	+2	W'N	1	z.	68	85	63	6	–	3	6	0	4-6	–	0	1	76	66	58	–	–	12·3
Gorleston	11·7	+2	WNW	1	c	65	85	61	6	–	7	–	0	7-8	–	0	2	72	63	61	–	–	12·0
Mildenhall	12·0	+2	SW	1	bc	65	85	61	7	5	7	–	2-3	7-8	4000	0	*	90	60	55	–	–	12·0
Cranwell	11·8	+6	NW	1	f+	61	92	60	2	–	3	–	0	2-3	–	0	*	87	61	55	–	–	12·2
Birmingham	11·8	+4	–	0	z.	67	85	63	5	–	3	–	0	2-3	–	1	*	88	64	55	–	–	10·8
Upper Heyford	11·8	+2	SW	1	z.	66	85	61	6	5	7	1	1	7-8	5700	0	*	88	63	57	–	–	*
Ross-on-Wye	11·6	0	–	0	fg	62	92	60	6	–	3	–	0	4-6	–	0	*	87	60	55	..	–	10·8
Hartland Point	11·0	+6	SE	2	bc	62	97	60	8	1	4	–	1	2-3	3000	0	2	79	61	58	–	–	8·8
Bristol	12·5	+4	–	0	z.	60	97	60	6	5	–	–	1	1	5700	1	*	87	58	52	–	–	11·0
Portland Bill	12·1	-2	E	2	bc	64	85	61	8	5	–	–	7-8	7-8	4000	1	2	70	59	*	–	–	*
Plymouth	11·7	+2	E	1	z.	58	97	58	6	–	7	1	0	4-6	–	0	1	80	56	50	–	–	6·7
The Lizard	10·6	0	ENE	2	bc	60	97	60	7	8	4	–	4-6	4-6	2000	1	3	74	58	*	–	–	7·2
Scilly (St. Mary's)	09·5	-4	ESE	3	bc	61	97	60	8	8	6	–	4-6	4-6	800	0	3	70	59	*	–	0·1	4·4
Guernsey																							
Pembroke	11·5	+6	E'N	2	bc	61	97	60	6	2	4	–	2-3	4-6	3000	0	2	79	57	*	–	–	11·2
Holyhead (Valley)	11·0	-2	N	1	b	59	92	57	7	5	4	–	Tr	1	5000	0	2	77	58	54	–	Tr	*
Chester (Sealand)	11·1	+2	–	0	bc	62	92	60	4	–	6	–	0	4-6	–	1	*	88	60	55	–	Tr	10·2
Manchester	11·4	+4	NE	1	m	63	97	62	4	2	3	–	1	4-6	4000	0	*	86	61	55	–	Tr	*
Spurn Head	12·7	+4	N	4	z.	59	97	58	5	5	5	–	4-6	9	4000	0	3	67	58	*	–	–	11·5
Catterick	14·7	+6	N	3	f	59	97	59	3	5	–	–	10	10	300	1	*	83	59	56	–	–	9·9
Tynemouth	15·7	+10	N	4	z.	57	92	54	6	5	–	–	9+	9+	1800	1	3	66	55	*	–	–	*
St. Abbs Head	16·3	+14	NNE	3	c	55	92	53	7	5	–	–	10	10	2500	0	2	72	54	*	–	–	*
Leuchars	17·2	+12	ENE	2	c	55	92	52	8	5	7	–	7-8	10	1800	0	*	77	55	49	–	–	9·9
Renfrew (Abbots I.)	15·7	+6	E'N	3	c	56	85	50	9	5	2	–	4-6	10	1000	1	*	75	50	44	–	–	9·7
Eskdalemuir	15·1	+6	NE	3	df	54	97	53	2	5	–	–	10	10	<150	1	*	78	54	51	–	Tr	8·4
Point of Ayre	11·6	+4	ENE	5	c	60	92	57	7	–	7	–	0	9+	–	0	4	70	55	*	–	–	11·5
Tiree	15·4	0	NE'N	3	c	56	85	51	8	5	–	–	9+	9+	3500	0		60	54	*	0·3	–	
Stornoway	18·0	+10	NNE	3	c	53	92	51	8	8	7	–	7-8	10	2000	1	2	60	49	*	0·5	–	2·6
Dalwhinnie	17·9	+4	NE	1	o	49	92	47	7	5	–	–	10	10	1500	1	*	69	48	48	–	1	9·8
Aberdeen †	18·4	+10	N'W	1	c/r	53	97	53	7	6	7	–	2-3	9+	900	1	1	75	51	49	–	3	9·5
Wick	19·4	+4	NW	1	c	51	97	50	8	8	7	–	4-6	9+	1000	1	*	62	42	44	4	Tr	*
Sumburgh	20·5	+26	NE'N	3	c	47	75	39	8	5	7	9	4-6	9	2000	1	2	54	45	43	8	–	0·1
Blacksod Point	13·4	0	NE	3	c	59	85	53	8	5	–	–	10	10	2500	0	3	64	57	*	0·2	–	*
Malin Head	14·1	-6	E	3	c	56	92	54	7	5	2	–	4-6	10	450	1	3	62	55		Tr	0·1	2·4
Aldergrove	13·6	-2	NNE	1	m	53	97	52	4	5	3	–	9+	10	1000	1	*	73	48	41	–	Tr	11·9
Birr Castle	11·8	0	N	1	c	57	97	56	8	8	7	–	7-8	9	1500	1	*	77	56	55	–	12	10·0
Valentia Obsy.	10·1	+4	SE'S	3	bc	63	85	59	8	2	3	–	2-3	7-8	2500	1	2	72	62	56	–	6	10·2
Roches Point	10·8	+6	E	4	c	61	85	57	8	5	–	–	9	9	2500	1	3	75	61	*	–	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 28th Aug: $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 29th Aug: $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	52	27736	21468	27	02953	25384	53	02851	26305	52	02846	04428
115							57	02844	28127	57	02844	04327
203	6-	64728	16568									
208	52	22864	22468	52	02965	24268	52	02864	00028	52	10645	06358
210	73	02866	24227	57	02865	26268	5-	01768	03358	57	02864	05328
220												
230	74	00853	20313	52	02746	18328	57	02855	00026	52	02955	00028
245	1-	00951	22201	10	12951	26317	5-	02858	01328	5-	02968	04228
260	04	05690	23301	03	01890	24201	5-	05658	08318	5-	05648	04328
278	00	00890	30301	04	00890	27402	04	00790	63411	53	02864	24116
279	00	05690	28200	08	00790	24201	00	05690	32300	53	05652	38516
285												
288	00	41490	02240	00	08490	04200	--	46209	00049	5-	41438	01448
575	10	00852	28242	40	01852	26314	00	04790	00011	5-	03728	04228
301	00	05690	28200	00	05690	30303	00	08490	00000	03	05690	12225
321	00	00790	00000	00	00790	00000	03	05690	32101	--	44309	29369
299	40	05662	12212	00	05690	20200	00	05690	26400	--	46009	30449
292	00	00790	12100	00	00690	12100	00	04590	28300	53	08432	28347
310				--	01641	10201				--	46109	04349
614	06	05690	14100	00	05690	00000	03	08450	00016	--	48209	02249

III	13h. G.M.T. 28th Aug: $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 29th Aug: $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	10	00761	28301	04	00790	28300	53	02773	04117	04	00790	04113
334	--	00690	10100	--	00690	20100						
340	00	05690	12200	00	05690	32200	03	61490	00028	03	08490	14145
136	00	00790	14300	00	00790	11300	03	05690	12117	09	24115	11665
336				00	00790	12300				03	01790	12312
350	00	00790	12400	08	01790	12302	03	05690	17215	04	05690	17114
368	00	05690	08411	53	01763	16314	03	05690	08103	04	05690	00012
379	00	00790	10300	03	00890	14303	03	01790	18313	53	01873	20215
390	00	00790	14300	04	05690	12202	55	08483	18167	07	05690	00025
382	00	05690	12300	08	00890	16302	03	05690	00014	58	05601	00017
438	00	00790	12400	07	05890	00015	00	00790	00014	53	02773	00015
430	00	00890	10300	09	02790	00016	03	05690	04126	09	02790	00026
409	08	01890	09204	57	05784	12326	04	01790	09310	24	09851	12304

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 29th August
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	bm$_o$bby	bbcy	ycbcw
Croydon	bm$_o$by	by	bycir$_o$c
Greenwich	by	bbcy	bccwbc
Camden Square	b	b	*
Kensington	bc	b	*
Hampstead			

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended [illegible] Max. 0·4 T[illegible] 8.[illegible] Min. <0·1 Time 11-19h 28th

