M.O. Form 2373

SECRET

THE DAILY WEATHER REPORT

BRITISH SECTION

1st October to 31st December

1943

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

INTRODUCTION

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

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

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

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

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

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

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

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

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

0	...	0.	7	... More than 9 but with openings.
1	...	Trace.		
2	...	1 tenth.	8	... 10 tenths.
3	...	2, 3 tenths.	9	... Sky obscured by fog, dust storm or other phenomenon.
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.		
2	... ,, flooded.	8	... ,, covered with snow, less than 6 ins. deep but ground frozen.
3	... ,, frozen hard and dry.		
4	... ,, partly covered with snow or hail.	9	... ,, covered with snow greater than 6 ins. deep.
5	... ,, covered with ice or glazed frost.	–	... Fresh snow has fallen on the mountains.
6	... ,, covered with thawing snow.		

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

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

Form of 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.

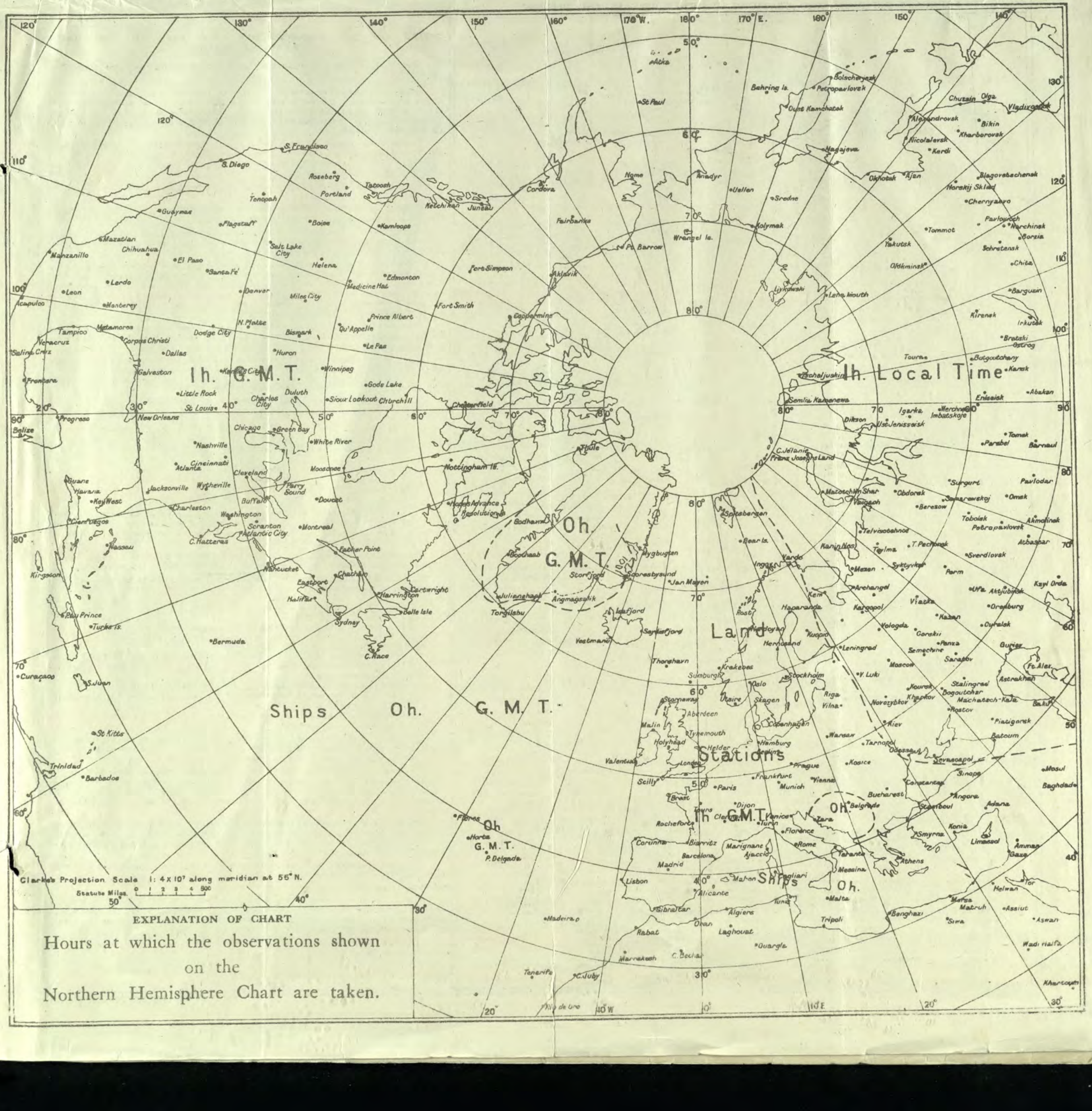
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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.


1h. G.M.T.
1h. Local Time
Oh. G.M.T.
Ships Oh. G.M.T.
Land Stations
Ships Oh.
Clarke's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
Statute Miles. 0 1 2 3 4 800
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.

Scale 1:5,000,000.

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.

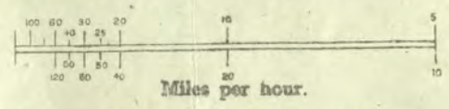
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the 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 ,, ,, $1 : 5 \times 10^6$,,



Miles per hour.

This scale applies under the following conditions:—

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

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

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

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

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

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

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

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

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 3 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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DUPLICATE

SECRET

THE DAILY WEATHER REPORT

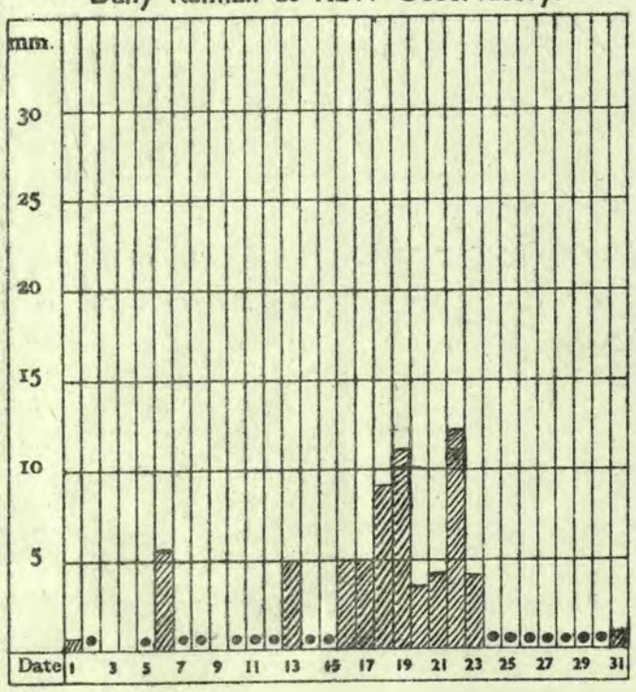
OF THE METEOROLOGICAL OFFICE, LONDON

MONTHLY SUPPLEMENT, October 1943 No. 322

Mild; unsettled and wet in North and West; foggy in East and South.

Disturbed, cyclonic weather prevailed most of the month, except in East and South England where frequent extensions of the continental anticyclone gave rise to much quiet, foggy weather. The mean pressure distribution shows a pronounced southwesterly gradient. During the first six days a more westerly type prevailed giving rain in northern districts while the South enjoyed some sunny days. Winds were moderate or fresh and reached gale force at exposed places in the north. On the 7th. a large ridge developed giving fine sunny conditions in most places with ground frost and local fog inland at night. By the 8th a small anticyclone over the North Sea extended over England giving foggy conditions in the East and South, while further depressions maintained disturbed weather in the West. Extensions of the Azores anticyclone on the 11th and 13th gave Ireland and S.W. England a welcome change. From the 16th to 18th a depression S.W of Ireland moved N and then NW. and its associated fronts brought very unsettled weather to all districts. Another deep depression developed off SW Ireland on the 19th, followed the same track and by the 20th had become stationary off NW Ireland with very unstable, moist air circulating round it and producing very frequent showers everywhere with local thunderstorms. Winds were generally strong and reached gale force in exposed places in the SW. This depression began to fill up on the 22nd and wind and showers abated. Small secondaries over the Irish and North Seas maintained wet weather in some areas until the 24th when the main Low moved away northeastwards leaving a very flat distribution over most of Britain with poor visibility generally and local fog. A col persisted over England up to the 25th maintaining the foggy conditions and moving slowly southward until by the 27th only the SE. tip was affected; on the 28th the continental anticyclone again spread westwards and brought back foggy conditions to the East and South, while establishing a southerly type, with cyclonic weather affecting the Atlantic Seaboard, until the end of the month. Mean temperature was mostly above average and the small range in day maxima is worthy of note, being as little as 7° at Valentia and mainly about 12°. Mean maxima exceeded the average by 4° at some stations, a record for Ross-on-Wye since 1921. Frequency of Fog at 7h at Croydon and Cranwell (10 occasions each) is outstanding, not having been equalled for at least 12 years.. The nights were not a great deal colder than those of September but ground frosts were somewhat more frequent. Rainfall was well over average in Ireland, West Scotland and NW England and Wales, elsewhere it was below average. With a few exceptions Sunshine was below average everywhere.

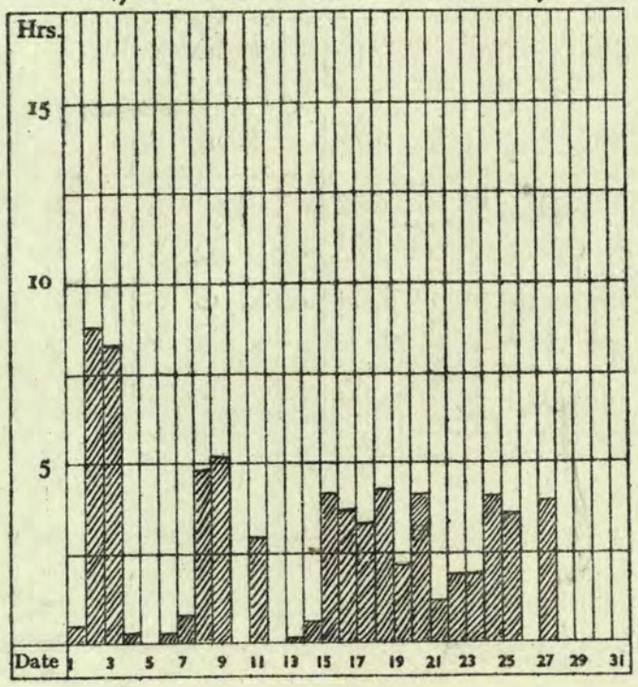
Daily Rainfall at KEW Observatory.



● = less than 0·5 mm.

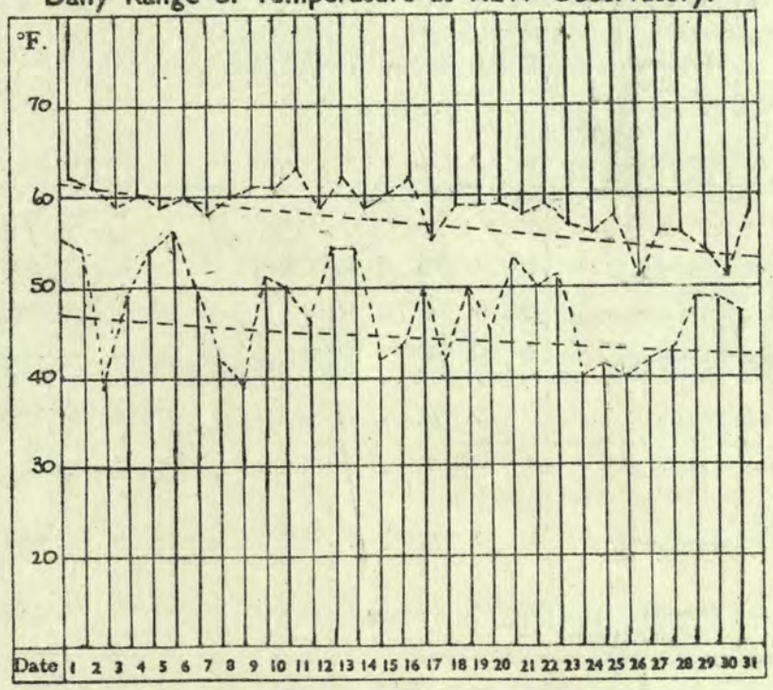
RAINFALL. Total for Month. 66 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 70 hrs.

Daily Range of Temperature at KEW Observatory.



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

MEAN VALUES FOR THE MONTH.*

Stations.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb	mb.	°F.	°F.
Kew	1015·0	+1·0	53·0	+1·4
Aberdeen	1008·3	−2·7	50·7	+2·9
Valentia	1007·8	−4·8	52·6	−0·1

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

WIND FREQUENCIES at 7 hr.

Kew	Aberdeen	Valentia
5	2	0

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

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

	miles.
Kew ...	4,562
Aberdeen ...	6,833
Lerwick ...	14,724
Valentia ...	

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District	Stations	† TEMPERATURE. Number of daily readings within fixed limits. Maximum. 33°-41°	42°-50°	51°-59°	60°-68°	69°-77°	Average Maximum. °F.	Minimum. 24°-32°	33°-41°	42°-50°	51°-59°	60°-68°	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	0	21	10	0	57.5	0	5	17	9	0	48.7	63	11	51	{26, 30}	56	6	39	{3, 9}	7	7	24	0	0	27	2	2	24	0	1	6	1	6	4	0	0	3	4	17
	Croydon ...	0	0	13	18	0	57.0	0	5	14	12	0	45.1	65	10	52	30	57	1	38	3	0	8	19	1	5	22	0	2	21	1	3	4	3	6	7	0	0	6	2	16
	Thorney Island	0	0	4	27	0	57.8	0	4	18	9	0	47.4	67	{2, 11}	58	14	57	1	34	3	1	2	21	0	1	27	1	0	21	0	0	3	1	6	17	0	0	0	1	22
	Lympne ...	0	0	11	*2	0	56.5	0	1	19	11	0	45.4	60	{20, 21}	55	{25, 31}	55	{11, 16}	39	3	0	5	21	0	3	25	1	6	18	0	0	4	1	4	12	0	0	0	7	15
2	Shoeburyness...	0	0	14	16	1	58.4	0	4	16	11	0	45.1	69	1	51	30	56	6	39	25	0	7	19	0	3	26	1	3	23	0	0	3	2	5	10	0	1	0	1	16
	Gorleston ...	0	0	17	13	1	57.1	0	3	12	16	0	46.5	69	2	52	28	56	{2, 6}	39	29	0	3	23	0	2	28	0	1	28	0	0	1	2	2	15	0	1	1	0	18
	Cranwell ...	0	1	17	13	0	56.1	2	11	15	3	0	43.0	65	1	49	28	56	1	31	8	6	9	13	0	6	24	0	6	18	0	0	4	6	3	7	1	1	3	0	15
3	Birmingham ... (Edgbaston)	0	2	22	7	0	54.5	0	6	21	4	0	44.2	64	9	49	14	56	6	39	{8, 18, 26}	4	4	18	0	4	25	0	6	18	0	0	2	5	6	6	0	1	2	1	20
4	Ross-on-Wye...	0	0	16	15	0	56.7	2	10	14	5	0	44.2	66	10	54	14	57	1	30	26	6	5	24	0	1	29	0	2	25	0	0	4	3	2	15	0	0	0	0	22
5	The Lizard ...	0	0	24	7	0	*	0	1	11	19	0	*	62	10	53	17	57	6	41	26	*	4	27	0	1	30	0	2	29	0	0	0	3	0	22	0	0	0	2	23
7	Holyhead ... (Valley)	0	0	24	7	0	55.5	0	5	16	10	0	49.5	64	29	54	17	56	1	37	{8, 14}	2	4	23	0	4	24	1	4	22	0	0	0	0	0	28	0	0	0	0	26
8	Chester ... (Sealand)	0	0	22	9	0	56.5	0	10	16	5	0	43.8	66	1	52	29	59	1	33	14	8	2	22	0	0	29	0	2	26	0	0	0	6	6	8	0	0	0	0	17
10	Tynemouth ...	0	0	25	6	0	54.6	0	6	16	9	0	45.3	65	5	52	{13, 24, 29}	58	6	40	{7, 8, 25}	1	0	18	0	1	29	0	0	28	0	0	0	3	3	7	0	0	1	7	10
11	Leuchars ...	0	0	26	5	0	53.8	0	10	17	4	0	41.4	62	1	51	{22, 23}	53	27	35	7	6	6	19	3	6	21	0	8	20	0	0	0	0	3	11	0	0	0	0	16
12	Renfrew ...	0	1	28	2	0	53.6	0	6	19	6	0	41.9	60	51 {29}	47	17	55	{27, 28}	35	{14, 25}	5	6	24	0	6	25	0	6	23	0	0	0	3	5	8	0	0	1	0	16
	Eskdalemuir ...	0	5	26	0	0	51.1	2	11	18	0	0	39.6	58	10	48	17	50	27	26	14	10	20	10	0	10	21	0	9	20	0	0	0	4	1	9	0	0	0	0	16
13B	Stornoway ...	0	0	30	1	0	51.7	0	6	19	6	0	42.7	60	9	52	{2, 6, 17, 25}	53	{10, 27, 29}	38	24	*	9	21	0	6	24	0	7	23	0	0	0	0	0	19	0	0	0	0	24
15	Aberdeen ...	0	0	28	3	0	53.0	0	6	17	8	0	42.6	63	1	51	25	52	{10, 28}	33	{14, 25}	2	3	24	0	4	26	0	4	22	1	0	0	1	1	16	0	0	0	0	19
18	Aldergrove ...	0	1	28	2	0	54.0	0	9	14	8	0	43.2	62	1	47	17	55	10	33	24	4	3	25	0	4	25	1	8	21	1	0	0	2	0	24	0	0	1	0	26
19	Birr Castle ...	0	0	26	5	0	55.8	2	6	10	13	0	43.7	64	1	54	{15, 17, 19}	55	{10, 27, 28}	31	13	5	6	19	0	4	26	0	4	24	0	0	0	0	0	31	0	0	0	0	31
20	Valentia ... (Cahirciveen)	0	0	31	0	0	56.5	0	5	13	13	0	48.8	59	{5, 29}	52	16	56	31	38	13	0	6	25	0	8	23	0	8	23	0	0	0	0	0	24	0	0	0	0	21

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	1760	46.6	48.9	62	46.9	62	48.1	31
850	4740	37.9	41.5	62	38.5	62	40.6	31
750	8040	30.1	33.9	62	30.7	62	33.5	31
650	11750	19.4	23.3	62	19.7	62	22.8	31
550	15980	5.7	8.7	62	5.7	62	8.4	31

UPPER WINDS.

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

Station.	Height. Metres.	Lympne. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Exeter. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Holyhead (Valley). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Prestwick. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Station. Height. Metres.
			kilometres per hour.						kilometres per hour.						kilometres per hour.						kilometres per hour.					
500 above ground		30	15	15	0	0	0	51	23	20	6	0	0	40	16	17	5	2	0	57	17	25	11	1	0	500 above ground.
1000 above M.S.L.		19	12	6	1	0	0	40	19	14	3	0	0	22	12	9	1	0	0	43	14	20	7	1	0	1000 above M.S.L.
2000 " "		5	3	2	0	0	0	18	8	6	2	0	0	6	3	3	0	0	0	19	9	7	1	0	0	2000 " "
3000 " "		1	1	0	0	0	0	6	5	1	0	0	0	3	2	1	0	0	0	4	2	2	0	0	0	3000 " "
4000 " "		1	0	1	0	0	0	2	2	0	0	0	0	1	1	0	0	0	0	1	0	1	0	0	0	4000 " "

* Max. thermometer broken 5.9.43, replaced 13.10.43.

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

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

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

SUNSHINE, RAINFALL, AND HUMIDITY ..... October ..... 1943.

District	Stations.	SUNSHINE. Number of Days with Duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months. Hours.	Difference from average. Hours.	Total for Month. Hours.	Difference from average. Hours.	Highest and Lowest Totals on record for Month. First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.
1	London ... (Kew Obsy).	8	11	10	2	0	8·7	2	1439	-30	70	-26	1880	153	1921	50	1894
	Croydon ...	3	15	8	4	1	9·2	3	1634	+109	93	-11	1922	184	1921	75	1934
	Thorney Island **	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	5	12	8	5	1	10·8	3	1856	+91	100	-19	1921	184	1921	76	1934
2	Shoeburyness ...	5	12	6	7	1	9·9	3	1720	+4	99	-24	1919	191	1920	77	1934
	Gorleston ...	3	14	6	7	0	8·1	3	1628	-15	99	-16	1908	183	1920	71	1932
		(Not recorded on 20th)															
	Cranwell ...	7	6	10	8	0	8·9	2	1629	+91	106	-8	1921	160	1931	75	1937
3	Birmingham ... (Edgbaston)	7	7	12	4	1	9·1	2	1425	+121	95	+4	1887	149	1921	27	1894
4	Ross-on-Wye ...	2	13	8	8	0	8·8	7	1537	+52	110	+11	1915	156	1919	37	1915
5	Falmouth ... (Observatory)	5	11	8	4	3	10·4	2	1657	-53	103	-10	1881	159	1919	81	{1886 1924
7	Holyhead (Valley)	*	*	*	*	*	*	*	*	*	*	*	1914	128	{1922 1931	61	1916
8	Chester ... (Sealand)	5	13	7	4	2	9·6	7	1656	+280	108	+17	1923	127	1931	68	1940
10	Tynemouth ...	*	*	*	*	*	*	*	*	*		*	1935	*		*	*
11	Leuchars ...	5	14	5	6	1	9·1	7	1577	+107	98	-8	1922	139	1926	63	1940
12	Renfrew ...	9	10	9	3	0	8·9	7	1294	+101	75	-3	1921	102	1923	30	1940
	Eskdalemuir ...	11	11	5	4	0	7·8	7	1198	-3	67	-16	1910	119	1931	48	1940
13B	Stornoway ...	13	9	6	3	0	6·8	24	1040	-175	53	-24	1881	135	1898	34	1921
15	Aberdeen ...	12	9	3	6	1	9·1	7	1356	+27	81	-13	1881	139	1923	47	1886
18	Aldergrove ...	12	5	7	7	0	8·6	13	1353	+27	94	+9	1927	117	1939	54	1940
19	Birr Castle ...	8	8	11	4	0	8·2	11	1220	-86	89	-1	1881	138	1899	45	1916
20	Valentia ... (Cahirciveen)	10	11	4	6	0	9·0	7	1251	-117	82	-8	1880	166	1880	50	1916

District	Stations.	RAINFALL. ‡Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hours. mm.	Date.	Total for past 12 months. mm.	Difference from average. mm.	Total for Month.‡ mm.	Difference from average mm.	Highest and Lowest Totals on record for Month. First year of record.	Highest. mm.	Year.	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London ... (Kew Obsy).	18	3	6	4	0	0	12	22	564	-42	66	-5	1856	156	1865	11	1921	1	0
	Croydon ...	14	8	4	4	1	0	18	21	648	-31	73	-3	1921	154	1939	17	1921	2	0
	Thorney Island **	16	4	6	2	3	0	18	19	645	-48	91	-1	1881	201	1903	10	1897	1	0
	Lympne ...	18	4	5	4	0	0	15	19	617	-107	53	-46	1920	276	1939	7	1921	0	0
2	Shoeburyness ...	22	2	4	2	1	0	22	21	525	+22	49	-11	1920	173	1939	12	1931	0	0
	Gorleston ...	23	2	4	2	0	0	9	21	522	-100	35	-39	1871	219	1892	7	1920	1	0
	Cranwell ...	18	6	4	3	0	0	9	22	506	-84	38	-35	1917	114	1924	14	1931	1	0
3	Birmingham ... (Edgbaston)	16	5	6	4	0	0	11	19	657	-17	47	-24	1893	166	1903	12	1922	0	0
4	Ross-on-Wye ...	18	5	5	2	1	0	18	19	719	+2	49	-35	1859	216	1907	14	{1904 1922	2	0
5	Falmouth ... (Observatory)	10	11	4	6	0	0	15	31	943	-164	64	-62	1871	274	1924	18	1931	0	0
7	Holyhead (Valley)	13	3	4	3	2	0	24	17	940	+53	126	+25	1871	265	1872	37	1879	1	0
8	Chester ... (Sealand)	14	5	5	5	2	0	17	16	761	+123	94	+20	1922	121	1932	11	1922	0	0
10	Tynemouth ...	16	8	4	2	1	0	16	22	558	-63	49	-27	1915	144	1939	31	1922	0	0
11	Leuchars ...	14	7	5	5	0	0	11	17	598	-55	64	-2	1922	158	1932	25	1931	0	0
12	Renfrew ...	7	6	6	8	3	1	48	3	1229	+290	201	+114	1921	211	1935	51	1922	0	0
	Eskdalemuir ...	7	3	8	5	6	2	49	5	1791	+362	256	+119	1910	300	1928	46	1914	2	0
13B	Stornoway ...	3	3	9	14	1	1	31	1	1359	+158	193	+68	1870	259	1874	47	1915	0	0
15	Aberdeen ...	15	6	6	4	0	0	11	31	653	-95	53	-23	1871	169	1932	18	1889	1	0
18	Aldergrove ...	9	7	7	8	0	0	15	31	873	+35	104	+28	1926	146	1938	51	1939	0	0
19	Birr Castle ...	10	6	9	6	0	0	15	19	832	+5	83	+9	1862	185	{1870 1938	16	1869	0	0
20	Valentia ... (Cahirciveen)	4	4	9	10	3	1	29	19	1389	-25	214	+72	1866	272	1916	51	1905	0	0

MINIMUM SURFACE HUMIDITY.

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

Stations.	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew) ...	0	1	7	9	8	4	2	0	0	0
Ross-on-Wye ...	0	0	3	8	12	6	2	0	0	0
Falmouth (Obsy.)	3	3	15	5	3	2	0	0	0	0
Renfrew ...	0	2	3	16	8	2	0	0	0	0
Eskdalemuir ...	0	2	9	3	10	4	3	0	0	0
Aberdeen ...	0	0	11	13	3	2	2	0	0	0
Valentia ... Plymouth	1 0	4 1	11 11	11 5	2 3	2 5	0 0	0 0	0 0	0 0

STATE OF GROUND AT 18 h.

No. of Days each Type was recorded

Stations.	0	1	2	3	4	5	6	7	8	9
London (Kew)...	0	31	0	0	0	0	0	0	0	0
Ross-on-Wye ...	0	31	0	0	0	0	0	0	0	0
Renfrew ...	0	26	5	0	0	0	0	0	0	0
Eskdalemuir ...	0	28	3	0	0	0	0	0	0	0
Aberdeen ...	1	30	0	0	0	0	0	0	0	0
Valentia ...	0	30	0	0	1	0	0	0	0	0

CODE for State of Ground.

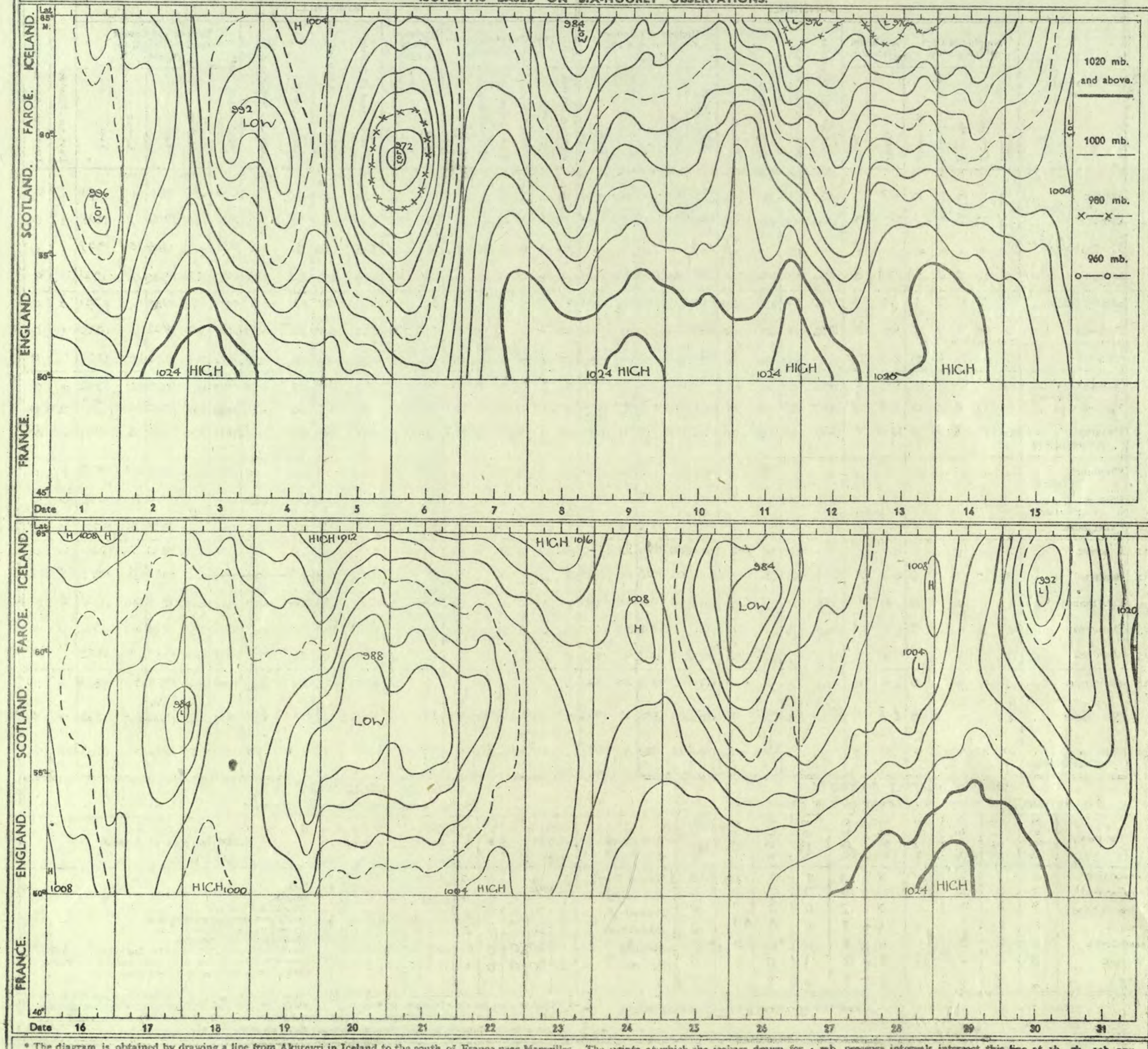
0 Dry.
1 Wet.
2 Flooded.
3 Frozen hard and dry
4 Partly covered with snow or hail.
5 Covered with ice or glazed frost
6 Covered with thawing snow.
7 Covered with snow, less than 6 in., but ground not frozen
8 Covered with snow, less than 6 in., and ground frozen.
9 Covered with snow, greater than 6 ins.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

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

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

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

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



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

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

M.501/4508 ... 3/44

SECRET

Page 1

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

Friday 1st October 1943 — No. 29806

OBSERVATIONS at 13h. G.M.T. 30th September

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	17·7	-6	SW	2	Z_0	59	92	57	6	5	-	-	10	10	1500
	Croydon ...	19·1	-2	S	2	c/d	60	97	59	5	5	-	-	10	10	800
	S. Farnborough	18·1	-6	W'S	3	Z_0	62	85	59	6	5	7	-	9	9+	1100
	Boscombe Down	18·3	-6	WSW	2	c	63	85	60	7	5	7	-	7-8	10	1000
	Thorney Island	18·5	-6	SSW	2	c	64	92	61	7	5	-	-	10	10	1500
	Lympne ...	18·9	-4	SW'W	3	Z_0	61	85	57	6	6	2	-	9	10	800
	Manston ...	18·1	-10	SW'W	4	Z_0	65	75	56	6	5	7	-	4-6	10	1500
2	Shoeburyness ...	18·1	-10	SW	2	Z_0	63	85	57	6	5	-	-	9+	9+	2000
	Felixstowe ...	17·6	-6	SSW	4	Z_0	62	85	57	5	6	-	-	10	10	4000
	Gorleston ...	16·9	0	SW'W	3	pr	61	85	56	6	5	-	-	10	10	1200
	Mildenhall ...	16·3	-6	SW'S	4	c/r	60	92	59	6	5	-	-	10	10	1500
	Cranwell ...	15·8	-4	WSW	2	c/d	59	92	58	5	5	-	-	10	10	1500
3	Birmingham ...	16·2	-4	WSW	2	c	62	85	57	8	5	-	-	10	10	1500
	Upper Heyford	16·8	-6	SW'W	3	Z_0	62	92	59	6	5	-	-	10	10	1000
4	Ross-on-Wye	16·8	0	W'S	3	Z_0	63	86	57	6	5	1	-	9+	10	2000
5	Hartland Point	18·7	0	WSW	3	id	58	97	58	5	5	-	-	10	10	300
	Bristol ...	18·5	+2	WSW	3	c	61	75	53	7	5	7	-	9	10	1300
	Portland Bill ...	19·2	+4	W	2	c	62	92	60	8	2	4	-	4-6	10	4000
	Plymouth ...	20·1	-2	WNW	3	c	63	85	59	7	5	-	-	9+	10	1000
	The Lizard ...	21·0	0	WNW	3	if	59	92	57	3	5	-	-	10	10	800
	Scilly (St. Mary's)	21·3	-2	W	4	if	59	97	58	5	5	-	-	10	10	800
	Guernsey ...															
6	Pembroke ...	18·7	-2	W	4	bc	58	97	57	4	5	-	-	10	10	600
7	Holyhead (Valley)	15·7	-6	SW'W	4	c	60	92	57	8	5	7	-	4-6	9+	2000
	Chester (Sealand)	15·1	-10	W	2	c	63	75	56	7	5	3	-	9	9+	2000
8	Manchester ...	16·3	-6	S'E	3	c/d	58	92	57	4	5	2	-	9	10	800
10	Spurn Head ...	15·4	-4	SW	3	Z_0	61	76	53	6	7	3	-	4-6	7-8	2500
	Catterick (Sc) ...	13·6	-8	SSW	1	c-bc	60	85	55	9	5	3	8	2-3	7-8	3500
	Tynemouth ...	13·6	-8	SW	3	Z_0	60	66	46	6	8	3	-	4-6	4-6	2600
11	St. Abbs Head	10·6	-12	SSW	3	c-bc	58	65	47	8	2	6	-	4-6	7-8	3500
	Leuchars ...	09·4	-14	SW	4	Z_0	59	65	49	6	8	3	1	4-6	7-8	2000
12	Renfrew (Abbots I.)	10·2	-12	SW'S	4	c	57	85	51	7	5	2	-	9	10	1200
	Eskdalemuir ...	11·5	-16	S	4	c	55	75	48	8	5	4	-	9+	9+	1400
	Point of Ayre ...	13·2	-8	W	5	c	60	85	56	8	6	7	-	7-8	10	1500
13A	Tiree	07·1	-24	SSW	6	d_0d_0	56	97	56	5	6	-	-	10	10	300
13B	Stornoway ...	01·6	-34	SW	7	c	55	85	50	8	5	7	-	7-8	9+	1200
15	Dalwhinnie ...	08·3	-16	SW	4	bc	56	75	46	8	8	4	-	4-6	4-6	2500
	Aberdeen ...	08·0	-14	S	3	c	55	75	48	7	5	-	6	7-8	9+	5500
	Wick ...	05·9	-14	SSW	4	c	53	92	52	8	5	-	-	10	10	3500
16	Sumburgh ...	03·1	-10	SW	6	c/pr	52	85	48	8	8	3	-	9	9+	2000
17	Blacksod Point	12·7	+4	WSW	4	c	58	97	57	7	6	-	-	10	10	1500
18	Malin Head ...	09·1	-14	SW'S	4	ir_0	58	92	56	7	5	-	-	10	10	1500
	Aldergrove ...	12·2	-12	SW.S	3	c	57	92	55	8	5	-	-	10	10	700
19	Birr Castle ...	14·5	-10	SW	3	id	60	92	58	7	5	-	-	10	10	1500
20	Valentia Obsy.	18·1	-4	SW'S	4	d_0d_0	58	97	56	6	5	-	-	10	10	600
	Roches Point	17·8	-6	W	2	c	62	92	60	8	5	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 30th September

District	Stations	Barom. at M.S.L. ·mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	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)	17·2	+6	WSW	2	Z_0	62	85	59	6	5	7	-	7-8	9+	1500	1	•
	Croydon ...	17·9	-4	SW	3	Z_0	63	85	59	6	5	-	-	7-8	9+	1200	0	•
	S. Farnborough	17·3	+2	W'N	3	c	63	85	59	7	5	7	-	7-8	9	800	0	•
	Boscombe Down	18·2	+6	WSW	1	c	60	92	57	8	5	7	-	4-6	9+	1000	0	•
	Thorney Island	18·1	-2	SW	2	Z_0	61	92	59	6	6	7	2	4-6	7-8	1500	1	•
	Lympne ...	18·1	0	SW'W	2	m	59	97	59	4	5	2	-	7-8	10	300	1	2
	Manston ...	17·3	-6	SSW	3	Z_0	60	97	59	5	5	-	-	9+	10	1000	0	•
2	Shoeburyness ...	17·2	-4	SW	2	Z_0	61	92	59	5	5	-	-	10	10	2500	1	•
	Felixstowe ...	16·5	-2	SSW	3	Z_0	60	92	58	5	5	-	-	10	10	2600	0	4
	Gorleston ...	15·6	-2	WSW	2	id_0	60	97	59	4	6	-	-	10	10	600	1	3
	Mildenhall ...	15·5	-2	S'W	2	Z_0	62	97	61	5	5	-	-	10	10	900	1	•
	Cranwell ...	14·5	0	WSW	2	Z_0	60	92	57	6	-	7	-	0	7-8	-	1	•
3	Birmingham ...	15·5	-2	WSW	2	c	61	85	57	8	5	7	-	7-8	9+	1500	1	•
	Upper Heyford	16·1	0	WSW	2	Z_0	61	85	57	6	5	4	2	4-6	9	1200	0	•
4	Ross-on-Wye	16·7	0	SW	3	Z_0	61	85	58	6	5	-	1	9+	9+	2000	1	•
5	Hartland Point	17·5	-8	WSW	3	o/d	58	97	58	6	5	-	-	10	10	500	1	4
	Bristol ...	18·3	+2	WSW	3	c	59	92	57	7	5	-	-	9	10	800	0	•
	Portland Bill ...	17·8	-6	W	3	c-bc	60	92	58	8	5	-	-	7-8	7-8	4000	1	3
	Plymouth ...	19·4	0	NW	3	c	61	85	57	6	5	7	-	0	9+	1800	1	1
	The Lizard ...	19·9	+2	WNW	2	df	58	97	58	2	5	-	-	10	10	400	1	3
	Scilly (St. Mary's)	20·1	-6	WNW	3	df	58	97	58	2	-	-	-	10	10	<150	1	4
	Guernsey ...																	
6	Pembroke ...	17·0	0	W'S	5	c-bc	58	97	57	8	5	4	-	4-6	7-8	2500	0	3
7	Holyhead (Valley)	14·2	-6	SW'S	5	c	59	92	57	8	5	7	-	4-6	10	1000	1	3
	Chester (Sealand)	14·2	-6	SW	2	c	63	85	56	8	5	7	-	9	10	2000	0	•
8	Manchester ...	14·5	-2	SW'S	3	c	59	92	56	7	5	3	2	7-8	9+	3000	1	•
10	Spurn Head ...	14·0	-6	SW'W	4	Z_0	60	85	55	6	7	3	-	4-6	9	2500	0	3
	Catterick (Sc) ...	12·3	-6	WSW	4	c/r	59	92	57	8	5	7	-	4-6	9	1800	0	•
	Tynemouth ...	11·8	-6	SW	2	Z_0	61	85	56	6	8	-	-	7-8	7-8	2600	1	2
11	St. Abbs Head	07·4	-12	SW	5	c	57	85	53	8	5	7	-	7-8	9+	2500	0	3
	Leuchars ...	06·5	-16	WSW	4	ir	56	92	55	7	5	3	5	4-6	9+	300	1	•
12	Renfrew (Abbots I.)	08·2	-6	W'S	6	bc/d	56	85	52	8	8	7	2	4-6	4-6	1800	1	•
	Eskdalemuir ...	08·8	+4	SW	4	rr	55	97	54	6	6	2	-	7-8	10	700	1	•
	Point of Ayre ...	12·0	0	W'N	5	c	58	97	57	8	5	7	-	4-6	10	1500	0	3
13A	Tiree	08·9	+20	W'S	4	bc	51	85	47	8	8	-	9	4-6	4-6	2000	1	4
13B	Stornoway ...	02·8	+30	WSW	6	c-bc	51	75	44	8	8	8	-	4-6	7-8	1200	1	4
15	Dalwhinnie ...	06·0	-2	WSW	4	c	52	75	44	8	5	-	-	9+	9+	2500	0	•
	Aberdeen ...	04·6	-12	SW	4	c	57	85	51	7	5	4	9	4-6	9	4000	1	1
	Wick ...	01·4	-4	SW	5	b/r	54	92	53	8	5	6	-	Tr	Tr	2500	1	•
16	Sumburgh ...	97·5	-36	SW'S	5	r_0r_0	52	97	51	7	6	7	-	1	10	1000	1	4
17	Blacksod Point	13·0	+2	WSW	3	c	56	92	54	7	5	-	-	10	10	1500	1	3
18	Malin Head ...	10·1	+12	W'S	5	pr	55	97	54	8	8	-	-	10	10	1500	2	4
	Aldergrove ...	11·9	+4	WSW	3	c	57	85	53	8	5	7	-	4-6	9+	800	1	•
19	Birr Castle ...	14·4	0	WSW	2	c-bc	58	85	54	8	8	7	-	4-6	7-8	1500	1	•
20	Valentia Obsy.	16·5	-8	SW	4	d_0d_0	57	97	57	6	5	-	-	10	10	400	1	3
	Roches Point	16·6	-2	W	3	c-bc	61	85	57	8	5	-	-	7-8	7-8	1500	1	3

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 30th.... (39)	Weather. 13h.–18h. ...30th (40)	Weather. 18h. 30th to 1h. ...1st of t. (41)	Weather. 1h.–7h. 1st. (42)
1	London (Kew)	$id_0d_0cm_0cm_0$		cm_0cbw	b_1cm_0w
	Croydon ...	$cm_0sd_0d_0m_0cm_0$		$cbcm_0$	$bbrcm_0$
	S. Farnborough	$cfmm_0d_0$	cm_0c	$cbcw$	ccm_0w
	Boscombe Down	of_0sr_0c	c	$cbcbmbfom_0$	bcm_0cbc
	Thorney Island	cd_0d_0fmc	cm_0	cm_0wbcm_0w	cm_0bcw
	Lympne ...	cm_0	cm_0cm	$cmcfbfw$	cm_0
	Manston ...	cm_0z_c	coz_0m_0	$bcbm_0w$	bm_0cm_0w
2	Shoeburyness ...	cm_0	$cm_0d_0cm_0$	cm_0	cm_0w
	Felixstowe ...	$omcm_0$	cm_0d_0q	bm_0cmw	bm_0m_0w
	Gorleston ...	$cod_0d_0opr_0$	$opri_0d_0o$	dbc_0	$bcxz$
	Mildenhall ...	cir_0m_0	cm_0	cm_0bm_0	bcm_0bm_0
	Cranwell ...	$cr_0r_0d_0m_0$	$cd_0d_0mcm_0$	bcm_0	cm_0bcm_0
3	Birmingham ...	cir_0	c	$cbcc$	c
	Upper Heyford	$afodfom_0$	om_0c	$cmbcm_0$	bm_0cm_0w
4	Ross-on-Wye	cd_0cc	c	$bbcc$	ci
5	Hartland Point	m_0ido	m_0ido	$idod$	cir
	Bristol ...	cm_0c	co	$cmjidbc$	ccm_0id_0c
	Portland Bill ...	oc	c	cc	$ccpr$
	Plymouth ...	$qcmc$	c	$cciid_0$	$cmjdd_0$
	The Lizard ...	$ffcif$	$ifodf$	cr_0r_0	cr_0o
	Scilly (St. Mary's)	$ffifco$	odf	cr_0r_0c	cr_0c
	Guernsey ...				
6	Pembroke ...	qfo	cf	c	cqv
7	Holyhead (Valley)	bcc	c	$cbcbcbc$	$cir_0d_0d_0$
	Chester (Sealand)	$cidom_0$	c	cm_0	$cbccm$
8	Manchester ...	cid_0ir_0m	cmm_0	bcb	d_0d_0mcbc
10	Spurn Head ...	bcm_0	cm_0	bcm_0	cm_0
	Catterick (Sc) ...	c	$cbcir_0c$	c	$ecmbc$
	Tynemouth ...	$cbcm_0$	bcm_0	cpc	$cbcm_0$
11	St. Abbs Head	$ccid_0m_0$	d_0d_0c	bcc	bcd_0d_0
	Leuchars ...	cd_0d_0c	cir_0cprc	$cbccbc$	$cir_0cr_0r_0$
12	Renfrew (Abbots I.)	cm_0bcm_0	$bcqm_0c$	$bccm_0$	cid_0
	Eskdalemuir ...	c	crr_0r	$irogf$	brf
	Point of Ayre ...	c	c	b	bbc
13A	Tiree	$ccid_0m_0$	d_0d_0c	bcc	bcd_0d_0
13B	Stornoway ...	cd_0d_0c	cir_0cprc	$cbccbc$	$cir_0cr_0r_0$
15	Dalwhinnie ...	c	$bcpr_0c$		cid_0
	Aberdeen ...	c	c	$cbcb$	$bbcc$
	Wick ...	c	$ccir_0b$	bcb	$ccir_0$
16	Sumburgh ...	cpr_0c	cpr_0	$cqpr_0$	cbr_0c
17	Blacksod Point	c	c	d	r
18	Malin Head ...	t	r	c	r
	Aldergrove ...	c	cr_0r_0c	$cbcc$	$ccidm_0c$
19	Birr Castle ...	d	d	•	pr
20	Valentia Obsy.	t	d	r	r
	Roches Point	e	c	d	d

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

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

Moderate or fresh south to southwest winds, strong to gale in west and north. Cloudy, with occasional drizzle; much hill fog especially in west and south. Rather cold.

Districts	
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

Fresh or strong south to southwest winds, gale at times, veering west and moderating; cloudy, with rain and drizzle at times and much hill fog; cloud breaking from northwest but risk of renewed outbreak of rain later; rather cold.

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

Strong to gale, south to southwest winds, veering and moderating; cloudy with rain or drizzle at times, much hill fog; variable cloud later, with showers in north and northwest. Rather cold.

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

Districts	
19	S. E. Ireland
20	S. W. Ireland

As 7-12

GENERAL INFERENCE

A deepening depression of Northwest Ireland is moving northeast and pressure is high to the south of the British Isles. There will be strong to gale winds over all but southeastern districts, veering and moderating later in the North and West. Weather will be cloudy generally with much hill fog and some rain in most districts, but cloud will break later in North and West.

FURTHER OUTLOOK

Showery conditions in the Northwest spreading southeast across the British Isles. Colder.

Forecasts issued at 1030

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

7h. Friday 1st October, 1943.

LOW

HIGH

1002 1004 1006 1008 1010 1012 1014 1016 1018 1020

10° 5°W. 0° 5°E. 60° 55° 50°

Mb 1030 1020 1010 1000 990 980 970 960 950 940

STATION MODEL

High Cloud
Medium cloud
Low cloud
Amount of Low cloud
Height of Low cloud (Code figure (one figure) or hundreds of feet (two figures))
Temperature °F.
Present weather
Visibility
Dew Point °F
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.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Friday 1st October,

1943.

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 summertime.

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

Friday, 1st October 1943 — No. 292.12

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	·18	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon ...	290	19·7	+2	SW	2	z_o	57	92	55	6	5	-	-	Tr	Tr	3000
	S. Farnborough	226	19·0	+2	W'S	3	c-bc	55	97	54	7	5	7	-	4-6	7-8	3000
	Boscombe Down	417	19·2	-2	WSW	1	z_o	54	97	54	6	5	-	-	4-6	4-6	2500
	Thorney Island	10	19·3	+2	WSW	1	z_o	59	97	59	6	5	7	-	2-3	7-8	2500
	Lympne ...	283	19·3	+2	W'S	2	F	57	97	57	1	-	-	-	10	10	<150
	Manston ...	154	18·6	+14	SW'W	2	z_o	57	97	56	6	5	-	-	4-6	4-6	5300
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	17·7	+2	SW'S	3	z_o	58	92	56	6	5	-	-	7-8	7-8	5100
	Gorleston ...	5	16·0	+2	WSW	2	z_o	58	92	56	5	5	-	-	4-6	4-6	1500
	Mildenhall ...	15	17·0	+2	S'W	3	z_o	57	97	56	6	5	-	-	2-3	2-3	6500
	Cranwell ...	203	15·9	+4	W'S	1	z_o	56	97	54	5	5	-	-	2-3	2-3	3000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·8	+2	WSW	3	z_o	55	97	54	6	5	-	-	1	1	800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18·5	-2	WSW	4	c	58	97	57	7	5	2	-	9	10	1500
	Bristol ...	209	18·9	0	W	1	c	57	92	56	7	5	-	-	9+	9+	3100
	Portland Bill ...	32	19·2	+4	SW	3	c	60	92	58	8	5	-	-	9	9+	4000
	Plymouth ...	86	20·5	-2	W	2	bc/d	58	92	56	7	5	-	-	4-6	4-6	3500
	The Lizard ..	240	20·6	-2	SW	2	r_{ir_o}	57	97	57	5	5	-	-	10	10	800
	Scilly (St. Mary's)	163	20·9	-6	SW	2	$c_{/d}$	57	97	56	8	5	-	-	10	10	800
	Guernsey ...	175															
6	Pembroke ...	142	17·7	-2	W'S	5	c	58	97	57	8	5	-	-	9+	9+	1500
7	Holyhead (Valley)	32	15·3	-2	SW'S	4	b-bc	57	92	56	7	5	4	-	1	2-3	2500
	Chester (Sealand)	16	15·0	+2	-	0		60	85	56	6	5	-	-	7-8	7-8	2500
8	Manchester ...	230	15·5	+2	SSW	2	$d_o d_o^{z_o}$	57	97	57	6	5	2	-	9+	10	1000
10	Spurn Head ...	29	15·4	+8	SW	3	z_o	57	92	55	6	7	-	-	4-6	4-6	2500
	Catterick (Sc)...	192	13·6	+4	WSW	1	c-bc	57	92	55	7	5	3	-	4-6	7-8	2500
	Tynemouth ...	108	12·6	+12	W	2	c-bc	58	85	53	7	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	10·5	+10	W	2	bc	53	75	46	7	5	-	-	4-6	4-6	2500
	Leuchars ...	36	09·7	+20	WSW	3	b-bc	47	85	43	8	5	7	-	2-3	2-3	3500
12	Renfrew (Abbotsl.)	19	11·0	+6	SW'S	1	z_o	53	75	45	6	5	2	-	9	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	12·9	0	W'N	3	bip	55	97	54	8	5	-	-	1	1	1000
13A	Tiree	44	09·2	-10	WSW	2	b-bc	51	92	49	8	5	-	-	2-3	2-3	2000
13B	Stornoway ...	12	06·2	+8	WSW	3	c-bc	47	85	43	7	-	3	-	0	7-8	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	09·3	+18	SSW	1	c	48	75	40	8	-	7	-	0	9+	-
	Wick ...	114	06·4	+22	SW	4	b	45	97	44	8	5	-	-	1	1	2000
16	Sumburgh ..	19	98·8	+22	WSW	8	$c_{/pr}$	51	85	47	8	3	6	3	4-6	9	2000
17	Blacksod Point	18	08·6	-26	SSW	5	$c_{/d}$	58	92	56	7	6	-	-	10	10	1500
18	Malin Head ...	84	09·3	-18	S	1	c	52	92	50	8	5	-	-	10	10	1500
	Aldergrove ...	268	12·1	-6	S	1	c	53	92	51	7	5	-	-	10	10	4600
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	12·2	-14	SSW	5	$c_{/d}$	56	97	55	6	5	-	-	9+	9+	900
	Roches Point	22	16·1	-10	WSW	4	dd	57	97	57	6	5	-	-	10	10	450

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

Barom. at M.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)
19·1	+6	SW'S	2	z_o	56	97	55	6	5	3	-	3	9+	4000	1	*
20·1	+6	SSW	2	z_o	58	92	56	6	5	-	-	9+	9+	2000	1	*
19·3	+8	WSW	2	c	57	92	55	8	5	-	-	9	9	3000	0	*
19·1	+2	-	0	bc	55	97	54	8	5	7	-	1	4-6	4000	0	*
19·6	+6	-	-	c	58	97	58	7	5	7	-	4-6	9+	3000	0	*
19·6	+6	SW	1	z_o	57	97	57	5	5	-	-	9+	9+	2000	0	*
19·3	+6	SW'W	2	z_o	57	97	55	6	5	-	-	9	9	4500	1	*
19·1	+10	WSW	2	z_o	57	92	55	5	5	-	-	9	9	2500	1	*
18·9	+12	W	1	z_o	55	85	49	6	5	-	-	9	9+	4000	0	2
17·3	+8	W'N	1	z_o	54	97	54	6	5	-	-	2-3	2-3	1500	1	2
17·8	+6	S'W	2	z_o	56	97	55	6	5	-	-	9	9	2500	0	*
17·4	+12	SW	3	z_o	55	97	54	6	5	-	-	Tr	Tr	3000	1	*
17·0	0	SSW	2	c	56	92	54	7	5	-	-	9	9	1500	1	*
17·6	+2	W'S	3	c-bc	55	92	53	7	5	-	-	7-8	7-8	2500	0	*
17·5	0	SSW	3	c	57	85	53	8	5	-	-	9+	9+	2000	1	*
16·8	-6	WSW	4	r/r	57	92	54	6	5	-	-	9+	9+	1600	1	1
18·8	0	S	1	c	56	92	54	8	5	-	-	9+	9+	2500	1	*
18·9	-10	SW	3	c	59	92	57	8	2	4	-	4-6	10	4000	1	3
19·1	-2	SW	3	z_o	58	97	57	6	5	-	-	7-8	10	1000	1	1
19·7	-6	SW	3	o	57	97	57	6	5	-	-	10	10	1000	1	3
18·2	-6	SW'S	4	c	56	92	54	8	5	-	-	10	10	1200	1	3
16·6	-4	W	4	$c_{/r}$	57	92	55	8	8	-	-	9+	9+	2000	0	3
15·9	-2	SW'S	6	$c_{/d}$	57	92	55	7	5	7	-	2-3	10	400	1	3
14·5	-2	S	1	z_o	58	92	55	6	8	6	-	7-8	10	2000	0	*
14·8	-2	S	2	c	56	92	54	7	5	4	-	7-8	9	2000	1	*
15·6	+6	SSW	3	z_o	56	92	54	6	7	3	-	4-6	7-8	2500	0	3
13·5	0	S	2	$d_o d_o$	56	97	55	6	5	2	-	9	10	1300	0	*
12·9	0	S	2	z_o	55	85	51	6	2	3	1	2-3	2-3	2500	1	2
09·1	-14	SSW	4	bc	53	92	50	8	5	4	-	2-3	4-6	3000	0	3
08·3	-18	-	0	$c_{/d}$	50	92	48	5	6	4	-	7-8	9	1200	1	*
08·0	-10	SSW	4	$c_{/d}$	57	92	55	6	5	2	-	7-8	10	600	1	*
10·2	-18	S'W	4	rf	53	97	53	2	-	2	-	10	10	100	1	*
11·3	-2	WSW	3	c	58	92	55	8	5	3	-	2-3	9+	1500	0	2
03·0	-34	SW'S	5	z_o	57	92	54	6	5	3	-	4-6	9	1200	1	2
03·7	-16	-	0	r_{ir_o}	45	97	45	6	-	2	-	10	10	1500	1	1
06·6	-18	SSW	4	id	47	92	44	6	5	-	-	10	10	1900	1	*
08·4	-12	SSE	1	c	48	75	41	7	5	4	-	9	9+	2500	1	1
06·7	-2	SW	2	$c_{/r}$	48	97	47	8	5	2	-	2-3	10	1500	0	*
04·4	+18	W	5	c	50	85	47	8	2	3	6	2-3	9+	2000	1	4
04·7	-18	S	6	$c_{/r}$	57	97	56	7	6	-	-	10	10	1500	1	5
04·7	-14	SSW	5	id	56	92	54	8	5	-	-	9+	9+	1800	2	4
03·7	-12	S'W	3	id	57	85	54	7	5	-	-	9+	9+	1700	1	*
09·9	-10	SSW	2	ir	56	85	52	8	6	7	-	7-8	9	1500	1	*
10·2	-2	S'W	4	$c_{/r}$	56	97	55	6	6	-	-	10	10	900	1	1
12·3	-18	SW	4	dd	56	97	55	5	5	-	-	10	10	450	1	4

PAST 24 HOURS.

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 Hrs. (38)
63	55	46	Tr	Tr	0·0
64	57	52	0·1	-	0·0
64	54	45	Tr	Tr	0·0
65	52	50	0·4	-	0·0
65	57	52	0·2	-	*
*	55	*	—	-	0·0
65	53	51	-	-	0·6
66	55	49	Tr	-	
64	53	49	Tr	Tr	
63	54	43	0·2	0·2	0·2
62	52	48	0·4	-	0·0
62	51	47	2	-	0·1
63	55		Tr	-	
65	54	49	0·2	-	*
64	57	53	Tr	-	0·2
58	56		1	2	
63	54	44	-	0·1	0·8
65	57	*	-	0·2	*
66	56	54	-	0·2	1·2
59	55	*	0·5	1	0·0
59	55	*	0·4	0·3	0·0
59	55	*	Tr	-	0·0
62	56	54	0·4	0·1	*
65	58	50	1	1	0·3
61	55	51	0·1	0·3	*
63	55	*	-	-	0·9
62	54	46	Tr	Tr	1·8
63	55	45	-	1	*
60	51	*	-	-	*
60	46	42	Tr	Tr	3·2
59	51	48	1	1	2·4
57	50	44	1	1	0·5
62	52	*	Tr	-	0·4
58	49	45	0·3	2	0·7
56	45	43	1	4	1·1
56	45	38	Tr	0·2	2·6
60	48	40	-	-	2·2
56	44	35	Tr	7	*
53	50	46	2	1	2·0
53	53	*	3	4	*
58	51		0·5	0·2	1·6
58	52	47	0·6	Tr	0·0
60	53	50	0·6	Tr	0·0
59	55	54	1	2	0·0
65	56	-	—	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 30th Sept. ... 18h. G.M.T. — 01h. G.M.T. 1st Oct. ... 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
109 57	25855	18588	53	22645	29866	57	01753	56784
115 54	81734	93586				24	14754	91726
203								
206 5-	02857	20657	57	02854	24525	20	01963	24503
210 54	02864	18357	57	22854	55564	5-	01864	20214
219 62	53518	17628	23	02854	23655	23	01854	22415
230 52	54527	20258	8-	10744	55456	8-	02857	20227
245 56	02753	20425	57	02643	53427	57	02762	24125
260 73	02754	20416	53	05534	20465	5-	05648	20328
278								
279 57	02843	20527	62	21616	22568	8-	02744	22388
285 23	01854	26515						
288 53	02862	18424	57	61845	19527	52	02765	19425
378 67	58535	20358	67	05745	22328	62	54585	19258
301 6-	02724	23358	57	05645	22368	04	05690	22211
321 57	05369	24367	57	05645	18227	50	05648	22228
290 23	02754	22815				50	15644	22214
292 57	02853	18216	57	51845	22328	50	05653	24323
310 --	57109	24259						
614 5-	05536	21128	57	05654	22327	5-	0545	22225

13h. G.M.T. 30th Sept. ... 18h. G.M.T. — 01h. G.M.T. 1st Oct. ... 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
388 57	02845	20427	62	62524	20428	5-	51528	18358
334 --	03537	26228	--	03647	26228			
340 5-	02547	24427	57	02845	20227	5-	02844	22317
136 5-	54538	20258	5-	51447	14258			
336 52	52526	24358	57	02754	24326			
850 52	05636	22357	52	02733	22227	5-	05534	18314
368 5-	21635	26258	5-	52438	26458	5-	05648	26228
379 52	05635	22348	53	05643	22425	50	05623	20413
390 5-	51228	16258	52	41647	26348	00	05590	20220
382 77	02755	24327	57	02846	24327	5-	05634	24225
4385 -	52528	22358	5-	03628	24228	50	05644	22418
4305 -	05636	19358	50	05644	20127	5-	08474	24114
4095 -	67208	22458	5-	57108	22358	5-	05527	19357

C$_L$C$_M$	wwVhN$_h$	DDFWN
5-	51528	18358
--	51537	22488
5-	51647	17057
57	21745	20357
57	05667	20327
57	51745	24357
57	02734	20425
5-	45247	18247
5-	02865	23525
5-	05565	22125
5-	02734	17355

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 1st October
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 ...	id d cm	cm	cm cbu	Kew 24 hours ended 9h Max. 0·2 Min. <0·1
Croydon	cm odd m	cm	cbu m bc	
Greenwich	id m	id cm	cbuc	
Camden Square	o	o	*	
Kensington ...	oz	oz	*	
Hampstead ...	omd	o	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % Today
Kew ...	63	55	46	Tr	Tr	0·0	*	*
Croydon	64	57	52	0·1	-	0·0	*	*
Greenwich	63	54	45	Tr.	-	0·0	86	77
Westminster	64	55	48	Tr			93	87
Regents Park	64	53	46	-	-		86	75
Camden Square	63	55	49	Tr	-	*	*	82
Kensington	64	54	44	-	Tr		91	81
Hampstead	62	53	48	Tr	-		*	99

SECRET

Page 1

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

Saturday 2nd October 1943

No. 29899.