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	87	62	52	–	Tr	10·8	*	*
Croydon	88	61	58	–	Tr	12·2	*	*
Greenwich	88	60	48	–	–	11·5	38	64
Westminster	89	63	60	–	–		44	77
Regents Park	90	62	53	–	–		35	65
Camden Square	90	63	56	–	–	*	*	70
Kensington	90	62	53	–	–		44	67
Hampstead							*	

SECRET

BRITISH SECTION

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Sunday 30th August 1942

No. 28501

OBSERVATIONS at 13h. G.M.T. 29th August

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	10·5	−20	WNW	1	zo	80	45	60	6	8	6	1	4-6	7-8	4000
	Croydon	10·9	−14	WNW	1	bc	83	45	61	7	–	8	–	2-3	4-6	5500
	S. Farnborough	10·6	−12	–	0	s/p	77	65	66	7	8	7	–	7-8	9	2500
	Boscombe Down	11·3	−10	E'S	2	iro	75	75	64	7	8	9	–	Tr	9+	4000
	Thorney Island	11·1	−14	NE	3	c	76	75	65	8	3	3	3	2-3	7-8	4000
	Lympne	11·7	−14	SE	2	b	81	45	58	7	–	4	–	0	Tr	–
	Manston	10·6	−14	N'E	1	zo	81	65	67	6	–	7	1	0	1	–
2	Shoeburyness	11·9	−18	SSE	1	bc	79	55	62	7	–	3	–	0	2-3	–
	Felixstowe	11·0	−12	SE	2	zo	80	55	64	6	–	–	2	0	Tr	–
	Gorleston	11·8	−2	E'S	1	b	71	75	64	6	–	–	–	0	0	–
	Mildenhall	10·9	−10	–	0	b	87	55	59	7	1	7	1	Tr	1	5700
	Cranwell	11·9	−6	NNW	3	zo	77	65	64	6	–	3	2	0	7-8	–
3	Birmingham	11·2	−4	SSE	2	bc	79	55	61	7	1	3	–	2-3	4-6	4000
	Upper Heyford	10·9	−10	–	0	c	83	55	62	8	8	3	–	4-6	7-8	5000
4	Ross-on-Wye	10·8	−10	E	2	c	79	55	63	8	1	7	–	Tr	9+	4000
5	Hartland Point	10·5	−8	NNE	2	bc	64	92	62	7	1	4	5	2-3	4-6	3000
	Bristol	11·2	−14	ENE	1	c	78	65	65	8	1	3	–	Tr	9+	4000
	Portland Bill	11·0	−16	E	2	c	69	75	63	8	5	–	–	10	10	4000
	Plymouth	10·0	−6	SSW	1	c	71	75	64	8	–	7	–	0	9	–
	The Lizard	10·1	−4	NE	3	bc	66	85	63	8	7	3	–	4-6	4-6	3000
	Scilly (St. Mary's)	09·5	−4	E'N	3	bc	72	75	65	8	–	8	–	0	2-3	–
	Guernsey															
6	Pembroke	11·4	−6	NWW	3	bc	67	92	64	6	2	4	3	2-3	4-6	3000
7	Holyhead (Valley)	11·9	+2	SW	2	zo	67	75	60	6	2	–	2	Tr	1	4000
	Chester (Sealand)	11·1	−6	NNE	1	zo	79	55	64	6	1	–	–	2-3	2-3	3500
8	Manchester	11·6	−6	NNE	3	bc	75	75	65	4	2	3	9	2-3	4-6	4000
10	Spurn Head	13·2	+2	N'E	4	zo	65	85	60	6	–	3	–	4-6	4-6	7200
	Catterick	15·2	−4	N	3	iro	60	92	58	4	–	2	–	10	10	1000
	Tynemouth	16·6	−2	N	4	c	57	92	55	6	5	–	–	9+	9+	1800
11	St. Abbs Head	18·0	+10	NE	3	iro	55	92	53	7	5	–	–	10	10	1500
	Leuchars	18·7	+4	NE	3	c	56	92	53	8	5	7	–	4-6	10	1200
12	Renfrew (Abbots I.)	17·2	+4	ENE	3	c/r	57	75	60	7	8	2	–	7-8	10	1800
	Eskdalemuir	16·2	+4	NE	4	o	56	92	54	6	5	–	–	10	10	400
	Point of Ayre	13·0	0	E'N	5	zo	63	85	59	6	5	3	–	7-8	10	2000
13A	Tiree	16·2	0	NNE	3	bc	61	85	56	8	5	3	–	2-3	4-6	3500
13B	Stornoway	19·6	+12	ENE	4	c	56	85	52	8	5	7	–	7-8	9+	2500
15	Dalwhinnie	19·0	0	SSE	3	c	57	75	59	7	5	–	–	9+	9+	1500
	Aberdeen	20·0	+4	NE	3	c	57	85	52	8	7	7	–	7-8	9+	2000
	Wick	21·6	+12	ENE	4	c	53	75	46	8	5	7	–	7-8	10	2500
16	Sumburgh	23·4	+14	NE	3	c	50	65	39	9	5	2	–	9	10	3000
17	Blacksod Point	13·9	−4	NE	4	c	60	85	55	8	5	–	–	10	10	2500
18	Malin Head	14·9	+2	NE	3	r	58	85	53	8	5	2	–	7-8	10	800
	Aldergrove	13·8	−4	NEN	3	o/r	58	92	56	6	5	–	–	10	10	1000
19	Birr Castle	11·8	−6	NE	2	c	69	75	61	8	4	–	–	7-8	7-8	2500
20	Valentia Obsy.	10·6	−2	WNW	2	bc	69	75	61	8	1	–	–	4-6	4-6	4000
	Roches Point	11·4	−6	E	4	bc	66	61	61	8	5	4	–	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 29th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 29th (39)	Weather 13h.–18h. 29th (40)	Weather 18h. 29th – 1h. 30th (41)	Weather 1h.–7h. 30th (42)
London (Kew)	07·2	−18	ESE	2	c	80	45	59	7	5	3	–	9	9+	4000	0	•	cbczoy	bccy	qtlrrc	cmo
Croydon	07·9	−14	E	3	c	77	55	61	7	5	4	9	2-3	9	6000	0	•	bczoy	bcybcc	otlrom	cmwctmo
S. Farnborough	06·7	−26	–	0	c	77	75	67	6	5	7	–	4-6	9+	3500	0	•	cmoprocj	pcjpcyc	cprq,tlr	bcbccmow
Boscombe Down	09·0	−6	S'W	5	tlr	65	92	63	4	9	–	–	7-8	10	400	1	•	bcmocprc	cRRtlr	tlrbc	cmoc
Thorney Island	09·3	−10	SW	4	TLR	66	92	64	4	5	–	–	10	10	450	1	•	bcbzo	coTLR	tlrrbc	cmofyc
Lympne	08·3	−8	ENE	2	c/pr	74	65	60	7	–	8	–	0	9+	–	0	§!	cbcby	bcypfo	ctprobc	cropromo
Manston	07·7	−16	ENE	3	zo	75	65	64	6	5	9	8	Tr	4-6	5700	0	•	bzo	bbczo	cromobc	cmow,iro
Shoeburyness	08·7	−12	E'S	2	c	72	75	65	6	1	7	–	Tr	7-8	1500	0	•	czobcy	bcyemo	Tlrmc	roroc
Felixstowe	08·6	−14	ENE	2	zo	71	85	64	6	1	3	9	1	7-8	5700	0	1	cmobmo	bzbcmo	bccprotl	cc,w,id,iro
Gorleston	09·5	−6	–	0	zo	67	85	63	5	–	–	9	0	2-3	–	0		bzo	bczo	bcmo	bczoffe
Mildenhall	08·8	−12	N'W	3	bc	75	75	65	7	5	8	2	2-3	7-8	5000	0	•	bcmoby	bybcbybc	cmlw	fodom
Cranwell	10·3	−6	N'E	4	zo	63	92	60	5	5	–	–	10	10	300	0	•	fbcbbc	czobzo	omoford	dofpmdod
Birmingham	09·0	−14	ENE	3	c	70	85	65	6	2	9	–	2-3	7-8	4000	1	•	bc	bccpro	otlRR	oido
Upper Heyford	08·0	−20	NNE	4	zo	74	75	65	6	2	9	–	2-3	4-6	5000	1	•	bcycy	mbtlrczo	ctlrrcmo	cmoff
Ross-on-Wye	07·7	−16	NNW	1	u	70	85	65	8	3	7	–	7-8	9	3000	1	•	cbc	pcRdc	ktlRr	omo
Hartland Point	08·8	−6	S	2	rto	65	85	62	7	5	2	–	4-6	10	1500	1	2	bc	bccito	crrl	c
Bristol	07·0	−34	SSW	4	tlr	73	85	68	7	9	–	–	4-6	10	450	1	•	bmobc	cctro	ctlrc	cmoom
Portland Bill	10·1	−4	S	2	RR	63	92	62	7	5	–	–	10	10	800	1	2	bcc	oR	o	o
Plymouth	08·0	−18	SE	2	toto	63	92	62	6	–	7	–	0	10	–	1	2	bcc	ctlro	crorobcmo	cmow
The Lizard	07·8	−16	E	3	c	63	92	61	8	8	2	–	7-8	10	1500	0	3	bc	bcc	bccw	c
Scilly (St. Mary's)	08·9	−2	ENE	2	c	63	92	61	7	5	8	7	4-6	10	1800	0	3	bccbc	bcc	cw	cwpr
Guernsey																					
Pembroke	09·1	−6	N'E	4	c	68	85	63	7	5	6	–	4-6	9+	2500	0	2	bczo	czo	crorom	cmo
Holyhead (Valley)	10·4	−10	NNE	2	c	70	89	63	7	3	8	–	4-6	7-8	4000	0	1	b,cbcb	bbcb	cprmo	crrmoc
Chester (Sealand)	09·9	−6	N	3	c	69	75	62	5	5	–	–	7-8	10	4000	0	•	bczoy	bcczo	bcprot	cprrrmo
Manchester	10·3	−6	NE	4	zo	65	85	60	6	–	3	–	0	9	–	0	•	bcmbrmo	cbbcczo	cmoperc	crorrc
Spurn Head	12·5	0	NE	4	F	60	97	59	1	–	–	–	10	10	<150	0	3	bczo	F	Fo	o
Catterick	14·6	−8	N	3	ido	58	97	57	4	5	–	–	10	10	500	1	•	omiro	oidom	oidomfdmo	cmodd
Tynemouth	16·4	−2	NNE	4	o	56	92	54	6	5	–	–	10	10	1800	1	3	c	co	otliRo	ocpoc
St. Abbs Head	17·7	+2	NE	3	c	54	97	53	7	5	–	–	10	10	1500	1	4	cmoroc	croromo	cidomo	cmo
Leuchars	18·1	−4	NE	3	ito	55	97	54	7	6	7	–	2-3	10	1000	1	•	c	cito	cirocddo	ciroc
Renfrew (Abbots I.)	16·7	0	ENE	3	RR	55	85	52	6	5	2	–	7-8	10	1000	1	•	ciroc	iRtoroRR	cmoRRc	c
Eskdalemuir	15·3	−10	NE	4	ido	54	92	52	6	5	–	–	10	10	300	1	•	ofido	od id	oidoc	c
Point of Ayre	12·2	−6	E'N	6	bc	61	85	58	7	5	4	–	Tr	2-3	600	0	3	iroczo	cbczo	bccbc	bccq
Tiree	15·5	0	NE	2	c	60	85	54	8	5	–	–	9+	9+	2800	0	3	cbc	bcc	c	c
Stornoway	19·6	0	NE	5	c	54	92	52	8	5	7	–	7-8	10	2000	1	2	cpro bc	c	c	cbc
Dalwhinnie	18·0	0	SSE	1	ito	51	92	49	7	5	–	–	10	10	1500	1	•	bc	ito		oiro
Aberdeen	20·0	−4	ENE	3	toto	54	92	52	6	5	7	–	4-6	10	2000	1	2	c	ctotomo	ir.rr	c
Wick	21·4	−4	E'N	4	c	52	85	47	8	5	7	–	7-8	10	3000	0	•	cproc	c	cbc	c
Sumburgh	23·7	−2	ENE	4	c	49	75	41	8	5	2	–	4-6	10	3000	0	3	c	c	cbc	cbc
Blacksod Point	12·9	−2	NNE	4	c	60	92	58	8	5	–	–	10	10	2500	0	3	c	c	c	c
Malin Head	14·3	+2	E'S	3	c	57	92	55	7	5	2	–	7-8	10	1500	1	3	c	t	c	r
Aldergrove	13·1	−8	NE	4	zo	57	92	55	6	5	–	–	10	10	1200	1	•	cmotlroirc	cmo	cmo	cbmwc
Birr Castle	10·6	0	N'E	2	bc	68	85	63	8	–	–	8	0	4-6	–	1	•	c	bc		r
Valentia Obsy.	10·6	−6	WSW	2	bc	64	85	59	8	1	–	4	2-3	2-3	2500	1	2	bc	bc	bc	r
Roches Point	09·8	−10	S	2	ip	62	92	60	8	2	–	5	1	4-6	2500	1	3	c	c	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 30th August, 1942.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light indefinite to southerly winds; some fair periods; some thunderstorms or occasional thundery rain; local morning fog; rather warm and close.
5 S.W. England; 6 South Wales	Light to moderate South to Southwest winds; bright periods; thundery showers; rather warm and close.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland	Moderate easterly winds, fresh locally on the East Coast; occasional thundery rain with thunder possible locally; local fog at times on parts of the East Coast; rather cool at first in the north, but elsewhere rather close.
15 N.E. Scotland; 16 Orkneys and Shetlands	Fresh easterly winds fair but with considerable cloud at times; possibly some rain later in period; rather cool.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Moderate Northeast winds; mainly cloudy, occasional rain with a chance of local thunder; average temperature to rather close.

GENERAL INFERENCE

A complex low pressure area covering southern Britain and the Bay of Biscay area is moving slowly North and will partly fill up. Occasional thundery rain or thunderstorms will be experienced in many districts but with some fair periods especially in the South and Southwest. Conditions will be mainly rather warm and close.

FURTHER OUTLOOK

None issued.

Forecasts issued at 10·30.

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Sunday 30th August, 1942.

HIGH

LOW

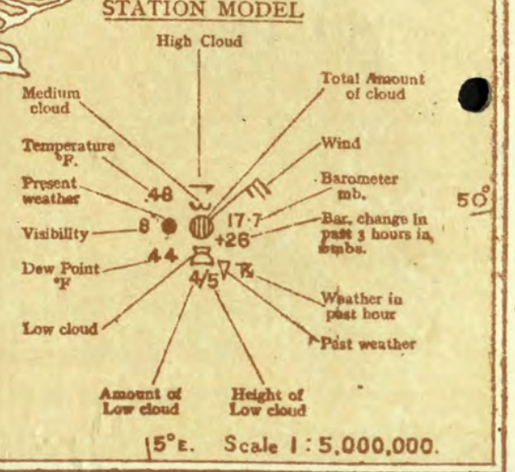
LOW

1020 1022 1024 1018 1016 1014 1012 1010 1008 1008

60° 55° 50° 10° 5°W. 0° 5°E. 10°

Mb. 1050 1040 1030 1020 1010 1000 990 980 970 960 950 940

STATION MODEL



Scale 1 : 5,000,000.

H.M.S.O. Press, Meteorological Office, Dunstable.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as " warm " or " cold " occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the " warm " or " cold " symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

Morning of

Sunday 30th August,

1942.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere ; a chart showing the hours at which the observations are taken is contained in the Introduction.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

= Warm Front on the Surface
= Warm Front above the ground
= Cold Front on the surface
= Cold Front above the ground
= Occluded Front (or Occlusion)
= Warm Occlusion
= Cold Occlusion
= Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

All times are G.M.T. Add one hour to get summer time.

Page 4.