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

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)	17·6	-12	SW's	3	c/r	62	85	57	7	8	3	–	9	10	1500
	Croydon ...	18·9	-14	SW	2	$d_o d_o$	63	85	58	7	5	–	–	4-6	9+	1200
	S. Farnborough	18·0	-16	SW'W	2	dr	62	85	58	8	7	–	–	9+	9+	1000
	Boscombe Down	17·8	-14	SW'S	3	$i d_o$	61	85	56	7	5	7	–	9	9+	1400
	Thorney Island	18·5	-12	SW	2	c	64	85	60	9	5	–	–	2-3	10	2500
	Lympne ...	19·0	-10	SW'S	3	bc	66	75	56	8	1	3	–	2-3	4-6	2200
	Manston ...	18·4	-8	SW'S	3	c	65	75	55	8	2	–	–	9	9	3500
2	Shoeburyness ...	18·8	-20	SW	3	c	68	65	57	8	5	–	–	9	9	4000
	Felixstowe ...	18·0	-10	S	3	c	67	75	58	7	7	3	–	4-6	9+	4000
	Gorleston ...	17·3	-8	SW'W	4	c	63	75	55	7	5	–	–	10	10	2100
	Mildenhall ...	16·8	-12	SW'S	4	c	63	85	57	8	5	–	–	10	10	4000
	Cranwell ...	15·0	-8	SW'W	4	c	60	85	54	8	5	–	–	10	10	2000
3	Birmingham ...	15·7	-16	SSW	4	m	60	75	52	8	5	–	–	9+	9+	1500
	Upper Heyford	16·5	-14	SW	3	c	61	75	52	9	5	–	–	10	10	2000
4	Ross-on-Wye	15·4	-18	SW'S	4	c	60	75	52	8	5	4	–	7-8	9	2500
5	Hartland Point	14·8	-16	WSW	5	c	59	75	51	8	5	–	–	9+	9+	1500
	Bristol ...	16·9	-16	SSW	5	c	62	75	51	8	5	–	–	9+	9+	2800
	Portland Bill ...	18·7	-10	SSW	4	c	60	92	58	8	5	–	–	10	10	4000
	Plymouth ...	18·1	-10	SW	4	c	59	92	57	8	5	–	–	7-8	10	1500
	The Lizard ...	17·9	-8	SW	3	c	59	87	55	7	5	–	–	9+	9+	1000
	Scilly (St. Mary's)	16·6	-14	SW'S	5	cjp	59	85	55	8	8	6	–	9	9+	1000
	Guernsey ...															
6	Pembroke ...	15·4	-2	SW'S	5	cq	57	97	57	7	5	–	–	9+	9+	2000
7	Holyhead (Valley)	11·3	-22	SSW	8	z_o	58	92	56	6	5	2	–	9	9+	400
	Chester (Sealand)	12·2	-20	SSW	4	c	64	65	52	9	5	3	–	7-8	9+	2500
8	Manchester ...	13·3	-18	S	5	c	61	75	54	7	5	–	–	9+	9+	1800
10	Spurn Head ...	14·6	-8	SW	4	c	62	75	53	7	5	3	–	4-6	9+	2500
	Catterick (Sc)...	11·6	-10	SW	4	c	65	75	56	7	8	3	–	7-8	10	1800
	Tynemouth ...	11·0	-8	WSW	4	c-bc	62	75	54	7	2	3	–	4-6	7-8	2700
11	St. Abbs Head	03·7	-44	SW	7	c-bc	59	75	49	8	4	6	–	4-6	7-8	3000
	Leuchars ...	04·8	-20	SSW	5	c/pr	60	85	55	7	8	3	–	7-8	9	1500
12	Renfrew (Abbotsl.)	05·4	-16	SSW	4	c	58	85	52	7	5	7	–	4-6	9+	800
	Eskdalemuir ...	06·8	-26	SW'S	7	rr	55	92	53	5	–	2	–	10	10	200
	Point of Ayre...	08·5	-10	WSW	6	c	60	85	54	8	6	7	–	4-6	9	3500
13A	Tiree	28·8	-32	S'W	6	c	52	97	51	8	5	7	–	9	10	800
13B	Stornoway ...	23·8	-52	SSW	7	rr	54	97	54	5	6	2		7-8	10	400
15	Dalwhinnie ...	01·0	-24	SSW	4	ir	55	92	53	7	5	–	–	9+	9+	1500
	Aberdeen ...	03·4	-20	SSW	3	c	61	75	53	8	5	7	–	7-8	9+	1500
	Wick ...	00·8	-40	S	4	bc	60	85	56	8	2	7	9	2-3	4-6	2500
16	Sumburgh ...	02·8	-18	E'N	2	$r_o r_o$	46	85	42	6	6	–	–	10	10	600
17	Blacksod Point	00·3	-22	SW	6	Dr	58	97	52	6	–	2	–	10	10	800
18	Malin Head ...	29·5	-32	SSW	5	c	59	85	54	8	5	–	–	10	10	800
	Aldergrove ...	04·4	-32	S'W	5	c	61	75	52	9	5	7	–	4-6	9+	1500
19	Birr Castle ...	26·0	-22	SSW	4	c-bc	64	75	56	8	8	–	–	9	9+	1500
20	Valentia Obsy.	06·6	-18	SSW	6	ir_o	58	97	57	6	6	–	–	10	10	1100
	Roches Point	10·1	-18	SSW	5	$d_o d_o$	58	97	57	6	5	–	–	10	10	450

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
London (Kew)	16·7	0	SW	4	o/r	59	85	53	8	5	–	–	10	10	1500	1	*
Croydon ...	17·7	-6	SSW	4	cjp	62	75	52	6	8	–	–	4-6	9+	1500	0	*
S. Farnborough	16·8	-4	SW	3	o/r	59	85	53	8	5	–	–	10	10	2500	1	*
Boscombe Down	17·0	-2	SSW	3	$d_o d_o$	57	97	56	7	5	–	–	10	10	1000	1	*
Thorney Island	17·3	-6	SSW	3	c	61	92	59	8	5	–	–	4-6	9+	1500	1	*
Lympne ...	17·9	-4	SW	3	c	60	97	58	7	5	7	–	9+	10	300	0	5
Manston ...	17·9	-2	SSW	4	$i d_o$	61	92	58	6	5	3	–	7-8	9	1500	0	*
Shoeburyness ...	17·2	-8	SSW	3	c-bc	61	85	57	7	5	–	–	7-8	7-8	4000	0	*
Felixstowe ...	16·7	+6	S	4	c	61	85	56	7	5	–	–	9+	9+	4000	0	4
Gorleston ...	15·7	-6	SW'W	3	c	63	85	58	7	5	–	–	9+	9+	2100	1	4
Mildenhall ...	14·9	-8	S'W	3	c	62	85	57	8	5	–	–	10	10	2200	0	*
Cranwell ...	12·7	-10	SSW	5	c-bc	59	85	53	7	5	3	–	4-6	7-8	2500	0	*
Birmingham ...	12·9	-8	SSW	3	c	59	75	51	8	5	–	–	7-8	9+	1500	1	*
Upper Heyford	14·9	-8	SW	4	$i d_o$	59	85	53	9	5	–	–	10	10	2000	0	*
Ross-on-Wye	12·8	-12	SW'S	2	c	59	75	51	8	5	–	–	9+	9+	2500	1	*
Hartland Point	13·1	-28	SW	5	c/r	58	75	52	8	6	2	1	7-8	9+	1200	1	4
Bristol ...	15·6	-14	SW'S	4	c	59	85	54	8	5	7	–	9+	10	2500	0	*
Portland Bill ...	17·4	+2	SSW	4	c	60	92	58	8	5	–	–	10	10	4000	1	4
Plymouth ...	16·5	-8	SSW	4	c	58	92	56	7	5	–	–	7-8	10	900	1	4
The Lizard ...	16·2	-6	SW	4	c-bc	57	92	54	8	5	–	–	7-8	7-8	2000	1	4
Scilly (St. Mary's)	14·4	-12	SW	5	c	58	92	55	7	5	–	–	10	10	1200	1	4
Guernsey ...																	
Pembroke ...	11·4	-18	SW	6	dd	57	97	57	6	6	2	–	7-8	10	1500	1	4
Holyhead (Valley)	07·8	-10	SSW	8	$i d_o$	58	92	56	6	6	2	–	4-6	10	500	1	5
Chester (Sealand)	08·6	-18	SSW	5	bc	60	75	51	9	5	3	–	4-6	4-6	3000	0	*
Manchester ...	11·3	-14	S'W	4	c	59	75	51	8	5	–	–	9	9+	2000	1	*
Spurn Head ...	12·3	-8	SW	4	bc	60	75	50	7	7	3	–	4-6	4-6	2500	0	3
Catterick (Sc)...	08·7	-14	SSW	3	z_o	59	85	54	6	5	–	–	9	9	1500	0	*
Tynemouth ...	07·4	-24	SW	5	z_o	61	75	54	6	8	–	–	7-8	7-8	2200	0	3
St. Abbs Head	10·1	-2	SSW	6	c-bc	57	85	51	7	5	4	–	7-8	7-8	1500	1	4
Leuchars ...	00·1	-28	SSW	4	pr	58	85	52	7	7	7	6	4-6	10	1000	1	*
Renfrew (Abbotsl.)	29·9	-28	SSW	6	z_o	60	75	53	6	8	7	1	4-6	9+	1500	1	*
Eskdalemuir ...	02·9	-22	SSW	7	c	54	97	53	6	5	–	–	10	10	800	1	*
Point of Ayre...	04·3	-22	SW'W	7	c	50	85	55	7	6	–	–	9+	9+	800	0	5
Tiree	28·3	+16	NNW	4	o/r	45	97	48	8	5	–	–	10	10	1000	1	3
Stornoway ...	25·7	+20	NW	4	ir_o	46	92	44	7	6	7	–	4-6	9+	1200	2	3
Dalwhinnie ...	26·0	-34	SSW	4	ir	53	92	51	5	5	2	–	9	10	1500	1	
Aberdeen ...	28·1	-30	S'W	4	z_o	57	85	51	6	5	4	9	7-8	9	2000	1	3
Wick ...	22·9	-32	SSW	6	c-bc	57	92	55	8	5	7	6	4-6	7-8	2000	1	*
Sumburgh ...	22·8	-50	S'E	5	c-bc	55	92	53	7	5	4	–	7-8	7-8	800	1	4
Blacksod Point	03·8	+42	NW'N	6	$r_o r_o$	45	92	47	7	–	2	–	10	10	1500	2	5
Malin Head ...	28·6	+22	N'W	5	RR	51	85	47	8	–	2	–	10	10	800	2	4
Aldergrove ...	01·4	-6	S'W	4	$r_o r_o$	54	92	52	8	5	7	–	7-8	9	2500	1	*
Birr Castle ...	04·0	-2	SW	4	c-bc	55	75	47	8	8	–	–	7-8	7-8	1500	1	*
Valentia Obsy.	09·1	+26	W'N	6	bc	53	85	49	8	2	–	–	4-6	4-6	2100	1	5
Roches Point	08·8	+6	W	5	bc	57	85	52	8	5	3	–	2-3	4-6	1500	1	5

PAST 24 HOURS.

Stations	Weather. 7h.–13h. 1st (39)	Weather. 13h.–18h. 1st (40)	Weather. 18h. 1st – 1h. 2nd (41)	Weather. 1h.–7h. 2nd (42)
London (Kew)	$cm_o i_o w c$	$i_o c i r_o$	c	$q f o r c m_o$
Croydon ...	$cid_o cd_o d_o$	$ed_o d_o cjp$	$cjpz_o cm_o$	$cm_o cd_o d_o m_o$
S. Farnborough	$cdrd_o r_o$	$cd_o r_o i r_o c$	cb,c	$cr_o dm_o c$
Boscombe Down	$bccd_o c$	$cic_o ir_o d_o$	$cr_o r_o m_o$	$cm_o cir_o m_o bc$
Thorney Island	$cir_o c$	$cid_o c$	$bcwcbc$	$bcdir_o r_o$
Lympne ...	$am_o c$	bcc	$cid_o cbcwcm_o$	$bebm_o bcc$
Manston ...	$am_o wc$	c	$cid_o bbccm_o w$	$cid_o bebcm_o w$
Shoeburyness ...	$cm_o wcm_o c$	c	cbc	cw
Felixstowe ...	$cm_o c$	c	bbcb	$cc ir_o m_o$
Gorleston ...	bcc	c	cbcc	bcc
Mildenhall ...	c	$cc ir_o c$	cb,cb	$cr_o r_o m_o c$
Cranwell ...	$cbm_o c$	cbc	$bcm_o bm_o$	$bcm_o bc$
Birmingham ...	c	c	cor_o	$o r_o b$
Upper Heyford	$cwbcid_o c$	$cc id_o c$	$cid_o bc$	$bcoidom_o bc$
Ross-on-Wye	dc	c	ccp	cb
Hartland Point	c	cir_o	$cdodoridobc$	bcp
Bristol ...	$cid_o c$	c	ccr_o	$m_o r_o r_o cbbw$
Portland Bill ...	c	cpre	co	c
Plymouth ...	$cm_o c$	c	$cm_o r_o r_o$	bc
The Lizard ...	ac	iddcc	cprbc	bc
Scilly (St. Mary's)	$cid_o c$	cbcb	cbcbc	$bcp_o bc$
Guernsey ...				
Pembroke ...	$cd_o d_o q_w$	$preidq_m$	cbcq	bc
Holyhead (Valley)	$cid_o d_o m_o$	$cid_o c$	dodobcb	$pr_o r_o cb$
Chester (Sealand)	$cid_o bcc$	c,bc	bccdodo	$bcir_o pr_o$
Manchester ...	$cci r_o c$	c	$bccid_o m_o$	$pr_o m_o pr$
Spurn Head ...	c	bc	bcq	bc
Catterick (Sc)...	$cm_o c$	cm_o	$cr_o r_o m_o$	bcb
Tynemouth ...	$bccm_o$	cm_o	bcq	bcb
Leuchars ...	cprc	$cir_o cpr_o$	cprorrc	bcbbc
Renfrew (Abbotsl.)	$cr_o r_o m_o c$	$cci r_o m_o cm_o$	$bccpr_o bc$	bcbbc
Eskdalemuir ...	$r_o r_o tddrr$	$or_o r_o m_o c$	crrir	bc
Point of Ayre...	c	$cb cc$	bprc	prcb
Tiree	c	$cm rrc$	$ir_o bcpr$	$bcpr bc$
Stornoway ...	$cr_o r_o h_o pr$	$crrm_o cir_o$	$crrm_o cbc$	$bccpr_o bc$
Dalwhinnie ...	oirc	cir_o		orrc
Aberdeen ...	c	$cbccz_o$	$c2_o ir_o c$	$cbcb$
Wick ...	$cir_o id_o$	$bccbc$	$cpr_o pr_o$	bbcb
Sumburgh ...	$cr_o r_o$	$cr_o r_o c$	$cq_o dd$	$bcpr_o$
Blacksod Point	r	r	o	bc
Malin Head ...	d	r	r	pr
Aldergrove ...	$eid_o cpr_o c$	$cRRr_o r_o$	$cr_o r_o RRc$	$cbcbbc$
Birr Castle ...	pr	pr		pr
Valentia Obsy.	r	r	pr	pr
Roches Point	d	d	b	b

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

Districts	
1 S.E. England 2 E. England .. 3 E. Midlands ... 4 W Midlands 5 S.W. England 6 South Wales	Wind northwest moderate to light; mainly fine; colder than of late with ground frost at night.
7 North Wales 8 N.W. England 9 N. Midlands ...	Wind west, moderate to fresh locally, veering northwest; bright periods; local showers with a chance of isolated thunder; mainly fine tomorrow; colder than of late with ground frost at night.
10 N.E. England 11 S.E. Scotland	Moderate westerly winds; considerable bright periods; rather cold, with ground frost at night.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh westerly winds veering northwest; showers with hail or thunder locally; bright periods; a period of more general rain in the North; cold with ground frost at night in sheltered localities.
16 Orkneys and Shetlands	As 12-15
17 N. W. Ireland 18 N. E. Ireland	As 7-9
19 S. E. Ireland 20 S. W. Ireland	As 1-6

GENERAL INFERENCE

High pressure on the Atlantic is extending eastwards over the southern half of the British Isles, whilst a trough of low pressure near the Faeroes is moving southeast and filling up. Weather will be fine in the southern half of the country but there will be some rather heavy showers at times in the North; temperature will be lower than of late.

FURTHER OUTLOOK

Rain spreading across the northern half of the country; mainly fair in the South, probably for a few days.

Forecasts issued at 10.30

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

7h. Saturday 2nd October, 1943.

10° 5°W. 0° 5°E 10°

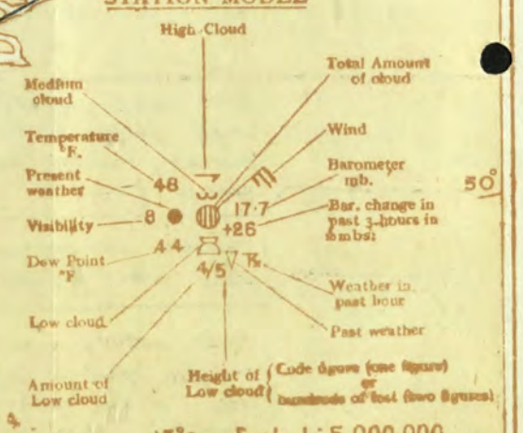
60° 55° 50°

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

HIGH

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

STATION MODEL



Scale 1.: 5,000,000.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Saturday 2nd October

1943.

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. (Σ) Thunderstorm. Σ Slight haze. ∞

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

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

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

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

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

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

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

BRITISH SECTION

Saturday 2nd October, 1943

No. 29899

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	58									
	Croydon ...	290	17.2	-8	SW	4	b-bc	58	85	53	6	4	–	–	2-3	2-3	2500
	S. Farnborough	226	16.0	-6	WSW	3	c	56	85	53	8	5	7	–	7-8	9+	2500
	Boscombe Down	417	16.2	-6	SSW	4	Zo	56	97	55	6	5	2	–	9	10	700
	Thorney Island	10	17.0	-2	SW	3	b-bc	59	85	54	7	5	–	–	2-3	2-3	1500
	Lympne ..	283	18.2	-2	WSW	3	Zs	58	97	58	6	5	–	–	4-6	4-6	1000
	Manston ...	154	16.7	-6	SW'S	3	id.	60	82	58	6	5	–	–	9	9	1300
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	16.4	-2	SSW	4	b	59	92	56	7	5	–	–	1	1	2500
	Gorleston ...	5	14.2	-6	SW'W	5	c-bc	58	85	53	7	5	–	–	7-8	7-8	1500
	Mildenhall ...	15	13.8	-6	SSW	4	b	58	85	54	8	5	–	–	Tr	Tr	4000
	Cranwell ...	203	11.2	-6	SW'S	6	Zs	56	85	52	6	5	–	–	1	1	3000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13.8	-10	SW'S	5	c-bc	56	92	53	7	5	–	–	7-8	7-8	1100
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15.2	+36	WNW	3	c-bc	56	75	48	7	5	–	–	7-8	7-8	1500
	Bristol ...	209	15.4	+6	SW	4	c/c	55	97	54	6	6	2	–	10	10	2800
	Portland Bill ...	32	16.6	-12	SW	5	o	58	92	56	7	5	–	–	10	10	2500
	Plymouth ...	86	17.1	+6	W	4	c/r	54	97	52	7	5	–	–	10	10	2300
	The Lizard ..	240	17.2	+10	WNW	4	bc	56	92	54	7	5	–	–	4-6	4-6	1500
	Scilly (St. Mary's)	163	17.1	+10	WNW	4	bc	56	75	48	8	5	–	–	4-6	4-6	1200
	Guernsey ...	175															
6	Pembroke ...	142	14.5	+14	W'N	5	bcq	55	75	48	7	2	–	–	4-6	4-6	2500
7	Holyhead (Valley)	32	11.0	+30	NW	6	pr	53	85	49	7	2	–	–	7-8	7-8	2000
	Chester (Sealand)	16	10.8	+12	—	0	c-bc	55	75	47	7	5	–	–	7-8	7-8	3000
8	Manchester ...	230	10.6	+6	SW'S	4	c/a	54	92	52	6	–	–	–	0	0	–
10	Spurn Head ...	29	09.9	-10	SW	6	b-bcq	56	85	51	7	4	–	–	2-3	2-3	2500
	Catterick (Sc) ...	192	07.7	+4	WSW	4	bc/r	55	85	50	6	5	–	–	4-6	4-6	3500
	Tynemouth ...	108	05.9	+16	SW	3	b-bc	56	85	50	7	2	–	–	2-3	2-3	2500
11	St. Abbs Head	280	03.1	+32	W	4	c-bc	53	75	44	7	5	–	–	7-8	7-8	4000
	Leuchars ...	36	03.7	+46	W	4	c-bc	50	85	46	8	5	–	–	7-8	7-8	3500
12	Renfrew (Abbots L)	19	06.6	+48	W'S	3	b-bc	47	85	41	7	4	–	–	2-3	2-3	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	07.3	+32	N	5	c	52	85	48	7	3	–	–	9+	9+	800
13A	Tiree	44	06.6	+34	NW	5	pr	49	85	45	8	8	–	–	7-8	7-8	2500
13B	Stornoway ...	12	01.8	+18	WSW	3	bc	45	75	38	8	8	–	5	2-3	4-6	2200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	01.9	+44	WNW	4	c-bc	46	85	42	8	5	–	–	4-6	7-8	1500
	Wick ...	114	00.3	+34	SW	4	pr	45	97	45	7	8	–	–	9+	9+	1300
16	Sumburgh ..	19	94.2	+50	W'N	6	c/a	46	92	44	8	8	–	–	4-6	9	1000
17	Blacksod Point	18	12.5	+22	W'N	8	bc	50	65	39	7	8	–	–	4-6	4-6	1500
18	Malin Head ...	84	08.4	+30	NW	5	bc	49	85	45	8	8	–	–	4-6	4-6	1500
	Aldergrove ...	268	10.6	+48	N'N	2	c	47	85	42	8	8	4	–	7-8	9	3200
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16.7	+22	W	3	pr	50	85	46	8	3	–	–	7-8	7-8	2500
	Roches Point	22	15.7	+26	W	5	b	51	92	49	8	5	–	–	1	1	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	18.1	+18	SW'W	2	Zo	55	85	52	6	5	–	–	9	9	2500	1	*
	Croydon ...	18.8	+22	WSW	2	c/d	53	85	50	7	–	7	–	0	9	–	1	*
	S. Farnborough	18.5	+24	W	1	c-bc	53	92	51	8	5	7	–	4-6	7-8	2500	1	*
	Boscombe Down	18.7	+16	W'N	1	bc	50	92	48	7	5	3	–	4-6	4-6	2000	1	*
	Thorney Island	18.2	+18	NNW	2	c/r	55	97	54	8	5	4	–	9	9	2500	1	*
	Lympne ..	18.1	+10	WSW	2	C	56	97	55	7	5	4	–	9	9+	1000	0	4
	Manston ...	17.6	+10	SW'W	3	c-bc	57	92	55	8	5	–	–	7-8	7-8	4500	1	*
2	Shoeburyness ...	17.6	+16	W	3	c	57	85	53	8	5	–	–	10	10	1800	1	*
	Felixstowe ...	17.1	+18	WSW	4	i/o	57	85	54	6	6	2	–	7-8	10	1500	1	3
	Gorleston ...	14.7	+6	NNW	3	c	57	75	49	7	8	4	–	7-8	9	1500	0	3
	Mildenhall ...	16.4	+26	W'S	3	c-bc	54	85	50	8	5	3	–	2-3	7-8	4500	1	*
	Cranwell ...	15.7	+28	WSW	3	b-bc	49	87	47	7	5	–	–	2-3	2-3	3500	0	*
3	Birmingham ...	17.4	+26	WSW	2	b	48	85	44	7	5	–	–	1	1	2500	1	*
	Upper Heyford	17.5	+24	WSW	2	b	46	92	44	8	5	–	–	1	1	4000	1	*
4	Ross-on-Wye	17.3	+6	SW'W	1	b	47	85	44	8	5	–	–	Tr	Tr	3000	1	*
5	Hartland Point	18.7	+24	NW	4	bc	53	75	45	8	2	–	–	4-6	4-6	2000	1	3
	Bristol ...	18.5	+24	SW	2	b	50	92	47	7	5	–	–	1	1	4000	1	*
	Portland Bill ...	18.7	+24	NW	4	c	56	92	54	8	5	7	–	7-8	10	4000	1	4
	Plymouth ...	20.2	+22	NW'W	1	b-bc	51	85	48	7	8	–	–	2-3	2-3	3000	1	2
	The Lizard ..	20.0	+18	WNW	3	bc	52	92	50	8	8	–	–	4-6	4-6	2500	0	3
	Scilly (St. Mary's)	20.4	+22	WNW	3	bc	53	85	47	8	8	–	–	4-6	4-6	1500	1	3
	Guernsey ...																	
6	Pembroke ...	18.9	+24	NW	3	b-bc	51	85	46	8	2	–	–	2-3	2-3	2500	0	3
7	Holyhead (Valley)	17.4	+30	NW	3	bc	49	85	49	9	2	4	1	2-3	4-6	2000	1	4
	Chester (Sealand)	16.8	+40	N	2	bc/pr	50	85	45	7	8	–	–	4-6	4-6	3000	1	*
8	Manchester ...	16.2	+40	NW	3	pr	48	92	46	7	3	–	–	7-8	7-8	2500	1	*
10	Spurn Head ...	13.8	+20	WSW	5	b-bc	53	85	47	7	1	–	–	2-3	2-3	2500	0	4
	Catterick (Sc) ...	14.4	+40	WNW	2	b	46	92	43	9	8	4	–	Tr	1	3000	1	*
	Tynemouth ...	13.3	+30	N	3	b	47	85	43	7	–	–	–	0	0	–	1	2
11	St. Abbs Head	10.5	+34	W	4	b	44	75	36	8	1	–	–	1	1	3500	0	3
	Leuchars ...	10.2	+30	SW	3	b	42	85	39	8	3	–	–	1	1	2500	1	*
12	Renfrew (Abbots L)	11.3	+24	WSW	3	bc	48	75	40	8	3	3	–	4-6	4-6	2500	1	*
	Eskdalemuir ...	13.3	+20	SSE	3	b	39	85	36	8	7	4	–	Tr	1	2800	1	*
	Point of Ayre ...	14.6	+28	NW	5	b	50	85	45	8	3	3	–	1	1	2000	1	4
13A	Tiree	10.6	+24	W	4	bc/pr	46	92	44	9	3	–	3	4-6	4-6	2000	1	4
13B	Stornoway ...	05.6	+22	SW	3	bc	43	85	39	8	3	–	–	4-6	4-6	1800	1	2
15	Dalwhinnie ...	09.0	+22	SW	4	ir	41	92	39	6	5	–	–	9+	9+	1500	1	*
	Aberdeen † ...	08.5	+28	SW	3	b	42	75	36	8	5	–	–	Tr	Tr	2500	1	2
	Wick ...	05.1	+22	SW	5	b	41	97	40	9	3	–	3	1	1	2000	0	*
16	Sumburgh ..	00.4	+30	NSW	5	bc	47	85	43	8	3	6	3	2-3	4-6	1500	1	4
17	Blacksod Point	16.1	+18	W'N	4	bc	48	65	37	8	3	–	–	4-6	4-6	1500	1	3
18	Malin Head ...	12.3	+26	W	3	PR	45	85	41	8	8	–	–	7-8	7-8	1500	2	3
	Aldergrove ...	15.3	+26	SW	3	bc	44	85	39	8	5	3	–	4-6	4-6	4000	1	*
19	Birr Castle ...	17.6	+22	S	2	b-bc	43	97	42	8	3	–	–	2-3	2-3	1500	1	*
20	Valentia Obsy.	20.5	+22	WNW	4	b	50	65	39	9	2	–	1	1	1	2500	1	3
	Roches Point	20.2	+22	NW	3	b	47	85	43	9	5	–	–	1	1	2800	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 1st ... Hrs. (38)
1	London (Kew)	62	54	52	Tr	0.5	0.4
	Croydon ...	64	53	51	Tr	1	1.3
	S. Farnborough	65	53	49	Tr	0.3	1.4
	Boscombe Down	62	49	43	0.5	2	0.0
	Thorney Island	65	54	52	0.5	1	*
	Lympne ..	*	53	48	–	–	6.2
	Manston ...	67	55	51	Tr	Tr	2.9
2	Shoeburyness ...	69	52	50	–	–	1.6
	Felixstowe ...	68	55	53	–	*	M
	Gorleston ...	65	56	50	–	–	0.4
	Mildenhall ...	66	53	51	–	0.2	1.6
	Cranwell ...	65	48	45	–	0.4	1.5
3	Birmingham ...	61	47	43	–	0.6	0.5
	Upper Heyford	61	46	*	Tr	0.2	*
4	Ross-on-Wye	61	46	39	Tr	:	0.1
5	Hartland Point	60	52	49	Tr	2	0.7
	Bristol ...	63	48	38	–	1	0.6
	Portland Bill ...	61	56	*	Tr	—	*
	Plymouth ...	59	50	44	Tr	0.3	0.0
	The Lizard ..	60	50	*	0.3	1	0.7
	Scilly (St. Mary's)	66	53	*	Tr	0.2	1.7
	Guernsey ...						
6	Pembroke ...	58	50	*	1	9	0.0
7	Holyhead (Valley)	60	47	42	0.4	1	*
	Chester (Sealand)	66	50	45	Tr	1	2.6
8	Manchester ...	62	47	46	Tr	1	*
10	Spurn Head ...	65	52	*	–	–	3.4
	Catterick (Sc) ...	65	45	37	–	1	1.1
	Tynemouth ...	64	46	44	–	–	*
11	St. Abbs Head	62	44	*	Tr	0.1	*
	Leuchars ...	62	42	37	0.2	3	1.6
12	Renfrew (Abbots L)	60	44	40	1	9	0.7
	Eskdalemuir ...	56	38	30	4	10	0.0
	Point of Ayre ...	63	49	*	–	1	2.7
13A	Tiree	58	44	40	12	2	0.2
13B	Stornoway ...	56	41	38	29	2	0.0
15	Dalwhinnie ...	57	38	32	3	6	0.0
	Aberdeen † ...	63	41	36	–	2	2.1
	Wick ...	63	41	36	0.3	3	*
16	Sumburgh ..	55	46	43	4	0.4	0.0
17	Blacksod Point	57	43	*	20	3	*
18	Malin Head ...	59	44	*	9	8	0.0
	Aldergrove ...	62	42	39	3	3	1.6
19	Birr Castle ...	64	42	29	5	1	2.7
20	Valentia Obsy.	*	48	43	5	2	1.7
	Roches Point	59	47	*	0.6	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 1st October ... 18h. G.M.T. ... 01h. G.M.T. 2nd October ... 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	53	21635	46456	57	10855	50527	8-	25656	24486	83	25846	53587
115				52	64735	24568	57	81844	22686	37	88854	20584
203										8-	82846	24586
206				62	62755	18468	53	02765	20468	3-	81956	20486
210	26	01963	53614	56	01854	50524	62	22865	21468	3-	01853	21413
219	5-	52528	24458	17	22243	29566	2-	81845	26585	8-	02855	21585
280	52	61957	49368	5-	64638	54468	3-	25854	28484	3-	27855	21385
245	59	22754	52467	57	61745	53587	63	02753	20365	14	01351	26111
280				57	02545	18818	5-	05553	19523	50	01871	19201
278												
279	5-	52628	53658	53	05623	53855	5-	22758	57668	84	25863	-----
285	22	21635	24558							20	01744	28514
288	83	02754	51625	53	02745	50525	50	22763	53563	00	00890	23310
575	62	51635	20558	20	81735	19467	5-	01744	26414	36	10854	21215
301	57	02845	18456	50	02844	20625	56	21846	54667	36	01854	26484
321	5-	05657	18427	53	05654	16425	5-	51648	20428	54	01753	28353
290	80	05625	20415	5-	02755	20415	00	00780	20400	40	00752	26302
292	86	17654	18525	53	02755	51427	54	21654	22454	14	01951	24112
310	--	02628	24428							--	25625	26385
614	5-	05657	20327	5-	05644	20425	5-	61658	53528	5-	05655	24315

13h. G.M.T. 1st October ... 18h. G.M.T. ... 01h. G.M.T. 2nd October ... 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
388	62	54526	51758	62	52635	51628	21	81855	53456	24	01853	22583
334	--	53547	26488							--	02644	28215
340	87	02855	54525	57	02846	55527	50	01853	22523	50	02963	26213
136	7-	02843	20428	5-	20327	14261	50	01752	20512	50	01862	20412
386	57	02754	20428							10	01763	28318
350	57	21844	20458	7-	02833	18467	5-	02766	51416	50	01772	22152
368	5-	02258	22258	57	02866	20428	5-	62648	22468	80	05653	00013
379	5-	02845	20558	51	02845	53328	5-	53738	53558	50	01861	26251
390	57	05555	20328	5-	05546	18427	50	21552	53458	57	05657	22258
382	5-	02846	21358	5-	02847	19428	57	21735	19458	03	01790	29101
438	8-	02756	21316				8-	01744	24514			
430	5-	02745	19358				5-	02766	24426	5-	52757	22257
409	5-	02845	19627	57	02844	18466	5-	02665	25525	20	01954	28214

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 2nd October

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 ...	cmo ifowc	ifo cifo	qforcmo	Kew 24 hours ended 9h
Croydon	c·do cdodo	cdodo cjpr	cmo dodomo	Time
Greenwich	c	doc	cbcpcbc	0 10-20 h
Camden Square	c	c		1st
Kensington ...	bcc	cbccd		Min. Time
Hampstead ...	bcp	bcp	bc	To-1 Rest of period

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	62	54	52	Tr	0.5	0.4	*	*
Croydon ..	64	53	51	Tr	1	1.3	*	*
Greenwich ..	65	54	51	Tr	0.3	0.9	73	70
Westminster ..	64	54	52	0.5			83	79
Regents Park ..	65	54	51	–	0.2		70	69
Camden Square ..	65	54	50	–	0.3	*	*	68
Kensington ..	65	54	52	Tr	0.6		79	76
Hampstead ..	63	50	49	Tr	0.2		*	75

SECRET

Page 1

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

Sunday 3rd October, 1943 — No. 29200

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	20·7	+4	NW	2	bc	60	45	40	8	1	3	–	4-6	4-6	2500
	Croydon ...	21·2	+6	W'N	3	c-bc	61	55	43	8	1	–	–	7-8	7-8	2500
	S. Farnborough	20·5	+2	WNW	3	bc	63	55	47	8	2	–	–	4-6	4-6	3000
	Boscombe Down	21·0	+2	NNW	2	bc	61	65	47	8	2	–	–	4-6	4-6	2500
	Thorney Island	20·8	+2	W	3	bc	66	55	49	9	2	–	–	4-6	4-6	2500
	Lympne ...	20·1	+2	W'N	2	c-bc	62	65	51	8	5	7	1	4-6	7-8	3600
	Manston ...	19·2	+2	NW	3	bc	61	55	47	7	1	–	1	2-3	4-6	3000
2	Shoeburyness ...	20·3	+6	NW	3	c-bc	65	55	47	7	1	7	1	4-6	7-8	4000
	Felixstowe ...	19·5	+8	W	4	bc	62	45	40	8	1	–	1	4-6	4-6	4000
	Gorleston ...	18·1	+12	NW	3	bc	61	55	45	7	1	–	–	4-6	4-6	2500
	Mildenhall ...	19·4	+6	NW'W	3	c-bc	59	65	48	8	2	–	–	7-8	7-8	4000
	Cranwell ...	19·1	+30	W's	4	bc	60	55	44	7	2	–	–	4-6	4-6	2000
3	Birmingham ...	20·1	+6	W	2	c-bc	58	55	43	8	8	–	–	7-8	7-8	2500
	Upper Heyford	20·3	+6	NW	4	c-bc	60	55	44	9	2	–	–	7-8	7-8	3500
4	Ross-on-Wye	20·7	+6	NW'W	2	bc	60	55	43	8	2	–	–	4-6	4-6	3500
5	Hartland Point	22·7	+10	WNW	4	bc/p	56	75	47	9	3	6	1	2-3	4-6	3300
	Bristol ...	21·9	+6	W'N	3	bc	59	65	45	7	1	–	4	4-6	4-6	2500
	Portland Bill ...	21·6	+6	W	4	bc	60	75	54	8	2	–	–	4-6	4-6	4000
	Plymouth ...	23·1	+6	NW'W	3	c-bc	60	55	44	9	1	–	1	7-8	7-8	3000
	The Lizard ...	23·6	+16	NW	3	bc	57	75	47	8	2	–	–	4-6	4-6	3000
	Scilly (St. Mary's)	24·4	+14	NW	3	c-bc	59	65	46	8	8	4	–	7-8	7-8	1500
	Guernsey ...															
6	Pembroke ...	22·9	+12	NW	4	bc	55	65	43	9	2	6	1	4-6	4-6	2500
7	Holyhead (Valley)	20·5	+10	W's	4	c-bc	57	55	42	9	2	–	–	7-8	7-8	2500
	Chester (Sealand)	19·8	+8	NW	3	c-bc/pr	55	65	42	8	2	–	–	7-8	7-8	2500
8	Manchester ...	19·5	+8	W'N	4	bc/pr	52	65	42	8	2	6	–	4-6	4-6	2500
10	Spurn Head ...	18·1	+2	NW'W	4	bc	58	65	47	7	1	–	–	4-6	4-6	2500
	Catterick (Sc.) ...	17·3	+6	WNW	4	pr	53	75	46	9	3	6	–	4-6	4-6	3500
	Tynemouth ...	16·7	+4	WSW	4	c-bc	55	55	39	7	2	3	–	4-6	7-8	2200
11	St. Abbs Head	13·3	+8	W	4	bc	53	55	37	8	2	4	–	2-3	4-6	3000
	Leuchars ...	13·3	+6	WSW	5	pr	51	75	42	8	3	6	–	4-6	9	1200
12	Renfrew (Abbotsl.)	14·8	+2	SW'W	4	bc/pr	51	65	41	8	3	–	–	4-6	4-6	2500
	Eskdalemuir ...	15·7	+2	SSW	3	c-bc/pr	45	85	40	8	7	–	–	7-8	7-8	2100
	Point of Ayre ...	17·8	+18	NW'W	5	b	56	65	43	8	2	–	–	1	1	3000
13A	Tiree	13·0	+6	W'S	5	c-bc	50	92	47	8	3	6	3	4-6	7-8	2000
13B	Stornoway ...	08·5	+10	WSW	5	c-bc	51	75	43	8	3	6	3	4-6	7-8	1800
15	Dalwhinnie ...	12·0	+14	SW	3	ir	44	85	40	7	5	–	8	4-6	7-8	1500
	Aberdeen ...	11·4	+10	WSW	3	c	56	46	47	9	1	3	3	7-8	9	2500
	Wick ...	08·4	+10	WSW	5	bc	53	85	48	9	3	–	3	4-6	4-6	2000
16	Sumburgh ...	04·6	+22	W'S	5	c	51	85	46	9	3	6	3	7-8	9	1500
17	Blacksod Point	19·3	+10	WSW	5	bc/pr	54	65	43	8	3	–	3	4-6	4-6	1500
18	Malin Head ...	14·6	+6	WSW	5	pr	51	65	40	8	8	–	–	4-6	4-6	1500
	Aldergrove ...	17·1	0	WSW	4	pr	54	65	41	6	5	–	–	4-6	4-6	2500
19	Birr Castle ...	21·0	+10	SSW	2	b-bc	58	65	43	8	3	–	–	2-3	2-3	1500
20	Valentia Obsy.	23·7	+6	W'N	4	b-bc	54	65	43	8	3	6	–	2-3	2-3	2500
	Roches Point	23·4	+10	NW	3	bc	56	75	48	8	2	–	4	2-3	4-6	2500

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

Barom. at M.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)
23·4	+18	WNW	2	z_o	56	55	41	5	8	5	6	4-6	4-6	2500	1	*
23·0	+18	W	2	bc	55	55	40	5	4	4	9	2-3	4-6	4000	0	*
23·2	+18	WNW	2	bc	56	65	44	8	4	–	5	Tr	4-6	3500	0	*
23·4	+20	NW'W	3	bc	53	65	42	8	2	4	8	2-3	4-6	3500	4	*
23·4	+22	WNW	2	bc	61	75	47	7	2	4	4	1	4-6	4000	0	*
22·6	+22	NW'W	2	bc	57	55	42	8	2	–	–	1	2-3	2500	0	3
22·3	+16	NW	3	bc	56	75	47	7	1	–	9	1	4-6	4000	0	*
21·9	+16	NW	2	bc	55	65	43	8	5	4	1	4-6	4-6	4000	0	*
21·4	+14	W	3	b-bc	57	58	42	8	2	–	–	1	2-3	2500	0	3
20·6	+18	NW	2	z_o	57	65	47	6	2	–	–	4-6	7-8	2500	0	2
21·7	+14	W	3	z_o	53	75	46	6	5	–	2	4-6	9	5700	0	*
21·5	+20	W'N	3	bc	53	65	43	7	2	–	1	4-6	4-6	2500	0	*
23·0	+14	W	2	b	52	65	41	8	–	T	–	0	Tr	–	1	*
22·7	+24	W	2	c-bc	51	75	42	9	1	–	2	1	7-8	4000	0	*
23·3	+20	W	2	b	51	65	39	9	2	–	1	Tr	1	3000	1	*
25·0	+18	WNW	3	bc	53	65	42	9	1	–	5	2-3	4-6	3000	0	3
24·0	+14	W'N	3	bc	51	75	43	7	4	4	6	Tr	4-6	4000	0	*
23·8	+12	WNW	3	bc	57	75	49	8	2	–	–	4-6	4-6	4000	1	4
25·3	+16	NW	3	bc	54	65	41	8	1	4	2	1	4-6	3000	0	2
25·5	+8	NW	3	bc	53	75	44	8	2	3	2	4-6	4-6	3000	0	3
26·2	+14	NW'N	3	c-bc	54	65	43	8	8	4	–	7-8	7-8	1700	0	3
24·4	+12	WNW	3	bc	54	65	42	9	1	4	–	2-3	4-6	2500	0	3
22·0	+6	WSW	4	b-bc	53	55	39	9	2	6	–	2-3	2-3	3000	1	1
21·8	+14	W	1	b-bc	51	65	39	8	2	4	–	2-3	2-3	3000	0	*
21·7	+14	W'S	3	b	48	75	41	7	2	–	–	1	1	2500	0	*
20·5	+14	W	4	c-bc	54	65	43	7	1	3	–	4-6	7-8	2500	0	2
19·8	+8	WSW	4	c-bc	38	85	33	8	9	–	5	7-8	7-8	2000	0	*
18·3	+12	WSW	4	bc	51	65	40	6	2	–	–	4-6	4-6	2200	0	2
14·6	+4	W	4	bc/pr	46	75	37	8	2	4	1	2-3	4-6	2500	0	4
14·2	+2	WSW	2	bc	46	85	42	8	3	7	–	2-3	4-6	2500	0	*
16·2	+14	WSW	3	c-bc/pr	46	85	41	8	3	–	3	4-6	7-8	2000	2	*
17·4	+8	WSW	4	pr	44	85	40	8	5	–	–	7-8	7-8	2100	1	*
19·1	+4	WNW	6	b	51	75	43	8	3	–	–	4-6	4-6	3500	1	4
12·9	+14	W	3	bc	48	92	46	8	2	–	4	2-3	4-6	1800	1	2
10·6	+16	W	3	bc/pr	45	92	43	8	3	–	–	4-6	4-6	1000	1	2
13·3	+6	SW	3	c	39	85	35	8	5	–	–	9	9	1500	1	*
12·3	+12	SW	3	c	50	65	39	8	5	3	9	4-6	9	2500	1	2
10·0	+8	SW	3	c	44	85	40	9	3	7	–	2-3	10	1500	1	*
05·3	-2	WSW	6	bc	50	85	44	8	3	–	–	4-6	4-6	1500	1	4
20·8	+10	W	5	c-bc/pr	51	75	44	8	9	–	–	7-8	7-8	1500	1	4
16·7	+16	W'S	5	pr	51	75	43	8	8	–	4	4-6	9	1500	2	4
19·1	+10	SW'W	4	bc	49	75	39	8	5	4	–	2-3	4-6	2500	1	*
22·3	+10	W	2	bc	51	75	44	8	5	–	–	4-6	4-6	1500	1	*
25·1	+10	WNW	3	b-bc	52	75	44	9	3	6	–	2-3	2-3	2500	1	3
24·7	+10	NW'W	3	b	54	75	46	8	2	–	–	1	1	2500	1	3

PAST 24 HOURS. WEATHER.

7h.—13h. (39)	13h.—18h. (40)	18h. 2nd to 1h. 3rd (41)	1h.–7h. 3rd (42)
cm_obcy	bcybcz$_o$	bmmow	bwx
cbc	bcybcz$_o$	bzomow	bmowfg
cbc	bc	bcbw	bbmox
bcybc	bcbcybc	bbw	bwbmowsbx
bcbcy	bcybc	bmow	bmowb
cddm$_o$c	cbcybc	bcbmow	bmowbmo
em$_o$bc	bcyb	bcbmo	bwmomo
cwbccy	cybcybc	cybcybc	bcmow
bcy	bcy	bcyb	bmob
bcy	bcz	bcblw	bcwbc
cbbbc	bc	cmob	bb now
bcbcy	bcybc	bbmo	bmobcmo
b	cbcc	b	b
bbc	bczvcy	cb	bmo
bbcy	cpobcv	bb	bwbcc
bcpro	cprobc	bc	bcc
bwbbc	bcvbc	bbmow	bmo xbcw
cbc	bcc	bcbc	bcc
cvbcvy	bcvy	bcvbmo	bmowif
bc	bcy	bcw	bcc
bcc	cbcc	cbc	bccbc
bc	bc	bc	bc
cbcy	bcy	bbc	b
bcpro	prhobc	bmo	bmobc
bczocpr	procb	bbcpro	bbw
bc	bc	b	bczo
bcv	c	bbc	bbcc
bbcc	cbc	bcmob	bbcc
bbc	cbcpr	bcb	bbcc
bcpro	cprogpgbc	bcprobcb	bbcwiroc
bccprqbc	prpHpb	bcprbcprobc	cpr
bcchprc	cprecpr	ciro	cpio
bbccb	prcb	b	bbcc
cjpc	probcjp	bccr	crrmo
bcpro	cprhbc	bcc	cpiocrrmo
cbcprc	cpr		ciro
bbccy	cyc	cbcb	bbcc
bbcbcpro	bccprocprgbcprprocb		bbbcc
cjpro	cpro	cprobc	bcpro
pr	pr	pr	c
pr	pr	pr	r
bbccpr	bcprmbcc	bcb	bbcc
pr	pr	b	c
pr	b	b	pr
bc	pr	b	b

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England	Winds westsouthwest, moderate to fresh locally; fair apart from a little local rain tonight; considerable bright periods near the South coast; rather cold at first, then somewhat milder.
South Wales	As 19-20
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England	Fresh to strong southwest to west winds with gale locally on coast at first; becoming cloudy with some occasional rain mostly slight; rather cold.
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	Strong to gale southwest to west winds easing temporarily, but probably renewed during tomorrow; some rain in the East at first; then bright intervals and showers with further general rain later; changeable temperature.
16 Orkneys and Shetlands	As 11- 15
17 N. W. Ireland 18 N. E. Ireland	As 7- 10
19 S. E. Ireland 20 S. W. Ireland	Fresh southwest winds, strong locally on the coast, mainly fair apart from local showers at first; then cloudy with some local light rain or drizzle; becoming milder.

GENERAL INFERENCE

A belt of high pressure covers the English Channel and Southern England. A deep depression is moving quickly eastwards to north of the British Isles; and another secondary disturbance is expected to form on the Atlantic and move quickly east. Weather will be changeable and rather stormy in the North, but will continue mainly fair in the South.

FURTHER OUTLOOK

Mainly fair in the South, rather disturbed and changeable in the North.

Gale warning in operation in districts 13A, 13B, 15, 16, 18, issued at 04·30 G.M.T. 3rd October and in districts 7, 8, 11, 12, 14, 17, 20 issued at 08·50 G.M.T. 3rd October

Forecasts issued at 10·30

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

7h. Sunday 3rd October 1943.

0° 5°W. 0° 5°E. 10°

60° 55° 50°

LOW

HIGH

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in 6mbs.

Weather in past hour

Past weather

Scale 1.: 5,000,000

Mb. In.

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

Ps. 523/4556. We. 8091. D. w545. Gp. 948/2. 7440. 10/43.

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 3rd October

1943.

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. Δ Hail. Fog. ≡ Mist. = Thunder. T Thunderstorm. K Slight haze.

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

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

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

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

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

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 3rd October, 1943 — No. 2200

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Dirve. (3)	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	*	*	*	*	*	44	*	*	*	*	*	*	*	*	*
	Croydon ...	290	27·0	+12	N	1	b	48	85	39	6	-	-	-	0	0	-
	S. Farnborough	226	27·1	+6	N	1	b	39	97	38	7	-	-	-	0	0	-
	Boscombe Down	417	27·4	+6	-	0	b	41	92	39	7	-	-	-	0	0	-
	Thorney Island	10	27·1	+10	NW	2	2o	42	92	41	6	-	-	-	0	0	-
	Lympne ...	283	26·4	+10	NNW	3	2o	45	85	40	6	-	-	-	0	0	-
	Manston ...	154	26·2	+14	N'N	1	2o	46	92	44	5	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	25·8	+10	N'N	3	b	49	75	42	7	-	-	-	0	0	-
	Gorleston ...	5	24·0	+10	N	2	b	46	75	38	7	-	-	-	0	0	-
	Mildenhall ...	15	25·3	+6	SW	3	b	42	92	40	7	-	-	-	0	0	-
	Cranwell ...	203	24·2	0	SW	2	2o	48	92	40	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	26·3	+6	NSW	1	2o	41	92	38	6	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	26·8	+4	NNW	3	b-bc	53	75	45	8	1	-	-	2-3	2-3	4000
	Bristol ...	209	27·2	+6	-	0	2o	39	97	38	6	-	-	-	0	0	-
	Portland Bill ...	32	26·7	+6	NW	3	bc	52	85	48	8	2	-	-	4-6	4-6	4000
	Plymouth ...	86	28·6	+8	NE	1	2o	40	92	39	6	-	-	-	0	0	-
	The Lizard ...	240	28·3	+6	-	0	b-bc	47	85	43	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	28·2	+2	NNW	3	bc	51	75	48	8	8	-	-	4-6	4-6	1500
	Guernsey ...	175															
6	Pembroke ...	142	26·5	+6	NNW	3	bc	53	65	43	8	7	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	24·2	+4	N'S	5	bc	51	75	43	8	8	-	-	4-6	4-6	3000
	Chester (Sealand)	16	24·4	+8	SW	2	2o	45	75	40	6	-	-	-	0	0	-
8	Manchester ...	230	24·2	+6	SSW	3	b	43	85	38	7	4	-	-	1	1	2500
10	Spurn Head ...	29	23·0	+6	NSW	4	b	47	85	43	7	-	-	-	0	0	-
	Catterick (Sc) ...	192	22·1	+10	SW	1	b	45	92	42	8	5	3	-	Tr	1	3000
	Tynemouth ...	108	20·4	+4	N	3	b	47	86	43	7	-	-	-	0	0	-
11	St. Abbs Head	280	16·9	+6	SW	4	b-bc	45	75	39	7	4	-	-	2-3	2-3	4000
	Leuchars ...	36	17·4	+6	NSW	3	b	41	92	39	8	-	-	-	0	0	-
12	Renfrew (Abbotsl.)	19	18·1	+4	SSW	3	b/pr	47	85	44	7	3	-	3	2-3	4-6	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	21·4	0	NNW	4	b	50	85	46	8	5	-	-	Tr	Tr	3000
13A	Tiree	44	15·9	-10	W'S	3	bc	50	92	48	8	2	-	-	4-6	4-6	1500
13B	Stornoway ...	12	12·1	-10	SW	3	c	45	85	42	7	5	-	-	10	10	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	15·4	+10	WSW	3	b	42	85	37	9	-	-	-	0	0	-
	Wick ...	114	13·0	+4	SW	3	b	40	92	37	8	2	-	-	Tr	Tr	2500
16	Sumburgh ...	19	10·5	+18	NNW	2	c-bc	46	85	41	8	2	-	-	7-8	7-8	2500
17	Blacksod Point	18	20·4	-12	WSW	5	b	52	75	44	8	3	-	-	1	1	2500
18	Malin Head ...	84	17·9	-2	SW	4	pr	49	75	41	8	2	-	-	9	9	1500
	Aldergrove ...	268	21·1	-2	SW	3	b	44	85	41	8	5	-	-	Tr	Tr	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	25·8	-6	SW	3	b-bc	50	75	42	8	5	-	-	2-3	2-3	2500
	Roches Point	22	26·5	0	NNW	2	b	48	85	44	8	5	-	-	Tr	Tr	2500

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

Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Dirve. (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)
28·1	+8	SW'N	1	2o	41	92	39	5	5	-	-	Tr	Tr	4000	1	*
28·4	+10	SSW	1	b	38	92	38	6	-	-	1	0	Tr	-	0	*
28·5	+10	-	0	2o	32	92	30	6	-	-	-	0	0	-	8	*
28·2	+8	-	0	fg	37	97	37	7	-	7	-	0	Tr	-	0	*
28·3	+10	-	0	fg	36	97	35	7	5	-	1	Tr	1	2500	0	*
28·0	+8	NNW	1	b	43	85	39	7	-	-	-	0	0	-	0	3
28·1	+10	W'S	1	2o	42	92	38	5	-	-	1	0	Tr	-	0	*
27·4	+8	W'S	2	2o	45	92	43	5	-	-	1	0	Tr	-	1	*
27·3	+12	N	2	b	44	85	39	7	-	-	1	0	Tr	-	0	2
25·2	+6	N'N	2	b-bc	42	92	39	7	-	-	1	0	2-3	-	0	2
26·7	+14	SSW	3	b	42	92	40	7	-	4	1	0	1	-	0	*
25·4	+10	SW'W	3	2o	41	97	40	6	-	3	5	0	4-6	-	0	*
25·9	+4	SW	2	b	43	92	41	8	-	7	1	0	Tr	-	1	*
26·3	+6	NSW	1	2o	39	97	38	6	5	-	1	2-3	2-3	4000	0	*
26·7	+8	SSW	1	c-bc	45	85	41	7	5	-	1	7-8	7-8	3500	1	*
26·9	+4	NNW	4	c-bc	54	75	45	8	2	6	-	1	7-8	2500	0	3
27·3	+6	SSW	2	c	50	65	39	7	5	-	-	9+	9+	4000	0	*
27·8	+10	W	2	c-bc	54	85	50	8	2	-	-	7-8	7-8	4000	1	3
28·8	+6	E'N	2	fg	38	97	37	6	5	4	-	2-3	2-3	3000	1	1
28·1	+2	NW	3	c-bc	51	75	42	8	2	-	-	7-8	7-8	2000	0	3
28·2	+2	N	5	bc	51	75	44	9	5	4	-	4-6	4-6	1500	0	3
25·9	+2	N	5	c-bc	54	65	41	9	8	6	1	4-6	7-8	2500	0	3
23·7	-2	SW'N	6	bc	52	55	37	8	8	4	1	4-6	4-6	3000	1	4
24·2	+2	S'N	2	bc	45	85	40	9	2	3	9	2-3	4-6	3000	0	*
24·7	+6	S	3	bc	42	92	39	8	1	-	1	2-3	4-6	3000	1	*
23·9	+10	SW	4	c-bc	44	85	38	6	7	4	6	4-6	7-8	4000	0	1
21·7	-2	S	1	c-bc	47	92	45	8	5	3	-	4-6	7-8	3000	0	*
20·4	+2	NSW	3	c-bc	43	75	42	7	5	3	-	4-6	7-8	2800	0	2
16·6	0	SW	4	c	45	85	40	8	5	7	-	7-8	10	3000	0	3
14·9	-16	SW	3	c/r	47	85	44	8	5	7	8	7-8	10	2000	1	*
15·2	-18	SW	4	rc/c	48	85	45	7	5	2	-	2-3	10	1600	1	*
17·9	-14	SW	4	pr	45	85	42	8	5	2	-	7-8	10	1400	1	*
20·3	-10	W'S	4	c	50	85	46	8	2	7	7	1	9+	2500	0	3
10·3	-32	SW	7	rc/c	52	87	52	6	6	2	-	10	10	600	1	4
02·8	-62	SSW	7	rr	48	92	47	6	6	2	-	9	10	600	2	4
12·2	-22	SSW	3	ir	42	92	39	7	5	2	-	7-8	10	1500	1	*
13·4	-16	SSW	2	c	45	75	38	9	5	2	-	Tr	10	2500	1	1
09·3	-26	SSW	3	c	46	85	41	8	5	2	-	2-3	10	1500	0	*
08·3	-22	SSW	5	pr	46	85	42	8	3	-	6	7-8	9+	2000	1	4
17·5	-12	WSW	7	c	54	85	50	8	5	-	-	9+	9+	2500	1	5
13·1	-26	SSW	6	r	51	85	47	8	6	2	-	2-3	10	1500	2	4
18·8	-14	SSW	4	c	45	85	41	8	5	7	-	4-6	10	4200	1	*
22·0	-6	SW	3	c-bc	48	85	44	8	5	3	-	4-6	7-8	2500	1	*
24·4	-2	SW	4	c	53	85	49	8	8	-	-	9	9	2500	1	3
25·4	0	W	2	c-bc	49	92	47	8	3	-	-	2-3	2-3	1500	1	3