BRITISH SECTION

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Sunday 30th August 1942

No. 28501

OBSERVATIONS at 1 hr. G.M.T. 30th August

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	65	*	*	*	*	*	*	*	*	*
	Croydon	290	09·4	+6	S	1	m	63	97	63	4	5	3	6	1	9	1200
	S. Farnborough	226	08·9	+4	E'N	1	bc	63	92	62	7	–	7	–	0	7-8	–
	Boscombe Down	417	09·1	–2	E	1	z0	61	97	60	6	8	6	5	4-6	9+	2500
	Thorney Island	10	09·2	–2	ENE	2	c	62	97	60	6	5	7	–	2-3	9	4000
	Lympne	283	10·0	+2	S	2	c	63	97	62	7	–	8	–	0	7-8	–
	Manston	154	09·3	+10	SSW	1	z0	62	97	61	5	–	4	2	0	7-8	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	08·2	+4	SSW	3	z0	67	92	66	6	–	3	5	0	4-6	–
	Gorleston	5	08·3	–4	S	4	z0	66	85	63	6	–	4	–	0	2-3	–
	Mildenhall	15	08·2	–2	WNW	2	m	63	97	61	4	5	–	–	10	10	300
	Cranwell	203	09·3	–6	NNW	3	d0d0	60	97	60	2	–	–	–	10	10	<150
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	09·1	–6	NNW	2	c/r	60	97	60	6	5	1	–	9+	10	500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	07·4	–8	SW	3	c	62	85	57	8	5	4	–	4-6	7-8	1500
	Bristol	209	09·4	0	–	0	c	61	97	61	6	3	7	–	7-8	9	900
	Portland Bill	32	08·9	+4	E	2	o	62	92	60	7	5	–	–	10	10	2500
	Plymouth	82	08·1	–8	–	0	z0	59	97	59	6	–	3	–	0	9+	–
	The Lizard	240	08·0	–6	–	0	c	59	97	59	8	8	2	–	7-8	9+	1500
	Scilly (St. Mary's)	163	08·1	+2	NE'E	2	c	59	97	58	8	8	5	5	4-6	7-8	1600
	Guernsey	175															
6	Pembroke	142	07·4	–2	W	1	r0r0	61	97	61	5	8	–	–	9+	9+	1500
7	Holyhead (Valley)	32	08·6	–10	NE	4	c/pr	60	97	59	6	8	3	–	2-3	9+	1000
	Chester (Sealand)	16	10·5	–2	NE'E	3	pr	61	92	59	6	5	2	2	4-6	10	2500
8	Manchester	235	10·8	+2	NNE	3	c	60	85	57	7	2	–	–	10	10	1600
10	Spurn Head	29	10·6	–8	NE'N	5	o	59	97	58	5	5	–	–	10	10	800
	Catterick	175	14·0	–10	NNE	4	z0	57	92	54	6	5	–	–	10	10	800
	Tynemouth	108	15·7	–6	N	4	o	56	92	54	7	5	–	–	10	10	1500
11	St. Abbs Head	280	17·5	–2	NE	3	c	53	92	51	7	5	–	–	10	10	1500
	Leuchars	36	18·3	0	ESE	4	c	53	92	52	8	5	2	–	7-8	10	2000
12	Renfrew (Abbots I.)	19	16·9	+2	ENE	3	c	55	85	51	8	5	–	–	10	10	2000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	12·1	+2	E	5	bc	59	85	54	7	5	–	6	2-3	4-6	3000
13A	Tiree	22	16·3	0	NE	2	c	55	85	51	8	5	7	–	7-8	10	3000
13B	Stornoway	80	19·7	–4	ENE	5	c	52	92	50	7	5	7	–	7-8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	20·1	+2	ENE	2	c	51	92	48	7	6	2	–	4-6	10	800
	Wick	114	22·0	0	NE	3	c	51	75	44	8	8	–	–	7-8	7-8	2000
16	Sumburgh	19	23·1	–6	ESE	4	bc	49	65	40	9	5	–	–	2-3	2-3	3500
17	Blacksod Point	18	12·8	–4	ENE	4	c	60	92	58	7	5	–	–	10	10	1500
18	Malin Head	84	14·8	0	E	4	c	56	85	51	7	5	2	–	7-8	10	800
	Aldergrove	268	14·7	+10	ENE	2	z0	55	92	52	5	5	2	–	9	10	1600
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·7	–2	–	0	c	58	97	57	7	–	5	–	0	9+	–
	Roches Point	22	09·9	0	W	1	r0r0	60	97	59	7	6	2	–	4-6	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 30th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 29th Hrs. (38)
London (Kew)	09·6	+8	E	2	z0	66	92	63	5	5	–	–	10	10	2500	1	*	84	63	57	–	12	5·8
Croydon	09·7	–6	–	0	z0	64	97	64	6	5	1	–	4-6	10	5000	1	*	85	62	62	–	5	8·3
S. Farnborough	09·0	+6	E'S	2	z0	63	97	63	5	5	2	–	9+	10	800	1	*	80	63	58	0·3	6	3·0
Boscombe Down	09·1	–6	SE'E	2	f+	62	97	61	2	–	–	–	10	10	<150	1	*	78	60	51	3	19	3·2
Thorney Island	09·2	+4	SE'E	2	c	63	97	62	7	8	7	–	2-3	7-8	4000	1	*	76	60	56	2	15	*
Lympne	11·5	+14	SW	2	c/pr	63	97	62	7	6	7	–	9	9+	1800	1	§1	84	61	*	Tr	2	8·9
Manston	10·0	+4	SSW	2	c/r	66	92	64	7	2	9	–	Tr	7-8	2500	1	*	83	62	57	–	0·1	9·3
Shoeburyness	10·5	+6	SSW	2	ir0	66	92	64	6	5	–	–	10	10	1500	1	*	80	62	54	–	0·3	9·[illegible]
Felixstowe	09·7	+6	SW'S	2	ir0	66	92	64	6	5	–	–	10	10	3600	0	2	81	65	62	–	0·5	1[illegible]
Gorleston	09·4	+10	SW	3	z0	63	92	60	5	5	–	–	10	10	600	0	3	74	62	60	–	–	10·2
Mildenhall	09·8	+6	SW	2	d0d0	61	97	60	4	5	–	–	10	10	220	1	*	87	61	61	–	–	10·3
Cranwell	09·6	+10	N'W	3	d0d0	57	97	57	4	5	–	–	10	10	300	1	*	61	57	57	–	4	8·2
Birmingham	10·4	+4	ENE	3	d0d0	57	97	56	4	5	–	–	10	10	450	1	*	81	57	57	Tr	19	3·8
Upper Heyford	09·7	+8	E'N	2	f+	60	97	60	3	–	–	–	10	10	<150	1	*	83	60	59	2	23	*
Ross-on-Wye	09·4	0	NE'E	2	z0	61	97	60	5	5	–	–	10	10	400	1	*	79	60	60	13	38	4·1
Hartland Point	07·6	+6	SSE	3	c	61	85	58	8	4	–	–	9	9	2100	1	3	67	60	58	Tr	4	6·8
Bristol	09·4	+4	NE'N	1	m	62	97	62	4	5	–	–	10	10	800	1	*	78	60	53	0·2	17	4·7
Portland Bill	09·0	+8	S	2	z0	62	92	59	7	5	–	–	10	10	2500	1	2	69	60	*	25	1	*
Plymouth	08·4	+4	–	0	z0	60	97	60	6	5	–	–	10	10	2000	1	1	74	58	50	4	0·1	4·8
The Lizard	08·0	+2	–	0	pr	60	92	58	8	8	2	–	7-8	9+	1500	1	2	67	59	*	–	–	5·6
Scilly (St. Mary's)	08·1	+6	–	0	cjp	60	97	59	7	8	7	–	4-6	9+	1600	0	3	72	59	*	–	–	6·5
Guernsey																							
Pembroke	07·7	+10	SE'E	3	c	61	97	60	7	5	6	1	7-8	9	2500	1	2	81	58	*	–	10	7·0
Holyhead (Valley)	09·5	+6	NE	5	c	59	92	57	6	6	7	–	Tr	10	1000	1	4	74	58	58	–	4	*
Chester (Sealand)	10·7	+10	NE	3	c	59	85	55	7	5	2	–	7-8	10	2000	1	*	81	59	57	–	6	8·0
Manchester	10·9	+10	NE	4	c	56	92	54	8	5	7	–	7-8	10	1500	1	*	76	56	55	–	2	*
Spurn Head	08·2	–2	NE'N	5	o	59	85	55	6	5	–	–	10	10	800	0	4	68	57	*	–	–	6·3
Catterick	14·0	+2	NNE	3	id0	55	85	52	6	5	–	–	10	10	1000	1	*	60	55	54	Tr	Tr	0·0
Tynemouth	15·7	0	NE	4	c/pr	55	85	51	7	8	–	–	10	10	1700	1	4	57	55	*	–	3	*
St. Abbs Head	16·8	+8	NE	4	c	53	85	48	7	5	–	–	10	10	2500	0	4	55	52	*	0·2	Tr	
Leuchars	17·5	+4	ENE	4	c/r	53	92	50	8	6	7	–	4-6	10	800	1	*	56	52	50	0·3	0·6	0·0
Renfrew (Abbots I.)	16·5	+2	ENE	3	c	53	85	49	8	5	2	–	9	10	1800	1	*	57	52	50	4	1	0·0
Eskdalemuir	15·0	0	NE'N	4	c	50	85	46	8	5	1	–	7-8	9+	1200	1	*	56	50	50	Tr	Tr	0·0
Point of Ayre	11·2	–6	E'N	6	c	57	85	52	8	5	2	–	1	10	1500	0	5	63	57	*	–	–	2·3
Tiree	15·3	0	ENE	2	c	56	85	50	8	5	–	–	9	9	3500	0	3	63	55	*	–	–	2·8
Stornoway	18·6	–6	E	5	bc	53	85	47	8	2	4	–	1	4-6	3500	1	3	56	51	*	Tr	–	0·0
Dalwhinnie	18·5	–2	–	0	o	49	85	44	8	5	–	–	10	10	2500	1	*	57	47	46	0·2	1	1·0
Aberdeen †	19·2	–2	NE'E	3	c	53	85	47	8	5	7	–	7-8	10	2000	1	3	57	51	48	1	5	0·0
Wick	21·2	+2	E'N	3	c	51	65	40	9	5	–	–	9	9	2500	0	*	54	51	44	Tr	–	*
Sumburgh	23·3	+4	ENE	4	bc	49	75	40	9	5	–	–	7-8	7-8	3000	0	2	50	48	44	–	–	0·0
Blacksod Point	12·0	–2	NE'E	3	c	59	92	57	7	5	–	–	10	10	1500	0	3	61	(59)	*	–	–	*
Malin Head	13·9	+2	E'N	5	c	56	85	51	8	6	2	–	4-6	9+	1500	1	4	60	55		Tr	Tr	0·4
Aldergrove	13·0	–2	NE	2	c	55	85	51	8	5	–	–	10	10	900	1	*	60	53	50	13	Tr	0·2
Birr Castle	10·2	+2	NNE	1	ir	57	97	56	7	5	–	–	10	10	1500	1	*	73	56	55	–	2	6·8
Valentia Obsy.	09·5	0	NE'E	3	rr0	61	92	59	7	6	7	–	2-3	10	1500	1	2	75	57	51	–	0·4	11·5
Roches Point	07·5	–6	N	3	rr	60	97	59	6	6	2	–	4-6	9+	800	1	3	67	58	*	–	12	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 29th August $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 30th August $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
109	52	03865	06428	52	61855	07468	5-	02863	06463	5-	02856	05426
115				52	02844	37587	57	02844	41526	51	02944	41527
203				53	02954	08428	04	00990	12213	00	00990	08114
206	57	02844	08428	52	22843	08468	5-	02748	08668	5-	52748	08458
210	87	22867	03268	62	62633	40468	62	02744	08428	5-	02867	06427
220				54	01962	04314						
230	78	02963	08226	57	62957	04168	52	02965	04227	57	02966	04227
245	57	02842	05328	57	62741	06368	52	02757	39468	57	02824	38428
260	5-	51648	07358	62	22635	41268	52	05644	08358	52	02734	08328
278	07	25898	08388	62	13754	26298	53	02753	06426	57	02965	06327
279	57	02756	39668	57	02855	06527	53	02745	06627	53	02895	39627
285	--	48309	10367	5-	53528	10458						
288	5-	05548	03541	5-	52438	02458	52	05648	02528	5-	05648	02428
575	5-	02848	08268	52	61746	08328	52	21745	08258	52	02847	08228
301	03	05690	06316	03	02790	08425	5-	05648	04368	52	22746	08468
321	5-	05645	31325	5-	05638	01428	02	51638	02458	6-	62528	32498
299	--	46009	30249	5-	05638	01428	5-	05648	04428	8-	02648	04498
292	5-	02738	04228	5-	05638	01428	5-	05648	03358	5-	61848	32328
310	--	08435	10415									
614	03	08490	02203	5-	05538	04328	5-	57328	02398	5-	21638	02358