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)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 2nd Hrs. (38)
1	*	61	39	23	-	Tr	8·7
0	*	62	38	32	-	Tr	4·3
0	*	63	32	22	-	-	9·0
0	*	61	34	30	-	Tr	10·1
0	*	67	34	29	-	-	*
0	3	*	39	31	1	-	5·6
0	*	62	41	35	Tr	-	5·0
1	*	69	41	34	-	-	7·9
0	2	65	43	36	Tr	-	*
0	2	61	41	37	-	-	7·8
0	*	62	40	33	-	Tr	0·0
0	*	61	39	30	-	-	8·9
1	*	59	42	36	-	-	9·1
0	*	60	37	30	-	-	*
1	*	62	41	33	Tr	-	8·7
0	3	57	52	47	Tr	-	8·2
0	*	60	38	27	-	Tr	10·1
1	3	60	43	*	-	-	*
0	*	61	36	30	-	-	10·0
0	3	58	46	*	-	-	10·3
0	3	60	43	*	-	-	8·5
0	3	56	52	*	-	-	8·4
1	4	58	49	45	-	-	*
0	*	57	43	29	2	-	9·1
1	*	56	40	35	0·2	Tr	*
0	1	58	43	*	-	-	8·6
0	*	58	42	35	-	-	9·5
0	2	56	45	41	-	-	*
0	3	54	42	*	0·5	Tr	*
0	*	51	40	35	0·5	0·1	7·7
1	*	54	44	40	7	2	4·1
0	3	53	37	30	3	1	6·2
0	3	57	47	*	10	-	7·5
0	4	55	45	43	2	6	5·5
0	4	52	40	35	1	5	5·1
0	*	47	35	30	12	5	3·3
0	1	56	41	36	-	-	7·1
0	*	54	39	34	0·1	Tr	*
1	4	52	44	36	0·2	1	4·4
0	*	53	50	*	1	Tr	*
0	3	53	47	*	4	1	5·2
1	*	54	42	39	1	-	8·0
1	*	56	42	37	1	-	6·8
1	3	*	48	42	1	0·1	7·8
1	3	58	47	*	Tr	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 2nd October — IIICLCM	wwVhNh	DDFWN	ClCM	wwVhNh	DDFWN	01h. G.M.T. 3rd October ... 07h. G.M.T. ClCM	wwVhNh	DDFWN	ClCM	wwVhNh	DDFWN
109 86	25755	24486	86	81745	28587	8-	01754	21314	77	61856	30528
115			27	8154	24486	24	02854	24424	82	64744	16466
203						8-	88844	24584			
206 36	81954	55685	36	25963	24483	50	01851	22281	52	61864	19368
210 36	81964	21514	96	10844	20227	30	01963	20213	52	02963	16428
219 36	25954	22585	30	01954	26484	51	02855	21488	62	64457	18768
230 3-	80955	55485	3-	25865	22286	87	25854	20188	5-	64648	49488
245 26	02954	23415	34	02953	22314	00	00890	20210	57	21751	20458
260 36	02755	20515	9-	81636	20586	40	05553	20113	57	61663	20328
276											
279 26	01854	22414	96	02864	24485	00	00890	24510	52	02834	56618
285 33	25744	28584									
288 36	01863	56514	56	01863	20413	00	00790	18300	29	01951	17417
575 36	82744	20285	96	01864	24485	50	01852	20312	57	02855	51427
301 2-	02855	24485	20	02855	24425	40	01863	25483	26	02854	21585
321 80	05664	24324	40	05662	25212	50	05663	12102	53	16205	23742
299 14	01853	26314	80	01753	22313	00	00790	22200			
292 26	02954	24325	26	01952	22213	40	01761	18108	53	10654	18316
310 --	01634	24314									
614 7-	01754	24324	20	05652	25113	00	05690	26200	04	05590	25214

13h. G.M.T. 2nd October — IIICLCM	wwVhNh	DDFWN	ClCM	wwVhNh	DDFWN	01h. G.M.T. 3rd October ... 07h. G.M.T. ClCM	wwVhNh	DDFWN	ClCM	wwVhNh	DDFWN
333 20	01964	22414	20	01963	23213	10	01761	22111	20	01863	22213
334 --	27654	28325	--	01748	28413	-					
340 26	01954	26314	40	01952	24213	00	00890	20300	53	01864	18204
136 26	01864	23314	46	02765	25317	00	00790	22200	00	05690	20202
336 23	01754	28415	20	01753	24313						
350 1-	02765	24315	46	01763	24214	00	00790	20110	04	05690	16302
368 20	01854	24314	10	01953	24213	50	01854	00014	5-	51854	24365
379						00	00890	24200	53	02755	20205
390 10	01764	24224	06	01790	22213	00	05690	24100	00	08490	18201
382 10	01854	27824				00	00790	20100	54	04656	23116
438 53	01763	24314	04	01790	22313	00	00890	30300			
430 01	01964	23214	00	01890	26114				00	00790	00000
409 20	26954	27884	20	01953	28314	40	01854	00014	8-	10966	18116

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.
CL CM = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 3rd October,
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 ...	cn6bcy	byb c2o	bm6bux	Kew 24 hours ended 7h. Max. Time 0·3 19-20h 2nd
Croydon ...	cbc	bcybc2o	bm6wfg	
Greenwich ...	bcy	bcy	bcbx	
Camden Square	b	b	*	
Kensington ...	bc	bc	*	
Hampstead ...	bc	bc	b	Min. Time <0·1 11-15h 2nd

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	61	39	23	-	Tr	8·7	*	*
Croydon ...	62	38	32	-	Tr	4·3	*	*
Greenwich ...	64	37	25	-	-	7·8	44	69
Westminster ...	65	41	34	-	-		57	83
Regents Park ...								
Camden Square	64	41	32	-	-	*	*	73
Kensington ...	65	40	29	-	-		66	73
Hampstead ...	63	39	32	-	-		*	76

SECRET

Page 1

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

BRITISH SECTION

Monday 4th October 1943 — No. 29901

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (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)	26·3	-16	SW	3	c-bc	58	55	40	8	7	-	-	7-8	7-8	2500
	Croydon ...	27·0	-14	SW	4	bc	59	45	37	8	1	-	-	1-6	1-6	3000
	S. Farnborough	26·7	-18	W	3	c-bc	60	55	43	8	7	-	-	7-8	7-8	3000
	Boscombe Down	26·3	-14	W	3	c-bc	61	55	44	8	2	-	-	7-8	7-8	3000
	Thorney Island	27·2	-10	SW'W	3	bc	62	45	33	9	1	-	-	1-6	1-6	4000
	Lympne ...	27·1	-14	W'S	3	b-bc	55	65	43	9	1	-	2	1	2-3	3000
	Manston ...	26·9	-18	SW'W	2	b-bc	60	35	35	8	1	-	1	1	2-3	3000
2	Shoeburyness ...	26·8	-8	SW	3	b	62	45	40	8	7	-	-	2-3	2-3	4000
	Felixstowe ...	26·2	-10	SW	4	c	59	45	40	8	5	-	-	9	9	2500
	Gorleston ...	24·9	-10	W	4	c	59	45	39	7	8	7	-	7-8	9	1500
	Mildenhall ...	24·9	-10	SW'W	5	c	57	65	47	8	7	-	4	1-6	9+	2500
	Cranwell ...	23·1	-18	W'S	5	c	58	55	44	8	2	6	2	7-8	9	2500
3	Birmingham ...	23·9	-8	WSW	4	c	55	75	48	8	5	-	-	-	9+	1500
	Upper Heyford	25·7	-12	WSW	3	c	54	75	45	7	7	-	-	1-6	10	2500
4	Ross-on-Wye	25·1	-12	SW	3	c	55	75	46	8	5	-	-	9+	9+	3000
5	Hartland Point	26·2	-8	WNW	4	c-bc	56	75	46	8	2	6	-	1-6	7-8	2000
	Bristol ...	26·7	-10	SW	4	c-bc	56	65	43	8	7	-	1	7-8	7-8	4000
	Portland Bill ...	27·4	-16	W	4	c-bc	59	85	55	8	2	-	-	7-8	7-8	4000
	Plymouth ...	27·8	-10	W'S	3	c-bc	58	55	41	8	7	-	-	7-8	7-8	3000
	The Lizard ...	27·9	-10	WSW	3	c-bc	59	55	42	8	2	-	-	7-8	7-8	2500
	Scilly (St. Mary's)	27·9	-12	W	4	bc	61	45	41	9	5	4	-	1-6	1-6	1500
	Guernsey ...															
6	Pembroke ...	25·4	-6	W'S	5	c-bc	56	65	45	8	2	-	-	7-8	7-8	2500
7	Holyhead (Valley)	22·2	-10	SW'S	6	c-bc	57	65	48	8	8	4	6	1-6	7-8	2500
	Chester (Sealand)	22·4	-14	WSW	4	c-bc	58	55	41	8	8	-	6	1-6	7-8	2500
8	Manchester ...	22·0	-16	WSW	4	bc	58	55	41	8	2	4	6	1-6	1-6	3000
10	Spurn Head ...	22·2	-18	WSW	5	cq	57	55	41	7	2	7	-	7-8	9+	2500
	Catterick (Sc) ...	19·9	-12	SW	5	c	54	75	46	9	5	7	-	7-8	9+	2000
	Tynemouth ...	17·3	-20	WSW	5	2_o	57	65	46	6	8	-	-	7-8	7-8	2800
11	St. Abbs Head	10·2	-34	SSW	7	c	52	75	45	8	5	4	-	7-8	9+	2000
	Leuchars ...	09·5	-20	SW	7	ir_o	52	85	48	7	5	3	-	7-8	9+	600
12	Renfrew (Abbotsl.)	11·2	-18	SW	5	rr	53	92	50	5	6	2	-	9	10	700
	Eskdalemuir ...	15·0	-10	SW'S	7	rr	48	92	47	6	6	2	-	7-8	10	900
	Point of Ayre ...	17·8	-18	W	6	c	56	75	48	8	8	7	7	2-3	10	2500
13A	Tiree	09·0	+2	WSW	4	$r_o r_o$	53	97	53	6	6	2	-	10	10	500
13B	Stornoway ...	02·0	+6	SW	6	$r_o r_o$	62	85	48	6	5	2	-	7-8	10	1000
15	Dalwhinnie ...	07·0	-6	WSW	4	ir	48	75	41	7	5	2	-	1-6	10	2500
	Aberdeen ...	06·7	-22	SW	5	c	54	75	46	8	5	7	-	1-6	9+	2600
	Wick ...	03·3	-12	SSW	5	c	53	85	48	8	5	2	-	1-6	10	1500
16	Sumburgh ...	99·0	-6	SW	5	c	54	75	46	8	5	7	-	1-6	9+	2500
17	Blacksod Point	15·5	-4	SW	7	c	56	85	51	7	6	-	-	10	10	1500
18	Malin Head ...	11·4	-6	W'S	7	pr	55	85	50	8	8	-	-	10	10	1500
	Aldergrove ...	15·7	-16	W'S	2	c	53	85	49	8	6	2	1	9	10	2000
19	Birr Castle ...	19·9	-6	WSW	4	c	58	75	50	8	5	-	-	7-8	10	2500
20	Valentia Obsy.	28·0	-10	SW'S	6	ir_o	57	75	49	8	5	-	-	10	10	2500
	Roches Point	24·0	-4	WSW	4	bc	57	85	42	8	2	-	-	4-6	10	1500

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. 0–12 Force (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)	28·9	-8	WSW	2	2_o	55	65	42	5	5	-	1	1-6	1-6	2500	1	*
	Croydon ...	24·6	-12	WSW	2	2_o	55	65	42	5	5	-	-	7-8	7-8	3000	0	*
	S. Farnborough	24·5	-10	SW'W	3	bc	53	65	43	8	5	8	9	1-6	1-6	3000	0	*
	Boscombe Down	24·9	-20	W'S	2	c	53	75	44	8	5	7	-	9	9+	2000	0	*
	Thorney Island	25·7	-6	SW'W	3	b-bc	55	65	45	8	1	7	-	Tr	2-3	4000	0	*
	Lympne ...	25·9	-6	SW'S	2	b-bc	50	75	43	8	1	-	1	2-3	2-3	3000	0	§
	Manston ...	24·9	-8	SW'W	3	b	52	55	38	8	1	-	1	Tr	1	3000	0	*
2	Shoeburyness ...	24·4	-4	SSW	3	b-bc	55	66	44	7	5	3	-	2-3	2-3	4000	0	*
	Felixstowe ...	23·8	-10	SSW	4	b	55	65	43	7	5	-	-	1	1	4000	0	3
	Gorleston ...	22·8	-12	SW	3	bc	56	65	45	7	5	-	3	1-6	1-6	2000	0	3
	Mildenhall ...	22·7	-12	SW'S	3	c	56	75	47	8	5	4	-	9+	9+	4000	0	*
	Cranwell ...	20·7	-8	WSW	3	bc	52	85	47	7	-	7	2	0	1-6	-	0	*
3	Birmingham ...	21·8	-10	SW	3	c	54	75	48	8	6	-	-	9	9+	1500	1	*
	Upper Heyford	23·5	-10	WSW	4	c	53	75	44	8	5	-	-	9+	9+	5000	0	*
4	Ross-on-Wye	22·8	-14	SSW	2	c	54	75	46	8	5	-	-	9	9	3500	1	*
5	Hartland Point	28·8	-14	W	5	c-bc	56	75	48	8	2	7	-	2-3	7-8	2000	0	4
	Bristol ...	24·6	-12	SSW	3	c	54	75	47	8	5	-	-	9	9	4300	0	*
	Portland Bill ...	25·2	-8	SW	4	c-bc	56	85	52	8	5	-	-	7-8	7-8	4000	1	3
	Plymouth ...	25·8	-10	WSW	3	c	56	97	55	8	5	4	-	7-8	9	2500	0	2
	The Lizard ...	26·0	-12	SW	4	c	54	65	42	8	5	-	-	9	9+	2000	1	4
	Scilly (St. Mary's)	25·9	-10	W	3	c	55	65	42	9	5	-	9	10	10	1800	0	3
	Guernsey ...																	
6	Pembroke ...	22·7	-10	W'S	6	c-bc	56	75	47	8	8	4	-	1-6	7-8	2500	0	4
7	Holyhead (Valley)	18·8	-22	SW'S	7	c	56	85	50	8	5	7	-	7-8	10	2500	1	5
	Chester (Sealand)	19·3	-14	WSW	4	c-bc	56	65	44	8	6	4	9	1-6	7-8	2400	0	*
8	Manchester ...	19·8	-10	SSW	4	c	54	75	45	9	4	6	6	9	9+	2500	1	*
10	Spurn Head ...	19·2	-14	SW'W	5	cq	56	65	43	7	7	4	-	1-6	9+	2500	0	3
	Catterick (Sc) ...	17·2	-16	SW	5	c	55	75	47	8	5	2	-	7-8	10	2800	0	*
	Tynemouth ...	14·7	-16	SW	5	c	55	86	49	7	5	-	-	9	9	2800	0	3
11	St. Abbs Head	09·0	-8	SW	3	c	55	75	45	7	6	7	-	7-8	9+	2500	0	4
	Leuchars ...	08·9	-14	SW'S	4	rr	54	85	51	6	6	2	-	7-8	10	500	1	*
12	Renfrew (Abbotsl.)	11·6	-24	SSW	6	rr	51	92	48	6	-	2	-	10	10	400	1	*
	Eskdalemuir ...	15·7	-8	W	6	c	56	75	49	8	5	7	-	2-3	10	500	1	*
	Point of Ayre ...	06·6	-18	WSW	4	dr	52	97	52	8	6	2	-	7-8	7-8	500	1	4
13A	Tiree	01·3	-4	WSW	5	c	49	92	47	7	8	7	-	7-8	9+	1400	2	3
13B	Stornoway ...	05·8	-10	W	2	rr	47	92	45	6	5	2	-	9	10	1500	1	*
15	Dalwhinnie ...	03·2	0	SSW	1	ir	49	85	46	7	8	2	-	7-8	9+	2000	1	*
	Aberdeen ...	02·4	-12	SSW	5	bc/pr	50	92	48	8	8	6	3	1-6	1-6	2000	1	4
16	Sumburgh ...	98·1	-2	WSW	5	bc/pr	50	92	48	8	8	6	3	1-6	1-6	2000	1	4
17	Blacksod Point	13·1	-14	SW'W	7	id	55	85	50	6	6	2	-	1-6	10	1500	1	5
18	Malin Head ...	08·6	-22	WNW	7	id	54	85	50	8	8	2	-	2-3	10	800	2	5
	Aldergrove ...	12·8	-18	SW	4	$r_o r_o$	53	92	51	6	6	2	-	7-8	10	1000	1	*
19	Birr Castle ...	16·9	-16	WSW	4	c	55	85	50	8	6	7	-	4-6	9	800	1	*
20	Valentia Obsy.	20·7	-14	SW	5	c	56	85	51	7	5	-	-	10	10	1500	1	5
	Roches Point	21·7	-14	W'S	4	c	55	85	50	8	8	-	-	9	9	1500	1	4

PAST 24 HOURS.

District	Stations (For heights see p. 4.)	Weather. 7h.–13h. 3rd ... (39)	Weather. 13h.–18h. 3rd ... (40)	Weather. 18h. 3rd to 1h. 4th (41)	Weather. 1h.–7h. 4th ... (42)
1	London (Kew)	bccwmbcy	bcz$_o$y	bcyez$_o$	c
	Croydon ...	bmfqwsb	ybcycy	bcz$_o$bz$_o$	cbccv
	S. Farnborough	bbcy	bcybc	bccbcc	cbcc
	Boscombe Down	bxcbcy	bcybcc	bccbcb	bbcc
	Thorney Island	bm$_o$bcy	bcybc	bcc	cm$_o$c
	Lympne ...	by	bybc	bbc	bcbcm$_o$c
	Manston ...	bm$_o$bz$_o$by	by	bybm$_o$	bbcc
2	Shoeburyness ...	bcmwrcy	bcybc	bc	bcc
	Felixstowe ...	bm$_o$b	cybcyb	b	bcc
	Gorleston ...	bccy	bc	bcl	bc
	Mildenhall ...	bbcc	c	cbcb	cbc
	Cranwell ...	c	cm$_o$bcm$_o$	bcc	bcc
3	Birmingham ...	b,c	c	c	c
	Upper Heyford	bcc	ccvc	bcm$_o$	cm$_o$c
4	Ross-on-Wye	cc	cc	c	c
5	Hartland Point	cprbcc	cprbcc	cbcc	cir
	Bristol ...	cwbcyc	cbcc	c	cbccbcc
	Portland Bill ...	cc	bcc	c	cc
	Plymouth ...	bcm$_o$c	c	c	c
	The Lizard ...	cbccy	cbcc	c	c
	Scilly (St. Mary's)	cbccy	bcc	c	c
	Guernsey ...				
6	Pembroke ...	cpr$_o$q	c	cir$_o$	cirq
7	Holyhead (Valley)	bcc	bcc	c	c
	Chester (Sealand)	bcm$_o$y	bcyc	c	c
8	Manchester ...	bcy	bccyc	circ	c
10	Spurn Head ...	cq	cq	bccq	cq
	Catterick (Sc) ...	c	c	cir$_o$cr$_o$r$_o$	cidddm$_o$
	Tynemouth ...	cm$_o$	cm$_o$q	cq$_o$c	coir
11	St. Abbs Head	c	c	cpncr$_o$	cr$_o$cr$_o$
	Leuchars ...	cir$_o$	cir$_o$cr$_o$m$_o$	crrm$_o$c	cr$_o$dr$_o$
12	Renfrew (Abbotsl.)	crrm$_o$	cr$_o$r$_o$rrm$_o$	cr$_o$r$_o$m$_o$rrm$_o$	crrm$_o$
	Eskdalemuir ...	r$_o$r$_o$pirr	orr	crrm$_o$	crrm$_o$
	Point of Ayre ...	c	c	cbcc	r$_o$r$_o$
13A	Tiree	d$_o$r$_o$m$_o$	r$_o$r$_o$c	cr$_o$r$_o$m$_o$	cr$_o$m$_o$bc
13B	Stornoway ...	cr$_o$r$_o$m$_o$	cr$_o$r$_o$m$_o$r$_o$c	cpr$_o$bc	bcpr$_o$PRH
15	Dalwhinnie ...	cir	orr	*	orrc
	Aberdeen ...	c	cir$_o$r$_o$r$_o$c	cir$_o$c	cir$_o$c
	Wick ...	cr$_o$r$_o$cbc	ccv$_o$c	cid$_o$cbc	bc
16	Sumburgh ...	cpr$_o$rrc	+pr	cbcpr$_o$b	bcpr$_o$b
17	Blacksod Point	c	d	d	r
18	Malin Head ...	pr	d	r	r
	Aldergrove ...	c	ccid$_o$ r$_o$r$_o$cr$_o$m$_o$id$_o$		cid$_o$r$_o$r$_o$
19	Birr Castle ...	c	c	*	r
20	Valentia Obsy.	pr	+	r	r
	Roches Point	pr	pr.	r	r

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

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

Fresh west-south-west winds, strong locally, veering west-north-west and moderating later; cloudy; a belt of occasional rain moving southeast across area followed by bright periods and local showers, more especially in the northwest; rather cold.

Strong west to northwest winds, gale locally at first, moderating; occasional thundery showers and bright intervals; rather cold.

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

As 11-16.

Fresh or strong westerly winds, moderating, backing southwest or south later; cloudy with occasional rain at first, followed by bright intervals and local showers, but cloudy conditions with fairly general rain spreading from west later; rather cold.

GENERAL INFERENCE

A deep depression centred near the Faeroes is moving northeast and an associated trough is moving southeast across the British Isles. There will be occasional rain at this trough, and very much cloud at and ahead of it. Behind it there will be showers and bright intervals. Later a trough associated with a depression now well out on the Atlantic will cause fairly general rain to spread across Ireland. It will be generally rather cold.

FURTHER OUTLOOK

Unsettled westerly type continuing, with rain spreading to all parts of the British Isles, but amounts small in southeast. ▼ Gale warning in operation in districts :- 13A, 13B, 15, 16, 17, at 0430 G.M.T. on 3.10.43. 7, 8, 11, 12, 14, 18, 20. at 0850 G.M.T. on 3.10.43. 9, 10. at 14.30h G.M.T. on 3.10.43. and 2, 3, 4 at 0300 G.M.T. on 4.10.43.

Forecasts issued at 10·30

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

7h. Monday 4th October 1943.

LOW

HIGH

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

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

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

Ps. 523/4556 Wt. 6091 D. N545. Gp. 946/2. 7440 10/43.

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 4th October

1943.

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. ϒ Thunderstorm. ξ 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 4th October 1943 — No. 29901

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

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	*	*	*	*	*	51	*	*	*	*	*	*	*	*	*
	Croydon ...	290	23·7	-6	SW	3	b-bc	45	75	40	7	4	–	–	2-3	2-3	5000
	S. Farnborough	226	22·8	-14	WSW	2	c	48	75	41	8	5	7	–	9	9+	3600
	Boscombe Down	417	22·8	-14	SW	2	b-bc	47	85	42	8	5	–	–	2-3	2-3	2500
	Thorney Island	10	23·4	-10	W	2	c-bc	53	75	46	7	5	–	–	7-8	7-8	3500
	Lympne ..	283	23·7	-2	W	4	b-bc	48	75	42	7	5	–	–	2-3	2-3	3000
	Manston ...	154	23·1	-12	SW'W	3	z_o	44	85	40	6	–	–	5	0	1	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	22·1	-10	SW'S	3	b	50	85	45	7	–	7	–	0	Tr	–
	Gorleston ...	5	20·8	-6	WSW	3	b-bc	50	75	42	7	5	–	–	2-3	2-3	*
	Mildenhall ...	15	19·9	-14	SSW	4	c-bc	50	85	45	8	5	–	–	7-8	7-8	3100
	Cranwell ...	203	17·2	-20	SW	5	c	52	75	45	7	5	–	–	9	9	3300
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·2	-14	SW	3	z_o	49	85	43	6	5	–	–	9	9	2900
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·3	-14	W	5	c-bc	55	85	50	8	5	–	–	7-8	7-8	2500
	Bristol ...	209	22·2	-12	SSW	4	c	51	75	44	8	5	–	–	9+	9+	3100
	Portland Bill ...	32	23·4	-8	SW	4	c	55	92	53	8	5	–	–	9	9	4000
	Plymouth ...	86	23·9	-12	WSW	4	c	55	65	44	7	5	–	–	10	10	3400
	The Lizard ...	240	24·1	-8	W	3	c	54	65	43	8	5	–	–	10	10	1500
	Scilly (St. Mary's)	163	24·0	-14	SW	4	c	55	65	43	8	5	–	–	10	10	1200
	Guernsey ...	175															
6	Pembroke ...	142	19·9	-14	W'S	7	c	56	85	50	8	8	–	–	10	10	2500
7	Holyhead (Valley)	32	16·0	-8	SW'W	7	c	57	85	52	7	5	–	–	10	10	3500
	Chester (Sealand)	16	15·6	-22	WSW	4	c	57	75	48	8	5	2	–	4-6	10	2700
8	Manchester ...	230	15·8	-22	S'W	4	c	52	85	48	7	5	2	–	7-8	10	2300
10	Spurn Head ...	29	15·2	-30	SW	6	c-bc	51	75	43	7	2	4	–	4-6	7-8	2500
	Catterick (Sc.)...	192	12·9	-14	SW	5	$r_o r_o$	55	92	51	7	5	–	–	10	10	2000
	Tynemouth ...	108	11·2	-10	WSW	5	c	57	85	52	7	8	–	–	9	9	2500
11	St. Abbs Head	280	05·1	-14	SW	5	ir_o	55	75	47	7	5	–	–	9+	9+	2500
	Leuchars ...	36	03·8	-10	WSW	5	c-bc/r	53	92	51	7	5	–	–	4-6	7-8	1500
12	Renfrew (Abbots I.)	19	06·1	-10	SW	5	rr	53	92	52	5	6	2	–	7-8	10	400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	11·3	-8	W	6	c	56	85	52	8	6	2	–	7-8	10	1800
13A	Tiree	44	04·4	-10	W	2	$r_o r_o$	51	92	49	6	–	2	–	10	10	2000
13B	Stornoway ...	12	00·0	-2	SW	3	c-bc	48	92	47	7	5	2	–	4-6	7-8	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	02·6	-10	WSW	2	c/r	49	85	45	8	–	2	–	0	9	–
	Wick ...	114	00·9	-4	SW	3	b-bc	47	92	44	8	5	–	–	2-3	2-3	3000
16	Sumburgh ..	19	97·2	-4	SW	5	b-bc	50	85	47	8	4	–	–	2-3	2-3	2000
17	Blacksod Point	18	10·7	-18	SW	7	id	55	92	53	6	6	2	–	4-6	10	1500
18	Malin Head ...	84	06·4	-10	WSW	5	Dr	53	97	53	6	–	2	–	10	10	800
	Aldergrove ...	268	10·4	-6	SW'W	4	c	52	92	50	7	5	–	–	10	10	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18·7	-10	SW	4	ir_o	55	92	53	7	5	–	–	10	10	1800
	Roches Point	22	18·8	-16	WSW	4	c/r	55	97	54	8	6	2	–	4-6	9	1500

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

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)	19·6	-4	SW	3	c	53	73	42	8	5	–	–	9+	9+	2500	1	*
	Croydon ...	21·6	-2	SSW	4	c	51	75	42	8	5	7	–	7-8	9+	2500	0	*
	S. Farnborough	20·3	-6	SW	3	c	52	75	45	8	5	–	–	9+	9+	2000	0	*
	Boscombe Down	20·3	-8	SW	4	c	51	75	43	8	5	–	–	9+	9+	2500	0	*
	Thorney Island	21·2	-6	WSW	3	c	55	75	47	8	5	–	–	4-6	10	2500	0	*
	Lympne ..	21·5	-8	W	3	c	49	75	40	7	5	–	–	9+	9+	3100	0	* 3
	Manston ...	21·6	-6	SW'W	4	c-bc	48	75	40	8	5	–	–	7-8	7-8	3500	0	*
2	Shoeburyness ...	20·8	-4	SW'S	4	c	51	75	44	8	5	–	–	9+	9+	4000	0	*
	Felixstowe ...	19·5	-8	SW'S	5	c	52	75	43	8	5	–	–	9+	9+	4000	0	5
	Gorleston ...	17·9	-22	WSW	4	bc	51	75	44	7	5	7	2	2-3	4-6	2500	0	4
	Mildenhall ...	17·5	-10	SSW	5	bc	51	85	46	8	5	–	2	2-3	4-6	4000	0	*
	Cranwell ...	16·2	-14	SW	6	c	53	85	48	8	5	7	–	9	9+	2500	0	*
3	Birmingham ...	15·9	-10	SW	3	c	52	85	47	8	5	–	–	9+	9+	1500	1	*
	Upper Heyford	18·7	-12	SW'W	4	c-bc	50	85	45	8	5	7	5	4-6	7-8	2000	0	*
4	Ross-on-Wye	17·5	-10	SW	4	c	54	85	50	8	5	–	–	10	10	2000	1	*
5	Hartland Point	18·7	-8	W	5	ir	56	92	54	8	8	–	–	7-8	9+	1900	1	4
	Bristol ...	19·7	-6	WSW	4	c	52	85	47	8	5	–	–	9+	9+	2500	0	*
	Portland Bill ...	21·1	-6	SW	4	c	57	92	55	8	5	–	–	10	10	4000	1	4
	Plymouth ...	21·5	-6	SW'W	4	c	56	75	49	8	5	–	–	9+	9+	4500	0	3
	The Lizard ...	22·2	-4	WSW	4	c	55	75	46	8	5	–	–	10	10	1500	0	4
	Scilly (St. Mary's)	21·9	-2	W'S	5	c	56	85	50	8	5	–	–	9+	9+	1500	0	5
6	Pembroke ...	17·4	-8	W'S	7	c-bc/r	56	92	54	8	8	7	–	4-6	7-8	2000	1	5
7	Holyhead (Valley)	13·2	-10	SW	7	c	57	85	51	8	5	7	–	9	9+	1000	1	5
	Chester (Sealand)	12·1	-10	W'S	5	c	57	75	50	9	5	7	2	4-6	9+	2500	0	*
8	Manchester ...	12·9	-6	SW'S	4	c	55	85	49	8	5	3	–	4-6	9+	1200	1	*
10	Spurn Head ...	13·2	-4	SW	5	cq	53	75	47	7	4	3	–	4-6	9	2500	0	4
	Catterick (Sc.)...	10·6	-4	WSW	3	$d o d_o$	55	92	53	6	5	–	–	4-6	10	900	1	*
	Tynemouth ...	08·0	-16	SW	4	o/r	55	92	52	7	6	–	–	10	10	1600	1	2
11	St. Abbs Head	01·4	-24	WSW	6	ir_o	54	85	48	7	5	4	–	7-8	9+	2000	0	4
	Leuchars ...	00·8	-20	SW	5	dr	53	92	51	6	5	2	–	7-8	10	1000	1	*
12	Renfrew (Abbots I.)	02·7	-22	SW	5	rr	54	87	53	6	6	2	–	4-6	10	300	2	*
	Eskdalemuir ...	05·1	-2	SSW	4	rr	51	65	40	6	6	2	–	4-6	10	700	1	*
	Point of Ayre...	08·0	-16	W'N	6	$r_o r_o$	54	87	53	8	6	5	–	4-6	10	1800	1	4
13A	Tiree	00·4	-16	WSW	6	c-bc	53	92	50	8	5	2	–	4-6	7-8	1200	1	3
13B	Stornoway ...	24·2	-30	W	6	PHR	45	87	44	6	9	–	–	10	10	800	2	3
15	Dalwhinnie ...	99·5	-24	SW	3	c-bc	45	65	35	7	5	–	–	7-8	7-8	2500	1	*
	Aberdeen † ...	99·7	-22	SSE	2	c	49	92	47	7	5	7	–	1	9	2500	1	1
	Wick ...	96·2	-34	SW	2	b-bc	47	92	44	8	8	3	3	2-3	2-3	4000	1	*
16	Sumburgh ..	95·1	-12	SW'W	4	b-bc	50	85	46	8	2	6	–	1	2-3	2500	1	4
17	Blacksod Point	09·1	0	SW'W	7	Dr	55	97	54	6	6	2	–	2-3	10	800	2	5
18	Malin Head ...	03·8	-6	W	6	ir_o	54	85	49	8	–	2	–	10	10	800	2	5
	Aldergrove ...	07·3	-10	SW'W	4	$r_o r_o$	53	92	51	6	5	–	–	10	10	450	1	*
19	Birr Castle ...	12·7	-2	SSW	4	ir	54	92	52	7	6	2	–	7-8	10	800	1	*
20	Valentia Obsy.	16·9	-2	WSW	5	o/d	55	85	50	7	5	–	–	10	10	1400	1	4
	Roches Point	16·5	-6	W'S	4	bc	55	92	53	8	5	–	–	4-6	4-6	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 Hrs. (38)
1	London (Kew)	59	49	38	-	–	8·2
	Croydon ...	61	48	43	-	–	9·2
	S. Farnborough	62	45	35	-	–	7·9
	Boscombe Down	61	45	40	-	–	7·5
	Thorney Island	63	50	42	-	–	*
	Lympne ..	*	42	36	-	–	10·8
	Manston ...	60	41	37	-	–	10·3
2	Shoeburyness ...	63	47	39	-	–	[illegible]
	Felixstowe ...	61	49	45	-	–	[illegible]
	Gorleston ...	63	50	40	-	–	8·1
	Mildenhall ...	59	48	40	-	–	0·0
	Cranwell ...	60	47	46	-	–	6·3
3	Birmingham ...	57	48	46	-	–	4·6
	Upper Heyford	56	49	43	-	–	*
4	Ross-on-Wye	59	51	47	-	–	1·6
5	Hartland Point	57	54	52	Tr	Tr	2·7
	Bristol ...	60	44	44	-	–	3·9
	Portland Bill ...	59	53	*	-	–	*
	Plymouth ...	60	53	50	-	-	6·3
	The Lizard ...	60	53	*	-	-	2·6
	Scilly (St. Mary's)	61	54	*	-	-	3·5
6	Pembroke ...	57	53	*	Tr	0·1	4·8
7	Holyhead (Valley)	59	51	54	-	–	*
	Chester (Sealand)	51	55	51	-	–	5·5
8	Manchester ...	59	52	49	-	Tr	*
10	Spurn Head ...	58	47	*	-	–	5·2
	Catterick (Sc.)...	52	53	50	-	0·3	1·4
	Tynemouth ...	57	54	52	-	0·2	*
11	St. Abbs Head	56	53	*	-	Tr	*
	Leuchars ...	54	52	49	2	2	0·5
12	Renfrew (Abbots I.)	54	53	38	20	28	0·0
	Eskdalemuir ...	52	49	49	8	10	0·0
	Point of Ayre...	57	53	*	*	Tr	0·0
13A	Tiree	54	50	*	17	14	0·0
13B	Stornoway ...	51	45	42	5	3	0·2
15	Dalwhinnie ...	49	45	42	19	14	0·0
	Aberdeen † ...	56	46	40	0·5	0·3	0·0
	Wick ...	54	46	41	2	0·1	*
16	Sumburgh ..	54	48	44	7	1	1·1
17	Blacksod Point	57	53	*	0·5	6	*
18	Malin Head ...	55	50		1	8	0·0
	Aldergrove ...	55	51	49	1	4	0·0
19	Birr Castle ...	59	53	52	-	1	2·1
20	Valentia Obsy.	58	54	52	0·2	1	1·7
	Roches Point	58	53		0·1	0·4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 3rd October ..... 18h. G.M.T. — 01h. G.M.T. 4th October ..... 07h. G.M.T.

IIH 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	22854	55685	83	25755	53586	8-	64566	22586	87	02764	18424
115 27	02844	53687	87	81844	53487	27	02844	24426	87	81844	53587
203											
206 62	62754	20468	62	61855	20688	8-	01854	22464	8-	25855	20285
210 51	02865	20368	52	62863	20467	5-	22855	20265	3-	01964	18214
219 62	61634	54688	67	22734	55668	8-	25748	22588	8-	25857	56787
230 52	61755	21368	-2	64746	20368	5-	58638	18268	53	61845	55568
245 5-	02847	53527	52	62742	22268	5-	22755	22265	57	02722	22426
260 53	64654	53568	52	61634	20868	5-	62445	53665	57	52635	53466
278											
279 52	62646	22768	52	02746	55868	52	02755	53758	62	62526	55668
285 27	02745	26527							27	81625	24787
288 51	02864	54526	53	02856	51528	5-	52758	52558	5-	02858	52558
575 52	21846	53558	57	52744	51428	52	51646	54426	62	64426	57468
301 17	02852	21625	57	02866	20627	5-	02868	22628	5-	02844	22668
321 73	02764	20427	54	02844	20427	5-	01764	18424	54	02734	18426
290 5-	05647	20327				5-	02745	22525	5-	14747	22527
292 57	02844	16327	57	05654	20327	57	61665	53568	52	52746	20368
310									--	02628	24528
614 26	02755	20326	46	05652	22324	57	05654	20426	57	05655	20426

13h. G.M.T. 3rd October ..... 18h. G.M.T. — 01h. G.M.T. 4th October ..... 07h. G.M.T.

IIH 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 26	02854	53526	66	02855	53487	57	02745	51628	57	02744	52527
334									--	54437	22358
340 83	02855	24917	87	25855	20386	57	02854	20428	57	02854	22625
186 46	02855	21426	06	01790	17425	50	01864	20414	5-	01866	20517
336									53	22644	24466
350 1-	02864	20425	57	02863	20326	57	02766	57428	54	01864	53415
368 7-	02855	24415	8-	02854	23426	5-	02765	20525	5-	02844	20568
379 57	57844	22456	5-	02857	22527	5-	02757	53457	5-	21844	53557
390 73	05664	18326	07	05653	01813	50	05664	18214	5-	05666	18326
382			57	02956	21827	5-	02867	22317	57	51855	21357
438 10	01864	24314	10	01864	22414	50	01764	24514	5-	02757	24527
430 10	01855	20315	50	01763	22213	07	05690	00014	5-	02868	22328
409 24	01954	21484	5-	02956	22226	5-	02768	18328	57	51945	22167

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 4th October.
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 ...	bccwnbcy	bcz$_o$y	bcyczc
Croydon ...	bn$_o$gwbcy	bcycy	bczccv
Greenwich ...	bcy	cby	bcbc
Camden Square	o	bc	*
Kensington ...	bczbc	bc	*
Hampstead ...	bc	bc	b

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ending 7h. Max. Time 0·3 18h 3rd. Min. Time <0·1 0–6h

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 4th. 15h % Yesterday	Humidity 4th. 9h % To-day
Kew	59	49	38	–	–	8·2	*	*
Croydon ...	61	48	43	–	–	9·2	*	*
Greenwich ...	62	47	35	–	–	8·9	45	64
Westminster ...	62	50	41	–			65	87
Regents Park ..	62	49	43	–	–		73	63
Camden Square	63	49	42	–	–	*	*	69
Kensington ...	62	48	41	–	–		65	71
Hampstead ...	60	47	41	–	–		*	69

SECRET

Page 1

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

Tuesday 5th October 1943 — No. 23902

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

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)	17·8	−16	SW	4	c	59	65	47	8	5	3	-	9	9+	1500
	Croydon ...	19·7	−10	SW'W	5	c	60	65	47	8	5	-	-	10	10	2500
	S. Farnborough	18·6	−14	WSW	4	c	59	75	49	8	5	-	-	10	10	1800
	Boscombe Down	19·0	−1	SW	4	c	58	75	51	8	5	2	-	9	10	2000
	Thorney Island	19·8	−14	SW'W	4	c	60	75	50	9	5	-	-	1-6	9+	1500
	Lympne ...	19·6	−16	W'S	4	c	57	65	42	8	5	-	-	10	10	2200
	Manston ...	19·6	−10	W'S	5	c	58	55	42	8	5	3	5	7-8	9	3800
2	Shoeburyness ...	18·8	−10	WSW	4	c	61	65	49	7	5	-	-	9+	9+	1000
	Felixstowe ...	17·0	−18	SW	6	c	61	55	45	8	5	7	-	7-8	9+	1000
	Gorleston ...	16·2	−12	W	5	bc	61	65	48	7	1	-	-	7-8	7-8	2500
	Mildenhall ...	15·0	−14	SW'W	6	c	61	75	52	8	5	-	2	9+	9+	3000
	Cranwell ...	12·4	−6	WSW	7	c	61	75	52	8	5	-	-	10	10	2000
3	Birmingham ...	14·8	−6	WSW	4	c	59	75	52	8	6	-	-	10	10	2500
	Upper Heyford	17·2	−6	WSW	5	c	57	75	50	8	5	-	-	8	10	2000
4	Ross-on-Wye	16·2	−6	WSW	5	c-bc	61	65	49	8	5	4	2	1-6	7-8	3000
5	Hartland Point	17·9	−6	WSW	5	cjp	57	92	56	8	5	1	-	7-8	9+	1000
	Bristol ...	18·6	−6	WSW	4	id_o	57	86	53	8	5	7	-	9	9+	1500
	Portland Bill ...	19·9	−12	SW	5	c	58	92	56	8	2	4	-	1-6	10	4000
	Plymouth ...	20·6	−10	WSW	5	c	57	86	53	7	5	-	-	7-8	10	1500
	The Lizard ...	21·7	−8	SW	5	bc	59	75	49	8	7	4	-	1-6	1-6	2500
	Scilly (St. Mary's)	21·3	−10	W	6	c	61	75	54	8	8	4	-	7-8	9+	1500
	Guernsey ...															
6	Pembroke ...	16·7	−6	W'S	7	c	57	85	52	7	8	-	-	10	10	2000
7	Holyhead (Valley)	13·6	+2	SW	6	c	58	86	53	8	6	7	-	7-8	10	1500
	Chester (Sealand)	13·0	+2	WSW	4	c	58	86	52	7	5	2	-	9	10	2000
8	Manchester ...	12·4	−4	SW'W	6	c	57	85	52	7	5	2	-	9	10	2000
10	Spurn Head ...	10·9	−12	WSW	7	cq	60	75	52	7	7	7	-	1-6	9+	2500
	Catterick (Sc.)...	07·5	−12	WSW	5	c	59	85	55	8	5	7	-	7-8	9+	1000
	Tynemouth ...	05·7	0	WSW	6	bcq	58	85	55	6	2	3	-	1-6	1-6	2500
11	St. Abbs Head	03·0	+20	W	6	c-bc	55	45	45	7	2	4	-	1-6	7-8	2500
	Leuchars ...	01·8	+24	W	7	c	56	65	43	8	2	8	-	7-8	9	2500
12	Renfrew (Abbotsl.)	06·0	+22	WSW	5	pr	54	65	42	7	8	2	-	7-8	9	2000
	Eskdalemuir ...	06·2	+18	WSW	6	c-bc	51	75	41	8	7	3	-	7-8	7-8	1800
	Point of Ayre...	05·4	+16	NW	6	c	59	85	53	8	5	7	2	1-6	9+	2500
13A	Tiree	05·7	+32	W'N	6	c-bc	52	76	45	8	2	6	2	1-6	7-8	2000
13B	Stornoway ...	99·1	+38	W	6	bc/pr	50	85	45	8	8	-	-	1-6	1-6	1800
15	Dalwhinnie ...	01·0	+26	W	4	ir	46	85	42	7	5	-	-	9	9	1500
	Aberdeen ...	98·3	+14	WNW	6	b-bcjp	57	45	36	9	1	4	-	2-3	2-3	2500
	Wick ...	96·0	+10	W	6	pr	50	92	48	8	9	-	3	7-8	7-8	1000
16	Sumburgh ...	89·4	−30	WSW	4	c	48	92	46	8	2	6	-	7-8	9+	2500
17	Blacksod Point	12·5	+10	W	5	c	56	65	44	7	5	4	-	9+	9+	1500
18	Malin Head ...	07·9	+18	W	7	c-bc	53	75	46	8	2	-	-	7-8	7-8	1500
	Aldergrove ...	10·3	+20	WNW	5	c-bc	55	65	42	8	8	-	6	1-6	7-8	2500
19	Birr Castle ...	13·1	+4	SSW	3	ir	56	97	56	7	6	2	-	7-8	10	800
20	Valentia Obsy.	17·1	−2	WSW	4	id_o	57	86	53	6	5	-	-	10	10	800
	Roches Point	16·9	+2	W'S	4	c	58	92	56	8	5	-	-	9+	9+	1500

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

Barom. at M.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)
16·5	−4	WSW	4	z_o	58	75	51	8	5	2	-	9	10	2500	1	*
17·9	−6	SSW	5	c	57	85	51	6	5	-	-	10	10	4500	0	*
17·3	−6	WSW	4	ir_o	57	85	52	7	5	-	-	10	10	2000	0	*
17·8	−4	SW'W	3	c	57	86	52	8	5	2	-	7-8	10	1600	0	*
18·5	−4	SW'W	4	c	58	85	54	8	5	-	-	1-6	9	1500	0	*
18·3	0	WSW	3	c	55	85	50	8	5	-	-	9+	9+	3500	0	*
17·6	−8	SW	4	c	57	75	49	8	5	-	6	9	9+	2500	0	*
17·2	−8	WSW	3	c	58	75	50	7	5	1	-	1-6	9+	2500	0	*
15·8	−2	SW	4	c	59	75	49	7	5	2	-	9	10	1000	0	4
14·1	−2	W'S	4	c	60	75	50	7	5	7	-	1-6	9+	2500	0	4
14·6	0	SW	4	c	59	85	54	8	5	7	-	7-8	9+	3100	0	*
13·0	+2	WSW	5	c	59	85	53	7	5	-	-	10	10	1500	0	*
14·6	+2	SW	4	c	56	85	52	8	5	-	-	10	10	1500	0	*
15·8	−8	WSW	4	c	57	85	52	8	5	7	-	7-8	10	2000	1	*
17·0	−4	WSW	4	c/r	57	92	55	7	5	2	-	7-8	10	1000	1	5
17·4	−6	WSW	4	c/d	56	92	54	7	5	2	-	4-6	10	800	0	*
17·7	−10	SW	5	c	56	85	52	8	6	-	-	10	10	4000	1	4
19·4	−2	SW'W	4	z_o	54	92	54	6	5	4	2	4-6	7-8	800	0	2
20·0	−8	WSW	4	c-bc	57	85	53	7	5	-	-	7-8	7-8	2000	0	4
19·9	−6	WSW	5	cjp	57	85	53	8	8	6	-	9+	9+	1200	0	4
16·1	0	W	7	c	57	97	56	7	8	-	-	10	10	2000	1	4
13·0	0	WNW	5	$r_o r_o$	56	92	54	7	5	7	-	7-8	9+	1200	1	5
12·8	+6	NW'W	3	$r_o r_o$	56	92	54	6	5	-	-	10	10	1200	1	*
12·6	+6	W'N	4	ir	55	97	53	4	6	2	-	9	10	800	1	*
11·2	−2	WSW	5	c	58	85	52	7	7	7	-	1-6	10	2500	0	4
10·5	−24	NW	2	c-bc	54	75	47	8	8	-	-	4-6	7-8	2000	1	*
08·6	+14	WSW	5	c-bc	54	65	43	7	2	3	-	1-6	7-8	2500	1	3
11·7	+4	W	6	bc	51	65	48	8	4	4	-	1-6	1-6	3500	0	5
10·4	+18	WNW	5	bc	51	65	40	8	5	4	8	Tr	1-6	4000	0	*
08·4	+18	SW'W	3	c-bc	50	75	43	8	8	3	5	1-6	7-8	2000	2	*
08·9	+20	SW	2	c-bc	48	75	40	9	5	7	9	1-6	7-8	1800	1	*
10·6	+6	NW	5	c	55	75	45	8	5	7	-	Tr	9+	2500	0	4
08·1	+8	N'N	5	id_o	49	97	49	9	5	6	2	9	9+	2000	1	3
03·0	+28	W	6	pr	48	97	48	6	8	4	-	1-6	7-8	3000	1	3
04·8	+12	W	4	pr	44	75	38	7	5	-	1	4-6	7-8	1500	1	*
03·1	+24	W'N	4	b-bc	50	65	38	8	4	-	4	Tr	b-bc	2500	0	3
99·9	+14	WSW	4	b-bc	47	85	41	8	4	6	-	2-3	2-3	3000	1	*
96·0	+38	W'N	5	bc	49	85	44	8	2	-	8	2-3	4-6	2000	1	3
11·3	−12	SW'W	3	rr	54	85	50	7	6	2	-	1-6	10	1500	1	3
09·7	+6	NW'W	3	c	52	65	41	8	5	-	-	10	10	1500	2	3
11·3	+6	W	2	c	52	75	44	7	5	7	-	1-6	10	2000	1	*
13·1	0	WSW	2	c	55	92	53	7	5	-	-	10	10	1500	1	*
15·9	−6	WSW	4	ir_o	55	97	55	6	5	-	-	10	10	1500	1	4
15·9	−4	WSW	3	id_o	57	97	57	8	5	-	-	10	10	800	1	4

PAST 24 HOURS.

Weather. 7h.–13h. (39)	Weather. 13h.–18h. (40)	Weather. 18h. 4th to 1h. 5th (41)	Weather. 1h.–7h. 5th (42)
c	ccm_o	cm_o	c
c	c	cm_o	bcm_obcc
c	cir_o	cir_o	cbcc
c	$ccir_oc$	cbc	bcc
c	c	$becm_o$	cm_oid_o
c	c	c	cid_omc
c	cjc	bcc	cm_obcc
c	c	c	cbc
cbccy	cyc	cm_obcm_o	bbcc
cbc	cqc	bcc	cpr_oc
bcc	c	cbc	$cbcc ir_o$
c	c	cm_o	cm_o
c	c	c	c
cid_o	cr_oc	cid_ocm_o	cm_oid_oc
cprbc	bcc	cidc	c
cr_oc	cp_oc	cir_oc	cir_oc
c	cpr_o	addeq	$cd_od_om_o$
cir_oc	cir_or_o	r_oridm_oc	$cr_or_om_o$
cr_od_o	id_or_oc	$r_or_od_od_oc$	cir_or_o
$cir_om_oir_o$	cir_oim_o	$ir_or_om_o$	r_o & mir_o
bcc	cbc	c	crdc
crrcprbcq	yexcbc	bcm_o	cr_orrm_o
cpr_o	cpr_ocbc	$bcpr_or_om_o$	cr_orrm_o
$crrm_oc$	c	c	$crrm_o$
$r_o r_o c$	c	cr_o	cor
bcp_obc	$bccid_o$	$beir_oc$	$crrm_o$
$cppbcpr_obc$	$bcpr_obcpr_oc$	cir_obcc	$crrr_or_om_o$
$cpprc$	cpr	*	cir_o
cbcbbcy	bcyb	bbcc	$ccrrm_o$
cPRbccpr	pr_oprcb	bbccbc	bcc
crrc	$++pr_o$	$bcpr_b$	$bccjr_ow$
c	r	r	r
+	pr	r	r
c	c	$cr_or_om_o$	$r_or_om_ocm_o$
r	+	*	
+	+	r	d
e	d	d	d

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

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

Fresh westsouthwest winds, strong to gale locally in west; cloudy with local drizzle, more especially in west, where there will be much hill fog; more general rain in north of area later; rather cold.

Winds mainly southwesterly strong to gale, but southeasterly in extreme northeast at first; winds veering westerly and moderating later; dull and rainy at first; some bright intervals later, but squally showers developing, more especially in the north and northwest; rather cold.

16 Orkneys and Shetlands ↓	As 8-15.
17 N. W. Ireland ↓	
18 N. E. Ireland ↓	
19 S. E. Ireland ↓	Strong westsouthwest winds, gale locally; cloudy with occasional drizzle; rather cold.
20 S. W. Ireland ↓	

GENERAL INFERENCE

A vigorous depression centred off northwest Scotland is moving eastwards. Weather will be generally rather cold and unsettled with strong winds or gales in most districts. There will be local drizzle in the south. Elsewhere there will be rather general rain at first. Later, brighter conditions, but with some showers, will spread down from northwest.

FURTHER OUTLOOK

Disturbed westerly type persisting, with rain at times in most districts. ↓ Gale warning in operation in districts 13A and B. 15 and 16, issued at 2030 G.M.T. on 4th October. in districts 12, 14, 17 and 18 at 2300 G.M.T. on 4.10.43. in districts 7, 8, 10, 19 and 20, at 0500 G.M.T. 5.10.43.

Forecasts issued at 10.30

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

7h. Tuesday 5th October 1943.

LOW

STATION MODEL

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

Scale 1.: 5,000,000

Ps.523/4556. We.9091. D.4545. Gp.948/2.7440. 10/43.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Tuesday, 5th October

1943.