III	13h. G.M.T. 29th August $C_L C_M$	wwVhNh	DDFWN	18h. G.M.T. $C_L C_M$	wwVhNh	DDFWN	01h. G.M.T. 30th August $C_L C_M$	wwVhNh	DDFWN	07h. G.M.T. $C_L C_M$	wwVhNh	DDFWN
333	14	01862	12114	97	02754	30227	62	62644	02188	57	61754	09268
334	--	01763	18114	--	91447	28198						
340	13	05690	00002	57	81465	07288	5-	81568	02288	5-	05648	08288
136	00	05690	30213	03	05690	32204	9-	93418	03398	5-	52528	12298
336	13	01763	12315	53	22754	12365						
350	35	01863	01215	83	05675	04427	9-	07528	30288	--	57109	08149
368	08	05690	00016	9-	95548	20198	5-	02657	14197	5-	05548	07228
379	27	02863	08125	5-	05658	02488	--	46209	04399	--	46109	04349
390				55	01773	00024	5-	47338	18298	5-	51328	00048
382	57	61864	12105	87	02865	31326	5-	08437	03227	5-	47128	00048
438	07	05690	00013	80	13658	22518	87	02753	20415	57	02754	15126
430	09	10690	04285	9-	97228	20398	57	04554	00016	57	05641	06125
409	04	02990	02215	37	61862	12368	09	02890	00027	5-	02877	20127

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 30th August
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	cbcz0y	bccy	qtlrrcm0
Croydon	bcz0y	bcybcc	ptlr0fcm0
Greenwich	bcy	bccy	crtl Rb
Camden Square	c	bc	*
Kensington	bc	bc	*
Hampstead	bcp	bc	orpl

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended [illegible]: Max. 0·3, Time 7-9h on 29th; Min. <0·1, Time 14-24h on 29th.

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	84	63	57	–	12	6·1	*	*
Croydon	85	62	62	–	5	8·3	*	*
Greenwich	85	63	57	–	5	6·5	43	84
Westminster	86	65	63	6			50	88
Regents Park								
Camden Square	87	64	61	–	7	*	*	82
Kensington	86	64	54	–	7		54	86
Hampstead	83	61	59	Tr	4		*	88

Page 1 **BRITISH SECTION**

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

SECRET

Monday 31st August 1942

No. 29502

OBSERVATIONS at 13h. G.M.T. 30th August

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	09.8	-2	SSW	3	c	71	75	61	8	8	3	6	4-6	7-8	1500
	Croydon	10.0	-2	SSW	3	c	72	65	61	8	2	7	4	4-6	7-8	2500
	S. Farnborough	09.4	-6	S'E	3	c	73	65	61	9	3	7	3	4-6	7-8	2500
	Boscombe Down	09.4	-4	S	4	bc	70	75	62	7	2	7	2	4-6	7-8	2000
	Thorney Island	10.4	+2	SW	3	bc	68	85	64	8	2	5	-	4-6	7-8	2500
	Lympne	12.6	0	SSE	3	c	65	75	60	8	2	9	-	4-6	9	2500
	Manston	10.9	-2	S	3	c	71	65	58	8	2	6	4	7-8	9	2500
2	Shoeburyness	10.9	-4	S'E	3	c	72	75	64	8	8	7	5	2-3	7-8	3500
	Felixstowe	10.5	-4	SSE	3	bc	73	75	64	7	2	7	3	2-3	7-8	4000
	Gorleston	10.6	-2	S'E	4	bc	69	85	63	7	1	7	0	2-3	4-6	2000
	Mildenhall	09.6	-6	S'E	3	c	75	55	59	7	2	3	-	4-6	9+	2500
	Cranwell	10.4	+4	W	1	Z₀	60	85	56	6	5	-	-	7-8	10	600
3	Birmingham	10.3	-2	NE	2	o	59	92	57	5	5	-	-	10	10	450
	Upper Heyford	08.9	-6	SE	3	c	68	75	60	7	9	9	8	4-6	9	1200
4	Ross-on-Wye	09.2	-4	NE	2	c/f	62	97	60	5	5	-	-	10	10	400
5	Hartland Point	08.6	0	WSW	3	bc	63	92	61	8	3	4	3	2-3	4-6	2000
	Bristol	08.9	-6	SSE	2	c/p+	70	75	62	7	8	6	6	4-6	9+	1500
	Portland Bill	10.5	+6	S	2	o	62	92	60	7	5	-	-	10	10	2500
	Plymouth	09.8	+6	SSW	2	bc	65	85	62	8	3	7	-	4-6	4-6	2000
	The Lizard	09.4	+6	SW	3	c	66	85	65	8	8	6	-	7-8	7-8	2000
	Scilly (St. Mary's)	09.4	+2	SSW	2	c	68	85	61	8	8	4	3	4-6	9	1200
	Guernsey															
6	Pembroke	08.5	+6	SE	3	c	64	92	62	7	2	6	-	2-3	9+	2500
7	Holyhead (Valley)	09.5	-2	ENE	4	c	60	85	56	6	5	7	-	9+	10	2500
	Chester (Sealand)	10.2	-8	NNE	3	c	59	85	54	5	5	2	-	7-8	10	2000
8	Manchester	10.6	-6	N	3	o	59	92	57	4	-	2	-	10	10	2200
10	Spurn Head	09.6	+6	WSW	3	Z₀	63	85	60	6	5	-	-	10	10	1500
	Catterick	12.2	-10	NNE	3	Z₀	55	85	52	6	5	2	-	9+	10	1500
	Tynemouth	13.3	-10	N	4	o	56	92	54	7	-	2	-	10	10	1700
11	St. Abbs Head	15.5	-10	NNE	3	c	54	92	52	7	5	-	-	10	10	2000
	Leuchars	16.6	-6	NE	4	c	57	85	52	8	8	3	-	7-8	9+	2200
12	Renfrew (Abbots I.)	14.8	-12	ENE	4	c	59	65	47	8	5	7	-	4-6	10	2500
	Eskdalemuir	13.4	-8	NE'N	4	++	58	85	56	8	6	2	-	4-6	10	1200
	Point of Ayre	11.7	-4	E'N	4	++	57	85	53	7	6	2	-	10	10	2500
13A	Tiree	15.0	-6	S	1	c	59	75	49	9	5	-	-	10	10	7200
13B	Stornoway	16.9	-22	E	5	b	57	75	49	8	1	4	-	Tr	1	4500
15	Dalwhinnie	17.7	-12	NE	2	c	56	65	46	8	5	4	-	4-6	7-8	2500
	Aberdeen	18.1	-8	NE	4	bc	57	75	49	8	7	-	-	4-6	4-6	3000
	Wick	19.8	-10	ENE	4	c	54	65	44	9	5	-	-	7-8	7-8	3000
16	Sumburgh	21.5	-6	ENE	4	bc	53	75	44	9	5	-	1	4-6	4-6	3500
17	Blacksod Point	11.5	-6	NE'E	5	c	60	85	56	7	5	-	-	10	10	500
18	Malin Head	13.5	-6	NE'E	5	c	56	85	52	8	6	2	-	7-8	10	1500
	Aldergrove	12.7	-6	E'N	2	c	56	75	47	8	5	2	-	9+	10	6000
19	Birr Castle	10.2	-2	ESE	3	c	59	92	57	8	6	2	-	7-8	10	1500
20	Valentia Obsy.	08.8	-6	ENE	3	c	64	85	60	8	5	-	-	9+	9+	7200
	Roches Point	07.9	-2	N	3	c/+	63	92	61	7	6	2	-	4-6	9+	1500

OBSERVATIONS at 18h. G.M.T. 30th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 30th (39)	Weather 13h.–18h. 30th (40)	Weather 18h. 30th to 1h. 31st (41)	Weather 1h.–7h. 31st (42)
London (Kew)	10.0	+2	SSW	3	c	67	75	59	8	8	-	1	7-8	7-8	2500	1	•	cm₀cbc	bcpr₀c	cbcw	[illegible]
Croydon	10.1	0	S	2	c	67	85	60	8	2	4	3	2-3	9	2000	1	•	cm₀c	cir₀c	cbwcbc	bccr
S. Farnborough	09.9	+6	SSW	2	c	66	75	59	8	8	3	9	7-8	9	1500	1	•	cm₀c	cbbcv	c	cwcir
Boscombe Down	10.1	+6	SSW	3	c/p+	65	85	60	8	8	6	-	7-8	9	2000	1	•	fpcr₀c	ccpr₀	c,of	ofir
Thorney Island	10.5	+4	SSW	3	bc	65	85	60	8	8	7	3	2-3	4-6	2500	0	•	cr₀cbc	bccbc	cbcc	crpr
Lympne	11.6	0	SSW	1	c	65	85	59	8	-	9	-	0	7-8	-	0	2	cbcc	c	cbcwom.	bcop
Manston	10.4	-2	S	1	bc	67	75	60	8	3	7	6	2-3	4-6	5000	0	•	bccv	cr₀	bcbm.w	bwc
Shoeburyness	10.9	+2	SSW	2	c/r	69	75	61	8	5	7	-	2-3	7-8	5000	1	•	cr₀r₀c	cir₀c	c	cwm
Felixstowe	10.1	-2	S'E	2	c	69	75	62	8	8	7	-	7-8	9	4000	0	2	cir₀pr₀bc	bcc	cbbw	ocwcm.
Gorleston	10.3	-2	S'W	4	bc	69	75	61	7	3	4	-	2-3	7-8	3500	0	4	cbc	bc	bbc	bcwm₀
Mildenhall	09.3	+2	S	3	c	70	75	62	7	2	7	-	2-3	9+	2000	0	•	od₀d₀mc	cycprc	bbcm₀w	cm₀w
Cranwell	09.6	0	N'W	1	Z₀	60	92	58	6	5	-	-	10	10	2000	1	•	od₀d₀om	cm₀cir	cir₀m.Ff	fcrorcm
Birmingham	09.2	-4	ENE	2	Z₀	61	92	59	5	6	-	-	10	10	800	1	•	omd₀	oro	oc	cor.
Upper Heyford		+4	SW'S	1	Hr		97		6	9	7	-	7-8	9+	1500	1	•	ofcm₀c	Hrpr₀m	tlr. cm₀	cmod₀
Ross-on-Wye	10.3	-4	ENE	2	m	63	92	61	6	8	-	-	9+	10	800	1	•	omd₀fof	um₀rct	c	c
Hartland Point	08.8	0	W	2	bc	63	92	61	8	2	4	6	2-3	4-6	2000	0	3	cbc	bccbc	bcc	beirrc
Bristol	09.8	+2	S'W	2	c/p+	63	92	61	7	3	7	3	4-6	9	2500	1	•	pmcm₀cpr₀	cr₀R₀pR	cbccm₀	ccir₀m
Portland Bill	11.7	+4	SW	2	f	59	92	57	3	5	-	-	10	10	450	1	2	o	off	o	orre
Plymouth	10.1	+4	SW	2	c	61	97	61	8	5	-	-	9	10	300	0	1	cp₀cc	bcc	cmocw	cdod₀r₀r₀f
The Lizard	09.4	-2	SW	2	bc	65	85	62	8	8	6	-	4-6	4-6	2500	0	3	cprrc	bcc	coid	idrrc
Scilly (St. Mary's)	09.2	-10	SSW	2	c	65	85	62	8	8	4	4	4-6	7-8	1200	0	2	c	c	cr.	coir
Guernsey																					
Pembroke	08.6	-2	S'W	2	c/f	62	97	61	6	8	6	-	7-8	9+	1500	1	2	cZ₀	r₀r₀m₀	c	cw
Holyhead (Valley)	08.6	-6	ENE	2	Z₀	60	92	57	5	5	-	-	9+	9+	2500	1	3	cm₀	cm₀	cid₀m	crrm
Chester (Sealand)	09.0	-4	-	0	Z₀	63	85	57	5	5	-	-	10	10	2000	1	•	cm₀	cZ₀cm₀	omidr₀r	cr₀
Manchester	09.6	-6	NE	1	m	62	85	58	4	5	7	-	7-8	9+	4000	1	•	crrmm	cm₀mo	ocmir₀f	crrmir.
Spurn Head	09.7	+2	S'W	2	rr	62	85	59	5	5	2	-	4-6	10	1100	1	3	om₀	cm₀rr	prom₀	om₀
Catterick	09.4	-16	NW	2	c	56	97	55	7	5	2	-	9	9+	1500	1	•	cRir₀m₀	crrmc	cmobccm.	oRRrf
Tynemouth	09.8	-10	NNW	4	rf	56	97	55	3	-	2	-	10	10	1100	1	4	orro	or₀r₀ff	opFFo	cm
St. Abbs Head	11.1	-18	N	3	f-	55	97	55	1	-	-	-	10	10	450	1	4	c	cr₀dF	cr₀rroF	oFdocm₀
Leuchars	12.8	-10	NE	4	c	56	97	55	7	5	-	-	10		900	1	•	c	c	cm₀rr₀r₀m₀	rom₀drrf
Renfrew (Abbots I.)	11.9	-20	ENE	3	c	56	85	51	7	5	-	-	10	10	3000	1	•	c	cir₀oc	cmddrr	cm₀cm
Eskdalemuir	11.0	-12	NE'E	3	id₀	53	85	49	6	5	2	-	7-8	10	700	1	•	ccrr	irid₀	rrr₀m	ofpe
Point of Ayre	09.5	-14	E	4	c/r	58	85	53	8	6	7	-	7-8	10	800	1	5	cirr	rrir₀	cr.Rc	cbccn
Tiree	12.4	-10	NE	1	c	58	85	52	9	5	-	-	9+	9+	3500	0	2	c	c	ccirc	cpr₀c
Stornoway	14.0	-12	E	4	c	55	85	50	8	5	7	-	7-8	9+	3500	0	3	bcb	bc	c	cbcc
Dalwhinnie	14.0	-12	NE	3	c	56	75	47	8	8	3	-	2-3	7-8	2500	0	•	oc	c		cir₀
Aberdeen	15.3	-16	NE	3	c•	56	92	54	8	5	8	-	9	10	2500	1	3	cbc	bcc	cir₀ir	cir₀irf
Wick	17.5	+16	ENE	4	c	53	85	50	8	8	-	-	7-8	7-8	2500	0	•	c	c	c	cdd₀orf
Sumburgh	19.2	-10	ENE	5	bc	52	75	45	8	5	3	-	4-6	4-6	4000	0	3	bcubc	bc	bcb	obcc
Blacksod Point	09.8	-10	ENE	3	c	59	85	52	8	5	-	-	10	10	1500	0	3	c	c	r	r
Malin Head	11.1	-14	ESE	5	c	56	85	55	8	5	2	-	7-8	10	2500	1	4	c	c	r	d
Aldergrove	11.1	-4	E'N	2	c	53	92	52	7	5	2	-	7-8	10	1200	1	•	c	circ	cm₀	cm₀cid.
Birr Castle	08.6	-8	ENE	3	c	58	92	56	8	5	7	-	7-8	9	2500	1	•	r	c	.	r
Valentia Obsy.	07.3	-10	SW'W	1	c	64	85	60	7	5	7	-	7-8	10	2500	1	2	r	bc	r	d
Roches Point	07.1	-6	N	2	ir₀	63	97	62	7	6	2	-	4-6	9+	800	1		r	r	r	c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 31st August