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 5th October 1943 — No. 29902

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

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	17·6	-6	SW	5	z_o	57	85	52	6	5	–	–	7-8	7-8	2000
	S. Farnborough	226	16·5	-8	W'S	2	c	56	85	52	8	5	–	–	9	9	1600
	Boscombe Down	417	17·3	-6	SW'W	3	bc	54	85	50	7	5	–	–	4-6	4-6	1500
	Thorney Island	10	17·3	-8	SW'W	3	c	58	92	55	7	5	–	–	10	10	2600
	Lympne ...	283	17·6	-2	WSW	2	c	55	92	53	7	5	–	–	10	10	2200
	Manston ...	154	16·9	-8	SW'W	3	z_o	57	85	53	6	5	–	–	9+	9+	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	14·0	-18	SW	4	z_o	57	85	52	6	–	1	–	0	4-6	–
	Gorleston ...	5	14·3	0	W'S	3	c-bc	57	85	52	7	5	–	–	7-8	7-8	2500
	Mildenhall ...	15	14·1	-6	WSW	4	c-bc	57	92	54	8	5	–	–	7-8	7-8	4000
	Cranwell ...	203	12·7	-8	WSW	3	z_o	56	92	55	6	5	–	–	9+	9+	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15·3	-6	SW	4	id_o	54	97	53	6	5	–	–	10	10	300
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·8	-6	W	4	c	56	97	55	7	5	2	–	7-8	10	1500
	Bristol ...	209	16·8	-2	WSW	3	$d_o d_o$	54	97	53	6	5	–	–	7-8	10	700
	Portland Bill ...	32	17·1	-6	SW	5	o	55	92	53	7	5	–	–	10	10	2500
	Plymouth ...	86	18·2	-12	WSW	4	c-bc	57	92	54	7	5	–	–	4-6	7-8	2500
	The Lizard ...	240	18·5	-14	WNW	5	c	58	85	52	7	5	–	–	9+	9+	1000
	Scilly (St. Mary's)	163	18·1	-14	W	5	c	57	85	53	7	5	–	–	10	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	14·8	-12	W'S	6	$c_o q$	56	92	54	8	6	2	–	9	10	1500
7	Holyhead (Valley)	32	11·4	-16	SSW	5	ir_o	57	97	55	6	5	–	–	4-6	10	700
	Chester (Sealand)	16	11·8	-10	WSW	1	c/r	55	97	55	6	5	2	–	9	10	2000
8	Manchester ...	230	11·9	-14	SSW	3	$r_o r_o$	54	97	54	4	–	2	–	10	10	500
10	Spurn Head ...	29	12·3	-6	WSW	2	c	55	85	50	7	5	2	–	4-6	10	2500
	Catterick (Sc.) ...	192	10·7	-8	WSW	2	id_o	51	85	48	7	–	7	–	0	10	–
	Tynemouth ...	108	10·0	-2	W	4	c	52	75	46	7	8	–	–	9+	9+	2500
11	St. Abbs Head	280	07·7	-2	SW	8	c	48	75	41	7	5	–	–	10	10	2500
	Leuchars ...	36	06·1	-10	SW	4	z_o	47	85	43	6	5	7	–	Tr	10	4000
12	Renfrew (Abbotsl.)	19	07·4	-12	–	0	$r_o r_o$	48	92	46	6	5	2	–	7-8	10	1400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	09·5	-20	SW'S	1	$r_o r_o$	50	92	48	7	–	2	–	10	10	2000
13A	Tiree	44	04·2	-34	SW'S	4	o/r	51	97	50	8	5	–	–	10	10	2000
13B	Stornoway ...	12	02·4	-18	SSW	2	c	45	97	44	7	5	2	–	4-6	10	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	05·4	+6	SSW	3	c	45	75	37	9	–	7	–	0	9+	–
	Wick ...	114	03·1	+8	W	4	c-bc	43	85	40	7	5	–	8	4-6	7-8	3000
16	Sumburgh ..	19	99·8	+14	–	0	b	43	97	43	7	3	–	–	1	1	2000
17	Blacksod Point	18	04·0	-30	SSW	6	Dr	56	97	56	6	–	2	–	10	10	800
18	Malin Head ...	84	03·8	-44	S'W	3	ir_o	48	92	46	8	–	2	–	10	10	1500
	Aldergrove ...	268	07·2	-36	S'E	3	$r_o r_o$	49	92	46	6	–	2	–	10	10	900
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	11·8	-22	SW'S	5	dd	57	97	57	6	5	–	–	10	10	600
	Roches Point	22	13·3	-18	WSW	4	id_o	54	97	54	7	5	–	–	10	10	800

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

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)	14·7	-4	SW	3	c	56	85	54	8	5	–	–	10	10	2500	1	*
	Croydon ...	16·1	-2	SSW	4	c	56	85	50	7	5	–	–	10	10	1800	0	*
	S. Farnborough	14·9	-18	WSW	3	c	55	85	51	8	5	–	–	10	10	1500	0	*
	Boscombe Down	15·4	-8	SW	3	c	55	85	52	7	5	–	–	10	10	1200	0	*
	Thorney Island	15·9	-2	WSW	3	c/d	57	85	52	7	5	–	2	9	9+	1500	0	*
	Lympne ...	15·2	0	WSW	3	c	54	92	53	7	5	3	–	7-8	9+	1200	0	54
	Manston ...	15·6	-2	SW	3	c	56	85	52	8	5	7	–	4-6	9+	1500	0	*
2	Shoeburyness ...	15·7	0	SW	3	c	57	85	52	8	5	–	–	9+	9+	1500	0	*
	Felixstowe ...	14·8	+2	SSW	4	c	56	85	51	7	5	–	–	10	10	1800	0	3
	Gorleston ...	12·7	-6	WSW	3	c	55	97	55	7	5	7	–	4-6	10	2000	0	3
	Mildenhall ...	12·3	-6	SW'S	4	o/r	57	92	54	7	5	–	–	10	10	1500	0	*
	Cranwell ...	09·9	-10	SW	5	c	57	92	54	7	5	–	–	9+	9+	800	0	*
3	Birmingham ...	11·2	-4	SSW	3	o	55	92	53	8	5	–	–	10	10	1500	1	*
	Upper Heyford	13·0	-8	SW	4	o/d	54	97	52	7	5	–	–	10	10	800	0	*
4	Ross-on-Wye	12·3	-12	SW	4	c	56	85	52	7	5	7	–	9+	9+	2000	1	*
5	Hartland Point	13·0	-8	WSW	4	c	56	92	54	7	5	2	–	7-8	10	1000	1	5
	Bristol ...	14·5	-8	SW'W	3	o/d	55	92	53	8	5	–	–	10	10	1500	1	*
	Portland Bill ...	15·5	-6	WSW	5	c	59	92	57	8	5	–	–	10	10	4000	1	4
	Plymouth ...	16·0	-6	WSW	4	c	57	85	54	8	5	–	–	9+	9+	2000	1	3
	The Lizard ...	16·4	-4	SW	5	c	56	92	54	7	5	–	–	9+	9+	1500	0	5
	Scilly (St. Mary's)	15·7	-14	WSW	5	c	57	85	51	8	5	–	–	10	10	1200	1	4
6	Pembroke ...	11·5	-8	SW'S	6	DD	56	97	56	4	5	–	–	10	10	500	1	5
7	Holyhead (Valley)	07·2	-18	SW	7	z_o	57	92	55	6	–	2	–	10	10	100	1	5
	Chester (Sealand)	08·4	-14	WSW	4	c	58	75	52	8	5	7	1	4-6	9+	1500	1	*
8	Manchester ...	09·1	-14	S'W	4	c/r	55	92	52	8	5	7	–	4-6	10	2000	1	*
10	Spurn Head ...	09·5	-12	SW	5	c	56	85	52	7	5	2	–	7-8	9+	2500	1	4
	Catterick (Sc.) ...	06·5	-18	SW	4	ir_o	56	92	54	6	5	7	–	4-6	9	2000	1	*
	Tynemouth ...	04·8	-28	SSW	3	rr	51	97	51	5	–	2	–	10	10	2200	1	2
11	St. Abbs Head	02·2	-40	S	4	$r_o r_o$	47	97	47	7	5	2	–	7-8	10	2500	1	4
	Leuchars ...	00·0	-40	ESE	2	rr	48	97	47	6	6	2	–	2-3	10	200	1	*
12	Renfrew (Abbotsl.)	99·9	-46	SSW	5	$r_o r_o$	55	97	54	7	6	2	–	7-8	10	300	2	*
	Eskdalemuir ...	00·8	-48	SSW	5	rr	53	97	52	6	6	2	–	9	10	700	1	*
	Point of Ayre ...	02·5	-28	W	6	rr	56	92	54	7	6	2	–	4-6	10	800	1	5
13A	Tiree	03·4	-50	SW'S	6	rr	55	97	55	5	–	2	–	10	10	600	1	4
13B	Stornoway ...	02·2	-58	SE	6	$r_o r_o$	47	97	45	5	6	2	–	7-8	10	600	2	4
15	Dalwhinnie ...	97·5	-50	SSE	5	ir	45	85	42	6	5	2	–	7-8	10	1500	1	*
	Aberdeen † ...	00·5	-28	SSW	2	rr	45	92	44	6	6	2	–	4-6	10	1000	1	2
	Wick ...	99·0	-26	SSE	4	ir_o	48	75	42	8	5	2	–	2-3	10	2000	0	*
16	Sumburgh ..	98·5	-14	–	0	c/jp	44	97	44	9	2	7	6	2-3	9	2000	1	1
17	Blacksod Point	99·0	-16	S'W	7	iR	57	97	56	6	6	2	–	4-6	10	1500	2	5
18	Malin Head ...	95·5	-30	SW'S	5	rr	57	92	55	6	–	2	–	10	10	1500	2	4
	Aldergrove ...	00·1	-26	SW'S	4	ir_o	56	97	55	6	5	2	–	9	10	600	1	*
19	Birr Castle ...	08·1	-16	SW	6	$d_o d_o$	58	97	57	6	5	–	–	10	10	500	1	4
20	Valentia Obsy.	09·4	-12	WSW	5	dd	56	97	55	5	5	–	–	10	10	450	1	4
	Roches Point																	*

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 4th. Hrs. (38)
1	London (Kew)	60	54	53	–	–	0·2
	Croydon ...	61	55	53	–	–	0·3
	S. Farnborough	61	54	50	Tr	–	0·5
	Boscombe Down	59	52	48	Tr	–	0·1
	Thorney Island	60	56	53	–	Tr	*
	Lympne ...	*	54	51	–	–	0·6
	Manston ...	60	54	51	–	–	4·3
2	Shoeburyness ...	63	55	51	–	–	2·0
	Felixstowe ...	63	55	53	–	–	5·3
	Gorleston ...	63	55	52	–	Tr	5·0
	Mildenhall ...	64	55	51	–	Tr	3·1
	Cranwell ...	63	55	54	–	–	3·1
3	Birmingham ...	59	53	54	–	–	0·0
	Upper Heyford	59	53	53	–	Tr	*
4	Ross-on-Wye	62	55	54	–	–	1·6
5	Hartland Point	58	54	54	1	1	0·4
	Bristol ...	60	54	52	Tr	1	1·9
	Portland Bill ...	58	53	*	–	–	*
	Plymouth ...	59	55	52	0·2	0·1	0·3
	The Lizard ...	58	55	*	Tr	–	2·8
	Scilly (St. Mary's)	61	55	*	0·2	0·1	3·0
	Guernsey ...						
6	Pembroke ...	58	55	*	Tr	0·3	0·0
7	Holyhead (Valley)	60	55	54	1	2	*
	Chester (Sealand)	59	55	51	3	2	0·0
8	Manchester ...	57	53	50	1	6	*
10	Spurn Head ...	61	54	*	–	0·2	1·1
	Catterick (Sc.) ...	60	49	47	0·2	0·2	0·9
	Tynemouth ...	61	50	48	0·3	3	*
11	St. Abbs Head	58	45	*	Tr	2	*
	Leuchars ...	58	46	43	3	3	8·5
12	Renfrew (Abbotsl.)	56	47	41	7	5	3·1
	Eskdalemuir ...	54	43	35	4	7	2·1
	Point of Ayre ...	60	49	*	0·5	10	2·8
13A	Tiree	55	46	42	0·4	19	2·0
13B	Stornoway ...	53	44	40	2	7	6·5
15	Dalwhinnie ...	48	41	36	4	6	4·5
	Aberdeen † ...	59	44	39	–	2	8·3
	Wick ...	51	44	39	1	–	*
16	Sumburgh ..	52	40	30	3	1	0·6
17	Blacksod Point	57	50	*	3	15	*
18	Malin Head ...	55	47		0·3	8	0·6
	Aldergrove ...	57	47	46	2	6	2·5
19	Birr Castle ...	57			3		0·0
20	Valentia Obsy.	57	55	54	0·3	0·6	0·0
	Roches Point	59	54		Tr	0·4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 4th Oct.	18h. G.M.T.			01h. G.M.T. 5th Oct.	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	25755	58685	87	81655	57686	87	81755	56586	57	22856	14367
115 84	02844	53687	87	81844	57687	52	02854	57424	52	62745	16368
203											
206 36	81864	57685	36	01953	57684	5-	01864	22514	02	64638	12368
210 26	02954	23685	46	01863	23524	52	02864	22326	52	62864	12368
219 20	02855	26785	80	02854	25615	57	61754	14368	62	58535	12568
230 8-	81855	57586	87	02955	22386	5-	61754	00067	62	64645	16268
245 26	01952	55683	14	01961	23314	57	02854	24227	02	62638	17268
260 04	05690	55885	44	05553	20413	50	05684	22414	5-	22748	16568
276 .											
279 86	81845	57687	48	02854	24485	52	62666	20468	62	66416	53668
285											
288 57	02855	53528	57	02852	24325	57	61765	20428	57	62754	17468
575 8-	25755	57487				02	61648	00068	62	62636	53568
301 5-	62748	23668	53	02744	25465	02	04428	16168	5-	02855	20468
321 57	02746	53428	57	21655	22357	57	05655	19328	57	02745	22427
299 5-	05648	22528	84	05653	22414	5-	03748	24128	5-	05648	24328
292 52	52647	20458	57	25854	24384	52	05675	20228	52	21655	18357
310 --	02628	24528	--	57109	24359				--	02628	20468
614 57	51646	53527	52	05646	22528	57	61644	22317	62	61545	55468

18h. G.M.T. 4th Oct.	18h. G.M.T.			01h. G.M.T. 5th Oct.	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 52	62745	53568	56	02744	53427	52	22744	18468	62	52634	51658
334 -	63537	26188	--	63637	26388						
340 57	21846	56658	5-	51734	55428	57	21854	18328	5-	02958	22628
136 5-	02858	20528	5-	21868	21428	5-	02758	18428	67	22724	17467
336 62	62426	24468	62	62526	24468				53	02754	20416
350 53	02854	53425	57	02745	55427	5-	05638	05634	5-	02735	53558
368 53	02744	24457	5-	21634	24458	5-	52634	55458	5-	52634	55358
379 50	02845	22428				5-	05638	55458	5-	51615	55558
390 57	05665	20627	52	05556	20328	52	05645	20228	5-	05644	18528
382 5-	02857	56587				5-	02845	23328	5-	02845	21325
438 5-	02758	24628	57	02734	24628	50	01746	24616	8-	25747	23587
430 7-	02867	22427	5-	02744	22527	5-	02856	22426	5-	21756	22357
409 50	21832	21658	5-	52626	23458	52	61746	23468	6-	52635	19358

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 5th October
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	ccm_o	$cm_o c$	Kew 7 hours ending 9h. Max. Time
Croydon ...	c	c	$cm_o bcc$	0·1 7-2d
Greenwich ...	c	c	c	Min. Time
Camden Square	c	bc	*	4th hour
Kensington ...	c	c	*	50·1 Rest of Period
Hampstead ...	bc	c	c	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	60	54	53	–	–	0·2	*	*
Croydon ...	61	55	53	–	–	0·3	*	*
Greenwich ...	63	55	51	–	–	0·5	64	78
Westminster ...	61	56	53	–	–		79	89
Regents Park ...	61	56	53	–	–		69	76
Camden Square	61	55	53	–	–	*	*	79
Kensington ...	60	55	51	–	–		83	84
Hampstead ...	59	52	51	–	–		*	84

SECRET

Page 1

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

Wednesday 6th October 1943 — No. 29923

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

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)	12·3	-12	WSW	3	ir$_o$	59	75	52	8	5	2	-	9+	10	2500
	Croydon ...	12·3	-14	SW	4	c	60	75	51	8	5	-	-	10	10	2000
	S. Farnborough	13·5	-8	SW'W	2	c	58	85	53	7	5	7	-	9+	10	1000
	Boscombe Down	14·2	-10	SW	4	d$_o$d$_o$	57	85	54	7	5	2	-	9+	10	800
	Thorney Island	12·6	-10	SW'W	4	id$_o$	61	75	53	9	5	-	-	7-8	10	1500
	Lympne ...	12·3	-14	WSW	4	c	60	75	51	7	5	7	-	9	9+	1100
	Manston ...	13·7	-16	SW	5	c	61	65	51	8	5	-	2	9	9+	1500
2	Shoeburyness ...	14·1	-8	SW	3	c	62	75	53	8	5	-	-	10	10	2500
	Felixstowe ...	11·9	-2	SSW	5	c	62	92	60	7	5	-	-	10	10	4000
	Gorleston ...	10·5	-14	WSW	4	c	62	75	53	7	7	-	-	9+	9+	1600
	Mildenhall ...	10·9	-10	SW	5	c	60	85	54	8	5	-	-	10	10	1900
	Cranwell ...	07·6	-12	WSW	6	c	61	75	54	7	5	7	-	7-8	10	1900
3	Birmingham ...	09·1	-18	SSW	4	c	59	97	59	8	5	7	-	9	9	1500
	Upper Heyford	11·5	-10	SW	5	c	58	85	52	8	6	-	-	9	10	900
4	Ross-on-Wye	10·7	-10	SW	5	c	58	85	54	8	6	-	-	10	10	1500
5	Hartland Point	10·4	-14	WSW	4	ir$_o$	57	97	56	7	5	2	-	9	10	800
	Bristol ...	13·0	-10	SSW	3	c	59	85	53	8	5	-	-	4-6	10	1500
	Portland Bill ...	14·1	-10	SW	5	o	58	92	56	8	5	-	-	10	10	2500
	Plymouth ...	14·1	-12	SW	4	c	59	85	54	7	5	-	-	7-8	10	1500
	The Lizard ...	14·2	-12	WSW	4	c	60	85	56	7	5	2	-	7-8	9+	1500
	Scilly (St. Mary's)	18·1	-16	SW'W	5	c/r	59	85	55	7	8	-	-	10	10	1000
	Guernsey ...															
6	Pembroke ...	09·4	-6	WSW	7	cq	58	75	50	7	5	-	-	10	10	2000
7	Holyhead (Valley)	04·9	-16	SW'S	7	d$_o$d$_o$	58	92	57	7	-	2	-	10	10	300
	Chester (Sealand)	05·9	-10	SW'W	6	c	61	75	54	9	5	5	1	4-6	9+	4500
8	Manchester ...	06·0	-12	SSW	5	c	59	85	55	8	5	7	-	7-8	9+	1000
10	Spurn Head ...	05·7	0	SW	5	cq	59	97	59	7	5	2	-	7-8	9+	2900
	Catterick (Sc)...	03·9	-18	SSW	4	c/r	61	85	52	7	5	7	-	7-8	9+	1500
	Tynemouth ...	00·3	+6	WSW	8	c-bcq	64	85	60	7	2	3	-	4-6	7-8	2200
11	St. Abbs Head	24·9	-16	SSW	6	c	61	75	54	8	5	4	-	7-8	9	3500
	Leuchars ...	23·6	-20	WSW	6	id$_o$	60	85	56	6	5	2	-	7-8	10	800
12	Renfrew (Abbotsl.)	25·8	-12	SW'S	5	r$_o$r$_o$	59	92	57	6	6	2	-	9	10	800
	Eskdalemuir ...	27·1	-18	SW'S	7	rr	56	97	55	6	-	2	-	10	10	500
	Point of Ayre...	00·2	-8	W	7	c	63	75	58	8	5	7	-	1	9+	1000
13A	Tiree	30·8	-14	SW	6	dd	56	97	56	4	-	2	-	10	10	700
13B	Stornoway ...	84·3	-24	SSW	5	r$_o$r$_o$	56	97	55	7	6	2	-	7-8	10	800
15	Dalwhinnie ...	29·0	-18	SSW	4	rr	55	92	52	7	5	-	-	10	10	1500
	Aberdeen ...	30·8	-28	SW	6	c	57	85	53	8	5	8	-	2-3	9+	1000
	Wick ...	88·0	-54	S	4	c/r	51	97	51	8	5	7	-	7-8	9+	2500
16	Sumburgh ...	91·1	-50	SE	6	id$_o$	48	87	47	7	5	2	-	7-8	10	1500
17	Blacksod Point	96·1	-18	SW'S	7	ir	57	92	55	6	6	2	-	4-6	10	800
18	Malin Head ...	93·0	-14	SW	6	dd	57	97	57	6	-	2	-	10	10	800
	Aldergrove ...	97·8	-12	SSW	5	id$_o$	58	92	56	7	5	-	-	10	10	800
19	Birr Castle ...	01·9	-14	WSW	4	c	61	85	57	8	8	2	-	7-8	10	1500
20	Valentia Obsy.	01·8	-22	SW'S	6	c/r	59	92	57	7	5	-	-	10	10	1500
	Roches Point	06·7	-18	WSW	5	c	58	92	56	8	5	-	-	9+	9+	800

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount Low 0–10 (28)	Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
London (Kew)	11·2	-2	SW	3	c	55	75	51	7	5	2	-	9+	10	2500	1	*
Croydon ...	12·7	-8	SW'S	4	c	58	75	52	7	5	-	-	10	10	1600	0	*
S. Farnborough	11·7	-4	SW	3	id$_o$	58	85	52	7	5	7	-	9	10	1800	0	*
Boscombe Down	12·0	-10	SW	4	c/d	57	85	54	7	5	2	-	9+	10	1000	0	*
Thorney Island	13·0	-10	SW'S	4	id$_o$	58	92	56	8	5	-	-	4-6	10	1500	1	*
Lympne ...	13·4	-4	WSW	4	c	57	75	49	7	5	-	-	7-8	9+	700	0	5
Manston ...	12·7	-4	SW	4	c	58	75	51	8	5	3	-	9+	10	2500	0	*
Shoeburyness ...	12·5	-6	SW	4	c	58	85	53	8	5	7	-	7-8	9	2500	0	*
Felixstowe ...	11·0	-6	SSW	4	c	59	75	50	8	5	2	-	9	10	4000	0	3
Gorleston ...	08·3	-12	WSW	4	c	60	75	52	7	8	-	-	10	10	2000	0	4
Mildenhall ...	09·5	-2	SW'S	5	c	60	85	55	8	5	-	-	10	10	2500	0	*
Cranwell ...	06·5	-4	SW	6	c	59	85	54	7	5	7	-	7-8	10	1500	0	*
Birmingham ...	07·1	-10	SSW	4	c	57	92	55	7	6	-	-	10	10	800	0	*
Upper Heyford	09·9	-6	SW'S	3	c/d	57	85	52	6	5	-	-	10	10	800	0	*
Ross-on-Wye	08·3	-12	SW	5	id$_o$	57	92	54	7	5	-	-	10	10	1000	1	*
Hartland Point	07·8	-16	WSW	5	ic	57	97	57	7	5	2	-	9	10	600	1	5
Bristol ...	11·1	-6	WSW	3	c	59	85	53	7	5	-	1	10	10	2500	0	*
Portland Bill ...	13·8	-4	SW	6	o	57	92	55	7	5	-	-	10	10	2500	1	5
Plymouth ...	12·0	-10	SW'W	4	id$_o$	57	97	57	6	5	2	-	9	10	400	1	3
The Lizard ...	12·5	-12	WSW	6	c	57	92	55	7	5	5	-	10	10	1000	1	4
Scilly (St. Mary's)	10·9	-10	SW	5	c	58	85	54	7	5	-	-	9+	9+	1000	1	5
Guernsey ...																	
Pembroke ...	06·5	-14	SW'W	7	c/d	57	97	57	7	5	2	-	7-8	10	1500	1	5
Holyhead (Valley)	02·1	-18	SW'S	7	dr	58	92	56	4	6	2	-	9	10	300	1	5
Chester (Sealand)	04·4	-2	SW'W	3	c	61	75	54	8	5	-	-	2-3	10	2000	0	*
Manchester ...	04·7	-6	SSW	6	c	59	85	54	8	5	7	-	9	10	1000	1	*
Spurn Head ...	05·5	-4	SW'S	5	cq	59	75	51	7	5	2	-	7-8	9+	800	0	4
Catterick (Sc)...	01·4	-16	SW	5	c	60	75	54	7	5	-	-	4-6	9+	600	0	*
Tynemouth ...	98·9	-8	NSW	6	cq	50	85	46	7	8	-	-	9	9	2200	1	3
Tiree	33·8	-2	SW	6	ic	58	85	54	7	5	2	-	7-8	9+	1500	0	4
Stornoway ...	91·5	-6	WSW	7	c/d	61	85	55	8	5	2	-	9	10	1000	1	*
Dalwhinnie ...	93·1	-8	SSW	5	ir	58	85	55	6	6	7	-	4-6	10	700	2	*
Aberdeen ...	85·5	-10	SW'S	8	RR	47	92	45	5	6	2	-	2-3	10	300	2	*
Wick ...	98·1	-8	NSW	5	r$_o$r$_o$	59	85	55	7	6	2	-	7-8	10	1600	1	4
Sumburgh ...	86·3	-28	SSW	7	dd	55	97	55	5	6	2	-	10	10	300	2	5
Blacksod Point	81·7	-20	SSW	5	rr	55	97	54	6	5	2	-	9	10	800	2	
Malin Head ...	88·0	-14	SW	4	r$_o$r$_o$	51	85	48	7	5	2	-	4-6	10	1500	1	*
Aldergrove ...	88·9	-4	SW	6	c	61	75	54	8	5	7	-	2-3	10	800	1	3
Birr Castle ...	97·8	-30	SW	3	c	59	75	51	9	8	2	-	7-8	10	1500	1	*
Valentia Obsy.	99·4	-34	SSW	6	ir	57	92	55	6	5	-	-	10	10	800	1	5
Roches Point	02·7	-28	WSW	5	c	58	97	58	8	5	-	-	9+	9+	800	1	4

PAST 24 HOURS.

Stations	Weather. 7h.—13h. 5th (39)	13h.—18h. 5th (40)	18h. 5th to 1h. 6th (41)	1h.–7h. 6th (42)
London (Kew)	cir$_o$	c	cir$_o$ddd$_o$	ccd$_o$
Croydon ...	c	c	cm$_o$d$_o$d$_o$id$_o$	cm$_o$d$_o$c
S. Farnborough	cid$_o$c	cid$_o$	cd$_o$d$_o$id$_o$d$_o$	cd$_o$cm$_o$d$_o$
Boscombe Down	ccd$_o$d$_o$	cd$_o$d$_o$ccid$_o$	id$_o$cr$_o$c	cir$_o$cid$_o$
Thorney Island	c	ccid$_o$	cir$_o$id$_o$m$_o$	cid$_o$m$_o$bc$_o$
Lympne ...	cid$_o$m$_o$	c	cid$_o$ddm$_o$	cm$_o$c
Manston ...	c	c	becid$_o$m$_o$	c
Shoeburyness ...	c	c	c	cid$_o$cm$_o$
Felixstowe ...	c	c	bcbbc	bcc
Gorleston ...	c	c	c	cqc
Mildenhall ...	c	c	cbcc	ccm$_o$c
Cranwell ...	c	c	ccm$_o$m	cm$_o$c
Birmingham ...	oc	co	o	o
Upper Heyford	cid$_o$c	ccid$_o$	ccid$_o$	cid$_o$m$_o$c
Ross-on-Wye	cqc	ccid$_o$	cd$_o$q	ccd$_o$
Hartland Point	irsc	cir$_o$	ir$_o$dc	
Bristol ...	cid$_o$c	cc	ccid$_o$m$_o$	ccid$_o$m$_o$
Portland Bill ...	co	qpco	o	
Plymouth ...	cir$_o$c	cmd	cm$_o$idc	mid$_o$cm$_o$
The Lizard ...	cidc	cidcc	cid$_o$	c
Scilly (St. Mary's)	cr$_o$	cidoc	cdbc	bcc
Guernsey ...				
Pembroke ...	cm$_o$-	bbmcdddqcq		cq
Holyhead (Valley)	dd$_o$d$_o$m	cdd$_o$ic	r$_o$d$_o$m$_o$m$_o$	dd$_o$d$_o$rrm$_o$
Chester (Sealand)	cir$_o$	c	c	cr$_o$r$_o$
Manchester ...	cr$_o$c	c	cir$_o$bc	c
Spurn Head ...	c	cq	cq	cq
Catterick (Sc)...	cr$_o$r$_o$m$_o$c	c	c	cbcd$_o$d$_o$m$_o$
Tynemouth ...	bir$_o$m$_o$bccq	cq	cq	cq
Tiree	crrcirc	bbcr$_o$	cr$_o$c	cpro
Stornoway ...	cr$_o$m$_o$c	eidom$_o$c	cd$_o$r$_o$ir$_o$	cr$_o$r$_o$c
Dalwhinnie ...	cr$_o$r$_o$m$_o$	cr$_o$r$_o$irm$_o$	crrm$_o$cr$_o$r$_o$m$_o$	cr$_o$r$_o$m$_o$c
Aberdeen ...	pRRrr	rrcRRr	or$_o$Rr	oRRcr$_o$r$_o$
Wick ...	rtc	cr$_o$r$_o$	r$_o$r$_o$	rrr$_o$r$_o$
Sumburgh ...	cddm	cdrm$_o$	crrm$_o$c	bc
Blacksod Point	cr$_o$r$_o$m$_o$cir$_o$	cr$_o$cr$_o$dm$_o$	cr$_o$r$_o$m$_o$bcir$_o$	bcrr$_o$cpr
Malin Head ...	orr	orr		orrc
Aldergrove ...	crrm$_o$c	c	cbcid$_o$c	c
Birr Castle ...	rtRRdrdrir$_o$	cr$_o$doc	cd$_o$d$_o$	bcbd$_o$bc
Valentia Obsy.	cid$_o$	cr$_o$r$_o$m$_o$c	or$_o$r$_o$	bc
Roches Point	r	r	r	pr
	r	r	r	r
	lr$_o$m$_o$cid$_o$	cdod$_o$moc	r$_o$r$_o$rr$_o$r$_o$m$_o$c	
	c	pr		r
	r	r	r	r
	d	d	r	r

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

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

Fresh or strong westsouthwest winds, veering westnorthwest and moderating later; cloudy with local drizzle; belt of more general rain moving southeast across area followed by brighter conditions but with some local showers; rather cold.

Moderate west to westnorthwest winds; cloudy with some rain at first, showers and bright intervals later; rather cold.

West to northwest winds, moderate in southeast but strong to gale at first in west and north, moderating; occasional showers with local hail and thunder, some bright intervals; rather cold.

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

As 11–15.

Moderate west to westnorthwest winds; local showers bright intervals; rather cold.

GENERAL INFERENCE

A deep depression near Faeroes is moving northeast and an associated trough is moving southeast across England. over England and Wales it will be dull with some rain or drizzle but brighter showery conditions over Scotland and Ireland will spread southeast. It will be generally rather cold.

FURTHER OUTLOOK

Showery conditions in most districts at first, but further general rain probably spreading from west later.

Gale warning in operation in districts 15 & 16, time of issue 2030 on 4.10.43. in districts 13A & B. and 12 (part of) at 2300 on 4.10.43. in districts 7, 8, 10 & 12 (part of). at 0500 on 5.10.43. and in districts 5, 6 & 11 at 1910 on 5.10.43.

Forecasts issued at 10.30

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

7h. Wednesday 6th October 1943.

LOW

HIGH

STATION MODEL

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

Scale 1.: 5,000,000

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

Ps.523/4556. Wt.8091. D.w545. Gp.346/2. 7440. 10/43.

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, 6th October 1943.

Lambert'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.

Wednesday 6th October 1943 — No. 29203

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

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	11·0	-14	SW	4	id$_o$	56	85	52	6	5	–	–	10	10	1100
	S. Farnborough	226	09·6	-10	SW	4	d$_o$d$_o$	56	92	54	6	5	–	–	10	10	1200
	Boscombe Down	417	09·6	-14	SSW	4	c	55	92	53	7	5	–	–	10	10	1200
	Thorney Island	10	11·0	-14	SSW	4	id$_o$	58	92	55	6	5	–	–	4-6	10	1500
	Lympne ...	283	11·8	-12	SW'W	4	o/d	57	85	52	6	5	–	–	10	10	1800
	Manston ...	154	11·8	-8	SW	5	c-bc	58	85	53	7	5	–	–	7-8	7-8	1800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	09·3	-8	S'W	4	b-bc	57	85	54	7	5	–	–	2-3	2-3	2700
	Gorleston ...	5	08·1	-12	SW'W	5	c-bc	58	85	52	7	5	–	–	7-8	7-8	2500
	Mildenhall ...	15	07·6	-14	SW'S	5	c	55	85	55	7	5	–	–	9	10	2300
	Cranwell ...	203	08·8	-10	SW	6	z$_o$	55	85	54	6	5	–	–	9	9	1500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	07·0	-14	SW	5	id$_o$	57	85	52	7	5	–	–	10	10	1400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	04·7	-16	WSW	6	c/d	58	97	56	7	6	2	–	9	10	1500
	Bristol ...	209	07·5	-22	SW	4	c/d	58	85	53	7	5	–	–	9	9	1800
	Portland Bill ...	32	10·6	-10	SW	5	o	56	92	54	7	5	–	–	9	9	2500
	Plymouth ...	86	08·9	-20	SSW	6	id$_o$	57	97	56	6	5	–	–	10	10	1000
	The Lizard ...	240	08·8	-18	SW	6	c	57	97	56	6	5	–	–	9+	9+	800
	Scilly (St.Mary's)	163	06·8	-20	SW	6	bc	58	92	55	7	5	–	–	4-6	4-6	1200
	Guernsey ...	175															
6	Pembroke ...	142	03·0	-12	SW	7	oq	58	92	55	7	–	–	–	10	10	1500
7	Holyhead (Valley)	32	08·7	-12	S'W	7	ir$_o$	57	92	55	6	–	2	–	10	10	1000
	Chester (Sealand)	16	12·8	-10	SSW	4	c	60	75	50	8	5	9	–	7-8	10	4100
8	Manchester ...	230	01·3	-16	SSW	6	c	57	75	49	7	5	–	–	9	9	2500
10	Spurn Head ...	29	02·7	-14	SW'S	6	c-bcq	58	85	52	7	2	2	–	4-6	7-8	1500
	Catterick (Sc.)...	192	08·2	-12	SW	5	c	55	85	53	7	5	–	–	10	10	2600
	Tynemouth ...	108	05·3	-20	WNW	8	c-bcq	60	85	56	7	8	–	–	7-8	7-8	2500
11	St. Abbs Head	280	00·2	-4	SSW	5	c	57	85	51	7	5	2	–	7-8	10	2500
	Leuchars ...	36	07·8	-14	SW	7	ir$_o$	58	85	55	7	5	2	–	7-8	10	1500
12	Renfrew (Abbotsl.)	19	08·7	-12	SSW	5	r$_o$r$_o$	57	92	54	6	6	2	–	4-6	10	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	03·8	+10	WSW	6	r$_o$r$_o$	58	85	54	8	6	2	–	4-6	10	1000
13A	Tiree	44	88·1	+24	WSW	6	c	50	85	47	7	5	–	–	9	9	1000
13B	Stornoway ...	12	81·8	+10	WSW	7	ir$_o$	48	85	46	7	5	2	–	4-6	10	1400
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	86·4	-10	SSW	5	c	57	85	52	8	5	–	–	9+	9+	2500
	Wick ...	114	82·8	-6	SSW	5	d$_o$d$_o$	53	97	52	7	5	2	–	7-8	10	1500
16	Sumburgh ..	19	80·2	-20	S'W	5	r$_o$r$_o$	54	97	52	6	6	–	–	10	10	800
17	Blacksod Point	18	03·9	+14	W	2	b-bc	50	85	46	8	5	–	–	2-3	2-3	2500
18	Malin Head ...	84	80·9	+30	W'N	5	ir$_o$	52	92	50	7	–	2	–	10	10	800
	Aldergrove ...	268	92·1	+2	WSW	4	r$_o$r$_o$	54	92	53	6	–	2	–	10	10	1100
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	08·3	+4	W	3	r$_o$r$_o$	54	97	54	6	6	–	–	10	10	900
	Roches Point	22	08·7	-16	SW	6	dr	56	97	56	5	5	–	–	10	10	450

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

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)	06·8	-8	SW'S	4	id$_o$	57	85	52	7	5	7	–	9	9+	1500	1	*
	Croydon ...	08·6	-10	SSW	4	c	56	85	52	8	5	–	–	9	9+	1000	1	*
	S. Farnborough	06·9	-10	SW'S	3	d$_o$d$_o$	56	92	54	6	5	–	–	10	10	800	1	*
	Boscombe Down	07·1	-6	SW'S	4	id$_o$	55	97	55	7	5	–	–	10	10	600	1	*
	Thorney Island	08·4	-10	SW'S	5	c	59	85	54	9	5	–	–	9+	9+	2500	1	*
	Lympne ...	09·8	-6	SW	4	id$_o$	56	75	50	8	5	2	–	7-8	10	1500	0	5
	Manston ...	09·0	-20	SSW	5	c	58	75	49	8	5	–	–	9+	9+	3000	0	*
2	Shoeburyness ...	09·3	-6	SW	4	z$_o$	57	85	53	6	5	–	–	9+	9+	1500	0	*
	Felixstowe ...	08·1	-6	S'W	5	c	57	85	53	7	5	3	2	7-8	9	1500	0	4
	Gorleston ...	06·5	-6	WSW	5	c-bc	58	85	52	7	5	–	–	7-8	7-8	2000	0	4
	Mildenhall ...	05·4	-6	SSW	5	c	59	85	54	8	5	4	–	9	9+	2700	0	*
	Cranwell ...	02·3	-2	SW	6	c	57	85	53	7	5	4	–	4-6	9+	1500	0	*
3	Birmingham ...	02·3	-2	S	3	o	56	85	52	8	5	–	–	10	10	800	0	*
	Upper Heyford	04·1	-10	SSW	5	o/d	57	92	54	8	5	–	–	10	10	1100	0	*
4	Ross-on-Wye	03·2	-10	SW'S	4	ir$_o$	57	92	55	7	6	7	–	9+	10	1500	1	*
5	Hartland Point	01·8	-10	WSW	5	c/r	58	97	57	7	6	2	–	9+	10	1200	1	
	Bristol ...	04·9	-10	NW'N	4	id$_o$	57	92	55	6	5	2	–	7-8	10	1000	0	*
	Portland Bill ...	07·8	-12	SW	5	o	56	92	55	7	5	–	–	10	10	2500	1	5
	Plymouth ...	06·1	-10	SW'S	5	z$_o$	57	97	55	6	5	1	–	9+	10	800	1	–
	The Lizard ...	05·4	-16	SW	6	c	57	92	53	7	5	–	–	9+	9+	1500	0	5
	Scilly (St.Mary's)	03·3	-18	SW	6	c	58	92	55	7	5	4	–	7-8	9+	1200	1	
	Guernsey ...																	
6	Pembroke ...	99·9	-8	SW	5	oq	58	97	57	7	5	–	–	10	10	2000	0	5
7	Holyhead (Valley)	97·2	+2	N'E	3	r$_o$r$_o$	54	97	53	7	5	–	–	4-6	10	600	1	4
	Chester (Sealand)	00·4	-2	S'W	2	r$_o$r$_o$	58	85	54	7	5	2	–	7-8	10	1500	0	*
8	Manchester ...	99·1	-10	SSW	6	c	58	75	51	8	5	7	–	7-8	9+	2500	1	*
10	Spurn Head ...	01·0	-2	SSW	6	cq	58	85	52	7	8	2	–	7-8	10	1500	0	4
	Catterick (Sc.)...	96·4	-6	SSW	5	id$_o$	57	92	54	6	5	7	–	7-8	10	2000	1	*
	Tynemouth ...	94·6	0	SSW	6	c-bcq	58	85	54	7	8	4	–	4-6	7-8	2400	1	3
11	St. Abbs Head	92·5	+32	W	3	c	51	78	43	8	5	7	–	7-8	10	2500	0	4
	Leuchars ...	91·0	+14	SW	3	c	50	85	46	8	5	3	–	4-6	10	5000	1	*
12	Renfrew (Abbotsl.)	93·2	+18	WSW	2	c	50	85	46	8	8	–	–	10	10	1800	2	*
	Eskdalemuir ...	93·5	+20	WSW	4	r$_o$r$_o$	49	85	45	8	5	1	–	10	10	1300	2	*
	Point of Ayre...	95·1	+2	NW	4	r$_o$r$_o$	52	85	49	8	6	2	–	10	10	1800	1	3
13A	Tiree	90·6	+12	W	6	c-bc	50	85	46	8	5	3	1	4-6	7-8	2000	1	5
13B	Stornoway ...	82·2	+12	SW	6	pr	48	85	44	7	8	2	–	4-6	10	1400	2	
15	Dalwhinnie ...	88·0	+18	SW	4	c	45	75	38	8	5	–	6	4-6	9+	2500	1	*
	Aberdeen † ...	89·4	+24	SSW	2	c	52	65	41	8	5	4	–	9	10	4000	1	2
	Wick ...	84·0	+2	SSW	5	bc	46	75	39	8	5	7	2	2-3	4-6	2000	1	*
16	Sumburgh ..	81·2	0	SSW	6	c	52	75	45	8	5	3	–	9	9+	2000	1	3
17	Blacksod Point	96·3	+16	WNW	3	c/pr	49	85	45	8	9	–	–	9+	9+	1500	2	3
18	Malin Head ...	92·8	+16	WSW	3	c-bc	50	85	46	8	8	7	–	4-6	7-8	1500	2	3
	Aldergrove ...	95·1	+2	SW'S	3	c	49	85	45	7	5	7	–	4-6	9+	4000	1	*
19	Birr Castle ...	97·0	+14	W	2	c	50	97	50	7	6	2	–	7-8	10	800	1	*
20	Valentia Obsy.	00·2	+14	WNW	4	c	52	75	44	8	2	7	–	2-3	10	2500	1	4
	Roches Point	99·4	+18	W	3	ir	53	97	53	8	6	2	–	4-6	9+	800	1	5

PAST 24 HOURS.

District	Stations	Sunshine 15th Hrs. (38)	Temperatures. Max. Day 7h–18h °F. (33)	Temperatures. Min. Night 18h–7h °F (34)	Temperatures. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)
1	London (Kew)	0·0	59	56	53	Tr	0·1
	Croydon ...	0·0	60	55	53	–	Tr
	S. Farnborough	0·0	60	55	51	Tr	Tr
	Boscombe Down	0·1	59	54	52	Tr	0·2
	Thorney Island	*	61	55	54	0·5	1
	Lympne ...	0·3	*	55	53	Tr	Tr
	Manston ...	0·0	61	56	55	–	Tr
2	Shoeburyness ...	[illegible]	62	56	52	–	Tr
	Felixstowe ...	0·1	63	54	51	–	–
	Gorleston ...	0·7	63	56	54	–	–
	Mildenhall ...	0·0	63	57	53	–	–
	Cranwell ...	0·0	63	56	55	–	–
3	Birmingham ...	0·1	60	56	54	–	–
	Upper Heyford	*	59	55	54	Tr	Tr
4	Ross-on-Wye	0·1	58	56	54	Tr	Tr
5	Hartland Point	0·0	57	56	56	0·5	0·3
	Bristol ...	0·0	59	56	54	Tr	Tr
	Portland Bill ...	*	58	58	*	Tr	–
	Plymouth ...	0·0	59	57	55	1	0·3
	The Lizard ...	0·3	61	56	*	Tr	–
	Scilly (St.Mary's)	1·0	62	57	*	Tr	–
	Guernsey ...						
6	Pembroke ...	0·0	58	56	*	1	7
7	Holyhead (Valley)	*	59	54	53	0·5	9
	Chester (Sealand)	0·0	62	58	54	Tr	Tr
8	Manchester ...	*	60	57	52	–	0·1
10	Spurn Head ...	0·0	61	58	*	–	–
	Catterick (Sc.)...	1·5	63	57	55	0·3	Tr
	Tynemouth ...	*	65	58	56	1	–
11	St. Abbs Head	*	62	51	*	0·5	–
	Leuchars ...	0·1	61	50	47	1	0·1
12	Renfrew (Abbotsl.)	0·0	59	49	47	11	10
	Eskdalemuir ...	0·0	57	46	43	19	30
	Point of Ayre...	0·2	64	52	*	4	9
13A	Tiree	0·0	57	49	45	13	5
13B	Stornoway ...	0·0	57	46	43	7	6
15	Dalwhinnie ...	0·0	56	43	38	10	6
	Aberdeen † ...	0·3	62	51	47	3	Tr
	Wick ...	*	56	46	40	6	1
16	Sumburgh ..	0·0	53	43	41	8	6
17	Blacksod Point	*	58	47	*	9	9
18	Malin Head ...	0·6	58	49		4	5
	Aldergrove ...	0·0	59	49	47	6	3
19	Birr Castle ...	0·1	62	50	48	Tr	11
20	Valentia Obsy.	0·0	59	51	48	1	20
	Roches Point	*	59	53		0·6	7

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 5th Oct. ..... 18h. G.M.T.

III	C$_L$ C$_M$	ww	VV	h$_h$N$_h$	DD	FF	N
109	52	51	45	A7	55	8	
115	--	67	09	16	36	9	
203							
206	57	61	85	52	43	67	
219	53	02	86	42	67	8	
219	5-	54	52	8	20	66	8
230	62	64	53	6	8	62	
245	5-	02	75	6	20	16	6
260	5-	22	63	9	20	66	8
278							
279	62	05	63	7	53	76	8
285							
288	57	02	74	4	57	55	6
575	52	51	63	6	51	45	8
301	57	02	72	4	21	60	6
321	57	02	74	5	51	52	8
299							
292	57	05	64	18	42	8	
310	--	02	63	8	20	52	8
614	57	60	65	1	20	52	8

01h. G.M.T. 6th Oct. ..... 07h. G.M.T.

C$_L$ C$_M$	ww	VV	h$_h$N$_h$	DD	FF	N
5-	62	65	8	56	76	8
24	01	84	4	57	68	6
87	05	84	4	87	72	6
52	22	85	4	53	66	8
53	02	86	3	55	76	5
57	02	84	5	17	52	5
03	02	50	0	20	52	5
80	01	84	4	23	88	5
52	52	74	6	53	68	6
57	02	74	5	57	67	6
57	32	85	1	22	46	7
50	01	75	3	21	46	3
62	62	66	4	22	36	8
62	63	62	5	24	76	8
57	02	85	5	51	62	8
62	65	45	2	73	68	8
52	02	74	6	17	68	8
52	02	74	5	51	52	8
67	02	63	5	15	27	8
84	02	74	5	20	51	6
57	05	64	5	16	24	6
57	05	64	5	16	24	8
57	05	64	5	16	27	8

13h. G.M.T. 5th Oct. ..... 18h. G.M.T.

III	C$_L$ C$_M$	ww	VV	h$_h$N$_h$	DD	FF	N
333	52	62	52	6	51	65	8
334	--	53	53	7	24	38	--
340	52	02	94	6	22	52	8
136	57	02	74	5	20	62	8
336	57	02	75	0	20	52	6
350	5-	02	84	4	53	42	8
368	5-	02	74	8	24	15	8
379							
390	5-	05	64	8	20	42	6
382	5-	02	84	7	21	42	7
438	57	02	72	4	24	68	7
430							
409	57	02	84	4	21	65	8

01h. G.M.T. 6th Oct. ..... 07h. G.M.T.

C$_L$ C$_M$	ww	VV	h$_h$N$_h$	DD	FF	N
5-	52	64	8	51	66	8
57	02	65	6	75	28	8
52	02	74	5	18	52	8
5-	05	64	8	21	52	8
5-	02	74	4	20	56	8
5-	02	74	4	20	56	8
57	02	65	7	57	52	8
5-	51	63	5	55	45	8
5-	05	64	6	53	42	8
5-	02	73	5	53	42	8
8-	02	74	7	21	62	8
5-	21	64	5	53	45	8
52	52	62	7	20	45	8
5-	21	65	8	20	55	8
5-	02	74	7	21	62	8
5-	03	74	8	21	62	8
5-	05	64	8	21	62	8
5-	02	76	7	21	62	8

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 6th Oct. 1943.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre
Kew	cir$_o$	c	cir$_o$cdd$_o$	Kew 24 hours 7h.
Croydon ...	c	c	cm$_o$d$_o$df	Mean Time
Greenwich ...	c	c	cid$_o$	0·1 7-20h
Camden Square	c	bc	*	Mean Time
Kensington ...	c	c	*	0·1 Rest
Hampstead ...	c	o	od	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	59	56	53	Tr	0·1	0·0	*	*
Croydon ...	60	55	53	–	Tr	0·0	*	*
Greenwich ...	61	55	53	–	Tr	0·0	72	78
Westminster ...	60	57	54	Tr			87	93
Regents Park ...	60	56	53	–	Tr		79	88
Camden Square	60	56	54	–	Tr	*	*	86
Kensington ...	61	56	52	–	Tr		79	89
Hampstead ...	58	53	51	–	Tr		*	91

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

SECRET

Thursday 7th October 1943 — No. 22324

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	°F. Temp. (6)	% Humid. (7)	°F. Dew Point. (8)	Visibility 0–9 (9)	Cloud Form. Low. (10)	Cloud Form. Med. (11)	Cloud Form. High (12)	Cloud Amount. Low 0–10 (13)	Cloud Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	06·1	-8	SW'S	4	c/d	60	85	53	8	8	7	-	9	9+	1500
	Croydon ...	07·6	-6	S'W	4	c/d	57	92	55	7	5	7	9	7-8	7-8	700
	S. Farnborough	05·6	-10	SW	5	c	60	85	54	8	5	7	-	9+	10	800
	Boscombe Down	06·0	-4	SW	5	id$_0$	58	92	55	7	5	-	-	9	10	700
	Thorney Island	07·9	-4	SSW	5	c	59	75	52	8	5	-	-	7-8	10	800
	Lympne ...	08·4	-10	WSW	5	m	57	85	51	4	5	7	-	0	10	-
	Manston ...	08·7	-6	SSW	6	c	59	75	51	8	5	-	-	10	10	1800
2	Shoeburyness ...	02·4	-4	SSW	4	c	61	75	54	8	5	-	-	10	10	2500
	Felixstowe ...	05·8	-16	S'W	5	c	60	75	51	7	5	-	-	10	10	4000
	Gorleston ...	05·0	-8	SW	6	eq	60	85	53	7	8	7	-	7-8	10	2000
	Mildenhall ...	04·3	-4	SW'S	5	c	62	75	55	8	5	7	-	7-8	10	2500
	Cranwell ...	01·7	0	SSW	5	c	61	75	53	8	5	7	-	9+	9+	3000
3	Birmingham ...	02·3	0	SSW	4	o	58	85	54	8	6	-	-	10	10	800
	Upper Heyford	03·8	-6	SSW	5	c/d	59	85	53	7	5	7	-	4-6	10	2000
4	Ross-on-Wye	02·6	-4	SW'S	4	id$_0$	58	85	53	6	6	1	-	9+	10	1000
5	Hartland Point	04·1	+28	W.NW	3	++	53	97	52	7	6	2	-	9	10	800
	Bristol ...	03·9	-8	SSW	4	c	57	75	53	8	5	2	-	7-8	10	1500
	Portland Bill ...	07·1	-6	SW	5	c	61	92	59	8	5	-	-	10	10	2500
	Plymouth ...	04·7	-10	SW	5	r$_0$r$_0$	58	92	56	6	6	2	-	9	10	800
	The Lizard ...	05·1	-4	W'N	4	c/r	55	97	55	8	5	-	-	10	10	1500
	Scilly (St.Mary's)	05·2	+18	WNW	1	r$_0$r$_0$	58	97	58	7	8	7	-	9	10	1000
	Guernsey ...															
6	Pembroke ...	03·3	+20	S	4	r$_0$r$_0$	53	92	51	7	3	2	-	7-8	10	1800
7	Holyhead (Valley)	01·5	+24	W	3	c/r	52	85	48	7	8	2	-	7-8	10	200
	Chester (Sealand)	00·9	+2	W'S	2	r$_0$r$_0$	55	85	49	8	3	2	-	7-8	10	1500
8	Manchester ...	01·0	+16	SSW	3	r$_0$r$_0$	52	97	52	5	-	2	-	10	10	1000
10	Spurn Head ...	01·1	+2	SW	6	eq	61	75	54	7	8	2	-	4-6	9+	1500
	Catterick (Sc)...	99·0	+16	SW	1	r$_0$r$_0$	52	92	53	6	6	2	-	2-3	10	1500
	Tynemouth ...	98·7	+18	SW	2	c/r	55	85	49	5	6	-	-	10	10	1800
11	St. Abbs Head	95·5	+8	SW	3	ir$_0$	54	66	43	8	5	2	-	7-8	10	2500
	Leuchars ...	94·9	+16	SW	5	c	53	75	45	7	5	7	-	1	10	3500
12	Renfrew (Abbotsl.)	97·0	+18	WSW	4	c	55	65	46	8	8	7	8	4-6	10	2000
	Eskdalemuir ...	97·9	+20	SW	4	r$_0$r$_0$	49	85	45	8	5	-	-	10	10	1200
	Point of Ayre...	99·3	+20	NW	3	c/r	50	92	48	8	8	7	-	4-6	9+	1800
13A	Tiree	96·6	+36	NW'N	5	c-bc	54	86	50	8	2	-	-	7-8	7-8	2000
13B	Stornoway ...	89·9	+50	WNW	6	PR	50	85	45	7	9	6	-	9	9+	1800
15	Dalwhinnie ...	94·0	+18	SW	4	c	48	75	42	8	5	-	8	4-6	9+	2500
	Aberdeen ...	91·5	+4	SW	5	c	55	68	41	8	5	7	-	Tr	9+	1500
	Wick ...	87·6	+34	WSW	8	c	54	75	45	8	2	4	9	7-8	9	2500
16	Sumburgh ...	80·8	-2	SW'S	8	d$_0$d$_0$	51	92	49	8	5	-	-	9+	9+	1500
17	Blacksod Point	02·6	+30	WNW	3	bc	55	75	49	8	8	-	-	4-6	4-6	1500
18	Malin Head ...	98·2	+30	NW	4	bc	54	75	47	8	2	-	-	4-6	4-6	1500
	Aldergrove ...	99·6	+27	WSW	3	c	52	75	46	8	8	7	-	7-8	9+	2000
19	Birr Castle ...	02·1	+22	W	2	c-bc	57	65	46	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	25·2	+18	WNW	4	bc	55	75	47	8	3	-	-	4-6	4-6	2500
	Roches Point	04·2	+18	NW	3	bc	53	85	49	8	3	3	5	2-3	4-6	1500

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

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)
15·9	+2	SSW	3	z$_0$	58	85	54	6	5	2	-	9	10	1500	1	*
07·1	0	SSW	4	z$_0$	57	92	55	6	5	-	-	9+	10	1000	1	*
06·2	+4	SW'S	3	ir$_0$	57	85	55	6	5	7	-	7-8	10	800	1	*
06·8	+14	NW	1	c/d	52	85	48	7	6	2	-	4-6	9+	200	1	*
07·1	-4	S'W	4	c	59	92	57	8	6	2	-	7-8	10	800	1	*
08·3	-2	SW	4	z$_0$	57	85	52	6	5	2	-	7-8	10	450	0	5
07·8	+2	SSW	4	id$_0$	58	85	52	8	5	7	5	7-8	10	1300	0	*
07·6	+2	SSW	3	c	58	85	54	7	5	-	-	10	10	2500	0	*
06·8	+2	S'W	4	c	59	85	52	8	5	-	-	10	10	4000	0	5
05·2	+8	SW'W	5	c-bcq	59	85	54	7	8	-	-	7-8	7-8	2000	0	4
04·6	+10	SSW	4	c/r	59	85	56	7	5	1	-	7-8	10	2500	1	*
04·9	+30	WSW	2	r$_0$r$_0$	52	97	52	6	-	2	-	10	10	1500	1	*
06·8	+14	SSW	2	ir$_0$	51	97	50	7	6	7	-	9	9+	800	1	*
05·8	+22	NW	2	r$_0$r$_0$	51	97	50	6	6	2	-	4-6	10	800	1	*
05·9	+16	SW	1	ir$_0$	52	97	51	8	8	1	8	2-3	9+	2500	1	*
06·6	+20	NW	3	c-bc	54	85	49	8	2	2	-	4-6	7-8	2300	1	4
06·3	+14	W	1	r$_0$r$_0$	53	97	52	6	5	2	-	4-6	10	1500	1	*
07·1	+6	NNW	4	rr	56	85	52	7	5	-	-	10	10	2500	1	5
07·1	+18	NW	2	rr	54	92	52	6	5	2	-	2-3	10	1500	1	1
06·9	+10	NW	2	c/r	51	97	51	8	8	2	-	9	9+	1500	1	2
07·5	+14	NNW	3	c	53	75	46	8	8	7	5	7-8	9+	1200	1	4
07·6	+20	NW	3	c-bc	54	65	43	8	2	7	-	4-6	7-8	2000	1	3
08·8	+26	NNW	2	bc	50	85	45	8	3	4	3	1	4-6	2500	1	3
04·6	+22	W'N	2	c	52	92	48	7	2	7	-	2-3	10	2500	1	*
04·6	+22	SW	3	z$_0$	50	92	48	6	4	6	-	7-8	9	3000	1	*
03·9	+14	W'S	4	d$_0$d$_0$	53	92	51	6	5	2	-	4-6	10	1500	1	3
02·9	+22	W	2	c	48	92	47	8	5	7	9	2-3	9+	4000	1	*
03·0	+18	W	3	z$_0$	52	85	46	6	-	4	1	0	4-6	-	1	3
99·6	+26	W	4	bc	50	65	38	8	5	4	-	4-6	4-6	2500	0	3
99·6	+34	WNW	4	bc	50	85	43	9	4	3	3	1	4-6	4000	0	*
99·6	+34	WNW	2	c-bcjp	48	85	42	8	3	4	3	4-6	7-8	1500	2	*
02·8	+34	W	2	c-bcjp	48	85	42	8	3	4	3	4-6	7-8	1500	2	*
01·7	+26	W	3	bc	46	75	39	8	8	7	8	2-3	4-6	2100	1	*
03·0	+14	NW'W	4	bc	53	65	42	8	3	-	9	2-3	4-6	2500	0	2
03·4	+22	NW'W	5	bc	49	85	45	8	2	6	-	4-6	4-6	2500	1	4
98·4	+50	WNW	6	bc	47	85	41	7	8	-	-	4-6	4-6	2000	1	4
00·5	+40	WNW	3	c-bc	42	85	38	8	5	-	-	7-8	7-8	1500	1	*
98·1	+38	WNW	3	b-bc	51	75	42	8	5	4	-	1	2-3	2500	1	2
94·7	+46	W'S	5	c/pr	44	97	44	8	3	1	-	7-8	10	1500	1	*
96·0	+42	W'S	6	PR	50	92	48	7	9	-	-	9+	9+	900	1	4
00·0	+38	NNW	2	bc	50	65	38	8	8	-	-	4-6	4-6	2500	1	3
04·4	+38	NNW	5	c-bc	51	75	44	8	2	-	-	7-8	7-8	1500	2	4
05·1	+38	WNW	4	b-bc	49	85	43	8	2	6	-	2-3	2-3	2000	1	*
06·7	+36	WNW	2	bc	50	75	43	8	5	-	-	4-6	4-6	2500	1	*
08·7	+30	N	4	pr	53	75	46	8	3	-	-	7-8	7-8	2700	1	3
07·7	+26	NNW	3	b-bc	54	85	50	8	3	4	-	1	2-3	1500	1	3

PAST 24 HOURS — WEATHER

7h.—13h. 6th. (39)	13h.—18h. 6th. (40)	18h. 6th. to 1h. 7th (41)	1h.–7h. 7th (42)
d$_0$ cid$_0$d	id$_0$drm$_0$	cr$_0$r$_0$	r$_0$r$_0$m$_0$
cd$_0$d$_0$m$_0$c	cd$_0$d$_0$m$_0$	cr$_0$r$_0$m$_0$	cr$_0$r$_0$m$_0$cm$_0$
cd$_0$m$_0$id$_0$c	cd$_0$m$_0$jrm$_0$	cir$_0$r$_0$m$_0$	crm$_0$cm$_0$
cid$_0$cid$_0$	cid$_0$d$_0$r$_0$r$_0$m$_0$c	cm$_0$bm$_0$cm$_0$	
cid$_0$m$_0$c	circ	crrcir$_0$m$_0$	cir$_0$rm$_0$
cid$_0$c	cid$_0$c	cm$_0$rrm$_0$	crrm$_0$cm$_0$
c	cid$_0$	cidobbcr$_0$r$_0$m$_0$r$_0$id$_0$m$_0$	
cm$_0$c	cir$_0$c	crrm$_0$	om$_0$
		cr$_0$c m$_0$	cm$_0$
eq	eq	cr$_0$r$_0$	cm$_0$
c	c	cir$_0$cr$_0$r$_0$m$_0$	cr$_0$r$_0$m$_0$cm$_0$
cid$_0$c	cr$_0$r$_0$m$_0$rrm$_0$		bcm$_0$
o	orr	mr$_0$cm	cbcm
cid$_0$m$_0$c	cirr$_0$r$_0$m$_0$	cr$_0$r$_0$cm$_0$	cm$_0$bcm$_0$cm
eq$_0$c	rr$_0$crr$_0$	c	cb
crrc	crrc	cbc	bc
c	om$_0$r$_0$r$_0$	cr$_0$r$_0$m$_0$cm$_0$	bm$_0$w, bcm$_0$w
c	corr	orro	c
cm$_0$c	eirrm$_0$	cm$_0$cbbc	bcbbc
cirr	irrrc	cbc	bc
eirr$_0$r$_0$	cr$_0$r$_0$c	cbc	bccbc
crrr$_0$r$_0$q	c	bc	bc
r$_0$r$_0$	cpr$_0$c	bcbbc	bbcw
r$_0$r$_0$KRrr	r$_0$r$_0$c	p, bcm$_0$	prmocb
rrm$_0$mr$_0$r$_0$r$_0$r$_0$m$_0$c	cm$_0$prr$_0$	bff	
eq	cm$_0$d$_0$d$_0$	om$_0$	bc
cr$_0$r$_0$m$_0$	cr$_0$r$_0$m$_0$c	cm$_0$bm$_0$b	bm$_0$b
eq, poirm$_0$	cm$_0$bcm$_0$	bcm$_0$b	bbc
ccr$_0$c	bc	bcb	b
cm$_0$c	cbc	bcb	bbwcm$_0$x
cpr$_0$c	cpr$_0$cpr$_0$c	bcprb	b
cr$_0$rr	r$_0$r$_0$cbc	bc	bcx
ror$_0$c	cbc	bcprb	b
bcpr$_0$c	cpr$_0$bc	bcpr$_0$bc	cbcpr$_0$
cpr	cpr$_0$bcc	bcbbc	bccpr$_0$bc
cpr	cpr		cpr$_0$bc
cy	cybcb	b *	b
bccjp	ccpr$_0$cPRpr$_0$cpr$_0$cpr$_0$cprcbc		cpr$_0$bc
cpr$_0$d$_0$	d$_0$pr	cpr$_0$bc	bcpr$_0$
bc	bc	bc	d
pr	pr	pr	pr
e	ccpr$_0$bbc	bcbbcw	bcwbpr$_0$bc
			bc
c	bc	*	b
pr	pr	pr	b
+	pr	b$_0$	b

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

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

Light north or northeast to variable winds; mainly fine but much cloud in extreme southeast at first; local fog developing at night dispersing in forenoon; rather cold, local ground frost at night.

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

Light northwest winds becoming variable to southwest; mainly fine but local fog developing in the night, dispersing in the forenoon; rather cold, local ground frost at night.

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

Light west winds, backing southwest, freshening later; local showers, bright intervals, more general rain probable late in period; rather cold.

Districts	
16	Orkneys and Shetlands
17	N. W. Ireland

As 13^B - 15

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

Light variable to southwest winds; mainly fine; rather cold.

GENERAL INFERENCE

An anticyclone centred over Ireland is moving eastwards; there will be some showers in the North at first and probably some more general rain later; in most districts however weather will be fair or fine, but with some local fog night and early morning, it will be generally rather cold with local ground frost at night.

FURTHER OUTLOOK

Fair over much of the country but rain at times in the north and northwest.

Forecasts issued at 10-30.

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

7h. Thursday 7th October, 1943.

Low

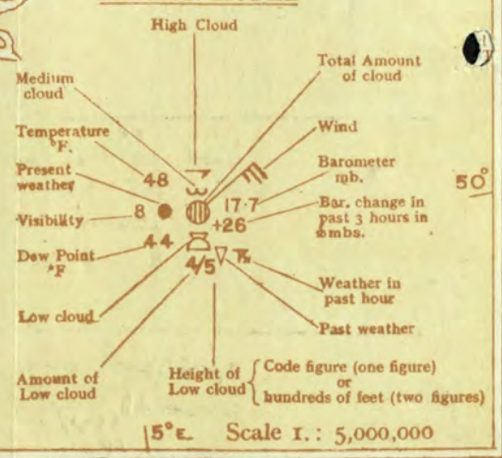
HIGH

1002 1004 1006 1008 1010 1012 1014 1016 1018 1020

10° 5°W. 0° 5°E. 60° 55° 50°

Mb. In.

STATION MODEL



Scale 1.: 5,000,000

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

Ps. 523/4556. Wt. 8091. D. n545. Gp. 946/2. 7440. 10/43.

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, 7th October

1943.

Lambert'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.

Thursday 7th October 1943

No 23924

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

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	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon ...	290	10·9	+10	–	0	fog	51	85	47	5	5	–	–	10	10	2500
	S. Farnborough	226	10·4	+14	–	0	fog	51	97	49	6	5	–	–	10	10	400
	Boscombe Down	417	10·8	+18	NNW	1	s/r	50	85	46	6	5	–	–	9+	9+	3000
	Thorney Island	10	10·3	+14	–	0	ig	52	97	52	6	5	–	–	10	10	6000
	Lympne ..	283	10·3	+10	NE	3	ig	50	97	49	5	5	–	–	10	10	2000
	Manston ...	154	09·9	+10	NW	3	fog	51	97	50	6	5	–	–	9	10	800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	09·4	+14	NNW	2	ig	52	97	51	6	–	2	–	10	10	4000
	Gorleston ...	5	08·5	+12	NW	3	fog	53	92	51	6	8	–	–	10	10	1500
	Mildenhall ...	15	09·7	+14	N'S	2	fog	50	97	50	6	–	2	–	0	10	–
	Cranwell ...	203	09·9	+16	W	2	Zo	49	92	47	6	5	–	–	10	10	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	09·9	+16	NNW	1	Zo	49	97	48	6	–	1	–	0	7-8	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10·7	+14	NNW	3	b-bc	54	75	47	8	1	–	–	2-3	2-3	2500
	Bristol ...	209	11·8	+18	W	1	Zo	48	97	47	6	5	–	–	1	1	4000
	Portland Bill ...	32															
	Plymouth ...	86	11·3	+12	ENE	2	c-bc	49	92	47	7	–	7	8	0	7-8	–
	The Lizard ...	240	11·2	+10	NNE	3	bc	49	85	45	7	5	–	–	4-6	4-6	2000
	Scilly (St. Mary's)	163	11·6	+10	N'E	4	bc	53	75	45	8	1	6	–	2-3	4-6	1500
	Guernsey ...	175															
6	Pembroke ...	142	11·9	+22	N	3	b-bc	49	75	43	8	1	4	–	2-3	2-3	4000
7	Holyhead (Valley)	32	12·1	+38	NW	2	b-bc	49	85	43	8	5	1	–	2-3	2-3	4000
	Chester (Sealand)	16	10·5	+18	NW	1	c	48	85	44	6	8	–	–	9	9	3000
8	Manchester ...	230	10·5	+22	W'N	2	Zo	45	97	44	6	2	–	–	2-3	2-3	2000
10	Spurn Head ...	29	09·3	+18	NNW	3	Zo	51	85	48	6	5	–	–	10	10	1500
	Catterick (Sc.) ...	192	09·7	+22	W	1	b-bc	43	92	42	7	–	7	–	0	2-3	–
	Tynemouth ...	108	09·6	+20	W	3	b	45	92	42	7	–	–	–	0	0	–
11	St. Abbs Head	280	07·6	+36	NNW	5	b-bc	47	75	38	7	5	–	–	2-3	2-3	4000
	Leuchars ...	36	08·4	+32	NSW	2	b	42	85	38	8	–	–	–	0	0	–
12	Renfrew (Abbotsl.)	19	09·9	+26	SW'S	2	b	42	85	37	7	–	–	–	0	0	–
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	10·4	+24	N	5	b	51	65	38	8	2	–	–	Tr	Tr	1500
13A	Tiree	44	10·6	+26	SSW	5	pr	47	85	43	8	2	–	–	4-6	4-6	1800
13B	Stornoway ...	12	07·2	+30	W	3	bc	49	97	48	7	8	–	–	4-6	4-6	2200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	07·7	+44	WNW	4	b	43	75	35	9	–	–	–	0	0	–
	Wick ...	114	05·4	+40	N	4	pr	43	92	41	7	9	–	–	9+	9+	800
16	Sumburgh ..	19	00·1	+50	NW	6	bc/pr	45	92	43	8	2	–	–	4-6	4-6	1500
17	Blacksod Point	18	14·3	+18	NW	3	bc	48	75	41	8	8	–	–	4-6	-6	2500
18	Malin Head ...	84	11·2	+24	NNW	4	pr	50	75	43	8	2	–	–	4-6	4-6	1500
	Aldergrove ...	268	12·5	+26	W'S	1	b	44	85	40	8	5	–	–	1	1	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15·6	+18	NE	2	b	49	75	42	8	4	–	–	1	1	2500
	Roches Point	22	14·2	+26	NW	4	b	48	92	46	8	–	–	–	0	0	–

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

Barom. at M.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)
13·7	+18	NNE	2	Zo	51	85	47	5	5	–	–	10	10	2500	1	*
14·0	+20	NNE	1	m	51	92	49	4	5	–	–	10	10	1500	1	*
13·9	+22	N'E	1	Zo	49	92	48	6	–	7	–	0	10	–	1	*
14·2	+18	N	2	Zo	45	97	45	6	–	7	–	0	4-6	–	1	*
13·5	+26	NNE	2	Zo	51	92	50	6	5	7	–	Tr	10	2500	1	*
13·0	+14	NNE	3	Zo	51	97	50	6	5	–	–	10	10	2500	1	2
12·8	+22	N	3	Zo	53	85	49	6	5	2	–	1	10	1200	1	*
13·6	+14	N'N	2	Zo	51	97	50	5	5	–	–	10	10	1500	1	*
12·8	+22	NW	2	Zo	51	92	49	5	5	–	–	10	10	2500	1	2
12·1	+18	NNW	3	Zo	51	92	49	5	8	–	–	9	9	1000	1	3
13·8	+22	NW'N	2	Zo	48	92	47	5	5	7	–	7-8	9+	2200	1	*
14·4	+34	NNW	2	Zo	43	92	42	5	–	–	4	0	4-6	–	1	*
15·6	+24	NNW	2	m	45	85	41	4	–	7	–	0	4-6	–	1	*
14·4	+20	N'N	2	Zo	43	97	43	5	–	7	6	0	9	–	1	*
15·5	+24	SSW	1	fg	40	97	40	8	5	–	9	Tr	2-3	2500	1	*
14·2	+18	NE	3	bc	52	75	46	8	1	4	4	2-3	4-6	2500	1	4
15·8	+20	NW	1	Zo	43	97	41	6	–	4	6	0	4-6	–	1	*
13·4	+24	NE	3	c	52	85	48	8	5	–	–	10	10	4000	1	4
14·4	+16	NE	2	bc	49	85	44	8	2	7	2	1	4-6	2500	1	*
14·9	+24	NNE	3	bc	47	85	43	8	8	6	–	4-6	4-6	2000	0	3
14·6	+18	NNE	5	bc	53	75	46	8	8	6	–	4-6	4-6	1500	1	4
13·6	+24	NW	4	bc	46	85	42	7	7	3	–	2-3	4-6	2500	1	3
15·0	+30	NW	1	b	40	92	37	8	5	–	–	1	1	4000	0	*
14·0	+24	W	3	b-bc	41	85	37	7	–	3	–	0	2-3	–	1	2
13·0	+14	W	4	b	47	65	35	8	5	–	–	1	1	3500	0	3
13·7	+22	WSW	2	bc	36	92	34	7	–	7	–	0	4-6	–	1	*
14·5	+26	WSW	2	b	43	85	37	7	–	3	–	0	Tr	–	2	*
15·4	+22	–	0	bc	36	85	33	8	5	4	–	Tr	4-6	2800	1	*
15·1	+24	N'E	3	b-bc	50	75	43	8	6	–	–	2-3	2-3	2000	2	3
15·1	+26	NW	3	bc	46	92	43	9	4	–	1	2-3	4-6	2000	1	3
12·3	+28	NNW	2	c b c j p	40	85	36	8	8	–	5	4-6	7-8	1800	1	1
13·5	+24	W	2	b-bc	37	85	33	8	5	–	–	2-3	2-3	1500	1	*
12·8	+30	SSW	1	b	40	75	32	7	2	–	–	1	1	2500	1	1
10·9	+28	W	3	bc	41	92	40	8	9	6	–	4-6	4-6	2500	1	*
07·4	+36	NNW	4	c b c/pr	45	85	40	8	2	6	–	4-6	7-8	2000	1	3
17·7	+16	W	1	s/d	46	75	39	8	6	–	–	9+	9+	2500	1	2
15·3	+22	NNW	3	pr	49	55	34	8	2	–	–	7-8	7-8	1500	2	4
16·7	+24	SW'S	1	bc	41	92	39	8	5	–	–	1	4-6	2500	1	*
18·0	+22	S	1	bc	33	97	32	8	–	–	5	0	4-6	–	1	*
19·0	+18	NE'E	1	b	39	97	35	8	5	–	1	Tr	Tr	4000	1	2
18·6	+20	N	4	b	44	92	42	8	–	–	–	0	0	–	1	3

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F.	Temperature. Min. Night 18h–7h °F	Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Rainfall. Night 18h–7h mm.	Sunshine Hrs. (38)
60	50	47	0·5	5	0·2
59	51	49	0·3	7	0·1
60	48	46	0·5	6	0·2
61	45	43	2	3	0·0
61	50	49	1	3	*
*	49	48	Tr	2	0·0
61	50	50	Tr	1	0·0
61	50	51	Tr	3	0·7
61	50	49	–	1	1·1
62	51	50	–	1	2·9
62	46		–	2	0·0
61	43	39	1	0·4	0·2
59	44	37	6	Tr	0·0
60	42	41	1	2	*
60	40	31	3	–	0·1
59	51	47	5	–	0·0
61	42	32	3	1	0·0
62	51		2	2	*
59	46	36	2	0·5	0·0
59	46	*	5	–	0·0
59	52	*	5	–	0·0
57	45		9	–	0·0
55	43	41	6	–	*
60	42	32	13	0·6	0·0
59	37	30	15	0·1	*
61	45	*	Tr	0·5	0·0
57	40	34	5	Tr	0·0
59	40	37	3	–	*
55	43		Tr	–	
55	35	29	–	–	2·3
55	42	31	0·4	–	2·9
50	36	25	1	–	0·5
54	49	*		–	0·6
53	44	40	1	2	1·4
55	44	*	1	–	*
54	46		1	1	
55	40	32	0·1	0·2	3·0
58	32	28	–	–	
55	39	33	0·2	Tr	
57	44		0·6	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 6th Oct. ..... 18h. G.M.T. | 01h. G.M.T. 7th Oct. ..... 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	25755	35885	8–	25857	57687	8–	25754	25484	87	25855	25335
115 84	15864	91884	87	05854	01886	84	02854	28624	87	81854	28486
203 5–	02848	24528	5–	02848	24528				54	01851	24304
206 36	25852	55785	36	25854	57585	50	01951	22281	53	01964	28414
210 53	02963	53726	43	02864	23425	5–	01854	20414	54	01953	21214
219 36	02855	59826	80	01854	61724	2–	81845	28585	2–	01854	28484
230 86	10862	20285	86	25855	26486	3–	25853	26183	57	02855	24188
245 51	02861	22417	57	01951	22313	50	00790	22200	14	01851	26103
260 57	61543	20328	57	05542	22413	50	47342	20202	50	08462	24202
276											
279 62	64644	21368	27	02843	24364	00	01890	61411	54	01861	22102
285 62	63745	24568							53	01852	28313
288 52	62852	18368	54	02853	19265	07	05690	20213	06	05690	17301
575 30	01852	24324	26	25864	28884	00	00890	00000	13	01861	00083
301 62	62626	24368	27	02753	26365	10	01852	30312	24	05552	32112
321 52	62635	28368	52	22555	22168	50	05563	24223	04	08490	26112
290 5–	62746	26366				50	01743	24113	54	01753	25304
292 37	62754	60068	57	02853	22767	07	01790	20224	04	01890	28111
310 --	61628	24468	--	02628	24458						
614 57	05624	53528	62	22445	22768	07	08490	26126	03	08490	28113

13h. G.M.T. 6th Oct. ..... 18h. G.M.T. | 01h. G.M.T. 7th Oct. ..... 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 82	62744	23268	27	22853	26165	20	25764	32284	40	01863	32203
334 --	61537	26268	—	01662	26213				--	04347	00028
340 52	62643	22268	27	02853	24126	07	01890	28213	04	04690	30211
136 5–	02844	20527	5–	64648	24468	5–	22668	24268	57	05643	32214
330 62	62626	28468	23	02754	28326				53	01753	28314
350 57	22844	16567	02	62548	26368	01	22690	00068	07	05690	30115
368 8–	62648	24268	52	22644	28168	03	00790	28103	50	05662	32213
379 57	02835	55558	62	62626	24168	50	01764	25364	04	05590	32324
390 37	05644	47557	57	08445	16327	5–	62558	28168	07	08490	30128
382 59	21844	55556				5–	05678	30158	07	05690	3227
438			5–	02768	20728	8–	61655	02465	57	02765	02418
430 5–	21636	50568	69	51745	49358	6–	02678	00068	03	05590	02226
402 52	62844	27288	57	22853	21268	21	02854	01225	27	01852	06213

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 7th October

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	do qdod	ido drcmo	crocmo	Kew 24 hours ending 17h.
Croydon ...	cdodomo	cdodocmo	crocmo	Time
Greenwich ...	cido	c	crrc	0·3 6h
Camden Square	c	c	*	Time
Kensington ...	cod	co	*	0·3 7-14h 6th
Hampstead ...	or	or	o	Min. Time
				0·1 7-14h 6th

Stations.	Temperature. Day Max °F	Temperature. Night Min °F	Temperature. Min on grass °F	Rainfall. Day mm	Rainfall. Night mm	Sunshine to sunset hrs	Humidity. 15h % Yesterday	Humidity. 9h % To-day
Kew	60	50	47	0·5	5	0·2	*	*
Croydon ...	59	51	49	0·3	7	0·1	*	*
Greenwich ...	61	50	49	Tr	5	0·2	79	81
Westminster ...	61	50	49	4			85	93
Regents Park ...	61	50	47	Tr	5		91	82
Camden Square	61	50	50	*	5	*	*	86
Kensington ...	62	50	47	0·2	5		83	87
Hampstead ...	60	46	44	–	5		*	92

SECRET

Page 1

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

BRITISH SECTION

Friday 8th October 1943

No. 28905.

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force. (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)	17·2	+6	N'E	3	z_0	56	55	45	6	1	3	6	1	9+	2500
	Croydon ...	17·7	+12	N	2	m	56	65	45	5	–	3	2	0	9	–
	S. Farnborough	17·0	+10	NE'N	2	z_0	56	75	47	6	5	4	6	4-6	9+	3000
	Boscombe Down	17·3	+6	NE	2	c-bc	55	55	40	7	2	3	6	1	7-8	3500
	Thorney Island	16·5	+10	N'E	3	bc	59	65	46	7	1	3	–	Tr	4-6	4000
	Lympne ...	16·2	+12	NNE	4	z_0	57	65	46	6	5	7	–	4-6	10	1500
	Manston ...	16·3	+18	N'E	3	z_0	57	75	49	6	5	–	–	9+	9+	5000
	Shoeburyness ...	17·0	+8	N	2	z_0	58	75	49	6	1	3	–	2-3	7-8	2500
	Felixstowe ...	16·7	+14	N	3	c-bc	57	65	45	8	1	3	6	2-3	7-8	4000
	Gorleston ...	16·5	+10	NNE	4	bc	56	75	52	7	2	4	–	2-3	4-6	2000
	Mildenhall ...	17·3	+8	N	3	c	56	75	49	7	1	–	2	4-6	9	3500
	Cranwell ...	18·1	+10	NNW	2	c-bc	56	65	43	7	2	–	6	7-8	7-8	3000
3	Birmingham ...	18·6	+8	N	2	z_0	55	45	35	6	1	–	1	Tr	2-3	2500
	Upper Heyford	17·7	+14	NNE	3	z_0	52	65	41	6	–	7	9	0	7-8	–
4	Ross-on-Wye	17·8	0	NE	3	b	56	55	40	8	1	–	1	Tr	1	3500
5	Hartland Point	18·0	+10	NE	4	b-bc	56	75	49	8	2	4	8	2-3	2-3	3000
	Bristol ...	18·4	+10	N	2	c-bc	53	65	41	7	–	–	6	0	7-8	–
	Portland Bill ...	16·6	+10	NE	4	c-bc	57	82	55	8	2	4	–	4-6	7-8	4000
	Plymouth ...	17·3	+6	ENE	4	c-bc	58	65	44	8	1	–	2	4-6	7-8	2500
	The Lizard ...	17·0	+14	NE	4	bc	58	75	48	8	2	3	2	2-3	4-6	3000
	Scilly (St. Mary's)	18·1	+12	NE	5	bc	58	65	46	8	3	6	5	4-6	4-6	1800
	Guernsey ...															
6	Pembroke ...	19·2	+8	ENE	3	b-bc	57	55	42	8	1	–	–	2-3	2-3	3000
7	Holyhead (Valley)	19·3	+10	NW'N	3	b-bc	56	65	44	8	2	–	–	2-3	2-3	3000
	Chester (Sealand)	18·3	+10	NW'N	2	bc	57	55	42	8	1	–	8	4-6	4-6	4000
8	Manchester ...	18·2	+4	NNW	2	z_0	55	55	38	6	1	–	–	Tr	Tr	4000
10	Spurn Head ...	18·3	+14	N	4	bc	54	75	46	7	1	4	–	2-3	4-6	2500
	Catterick (Sc.) ...	18·2	+14	NW	1	bc	55	65	45	9	1	–	–	4-6	4-6	3000
	Tynemouth ...	19·4	+10	WNW	3	b-bc	53	65	43	7	1	–	–	2-3	2-3	2500
11	St. Abbs Head	17·2	+20	W	3	b	50	65	43	8	1	–	–	1	1	3500
	Leuchars ...	17·7	+10	WNW	3	b-bc	53	55	38	8	1	–	8	1	2-3	3000
12	Renfrew (Abbotsl.)	18·4	+10	WNW	2	b-bc	53	65	40	9	1	–	–	2-3	2-3	2500
	Eskdalemuir ...	18·1	+10	WNW	3	bc	51	65	38	8	E	–	–	4-6	4-6	2800
	Point of Ayre ...	19·3	+14	N'W	3	c-bc	55	65	45	8	3	–	–	7-8	7-8	3500
13A	Tiree	18·6	+18	W'S	2	bc	53	85	48	8	2	3	–	2-3	4-6	2500
13B	Stornoway ...	15·7	+10	SW	4	cjp	52	75	44	8	8	6	–	7-8	9	1800
15	Dalwhinnie ...	17·5	+20	NW	3	bc	48	65	35	8	2	–	9	4-6	4-6	4000
	Aberdeen ...	17·2	+16	NW	3	bc	53	55	37	9	1	–	–	4-6	4-6	4000
	Wick ...	11·3	+20	WNW	4	b-bc	62	79	43	9	2	4	–	2-3	2-3	2500
16	Sumburgh ...	13·6	+26	W	3	b-bc	50	75	41	9	3	–	–	2-3	2-3	2000
17	Blacksod Point	19·7	+6	S'W	2	bc	54	75	47	8	8	–	–	4-6	4-6	2500
18	Malin Head ...	18·9	+10	NW	1	bc	53	55	38	8	1	–	1	2-3	4-6	1500
	Aldergrove ...	19·5	+6	–	0	b-bc	52	65	40	9	7	–	–	2-3	2-3	2700
19	Birr Castle ...	19·9	+2	NNW	1	bc	57	65	46	8	2	–	8	2-3	4-6	1500
20	Valentia Obsy.	20·7	+2	SSW	3	b	57	55	42	8	1	–	–	1	1	2800
	Roches Point	20·6	+2	E	1	bc	55	75	48	8	1	–	–	4-6	4-6	4000

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

District	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. 0–12 Force. (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	19·5	+20	NNE	2	z_0	53	75	43	5	5	3	6	1	9+	4000	1	*
	19·5	+16	N	1	z	53	75	45	4	1	7	1	Tr	4-6	4000	1	*
	18·3	+8	NNE	2	z_0	51	45	31	6	–	4	2	0	4-6	–	0	*
	19·2	+12	NE	1	z_0	50	75	41	6	–	–	6	0	7-8	–	0	*
	18·9	+22	N'E	2	z_0	51	85	45	6	–	7	9	0	7-8	–	0	*
	18·4	+14	NNE	3	c	52	85	46	7	5	7	4	2-3	9+	3000	0	§3
	18·5	+14	N'E	4	c	53	85	49	8	1	3	6	2-3	9	2300	0	*
	19·3	+8	NE	2	c-bc	51	85	46	8	5	–	–	2-3	7-8	2500	0	*
	19·5	+22	N	3	bc	53	75	47	7	5	–	8	1	4-6	4000	0	3
	18·4	+12	NNE	4	c-bc	55	75	47	7	8	–	–	7-8	7-8	1800	1	3
	22·0	+18	N'E	2	c	50	92	48	8	5	–	8	Tr	9	4000	0	*
	20·5	+14	–	0	z_0	48	85	44	6	4	–	–	2-3	2-3	4000	0	*
	20·5	+8	E	2	z_0	51	55	36	5	–	–	–	0	0	–	1	*
	19·8	+18	N'E	1	bc	48	75	41	7	–	–	2	0	4-6	–	0	*
	19·9	+16	NE	1	z_0	49	75	40	5	–	–	–	0	0	–	1	*
	19·3	+10	NE	3	b-bc	55	75	46	8	1	4	–	1	2-3	3000	0	3
	19·4	+14	S	1	z_0	48	85	44	5	–	–	1	0	1	–	0	*
	18·4	+8	NE	3	c	53	92	51	7	5	–	–	10	10	4000	1	4
	19·3	+14	NE	2	b-bc	54	65	42	7	–	7	9	0	2-3	–	0	1
	19·0	+12	NE	3	bc	54	75	47	8	4	–	1	2-3	4-6	3000	1	3
	19·2	+6	NE	4	b	54	75	47	8	7	–	–	Tr	Tr	2000	1	3
	20·9	+12	NE'N	3	b-bc	51	75	44	8	1	–	1	2-3	2-3	3000	0	1
	21·2	+8	–	0	b-bc	48	75	40	8	1	–	1	Tr	2-3	3500	0	1
	20·6	+10	–	0	bc	48	85	43	7	1	–	5	Tr	4-6	3000	0	*
	20·4	+10	NN'N	2	z_0	47	85	42	4	4	–	–	2-3	2-3	4000	1	*
	20·7	+14	ENE	3	bc	51	75	43	7	7	3	–	4-6	4-6	2500	0	1
	20·6	+12	NW	1	bc	46	85	42	6	–	6	8	0	4-6	–	0	*
	20·8	+8	ESE	2	b-bc	50	85	44	7	–	4	–	0	2-3	–	1	2
	19·0	+4	–	0	bc	48	65	38	7	4	4	–	2-3	4-6	3500	0	2
	19·8	+4	SW	1	b-bc	56	65	42	7	5	–	6	1	2-3	3500	0	*
	19·7	+10	SSW	2	b	49	75	40	7	5	–	–	1	1	2500	1	*
	20·5	+12	NNW	2	c	41	85	35	7	6	7	–	2-3	9+	2900	1	*
	20·7	+6	NE	1	b	47	85	43	8	5	–	–	Tr	Tr	2000	0	1
	18·8	+4	SW	2	c-bc	48	92	46	9	4	–	6	2-3	7-8	2500	1	1
	16·3	+2	SSW	3	c	50	75	42	8	7	7	–	2-3	9+	2500	0	2
	19·0	+10	SE	1	c-bc	41	92	38	8	5	–	–	7-8	7-8	2500	0	*
	19·3	+10	–	0	z_0	47	75	40	4	–	4	5	0	4-6	–	1	*
	17·9	+10	SW	3	c-bc	47	92	44	9	4	3	–	4-6	7-8	3500	1	*
	15·5	+6	NSW	3	c	50	85	46	9	4	3	–	7-8	9	2500	1	2
	18·5	–6	SW	4	c	53	65	42	8	6	–	–	10	10	2500	1	4
	18·7	0	SSW	2	b-bc	47	75	40	8	4	–	–	2-3	2-3	2500	2	3
	20·3	+6	–	0	b	45	75	38	9	5	5	–	Tr	1	4000	1	*
	20·0	+2	SSE	1	c	51	85	47	8	5	–	–	9	9	2500	1	*
	21·1	+4	S	3	c	50	75	43	9	1	–	2	Tr	9+	4000	1	2
	21·4	+6	–	0	b-bc	53	75	46	8	5	–	1	1	2-3	2500	1	3

PAST 24 HOURS.

Weather. 7h.–13h. 7th. (39)	13h.–18h. 7th. (40)	18h.–1h. 7th to 8th. (41)	1h.–7h. 8th. (42)
cm_0z_0y	cz_0yc_0	$cbcbcm_0b$	cmw
cm	$cz_0bccbcz$	$bczbcf_0$	$bcbfbm_0$
cm_0bcm_0	$cbcm_0$	bcm_0bm	$mfebcmc$
bcm_0cm_0c	$cycm_0$	cz_0bcm_0b	bbm_0bc
cm_0bc	bcz_0cz_0	bm_0bm_0	bm_0c
cm_0	cm_0c	$cwbcw$	$bcwcwbc$
cm_0	cz_0c	$cbccbc$	$cbcbbc$
cm_0irz_0	cz_0bcc	c	$cbcwcw$
cm_0cbc	$bccbc$	$bbcbm_0$	bm_0bcc
bc	c	bcb	bcm_0
bcm_0c	c	$cbcbm_0$	bm_0bm_0
bcm_0	$bcbm_0$	bm_0	bm_0bcbxf_0
$bcmbz$	bz	bm	bm
cz_0	cz_0bcz_0bc	$bcbm_0bm_0bmwcm_0$	
$bcbb$	$bybz_0$	bmw	$bfxfc$
bc	$ccbcc$	bcb	bcc
bcm_0c	cz_0ybz_0	bm_0bm_0f	$bfxfx$
c	c	$bcbc$	bcc
bc	bcb	$bcbbm_0$	bm_0cm_0
bc	bc	$bcbw$	$bbcc$
$bccbc$	$cbcb$	b	$bbcw$
bcy	$bcbc$	bbc	bbc
bc	bcb	bw	$bfwx$
bm_0zbc	$bcbybc$	bcm_0ff	cf
$ofefebw$	$bcbzcymocm_0bm$		$bffm_0bc$
bc	bc	b	bcm
bbc	bc	bm_0	bm_0ff
cm_0bc	bc	$bcbm$	bm_0bcm
b	bbc	$bbcb$	bbc
$bcxm_0b$	b	bcm_0w	Bcm_0
b	b	bbm_0wbw	$bwbcwc$
bc	bcc	$bbcc$	cpr_0c
c	cb	bw	$bbcw$
bc	bc	c	c
$cbcprc$	$cjpc$	bcm_0ff	ccr_0ir
bc	bcc	.	
$bbcy$	$bcbybw2$	$bcw2f_0$	$bbcc$
cpr_0bcb	$bcbc$	$bcbbc$	c
$bcpr_0$	bc	cid_0	c
bc	c	c	c
bc	bc	c	bc
$bcbcwbc$	$bybcyb$	$bbcbbc$	$bcbbc$
bc	c	•	c
b	bc	c	
b	bc	b	bc

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

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

Light or moderate southeast or south wind; fine; rather warm during day; rather cold at night.

Light or moderate south wind fresh or strong locally later on coasts; fine at first; slight rain later, rather warm.

Fresh or strong south winds, gale locally on coasts; cloudy; rain at times; rather warm.

16 Orkneys and Shetlands	As. 12–15.
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

GENERAL INFERENCE

An anticyclone over the North Sea is moving east and a trough of low pressure is approaching Ireland. There will be rain in the North and West but weather will be fine in the East and Southeast.

FURTHER OUTLOOK

Unsettled in the northwest and west with occasional rain; fair in the southeast.

Gale warning in operation in districts 20, time of issue at 0510h. in districts 8 (part of) 12, 13A, 13B, 15 (part of) 17 and 18 at 0750h. and in districts 16 at 0810 on the 8th

Forecasts issued at 1030.

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

7h. Friday 8th October 1943.

10° 5°W. 0° 5°E 10°

60° 55° 50°

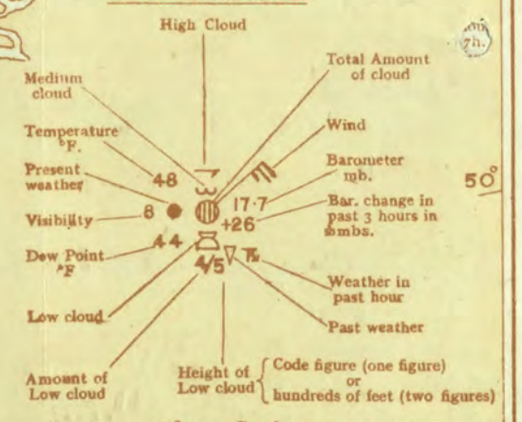
LOW

HIGH

994 996 998 1000 1002 1004 1006 1008 1010 1012 1014 1016 1018 1020 1022 1024

Mb 1050 1040 1030 1020 1010 1000 990 980 970 960 950 940 930 920 910

STATION MODEL



Scale 1.: 5,000,000

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

Ps 523/4556. Wt. 6091. D. 1545. Gp. 948/2. 7440. 10/43.

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, 8th October,

1943.

ke'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 8th October 1943

No. 29905

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon ...	290	22·6	+10	-	0	bc/-	43	97	43	3	-	-	2	0	4·6	-
	S. Farnborough	226	22·2	+8	-	0	m	39	85	35	4	-	-	-	0	0	-
	Boscombe Down	417	21·3	+4	ENE	1	b	44	92	42	7	-	-	-	0	0	-
	Thorney Island	10	21·0	+6	NNE	2	Z_0	48	97	48	6	-	-	-	0	0	-
	Lympne ...	283	20·6	+2	NE'N	3	b-bc	50	92	48	7	-	3	-	0	2-3	-
	Manston ...	154	20·7	+8	NE	3	c	55	75	49	7	5	-	2	7-8	10	3500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	21·9	+10	N	3	b	49	85	43	7	-	-	-	0	0	-
	Gorleston ...	5	21·1	+6	NNE	3	b	54	65	42	7	-	-	-	0	0	-
	Mildenhall ...	15	22·4	+6	NE	2	Z_0	37	97	37	6	-	-	-	0	0	-
	Cranwell ...	203	23·1	+4	-	0	Z_0	34	97	33	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22·1	-4	NNE	1	m	40	97	39	4	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·8	-2	E	4	b	50	75	43	8	-	-	-	0	0	-
	Bristol ...	209	22·7	+4	-	0	bf	39	97	38	3	-	-	-	0	0	-
	Portland Bill ...	32	20·6	+14	E'N	3	c	48	92	46	8	5	-	-	9+	9+	1000
	Plymouth ...	86	21·3	+2	ENE	1	Z_0	43	85	40	6	-	-	-	0	0	-
	The Lizard ...	240	20·5	-4	NE	3	b	49	85	45	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	20·5	-2	E	2	b	49	85	44	8	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	21·8	0	E	3	b-bc	47	92	45	8	5	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	21·1	-6	E	2	b	38	92	37	8	-	-	-	0	0	-
	Chester (Sealand)	16	22·1	-2	-	0	3F	38	92	37	7	-	-	-	0	0	-
8	Manchester ...	230	22·5	-2	-	0	bf	37	92	35	2	-	-	-	0	0	-
10	Spurn Head ...	29	22·7	+4	SE'E	2	b	50	75	41	7	-	-	-	0	0	-
	Catterick (Sc.) ...	192	22·7	-2	-	0	Z_0	35	97	33	6	-	-	-	0	0	-
	Tynemouth ...	108	22·4	0	W	3	m	43	92	40	4	-	-	-	0	0	-
11	St. Abbs Head	280	20·1	-2	SW	3	b-bc	44	75	37	7	5	-	-	2-3	2-3	4000
	Leuchars ...	36	21·4	+4	-	0	Z_0	42	92	40	6	-	1	-	0	2-3	-
12	Renfrew (Abbotsl.)	19	19·8	-6	NNE	1	L	38	97	38	7	-	-	-	0	0	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	20·7	-4	WSW	2	b	40	85	38	8	5	-	-	Tr	Tr	2000
13A	Tiree	44	16·4	-20	S	5	c	52	92	50	8	6	-	-	10	10	4000
13B	Stornoway ...	12	13·7	-18	S	6	c	51	85	45	7	6	2	-	8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	19·8	-4	SSW	3	c	44	85	39	9	-	1	1	0	10	-
	Wick ...	114	17·5	+10	S	3	bc	47	75	40	8	5	-	-	4-6	4-6	4500
16	Sumburgh ..	19	16·8	0	SSW	4	c	51	85	47	7	5	7	-	4-6	10	2000
17	Blacksod Point	18	12·9	-20	S'W	6	c	53	75	46	8	8	-	-	10	10	2500
18	Malin Head ...	84	16·7	-14	S'W	3	bc	47	75	40	8	4	-	-	4-6	4-6	2500
	Aldergrove ...	268	13·7	-10	SSE	2	b-bc	41	85	37	8	5	-	1	Tr	2-3	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18·0	-22	S	6	bc	50	75	43	8	1	-	6	1	4-6	2500
	Roches Point	22	18·8	-12	ESE	4	b-bc	51	85	47	8	5	-	-	2-3	2-3	2500

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

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)	22·9	+12	-	0	m	44	92	42	4	5	3	-	7-8	7-8	4000	1	*
	Croydon ...	23·8	+16	SE	1	bc/f	39	97	39	4	5	-	-	2-3	2-3	4500	1	*
	S. Farnborough	22·9	+12	-	0	c-bc/f+	38	97	37	3	5	-	-	7-8	7-8	3200	0	*
	Boscombe Down	21·7	+4	ENE	2	Z_0	43	97	42	6	5	-	-	4-6	4-6	2500	0	*
	Thorney Island	20·2	+2	NNE	2	c-bc	42	92	39	7	8	-	-	7-8	7-8	4000	1	*
	Lympne ...	22·1	+14	NE'E	2	b-bc	48	92	46	8	5	3	-	2-3	2-3	1800	1	4
	Manston ...	21·5	+10	E'N	2	b-bc	53	75	46	8	5	-	-	2-3	2-3	5500	-	*
2	Shoeburyness ...	22·3	+10	N	2	c-bc	45	92	43	8	8	-	-	7-8	7-8	2500	0	*
	Felixstowe ...	22·3	+10	N'E	3	c-bc	46	85	42	7	2	7	-	7-8	7-8	2500	0	3
	Gorleston ...	21·1	+20	ENE	2	bc	53	75	46	7	2	-	-	4-6	4-6	1500	0	2
	Mildenhall ...	23·0	+10	-	0	Z_0	30	97	30	5	5	4	-	1	2-3	4000	0	*
	Cranwell ...	23·3	+6	-	0	fg	33	97	31	7	-	3	-	0	1	-	1	*
3	Birmingham ...	22·5	+2	SE	1	m	40	97	40	4	-	-	-	0	0	-	1	*
	Upper Heyford	22·7	+3	ENE	1	Z_0	41	97	40	6	5	-	-	4-6	4-6	4500	0	*
4	Ross-on-Wye	22·4	0	VR	1	F	32	97	32	1	-	-	-	10	10	<150	1	*
5	Hartland Point	20·4	+8	SSE	3	b-bc	46	92	44	7	4	-	2	2-3	2-3	2000	0	3
	Bristol ...	22·9	+6	-	0	bf+	31	97	31	1	-	-		0	0	-	0	*
	Portland Bill ...	20·5	+4	ENE	4	c-bc	50	92	48	7	5	-	-	7-8	7-8	4000	1	4
	Plymouth ...	20·9	+2	ENE	1	Z_0	46	97	45	6	5	-	-	3	9	3500	0	1
	The Lizard ...	20·0	+6	NE	2	c	49	97	48	7	5	-	-	9+	9+	1500	0	3
	Scilly (St. Mary's)	20·4	+8	SW	2	b	41	85	46	8	8	-	-	4-6	4-6	1800	1	2
6	Pembroke ...	20·7	0	SE	3	bc	51	85	46	7	2	7	-	1	4-6	3000	0	1
7	Holyhead (Valley)	20·8	+2	SE	4	b	49	75	43	7	-	-	6	0	4-6	-	1	1
	Chester (Sealand)	21·8	+2	E	1	bc/f	35	92	34	8	-	-	6	0	4-6	-	0	*
8	Manchester ...	22·0	-2	SE	2	c-bc	41	92	39	8	8	-	6	4-6	7-8	2500	1	*
10	Spurn Head ...	23·1	+1	NW'W	1	Z_0	45	91	45	6	4	-	-	2-3	2-3	2500	0	1
	Catterick (Sc.) ...	23·0	+4	SE	1	F+	34	97	34	1	-	-	-	10	10	<150	1	*
	Tynemouth ...	22·2	0	SSW	3	m	40	97	40	4	-	3	2	0	4-6	-	1	2
11	St. Abbs Head	19·4	0	SW	3	bc	41	85	36	7	5	4	-	2-3	4-6	3500	0	2
	Leuchars ...	18·7	-6	W'N	1	Z_0	40	92	38	6	5	7	-	2-3	9+	2500	1	*
12	Renfrew (Abbotsl.)	17·9	-6	NE'E	2	c	42	97	40	6	5	1	-	2-3	10	3000	1	*
	Eskdalemuir ...	20·1	+6	-	0	c/pr	35	97	34	8	5	-	-	0	10	1100	1	*
	Point of Ayre ...	19·2	-6	SSW	3	bc	47	85	44	8	5	-	5	Tr	4-6	2000	0	4
13A	Tiree	12·8	-16	S	7	c	51	97	50	8	5	-	-	10	10	2800	1	4
13B	Stornoway ...	09·2	-24	S	8	ir_0	52	75	46	7	6	2	-	7-8	10	800	1	5
15	Dalwhinnie ...	16·0	+10	S	3	c	43	85	38	7	5	2	-	9	10	1300	0	*
	Aberdeen † ...	18·2	-10	SSW	2	Z_0	44	75	38	6	5	4	6	7-8	9	2500	1	1
	Wick ...	15·4	-10	S	5	c	48	85	43	8	5	2	-	4-6	10	2000	1	*
16	Sumburgh ..	15·2	-10	S	5	c	51	85	46	6	5	2	-	4-6	10	2500	0	3
17	Blacksod Point	10·2	-22	S	7	c	53	97	52	7	6	-	-	9+	9+	1500	1	5
18	Malin Head ...	13·1	-18	S	5	c	48	75	41	8	5	-	-	10	10	2500	1	4
	Aldergrove ...	17·1	-12	S	4	c	47	85	42	8	-	7	-	0	10	-	1	*
19	Birr Castle ...	16·7	-12	S	2	c	47	85	43	8	5	2	-	7-8	10	2500	1	*
20	Valentia Obsy.	15·2	-14	SE'S	5	c	53	75	46	8	5	2	-	7-8	10	2300	1	4
	Roches Point	17·8	-10	S	4	c	54	85	50	8	5	1	-	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 Hrs. (38)
1	London (Kew)	58	42	28	-	Tr	0·7
	Croydon ...	58	39	34	-	Tr	1·7
	S. Farnborough	59	36	28	-	Tr	2·0
	Boscombe Down	56	40	35	-	Tr	2·4
	Thorney Island	60	42	35	-	Tr	*
	Lympne ...	*	47	43	-	0·2	1·5
	Manston ...	57	52	48	-	-	1·8
2	Shoeburyness ...	59	44	41	Tr	-	3·6
	Felixstowe ...	60	44	41	-	-	3·3
	Gorleston ...	58	52	44	-	-	4·7
	Mildenhall ...	57	30	30	-	-	0·9
	Cranwell ...	56	31	24	-	-	7·8
3	Birmingham ...	56	39	20	-	-	7·9
	Upper Heyford	54	37	30	-	-	*
4	Ross-on-Wye	57	31	26	-	Tr	8·8
5	Hartland Point	57	43	41	-	-	9·7
	Bristol ...	57	31	24	-	Tr	6·1
	Portland Bill ...	57	47	*	-	-	*
	Plymouth ...	60	41	29	-	-	9·0
	The Lizard ...	59	46	*	-	-	9·7
	Scilly (St. Mary's)	58	46	*	-	-	10·0
6	Pembroke ...	58	46	*	-	-	8·9
7	Holyhead (Valley)	56	37	29	-	-	*
	Chester (Sealand)	57	35	28	Tr	-	9·6
8	Manchester ...	56	35	28	-	-	*
10	Spurn Head ...	54	44	*	-	-	9·4
	Catterick (Sc.) ...	55	32	30	-	-	7·9
	Tynemouth ...	54	40	28	-	-	*
11	St. Abbs Head	51	39	*	-	-	*
	Leuchars ...	56	39	29	-	-	9·1
12	Renfrew (Abbotsl.)	55	38	36	-	-	8·9
	Eskdalemuir ...	53	30	20	-	Tr	7·8
	Point of Ayre ...	55	38	*	0·3	-	6·3
13A	Tiree	54	48	*	0·1	-	7·2
13B	Stornoway ...	53	48	41	1	-	2·2
15	Dalwhinnie ...	51	35	27	-	-	6·1
	Aberdeen † ...	53	44	31	-	-	9·1
	Wick ...	54	45	38	1	-	*
16	Sumburgh ..	51	45	46	0·1	1	7·1
17	Blacksod Point	55	51	*	-	Tr	*
18	Malin Head ...	53	44		-	-	
	Aldergrove ...	55	40	34	Tr	-	8·5
19	Birr Castle ...	58	40	36	-	-	
20	Valentia Obsy.	57	44	36	Tr	Tr	
	Roches Point	59	51	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 7th October ... 18h. G.M.T. | 01h. G.M.T. 8th October ... 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	20		01964	25414	87		81756	22387	8·		01754	16414	52		02751	30528
115	84		10854	24426	27		02844	24487	52		02844	20227	52		02854	16425
203													5·		02848	16628
206	13		02964	22415	46		01972	18313	50		02962	00018	57		02865	16228
240	20		01953	23314	44		01963	20214	03		01790	16113	57		02865	15318
219	26		01963	22484	13		02963	18416	57		02855	16528	62		62747	16[illegible]
230	70		01964	24184	51		02963	20228	07		02890	00028	52		02865	[illegible]
245	10		01954	21104	40		01961	18111	00		05690	00013	51		05665	
260	10		05653	28213	50		05545	00016	00		05590	20100	54		01744	[illegible]
276																
279	10		01863	22214	40		00861	20211	00		01690	12203	57		05652	12115
285	13		01854	28514									53		05644	14315
288	10		01763	24303	00		05690	09210	00		05690	20200	00		47290	23204
575	10		01864	28114	05		02890	00018	51		02863	15228	57		02843	17328
301	16		01853	29224	04		05030	30101	00		08490	08100	00		08490	12303
321	14		01851	32313	44		05652	00013	00		08490	00000	00		47190	16140
290	24		01752	32303	00		00790	02200	00		00790	20100	50		05652	22102
292	10		01863	32203	40		01863	00013	00		05690	00010	--		48109	00048
310	--		01642	32312									--		04424	14315
614	10		01751	02301	00		01690	04113	00		47390	00000	--		48009	00049

13h. G.M.T. 7th October ... 18h. G.M.T. | 01h. G.M.T. 8th October ... 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	20		02863	30225	40		01962	31212	00		00790	00010	00		05690	17305
334	--		05643	28215									--		05543	00015
340	10		05652	02302	00		00690	00100	00		08490	00000	5-		48337	16247
136	10		01754	02315	40		01863	04214	00		00890	04100	03		01890	06101
336	10		01763	04313	50		01753	04313					--		46309	08249
350	07		02790	32316	03		05690	02115	00		47390	00040	54		02472	08143
368	10		01761	04314	04		01790	06113					00		08490	07104
379	07		05690	02325	00		05690	04214	00		05690	02200	54		05562	08113
390	17		05663	32324	07		05690	02224	00		05590	02200	03		05690	06125
382	13		05661	03327	00		17690	00023	00		05590	00000	5-		47151	00040
438					57		02664	02415	50		01763	02513	.			
430	03		05690	02324	03		05690	32115	00		05690	04120	50		02765	02326
409	26		01854	02414	04		01790	04211	00		00790	08300	53		05652	13205

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 8th October...
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 ...	cmbz$_0$y	cz$_0$yem$_0$	cbcmw	Kew 24 hours ending 7h. Max. Time 0.36/7h. 8th
Croydon ...	em	cz$_0$bccbcz	bczfbw	
Greenwich ...	c	cbccy	bcbwcm	
Camden Square	bc	bc	*	
Kensington ...	bc	bc	*	
Hampstead ...	o	bc	bc	Min. Time 0.1 12/16h. 7th

Stations.	Temperature. Day Max °F	Temperature. Night Min °F	Temperature. Min on grass °F	Rainfall. Day mm	Rainfall. Night mm	Sunshine to sunset hrs. Yesterday	Humidity. 15h % Today	Humidity. 9h % Today
Kew ...	58	42	28	-	Tr	0·7	*	*
Croydon ...	58	39	34	-	Tr	1·7	*	*
Greenwich ...	58	43	30	-	-	2·1	58	73
Westminster ...	59	47	40	-	-	*	75	84
Regents Park ...	60	44	33	-	-	*	63	71
Camden Square	60	44	34	-	-	*	*	81
Kensington ...	59	44	33	-	Tr	*	53	78
Hampstead ...	56	43	38	-	-	*	*	71

SECRET

Page 1

BRITISH SECTION

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

Saturday 9th October 1943

No. 29306

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	22.2	-6	ESE	2	cbc	59	55	43	7	8	–	1	7-8	7-8	4000
	Croydon	22.7	-6	E'N	1	z0	62	55	46	6	1	–	–	4-6	4-6	3000
	S. Farnborough	21.9	-10	E'S	2	c-bc	63	55	47	7	1	–	6	4-6	7-8	3000
	Boscombe Down	21.4	-10	S	2	c	61	65	47	7	2	–	1	7-8	9	2500
	Thorney Island	21.6	+6	SE'E	3	bc	64	65	51	8	2	–	3	2-3	4-6	4000
	Lympne	22.5	+2	NE	3	bc	59	65	46	8	1	3	–	4-6	4-6	3700
	Manston	22.5	0	E	3	b-bc	59	65	47	8	1	3	–	1	2-3	2800
2	Shoeburyness	22.9	-2	E	3	bc	58	65	48	8	2	3	–	2-3	4-6	2500
	Felixstowe	22.9	-2	E'S	3	b-bc	61	55	47	8	1	–	2	2-3	2-3	4000
	Gorleston	23.3	-2	SE'S	3	c-bc	57	75	47	7	8	4	1	4-6	7-8	2000
	Mildenhall	22.6	-10	S	2	Gbc	65	55	49	9	1	–	2	4-6	7-8	3000
	Cranwell	22.2	-14	S'E	2	c-bc	58	65	45	8	1	–	6	1	7-8	3000
3	Birmingham	21.7	-6	S	3	c	57	65	44	8	7	–	6	4-6	9+	2500
	Upper Heyford	22.0	-12	SSE	2	c	59	65	45	7	1	–	6	7-8	9	3500
4	Ross-on-Wye	21.1	-16	S	2	c	59	65	48	7	1	1	7	2-3	9+	3000
5	Hartland Point	20.4	-8	WSW	3	c	57	85	51	7	5	–	–	9+	9+	1500
	Bristol	21.7	-16	S	1	z0	60	65	48	6	1	–	–	4-6	9	2500
	Portland Bill	22.1	+6	E	4	Gbc	59	92	57	8	2	–	–	7-8	7-8	4000
	Plymouth	21.1	-6	ESE	3	z0	59	85	53	6	5	–	–	9+	9+	3000
	The Lizard	20.8	+2	NE	2	z0	61	85	56	5	2	6	–	7-8	7-8	2000
	Scilly (St. Mary's)	21.1	+2	SW'S	3	c	58	75	51	7	5	7	–	2-3	10	1500
	Guernsey															
6	Pembroke	20.6	-2	SW	3	c	56	65	45	7	2	1	–	2-3	9+	2000
7	Holyhead (Valley)	19.5	-10	S	6	c	55	75	49	7	5	1	–	4-6	10	2000
	Chester (Sealand)	20.6	-14	SE	2	z0	54	76	47	6	–	2	–	0	10	–
8	Manchester	21.3	-14	S'W	2	z0	53	75	46	4	–	1	–	0	10	–
10	Spurn Head	23.4	-8	SE	3	bc	56	75	47	7	1	7	–	2-3	4-6	2500
	Catterick (Sc)	21.6	-12	SSE	3	m	49	85	46	4	5	2	–	7-8	10	2500
	Tynemouth	20.8	-20	S	5	z0	52	75	45	6	5	2	–	4-6	4-6	2200
11	St. Abbs Head	15.6	-36	S	5	c	49	65	39	7	5	2	–	7-8	10	2500
	Leuchars	16.5	-22	S	4	z0	51	65	41	6	–	7	–	0	10	–
12	Renfrew (Abbots I.)	15.4	-22	S	4	z0	55	65	43	6	5	7	–	7-8	10	2200
	Eskdalemuir	17.9	-18	SE'S	4	z0	48	85	42	6	5	1	–	10	10	1200
	Point of Ayre	18.2	-10	SW	4	c	54	75	46	7	6	7	–	Tr	10	800
13A	Tiree	10.4	-12	S	7	dd	51	97	51	5	6	–	–	10	10	800
13B	Stornoway	05.7	-18	S	9	rr	49	97	49	6	6	2	–	7-8	10	700
15	Dalwhinnie	13.0	-28	SSW	5	c	49	75	40	7	5	7	–	7-8	10	1500
	Aberdeen	16.1	-16	S	3	z0	50	85	45	6	5	2	–	4-6	10	1500
	Wick	11.9	-32	S	6	ir0	50	85	44	8	5	7	–	4-6	10	4500
16	Sumburgh	12.5	-20	S	6	c/r	51	85	46	8	5	7	–	2-3	10	2000
17	Blacksod Point	09.6	-2	S'W	7	Dr	54	97	53	6	–	2	–	10	10	800
18	Malin Head	09.5	-10	SSW	7	ir0	51	75	43	8	5	2	–	2-3	10	1500
	Aldergrove	14.7	-16	S'E	4	c	53	75	44	9	5	–	–	7-8	9+	4000
19	Birr Castle	14.9	-10	SSW	3	c	54	75	46	7	5	–	–	10	10	1500
20	Valentia Obsy.	15.1	-6	S	5	dd	53	97	52	6	6	–	–	10	10	800
	Roches Point	18.0	-2	S	4	rr	55	97	54	7	6	2	–	4-6	10	1500

OBSERVATIONS at 18h. G.M.T. 8th October — 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. 8th (39)	Weather 13h.–18h. 8th (40)	Weather 18h. 8th to 1h. 9th (41)	Weather 1h.–7h. 9th (42)
London (Kew)	23.0	+12	ESE	2	fg	55	75	47	8	5	–	8	4-6	4-6	4000	1	*	c, bfcw	bczcmw	cmbcff	ofey
Croydon	23.1	+6	E	1	m	52	85	48	4	–	7	1	0	2-3	–	0	*	bmbczy	bcybcm0	bcmfgbcm	wbcmwcmgf
S. Farnborough	22.5	+6	E'N	1	z0	55	75	48	6	–	4	6	0	7-8	–	0	*	cfmbfzbcy	cz0cm0	cbcm0fcbcf	bcbfwbcfof
Boscombe Down	22.1	+6	S'W	1	c	54	85	50	7	4	7	7	4-6	10	3000	0	*	bcm0bm0bc	c	ccm0bcf	bfbc m0bc
Thorney Island	22.2	+6	SE'E	2	bc	56	85	51	8	–	7	2	0	4-6	–	0	*	bc	bc	bcw	bcm0w
Lympne	22.3	+2	NE	3	b-bc	50	85	46	8	5	–	1	1	2-3	3000	0	§3	bcc	bc	bcc	cbccm0
Manston	22.5	+6	NE'E	2	b-bc	52	85	48	7	–	–	1	0	2-3	–	0	*	bc	bcbbc	bbccmf	cm0
Shoeburyness	23.2	+4	E	2	b-bc	55	75	47	8	–	–	1	0	2-3	–	0	*	cwbc	bc	bc	bccm0w
Felixstowe	23.4	+10	E'N	3	b-bc	55	75	46	8	–	–	8	0	2-3	–	0	2	cbcbcy	bcyb	bbcb	bm0cm0w
Gorleston	23.1	+2	SE'S	3	bc	55	85	51	7	5	4	2	2-3	4-6	2500	0	3	bcc	bc	bc	bcqwc
Mildenhall	23.0	+10	SE	2	z0	51	85	48	6	–	–	8	0	4-6	–	0	*	bm0bc	bvcbc	bcbm0	bm0cmw
Cranwell	22.1	+4	SE	1	c	52	85	50	8	1	2	–	Tr	9+	3500	0	*	bcm0c	c	cbcbbm0	bm0cmcm
Birmingham	21.4	+2	SW	1	z0	55	75	47	6	5	7	–	4-6	10	2500	1	*	bmc	cbccz	cbc	bccm
Upper Heyford	21.7	+4	S	1	c	56	65	45	7	5	–	8	2-3	10	3000	0	*	bcc	cbcc	cbccm0	cmbcfjfw
Ross-on-Wye	21.4	+4	S	1	z0	54	85	48	6	5	1	2	Tr	4-6	2500	1	*	fcfbcc	ccz0	cm0	cm0
Hartland Point	20.5	+2	SSE	2	c	56	92	53	7	5	–	8	7-8	9+	1400	0	2	bcc	c	c	c
Bristol	21.9	+4	S	1	z0	56	75	49	6	5	7	–	4-6	9+	4000	0	*	bcm0cm0	ccm0	cm0bcm0	bcm0cm0zz
Portland Bill	22.8	+12	ESE	3	c	58	92	56	8	5	–	–	10	10	4000	0	4	c	c	c	bcc
Plymouth	21.8	+8	SE'S	2	z0	57	97	55	6	5	7	–	4-6	10	2000	0	1	cm0	cm0	qcm0w	bcmwcm0
The Lizard	20.8	0	–	0	z0	55	92	53	5	5	3	–	7-8	9+	1500	0	3	cz	cz	cz	czw
Scilly (St. Mary's)	20.8	+2	SSW	2	c	55	85	49	7	5	7	–	7-8	9+	1200	1	2	bcc	c	cbc	cbccw
Guernsey																					
Pembroke	20.2	+2	SW	3	c	58	65	45	3	2	7	–	7-8	10	2000	0	3	c	c	pr c	bcm
Holyhead (Valley)	19.6	+6	SW'S	5	c	53	92	49	7	1	7	–	2-3	10	2000	1	4	c	cir0c	cr0r0	[illegible]
Chester (Sealand)	20.5	+6	SE	1	z0	52	85	48	6	–	4	7	0	10	–	0	*	cm0	z0m0c	[illegible]	cmm0
Manchester	20.6	+2	S'W	3	z0	51	85	47	6	4	3	6	2-3	10	2500	1	*	bcm0cz	czz0c	cocm0cm	cm
Spurn Head	22.3	-8	SE	4	c	55	85	51	7	4	3	–	4-6	9+	2500	0	1	bc	c	bc	cz0
Catterick (Sc)	21.0	+2	SE	1	z0	49	92	47	5	5	7	–	2-3	10	2500	0	*	ofbfcm	cm	cm	cr0r0fr0
Tynemouth	20.0	+10	S	3	m	52	85	47	4	5	3	–	4-6	7-8	2200	1	2	bcm0	cm	cm0	om0m
St. Abbs Head	16.3	+12	SSW	5	c	51	75	42	7	5	7	–	7-8	9	2500	0	4	cm0	cm0	cbcm0	c
Leuchars	15.8	+4	S	3	z0	53	75	45	5	5	7	–	4-6	10	2500	0	*	cm0	cm0	cir0m0c	cm0cid0bc
Renfrew (Abbots I.)	16.2	+8	S	3	r0r0	52	85	46	6	5	2	–	9	10	1400	1	*	cm0, m, m0	cm0ir0d0d0m0	cr0r0ir0m0	cm0id0cm0
Eskdalemuir	16.8	-2	S'W	5	c	49	85	45	6	5	7	–	7-8	9+	800	1	*	c	cmc	cr0m0f	cr0d0d0f
Point of Ayre	17.7	+2	WSW	4	c	54	75	46	8	6	7	–	Tr	10	1000	0	3	bcc	c	c	cr0r0
Tiree	11.3	+14	SSW	6	dd	53	97	53	5	6	–	–	10	10	400	1	5	corrm0	cdrd0r0m0	cid0bc	cddm0d0d0m0
Stornoway	06.8	+14	SSW	5	r0r0	53	92	51	6	6	2	–	9	10	600	2	4	cm0r0r	crrr0r0	cr0r0cbc	bcbc
Dalwhinnie	12.0	+2	SSW	4	ir	47	92	46	7	5	–	–	10	10	1500	1	*	oco	oir	*	oir0
Aberdeen	14.7	-6	S	4	z0	51	75	43	6	5	2	–	9	10	2500	1	2	cz0	cz0ir0	cz0	cbcwz0
Wick	11.0	-4	SSW	6	ir0	51	75	45	8	5	7	–	4-6	10	2500	1	*	cir0r0r0c	cir0crr0c	cr0ccb	b
Sumburgh	10.2	-10	S	6	r0r0	50	92	48	6	6	–	–	10	10	1200	1	3	r0c	cr0r0	cid0c	bc
Blacksod Point	12.3	+18	SSW	4	d0d0	57	97	56	7	–	2	–	10	10	1500	2	3	r	d	d	d
Malin Head	11.3	+14	S'W	7	ir0	53	85	48	8	5	2	–	4-6	10	1500	2	5	r	r	r	r
Aldergrove	14.8	+6	SW'S	3	id0	53	85	47	8	5	–	–	10	10	1600	1	*	c	c	cid0c	c
Birr Castle	15.2	+10	SSW	4	c	54	85	49	7	9	2	–	7-8	10	1500	1	*	r	c	*	r
Valentia Obsy.	15.1	+2	S	5	r0r0	55	97	54	5	5	–	–	10	10	300	1	4	r	r	r	r
Roches Point	18.1	+6	S'W	4	o/d	54	97	53	7	5	–	–	10	10	800	1	4	r	r	d	d

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light variable or southerly winds; fair; rather general mist and fog around dawn; rather warm by day and rather cold by night.
5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England	Light or moderate southerly winds; variable cloud, with a few patches of hill fog; rather cold.
9 N. Midlands; 10 N.E. England	As 1-4
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate or fresh southerly winds; some rain or drizzle in West and North, with some hill and coast fog; variable cloud in East; 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 or fresh southerly winds; cloudy; local rain or drizzle, chiefly in West and South; some hill fog; rather cold.

GENERAL INFERENCE

Pressure is low in the Iceland area and high to South and east of the British Isles; a trough is approaching the British Isles from the Atlantic; weather will be cloudy in the West and North with some rain or drizzle and hill fog; weather will be fair in the East and South with rather general fog around dawn.

FURTHER OUTLOOK

Continuing fair in the southeast; unsettled in the West and North with some rain or drizzle.

Gale warning in operation in districts 13A, 13B, 17 and 18, 20 (parts of) Issued 05.10 GMT 8-10-43

Forecasts issued at 10-30.

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

7h. Saturday 9th October, 1943.