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light to moderate Southerly winds, cloudy with local rain or showers, some improvement spreading slowly Northwards, visibility moderate to good, poor locally later, average temperature
5 S.W. England; 6 South Wales	Light to moderate Southerly winds; mainly fair, but some local showers, good visibility, average temperature.
7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England; 11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland	Light South to Southeast winds, cloudy, local rain or showers; poor to moderate visibility, good locally, average temperature.
14 Mid Scotland; 15 N.E. Scotland; 16 Orkneys and Shetlands	Light Southeast wind in South, fresh to strong in North, moderating later, fog and drizzle lifting slowly from the South, poor visibility, improving slowly from South; average temperature.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 6-13 B.

GENERAL INFERENCE

A depression off Northwest Ireland is moving North northeast and minor troughs are crossing the British Isles. It will be cloudy with some local rain or showers in most districts, some fair periods are likely in the South, temperature will be average.

FURTHER OUTLOOK

Improving slowly.

Forecasts issued at 10.30

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h Monday 31st August 1942.

HIGH

Low

1012 1014 1010 1008 1006

10° 5°W. 0° 5°E. 60° 55° 50°

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

Height of Low cloud

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Weather in past hour

Past weather

Scale 1 : 5,000,000.

Mb

H.M.S.O. Press, Meteorological Office, Dunstable.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as " warm " or " cold " occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the " warm " or " cold " symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

Morning of

Monday 31st August

1942.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere ; a chart showing the hours at which the observations are taken is contained in the Introduction.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

= Warm Front on the Surface
= Warm Front above the ground
= Cold Front on the surface
= Cold Front above the ground
= Occluded Front (or Occlusion)
= Warm Occlusion
= Cold Occlusion
= Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

All times are G.M.T. Add one hour to get summer time.

A.M.S. Khartoum

BRITISH SECTION

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Monday 31st August 1942

No. 29502.

OBSERVATIONS at 1 hr. G.M.T. 31st August

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	18	*	*	*	*	*	62	*	*	*	*	*	*	*	*	*
	Croydon	290	11·6	+2	SW'S	2	bc	59	97	58	7	5	4	5	Tr	4-6	2000
	S. Farnborough	226	11·3	+2	SSW	2	c	60	92	57	8	5	-	-	7-8	7-8	1000
	Boscombe Down	417	11·5	-2	S'W	3	of+	58	97	58	2	5	-	-	10	10	100
	Thorney Island	10	11·6	0	S'W	1	e	60	97	58	7	5	5	-	7-8	9	800
	Lympne	283	13·6	+6	S	1	zo	60	97	60	6	-	3	·	0	7-8	-
	Manston	154	12·4	+4	S'W	1	zo	59	97	58	6	-	-	6	0	2-3	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	12	11·6	+6	SW	3	bc	63	92	61	7	-	-	6	0	2-3	-
	Gorleston	5	11·6	+2	SW	2	bc	61	92	58	7	-	7	-	0	4-6	-
	Mildenhall	15	10·8	+6	S'W	2	zo	60	92	57	6	-	4	2	0	4-6	-
	Cranwell	203	09·8	-2	SSE	1	of-	57	97	56	2	-	-	-	10	10	<150
3	Birmingham	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	09·4	-10	SW'S	2	zo	60	97	59	6	5	-	·	10	10	400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	09·1	-6	S	3	bc	59	92	57	8	4	4	6	2-3	4-6	1500
	Bristol	209	11·2	+2	S'W	4	c	58	97	57	6	5	-	-	10	10	600
	Portland Bill	32	12·1	+2	SW	2	o	59	92	56	7	5	-	-	10	10	2500
	Plymouth	82	10·5	-4	SSE	2	c	61	97	60	7	5	-	-	9+	9+	2000
	The Lizard	240	09·3	-6	SE	1	ido	61	97	61	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	08·7	-10	SE'E	2	r	61	97	60	7	8	-	-	10	10	800
	Guernsey	175															
6	Pembroke	142	08·8	-4	S	3	c	61	97	61	7	8	7	-	7-8	9+	2500
7	Holyhead (Valley)	32	08·4	-4	S	2	c/d	60	92	58	5	5	-	-	10	10	1000
	Chester (Sealand)	16	09·0	-2	SE'E	2	c	60	85	58	5	5	7	-	4-6	10	2300
8	Manchester	235	09·2	-6	SSE	1	m	59	92	57	4	5	-	-	10	10	1100
10	Spurn Head	29	10·1	+2	W'N	2	zo	59	92	57	6	5	-	-	10	10	1500
	Catterick	175	09·5	-2	-	0	zo	55	97	54	6	5	3	-	4-6	7-8	2000
	Tynemouth	108	09·6	0	-	0	c	57	97	57	6	8	-	-	9+	9+	1500
11	St. Abbs Head	280	08·6	-8	E	3	dF	56	97	55	0	-	-	-	10	10	<150
	Leuchars	36	08·9	+10	ENE	3	roro	56	97	56	5	5	-	-	10	10	400
12	Renfrew (Abbots I.)	19	08·8	-24	NE	2	rr	57	97	56	4	5	-	-	10	10	1400
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	08·3	+8	SE	2	c	58	92	56	7	5	7	-	4-6	10	2500
13A	Tiree	22	09·6	-18	-	0	c	55	92	53	8	5	7	-	4-6	10	2500
13B	Stornoway	80	10·8	-20	SE	4	c	55	85	51	7	5	7	·	7-8	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen †	79	11·3	-20	ENE	3	rr	55	97	55	6	5	2	-	9	10	600
	Wick	114	14·0	-22	ENE	3	c	54	92	53	7	5	-	-	10	10	1700
16	Sumburgh	19	16·5	-16	ESE	3	b	52	85	50	8	-	-	-	0	0	-
17	Blacksod Point	18	07·3	-18	SE	2	roro	57	92	55	7	6	2	-	4-6	10	1500
18	Malin Head	84	08·4	-18	E	3	c	56	92	54	8	5	2	-	7-8	10	2500
	Aldergrove	268	08·8	-12	NE	1	c	54	92	52	6	5	-	-	10	10	2000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	06·7	-8	S'W	2	zo	60	97	60	6	5	-	-	10	10	1500
	Roches Point	22	07·1	-6	N	1	c	61	97	60	8	6	2	-	4-6	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 31st August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 30th. Hrs. (38)
London (Kew)	11·2	-4	E	1	roro	60	92	58	6	6	2	-	9+	10	2500	1	*	72	57	50	Tr	0·1	3·7
Croydon	11·3	-2	SE'S	2	roro	61	97	61	6	6	2	-	7-8	10	1000	1	*	73	57	53	Tr	2	5·1
S. Farnborough	10·7	-4	ESE	1	iro	60	97	59	5	5	2	-	9+	10	800	1	*	74	57	51	-	0·2	4·2
Boscombe Down	10·7	-4	SE	3	dd	59	97	59	3	5	-	-	10	10	200	1	*	71	56	56	0·1	1	3·1
Thorney Island	11·2	+2	SW'S	3	ror	64	97	64	6	5	-	-	10	10	800	1	*	69	59	54	-	4	*
Lympne	13·2	-2	S	2	f+	62	97	62	3	-	-	-	10	10	<150	0	§2	71	59	*	-	-	5·9
Manston	12·0	0	S'W	1	zo	63	97	61	6	5	-	·	10	10	500	0	*	73	58	54	10	Tr	4·4
Shoeburyness	12·3	-2	SSW	3	ido	63	92	61	6	5	-	-	10	10	700	0	*	74	60	52	Tr	Tr	3·2
Felixstowe	11·5	0	SSW	1	zo	62	92	60	6	5	7	-	7-8	9+	5700	0	2	76	63	57	0·2	Tr	5·[illegible]
Gorleston	11·4	+2	SW	2	zo	59	92	56	6	-	7	-	0	7-8	-	0	3	73	58	55	-	-	6·[illegible]
Mildenhall	10·9	+2	S	1	zo	60	85	57	6	-	7	1	0	9	-	1	*	77	57	51	0·6	Tr	3·0
Cranwell	09·6	+2	S'E	1	zo	60	97	59	5	5	3	-	7-8	9+	700	1	*	63	55	47	0·1	Tr	0·2
Birmingham	09·6	0	S	3	o	56	92	54	7	6	-	-	10	10	800	1	*	61	57	53	2	0·3	0·0
Upper Heyford	10·2	0	S'E	2	c/d	59	97	58	6	5	7	7	9	10	2000	1	*	71	58	57	23	1	*
Ross-on-Wye	09·4	-4	S	2	c	59	92	56	7	5	7	-	7-8	9+	2000	1	*	64	58	57	2	-	0·0
Hartland Point	07·8	-6	ESE	2	rr	60	97	60	7	6	2	-	9	10	1000	1	2	65	57	55	-	7	6·5
Bristol	10·3	-4	SSE	1	iro	60	97	59	6	5	2	-	9+	10	1500	1	*	72	57	54	4	Tr	1·6
Portland Bill	10·9	-2	S	2	c	61	92	59	7	6	2	-	10	10	2500	1	2	63	57	*	-	2	*
Plymouth	09·2	+2	SSW	3	c/r	62	97	62	6	5	2	-	9+	10	800	1	2	67	59	58	Tr	3	5·4
The Lizard	08·2	-2	SSW	4	c	62	97	62	7	8	6	-	7-8	7-8	1000	1	4	67	60	*	3	2	5·6
Scilly (St. Mary's)	07·4	+2	S'W	3	c/r	62	97	62	8	8	7	-	4-6	10	1200	1	3	77	59	*	Tr	3	9·0
Guernsey																							
Pembroke	07·7	-6	SE'S	4	e	60	97	60	7	8	6	3	4-6	9+	2000	1	2	65	58	*	1	Tr	2·1
Holyhead (Valley)	07·1	-4	S	3	rr	60	97	60	4	5	2	-	9+	10	500	1	2	62	58	52	-	3	*
Chester (Sealand)	08·2	-2	SE'E	1	c	60	97	59	6	7	4	-	7-8	9+	3000	1	*	61	60	57	1	1	0·0
Manchester	08·6	0	SSE	2	c/r	60	97	59	5	5	3	-	4-6	7-8	2500	1	*	62	59	58	18	0·3	*
Spurn Head	10·5	+2	SSW	3	o	60	92	58	5	5	-	-	10	10	1500	1	3	64	58	*	Tr	1	0·0
Catterick	08·3	-6	SE	1	rf	56	97	56	2	-	-	-	10	10	<150	1	*	56	54	52	15	6	0·0
Tynemouth	01·9	-2	WSW	3	m	55	92	53	4	8	-	-	9+	9+	2800	1	4	56	54	*	6	1	*
St. Abbs Head	07·1	-6	SW	1	c	55	97	55	9	5	-	-	10	10	1500	1	3	55	55	*	1	15	*
Leuchars	06·6	-6	-	0	F	56	97	56	1	-	-	-	10	10	<150	1	*	57	56	55	-	5	0·1
Renfrew (Abbots I.)	07·0	+2	E	1	m	57	97	56	4	5	-	·	9+	9+	3000	1	*		56	54	0·5	3	0·1
Eskdalemuir	07·3	-4	-	0	of-	52	92	51	2	-	-	-	10	10	<150	1	*	(58)	48	41	0·1	11	0·0
Point of Ayre	06·5	-4	S'E	2	m	60	97	59	4	5	-	-	10	10	800	1	2		56	*	2	0·1	0·0
Tiree	05·6	-8	E	2	c	56	85	54	8	5	-	-	9+	9+	3500	0	3	61	55	*	-	1	0·0
Stornoway	06·6	-24	E	2	c	55	97	55	9	5	7	-	4-6	9+	3500	0	2	57	54	*	-	-	8·6
Dalwhinnie	07·0	-18	N	1	c	53	97	52	7	5	-	-	9+	9+	1500	1	*	57	51	48	-	0·4	0·5
Aberdeen †	07·5	-12	SSE	1	f-	56	97	56	3	-	-	-	10	10	<150	1	2	57	54	53	-	7	2·6
Wick	09·6	-22	NE'E	3	rf	54	97	53	3	5	-	-	10	10	100	1	*	55	52	51	-	3	*
Sumburgh	12·9	-22	E	5	c	55	85	52	7	5	-	-	10	10	3000	0	4	54	50	44	-	-	8·6
Blacksod Point	04·5	-10	SE	1	c	58	92	56	7	-	1	-	0	10	-	1	1	61	56	*	-	0·3	*
Malin Head	05·0	-14	S	1	c	55	97	54	7	5	2	-	7-8	10	800	1	1	57	54		-	0·5	0·5
Aldergrove	06·0	-10	-	0	zo	54	97	54	6	5	-	-	10	10	2500	1	*	57	51	48	3	0·1	0·0
Birr Castle	05·6	-2	SE	1	c	49	97	48	7	5	-	-	10	10	1500	0	*	62	56	55	3	0·5	0·0
Valentia Obsy.	06·1	0	S'W	2	ido	59	97	58	6	5	-	-	10	10	800	1	2	68	59	57	0·1	0·2	1·0
Roches Point	06·1	+2	SW	2	e	61	92	59	7	5	-	-	9+	9+	1500	1	3	64	*	*	2	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 30th August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 31st August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	02055	04427	50	02855	07425	5-	03848	10328	6-	52518	08558
115				54	01854	41525	87	02944	43526	53	02844	08325
203												
206	57	02835	08557	5-	02868	06528	5-	02758	06418	6-	58638	06368
210	5-	02555	06427	57	02846	06427	5-	01638	05428	5-	49504	06358
220				07	02990	12108						
230	52	02966	06226	57	02955	07126	52	00068	09755	5-	02858	00068
245	57	02343	04427	5-	03758	37428	5-	52628	37468	5-	45218	08158
260	52	66645	06428	5-	62528	06468	5-	48348	04228	55	02755	00026
278	57	22865	09368	57	02863	30268	5-	21748	10168	5-	51638	10328
279	57	22745	05568	57	64655	08468	57	49455	13147	5-	05658	06248
285												
288				52	22447	26268	53	02761	18127	5-	51444	00048
575	52	02844	08228	57	02854	08168	5-	05658	00068	5-	62628	00068
301	62	62635	08268	5-	02767	10367	5-	47348	16128	--	67209	12269
321	5-	21738	29358	5-	02748	00028				53	62445	00067
299	--	48009	06449	5-	03748	24248	5-	02746	20128			
292	5-	63538	10956	52	05635	28268	51	05546	12128	5-	08428	14258
310										--	44209	20349
614	52	05538	04228	5-	05538	04168	53	47337	00048	53	08446	18168

III	13h. G.M.T. 30th August $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 31st August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
333	52	02865	08288	57	02765	10228	52	21635	20158	57	02845	17368
334										--	02755	00017
340	5-	05658	02228	02	61548	10228	5-	45335	15248	5-	22445	14348
136	53	05635	24155	96	81556	28197	03	05690	17283	5-	05628	19328
336												
350	36	25666	05267	98	10745	26397	3-	05537	17267	53	05635	17227
368	36	01753	08164	5-	02755	24216	5-	05657	24227	57	61645	20128
379	3-	81538	01288	82	02845	12297	5-	45308	18248	--	48309	13349
390	97	02753	16325	39	22763	20368	5-	05548	16229	57	05546	16147
882	87	02855	17326	9-	02856	28226				52	02746	15228
438	77	02743	20315				57	02764	22215	--	46009	22349
430	5-	02746	16226	86	02854	18125	53	05556	00027	5-	54638	20168
409	36	02953	31325	84	10844	25214	5-	05617	12387	89	22865	18357

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ See disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 31st August. Day 7h—18h Kew and Croydon, 9h—18h Kensington 9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	cmocbc	bcproc	cbcrorm o
Croydon	cmoc	crroc	bccroro
Greenwich	c	cpbcc	bbcrr
Camden Square	c	c	*
Kensington	bc	bc	*
Hampstead	bcp	or	or

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended [illegible] Max. [illegible] <0.1 [illegible] Min. Time period.

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	72	57	50	Tr	0·1	3·7	*	*
Croydon	73	57	53	Tr	2	5·1	*	*
Greenwich	75	56	47	0·3	1	2·9	70	94
Westminster	73	59	57		1		76	98
Regents Park	75	58	51	-	1		63	94
Camden Square	76	59	55	-	1	*	*	93
Kensington	74	58	52	Tr	1		76	94
Hampstead	73	57	53	Tr	1		*	99