LOW

HIGH

10° 5°W. 0° 5°E 10°

60° 55° 50°

1006 1008 1010 1012 1014 1016 1018 1020 1022 1024 1026

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

STATION MODEL

High Cloud
Medium cloud
Temperature °F.
Present weather
Visibility
Dew Point °F
Low cloud
Amount of Low cloud
Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)
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

Pc.523/4556. Wt. 8091. D. w545. Gp. 946/2. 3440 10/43.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of
Saturday 9th October
1943.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.
Statute Miles 0 1020 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 9th October 1943 — No. 23906

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

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	*	*	*	*	*	45	*	*	*	*	*	*	*	*	*
	Croydon ...	290	25·0	+2	–	0	m	48	97	42	4	–	4	6	0	2-3	–
	S. Farnborough	226	24·6	+2	–	0	b-bc	42	92	40	2	–	4	1	0	2-3	–
	Boscombe Down	417	24·1	+6	E'S	1	bc	46	97	46	2	–	7	–	0	4-6	–
	Thorney Island	10	23·7	–2	N'E	1	b-bc	44	97	44	7	–	3	–	0	2-3	–
	Lympne ...	283	23·8	–2	NE	3	c-bc	53	85	50	7	5	–	–	7-8	7-8	3700
	Manston ...	154	23·8	0	N'E	1	Zo	55	85	51	6	5	–	–	10	10	2800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	24·3	+2	ENE	1	b	47	85	44	7	–	7	–	0	Tr	–
	Gorleston ...	5	23·8	0	NNW	2	b-bc	48	85	42	7	–	4	–	0	2-3	–
	Mildenhall ...	15	24·4	+2	SE	2	Zo	43	97	43	6	–	4	–	0	Tr	–
	Cranwell ...	203	23·9	+6	–	0	Zo	43	97	42	6	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	23·8	+4	SSE	1	Zo	49	92	47	5	5	–	6	4-6	9	4500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·9	+2	SSE	2	Zo	54	97	54	6	5	–	–	9+	9+	2500
	Bristol ...	209	23·1	0	–	0	Zo	49	97	48	5	5	4	–	2-3	2-3	4000
	Portland Bill ...	32	23·5	+4	SE	3	c-bc	56	92	54	8	5	–	–	7-8	7-8	4000
	Plymouth ...	86	22·3	+2	ENE	1	Zo	53	97	53	5	5	7	–	4-6	10	4000
	The Lizard ...	240	21·7	0	ESE	2	Zo	55	97	54	5	5	2	–	7-8	9+	1000
	Scilly (St. Mary's)	163	21·5	+2	SSE	3	Zo	55	92	54	6	5	3	–	7-8	9+	1500
	Guernsey ...	175															
6	Pembroke ...	142	21·6	+2	SSW	3	c-bc	56	75	48	8	8	4	–	4-6	7-8	1500
7	Holyhead (Valley)	32	21·7	+8	S'W	5	c-bc	52	92	50	6	6	2	–	7-8	10	2500
	Chester (Sealand)	16	22·0	+2	SE	1	c-bc	51	85	47	4	5	2	–	9	10	4500
8	Manchester ...	230	22·3	+2	S'E	3	m	51	85	47	4	–	7	–	0	10	–
10	Spurn Head ...	29	23·7	+4	SW'S	4	bc	50	85	46	7	7	3	–	2-3	4-6	2500
	Catterick (Sc.) ...	192	21·6	+2	S	1	m	48	97	48	4	–	7	–	0	10	–
	Tynemouth ...	108	21·1	+6	S	4	Zo	52	92	49	6	–	2	–	10	10	1500
11	St. Abbs Head	280	17·3	+2	SSW	5	c-bc	52	85	46	7	5	–	–	7-8	7-8	2500
	Leuchars ...	36	18·3	+6	SW	3	c	52	85	48	7	5	7	–	4-6	10	1500
12	Renfrew (Abbotsl.)	19	17·8	+10	S'W	3	Zo	53	92	51	6	5	2	–	7-8	10	1100
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	19·7	+6	NSW	4	c	52	85	49	8	5	7	–	2-3	10	1500
13A	Tiree	44	15·9	+14	–	0	Zo	53	97	53	6	5	–	–	7-8	7-8	2500
13B	Stornoway ...	12	13·3	+22	SSW	3	b-bc	50	85	47	8	5	3	–	2-3	2-3	2200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	16·7	+12	SW	3	bc	50	85	46	8	5	7	–	4-6	4-6	4500
	Wick ...	114	14·4	+22	SW	2	b	50	97	49	8	5	–	–	Tr	Tr	3000
16	Sumburgh ..	19	13·0	+20	SW	5	c-bc	53	97	52	7	5	–	–	7-8	7-8	2000
17	Blacksod Point	18	14·8	+10	S'W	3	id	56	92	54	7	6	2	–	4-6	10	1500
18	Malin Head ...	84	15·5	+14	S	3	i/c	55	92	53	8	5	–	–	10	10	1500
	Aldergrove ...	268	18·3	+14	S'E	2	c	52	85	50	7	5	–	–	10	10	1400
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15·7	–2	S'E	4	dd	56	97	56	5	5	–	–	10	10	450
	Roches Point	22	19·1	+2	S'W	5	dd	55	97	55	6	5	–	–	10	10	450

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

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)	25·4	+8	SW	1	F-	43	97	43	0	–	–	–	10	10	1150	1	*
	Croydon ...	25·9	+10	ESE	1	m	41	97	40	4	5	–	6	Tr	9	7000	0	*
	S. Farnborough	25·6	+6	–	0	F+	37	97	36	1	–	–	–	10	10	1150	1	*
	Boscombe Down	24·7	+8	ESE	1	fg	45	97	43	7	–	4	6	0	7-8	–	0	*
	Thorney Island	24·1	+8	–	0	fg	43	92	41	7	–	–	4	0	4-6	–	2	*
	Lympne ..	24·8	+8	NE	2	fg	51	97	50	6	5	–	1	7-8	7-8	3600	0	*
	Manston ...	24·7	+10	–	0	Zo	52	97	50	5	5	–	–	9	9	3000	0	*
2	Shoeburyness ...	25·0	+8	N	2	Zo	45	97	45	5	5	–	1	7-8	9	4000	1	*
	Felixstowe ...	24·8	+6	E	1	Zo	47	92	45	5	5	7	–	7-8	9+	4000	0	2
	Gorleston ...	24·5	+6	NNW	1	Zo	45	85	40	6	5	4	–	4-6	7-8	2000	0	2
	Mildenhall ...	25·5	+10	SE	2	Zo	38	97	38	5	–	4	6	0	9	–	0	*
	Cranwell ...	25·0	+10	S	1	m	44	97	43	4	–	9	1	0	9	–	1	*
3	Birmingham ...	24·3	+6	SSW	2	Zo	48	92	44	5	5	–	–	9+	9+	4000	1	*
	Upper Heyford	24·7	+6	ESE	1	m/f	45	97	43	4	–	9	6	0	7-8	–	0	*
4	Ross-on-Wye	23·5	+6	NW	1	Zo	51	92	48	6	5	3	–	7-8	9+	3000	1	*
5	Hartland Point	21·9	+2	SSE	2	c	55	97	55	7	–	7	–	0	9	–	0	2
	Bristol ...	24·1	+8	NNE	1	Zo	50	92	48	6	5	3	–	7-8	9+	4000	0	*
	Portland Bill ...	23·7	+4	SE	3	c-bc	58	92	56	8	2	4	–	4-6	7-8	4000	1	4
	Plymouth ...	23·1	+6	SE	1	Zo	55	97	54	6	5	3	–	4-6	7-8	1500	0	1
	The Lizard ...	21·6	0	SE	3	Zo	56	97	56	6	5	–	–	9+	9+	1500	1	3
	Scilly (St. Mary's)	21·4	+4	SSE	2	Zo	56	97	55	6	5	7	–	4-6	9	1500	1	2
6	Pembroke ...	21·7	+2	S	3	bc	57	92	54	7	2	4	–	2-3	4-6	2500	0	3
7	Holyhead (Valley)	22·0	+6	SSE	2	c-bc	54	92	51	8	–	7	–	0	7-8	–	1	3
	Chester (Sealand)	22·7	+6	SE	1	m	49	92	47	4	5	7	9	2-3	9+	4000	0	*
8	Manchester ...	23·4	+12	S	3	m	50	97	49	4	–	7	–	0	9	–	1	*
10	Spurn Head ...	24·5	+8	SSW	3	Zo	50	92	47	6	7	7	2	2-3	9+	2500	0	3
	Catterick (Sc.) ...	23·3	+14	S	1	rf	47	97	47	2	–	–	–	10	10	1150	1	*
	Tynemouth ...	22·9	+12	SSW	3	m	52	85	49	4	–	2	–	10	10	1400	0	2
11	St. Abbs Head	19·1	+12	SW	5	c	52	85	48	8	5	4	–	4-6	9	2500	0	4
	Leuchars ...	19·8	+10	WSW	2	c-bc	52	92	50	7	6	3	1	4-6	7-8	3000	1	*
12	Renfrew (Abbotsl.)	19·6	+10	SSE	1	dodo	53	97	52	5	–	2	–	9	10	1200	1	*
	Eskdalemuir ...	21·1	+10	SSW	4	dodo	50	97	49	3	–	2	–	10	10	1150	1	*
	Point of Ayre ...	20·9	+8	SW	2	f/r	54	92	52	8	6	–	–	4-6	10	1000	1	2
13A	Tiree	17·0	+6	S	4	dodo	55	97	55	7	5	–	–	10	10	2000	1	3
13B	Stornoway ...	14·8	+6	S	4	c	53	85	49	8	6	1	–	7-8	9	1500	1	2
15	Dalwhinnie ...	17·5	+14	SW	2	0	51	92	50	7	5	–	–	10	10	1500	1	*
	Aberdeen † ...	19·5	+14	SSW	1	Zo	48	97	46	6	5	7	1	2-3	2-3	2500	1	1
	Wick ...	19·6	+14	–	0	b	47	97	46	9	–	–	1	0	Tr	–	0	*
16	Sumburgh ..	17·5	+20	SSW	3	bc	52	97	52	8	5	4	5	Tr	4-6	1000	1	3
17	Blacksod Point	14·2	–2	S'E	3	dodo	55	97	54	8	6	2	–	4-6	10	1500	1	3
18	Malin Head ...	16·5	+4	W	1	i/c	54	85	50	8	5	–	–	9+	9+	1500	1	2
	Aldergrove ...	19·1	+2	SSE	1	c	52	85	49	8	5	7	–	4-6	9	2500	1	*
19	Birr Castle ...	16·8	–2	SW	3	c	54	92	52	8	8	2	–	7-8	9	1500	1	*
20	Valentia Obsy.	15·2	+2	S	4	dodo	57	97	56	5	5	–	–	10	10	500	1	4
	Roches Point	18·0	–2	S'W	5	c/d	56	97	55	7	5	–	–	10	10	800	1	*

PAST 24 HOURS

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 8th 18h. (38)
1	London (Kew)	60	39	31	Tr	Tr	4·8
	Croydon ...	63	39	35	–	–	7·8
	S. Farnborough	64	37	29	–	–	6·0
	Boscombe Down	62	44	41	–	–	6·0
	Thorney Island	64	40	*	–	–	*
	Lympne ..	*	48	42	–	–	8·1
	Manston ...	59	49	42	–	–	9·7
2	Shoeburyness ...	60	42	37	–		8·0
	Felixstowe ...	62	44	36	–		8·1
	Gorleston ...	59	43	32	–	–	4·3
	Mildenhall ...	66	35	33	–	Tr	7·6
	Cranwell ...	59	41	35	–	–	6·9
3	Birmingham ...	59	48	34	–	–	3·9
	Upper Heyford	61	45		–	–	*
4	Ross-on-Wye	60	49	43	–	–	3·6
5	Hartland Point	58	54	52	–	–	1·6
	Bristol ...	62	48	41	–	–	6·9
	Portland Bill ...	59	53	*	–	–	*
	Plymouth ...	61	53	47	–	–	6·7
	The Lizard ...	61	53	*	–	–	3·5
	Scilly (St. Mary's)	59	53	*	–	0·6	0·8
	Guernsey ...						
6	Pembroke ...	56	51	*	–	Tr	0·0
7	Holyhead (Valley)	56	50	48	0·1	3	*
	Chester (Sealand)	58	49	39	–	Tr	1·7
8	Manchester ...	57	50	41	–	–	*
10	Spurn Head ...	59	48	*	–	Tr	5·6
	Catterick (Sc.) ...	52	47	39	–	0·1	0·0
	Tynemouth ...	53	51	48	–	–	*
11	St. Abbs Head	52	50	*	–	–	*
	Leuchars ...	53	50	47	–	–	0·0
12	Renfrew (Abbotsl.)	55	50	48	Tr	1	1·0
	Eskdalemuir ...	50	48	46	–	2	0·0
	Point of Ayre ...	57	52	*	–	0·2	0·1
13A	Tiree	53	51	47	9	0·3	0·0
13B	Stornoway ...	53	47	42	5	0·4	0·0
15	Dalwhinnie ...	51	42	36	1	0·6	0·0
	Aberdeen † ...	52	47	36	1	–	0·0
	Wick ...	54	47	36	3	0·2	*
16	Sumburgh ..	51	50	47	2	0·6	0·0
17	Blacksod Point	57	54	*	14	3	*
18	Malin Head ...	54	52		0·1	0·3	0·0
	Aldergrove ...	64	51	47	–	0·4	0·0
19	Birr Castle ...	55	53	51	1	1	0·0
20	Valentia Obsy.	55	55	54	11	11	0·0
	Roches Point	56	54		4	3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 8th October 18h. G.M.T. | 01h. G.M.T. 9th October 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-	62658	47668	5-	05558	48668	5-	01753	17263	57	04652	18148
115	52	62734	20368	82	10745	53628	23	02844	20486	27	02944	20326
203	6-	61738	16628									
206	51	02965	18567	57	02895	22688	50	01863	20413	50	04851	26202
210	57	02874	16467	52	02865	18428	53	02865	20316	13	01962	18303
219	62	64-35	15868	62	21723	20464	50	01862	18812	5-	51738	15308
230	57	02864	16268	62	52537	18268	5-	51748	20368	52	21746	00058
245	02	05690	18428	57	05652	51567	50	05653	18313	59	05644	18216
260	57	05546	16428	57	05653	20426	5-	22656	18366	57	02745	20226
278												
279	52	05665	17328	57	05665	17427	52	02755	18598	67	62735	18368
285	27	02744	18527							22	63624	22268
288	11	02761	16427	57	05662	18428	07	05590	17425	07	05590	18326
575	57	02834	51567	72	62736	53368	62	05685	16228	62	02834	15224
301	07	05690	14527	07	05490	15127	02	05590	16368	62	62546	00067
321	04	02790	14347	07	05690	14227	04	05590	16213	07	47390	16125
290	47	01754	22214	54	01753	14414	50	01758	22413	5-	05647	22327
292	5-	05647	14247	07	05550	14228	57	08464	00028	57	08463	12147
310				--	01634	20414						
614	1-	05655	15227	57	05553	18128	00	08490	00010	03	47390	28145

13h. G.M.T. 8th October 18h. G.M.T. | 01h. G.M.T. 9th October 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	52	05664	16528	17	61754	17268	52	62644	16268	07	05690	15264
334	--	03646	26228							--	02544	00015
340				07	05690	16228	07	05590	16228	53	08434	16328
336	20	01964	16114	00	01890	13314	04	01790	16213	00	04790	18104
336	13	02784	16228	57	05644	16228				57	05544	14328
350				04	02790	13125	00	08490	16110	04	09690	14115
368	00	05690	12318				51	05664	00027	53	05664	12126
379	10	02654	14327	10	05661	22228	4-	05661	14221	53	05664	14126
390	80	01764	12214	00	05690	12224	00	05590	00010	04	43390	00044
382	27	02754	14315	47	17764	00026	00	05530	00020	03	41530	00044
438	10	01763	06313	54	01763	04x13	50	01763	32213	54	05663	32314
430	20	01854	10414				00	05690	04114	03	01790	31114
409	57	02754	14328	07	05630	16128	07	05690	12224			

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 9th October
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,bfcw	bc2o cmw	ofay	(Kew 24 hours ended 7h. mon Max. Time
Croydon ...	bmbczy	bcybcm	bcmwcmy	
Greenwich ...	b	b ⊜yb	bbcbc	
Camden Square	o	bc	*	0·5 20-22h
Kensington ..	bc	bc	*	Min. Time 18h
Hampstead ...				To-1 12-16h 8th

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs	Humidity 15h %	Humidity 9h %
						Yesterday		To-day
Kew	60	39	31	Tr	Tr	4·8	*	*
Croydon ...	63	39	35	–	–	7·8	*	*
Greenwich ...	63	40	29	–	–	7·9	53	90
Westminster ...	64	50	38	–			65	99
Regents Park ...								
Camden Square	65	42	34	–	–	*	*	95
Kensington ...	64	43	35	–	Tr			99
Hampstead ...							*	

SECRET

Page 1

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

BRITISH SECTION

Sunday 10th October, 1943 — No. 2507.

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

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)	24·3	-12	SE	2	z_o	61	65	48	6	8	–	–	4-6	4-6	4000
	Croydon ...	25·2	-4	E	2	c-bc	61	65	50	6	5	–	4	7-8	7-8	3000
	S. Farnborough	24·3	-14	ESE	3	bc	63	65	52	6	7	–	8	4-6	4-6	3000
	Boscombe Down	24·0	-10	SE'S	1	b	62	65	48	7	–	–	8	0	1	–
	Thorney Island	24·2	-10	ESE	2	bc	61	65	51	8	1	–	1	4-6	4-6	2500
	Lympne ...	24·7	-6	E'N	2	z_o	62	65	52	5	5	–	–	Tr	9	3000
	Manston ...	24·6	-4	NE	1	z_o	61	75	54	6	5	–	–	7-8	7-8	2000
2	Shoeburyness ...	25·5	-6	ENE	2	z_o	61	75	54	6	5	3	1	2-3	4-6	4000
	Felixstowe ...	25·1	-4	NE	3	z_o	61	73	52	6	5	–	1	7-8	7-8	2500
	Gorleston ...	24·5	-6	NE	2	z_o	57	85	53	6	5	–	–	10	10	1600
	Mildenhall ...	25·0	-10	SE'E	2	bc	64	65	50	8	1	–	2	4-6	4-6	4000
	Cranwell ...	24·6	-6	SSE	2	z_o	62	65	49	6	2	3	–	4-6	4-6	3000
3	Birmingham ...	26·0	-6	SSE	3	b-bc	64	59	48	7	7	3	–	2-3	2-3	2500
	Upper Heyford	24·3	-10	SE	2	b	63	55	46	7	1	–	–	1	1	3500
4	Ross-on-Wye	24·3	-6	S	3	c	64	55	49	7	1	–	–	9	9	3000
5	Hartland Point	21·8	-8	S	3	bc	61	85	54	7	2	6	–	2-3	4-6	2500
	Bristol ...	23·7	-10	SSE	2	bc	63	55	45	8	1	4	–	4-6	4-6	3000
	Portland Bill ...	23·5	-12	SE	3	bc	62	92	60	8	1	–	–	4-6	4-6	4000
	Plymouth ...	23·0	-6	SSE	3	c-bc	61	75	54	7	5	7	–	7-8	7-8	2000
	The Lizard ...	22·6	-4	S'E	2	m	58	85	54	4	5	–	–	10	10	1000
	Scilly (St. Mary's)	21·4	-6	S'E	4	z_o	62	85	57	6	8	4	–	4-6	4-6	1000
	Guernsey ...															
6	Pembroke ...	22·0	-6	S'W	3	z_o	59	92	57	7	5	–	–	7-8	10	2500
7	Holyhead (Valley)	22·0	-6	S'E	4	b-bc	61	85	55	7	2	3	–	1	2-3	2500
	Chester (Sealand)	22·7	-8	SSE	2	z_o	62	75	54	6	2	6	–	2-3	9+	2500
8	Manchester ...	23·3	-6	S	3	z_o	62	65	50	6	1	8	5	1	2-3	3000
10	Spurn Head ...	15·(	-4	SE	3	z_o	58	85	52	6	2	3	–	2-3	4-6	2500
	Catterick (Sc)...	23·3	-14	SSE	1	m	59	85	55	4	5	3	–	7-8	9	1100
	Tynemouth ...	23·9	+2	SW	4	c-bc	58	85	52	7	2	3	–	4-6	7-8	2400
11	St. Abbs Head	21·2	0	SSW	4	ir_o	54	92	51	7	5	7	–	7-8	9+	2000
	Leuchars ...	21·3	0	SSW	2	c	57	85	53	8	5	2	–	9+	10	1800
12	Renfrew (Abbotsl.)	20·6	0	S'E	2	z_o	58	75	51	6	5	–	–	9	9	1400
	Eskdalemuir ...	22·2	-2	SSW	4	ir_o	52	92	50	6	5	–	–	10	10	900
	Point of Ayre...	21·8	0	SSW	4	c-bc	61	76	53	8	5	–	–	7-8	7-8	1600
13A	Tiree	17·4	-2	SSE	4	ir_o	56	97	55	7	5	–	–	10	10	1800
13B	Stornoway ...	15·7	-2	SSW	5	c-bc	59	85	54	8	5	7	–	4-6	7-8	1200
15	Dalwhinnie ...	19·0	+6	S	4	c	55	85	51	7	5	4	–	7-8	9	1500
	Aberdeen ...	20·7	+2	SSW	4	c	55	92	53	7	5	3	–	9+	9+	1500
	Wick ...	18·3	0	S'E	2	b	59	85	54	8	1	4	1	Tr	1	2500
16	Sumburgh ...	13·4	+2	SSE	3	b	55	92	53	8	5	–	1	Tr	Tr	700
17	Blacksod Point	13·8	-4	S	6	o/d	58	92	56	7	6	–	–	10	10	1500
18	Malin Head ...	16·9	-6	S'E	4	c-bc	59	85	54	8	8	–	–	7-8	7-8	1500
	Aldergrove ...	9·2	-6	S	4	c	53	85	52	8	5	–	–	9	9+	2000
19	Birr Castle ...	17·4	-2	SW	3	c	59	85	54	8	5	1	–	7-8	10	2500
20	Valentia Obsy.	15·3	-6	S'E	5	d-d	58	97	57	6	5	–	–	10	10	500
	Roches Point	10·6	-2	S	4	c	57	92	55	8	5	–	–	9+	9+	800

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

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)
23·9	-2	ESE	1	b-bc/fr	53	85	49	3	–	–	4	0	2-3	–	1	*
24·3	-2	E	1	bf+	54	85	51	3	5	–	1	Tr	1	2000	0	*
23·7	-2	E	2	z_o	56	75	48	5	7	–	8	2-3	2-3	3000	0	*
23·2	-2	SE	1	b	55	75	48	7	–	4	1	0	1	–	0	*
22·3	-14	SSW	1	z_o	56	85	50	6	–	–	2	0	Tr	–	0	*
24·5	+2	NE	3	m	54	97	53	4	–	–	1	0	Tr	–	0	*
24·2	0	NE	1	m	54	97	53	4	–	–	1	0	1	–	0	*
24·6	0	ENE	2	z_o	53	92	50	5	–	–	1	0	2-3	–	0	*
24·7	0	ENE	2	z_o	57	85	53	5	5	–	–	10	10	1300	0	1
24·6	+2	NE'E	1	z_o	57	92	56	6	5	–	–	10	10	1800	0	2
24·5	-2	ESE	2	c	57	85	53	8	5	7	–	4-6	9	2000	0	*
24·4	+2	ESE	1	z_o	50	92	47	6	–	4	–	0	2-3	–	0	*
23·3	-6	SE	2	z_o	59	55	43	6	–	4	–	0	2-3	–	1	*
23·6	-2	–	0	z_o	56	75	48	5	–	–	–	0	0	–	0	*
22·8	-6	SSE	1	z_o	56	75	48	6	5	4	–	1	1	3000	1	*
21·1	0/	SSE	3	bc	57	92	54	7	5	4	4	2-3	4-6	2000	0	3
23·8	-10	–	0	b	55	75	48	6	–	4	–	0	1	–	0	*
22·6	-6	ESE	3	bc	59	92	57	8	5	–	–	4-6	4-6	4000	1	3
22·2	-6	SSE	1	z_o	56	92	53	6	5	–	–	4-6	4-6	2000	0	1
21·9	-6	SE	2	c	55	97	54	7	5	–	–	10	10	1000	0	3
20·6	-6	SSE	3	c	57	92	55	7	5	4	3	7-8	9+	1200	1	3
21·0	-4	SW	4	bc	58	92	56	7	8	4	1	4-6	4-6	2500	0	3
21·2	-8	S'E	3	c	58	85	53	7	–	7	–	0	9+	–	1	1
22·0	-6	SSE	1	bc	57	85	53	7	5	3	–	2-3	4-6	3500	0	*
22·6	-2	SSE	2	z_o	57	75	48	4	–	3	–	0	3	–	1	*
23·1	0	SE	3	bc	54	92	51	8	7	3	–	2-3	4-6	2500	0	3
23·6	+2	–	0	of+	55	97	54	3	6	–	–	9+	9+	1000	1	*
23·8	0	SW	2	m	58	85	52	4	8	–	–	9+	9+	2400	1	2
21·2	+2	S	2	c/d	53	85	49	8	5	–	–	9+	9+	2000	1	3
21·2	-2	–	0	c	55	92	53	7	5	2	–	4-6	9	6000	0	*
21·2	-4	SE	1	z_o	56	85	51	4	5	7	–	4-6	9	2500	1	*
20·4	-4	SE	1	z_o	56	85	51	4	5	7	–	4-6	9	2500	1	*
21·5	0	–	0	c	52	85	49	6	5	2	–	7-8	9+	1500	1	*
21·8	0	SSW	4	c	57	85	51	8	6	4	–	4-6	9	1000	0	2
16·1	-2	SE	5	s/r	56	97	55	5	5	7	–	9	9+	1200	1	3
14·7	-6	SSW	5	d-d	55	92	54	6	5	2	–	7-8	10	800	1	3
18·8	-2	S	4	c-bc	51	85	47	7	5	–	–	7-8	7-8	1500	0	*
20·6	-4	S	2	c	55	92	52	7	5	3	–	7-8	9+	2500	1	*
18·3	+6	E	2	c-bc	56	92	54	8	5	7	–	7-8	7-8	4000	0	*
13·5	+2	SSE	3	c	52	97	52	8	5	–	–	9+	9+	600	0	2
13·5	-4	SSW	3	id-o	57	97	56	7	6	–	–	9+	9+	1500	1	3
15·2	0	S'E	5	c	58	75	50	8	8	–	–	9	9	1500	1	4
18·5	-6	S	8	z_o	56	92	52	7	5	7	–	4-6	9+	2000	1	*
16·3	-6	SSW	3	id	57	85	52	7	5	–	–	10	10	1500	1	*
15·1	0	S'E	4	d-d	56	97	55	6	6	–	–	10	10	460	1	3
16·9	-8	S	6	s/r	56	97	55	7	5	–	–	10	10	800	1	4

PAST 24 HOURS. WEATHER.

7h.–13h. 9th (39)	13h.–18h. 9th (40)	18h. 9th to 1h. 10th (41)	1h.–7h. 10th (42)
ofe bcm$_o$ w bcz$_o$ bfw	bcz$_o$ cz$_o$	bbc ffw	bcffom w
bcz$_o$ cz$_o$	cbc z$_o$ bf	cf	cfofw
ofe bfm$_o$ bcz$_o$ bcz$_o$ bcbm$_o$	bcz$_o$ bcbm$_o$	cmbfof	ofeff
bcbcm$_o$ bcb bbyb	bbyb	bbm$_o$ cm$_o$	cm bcm$_o$ cm
bbc	bcb m$_o$	ccm$_o$	cm$_o$ bcmbmf
cm$_o$ fg cmcm	cm$_o$ bcm$_o$ bcm$_o$	bbcmf bff	bmw bmbofd
cm$_o$	bcm$_o$	bfe	bfefe
cm$_o$ w bcz$_o$	bcz$_o$ m$_o$	cmf	of
cm$_o$	bccm$_o$	bmwcbm	bmbmw
cz$_o$	cz$_o$	cbczw	bczw
bc m$_o$ by	c	cbfof	ofw
bcm$_o$	bbcm$_o$	bcmbf	fcfc
cbc	bcz	bcm	bccm
bcmjfw bcm	by by z$_o$	bm$_o$ bf	off
cz$_o$ c	cfccbc	bm$_o$	bmwbcf
cbc	bc	bcb	b
cbcm$_o$ bz$_o$ b	bcy cy bcb	mbcm$_o$ wcm$_o$	bcm$_o$ bcf
bc	bcbc	bcc	c
cbc	cbc	bjf	bcmmw
bcom	omoc	czifmz	cmff
cm$_o$ br	bcc	FFcc	cffcc
cm$_o$	cbc	c	cm$_o$
b, cbcz$_o$	bbcc	c	b, c
cmm$_o$	cm$_o$ bc	bcm m	cbbcm
c, bbcz$_o$	bcez$_o$	cbcew	bm cmw
bcz$_o$	bc	Fe	fe
ofcm	cmcf	cfcm	offf
air$_o$ mbcc	cm$_o$	cmcm$_o$	bm$_o$ om
ccr$_o$	cir cc id c	cbcc	cm$_o$
cm$_o$ cdc	cc	cbcmcm	cwm$_o$
cd$_o$ d$_o$ cm$_o$ c	cm$_o$ cz	bccir m$_o$	cm$_o$ fcm$_o$
cd$_o$ fr$_o$ ir	cirbc	cm$_o$	cbcm$_o$
c	cw	c	cbbcc
cd$_o$ m$_o$ bcc	cc ir m$_o$	cm$_o$ c	ccdm$_o$
ccid$_o$ m$_o$ c	cid$_o$ cd m$_o$	cd$_o$ m$_o$ ic id	cd$_o$ m dd
oc	c	–	coc
bccwmc	c	c*	cz$_o$
b, cbcb	bbcc	cbcc	cbcam$_o$
	b, c	rain m$_o$	cir$_o$ jf m$_o$
d	d	g	r
r	c	r	d
c	ccm$_o$	c	cbcem$_o$
c	d	•	d
d	d	r	d
d	r	r	r

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

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

Night variable or southeasterly winds, mainly fine this afternoon with local mist or fog; rather general fog tonight and tomorrow morning; rather warm this afternoon; moderate night temperature.

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

Night or moderate southerly winds; fair, but local drizzle in Irish Sea area later. Local fog on South coast and later in Irish Sea area; rather warm.

9	N. Midlands ...
10	N.E. England

As 0-4.

11	S.E. Scotland

Night southerly winds; fair; rather warm.

12	S.W. Scotland & Isle of Man
13A	W. Scotland ...
13B	N.W. Scotland
14	Mid Scotland
15	N.E. Scotland

Fresh or strong southerly winds, veering temporarily to southwest in the West, cloudy in the West with rain or drizzle at times and much hill fog; partly cloudy in the East with some drizzle later in the Northeast; rather warm.

16	Orkneys and Shetlands

As 12-15

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

Moderate or fresh southerly winds, strong locally, veering temporarily and decreasing; cloudy with occasional rain or drizzle and some hill fog; rather warm.

GENERAL INFERENCE

Pressure is low to the west and northwest of the British Isles and high to the east and southeast. A trough of low pressure will move east across western and northern districts of the British Isles. Weather will be cloudy in the West and North; with some rain or drizzle and hill fog. Fog will be rather general tonight in England.

FURTHER OUTLOOK

Cloudy in the West and North with occasional rain or drizzle. Rather general fog at night over England.

Forecasts issued at 1030

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

7h. Sunday 10th October 1943.

LOW

HIGH

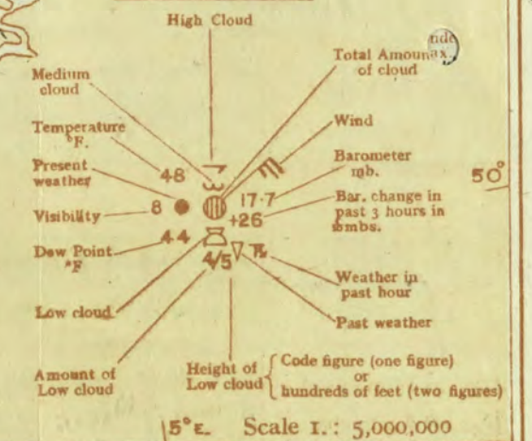
1002 1004 1006 1008 1010 1012 1014 1016 1018 1020 1022 1024 1026 1028

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



Scale 1.: 5,000,000

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

Ps. 523/4558. We. 8031. D. 1545. Gp. 340/2. 7440. 10/43.

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 10th October

1943.

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. K Slight haze. ∞

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

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

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

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

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

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

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

Sunday 10th October 1943 — No. 2990

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

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. (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	24·0	-4	-	0	of	52	97	52	2	5	-	-	10	10	2000
	S. Farnborough	226	23·3	-6	-	0	F+	45	97	45	1	-	-	-	10	10	<150
	Boscombe Down	417	22·9	-6	-	0	m	51	92	49	6	5	-	-	10	10	2200
	Thorney Island	10	22·5	-8	-	0	m	54	92	52	6	5	-	-	10	10	2100
	Lympne ...	283	23·3	-4	E	3	m	52	97	52	4	-	-	-	0	0	-
	Manston ...	154	23·5	-6	SE'E	2	dd	56	92	54	3	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	23·8	-6	ENE	3	m	58	97	56	4	-	-	-	0	0	-
	Gorleston ...	5	24·1	-2	SE	2	m	57	92	55	6	5	-	-	4-6	4-6	2500
	Mildenhall ...	15	23·9	-2	SE'E	2	F+	53	97	53	2	-	-	-	10	10	<150
	Cranwell ...	203	23·9	-6	-	0	F+	44	97	44	1	-	-	-	10	10	<150
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	23·6	-2	-	0	F+	48	97	47	1	-	-	-	10	10	<150
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·9	-6	SSE	2	b	49	97	49	7	-	4	-	0	1	-
	Bristol ...	209	23·0	-4	SSW	1	m	45	97	45	6	5	7	-	9	10	2500
	Portland Bill ...	32	21·6	-12	ESE	2	c	59	92	57	8	5	-	-	10	10	4000
	Plymouth ...	86	21·8	-6	SSE	2	m	51	97	51	4	-	-	2	0	2-3	-
	The Lizard ...	240	21·1	0	SSE	3	m	55	97	55	5	5	-	-	9+	9+	800
	Scilly (St. Mary's)	163	20·4	-4	SSE	4	f	53	97	52	5	5	-	-	10	10	800
	Guernsey ...	175															
6	Pembroke ...	142	20·2	-12	SW	5	c	57	92	55	8	8	-	-	9+	9+	2500
7	Holyhead (Valley)	32	20·7	-6	SSE	5	bc	56	85	51	7	-	3	-	0	4-6	-
	Chester (Sealand)	16	22·3	-2	SSE	1	m	47	92	45	4	-	4	2	0	7-8	-
8	Manchester ...	230	22·7	+2	SE'S	3	m	51	75	44	6	-	1	1	0	2-3	-
10	Spurn Head ...	29	24·4	-8	S	2	F+	50	97	49	0	-	-	-	10	10	<150
	Catterick (Sc.)...	192	23·7	-2	SE	1	m	49	97	49	4	5	-	-	10	10	3500
	Tynemouth ...	108	23·6	0	SW	3	m	55	75	48	6	8	-	-	9+	9+	2500
11	St. Abbs Head	280	21·0	-4	S	2	m	53	85	50	6	5	2	-	7-8	10	1500
	Leuchars ...	36	20·7	-6	-	0	m	52	92	49	6	5	7	-	4-6	9+	2000
12	Renfrew (Abbotsl.)	19	19·0	-12	ESE	2	c-bc/r	56	85	52	4	5	-	-	7-8	7-8	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	20·8	-10	SW	4	c	59	75	50	8	6	2	-	9	10	1000
13A	Tiree	44	21·1	-4	SSE	5	c	56	92	54	7	5	7	-	7-8	9+	2000
13B	Stornoway ...	12	19·8	-2	S	4	id	54	97	54	6	6	2	-	9+	10	900
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	20·2	-10	S	3	c-bc	53	92	49	7	5	-	-	7-8	7-8	3600
	Wick ...	114	17·3	-6	SSW	3	c-bc	53	97	53	8	5	3	-	4-6	7-8	2500
16	Sumburgh ..	19	18·6	-2	S	5	id	53	97	52	5	5	-	-	10	10	200
17	Blacksod Point	18	12·0	-14	SW	1	c	56	92	54	8	6	-	-	9+	9+	1500
18	Malin Head ...	84	14·2	-4	S	5	ir	56	85	54	8	5	-	-	9+	9+	1500
	Aldergrove ...	268	17·6	-6	SSE	2	c-bc	56	85	51	7	5	-	-	7-8	7-8	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13·6	-10	S	4	r/r	55	97	55	8	5	-	-	9	9	1500
	Roches Point	22	15·8	-12	S'E	6	Dr	56	97	56	5	5	-	-	10	10	450

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

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. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	22·4	-2	S'E	2	m	54	97	53	4	5	-	-	10	10	1500	1	*
	Croydon ...	22·9	0	SE	1	of	54	97	54	3	5	-	-	10	10	500	1	*
	S. Farnborough	22·0	-6	NW'W	1	F+	50	97	49	0	-	-	-	10	10	<150	0	*
	Boscombe Down	21·9	+2	E	1	m	51	97	51	4	5	-	-	10	10	100	0	*
	Thorney Island	21·4	-2	S'E	1	f	52	97	52	2	-	-	-	10	10	<150	1	*
	Lympne ...	22·8	+2	SSW	1	dF	54	97	54	1	5	-	-	10	10	<150	1	*
	Manston ...	22·6	+2	-	0	F+	47	97	47	0	-	-	-	10	10	<150	1	*
2	Shoeburyness ...	22·7	+2	-	0	f	54	97	54	3	-	-	-	10	10	<150	0	*
	Felixstowe ...	22·9	-2	ESE	3	m	55	92	52	5	-	-	2	0	1	-	0	2
	Gorleston ...	23·1	-4	SE'E	2	m	56	97	56	5	-	-	-	0	0	-	1	2
	Mildenhall ...	22·4	-2	SE'E	1	m	52	97	52	0	-	-	-	10	10	<150	0	*
	Cranwell ...	22·7	+2	-	0	of	47	97	47	3	5	-	-	10	10	2500	1	*
3	Birmingham ...	22·2	-2	SE	1	m	48	97	47	4	5	-	-	9+	9+	1500	1	*
	Upper Heyford	22·4	-8	-	0	f	48	97	47	3	-	-	-	10	10	<150	1	*
4	Ross-on-Wye	21·7	0	SSE	1	if	43	97	42	2	5	-	-	4-6	4-6	3000	1	*
5	Hartland Point	19·0	-2	SE	3	b	51	97	50	7	-	4	-	0	1	-	0	3
	Bristol ...	22·1	-2	-	0	bbcf	43	97	42	3	5	-	-	2-3	2-3	2500	0	*
	Portland Bill ...	20·9	-4	SE	2	c-bc	58	97	56	8	5	-	-	7-8	7-8	4000	1	3
	Plymouth ...	20·9	-2	ESE	1	m	48	97	47	6	-	3	1	0	2-3	-	1	1
	The Lizard ...	20·2	0	-	0	of	56	97	56	2	5	-	-	10	10	400	0	3
	Scilly (St. Mary's)	19·3	+2	S'E	3	f	53	97	53	5	5	-	-	10	10	300	1	3
6	Pembroke ...	19·1	0	S'E	4	m	57	92	54	7	8	-	-	7-8	7-8	2500	0	3
7	Holyhead (Valley)	19·6	+2	S'E	4	c-bc	55	85	50	8	8	7	-	2-3	7-8	2000	1	2
	Chester (Sealand)	20·8	0	-	0	m	45	92	43	4	-	3	2	0	9	-	0	*
8	Manchester ...	21·6	+1	SE	2	m	48	97	47	5	5	4	-	7-8	9	3000	1	*
10	Spurn Head ...	23·1	-6	SE'S	2	m	53	97	52	4	-	-	-	10	10	<150	1	2
	Catterick (Sc.)...	23·1	+2	SE	1	F	44	97	44	0	-	-	-	10	10	<150	1	*
	Tynemouth ...	22·9	0	S	3	m	48	92	44	1	5	-	-	10	10	1700	0	2
11	St. Abbs Head	19·8	+6	E	1	m	51	92	49	6	5	4	-	4-6	9	2000	0	2
	Leuchars ...	19·4	+2	-	0	m	52	85	49	6	5	7	-	1	7-8	6000	1	*
12	Renfrew (Abbotsl.)	18·0	0	E'S	2	m	55	85	51	6	5	7	-	4-6	9	2000	1	*
	Eskdalemuir ...	20·5	0	S'W	3	c-bc	47	85	44	6	-	7	2	0	7-8	-	1	*
	Point of Ayre...	18·7	0	SW'S	4	c	56	85	50	7	8	-	-	9	9	1500	0	3
13A	Tiree	13·6	-4	SSE	5	dd	54	97	54	5	6	2	-	10	10	300	1	*
13B	Stornoway ...	12·5	-2	S	6	dd	54	97	54	5	6	2	-	9+	10	400	1	4
15	Dalwhinnie ...	17·0	-12	S	4	c-bc	53	85	47	7	5	7	-	4-6	7-8	1500	1	0
	Aberdeen † ...	19·2	-4	S	3	m	53	92	51	6	5	3	6	4-6	9+	2500	1	2
	Wick ...	16·4	-2	S'E	5	m	54	92	52	6	5	7	-	4-6	9+	2500	1	*
16	Sumburgh ..	17·5	+2	S'E	5	m	53	97	52	6	5	3	-	7-8	9+	5000	1	3
17	Blacksod Point	10·8	+2	S'W	6	id	56	85	51	7	6	2	-	4-6	10	1500	1	5
18	Malin Head ...	12·8	-2	S'E	4	c	55	85	50	8	5	-	-	9+	9+	1500	1	3
	Aldergrove ...	13·6	-2	SSW	2	c	58	92	56	7	6	2	-	7-8	10	800	1	*
19	Birr Castle ...	15·9	-4	SE	4	c	56	85	51	7	5	-	-	10	10	3000	1	*
20	Valentia Obsy.	13·3	+4	S	4	r/r	56	97	55	5	5	-	-	10	10	500	1	3
	Roches Point	15·2	0	S	5	dd	56	97	55	5	5	-	-	10	10	450	1	5

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 9th Hrs. (38)
1	London (Kew)	61	51	36	-	-	5·1
	Croydon ...	62	52	46	-	-	5·4
	S. Farnborough	64	45	35	-	-	7·2
	Boscombe Down	64	47	41	-	-	8·9
	Thorney Island	65	46	40	-	Tr	*
	Lympne ...	*	51	44	-	0·1	4·4
	Manston ...	61	46	44	-	Tr	2·6
2	Shoeburyness ...	61	46	43	-	-	3·5
	Felixstowe ...	61	54	45	-	-	2·9
	Gorleston ...	59	54	46	-	-	2·3
	Mildenhall ...	65	44	39	-	Tr	4·9
	Cranwell ...	63	40	31	-	-	*
3	Birmingham ...	64	46	32	-	-	5·7
	Upper Heyford	64	46	38	-	-	*
4	Ross-on-Wye	64	41	33	-	-	2·3
5	Hartland Point	64	49	45	-	-	5·6
	Bristol ...	65	41	31	-	-	7·7
	Portland Bill ...	62	56	*	-	-	*
	Plymouth ...	68	47	39	-	-	6·5
	The Lizard ...	60	53	*	-	-	3·5
	Scilly (St. Mary's)	63	51	*	-	-	4·5
6	Pembroke ...	60	55	*	-	-	3·5
7	Holyhead (Valley)	62	53	50	-	-	*
	Chester (Sealand)	62	44	37	-	-	2·6
8	Manchester ...	63	47	42	-	-	*
10	Spurn Head ...	61	48	*	-	0·1	6·9
	Catterick (Sc.)...	59	44	41	1	Tr	2·2
	Tynemouth ...	60	48	46	0·2	-	*
11	St. Abbs Head	54	50	*	0·6	-	*
	Leuchars ...	61	50	41	-	-	0·5
12	Renfrew (Abbotsl.)	59	53	46	Tr	0·2	3·0
	Eskdalemuir ...	56	45	40	2	-	0·9
	Point of Ayre...	61	55	*	-	-	2·2
13A	Tiree	58	54	53	0·2	4	0·0
13B	Stornoway ...	60	53	53	Tr	4	1·0
15	Dalwhinnie ...	57	50	46	-	-	2·2
	Aberdeen † ...	58	52	48	-	-	2·1
	Wick ...	59	53	49	-	0·1	*
16	Sumburgh ..	53	52	50	-	0·1	7·9
17	Blacksod Point	58	54	*	1	3	*
18	Malin Head ...	60	54		0·6	0·2	1·1
	Aldergrove ...	61	55	54	-	1	0·1
19	Birr Castle ...	59	55	52	Tr	-	2·5
20	Valentia Obsy.	58	55	49	2	0·2	0·0
	Roches Point	58	56	-	4	4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 9th October 18h. G.M.T. — 01h. G.M.T. 10th October 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	10	00842	14404	57	02755	15416	53	02664	48463	57	22655	48466
115	23	02954	16268	57	02954	16126	22	02854	16726	55	02844	20227
203	50	01554	20414									
206	16	02965	10215	43	01854	16324	53	02765	16126	53	02854	16315
210	14	00954	15114	53	05655	14127	53	01864	14224	57	02776	13267
219	5-	02846	16556	57	02735	14558	52	22746	15568	62	52636	16658
230	52	22946	14167	5-	27758	28168	52	02856	32258	52	61756	12168
245	52	02747	18258	57	05651	22127	03	05590	18325	03	05590	16228
260	5-	05665	18225	50	08444	16214	53	05645	12228	57	05571	08124
276												
279	57	22852	12267	53	05665	14115	57	05563	14228	57	05644	14324
285	57	02745	04227							--	44109	08349
288	03	05590	17314	52	05664	14328	57	05665	15226	--	48109	17249
575	57	02845	14528	57	02855	15226	02	52638	14358	52	21736	14358
301	17	05651	15227	5-	05677	13327	04	05690	12424	00	08490	12415
321	13	05662	16344	53	05664	12224	00	45190	00040	--	48109	00049
299	53	05644	18316	54	01753	14314				5-	41428	24148
292	07	05590	12223	58	05562	14214	00	47390	00000	--	46109	00049
310												
614	84	05665	14216	02	08490	00011	00	47390	00043	--	44109	00049

13h. G.M.T. 9th October 18h. G.M.T. — 01h. G.M.T. 10th October 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	05663	12325	53	02764	14127	57	05653	14314	57	05646	12417
334				--	02753	26215						
340	73	02874	18425	03	05690	18224	04	45390	16201	07	47390	15244
136	70	00764	12215	5-	05667	10127	5-	47118	14148	--	46109	12249
336	53	01753	20345									
350	54	01762	14113	07	17690	12103	--	48009	00049	--	46009	09149
368	03	01750	00013	50	05663	16214	00	05690	14102	--	48209	09149
379	15	05751	14311	04	05690	14102	5-	08435	16105	5-	43254	08154
390	7-	05667	12117	00	05590	10124	--	46008	00049	--	48009	00049
382	00	05690	11210	03	05690	00011	5-	45254	00044	5-	41438	00048
438				52	05546	06128	--	48109	06229	5-	05425	14245
430	10	02755	12116	00	05690	00011	5-	05648	06128	00	45290	00040
409	53	02645	15427	54	02745	14426	03	05690	14316	53	05644	13415

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 10th October,
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 ...	oFbcmzw	bcz bfw	bbcffw	
Croydon ...	bcz cz	cbcz bf	cfofo	—
Greenwich ...	pbbcrrb	c	cbrbcfb	Kew 24 hours ended 7h.
Camden Square	o	c	*	Max. Time
Kensington ...	bc	bc	*	1·5 11h 9th
Hampstead ...				Min. Time
				0·1 13h 9th

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 ...	61	51	36	-	-	5·1	*	*
Croydon ...	62	52	46	-	-	5·4	*	*
Greenwich ...	63	52	40	-	Tr	6·2	66	92
Westminster ...	64	50	46	—			70	98
Regents Park ...								
Camden Square	63	49	41	—	-	*	*	97
Kensington ...	62	51	43	—	-		98	98
Hampstead ...							*	

SECRET

Page 1

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

Monday 11th October 1943 — No. 29908

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (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)	22·0	−6	N	1	m	61	75	52	4	5	1	–	2-3	10	4000
	Croydon ...	22·2	−12	–	0	m	63	75	54	4	5	–	–	9	9	1500
	S. Farnborough	21·7	−10	S'E	1	Z_o	62	75	55	6	5	–	–	9	9	2800
	Boscombe Down	21·5	−6	–	0	Z_o	62	75	54	6	5	–	–	4-6	4-6	1000
	Thorney Island	21·4	−4	SE	1	Z_o	63	75	56	5	5	–	–	9+	9+	1200
	Lympne ...	22·1	−10	E	2	m	62	85	55	4	–	–	–	0	0	–
	Manston ...	22·2	−6	N'E	1	ebcf+	57	85	54	3	5	–	–	7-8	7-8	500
2	Shoeburyness ...	22·4	−10	–	0	Z_o	59	85	55	5	–	–	–	0	0	–
	Felixstowe ...	22·4	−4	E'S	3	bf+	59	91	58	3	–	–	–	0	0	–
	Gorleston ...	22·7	−6	SE	3	f+	58	92	53	2	7	–	–	10	10	<150
	Mildenhall ...	22·2	−8	S'W	1	Z_o	66	75	57	5	–	–	–	0	0	–
	Cranwell ...	22·2	+6	S'E	1	f–	54	91	53	3	–	–	–	10	10	<150
3	Birmingham ...	21·4	−4	S	2	Z_o	61	65	49	6	1	–	–	4-6	4-6	2500
	Upper Heyford	22·3	−4	–	0	m	54	91	52	4	5	–	–	10	10	700
4	Ross-on-Wye	20·9	−12	SW	1	Z_o	64	65	51	6	1	–	–	2-3	2-3	3000
5	Hartland Point	19·9	0	S	1	bc	63	75	56	7	1	4	–	Tr	4-6	3000
	Bristol ...	21·3	−10	S	1	Z_o	64	65	51	6	4	–	–	4-6	4-6	2500
	Portland Bill ...	21·0	−6	SE	1	cbc	62	91	60	8	2	–	–	7-8	7-8	4000
	Plymouth ...	21·4	+4	SSE	2	b	65	65	53	7	1	–	–	1	1	3000
	The Lizard ...	20·9	0	E	3	m	60	91	58	4	5	–	–	7-8	7-8	1000
	Scilly (St. Mary's)	20·3	+6	S'E	3	f+	54	91	54	2	–	–	–	10	10	<150
	Guernsey ...															
6	Pembroke ...	20·1	+2	SE'S	4	c	57	91	55	7	5	–	–	9	9	2000
7	Holyhead (Valley)	19·7	0	S	5	c	60	75	53	7	5	7	–	4-6	9	4000
	Chester (Sealand)	20·3	−12	SSE	3	Z_o	62	65	51	6	–	–	6	0	7-8	–
8	Manchester ...	20·9	−6	S'W	3	Z_o	62	65	50	6	1	–	1	4-6	4-6	3000
10	Spurn Head ...	22·9	−4	SSE	3	Z_o	56	92	54	5	5	–	–	10	10	1500
	Catterick (Sc.) ...	22·9	−2	SSE	2	of	50	97	50	3	5	1	–	10	10	200
	Tynemouth ...	22·1	−6	SSW	3	m	57	75	47	4	2	3	1	4-6	4-6	2600
11	St. Abbs Head	18·7	−8	S	3	cbc	59	75	48	6	5	4	–	4-6	7-8	3500
	Leuchars ...	18·6	−8	SSE	2	Z_o	60	65	48	6	–	7	8	0	9+	–
12	Renfrew (Abbotsl.)	17·5	−6	S'E	3	c/d	58	85	52	5	5	2	–	7-8	10	1200
	Eskdalemuir ...	19·2	−6	S	4	c	56	75	48	7	5	–	–	9+	9+	2100
	Point of Ayre ...	18·4	−6	S'W	5	c	58	75	52	8	8	7	6	2-3	9+	1600
13A	Tiree	13·7	−2	SSE	5	dc	56	91	56	4	6	2	–	9	10	300
13B	Stornoway ...	12·1	−4	S	5	dcdc	55	87	55	6	5	2	–	7-8	10	600
15	Dalwhinnie ...	16·0	−2	S	4	c	58	85	47	6	5	–	–	9+	9+	1500
	Aberdeen ...	18·6	−6	S	3	Z_o	55	85	51	6	5	7	6	1	10	1500
	Wick ...	15·9	−4	SSE	4	c	57	85	54	7	–	7	6	0	9	–
16	Sumburgh ...	16·9	−2	SSE	5	c/r	54	92	52	7	5	7	–	Tr	8	500
17	Blacksod Point	15·5	+32	W	4	c/r	54	85	50	7	6	–	–	10	10	1500
18	Malin Head ...	13·0	+6	SSW	4	c	59	85	54	8	5	–	–	10	10	800
	Aldergrove ...	16·1	−2	SSE	4	id_o	57	92	55	7	5	–	–	10	10	1500
19	Birr Castle ...	14·8	+6	SSW	2	ir	59	97	58	7	6	2	–	7-8	10	800
20	Valentia Obsy.	17·9	+22	NNW	3	ir	53	92	51	6	5	2	–	4-6	10	1200
	Roches Point	16·6	+2	S	4	dc	57	97	56	5	5	–	–	10	10	450

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. 0–12 Force (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	21·5	+6	NNE	1	bf+	55	92	52	3	–	–	–	0	0	–	1	*
	Croydon ...	22·0	+2	–	0	f+	57	85	53	1	–	–	–	10	10	<150	0	*
	S. Farnborough	21·5	+10	–	0	bf+	55	97	53	3	–	–	–	0	0	–	0	*
	Boscombe Down	21·0	+2	–	0	Z_o	58	85	52	6	5	–	–	4-6	4-6	800	0	*
	Thorney Island	21·1	+2	–	0	Z_o	55	97	54	5	–	–	–	0	c	–	1	*
	Lympne ...	21·7	+8	NE'E	2	m	56	92	53	4	–	–	–	0	0	–	1	§2
	Manston ...	21·8	+6	NE	2	F+	55	97	54	1	–	–	–	10	10	<150	1	*
2	Shoeburyness ...	21·9	+6	NE	2	f+	55	97	55	1	–	–	–	10	10	<150		*
	Felixstowe ...	22·2	+6	NE	3	F	54	97	54	0	5	–	–	10	10	<150	0	1
	Gorleston ...	22·2	0	E'S	2	of	55	97	54	3	5	–	–	10	10	1500	1	3
	Mildenhall ...	21·5	+4	–	0	m	57	97	56	4	–	–	–	0	0	–	0	*
	Cranwell ...	21·6	−2	–	0	fg	50	85	47	4	5	–	–	7-8	7-8	1500	0	*
3	Birmingham ...	21·5	+2	SE	2	Z_o	56	85	51	5	–	–	–	0	0	–	1	*
	Upper Heyford	21·6	+2	–	0	m	53	92	51	4	–	–	–	0	0	–	0	*
4	Ross-on-Wye	21·0	−4	S'W	1	Z_o	57	85	53	4	–	–	–	0	0	–	1	*
5	Hartland Point	20·1	+4	WSW	2	bc	58	92	56	7	–	4	–	0	4-6	–	0	3
	Bristol ...	21·0	+14	–	0	Z_o	55	85	50	5	–	–	–	0	0	–	0	*
	Portland Bill ...	20·5	+6	E	1	c-bc	58	92	56	7	5	–	–	7-8	7-8	4000	1	3
	Plymouth ...	21·0	+8	SSE	2	Z_o	57	92	54	6	–	4	–	0	2-3	–	0	1
	The Lizard ...	21·0	+2	SSE	3	m	57	92	55	4	5	–	–	9	9+	1400	0	3
	Scilly (St. Mary's)	20·5	+6	S	2	f–	54	97	53	4	5	–	–	10	10	200	0	3
	Guernsey ...																	
6	Pembroke ...	19·7	+2	SW'W	3	c	56	97	56	6	5	–	–	9+	9+	800	0	3
7	Holyhead (Valley)	19·7	+2	S	4	Z_o	58	85	54	6	5	2	–	4-6	10	1500	1	1
	Chester (Sealand)	20·0	+2	SSE	1	Z_o	58	85	52	6	5	4	8	2-3	4-6	4500	0	*
8	Manchester ...	20·4	+2	SSE	3	Z_o	57	85	52	4	–	–	1	0	Tr	–	1	*
10	Spurn Head ...	22·3	0	SE	3	F+	53	92	51	0	–	–	–	10	10	<150	1	2
	Catterick (Sc.) ...	21·8	+4	SSE	2	ft	53	97	53	3	–	–	–	10	10	<150	0	*
	Tynemouth ...	21·6	+4	S	3	m	53	92	51	4	2	3	1	4-6	4-6	2600	0	2
11	St. Abbs Head	18·6	+12	SE	1	bc	53	92	51	5	5	–	–	4-6	4-6	3500	0	3
	Leuchars ...	18·5	+4	–	0	Z_o	58	85	52	6	5	1	–	4-6	10	7000	0	*
12	Renfrew (Abbotsl.)	17·4	−2	–	0	$d_o d_o$	55	97	54	4	5	–	–	7-8	10	800	1	*
	Eskdalemuir ...	19·3	−4	S'W	2	c	54	85	48	7	5	–	–	9+	9+	1900	1	*
	Point of Ayre ...	18·2	−4	SW'S	4	c/r	57	92	54	7	6	7	–	4-6	10	800	1	3
13A	Tiree	15·3	+14	SW'S	3	dr	55	97	55	5	6	2	–	9	10	500	1	3
13B	Stornoway ...	13·6	+14	SSW	4	id_o	55	97	53	6	5	2	–	9	10	700	2	3
15	Dalwhinnie ...	16·0	0	S	4	c	53	85	50	6	5	2	–	9	10	1500	1	*
	Aberdeen ...	18·7	+8	SSW	2	Z_o	54	92	52	6	5	7	7	2-3	10	1500	1	2
	Wick ...	16·2	+6	S	5	Z_o	55	92	53	6	5	7	6	2-3	10	4000	0	*
16	Sumburgh ...	17·0	−6	SE	5	c	52	97	51	5	5	7	–	1	9+	600	1	3
17	Blacksod Point	19·5	+24	NW	3	bc	52	85	48	8	8	–	–	4-6	4-6	2500	1	3
18	Malin Head ...	15·2	+18	SW	2	ir	54	97	53	7	5	–	–	10	10	800	1	3
	Aldergrove ...	16·5	+6	WSW	3	$r_o r_o$	56	92	54	6	6	2	–	9	10	800	1	*
19	Birr Castle ...	18·1	+22	S	1	c	52	92	50	7	6	2	–	4-6	10	800	1	*
20	Valentia Obsy.	21·2	+22	NW'N	4	b-bc	53	85	49	8	2	–	–	2-3	2-3	2300	1	4
	Roches Point	19·1	+22	NNW	4	$r_o r_o$	53	97	52	6	6	2	–	4-6	10	1500	1	4

PAST 24 HOURS.

District	Stations	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)	cm_o cmw	cmbcbfw	cfw	cfofe
	Croydon ...	ofcmbcz	of	ofe	ofe
	S. Farnborough	ofecf m_o	cm_obmof	zfofe	ofe
	Boscombe Down	omcmcm$_o$	bcm_o	bcmobfcfw	bfwpfe
	Thorney Island	bmcm_o	bm_ow	ofw	bfpfw
	Lympne ...	ofdoobcbm	bm	bmxfff	bfdoff
	Manston ...	offcm	bbcmzof	ofe	ofed_o
2	Shoeburyness ...	ofbm_o	bm_obffe	f	pfe
	Felixstowe ...	bmobf	bfe	ofe	pfe
	Gorleston ...	bezf	off	offw	pfw
	Mildenhall ...	ofcmbm	$bz_o bm_o$	bmof	ffw
	Cranwell ...	ofe	cm_ofg	bmbcfbff	f
3	Birmingham ...	embcz	bcbz	bm	bmbcf
	Upper Heyford	ofofofom	omcm$_o$bm$_o$	bfw	bfw
4	Ross-on-Wye	bfcmbcz	bz_o	bmff	ff
5	Hartland Point	bbc	bc		croc
	Bristol ...	cm$_o$wbcz$_o$	bez$_o$bm$_o$	bmcwbfwbofw	
	Portland Bill ...	c	c	c	co
	Plymouth ...	bcb	bcb	cmwbcm	cmw
	The Lizard ...	ffif	ifbcm	offf	omff
	Scilly (St. Mary's)	cifoff	off	acomdf	cdodoc
	Guernsey ...				
6	Pembroke ...	cbccm$_o$	cm_o	om$_o$ido	oidocbc
7	Holyhead (Valley)	cbcc	c	cifofrm$_o$	crofomoc
	Chester (Sealand)	cmm$_o$z$_o$		bmomfff	bccffdd
8	Manchester ...	cbc	bcm_o	bmw	ifododoff
10	Spurn Head ...	om_o	f	fe	fe
	Catterick (Sc.) ...	ofcf	ofcmof	of	of
	Tynemouth ...	obc	bcmm$_o$	bcom	orm
11	St. Abbs Head	bcm$_o$	bcm	bcm	bcmcrr
	Leuchars ...	cm$_o$	cm_o	cm$_o$ifoc	cmorrofo
12	Renfrew (Abbotsl.)	cmoidodom$_o$	cm$_o$d$_o$d$_o$m$_o$	cdodoidfom$_o$	cmofofrr
	Eskdalemuir ...	bcm$_o$c	cz_oc	cm_o	morrc
	Point of Ayre ...	c	cir	crRrrr	cprbc
13A	Tiree	cddm	$cdd m_o$	cir_o	rrmoir
13B	Stornoway ...	cddcdom$_o$	$cdd m_o$	cir_o	ccidofo6
15	Dalwhinnie ...	c	cir$_o$o		oir
	Aberdeen ...	cz_o	cz_o	cz_o*	czopf
	Wick ...	cm_o	$ccir_o cm_o$	cfo cdom$_o$	cdom$_o$cm
	Cranwell ...	cm$_o$ifoc	c	cm$_o$ifoc	cifomc
16	Sumburgh ...	r	be	b	bc
17	Blacksod Point	r	r	r	r
18	Malin Head ...	ccido	$r_o r_o m_o$	cfofodo$_o$	dodorrbc
	Aldergrove ...	r	d	d*	bc
19	Birr Castle ...	r	r	r	b
20	Valentia Obsy.	r	r	r	b
	Roches Point				

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

Districts	Forecast
1 S.E. England	Light variable winds; fairly general fog at first, clearing slowly, developing again during the night; rather cold.
2 E. England ...	
3 E. Midlands ...	Light northwest to variable winds; fair with some bright periods; considerable fog developing during the night; rather warm.
4 W. Midlands	
5 S.W. England	Light northerly to variable winds; fair with some bright periods; rather warm.
Clan South Wales	
7 North Wales	
8 N.W. England	As 4
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13A W. Scotland ...	Moderate northwest winds backing southwest and freshening; fair at first, some rain later; rather cold.
13B N.W. Scotland	
14 Mid Scotland	
15 N.E. Scotland	Moderate southerly winds veering westerly; dull and rainy at first, becoming mainly fair; rather cold.
16 Orkneys and Shetlands	
17 N.W. Ireland	As 13A–14
18 N.E. Ireland	Light or moderate west to southwest winds; fair; rather cold.
19 S.E. Ireland	
20 S.W. Ireland	

GENERAL INFERENCE

A small depression over northeast Scotland is moving northnortheast and a ridge over our southwest districts will spread eastnortheast. Over East and Southeast England and the East Midlands there will be widespread fog at first, clearing slowly; during the night fairly general fog will again develop over much of England; there will be rain at first in Northeast Scotland, and some further rain is probable later on the northwest seaboard.

FURTHER OUTLOOK

Unsettled in the North and Northwest with southwesterly winds and rain at times; fine over most other districts but with considerable fog night and morning

Forecasts issued at 10-30

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

7h. Monday 11th October, 1943.

LOW

HIGH

LOW

HIGH

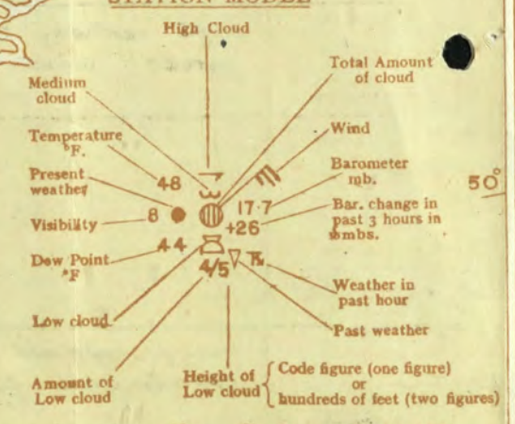
1012 1014 1016 1018 1020 1022 1024 1026

60° 55° 50° 10° 5°W. 0° 5°E 10° 60°

Mb. In.

1050 31 1040 1030 1020 30 1010 1000 990 29 980 970 960 950 28 940

STATION MODEL



Scale 1.: 5,000,000

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

Ps. 523/4556 Wt. 8091 D. 1545 Gp. 948/2. 7440. 10/43.

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 11th October

1943.

LOW

HIGH

Clarke 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. K Slight haze.

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

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

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

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

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

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

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

Monday 11th October 1943 — No. 29908

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

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	*	*	*	*	*	54	*	*	*	*	*	*	*	*	*
	Croydon ...	290	22·4	-2	–	0	F+	52	97	52	0	–	–	–	10	10	<150
	S. Farnborough	226	21·7	-6	–	0	F+	51	97	51	1	–	–	–	10	10	<150
	Boscombe Down	417	21·9	-2	–	0	bF+	43	97	43	1	–	–	–	0	0	–
	Thorney Island	10	21·5	-2	W'N	1	f+	49	97	49	2	–	–	–	10	10	–
	Lympne ...	283	21·4	-4	NE'N	2	bF+	50	97	50	1	–	–	–	0	0	–
	Manston ...	154	21·3	-8	N'N	1	F-	55	97	55	1	–	–	–	10	10	<150
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	22·1	-4	N'E	1	F	55	97	55	1	5	–	–	10	10	<150
	Gorleston ...	5	22·0	-2	–	0	F+	54	97	53	1	–	–	–	10	10	<150
	Mildenhall ...	15	22·0	-4	SE	1	F	50	97	50	0	–	–	–	10	10	<150
	Cranwell ...	203	21·8	+6	–	0	F+	47	97	47	0	–	–	–	10	10	<150
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22·3	-2	WSW	1	bF-	40	97	40	1	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·1	0	SW	3	2o	56	97	55	6	–	7	–	0	9+	–
	Bristol ...	209	22·1	0	–	0	bF+	45	97	45	1	–	–	–	0	0	–
	Portland Bill ...	32	21·8	+2	E	1	c-bc	57	92	55	7	5	–	–	7-8	7-8	4000
	Plymouth ...	86	22·1	0	SE	1	m	49	85	45	4	–	–	2	0	4-6	–
	The Lizard ...	240	22·1	0	–	0	m	52	97	52	4	5	–	–	10	10	800
	Scilly (St. Mary's)	163	21·8	+2	N	4	o/c	56	97	55	5	5	–	–	10	10	450
	Guernsey ...	175															
6	Pembroke ...	142	21·4	+4	NNW	3	i6	54	97	54	6	5	–	–	10	10	800
7	Holyhead (Valley)	32	20·8	+6	W'N	3	6o6o	51	97	51	6	0	–	–	10	10	4300
	Chester (Sealand)	16	20·6	-2	–	0	b-bc	f+49	32	47	2	–	3	–	0	2-3	–
8	Manchester ...	230	20·9	-4	S	3	m	50	92	48	4	–	–	–	0	0	–
10	Spurn Head ...	29	21·9	-6	SE	2	F	53	97	52	0	–	–	–	10	10	<150
	Catterick (Sc.) ...	192	21·5	-4	S	1	f	52	97	52	2	–	–	–	10	10	<150
	Tynemouth ...	108	20·4	-2	S	3	m	53	92	51	4	5	–	–	10	10	1500
11	St. Abbs Head	280	19·0	0	SE	2	bc	50	92	48	5	5	4	–	4-6	4-6	4000
	Leuchars ...	36	19·5	-2	S	2	c	54	85	51	7	5	7	–	7-8	9+	4500
12	Renfrew (Abbotsl.)	19	16·3	-12	ESE	1	6o6	55	97	55	5	5	–	–	4-6	10	1000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	18·3	0	NNW	4	rr	54	97	52	7	6	2	–	4-6	10	800
13A	Tiree	44	17·4	0	N	4	rr	50	97	50	7	5	–	–	10	10	1200
13B	Stornoway ...	12	17·5	+4	NNW	2	c	50	92	48	7	5	2	–	2-3	10	1400
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	18·2	0	S	3	f+	51	97	50	3	–	–	–	10	10	<150
	Wick ...	114	17·6	0	S	2	do do	53	92	53	5	5	–	–	10	10	300
16	Sumburgh ..	19	18·6	+6	S	3	2o	53	97	52	5	5	7	–	7-8	9+	500
17	Blacksod Point	18	22·4	+4	W'N	1	b	48	85	45	8	2	–	–	1	1	2500
18	Malin Head ...	84	18·3	+10	N'W	5	6o6o	50	85	56	8	–	2	–	10	10	800
	Aldergrove ...	268	18·8	+8	W'S	2	do do	51	92	49	6	6	–	–	10	10	1000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·8	+8	–	0	b-bc	42	97	42	8	1	–	–	1	2-3	2800
	Roches Point	22	23·3	+12	NNW	3	b	49	97	49	8	–	–	–	0	0	–

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High. (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	22·6	+10	NNW	1	F	51	97	50	1	–	–	–	10	10	<150	1	*
	Croydon ...	23·0	+6	–	0	F+	53	97	53	0	–	–	–	10	10	<150	1	*
	S. Farnborough	23·1	+12	–	0	F	49	97	49	0	–	–	–	10	10	<150	0	*
	Boscombe Down	23·0	+10	–	0	F-	44	97	44	1	–	–	–	10	10	<150	1	*
	Thorney Island	22·3	+6	–	0	F	53	97	53	1	–	–	–	10	10	<150	1	*
	Lympne ...	22·4	+10	N'E	2	F	53	97	53	1	–	–	–	0	0	–	1	* 2
	Manston ...	22·2	+6	NNW	2	df	54	97	54	2	–	–	–	10	10	<150	1	*
2	Shoeburyness ...	22·6	+8	–	0	F	55	97	55	1	–	–	–	10	10	<150	0	*
	Felixstowe ...	22·1	+6	–	0	F-	55	97	55	1	5	–	–	10	10	<150	1	1
	Gorleston ...	21·8	+2	N	1	F	51	97	51	1	–	–	–	10	10	<150	1	2
	Mildenhall ...	22·4	+6	–	0	F	47	97	47	0	–	–	–	10	10	<150	1	*
	Cranwell ...	22·6	+6	–	0	F	43	97	43	1	–	–	–	10	10	<150	1	*
3	Birmingham ...	23·1	+6	–	0	bcf	48	97	48	2	–	3	6	0	4-6	–	1	*
	Upper Heyford	23·0	+6	NNW	1	F+	40	97	40	1	–	–	–	10	10	<150	0	*
4	Ross-on-Wye	22·5	+8	W	1	DF	44	97	43	1	–	–	–	10	10	<150	1	*
5	Hartland Point	23·0	+16	N	3	c	55	97	54	8	5	2	–	7-8	9+	900	0	3
	Bristol ...	24·5	+14	–	0	F	46	97	46	0	–	–	–	10	10	<150	0	*
	Portland Bill ...	22·7	+8	NW	2	o	56	92	54	7	6	–	–	10	10	2500	1	3
	Plymouth ...	23·6	+14	SE'S	1	f+	51	97	51	2	–	–	–	10	10	<150	0	1
	The Lizard ...	23·0	+10	–	0	of-	55	97	55	3	5	–	–	10	10	400	0	3
	Scilly (St. Mary's)	23·8	+18	N	4	c	54	85	5[illegible]	8	6	–	–	10	10	[illegible]00	1	4
	Guernsey ...																	
6	Pembroke ...	24·0	+20	N'S	2	bc	50	92	49	8	8	4	–	2-3	4-6	2000	1	3
7	Holyhead (Valley)	23·7	+26	NNW	1	b-bc	48	92	47	8	8	–	–	2-3	2-3	2000	1	1
	Chester (Sealand)	22·9	+22	NNW	1	c-bc	52	92	49	7	6	–	–	7-8	7-8	2000	1	*
8	Manchester ...	22·5	+18	SW	2	df	49	97	49	2	–	–	–	10	10	<150	1	*
10	Spurn Head ...	22·3	+2	SSW	2	F	49	97	49	0	–	–	–	10	10	<150	1	3
	Catterick (Sc.) ...	21·4	0	SSE	2	f	49	97	49	2	–	–	–	10	10	<150	0	*
	Tynemouth ...	21·1	-2	S	3	m	51	97	51	4	5	–	–	10	10	2000	1	2
11	St. Abbs Head	17·3	-8	S	3	rr	48	97	48	5	5	–	–	10	10	2500	1	3
	Leuchars ...	17·4	+2	SSW	3	6o6o	53	97	51	6	5	7	–	4-6	10	2500	1	*
12	Renfrew (Abbotsl.)	16·9	+12	SW	2	rr	52	97	51	6	5	–	–	4-6	10	1200	1	*
	Eskdalemuir ...	18·6	-4	S'W	3	c	48	92	46	8	5	–	–	10	10	900	1	*
	Point of Ayre ...	20·7	+6	NN'W	3	bc	49	85	46	8	5	–	–	4-6	4-6	1600	1	3
13A	Tiree	18·2	+10	NW	4	rr	48	97	47	7	5	2	–	7-8	10	2000	1	4
13B	Stornoway ...	16·6	-4	NNW	2	6o6o	50	92	48	7	6	2	–	4-6	10	900	1	1
15	Dalwhinnie ...	15·8	-6	S	3	rr	51	92	49	7	5	2	–	7-8	10	1500	1	*
	Aberdeen † ...	18·0	-6	S	3	f	51	97	50	2	–	–	–	10	10	<150	1	2
	Wick ...	16·6	-4	SSE	3	m	52	97	51	4	5	–	–	10	10	200	1	*
16	Sumburgh ..	18·7	-2	SE'S	3	m	51	97	51	4	5	–	–	10	10	200	1	2
17	Blacksod Point	22·5	+2	W'S	1	b-bc	48	85	44	8	8	–	–	2-3	2-3	4000	1	2
18	Malin Head ...	19·9	+14	NNW	4	pr	50	75	42	8	2	–	–	7-8	7-8	1600	2	4
	Aldergrove ...	21·8	+16	NSW	3	bc	46	92	44	8	5	4	–	2-3	4-6	4000	1	*
19	Birr Castle ...	23·8	+10	SSE	1	b-bc	36	97	35	8	–	4	–	0	2-3	–	1	*
20	Valentia Obsy.	25·0	+4	NE	1	b	41	97	40	8	1	–	3	Tr	1	5500	1	1
	Roches Point	25·3	+14	–	0	b	45	97	44	8	5	–	–	Tr	Tr	2500	1	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 10th Hrs. (38)
1	London (Kew)	61	50	40	–	Tr	0·0
	Croydon ...	66	51	45	–	0·2	3·6
	S. Farnborough	65	47	40	–	Tr	2·5
	Boscombe Down	64	42	41	–	Tr	3·8
	Thorney Island	63	46	40	–	Tr	*
	Lympne ...	*	49	46	Tr	0·1	5·8
	Manston ...	59	54	53	Tr	0·1	4·8
2	Shoeburyness ...	59	49	52	–	–	3·2
	Felixstowe ...	63	60	50	–	2	4·5
	Gorleston ...	61	50	51	–	–	4·9
	Mildenhall ...	69	45	40	–	Tr	5·5
	Cranwell ...	56	42	37	–	–	0·0
3	Birmingham ...	62	46	34	–	–	4·7
	Upper Heyford	59	39	37	–	–	*
4	Ross-on-Wye	66	42	38	–	Tr	6·8
5	Hartland Point	65	54	50	–	–	8·3
	Bristol ...	67	41	36	–	Tr	8·1
	Portland Bill ...	62	55	*	–	–	*
	Plymouth ...	66	47	44	–	–	8·0
	The Lizard ...	62	53	*	–	–	4·0
	Scilly (St. Mary's)	55	54	*	–	1	0·0
	Guernsey ...						
6	Pembroke ...	59	49	*	–	1	0·9
7	Holyhead (Valley)	62	48	42	–	6	*
	Chester (Sealand)	65	48	38	Tr	0·6	8·7
8	Manchester ...	63	48	39	–	0·3	*
10	Spurn Head ...	58	48	*	–	Tr	2·2
	Catterick (Sc.) ...	53	49	48	–	–	0·0
	Tynemouth ...	59	51	49	–	–	*
11	St. Abbs Head	62	45	*	–	0·5	*
	Leuchars ...	60	52	45	–	3	2·5
12	Renfrew (Abbotsl.)	58	52	50	0·4	4	0·0
	Eskdalemuir ...	58	47	45	–	5	2·1
	Point of Ayre ...	61	49	*	0·5	10	0·5
13A	Tiree	57	47	45	3	18	0·0
13B	Stornoway ...	56	49	47	4	1	0·0
15	Dalwhinnie ...	57	50	49	0·2	9	0·5
	Aberdeen † ...	55	51	48	–	–	0·0
	Wick ...	58	52	50	–	0·6	*
16	Sumburgh ..	55	51	41	0·1	Tr	0·0
17	Blacksod Point	57	48	*	2	0·2	*
18	Malin Head ...	59	50		1	10	0·0
	Aldergrove ...	58	45	41	4	10	0·0
19	Birr Castle ...	59	36	31	6	2	0·0
20	Valentia Obsy.	57	40	35	2	Tr	1·4
	Roches Point	58	44		11	0·3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T., 10th October			18h. G.M.T.			01h. G.M.T., 11th October			07h. G.M.T.		
	IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109	57	05664	47526	57	61654	17367	52	51545	17358	5-	08418	14428
115	52	02844	20127	52	51744	20157	--	67109	20367	5-	67109	32269
203												
206	57	02854	18428	62	61755	18168	02	58648	00068	02	61648	00068
210	57	02772	16227	57	02764	16228				57	02656	12167
219	62	62627	16668	57	61836	21368	57	22843	30468	8-	02878	29468
230	62	62646	16268	62	58746	00068	52	64636	00068	62	62636	22368
245	09	05690	18426	07	05690	17327	07	05690	07124	5-	57318	14348
260	56	05644	18425							5-	02744	20365
278												
279	57	05664	15326	57	05663	18228	52	05555	16328	70	00854	22364
285	43	01743	14415							62	63625	20568
288	50	41432	18244	5-	05548	00028	5-	45328	17348	53	46335	17445
575	52	61745	16358	62	62635	00068	86	01854	26225	80	01854	26314
301	00	05690	15424	07	05690	13114	04	08490	12212	70	05653	22353
321	5-	41538	14248	50	08443	14123	--	46009	14149	--	46009	16149
299	5-	08428	16248	5-	08446	22346				--	48209	20148
292	5-	41438	14148	5-	47338	18248	--	46009	00049	--	44109	16249
310										--	46109	44343
614	5-	42448	15148	00	47290	00020	--	46309	00049	--	46009	24249

	13h. G.M.T., 10th October			18h. G.M.T.			01h. G.M.T., 11th October			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
332	14	01651	14414	03	05690	12124	62	62554	20368	20	01843	26263
334										--	02644	22113
340	14	05664	17444	00	05690	18212	--	45009	16149			
136	50	05551	18341	00	46390	32100	--	46109	16149	--	44109	00049
336										59	01754	24315
350	5-	05535	14148	00	08490	00020	--	44209	10149	--	46009	00049
368	00	05590	10101	03	05590	14102				5-	45236	07146
379	5-	41428	16148	00	05590	10100				00	41590	26216
390	50	05548	00043	00	47390	04100	--	46009	00049	--	46009	00049
382	5-	05547	00027	00	04590	00000	--	46009	00049	--	48109	00049
438	51	08436	....	00	08390	04110	01	05690	00013	--	48209	32163
430	5-	05547	10127	00	08490	16100	--	46009	00049	--	44109	04143
409	54	05644	13414	57	05664	15325	57	05644	18126	5-	51338	32358

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 11th October
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 ...	om$_o$ cm$_o$	cmb obfw	cfw ofe	Kew 24 hours ended 7h.
Croydon ...	cfcmbc2	of	ofe	Max. Time 07 20–21 10th
Greenwich ...	cbm$_o$	cmom	bfofef	Min. Time 0·1 7–8 10th
Camden Square	o	o	*	
Kensington ...	obc	bczc	f	
Hampstead ...	om	bcm	of	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % (To-day)
Kew	61	50	40	–	Tr	0·0	*	*
Croydon ...	65	51	45	–	0·2	3·6	*	*
Greenwich ...	66	53	43	–	Tr	3·8	72	99
Westminster ...	65	53	48	–			78	98
Regents Park ...	64	50	43	–	–		83	97
Camden Square	63	49	44	–	Tr	*	*	96
Kensington ...	63	51	45	–	Tr		81	99
Hampstead ...	59	45	44	–	–		*	97

SECRET

Page 1

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

Tuesday 12th October 1943 — No. 29909

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

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)	23·5	-6	N'W	1	m	58	85	53	4	–	–	–	0	0	–
	Croydon ...	24·1	+4	W	1	f–	57	85	54	3	–	–	–	10	10	<150
	S. Farnborough	23·7	-6	NW'N	1	m	58	85	55	4	–	–	–	0	0	–
	Boscombe Down	23·2	-6	–	0	z_o	62	75	55	6	2	–	–	2-3	2-3	2000
	Thorney Island	23·1	-6	WNW	1	m	65	75	57	4	1	–	–	Tr	Tr	1500
	Lympne ...	23·4	-4	NNW	1	m	55	92	53	4	5	–	–	4-6	4-6	900
	Manston ...	23·1	+2	NW	2	f+	53	92	52	2	5	–	–	10	10	<150
2	Shoeburyness ...	23·6	-4	–	0	m/f	53	97	52	4	–	–	–	10	10	<150
	Felixstowe ...	22·8	-8	NW'W	2	f–	55	97	54	3	5	–	–	10	10	<150
	Gorleston ...	22·8	0	N'W	1	z_o	57	92	55	5	5	–	–	7-8	7-8	1500
	Mildenhall ...	23·9	-2	WNW	1	f–	53	97	52	3	–	–	–	10	10	<150
	Cranwell ...	23·6	0	N	2	z_o	58	85	52	5	–	7	–	0	1	–
3	Birmingham ...	24·2	+4	NNW	2	z_o	58	65	46	6	7	–	–	4-6	4-6	4000
	Upper Heyford	23·8	-2	N'W	3	bf+	57	85	52	3	–	–	–	0	0	–
4	Ross-on-Wye	24·2	0	N	1	c	58	75	50	8	7	–	–	9+	9+	3000
5	Hartland Point	24·7	+4	N	3	bc	55	85	52	9	2	6	–	4-6	4-6	2500
	Bristol ...	25·8	+16	NE	2	c/f	58	85	53	5	5	–	–	9+	9+	2500
	Portland Bill ...	23·6	-2	NW	1	c-bc	63	85	58	7	5	–	–	7-8	7-8	4000
	Plymouth ...	24·3	0	W'S	2	c	62	75	54	7	5	–	–	9+	9+	2000
	The Lizard ...	24·3	+4	NE	2	c	57	92	55	8	5	–	–	10	10	1500
	Scilly (St. Mary's)	25·3	+6	N	4	c	57	78	50	8	5	–	–	9+	9+	1500
	Guernsey ...															
6	Pembroke ...	24·8	0	ENE	1	bc	57	65	45	8	–	7	1	0	4-6	–
7	Holyhead (Valley)	24·7	-2	NW'N	3	b-bc	57	75	46	8	1	–	–	2-3	2-3	3000
	Chester (Sealand)	24·5	+6	NW	4	b-bc	57	65	45	9	1	–	1	2-3	2-3	3000
8	Manchester ...	24·1	+4	NW	4	bc	58	75	48	8	2	–	1	4-6	4-6	2500
10	Spurn Head ...	23·1	-2	WNW	2	m	52	85	47	4	5	4	–	4-6	4-6	800
	Catterick (Sc)...	22·4	+4	WSW	3	bc	59	75	50	8	7	–	–	4-6	4-6	3500
	Tynemouth ...	22·8	+12	W	3	bc	58	55	43	7	1	–	–	4-6	4-6	2000
11	St. Abbs Head	18·1	+10	W	6	bc	54	65	43	8	1	–	–	2-3	4-6	4000
	Leuchars ...	18·4	+6	WSW	6	bc	55	75	46	8	8	6	–	4-6	4-6	2000
12	Renfrew (Abbotsl.)	20·7	+14	W'S	4	bc	46	65	36	8	2	6	–	2-3	4-6	2500
	Eskdalemuir ...	21·2	0	SW	4	bc	55	55	39	8	8	–	–	4-6	4-6	1500
	Point of Ayre...	23·3	+4	NW'N	4	b	57	75	48	8	1	–	–	Tr	Tr	3000
13A	Tiree	20·3	+16	SW'W	3	bc	54	85	50	8	1	3	–	4-6	4-6	2500
13B	Stornoway ...	16·8	+4	WNW	2	c	52	75	45	8	5	7	–	4-6	9	1400
15	Dalwhinnie ...	18·0	+12	SSW	4	c	47	85	44	8	5	7	–	9	9+	1500
	Aberdeen ...	16·3	-10	S	3	c-bc	56	85	50	8	8	4	–	7-8	7-8	4000
	Wick ...	15·8	-6	S'W	2	m	54	87	52	5	6	7	–	4-6	10	800
16	Sumburgh ...	16·9	-10	SE'S	4	d_o d_o	51	97	51	4	5	–	–	10	10	100
17	Blacksod Point	21·6	-8	SSW	4	c	56	75	48	8	8	–	–	9	9	2500
18	Malin Head ...	20·8	+2	WNW	3	b-bc	56	65	45	8	2	–	–	2-3	2-3	1500
	Aldergrove ...	22·9	-4	SW'W	3	bc	56	65	44	8	2	4	1	2-3	4-6	2500
19	Birr Castle ...	23·4	-4	S	2	bc	59	65	47	8	–	–	8	0	4-6	–
20	Valentia Obsy.	24·8	-2	S	4	c	56	75	48	8	1	1	3	1	9+	2500
	Roches Point	25·6	-2	–	0	bc	56	75	48	8	2	–	5	1	4-6	2500

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

Barom. at M.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)
24·6	+10	–	0	bm	56	85	52	4	–	–	–	0	0	–	1	*
24·9	+8	–	0	bcf+	55	92	53	2	5	–	–	4-6	4-6	500	0	*
24·9	+14	–	0	z_o	58	85	53	5	–	–	–	0	0	–	0	*
24·4	+14	ENE	1	z_o	57	85	53	5	–	–	–	0	0	–	0	*
24·4	+6	N	1	bf+	56	85	51	3	–	–	–	0	0	–	0	*
24·7	+8	–	0	f+	58	97	51	3	–	–	–	10	10	<150	1	§1
24·6	+14	N	1	f+	52	97	52	2	–	–	–	10	10	<150	1	*
24·4	+12	–	0	m	52	97	51	4	–	–	–	0	0	–	0	*
24·2	+8	NW	2	m	55	92	53	4	5	–	–	7-8	7-8	2500	0	*
23·0	+12	N	3	op	54	97	53	3	5	–	–	10	10	1000	1	*
24·4	+6	–	0	bf+	52	97	52	2	–	–	–	0	0	–	1	*
25·0	+14	N'W	2	z_o	53	85	48	5	–	–	–	0	0	–	0	*
25·0	+6	N	1	m	54	75	46	4	5	–	–	Tr	Tr	4000	1	*
24·9	+10	–	0	m	56	85	50	4	–	–	–	0	0	–	0	*
24·6	+12	SSE	1	z_o	55	85	49	6	5	–	1	Tr	1	3000	1	*
24·5	+4	WNW	2	b-bc	55	85	51	8	4	4	4	Tr	2-3	3000	0	3
24·9	0	SW	1	z_o	52	85	48	6	–	4	–	0	Tr	–	0	*
23·8	+4	NW	1	bc	60	85	60	7	5	–	–	4-6	4-6	4000	1	3
24·7	0	SSE	1	b-bc	56	85	52	7	5	4	–	2-3	2-3	4000	0	1
24·7	+4	SSW	2	c	57	85	54	8	5	–	–	9+	9+	1500	1	3
24·9	0	ENE	2	c	56	85	52	8	5	–	–	10	10	1500	0	2
25·0	+4	N	2	bc	53	85	49	8	–	4	3	0	4-6	–	0	1
24·8	+2	SW'S	1	c	51	85	45	8	–	8	6	0	9	–	0	*
25·2	+10	–	0	z_o	48	85	44	6	–	4	8	0	2-3	–	0	*
25·4	+14	–	0	z_o	47	85	44	5	–	–	5	0	2-3	–	1	*
24·6	+12	NNW	1	f	51	97	51	2	7	7	–	4-6	7-8	1500	1	1
24·5	+14	SSW	1	b-bc	47	85	43	8	–	7	–	0	2-3	–	0	*
24·3	+10	NW	1	z_o	54	65	43	5	–	4	–	0	2-3	–	0	2
21·1	+14	W	3	bc	58	75	50	8	1	4	–	2-3	4-6	3500	0	4
21·8	+14	WSW	2	c	50	75	42	6	–	4	7	0	10	–	0	*
21·8	+8	SW	1	c	50	85	45	8	5	4	7	4-6	10	2500	1	*
22·7	+10	SW'W	3	c	47	75	39	8	5	7	–	1	10	1800	1	*
23·9	0	SW	2	c	48	85	44	8	–	–	7	0	9+	–	0	1
19·6	-8	SSW	3	c	52	97	51	9	4	2	–	4-6	9	2000	1	3
15·6	-10	SSW	6	c	52	75	45	8	5	2	–	4-6	10	1500	1	4
19·3	+6	S	3	c	45	85	40	8	5	7	–	2-3	10	2500	1	*
19·0	+30	SW	1	z_o	53	75	47	6	4	7	–	7-8	9+	6000	1	1
17·8	+16	SW	1	c	49	82	47	9	5	7	–	9	10	4000	1	*
14·5	-8	S'E	4	jd	52	97	52	5	5	–	–	10	10	300	1	2
19·3	-18	S	6	c	54	75	48	7	6	–	–	10	10	1500	1	5
19·7	-8	S'E	3	c	51	75	44	8	4	1	–	2-3	10	1500	2	3
22·6	-2	SW	1	bc	49	85	44	8	–	7	6	0	4-6	–	1	*
22·6	-18	SE	1	c-bc	49	85	45	8	–	–	5	0	7-8	–	1	*
22·0	-16	S'E	4	c	51	85	47	8	1	–	2	2-3	9	2200	1	3
23·9	-10	S	2	bc	53	85	49	8	5	–	5	1	4-6	2500	1	3

PAST 24 HOURS.

Weather. 7h.–13h. 11th. (39)	Weather. 13h.–18h. 11th. (40)	Weather. 18h. 11th. to 1h. 12th. (41)	Weather. 1h.–7h. 12th. (42)
oFebm	bebm$_o$w	b fwfe	febccido
oFeof	ofbcf	bcf-of	ofedodo
oFecfbm	bmbm$_o$	bm$_o$bmbfbfo	ofe
ofofbm	bcmbm$_o$	bm$_o$ bcfbf	bfcmof
oFeom	bm$_o$	bm$_o$mfw	bbccfw
bFbfcm	bfbcm	offfcm	cmcm$_o$cm
oFe	offfe	ofm	com$_o$
Fm	m$_o$bm$_o$bme	f	fecm
of	bm$_o$cm	omido	ofom
ofcz	of	off	czo
FeF	fbm$_o$bF	bfbfofe	fe
bfbm$_o$	bm$_o$bczbm$_o$	bm$_o$bm	fe
fbcz	bcz	bm	bmcf
OFbcm$_o$	bmbm$_o$bz$_o$	bmbmwbmbm$_o$	m$_o$ ofw
Fcmc	cb	bmbf	bfcom
cbc	bcb	bcc	cbc
oFwfwcm$_o$	cm$_o$bm$_o$wbmwbfwcm		
c	cbc	bcbc	co
cm$_o$fcm$_o$c	cbc	bcmcm	cm$_o$
offc	c	c	c
c	c	cbccw	cido
cb	bc	bcc	cq
bcb	c	bcjfw	cwc
bcbbc	bc$_o$b, bc	bcm$_o$ff	cmirac
offddd$_o$bm$_o$	bc$_o$b		obmow
bcm	fbcm	bcf	f
bc	b	bbc	bcmoof
bc	bcm$_o$	cbcm$_o$	bccm$_o$
bc	bbc	cbc bc	bc
cm$_o$cribc	bc ⊕	bcm$_o$ ⊕	cmow
crm$_o$r$_o$cbc	bcc	ccw	cwmomc
cir$_o$cbc	bcvc	cbc	bccpro
bcb	bbcc	cbbcc	c
cr$_o$cbc	bcc	cvc	c
cir$_o$c	cbcc	ccifcc	c
oirc	cpro		oc
or$_o$r$_o$fm bc$_o$c	cbccjpz	obcwz_o	bbccw
cid$_o$rod$_o$d$_o$rm$_o$r$_o$r$_o$e	bcc		ccm$_o$
omd$_o$d$_o$	od$_o$fo	cbcc	odc
bc	c	r	r
bc	bc	bc	c
bcbbc	bcbc	bcc	c
bc	c		c
bc	c	pr	r
bc	bc	c	r

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light variable to southerly winds; fairly general mist or fog at first, mostly clearing this afternoon, but recurring fairly generally again tonight; rather warm except in persistently foggy areas.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England	Freshening southerly winds, perhaps gale later on exposed coasts; local fog at first well away from west coast; cloudy, occasional rain later; rather cold.
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	Strong southerly winds, gale locally; cloudy, rain at times; rather cold.
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 very low in the Iceland Greenland area, and high to southeast of the British Isles; troughs of low pressure will cause rain at times in Scotland, Ireland, Wales, North and Southwest England, with strong winds or gales over much of this area; over most of the remainder of England there will be much fog at first and again tonight, but weather will be mainly fair this afternoon.

FURTHER OUTLOOK

Little change except for decreasing tendency for fog in the Midlands and Southeast.

Gale warning in operation in districts 13A, 13B. Issued 17-45 G.M.T 11 Oct 1943. In 15 (part of) & 16 issued 22.50 G.M.T 11 Oct 43. In 6, 7, 8, 11, 12, 14, 15 (part of) 17, 18, 19, 20 issued 06.20 G.M.T 12 Oct 43.

Forecasts issued at 10.30

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

7h. Tuesday 12th October, 1943.

LOW

HIGH

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F.

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in mbs.

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

Scale 1.: 5,000,000

Mb. In.

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

Ps.523/4556. Wt.6091. D.N545. Gp.548/2. 7440. 10/43.

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 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 12th October

1943.

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.

Tuesday 12th October 1943 — No. 22202

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

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	*	*	*	*	*	49	*	*	*	*	*	*	*	*	*
	Croydon ...	290	25·2	-10	–	0	F+	50	97	50	1	–	–	–	10	10	150
	S. Farnborough	226	24·7	-8	–	0	F+	44	92	43	1	–	–	–	0	0	–
	Boscombe Down	417	24·5	-8	E	1	bF+	48	97	47	1	–	–	–	0	0	–
	Thorney Island	10	24·0	-6	NNE	1	bf	47	97	46	3	–	–	–	0	0	–
	Lympne ..	283	24·9	-8	E'S	2	m	53	92	52	4	5	–	–	10	10	1100
	Manston ...	154	22·2	-6	N'E	1	Zo	54	92	50	5	5	–	–	10	10	800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	24·8	0	NNW	2	m/d	53	92	51	4	5	–	–	10	10	1300
	Gorleston ...	5	23·9	-8	N	2	m/f	53	92	51	4	5	–	–	10	10	800
	Mildenhall ...	15	24·8	-6	E'S	1	F-	46	97	46	0	–	–	–	10	10	150
	Cranwell ...	203	24·6	-10	–	0	m	38	97	37	4	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24·5	-6	ENE	1	Zo	48	92	46	5	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	22·4	-18	SSE	3	C	53	92	51	8	5	–	–	9+	9+	2500
	Bristol ...	209	24·4	-10	–	0	m	43	92	42	4	5	–	–	9+	9+	2300
	Portland Bill ...	32	23·3	-12	W	1	bc	58	85	54	7	5	–	–	4-6	4-6	4000
	Plymouth ...	86	23·9	-14	S	2	Zo	54	92	54	5	5	–	–	7-8	10	2700
	The Lizard ...	240	23·7	-10	S'E	3	C	56	85	51	7	5	–	–	10	10	1500
	Scilly (St.Mary's)	163	22·5	-18	S'E	4	c	55	97	54	8	8	3	–	4-6	9+	1500
	Guernsey ...	175															
6	Pembroke ...	142	22·2	-16	S	4	C	56	92	53	8	5	–	–	7-8	7-8	2500
7	Holyhead (Valley)	32	21·8	-18	–	0	c/f	42	92	40	8	5	3	6	Tr	9	4000
	Chester (Sealand)	16	22·9	-18	SSE	1	b-bc/f	40	97	39	2	–	–	1	0	2-3	–
8	Manchester ...	230	23·3	-18	SSE	3	b	46	75	37	7	–	–	1	0	Tr	–
10	Spurn Head ...	29	24·7	-8	SE	2	if	50	97	50	3	6	–	–	4-6	4-6	1500
	Catterick (Sc) ...	192	24·4	-8	–	0	Zs	37	97	37	6	–	–	6	0	4-6	–
	Tynemouth ...	108	24·0	-14	W	3	Zo	45	85	40	5	–	–	–	0	0	–
11	St. Abbs Head	280	19·7	-14	SW	4	b-bc	43	92	41	7	5	4	–	2-3	2-3	4000
	Leuchars ...	36	20·8	-10	NW	1	Zo	41	92	39	6	–	–	7	0	10	–
12	Renfrew (Abbots L.)	19	20·1	-10	SE'S	1	C	47	92	44	7	-	7	8	0	9+	–
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	20·9	-20	SW'S	4	C-bc	52	85	48	8	5	–	6	1	7-8	1600
13A	Tiree	44	16·0	-12	S	7	C	52	97	51	8	5	2	–	1	10	2000
13B	Stornoway ...	12	12·0	-14	SSW	8	c	53	75	46	8	5	2	–	7-8	10	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	19·7	-2	SW	8	c	45	85	41	7	–	7	7	0	9+	–
	Wick ...	114	16·6	-10	S'W	5	c	50	85	46	8	–	1	5	0	9	–
16	Sumburgh ..	19	16·5	+2	S	5	C-bc	51	92	49	8	–	3	6	0	7-8	–
17	Blacksod Point	18	13·0	-22	S	7	C/r	55	75	47	7	6	–	–	10	10	1500
18	Malin Head ...	84	15·8	-10	SSW	4-	c	50	75	42	8	5	–	–	10	10	1500
	Aldergrove ...	268	19·5	-18	S'E	2	C	48	85	43	7	5	4	-	4-6	9+	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16·3	-24	S'E	5	c	54	85	50	8	5	7	–	9	10	3500
	Roches Point	22	19·3	-22	SSW	6	C-bc	53	85	49	8	5	-	-	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
London (Kew)	24·2	+6	SSW	1	ido	51	97	50	4	5	–	–	10	10	1500	1	*
Croydon ...	24·8	+4	SSE	1	df	51	97	51	3	5	–	–	10	10	600	1	*
S. Farnborough	24·7	+6	W'S	1	F+	48	97	48	1	–	–	–	10	10	150	1	*
Boscombe Down	24·0	+2	ESE	1	F-	46	97	46	1	–	–	–	10	10	150	1	*
Thorney Island	23·5	+4	–	0	m/f	50	97	50	4	5	–	–	7-8	7-8	1500	1	*
Lympne ..	24·4	+6	SW	1	m	53	97	52	4	5	–	–	9+	10	1800	0	2
Manston ...	24·2	+6	–	0	Zo	54	97	53	5	5	–	–	10	10	500	0	*
Shoeburyness ...	24·3	-2	NN	1	m	49	97	48	4	5	–	–	9+	9+	1500	0	*
Felixstowe ...	24·0	+2	NNW	2	m	52	92	50	4	5	–	–	10	10	1600	0	1
Gorleston ...	24·0	+2	–	0	mjf	52	97	51	4	5	–	–	10	10	1000	0	1
Mildenhall ...	24·2	+6	SE'S	1	F	48	97	48	0	–	–	–	10	10	150	1	*
Cranwell ...	23·4	-2	S	1	F-	45	97	45	0	–	–	–	10	10	150	1	*
Birmingham ...	23·3	-2	S	1	cf	49	92	47	2	5	–	–	9+	9+	450	1	*
Upper Heyford	24·1	+2	W	1	F-	44	97	43	0	–	–	–	10	10	150	1	*
Ross-on-Wye	22·7	-4	S'W	1	m	50	97	49	4	5	–	–	10	10	800	1	*
Hartland Point	21·0	-4	SW	3	c-bc	54	92	52	8	5	4	–	7-8	7-8	1500	0	3
Bristol ...	23·5	0	E	1	m	50	97	48	4	5	2	–	9+	10	2500	0	*
Portland Bill ...	22·6	0	SW	2	0	60	92	58	7	5	–	–	10	10	2500	1	3
Plymouth ...	22·9	0	S'W	2	Zo	56	92	54	6	5	7	–	7-8	9	2000	0	1
The Lizard ...	22·0	-4	S'E	4	c	55	97	53	7	5	–	–	10	10	1500	0	4
Scilly (St.Mary's)	20·6	-6	S'E	5	c/d	56	97	55	7	5	–	–	10	10	1200	0	4
Pembroke ...	20·4	-2	S	5	cq	57	85	53	8	8	–	–	9+	9+	2000	0	3
Holyhead (Valley)	19·3	-6	S'W	7	c	56	75	47	9	5	–	–	9+	9+	3000	1	5
Chester (Sealand)	21·2	-6	SE	2	m	50	85	47	4	6	–	–	10	10	2500	0	*
Manchester ...	21·7	-10	S'E	3	Zo	52	85	48	5	5	–	–	9	10	2000	1	*
Spurn Head ...	23·8	-4	S	3	F+	50	97	50	0	–	–	–	10	10	150	1	1
Catterick (Sc) ...	23·2	-8	SSE	2	f+	40	97	40	3	–	–	–	10	10	150	0	*
Tynemouth ...	22·0	-16	SSW	4	Zo	47	75	40	6	8	–	–	9	9	1200	0	3
St. Abbs Head	18·3	-16	S	3	bc	43	85	38	7	5	4	–	4-6	4-6	3500	0	3
Leuchars ...	17·6	-18	ESE	1	c	44	85	40	7	5	7	8	2-3	9	3000	1	*
Renfrew (Abbots L.)	16·2	-16	E'S	2	Zo	49	92	47	4	5	–	7	9	9+	1200	1	*
Eskdalemuir ...	18·8	-14	S'W	1	pr	40	97	37	6	5	–	–	10	10	700	1	*
Point of Ayre ...	18·2	-10	SW'W	4	c	55	75	48	8	5	–	–	9+	9+	1000	0	3
Tiree	10·6	-22	S	8	ido	51	97	51	8	5	2	–	4-6	10	1000	1	6
Stornoway ...	06·6	-36	S	8	c	53	75	45	8	6	2	–	7-8	10	1400	1	6
Dalwhinnie ...	14·0	-14	S	3	c	45	75	38	7	8	4	6	4-6	9+	2500	0	*
Aberdeen † ...	17·1	-14	S'W	2	c	49	85	46	7	–	7	6	0	9+	–	1	2
Wick ...	12·8	-14	S	5	c	51	85	47	7	5	2	–	4-6	10	2000	1	*
Sumburgh ..	13·6	-12	S'E	5	c	51	85	48	7	-	7	–	0	10	–	1	3
Blacksod Point	06·4	-32	S	7	m	56	85	50	7	6	–	–	9+	9+	1500	1	5
Malin Head ...	09·6	-30	S'E	6	c-bc	50	75	42	8	4	–	–	2-3	7-8	1500	2	4
Aldergrove ...	14·5	-30	S'W	4	c	50	75	43	9	5	5	–	4-6	9+	2500	1	*
Birr Castle ...	12·1	-26	SSW	3	c	55	85	50	8	5	7	–	4-6	9	2500	1	*
Valentia Obsy.	11·9	-12	S'W	6	c/r	56	85	51	8	5	–	–	10	10	2500	1	4
Roches Point	15·1	-12	SSW	6	c/r	56	92	54	8	6	2	–	4-6	9	1500	1	5

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 18th Hrs. (38)
London (Kew)	63	46	38	–	Tr	2·9
Croydon ...	59	46	40	0·1	0·1	1·1
S. Farnborough	64	43	35	–	0·1	3·5
Boscombe Down	66	42	40	Tr	Tr	4·2
Thorney Island	67	44	37	–	–	*
Lympne ..	*	50	49	–	–	2·6
Manston ...	55	52	52	Tr	–	0·0
Shoeburyness ...	58	47	44	–	–	0·8
Felixstowe ...	61	51	51	0·1	0	1·4
Gorleston ...	60	52	51	–	–	2·2
Mildenhall ...	58	42	41	Tr	Tr	0·6
Cranwell ...	64	37	31	–	–	5·4
Birmingham ...	60	44	27	Tr	–	3·7
Upper Heyford	61	43	39	–	–	*
Ross-on-Wye	63	42	36	–	–	2·8
Hartland Point	58	51	43	–	–	5·1
Bristol ...	60	40	36	Tr	Tr	0·9
Portland Bill ...	63	57	*	–	–	*
Plymouth ...	64	48	43	–	–	2·1
The Lizard ...	58	54	*	–	–	0·0
Scilly (St.Mary's)	58	52	*	–	Tr	0·0
Pembroke ...	60	48	*	–	–	3·3
Holyhead (Valley)	59	39	32	–	–	*
Chester (Sealand)	59	39	28	–	Tr	8·9
Manchester ...	58	39	29	0·4	–	*
Spurn Head ...	59	47	*	Tr	Tr	3·2
Catterick (Sc) ...	60	33	30	–	–	7·5
Tynemouth ...	59	41	38	–	–	*
St. Abbs Head	58	42	*	1	–	*
Leuchars ...	57	40	32	Tr	–	6·3
Renfrew (Abbots L.)	57	44	35	2	Tr	4·0
Eskdalemuir ...	57	33	26	0·2	Tr	6·3
Point of Ayre ...	58	44	*	–	–	7·7
Tiree	56	51	49	1	–	4·4
Stornoway ...	55	50	49	0·3	Tr	1·8
Dalwhinnie ...	51	43	33	1	–	1·5
Aberdeen † ...	60	44	35	1	–	2·9
Wick ...	54	45	39	0·2	–	*
Sumburgh ..	52	49	47	Tr	Tr	0·0
Blacksod Point	57	52	*	–	0·2	*
Malin Head ...	56	48	*	–	–	6·6
Aldergrove ...	57	45	40	0·4	–	8·0
Birr Castle ...	59	44	40	–	–	8·2
Valentia Obsy.	56	50	45	Tr	Tr	6·7
Roches Point	57	52	–	–	*	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
13h. G.M.T. 11th October			18h. G.M.T.			01h. G.M.T. 12th October			07h. G.M.T.		
109 5-	08428	16328	57	21754	23656	53	01753	49624	57	02765	14527
115 52	62635	28378				5-	02868	20428	23	02854	20327
203						8-	02848	49828			
206 52	21745	24368	54	02851	20468	5-	02868	20428	54	02863	18128
210 8-	22967	20367	54	02862	20465	03	02890	14326	57	02865	12327
219 20	01853	20414	81	02864	18618	51	61855	16768	52	02757	49768
230 83	02964	21465	81	02963	00028	54	02963	16328	57	02844	16327
245 86	01844	55524	54	02862	26825	04	02790	24216	07	02890	00027
260 83	05634	55625	57	05662	22114	00	00790	20110	53	05652	06215
276											
279 10	01853	55413	04	02890	22316	57	02864	14216	57	02755	17418
285 10	01853	26613							27	05645	02327
288 17	01853	21413	04	01890	18311	00	01890	18112	5-	41438	24148
575 13	02864	16315	47	01854	18315	07	02890	16328	57	02834	49526
301 14	01853	25313	04	01890	23114	00	08490	06243	5-	08468	12428
321 50	05623	28243	50	08462	26102	00	45290	00040	--	44003	00049
290 54	05643	24213				00	00790	24100	--	46109	16349
292 10	01954	24344	44	01890	23203	00	08490	14100	5-	45328	14148
310 --	01634	24314	--	05642	24312				--	03628	20328
614 10	05663	28223	04	05590	28212	00	47290	30140	--	47109	00049

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
13h. G.M.T. 11th October			18h. G.M.T.			01h. G.M.T. 12th October			07h. G.M.T.		
333 14	01862	31213	64	01890	00014	00	01790	14303			
334 --	01753	26214	--	00720	26101				--	02645	22216
340 10	01851	32342	00	05630	04103	00	47390	16200	57	41455	16246
136 --	48209	26249	00	08490	00010	--	46109	08249	--	44109	16249
336 10	01762	32312	13	01762	04214				57	02654	20328
350 50	05554	28144	04	05590	00001	00	43250	00040	--	46009	16149
368 5-	43338	17148	53	05553	22144	5-	08468	00028	51	05657	20248
379 50	05555	30125				00	08490	12200	--	46109	16249
390 --	44209	30149	00	48390	47390	--	46009	00049	--	46209	00049
382 50	41534	00044	00	05590	00000	--	44109	00049	--	44109	13149
438 --	46209	00069	5-	08436	02146	--	48209	02149	5-	04338	04148
430 10	08463	28113	00	05590	30100	00	08490	00000	5-	08446	00006
409 7-	02957	01357	54	01962	01223	5-	02758	15328	5-	02668	14428

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 12th October 1943.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew ...	ofebm	bcbmow	
Croydon ...	ofeof	ofbcf	bcfof
Greenwich ...	ofcf	bm	bodom
Camden Square	o	c	*
Kensington ...	ofebc	bc	*
Hampstead ...	of	bc	of

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. Time 0.9 23-24h 11M. Min. Time 0.1 3-7h 12M.

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		–				*	*
Croydon ...	59	46	40	0·1	0·1	1·1	*	*
Greenwich ...	62	48	34	–	Tr	2·1	71	96
Westminster ...	65	51	43	–			75	99
Regents Park ...	64	49	38	–	–		68	93
Camden Square	64	48	39	–	–	*	*	94
Kensington ...	64	49	39	–	Tr		91	96
Hampstead ...	62	49	42	–	–		*	98

SECRET

Page 1

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

BRITISH SECTION

Wednesday 13th October, 1943

No. 29310

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

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)	21·8	-18	SSE	1	2_o	57	95	52	5	5	–	–	9+	9+	2500
	Croydon ...	22·7	-16	S	1	fg	60	75	53	5	5	–	–	7-8	7-8	1000
	S. Farnborough	21·8	-14	S'E	2	m_o	55	97	55	4	5	–	–	10	10	800
	Boscombe Down	21·5	-10	SSE	2	c-	57	97	55	3	5	–	–	10	10	600
	Thorney Island	21·4	-14	SW'S	2	2_o	62	85	57	5	5	–	–	9	10	1500
	Lympne ...	22·1	-2	SSE	1	m	59	65	49	4	5	–	–	4-6	4-6	2700
	Manston ...	22·6	-12	–	0	2_o	58	85	53	5	5	–	–	9	9	2500
2	Shoeburyness ...	22·4	-18	SSE	2	2_o	57	85	53	5	5	–	–	9+	9+	2500
	Felixstowe ...	22·3	-10	W	1	m	56	85	51	4	5	–	–	10	10	800
	Gorleston ...	21·3	-14	E'S	1	2_o	57	85	53	6	7	–	–	7-8	7-8	2000
	Mildenhall ...	21·7	-20	SW'S	2	2_o	58	85	52	6	5	–	–	9+	9+	1700
	Cranwell ...	21·0	-18	SSE	3	f	50	97	50	2	–	–	–	10	10	<150
3	Birmingham ...	20·3	-10	SW	3	c	59	65	48	7	5	–	–	9	9	2500
	Upper Heyford	21·9	-14	SSW	1	f-	51	92	51	3	–	–	–	10	10	<150
4	Ross-on-Wye	20·3	-14	SSW	3	2_o	61	75	52	6	7	–	–	4-6	4-6	2500
5	Hartland Point	19·7	-8	SW	4	c/r	57	85	54	7	6	2	–	7-8	10	1700
	Bristol ...	20·9	-18	SSW	2	2_o	61	75	53	6	5	–	–	9+	9+	2500
	Portland Bill ...	21·3	-6	SW	2	o	60	85	56	7	5	–	–	10	10	2500
	Plymouth ...	21·5	-4	SW'W	3	2_o	58	85	54	6	5	–	–	10	10	1500
	The Lizard ...	20·9	-4	S	5	c	56	85	53	7	5	–	–	10	10	1000
	Scilly (St. Mary's)	19·7	-10	S	5	c	58	85	53	7	5	–	–	10	10	1000
	Guernsey ...															
6	Pembroke ...	18·7	-6	S'W	6	cq	57	85	53	7	5	–	–	9+	9+	1500
7	Holyhead (Valley)	17·0	-8	S	7	c	59	85	54	7	5	7	–	7-8	9+	1500
	Chester (Sealand)	18·7	-14	S'E	3	2_o	59	75	51	6	5	–	–	9+	9+	3600
8	Manchester ...	19·7	-10	S'W	4	2_o	58	75	50	6	5	3	2	4-6	9	3000
10	Spurn Head ...	21·3	-16	SSE	3	f	50	97	50	2	–	–	–	10	10	<150
	Catterick (Sc.) ...	19·6	-22	SE	1	c-bc	57	85	52	3	5	–	–	7-8	7-8	2500
	Tynemouth ...	18·9	-12	S	4	m	58	85	54	4	5	3	1	4-6	7-8	1700
11	St. Abbs Head	14·3	-16	SSW	4	c	57	65	46	7	5	7	–	7-8	9+	1500
	Leuchars ...	13·8	-22	SE	3	c	57	75	48	7	5	3	–	7-8	9	4500
12	Renfrew (Abbotsl.)	11·9	-20	S'E	5	c	59	75	51	7	5	1	–	9	10	1500
	Eskdalemuir ...	14·7	-20	S'E	5	c	55	75	47	7	5	–	–	10	10	1500
	Point of Ayre ...	15·6	-10	SW'S	5	c	58	85	52	8	6	–	–	10	10	1500
13A	Tiree	05·6	-28	S'E	8	$r_o r_o$	54	97	54	6	6	2	–	7-8	10	400
13B	Stornoway ...	01·7	-26	S	8	m	53	92	51	7	6	2	–	9+	10	1000
15	Dalwhinnie ...	09·0	-16	SSW	5	ir_o	50	85	47	7	5	–	–	10	10	2500
	Aberdeen ...	13·1	-14	S'W	5	2_o	54	85	49	6	–	7	–	0	10	–
	Wick ...	08·9	-12	S	5	c	53	85	49	7	–	7	–	0	9+	–
16	Sumburgh ...	09·8	-18	S'E	6	c	53	85	47	7	5	7	–	4-6	10	2000
17	Blacksod Point	03·7	+2	SSW	7	Dr	57	97	56	6	6	2	–	2-3	10	800
18	Malin Head ...	04·2	-38	S	7	ir	56	75	49	8	6	2	–	2-3	10	1500
	Aldergrove ...	10·2	-22	S	4	c	58	75	52	8	5	7	–	7-8	10	2000
19	Birr Castle ...	10·5	-10	SSW	4	c	57	75	50	8	5	2	–	7-8	10	2500
20	Valentia Obsy.	10·0	0	SSW	7	rr	57	97	56	6	6	–	–	10	10	800
	Roches Point	13·4	-14	SSW	6	c	58	85	54	8	6	2	–	4-6	10	1500

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

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)	20·6	-2	E	1	oft	56	92	53	3	5	–	–	10	10	4000	1	*
	Croydon ...	21·4	-2	SE'S	3	2_o	58	85	54	5	5	–	–	10	10	2000	1	*
	S. Farnborough	20·5	-4	ENE	2	m	58	85	55	4	6	–	–	10	10	1500	0	*
	Boscombe Down	20·6	+2	SW	3	2_o	55	85	51	6	5	7	–	2-3	9+	3500	0	*
	Thorney Island	20·8	-2	–	0	2_o	57	92	55	5	5	–	–	9+	9+	1500	0	*
	Lympne ...	21·7	-4	SSW	2	m	57	92	54	4	5	–	–	10	10	800	0	§1
	Manston ...	21·6	-2	S	2	2_o	56	85	51	5	5	–	–	7-8	7-8	2000	0	*
2	Shoeburyness ...	21·3	-2	S	3	2_o	57	85	53	5	5	–	–	10	10	2500	0	*
	Felixstowe ...	21·7	0	S	3	2_o	57	85	53	5	5	–	–	10	10	1500	0	1
	Gorleston ...	21·4	+6	SW	1	2_o	57	92	55	5	5	–	–	10	10	1000	0	2
	Mildenhall ...	20·5	-6	SW	2	m	56	92	53	4	–	–	–	0	0	–	0	*
	Cranwell ...	19·7	-2	S	3	m	50	97	50	4	5	–	–	10	10	700	1	*
3	Birmingham ...	19·2	-2	SSE	2	mf	57	85	52	4	5	–	–	10	10	1500	1	*
	Upper Heyford	20·4	-8	SE'E	1	of	53	97	53	3	5	–	–	10	10	400	1	*
4	Ross-on-Wye	19·0	-10	SW	2	2_o	58	75	50	6	5	–	–	10	10	2000	1	*
5	Hartland Point	18·3	0	SSW	3	c	55	92	53	7	5	2	–	9+	10	1200	0	3
	Bristol ...	20·3	+2	SSW	1	2_o	58	75	50	6	5	–	–	10	10	3500	0	*
	Portland Bill ...	20·1	-6	S.W	2	c	58	85	54	7	5	–	–	10	10	2500	1	3
	Plymouth ...	20·8	-4	SW'S	3	2_o	56	85	53	6	5	–	–	10	10	1800	0	2
	The Lizard ...	19·3	-6	S	5	f$_o$	56	92	54	7	5	–	–	9+	9+	1000	0	3
	Scilly (St. Mary's)	18·1	-6	SSW	5	cjP	58	85	54	6	8	–	–	10	10	800	0	4
	Guernsey ...																	
6	Pembroke ...	17·5	-2	S'W	6	oq	57	92	54	7	5	–	–	10	10	2500	0	4
7	Holyhead (Valley)	16·3	+2	SSW	7	c-bc	57	85	53	8	5	7	–	2-3	7-8	2000	1	5
	Chester (Sealand)	17·8	0	S'E	2	2_o	58	75	51	6	5	–	–	10	10	2500	0	*
8	Manchester ...	18·4	-2	S'W	3	2_o	57	75	50	6	5	–	–	10	10	2000	1	*
10	Spurn Head ...	19·7	-12	S	4	f	52	97	52	3	–	–	–	10	10	<150	1	3
	Catterick (Sc.) ...	17·6	+2	SSE	2	2_o	55	85	50	6	8	3	–	4-6	7-8	3000	0	*
	Tynemouth ...	16·9	+4	S	3	2_o	59	65	46	5	8	3	–	4-6	7-8	2500	0	2
11	St. Abbs Head	12·7	-2	SSW	6	bc	57	65	45	7	4	4	–	4-6	4-6	3000	0	4
	Leuchars ...	10·9	-8	SSW	5	c	57	75	49	7	5	7	–	4-6	10	3500	0	*
12	Renfrew (Abbotsl.)	11·3	+8	S	5	rr	56	92	54	5	5	2	–	9	10	1000	1	*
	Eskdalemuir ...	13·6	-2	S	6	c	54	92	52	7	5	1	–	9	9+	1100	1	*
	Point of Ayre ...	14·1	-4	SW	6	c	58	85	52	8	6	4	–	9+	9+	1500	0	3
13A	Tiree	09·4	+54	WNW	8	c/d	48	97	48	6	6	8	–	7-8	10	400	1	6
13B	Stornoway ...	03·3	+34	WNW	6	m	47	97	45	6	6	2	–	9	10	1000	2	4
15	Dalwhinnie ...	10·0	-2	SSW	4	ir	52	92	50	6	5	–	–	10	10	1500	1	*
	Aberdeen ...	11·1	-2	S	4	2_o	56	85	51	6	5	7	–	9	10	2500	1	3
	Wick ...	06·0	-4	SSE	4	c	55	92	53	8	5	7	–	7-8	10	2500	1	*
16	Sumburgh ...	06·2	-26	S'E	7	c	54	85	49	7	5	7	–	2-3	10	5000	1	4
17	Blacksod Point	15·1	+50	WNW	2	b-bc	49	75	42	8	5	–	5	2-3	2-3	2500	1	2
18	Malin Head ...	11·5	+70	NW	6	id	49	85	45	8	6	2	–	2-3	10	1500	2	5
	Aldergrove ...	11·5	+14	SW'S	4	$r_o r_o$	55	92	52	6	–	2	–	10	10	600	1	*
19	Birr Castle ...	13·6	+36	NNW	2	ir	52	92	50	7	6	2	–	7-8	10	800	1	*
20	Valentia Obsy.	16·3	+30	N.	4	c	51	85	47	8	2	7	2	1	9	2200	1	4
	Roches Point	14·1	+10	NW W	4	c/r	55	97	54	8	6	2	–	4-6	9	1500	1	5

PAST 24 HOURS. WEATHER.

District	Stations (For heights see p. 4.)	7h.–13h. 12th... (39)	13h.–18h. 12th... (40)	18h. 12th to 1h. 13th (41)	1h.–7h. 13th (42)
1	London (Kew)	oid$_o$cm$_o$	cm$_o$mf	cfmow	cmow
	Croydon ...	od$_o$d$_o$of	bcfqobm$_o$	cm$_o$cmcf	cfcmw
	S. Farnborough	ofefm	opcm$_o$d$_o$m$_o$	cmoidoom	omwcm
	Boscombe Down	ofof	ofcmcm$_o$	cm$_o$	cm$_o$c
	Thorney Island	cfom$_o$cm$_o$	cm$_o$	cm	cm
	Lympne ...	cm	boczcm	omcm	cm$_o$cm2bc
	Manston ...	om$_o$c	cm$_o$	cm$_o$	cm$_o$
2	Shoeburyness ...	cmcm$_o$	cm$_o$	cm$_o$	cm$_o$
	Felixstowe ...	cm$_o$m	omcm$_o$	cm$_o$cm	cm$_o$cm
	Gorleston ...	cz$_o$	cz$_o$o	cz$_o$	o2
	Mildenhall ...	ofeodfcm	cm$_o$bcmbm	bmcfofef	cf
	Cranwell ...	Ff	cm	cm	cmcm$_o$
3	Birmingham ...	fcbcc	cz	cm	cz
	Upper Heyford	ofwofw	of	cfofcf	cfmcm$_o$
4	Ross-on-Wye	omcz	cz$_o$	cz$_o$	cm$_o$
5	Hartland Point	bccr$_o$c	cr$_o$idc	c	cdrrrr
	Bristol ...	cmwfbcm$_o$	cz$_o$ccz$_o$	cidcdodo$_o$cm$_o$m$_o$wm$_o$	
	Portland Bill ...	o	oc	ec	co
	Plymouth ...	cm$_o$c	cm$_o$	cm$_o$	cm$_o$
	The Lizard ...	cidc	cmzc	czoc	cidcf
	Scilly (St. Mary's)	c	c	cr$_o$idc	r$_o$r$_o$c
	Guernsey ...				
6	Pembroke ...	cq	cm$_o$q	cpfrrrmq	qr$_o$r$_o$ic
7	Holyhead (Valley)	c	c	crdrclm	cr$_o$dcm
	Chester (Sealand)	cmz$_o$	cz$_o$	czcm$_o$	r$_o$r$_o$rc
8	Manchester ...	cmwmz	cz	bcze	cm$_o$
10	Spurn Head ...	fp	ff	cf	cm
	Catterick (Sc.) ...	cf	bcm$_o$cm$_o$	cm	cmrfor$_o$r$_o$f
	Tynemouth ...	cm	cmbccm$_o$	cbcm$_o$	cmorr
11	St. Abbs Head	cm$_o$	cbc	cr$_o$c	omr$_o$
	Leuchars ...	cmyxxcm$_o$c	c	ccir$_o$	cir$_o$cm$_o$
12	Renfrew (Abbotsl.)	cmmbc	cir$_o$m$_o$crr$_o$	crrmoir$_o$cc	cbc
	Eskdalemuir ...	pr$_o$ir$_o$c	c	cr$_o$r$_o$f	f$_o$r$_o$r$_o$
	Point of Ayre ...	c	c	rrc	cir
13A	Tiree	cid$_o$r$_o$m	rm$_o$cm	cm$_o$bc	cbcw
13B	Stornoway ...	cir$_o$crr	cq RRYYAA	crrbcpebc	cbcbbc
15	Dalwhinnie ...	cir$_o$o	oir		oirob
	Aberdeen ...	cz$_o$	cz$_o$	cq$_r$o$_r$o	cr$_o$r$_o$cir$_o$
	Wick ...	c	c	cc$_r$r$_o$cid$_o$c	c
16	Sumburgh ...	c	c	r$_o$c	cr$_o$c
17	Blacksod Point	r	bc	bc	bc
18	Malin Head ...	r	r	bc	bc
	Aldergrove ...	c	r$_o$r$_o$m$_o$	c	cbcbwm$_o$f
19	Birr Castle ...	c	r	•	b
20	Valentia Obsy.	r	r	bc	pr
	Roches Point	c	r	r-	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 13th October

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

Light southerly or variable winds; cloudy with local slight drizzle later; moderate or poor visibility, with some fog tonight and tomorrow morning; rather warm.

Light southerly winds, veering northwest; cloudy, with local drizzle, becoming fair; moderate or poor visibility, with some fog tonight; rather warm today; moderate night temperature.

Light or moderate northerly winds, backing and moderating; drizzle and some hill fog in east at first, soon becoming fair generally, and fine tonight; rather cold today; moderate night temperature.

Light variable winds; rain and hill fog at first, becoming fine, with local fog tonight; rather cold.

Light or moderate southerly winds, freshening, with strong to gale winds later in northwest and north; fair at first, rain spreading from west later, with much hill fog; rather cold.

16 Orkneys and Shetlands	As 12-15
17 N.W. Ireland ↓	Light variable winds, becoming moderate or fresh later; fair at first; rain spreading from west later, but little or more in the southeast; some hill fog later; rather cold.
18 N.E. Ireland ↓	
19 S.E. Ireland	
20 S.W. Ireland	

GENERAL INFERENCE

A trough of low pressure is moving slowly east across England, and a ridge of high pressure over western districts of the British Isles will move southeast; a trough of low pressure is approaching from the Atlantic; weather will be mainly fair at first in Scotland and Ireland, with rain later; there will be local rain or drizzle in England at first, with some fog tonight especially in the East; strong to gale winds will occur later in the Northwest.

FURTHER OUTLOOK

Quiet conditions in the Southeast, with some fog; unsettled in the West and North, with some rain.

↓ Gale warning in operation in districts 13A, 13B, 17 and 15, 18 (parts of) issued 0410 G.M.T. 13th October 1943

Forecasts issued at 10-30

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

7h. Wednesday 13th October, 1943.

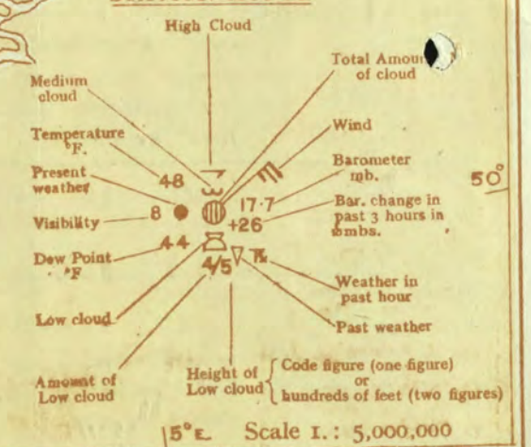
LOW

HIGH

1062 1064 1066 1068 1010 1012 1014 1016 1018 1020 1022

10° 5°W. 0° 5°E 10° 60° 55° 50°

STATION MODEL



Scale 1.: 5,000,000

Mb In.

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

Ps.523/4556. Wt.8091. D.4545. Gp.546/2. 7440. 10/43.

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.

Prontogenesis. 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 13th October
1943.

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.

Wednesday 13th October, 1943 — No. 29510.

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

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	*	*	*	*	*	55	*	*	*	*	*	*	*	*	*
	Croydon ...	290	21·3	-2	–	0	qf	54	92	53	3	5	–	–	9+	9+	2000
	S. Farnborough	226	20·3	-6	S'E	1	m	53	97	52	4	5	–	–	10	10	1600
	Boscombe Down	417	20·6	-2	S'W	1	Zo	52	92	50	5	5	–	–	7-8	10	2500
	Thorney Island	10	20·4	-2	–	0	m	55	97	54	4	5	–	–	9+	9+	3000
	Lympne ...	283	21·1	-6	SW	2	Zo	56	92	53	5	5	–	–	7-8	10	1000
	Manston ...	154	21·0	-2	S	1	Zo	56	92	53	5	5	–	–	10	10	4500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	20·8	+6	S'W	3	m	58	85	54	4	5	–	–	10	10	1500
	Gorleston ...	5	21·0	-4	SW	1	Zo	56	85	52	5	5	–	–	10	10	1500
	Mildenhall ...	15	19·9	-4	S'W	2	qf	55	97	54	2	5	–	–	10	10	1500
	Cranwell ...	203	19·5	-2	S'W	2	m	54	92	52	4	5	–	–	10	10	1500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·0	-2	SSW	1	qf	52	97	51	3	5	–	–	10	10	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·7	-2	S	4	c	56	85	51	7	5	2	–	7-8	9+	2500
	Bristol ...	209	19·4	-2	S	3	Zo	53	85	49	6	5	–	–	10	10	4000
	Portland Bill ...	32	19·5	-4	SW	2	c-bc	57	85	53	8	2	4	–	4-6	7-8	4000
	Plymouth ...	86	19·6	-2	SSW	3	Zo	57	92	55	6	5	–	–	9	10	1000
	The Lizard ...	240	19·2	0	S'W	5	c	57	97	57	7	5	–	–	10	10	1500
	Scilly (St. Mary's)	163	17·9	0	SW	4	ido	57	97	57	4	5	–	–	10	10	450
	Guernsey ...	175															
6	Pembroke ...	142	16·9	-4	SSW	4	rr	57	97	57	4	6	2	–	7-8	10	800
7	Holyhead (Valley)	32	16·6	+2	NNW	4	ic	53	97	53	5	6	2	–	10	10	500
	Chester (Sealand)	16	17·6	-2	SE'S	2	Zo	54	85	49	6	–	2	–	0	10	–
8	Manchester ...	230	17·8	0	S'W	3	c	54	75	47	7	5	–	–	9+	9+	4000
10	Spurn Head ...	29	19·3	-6	S'W	3	qf	53	97	51	3	7	–	–	9+	9+	2500
	Catterick (Sc) ...	192	17·9	+2	–	0	m	50	97	50	4	–	7	–	0	7-8	–
	Tynemouth ...	108	17·5	+6	SSW	3	Zo	53	85	49	6	2	3	–	4-6	4-6	2500
11	St. Abbs Head	280	14·6	+6	W	1	c/r	55	75	47	8	5	–	–	9+	9+	2500
	Leuchars ...	36	15·7	+24	W'S	3	ic	52	85	46	8	5	2	–	7-8	10	3500
12	Renfrew (Abbotsl.)	19	16·9	+24	SW'W	2	c	46	92	44	8	–	7	7	0	10	–
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	17·8	+28	N'N	4	c	52	85	47	8	6	2	–	4-6	10	2000
13A	Tiree	44	16·9	+18	SSW	1	c-bc	46	92	44	9	2	–	–	7-8	7-8	2000
13B	Stornoway ...	12	14·4	+22	SSW	3	b-bc	43	85	37	8	8	–	8	1	2-3	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	16·4	+38	N	1	c	47	92	45	9	–	2	–	9+	9+	4000
	Wick ...	114	15·6	+40	SW	1	c	45	92	43	9	5	7	–	1	10	4000
16	Sumburgh ..	19	13·0	+62	SW	4	c	50	75	42	8	5	–	–	9+	9+	3500
17	Blacksod Point	18	18·7	+12	SW	1	bc	47	85	43	8	8	–	–	4-6	4-6	2500
18	Malin Head ...	84	16·7	+10	–	0	bc	47	65	36	8	8	–	–	4-6	4-6	1500
	Aldergrove ...	268	18·5	+18	–	0	c	42	92	41	7	–	3	–	0	9+	–
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	20·8	+14	NNE	1	b	45	85	42	8	1	–	1	Tr	1	2500
	Roches Point	22	18·7	+18	NNW	5	bc	43	85	45	8	5	–	5	2-3	4-6	1500

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

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)	[illegible]	+4	SSE	1	Zo	54	97	53	5	5	–	–	10	10	4000	1	*
	Croydon ...	21·1	0	S'E	2	m	54	92	52	4	5	–	–	10	10	1500	0	*
	S. Farnborough	20·4	+4	SSE	2	Zo	53	92	52	5	5	–	–	9+	9+	3000	0	*
	Boscombe Down	20·0	0	SSE	1	c	52	92	51	7	5	7	–	7-8	10	3000	0	*
	Thorney Island	20·3	+2	–	0	m	54	97	52	4	6	–	–	9+	9+	2500	0	*
	Lympne ...	21·0	+2	S	2	Zo	55	85	52	5	5	–	–	9+	9+	2000	0	§ 1
	Manston ...	20·7	+2	S	2	Zo	55	92	52	5	5	–	–	9	9	5500	0	*
2	Shoeburyness ...	20·9	-2	S'W	1	Zo	55	97	54	5	5	–	–	10	10	1500	0	*
	Felixstowe ...	20·6	+2	WSW	1	m	56	97	55	4	5	3	–	7-8	9+	2500	0	1
	Gorleston ...	20·5	+2	WSW	2	m	56	97	54	4	5	–	–	10	10	1000	0	2
	Mildenhall ...	19·9	+2	S'W	2	cf	54	97	53	3	5	3	–	9+	10	2500	1	*
	Cranwell ...	19·0	+2	S	1	Zo	52	85	48	6	5	3	–	7-8	7-8	3000	1	*
3	Birmingham ...	19·2	0	SSE	2	Zo	52	85	48	6	–	7	–	0	10	–	1	*
	Upper Heyford	19·9	0	S	2	Zo	52	85	49	5	5	–	–	10	10	5000	0	*
4	Ross-on-Wye	18·4	-4	S	2	Zo	54	85	51	6	5	7	–	9	10	2000	1	*
5	Hartland Point	16·7	+4	SW	4	ir	57	97	57	6	5	2	–	7-8	10	1000	1	4
	Bristol ...	19·2	+2	S	2	c	55	85	50	7	5	7	–	7-8	9	4000	0	*
	Portland Bill ...	19·4	-4	SW	3	o	53	85	55	8	5	–	–	10	10	2500	1	2
	Plymouth ...	19·0	+2	SSW	4	dodo	58	97	57	6	5	–	–	9+	10	200	0	3
	The Lizard ...	17·3	-6	SW	5	qf	57	97	57	3	5	–	–	10	10	600	1	5
	Scilly (St. Mary's)	19·1	+4	NNW	4	c/r	53	97	53	7	5	2	–	7-8	10	1000	1	4
6	Pembroke ...	18·1	+22	N	4	cq	52	97	52	7	5	–	–	9+	9+	800	1	3
7	Holyhead (Valley)	18·6	+18	NNW	3	dodo	50	97	49	7	5	2	–	9+	10	800	1	1
	Chester (Sealand)	16·9	-2	SE	2	rr	53	97	51	6	–	2	–	10	10	2000	1	*
8	Manchester ...	17·7	+2	S'E	3	Zo	53	85	50	5	5	2	–	4-6	10	4000	1	*
10	Spurn Head ...	19·3	0	S'W	3	m	54	92	51	4	7	–	–	9+	9+	2500	0	3
	Catterick (Sc) ...	17·8	+2	SSE	1	rf	51	97	51	2	–	–	–	10	10	1150	1	*
	Tynemouth ...	18·3	+4	SW	3	rr	53	92	50	4	6	–	–	10	10	1000	1	2
11	St. Abbs Head	16·1	+4	N	1	rr	50	97	50	5	5	–	–	10	10	500	1	3
	Leuchars ...	18·0	+10	NW	1	c	49	85	44	7	5	7	–	4-6	10	3400	1	*
12	Renfrew (Abbotsl.)	18·6	+10	SW'W	1	bc	42	92	40	7	5	–	8	2-3	4-6	2500	1	*
	Eskdalemuir ...	17·8	+10	N	1	rc6	45	97	44	5	–	2	–	10	10	300	1	*
	Point of Ayre ...	17·6	+8	N'E	4	c/r	50	85	47	8	5	7	–	1	10	2000	1	3
13A	Tiree	18·3	+6	SW	1	b-bc	44	92	42	9	1	–	–	2-3	2-3	2500	1	1
13B	Stornoway ...	15·6	+2	SSW	3	bc	47	75	39	8	5	3	5	4-6	4-6	2800	1	2
15	Dalwhinnie ...	18·5	+10	SW	1	b	30	92	28	8	5	–	–	1	1	4000	1	*
	Aberdeen † ...	18·8	+10	–	0	ic	46	92	44	8	–	2	–	0	10	–	1	1
	Wick ...	17·9	+10	SW	1	c	43	92	41	8	–	7	7	0	10	–	1	*
16	Sumburgh ..	17·0	+14	S'W	2	c	49	75	42	8	2	7	–	Tr	9+	1500	1	3
17	Blacksod Point	19·0	0	SW	3	bc	49	75	42	8	8	–	–	4-6	4-6	2500	1	3
18	Malin Head ...	18·3	+10	SE	2	b-bc	43	75	36	8	4	–	–	2-3	2-3	1500	2	4
	Aldergrove ...	20·5	+16	–	0	bf+	37	92	33	3	–	–	–	0	0	–	1	*
19	Birr Castle ...	20·8	+14	ESE	1	b	32	97	31	8	–	–	–	0	0	–	1	*
20	Valentia Obsy.	21·9	+4	NE'E	2	c/r	39	97	38	8	5	–	–	1	1	3200	1	1
	Roches Point	21·4	+16	N'W	4	b	45	85	41	8	–	–	–	0	0	–	1	4

PAST 24 HOURS.

District	Stations	Temperatures. Max. Day 7h–18h °F. (33)	Temperatures. Min. Night 18h–7h °F (34)	Temperatures. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 12th Hrs. (38)
1	London (Kew)	59	54	51	Tr	–	0·0
	Croydon ...	62	54	51	Tr	–	9·0
	S. Farnborough	59	53	41	Tr	–	0·0
	Boscombe Down	60	48	48	–	–	0·0
	Thorney Island	62	53	51	–	–	*
	Lympne ...	*	52	41	–	–	1·0
	Manston ...	59	53	50	–	–	0·0
2	Shoeburyness ...	58	54	51	–	–	0·4
	Felixstowe ...	58	54	50	–	●	0·0
	Gorleston ...	58	55	48	–	–	0·6
	Mildenhall ...	61	52	49	Tr	Tr	0·9
	Cranwell ...	53	49	46	–	–	0·0
3	Birmingham ...	61	52	49	–	–	3·4
	Upper Heyford	54	51	48	–	–	*
4	Ross-on-Wye	61	53	50	–	–	0·3
5	Hartland Point	57	54	53	Tr	3	0·2
	Bristol ...	63	49	47	–	–	1·0
	Portland Bill ...	60	54	*	–	–	*
	Plymouth ...	59	55	53	–	Tr	0·1
	The Lizard ...	56	54	*	Tr	1	0·0
	Scilly (St. Mary's)	60	53	*	–	4	0·8
6	Pembroke ...	58	51	*	–	0·5	0·1
7	Holyhead (Valley)	61	49	49	–	12	*
	Chester (Sealand)	62	52	49	–	3	1·5
8	Manchester ...	61	53	48	–	–	*
10	Spurn Head ...	53	51	*	Tr	–	0·0
	Catterick (Sc) ...	60	50	44	–	0·5	3·0
	Tynemouth ...	61	52	49	–	0·2	*
11	St. Abbs Head	62	48	*	–	3	*
	Leuchars ...	60	49	46	–	0·4	0·7
12	Renfrew (Abbotsl.)	59	41	31	1	4	0·2
	Eskdalemuir ...	56	44	44	Tr	3	0·0
	Point of Ayre ...	59	49	*	–	3	0·0
13A	Tiree	55	39	31	8	Tr	0·0
13B	Stornoway ...	55	41	35	7	Tr	0·0
15	Dalwhinnie ...	54	30	23	1	2	0·0
	Aberdeen † ...	56	46	44	–	1	0·0
	Wick ...	56	43	37	–	–	*
16	Sumburgh ..	54	47	43	–	2	0·0
17	Blacksod Point	57	42	*	16	–	*
18	Malin Head ...	56	42		1	Tr	0·0
	Aldergrove ...	59	35	28	1	1	0·0
19	Birr Castle ...	58	31	27	2	0·3	0·0
20	Valentia Obsy.	58	38	32	12	Tr	0·0
	Roches Point	58	45		3	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 12th October 18h. G.M.T. — 01h. G.M.T. 13th October 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	02765	48623	57	61664	48668	57	02852	22325	57	02861	20317
115	52	02844	20227	52	64635	20368	23	02854	24524	54	01363	24323
203												
206	57	02865	16328	52	62754	51668	55	02863	24167	5-	01862	26124
210	57	02863	17427	57	02874	42528	07	02990	20226	57	01963	16114
219	62	64635	49768	63	22834	61665	10	01854	22314	23	01854	19414
230	52	02855	16358	62	64646	12468	85	01962	00026	50	01962	00022
245	52	02764	15427	57	05644	51527	57	22845	06467	57	02866	31228
260	47	05644	18626	57	05544	08827	5-	05555	22325	5-	05648	25228
276												
279	5-	02767	50527	54	02864	51626	52	52656	32258	02	54538	30358
285	23	01744	22515							--	67209	10469
288	00	17590	50524	54	05564	18414	53	05690	15215	07	08490	18327
575	57	61845	50668	67	02844	26266	00	04890	00003	00	04890	00000
301	57	05656	14427	5-	05657	16327	5-	05668	15228	02	64548	13268
321	00	05590	14340	5-	47358	12228	5-	45257	16247	5-	08466	16246
290	--	41809	22349	--	44309	20449	5-	05548	22228	5-	05946	22216
292	00	08490	14344	57	05637	18328	--	48209	16249	5-	43358	16248
310	--	04637	20417							--	05428	20418
614	50	08451	18211	52	08457	16128	57	08446	20227	5-	05567	18227

13h. G.M.T. 12th October 18h. G.M.T. — 01h. G.M.T. 13th October 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	53	21645	16658	52	02756	17528	52	52516	17468	52	52635	31368
334				--	02646	26217				--	25437	22288
340	5-	02757	18528	5-	05658	20328				57	61555	15328
136	5-	05518	17248	53	08455	14127	5-	43338	15148	5-	43337	20247
330	57	02756	20328							62	62426	20368
350	5-	42428	14148	5-	08438	14228				5-	05566	16227
368				5-	05657	22427	57	05656	20328			
379	--	44209	16249	5-	48209	14249	57	05645	20248	57	05557	16228
390	5-	41444	20144	--	46209	00049	5-	45348	18148	5-	43347	16247
382	--	46309	16249	5-	47344	00047	5-	05668	21148	5-	05668	12128
438	5-	08448	14238				5-	05638	22218	5-	05657	26227
430	5-	05558	13228	53	05555	18127	5-	08468	00028	5-	05658	00028
409	5-	51648	16358	5-	05646	15458	5-	05634	15428	5-	57308	24368

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 October,
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	oidocMo	CMomf	cfmow
Croydon ...	ododo of	bcfgdbMo	cfcmw
Greenwich ...	CMo	CMo	CMo
Camden Square	o	o	*
Kensington ...	omecm	Cz	*
Hampstead ...	of	of	o

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0·3 Time 19·20h 12th. Min. 0·1 Time 0·5h 13th.

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	59	54	51	Tr	–	0·0	*	*
Croydon ...	62	54	51	Tr	–	9·0	*	*
Greenwich ...	61	53	49	–	–	0·0	78	89
Westminster ...	60	53	52	–	–		82	90
Regents Park ...	59	51	51	–	–		76	81
Camden Square	58	52	60	–	–	*	*	78
Kensington ...	59	54	51	–	–		91	87
Hampstead ...	57	52	48	–	–		*	92

SECRET

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

BRITISH SECTION

Thursday 14th October 1943

No. 25911

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (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)	19·9	−6	SW	2	c	60	65	49	7	7	7	6	4-6	9+	4000
	Croydon ...	20·8	−8	S'W	2	c	62	65	49	7	7	–	6	4-6	9+	3000
	S. Farnborough	19·8	−10	SW	2	z$_0$	61	65	51	6	5	–	–	9+	9+	2000
	Boscombe Down	19·8	−6	SSW	3	id$_0$	58	85	54	7	5	–	–	10	10	2000
	Thorney Island	20·2	+2	SW	2	c	60	75	51	7	5	–	–	10	10	3000
	Lympne ...	20·7	−18	W	2	z$_0$	59	75	50	5	5	–	–	10	10	4300
	Manston ...	20·6	−8	NW'W	2	z$_0$	58	75	51	5	5	–	–	10	10	5000
2	Shoeburyness ...	20·6	0	S	1	z$_0$	59	75	53	5	5	–	–	10	10	2500
	Sixstowe ...	20·6	−2	SW'S	2	z$_0$	59	85	54	5	5	–	–	10	10	2500
	Orfordness ...	22·2	−6	SSE	1	z$_0$	61	75	56	6	5	–	–	9+	9+	1500
	Mildenhall ...	19·5	+8	SSW	2	c	65	55	50	7	1	3	6	4-6	9	3300
	Cranwell ...	18·9	−2	SSW	3	c	60	75	50	7	5	7	–	2-3	10	4000
3	Birmingham ...	18·9	0	SSW	2	id$_0$	55	97	54	4	6	–	–	10	10	1500
	Upper Heyford	19·4	−4	SSW	3	z$_0$	59	75	51	6	5	–	–	7-8	10	2200
4	Ross-on-Wye	18·4	0	SW	2	dd	57	97	56	5	5	–	–	10	10	800
5	Hartland Point	20·1	+4	NW	3	c	55	85	50	8	2	6	–	4-6	10	1400
	Bristol ...	19·2	−2	SSW	2	c/d	59	85	55	6	5	2	–	9	10	1500
	Portland Bill ...	19·2	−2	SW	3	c	58	85	55	7	5	–	–	10	10	2500
	Plymouth ...	19·8	+4	NW	3	c	58	85	54	8	5	7	–	7-8	10	2000
	The Lizard ...	19·0	+4	NNW	3	c	56	92	54	7	5	3	–	7-8	9+	1500
	Scilly (St. Mary's)	21·5	+6	N	4	c-bc	56	75	48	8	1	6	–	4-6	7-8	1200
	Guernsey ...															
6	Pembroke ...	20·7	+8	N	3	c-bc	55	75	47	8	1	4	–	4-6	7-8	2500
7	Holyhead (Valley)	20·7	+10	NW'N	4	bc	53	65	44	8	2	–	–	4-6	4-6	2500
	Chester (Sealand)	19·4	+6	NW'N	4	c	54	75	47	8	7	7	–	4-6	9+	3000
8	Manchester ...	18·9	+10	WNW	3	z$_0$	51	92	50	5	5	–	–	10	10	1500
10	Spurn Head ...	19·1	−2	S'W	3	z$_0$	53	75	50	6	5	–	–	9+	9+	2500
	Catterick (Sc.) ...	18·0	+2	—	0	m/f	52	97	52	4	5	–	–	7-8	10	1600
	Tynemouth ...	18·5	+4	N	3	o/r	50	97	50	7	–	2	–	10	10	1000
11	St. Abbs Head	17·9	+10	NW	2	c/d	47	97	47	7	5	2	–	7-8	10	2000
	Leuchars ...	18·3	0	NW	2	b-bc	55	55	38	9	1	3	–	4-6	4-6	3000
12	Renfrew (Abbotsl.)	19·0	+2	W'S	2	bc	56	65	45	9	1	–	–	4-6	4-6	1800
	Eskdalemuir ...	18·2	+2	N	1	bc	52	75	44	7	18	4	–	4-6	4-6	1800
	Point of Ayre ...	19·7	+6	N	4	b	55	65	43	8	1	–	–	1	1	3000
13A	Tiree	17·9	−2	S'W	4	bc	54	92	52	9	2	–	–	4-6	4-6	2500
13B	Stornoway ...	14·8	−2	SSW	6	c-bc	54	65	43	8	4	6	–	7-8	7-8	2800
15	Dalwhinnie ...	18·0	0	SW	3	b-bc	51	55	34	8	1	–	5	Tr	2-3	4000
	Aberdeen ...	17·8	−4	—	0	c	53	75	45	8	5	–	–	7-8	9	4000
	Wick ...	17·1	−6	SSW	3	b-bc	54	55	37	9	1	4	8	1	2-3	2000
16	Sumburgh ...	16·3	−4	SSW	3	bc	52	75	44	8	1	–	5	2-3	4-6	2000
17	Blacksod Point	19·5	−2	SSW	4	bc	56	65	44	8	8	–	–	4-6	4-6	2500
18	Malin Head ...	18·3	−4	SW	3	b-bc	54	65	43	8	1	–	–	2-3	2-3	1500
	Aldergrove ...	20·4	0	SW'W	3	b-bc	54	65	42	8	1	–	–	2-3	2-3	2500
19	Birr Castle ...	21·3	−2	W	2	bc	56	65	44	8	4	–	–	4-6	4-6	1500
20	Valentia Obsy.	22·3	−6	W	3	b-bc	55	65	44	9	2	–	–	2-3	2-3	2800
	Roches Point	22·8	0	N'W	1	b-bc	55	75	47	8	2	–	–	2-3	2-3	2500

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

Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. 0–12 Force (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)
20·4	+8	SW	3	id$_0$	57	85	53	6	5	3	–	9	10	2500	1	*
21·1	+4	SSW	2	z$_0$	59	75	52	5	5	7	–	7-8	10	3500	0	*
20·4	+6	S'E	1	z$_0$	58	85	53	6	5	–	–	10	10	2500	0	*
20·0	+6	WNW	3	dd	54	97	54	4	5	–	–	4-6	10	300	1	*
20·4	+4	SSW	1	z$_0$	59	92	56	6	5	7	–	9	10	3500	0	*
21·0	+2	WSW	2	z$_0$	55	85	52	6	5	–	–	10	10	3000	0	*
20·8	+2	–	0	c	54	85	49	6	5	3	7	4-6	10	4300	0	*
19·9	+2	SSE	1	z$_0$	57	85	53	6	5	3	–	9	10	4000	1	*
20·7	+10	SSW	1	z$_0$	56	85	52	6	5	–	–	10	10	5700	0	1
20·2	+6	–	0	z$_0$	56	92	54	4	5	7	–	7-8	9	1500	0	2
20·1	+6	–	0	z$_0$	58	85	55	5	5	–	–	10	10	4500	0	*
19·7	+10	SW	2	d$_0$d$_0$	55	97	55	4	–	2	–	10	10	800	0	*
21·0	+10	NNW	3	m/r	50	85	46	4	6	2	–	9+	10	800	1	*
19·5	−2	SSW	1	o/f	55	97	55	3	–	2	–	10	10	800	1	*
20·3	+14	NE	2	c	52	92	49	6	5	–	–	9+	9+	1500	1	*
21·5	+10	N	3	b-bc	54	75	47	8	1	–	–	2-3	2-3	2000	1	4
20·1	+12	N	2	d$_0$d$_0$	55	85	51	6	5	2	–	9	10	1500	0	*
19·0	+2	N	2	dd	57	92	55	7	5	–	–	10	10	2500	1	3
21·5	+14	NNW	3	b-bc	54	85	50	7	5	–	2	1	2-3	3000	1	2
22·0	+10	N	3	bc	51	85	48	8	7	3	–	4-6	4-6	2500	1	4
22·8	+10	N	4	bc	52	75	44	8	7	4	5	4-6	4-6	1500	1	4
22·7	+10	N	3	b-bc	47	65	39	8	1	–	–	2-3	2-3	3000	1	2
22·3	+12	NW	1	b	47	85	41	8	5	–	–	Tr	Tr	3000	1	*
21·4	+2	NW'N	1	z$_0$	48	85	43	6	4	4	–	2-3	2-3	3000	0	*
21·0	+16	NNW	2	z$_0$	48	85	42	6	5	–	–	4-6	4-6	3000	1	*
19·7	+6	SW	2	z$_0$	57	85	53	6	5	–	–	10	10	1500	0	1
20·3	+12	–	0	z$_0$	55	97	55	6	5	7	–	7-8	10	1500	1	*
20·8	+16	N	3	c/r	50	92	48	6	8	–	–	9	10	1500	1	2
18·8	+4	W	2	bc	50	75	41	7	5	4	–	2-3	4-6	3500	0	3
18·8	+8	WSW	2	b-bc	41	85	47	8	–	–	8	0	2-3	–	1	*
19·9	+10	WSW	2	b-bc	48	85	42	8	4	4	–	2-3	2-3	3000	1	*
20·6	+12	NW	2	b-bc	42	75	35	8	–	4	–	0	2-3	–	1	*
21·0	+8	NW'N	2	b	51	65	38	8	1	–	–	Tr	Tr	3000	0	2
18·2	+4	SW	4	c	53	92	51	8	5	7	–	2-3	9+	2000	1	3
14·2	−2	SSW	6	ir$_0$	52	85	48	6	5	2	–	9+	10	1800	0	5
18·7	+6	S	2	b	40	85	35	8	1	–	–	1	1	4000	0	*
19·0	+10	S	1	b	49	85	44	7	5	–	–	Tr	Tr	4000	1	*
17·6	+6	S'W	2	b-bc	49	75	42	8	–	4	5	0	2-3	–	0	*
16·5	+2	SSW	3	b-bc	50	65	39	9	–	4	5	0	2-3	–	0	2
18·9	−2	SW'S	5	bc	54	85	50	8	8	–	–	4-6	4-6	2500	1	4
18·5	+2	S'W	3	c-bc	52	65	41	8	5	7	–	4-6	7-8	1500	1	3
21·0	+6	SSE	1	b	46	75	40	8	5	–	–	Tr	Tr	2500	1	*
21·3	+2	S	1	b-bc	49	85	45	8	–	4	–	0	2-3	–	1	*
22·6	+2	SSW	3	b-bc	51	85	47	9	5	–	–	2-3	2-3	3000	1	2
22·9	0	SW'W	2	b	53	85	49	8	5	–	–	1	1	2500	1	3

PAST 24 HOURS.

Weather. 7h.–13h. 13th. (39)	Weather. 13h.–18h. 13th. (40)	Weather. 18h. 13th.–1h. 14th. (41)	Weather. 1h.–7h. 14th. (42)
cm$_0$cw	cid$_0$m$_0$	cd$_0$r$_0$r$_0$	r$_0$c$_0$r$_0$s$_0$m$_0$
cm$_0$r$_0$z$_0$c	cc$_2$$_0$	cm$_0$d$_0$d$_0$m	od$_0$d$_0$m$_0$
cm$_0$	cm$_0$	cm$_0$r$_0$m$_0$dd$_0$i$_0$	cm$_0$d$_0$f
ccid$_0$	cid$_0$d$_0$m$_0$	cd$_0$d$_0$m$_0$	cm$_0$
cm$_0$c	cm$_0$	cd$_0$d$_0$m$_0$	cm$_0$w
cm$_0$	cz$_0$	cm$_0$w	cm$_0$w$_0$cm$_0$
cz$_0$	cz$_0$m$_0$	cz$_0$m$_0$	cm$_0$
cid$_0$m$_0$m$_0$	cm$_0$		cm$_0$
cm$_0$m$_0$	cm$_0$	cm$_0$	d$_0$f$_0$e
cz$_0$	cz$_0$	cz$_0$	cz$_0$w
c$_0$f$_0$c	ccm$_0$	cm$_0$	cm$_0$
cm$_0$c	ccm$_0$d$_0$	id$_0$m$_0$m$_0$f	cf$_0$d$_0$d$_0$f
co	pmdr$_0$r$_0$	oc	coz
cm$_0$	cm$_0$ir$_0$d$_0$	d$_0$d$_0$m$_0$	d$_0$d$_0$m$_0$f
com$_0$o	ddod$_0$c	c	c
r$_0$r$_0$dc	bc	bc	bbc
ccm$_0$cid$_0$	cm$_0$d$_0$d$_0$	cm$_0$cw	cw$_0$bcw$_0$m$_0$
o	odd	c	c
dd$_0$m$_0$c	cb	bcb	bw$_0$bm$_0$
of$_0$id$_0$c	cbc	bcw	bc
c	cbc	bcb	bbc
c	bc	bw	bcw
odd$_0$bc	bcb	pbjfw	b$_0$cbcw
orrd$_0$d$_0$	c$_0$bc	bm$_0$m$_0$	bmff$_x$
dfrm$_0$	cm$_0$cb2$_0$	bcm$_0$bfe	bofefe
em	om$_0$	om$_0$	od$_0$d$_0$
or$_0$r$_0$f	cmcir$_0$c	bcm$_0$bm$_0$	bm$_0$pf
orrff$_0$r$_0$m$_0$	oir$_0$m$_0$	bmm$_0$	bbcff
drrm$_0$cd$_0$m$_0$	cbcm$_0$	bm$_0$b	b
cbcw	bcybyb	bcm$_0$w	bcm$_0$w$_0$cm$_0$x
bcbm$_0$bc	bc	bcm$_0$bm$_0$x	bmxbmxf
or$_0$d$_0$cbc	bc	bcb	bcex
cbcb	b	bw	bw
cvbc	bc	c$_0$d$_0$d$_0$c	c
bcbbcc	cciro	cir$_0$m$_0$cpr$_0$	cpr$_0$bcc
by	b		b,c
c	cbcb	bbx	bx
cbcb	bcy	bbc	bbc
cbc	bcb	b	bcn$_0$bc
bc	bc	c	c
bc	bc	bc	c
bm$_0$b	bylb	bbcw	bcwbw
bc	bc		bc
bc	pr	pr	bc
b	b	b	b

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

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

Light variable winds; fairly general very low cloud and fog, with occasional drizzle; muggy.

Light variable winds; cloudy; with some bright intervals, local drizzle in east, fairly general fog tonight and tomorrow morning; rather warm; moderate night temperature.

As 1.

Light variable winds, fair, rather cold.

As 1

As 5-8.

Moderate or fresh south to southwest winds, strong to gale in northwest; fair at first, occasional rain later in west and north; 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 or fresh south to southwest winds; fair at first; occasional rain in northwest later; rather cold.

GENERAL INFERENCE

Pressure is low to the northwest of the British Isles, and a weak ridge of high pressure lies from northeast to southwest England. A feeble trough of low pressure covers the Midlands. Over much of England weather will be dull, with fairly general very low cloud, fog and local drizzle. Elsewhere there will be variable cloud with local rain later in the north and west. Strong to gale winds will occur in the northwest.

FURTHER OUTLOOK

Quiet and dull over most of England; cloudy in Scotland, Ireland and Wales, with bright intervals, but local rain in west and north.

Gale warning in operation in districts 13B and 15 (part of). issued at 0410 G.M.T. 13.10.43.

Forecasts issued at 10-30

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

7h. Thursday 14th October 1943.

LOW

HIGH

HIGH

1022

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F.

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in mbs.

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

Scale 1.: 5,000,000

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

Ps.523/4556. Wt.8091. D.w545. Gp.546/2. 7440. 10/43.

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 14th October

1943.

Clarke 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 14th October, 1943 — No. 2911

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	56	*	*	*	*	*	*	*	*	*
	Croydon ...	290	21·2	-2	$	1	d_0d_0	54	87	54	4	5	–	–	10	10	1000
	S. Farnborough	226	20·2	0	W'N	2	d_0	52	87	51	4	5	–	–	10	10	1400
	Boscombe Down	417	20·7	+2	N	3	z_0	49	85	45	5	5	2	–	7-8	10	1000
	Thorney Island	10	20·1	+2	W	1	z_0	55	87	55	5	5	–	–	10	10	4500
	Lympne ...	283	21·1	-2	–	0	z_0	53	87	52	6	5	–	–	10	10	5100
	Manston ...	154	20·6	-2	–	0	z_0	54	85	51	6	5	2	–	4-6	10	4400
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	20·4	-2	S'E	2	z_0	57	85	54	6	5	–	–	2+	2+	4000
	Gorleston ...	5	20·8	+6	–	0	z_0	55	75	51	5	5	–	–	2+	2+	800
	Mildenhall ...	15	20·4	0	–	0	z_0	53	87	52	5	5	–	–	10	10	2500
	Cranwell ...	203	20·7	-10	N'E	1	f+	51	97	51	3	–	–	–	10	10	<150
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·7	0	NNW	3	d_0d_0	47	87	46	4	–	2	–	10	10	500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·7	0	NE	3	b-bc	51	75	43	8	1	4	–	Tr	2-3	2500
	Bristol ...	209	21·6	0	N	1	c-bc	47	85	43	7	5	–	–	7-8	7-8	6000
	Portland Bill ...	32	20·8	+4	N	2	c-bc	52	92	50	7	5	–	–	7-8	7-8	4000
	Plymouth ...	86	21·8	-6	NNW	1	b	45	92	43	7	5	–	–	Tr	Tr	4000
	The Lizard ...	240	22·4	0	NNE	3	b-bc	47	85	42	8	4	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	23·0	-2	N	2	b	49	75	40	8	–	–	3	0	1	–
	Guernsey ...	175															
6	Pembroke ...	142	22·8	-2	N'E	1	b-bc	47	75	41	8	–	4	–	0	2-3	–
7	Holyhead (Valley)	32	22·5	0	–	0	b	39	92	36	8	5	–	–	Tr	Tr	4000
	Chester (Sealand)	16	22·2	+2	–	0	m	37	92	35	4	–	–	–	[illegible]	0	–
8	Manchester ...	230	21·7	-2	–	0	bF+	40	92	38	0	–	–	–	[illegible]	0	–
10	Spurn Head ...	29	20·6	0	N	3	z_0	53	87	52	6	5	1	–	10	10	1500
	Catterick (Sc.)...	192	21·9	0	WNW	1	z_0	37	87	37	5	–	–	–	0	0	–
	Tynemouth ...	108	21·8	0	NW	2	z_0	43	92	40	5	–	–	–	0	0	–
11	St. Abbs Head	280	15·7	0	W	2	b-bc	43	75	41	7	5	–	–	2-3	2-3	4000
	Leuchars ...	36	20·1	-2	WSW	1	z_0	40	92	38	6	–	–	8	0	2-3	–
12	Renfrew (Abbotsl.)	19	20·5	0	–	0	m	38	87	38	4	–	3	1	0	1	–
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	21·3	0	SW'W	2	b	40	92	38	8	1	–	–	Tr	Tr	3000
13A	Tiree	44	16·9	-6	SSW	4	c-bc	53	87	52	8	5	3	–	4-6	7-8	2500
13B	Stornoway ...	12	12·7	-10	SSW	7	c/pr	53	92	51	7	9	–	–	2+	2+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	19·2	-2	WSW	1	fg	32	92	31	8	–	–	–	0	0	–
	Wick ...	114	16·9	+6	SSW	4	c	50	75	42	8	5	4	–	9	2+	5000
16	Sumburgh ..	19	16·4	0	S	4	b	50	85	46	9	5	–	–	0	1	–
17	Blacksod Point	18	18·0	-6	SW'S	5	c	55	85	50	8	8	–	–	2+	2+	2500
18	Malin Head ...	84	17·6	-6	S'W	4	c-bc	47	85	43	8	5	5	–	2-3	7-8	1500
	Aldergrove ...	268	20·7	-2	S	2	bc	44	85	40	7	–	3	–	0	4-6	–
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	22·0	-6	S	3	b-bc	51	85	46	9	1	6	–	2-3	2-3	2500
	Roches Point	22	23·0	0	N	1	b	44	87	43	8	–	–	–	0	0	–

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

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)	19·8	+4	W	1	o/r	54	87	53	4	5	–	–	10	10	1500	1	*
	Croydon ...	20·7	+2	S	1	dd	55	87	54	4	5	–	–	10	10	1000	1	*
	S. Farnborough	20·5	+4	WNW	2	oF+	49	87	49	1	5	–	–	10	10	400	1	*
	Boscombe Down	20·8	+4	NNW	2	z_0	47	87	46	5	5	–	–	10	10	800	1	*
	Thorney Island	20·1	+4	W'N	2	m	51	87	51	4	5	–	–	4-6	10	800	1	*
	Lympne ...	21·0	+4	SW	1	z_0	55	85	52	6	5	2	–	2+	10	1000	0	1
	Manston ...	20·5	+2	SSE	1	z_0	53	92	51	6	5	2	2	1	2+	4000	0	*
2	Shoeburyness ...	20·9	+4	SE	1	z_0	56	82	54	6	–	2	–	0	2	–	0	*
	Felixstowe ...	20·6	+6	NNW	1	m	49	87	49	4	5	2	0	4-6	7-8	5700	1	0
	Gorleston ...	20·6	+2	N'W	1	z_0	51	92	49	5	5	2	–	7-8	2	1800	0	2
	Mildenhall ...	20·8	+10	–	0	z_0	53	87	52	5	5	2	–	7-8	2+	2500	0	*
	Cranwell ...	20·9	+4	NE	1	f-	50	87	50	3	–	–	–	10	10	<150	1	*
3	Birmingham ...	22·0	+4	NNW	2	z_0	45	35	41	5	5	–	–	10	10	800	1	*
	Upper Heyford	20·5	+2	N'W	3	d+	48	87	48	3	–	–	–	10	10	<150	1	*
4	Ross-on-Wye	24·1	+4	W	1	bc	41	92	39	8	5	–	–	4-6	4-6	3000	1	*
5	Hartland Point	21·7	0	N	3	b-bc	51	85	45	8	1	–	–	2-3	2-3	3000	0	4
	Bristol ...	22·3	+8	NNW	1	z_0	44	85	39	6	5	–	–	7-8	7-8	6000	0	*
	Portland Bill ...	20·5	+6	N	2	c	50	92	48	7	5	–	–	10	10	4000	1	3
	Plymouth ...	22·2	+2	SE	1	z_p	42	87	42	6	–	4	–	0	1	–	0	1
	The Lizard ...	22·3	+2	N	2	b-bc	46	85	42	8	4	–	–	2-3	2-3	3000	0	3
	Scilly (St. Mary's)	22·6	-2	N	1	bc	49	75	40	8	1	–	–	4-6	4-6	2000	1	2
	Guernsey ...																	
6	Pembroke ...	22·2	0	NE'E	5	b-bc	46	87	46	8	1	4	–	2-3	2-3	2500	0	2
7	Holyhead (Valley)	22·3	+2	E'S	1	b-bc	39	92	38	9	4	–	–	2-3	2-3	3000	1	*
	Chester (Sealand)	22·1	+2	–	0	bf	34	87	33	3	–	4	–	0	1	–	0	*
8	Manchester ...	22·3	+2	–	0	F	36	87	36	0	–	–	–	10	10	<150	1	*
10	Spurn Head ...	21·2	+4	N'E	4	d_0d_0	55	85	51	6	5	–	–	10	10	1500	1	3
	Catterick (Sc.)...	22·8	+4	–	0	z_0	33	87	33	6	–	3	–	0	1	–	1	*
	Tynemouth ...	21·8	0	WSW	3	b-bcf	40	85	37	3	–	4	1	0	2-3	–	1	2
11	St. Abbs Head	19·4	-2	SW	3	b-bc	41	85	37	8	4	–	–	2-3	2-3	3500	0	3
	Leuchars ...	20·0	+4	SSW	1	z_0	40	92	39	6	–	–	7	0	10	–	1	*
12	Renfrew (Abbotsl.)	19·4	-2	NNE	1	m	40	87	39	4	5	7	–	7-8	7-8	1400	1	*
	Eskdalemuir ...	22·1	0	–	0	c-bc	39	92	28	7	5	4	–	7-8	7-8	1500	1	*
	Point of Ayre...	20·7	0	SW'W	2	b	41	92	37	8	1	4	–	Tr	Tr	3000	0	2
13A	Tiree	15·3	-6	SSW	5	c	53	87	53	8	5	–	–	9	9	3000	1	3
13B	Stornoway ...	10·8	-4	SSW	6	c	53	85	49	7	9	6	9	7-8	2+	1800	1	4
15	Dalwhinnie ...	17·0	-4	SSW	3	c	45	85	39	7	5	7	–	7-8	2+	1500	0	*
	Aberdeen † ...	18·9	+2	NSW	1	bc	38	92	35	7	–	–	2	0	4-6	–	1	1
	Wick ...	14·7	-20	S	4	bc	49	75	44	8	5	4	1	4-6	4-6	3000	0	*
16	Sumburgh ..	15·6	+2	S'W	4	bc	51	85	45	8	5	–	5	4-6	4-6	4000	1	3
17	Blacksod Point	16·4	-6	SW'S	8	c	55	75	48	8	8	–	–	2+	2+	2500	1	3
18	Malin Head ...	16·2	+2	SSW	2	c	50	85	46	8	5	–	–	2+	2+	1500	1	3
	Aldergrove ...	20·0	0	SSE	3	b-bc	44	92	42	7	5	–	–	2-3	2-3	1500	1	*
19	Birr Castle ...	20·3	0	SE	1	b-bc	41	92	39	8	–	4	–	0	2-3	–	1	*
20	Valentia Obsy.	20·5	-2	S	3	b-bc	50	92	48	8	7	–	–	2-3	2-3	4000	1	2
	Roches Point	21·6	-2	N	2	m	43	87	42	4	5	–	–	2-3	2-3	2500	1	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 13th Hrs. (38)
1	London (Kew)	62	54	53	Tr	5	0·1
	Croydon ...	63	54	53	–	2	0·6
	S. Farnborough	61	49	49	–	1	0·2
	Boscombe Down	58	47	47	0·6	0·1	0·0
	Thorney Island	60	51	50	–	0·4	*
	Lympne ...	*	52	45	–	–	0·3
	Manston ...	60	50	45	–	–	0·1
2	Shoeburyness ...	60	54	52	–	–	0·2
	Felixstowe ...	61	43	50	–	T	0·4
	Gorleston ...	61	50	42	–	–	0·1
	Mildenhall ...	66	52	43	–	–	2·2
	Cranwell ...	67	48	48	–	4	6·5
3	Birmingham ...	56	44	42	1	–	0·0
	Upper Heyford	60	46	46	0·1	3	*
4	Ross-on-Wye	58	41	33	0·2	–	0·0
5	Hartland Point	57	50	46	3	–	2·7
	Bristol ...	59	42	37	0·1	Tr	0·0
	Portland Bill ...	59	48	*	Tr	–	*
	Plymouth ...	59	41	29	1	–	1·5
	The Lizard ...	59	45	*	0·4	–	2·6
	Scilly (St. Mary's)	57	47	*	–	–	6·1
	Guernsey ...						
6	Pembroke ...	56	45	*	Tr	–	4·8
7	Holyhead (Valley)	57	37	29	0·1	–	*
	Chester (Sealand)	56	33	22	3	–	2·4
8	Manchester ...	54	34	31	0·1	–	*
10	Spurn Head ...	60	47	*	–	1	0·0
	Catterick (Sc.)...	55	33	30	3	Tr	0·6
	Tynemouth ...	54	40	38	6	–	*
11	St. Abbs Head	51	40	*	4	–	*
	Leuchars ...	56	37	28	–	–	4·5
12	Renfrew (Abbotsl.)	57	35	28	–	0·2	8·3
	Eskdalemuir ...	54	26	18	1	–	5·1
	Point of Ayre...	56	39	*	–	–	8·5
13A	Tiree	55	51	49	–	Tr	7·0
13B	Stornoway ...	55	50	49	Tr	3	3·2
15	Dalwhinnie ...	51	37	29	–	–	8·2
	Aberdeen † ...	57	33	25	–	–	3·4
	Wick ...	55	47	41	–	–	*
16	Sumburgh ..	53	49	49	–	Tr	4·6
17	Blacksod Point	57	53	*	–	Tr	*
18	Malin Head ...	55	47		–	–	7·9
	Aldergrove ...	55	41	33	–	0·2	8·6
19	Birr Castle ...	57	39	34	–	–	7·1
20	Valentia Obsy.	56	43	44	Tr	Tr	5·9
	Roches Point	56	48		–	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 13th October 18h. G.M.T. — 01h. G.M.T. 14th October 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	10	01861	17303	57	01852	17403	53	02863	16425	57	01863	16424
115	24	02964	53524	57	02844	53527	57	02854	53527	52	61845	20468
203				5-	02848	16628						
206	16	01963	18413	54	01961	14401	04	01880	20224	57	02855	20227
210	17	01962	22313	10	01961	16213	04	01880	16302	54	01863	18414
219	73	02863	18516	5-	61758	18618	57	05646	18668	57	02755	16627
230	50	02864	22205	8-	01854	20124	5-	02857	00027	57	51857	14158
245	17	01961	22123	00	01990	18111	00	00790	22100	00	01790	22101
260				50	08453	20213	00	05690	28100	00	05690	28100
278												
279	14	01853	28113	40	01861	30111	00	00890	04100	54	01853	04143
285	22	05625	32228							13	00861	32202
288	02	67348	12368	52	57335	01368	00	43390	17140	04	49790	17141
575	10	01863	18313	44	01873	16124	53	02864	18327	57	02855	53428
301	14	01851	28324	03	01890	28312	00	47290	00000	00	47190	08140
321	57	05664	18368	57	08444	26267	5-	05548	30228	57	05545	32228
299	53	08544	18215	5-	05548	22128	5-	03748	30328	5-	05647	30327
292	52	22457	00068	5-	51538	28368	04	45390	00053	04	05690	28143
310	–	57109	20359	--	01632	24312				20	01643	26313
614	52	05654	18328	52	08446	28158	02	08490	32128	5-	41448	02248

13h. G.M.T. 13th October 18h. G.M.T. — 01h. G.M.T. 14th October 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	16	01864	30314	40	01861	32211	00	00890	00000	04	61890	00012
334	--	02646	26217	--	01742	26213				--	04309	00028
340	52	02645	32228				04	08490	28101	50	04563	28113
136	10	05661	16227	5-	05668	19228	5-	05568	00028	5-	05577	06127
336	57	02754	28328	57	02753	28326				50	05553	32213
350	57	02764	18227				5+	67248	32158	5-	67118	24168
368	83	02754	26355	57	01753	30213	03	02790	24124	50	01863	02113
379	50	05636	20428	02	52418	80488	5-	08438	02358	--	51209	30389
390	5-	08446	18226	5-	08468	18128	5-	41458	16148	5-	57348	12148
382	57	02743	18327	5-	51648	18158	07	51590	21248	5-	57338	31258
438	5-	02657	21327	52	05658	22128	--	48009	14259	--	67109	18449
430	57	02767	20228	5-	05658	18128	5-	05538	20128	5-	09408	23148
409	5-	10745	31465	50	01944	31324	04	01890	01202	44	01853	04114

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 14th October,
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 ...	cmcw	cidcmo	cdcgcmo	Kew 24 hours ended 7h. Max. Time
Croydon ...	cmczc	cczo	cmodcm	mon 13th 0·2 17-21h
Greenwich ...	c	c⊕c	crrdrm	Mid 13th 14th <0·1 1-6h
Camden Square	c	c	*	
Kensington ...	czc	c	*	
Hampstead ...	obc	or	orm	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	62	54	53	Tr	5	0·1	*	*
Croydon ...	63	54	53	–	2	0·6	*	*
Greenwich ...	63	53	53	–	9	0·2	64	97
Westminster ...	62	55	54	· 7			77	95
Regents Park ...	62	54	53	–	7		71	97
Camden Square	63	54	54	–	6	*	*	85
Kensington ...	63	55	53	–	6		75	98
Hampstead ...	61	52	51	–	7		*	97

SECRET

Page 1

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

Friday 15th October 1943 — No. 29912

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

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)	19·9	−8	–	0	of-	56	97	55	3	5	–	–	10	10	5700
	Croydon ...	20·3	−2	–	0	of	56	97	55	3	5	–	–	10	10	800
	S. Farnborough	19·7	−10	WSW	1	zo	55	85	52	6	5	3	–	7-8	7-8	1000
	Boscombe Down	20·4	−6	NNW	2	m	50	92	49	4	5	–	–	10	10	400
	Thorney Island	20·0	−6	WNW	1	zo	57	75	49	6	5	–	–	7-8	7-8	1500
	Lympne ...	20·9	−6	SSE	2	ddf	53	97	49	3	5	–	–	10	10	600
	Manston ...	20·9	−2	SSW	1	f/r	56	85	53	6	5	–	–	10	10	3500
2	Shoeburyness ...	20·9	−10	SE	2	id.	57	85	53	6	5	–	–	10	10	2500
	Felixstowe ...	20·8	−2	SE	2	c	61	75	54	7	5	7	6	2-3	3	4000
	Gorleston ...	20·3	−8	ESE	3	zo	57	92	55	6	5	–	–	4-6	4-6	2500
	Mildenhall ...	20·2	−2	SEE	2	c	63	65	52	7	5	–	–	10	10	3000
	Cranwell ...	20·9	−4	–	0	zo	53	97	53	5	5	–	–	10	10	1000
3	Birmingham ...	21·0	−4	N	2	df	48	97	47	3	6	–	–	10	10	800
	Upper Heyford	19·8	−6	NNW	2	f	52	97	51	3	5	–	–	10	10	<150
4	Ross-on-Wye	20·4	−14	NW	2	c	53	75	44	8	5	–	–	9	9	3000
5	Hartland Point	21·3	−4	N	1	b-bc	53	75	45	8	1	–	–	2-3	2-3	3000
	Bristol ...	20·8	−10	NNW	3	zo	56	65	46	6	5	–	–	1	1	4000
	Portland Bill ...	20·3	−8	NW	2	c-bc	60	85	56	8	2	–	–	7-8	7-8	4000
	Plymouth ...	21·4	−6	NNW	2	b	57	55	42	9	1	–	–	1	1	3000
	The Lizard ...	22·3	0	NNE	2	bc	57	75	47	8	7	–	–	4-6	4-6	3000
	Scilly (St. Mary's)	22·6	−2	NW	1	b-bc	58	55	44	9	1	4	6	1	2-3	2500
	Guernsey ...															
6	Pembroke ...	21·8	−6	–	0	b-bc	56	65	44	8	1	–	–	2-3	2-3	3000
7	Holyhead (Valley)	21·1	−6	S	3	b-bc	57	65	45	9	1	–	–	2-3	2-3	2500
	Chester (Sealand)	21·2	−8	NNE	1	b	57	55	43	7	1	–	–	Tr	Tr	3000
8	Manchester ...	21·1	−10	SW'W	1	m/f	52	75	46	4	5	–	–	9+	9+	5000
10	Spurn Head ...	21·3	−4	NE	2	zo	55	92	53	6	5	–	–	10	10	1500
	Catterick (Sc.) ...	21·5	−8	SE	1	b-bc	56	75	49	7	–	3	9	0	2-3	–
	Tynemouth ...	21·3	−4	SE	3	zo	54	55	37	6	2	3	–	4-6	4-6	2100
11	St. Abbs Head	18·2	−10	SW	3	b-bc	55	85	51	7	1	–	–	2-3	2-3	4000
	Leuchars ...	18·5	−6	SW	4	zo	55	75	47	6	8	–	8	4-6	4-6	3000
12	Renfrew (Abbotsl.)	18·2	−6	SSW	4	c-bc	58	75	49	7	8	7	–	4-6	7-8	2500
	Eskdalemuir ...	13·6	−10	SW'S	4	bc	52	75	45	8	2	4	–	4-6	4-6	2100
	Point of Ayre ...	20·4	−8	SW	2	c	56	75	46	8	5	–	–	9	9	3000
13A	Tiree	15·3	−2	S'W	5	c	54	92	52	8	5	–	–	10	10	3400
13B	Stornoway ...	10·5	+2	SSW	7	c	55	85	49	8	9	6	–	7-8	9+	1800
15	Dalwhinnie ...	16·0	−6	SSW	3	ir.	49	75	43	7	5	7	–	9	10	1500
	Aberdeen ...	18·1	−6	SW	3	b	53	75	44	7	5	–	–	1	1	2500
	Wick ...	15·2	−6	SW	4	c-bc	55	75	46	8	5	4	–	4-6	7-8	4000
16	Sumburgh ...	14·4	−6	S	4	bc	54	85	49	9	5	4	6	2-3	4-6	6000
17	Blacksod Point	15·3	−6	SSW	5	c	56	85	52	8	5	–	–	10	10	1500
18	Malin Head ...	15·5	−4	SSW	5	c	53	75	46	8	5	–	–	10	10	1500
	Aldergrove ...	18·8	−10	SSW	3	b-bc	56	75	49	9	1	7	–	1	2-3	2500
19	Birr Castle ...	18·6	−14	SSW	2	bc	59	65	48	8	2	–	8	4-6	4-6	2500
20	Valentia Obsy.	19·2	−8	SSW	5	c/pr	55	85	51	8	8	–	–	9+	9+	4500
	Roches Point	20·7	−6	SW	2	bc	57	75	50	8	3	3	–	2-3	4-6	2500

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

Barom. at M.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	+2	SE	2	zo	53	85	49	5	8	–	–	1	1	4000	1	*
20·2	+2	SSE	1	zo	54	75	47	5	4	6	–	2-3	7-8	5500	0	*
19·7	+4	WNW	1	zo	52	92	50	5	5	7	–	4-6	7-8	2500	0	*
19·5	−2	NW'N	1	m	49	92	48	4	5	–	–	10	10	1000	0	*
19·7	+2	W'N	1	m	51	92	49	4	5	–	–	9+	9+	2500	0	*
20·1	+2	SSW	2	z	55	97	54	6	5	2	–	9	10	1000	1	§3
20·1	+2	S'E	1	zo	53	85	50	6	5	3	–	7-8	7-8	3400	0	*
20·4	0	SE	2	zo	56	92	54	6	5	2	–	8	10	2500	0	*
20·2	−4	S	1	c-bc	54	92	52	6	5	3	9	4-6	7-8	4000	0	2
20·1	0	ESE	3	zo	56	85	52	6	5	–	–	7-8	7-8	1000	0	3
19·4	+2	SE	2	z	58	85	54	6	5	–	–	10	10	5000	0	*
19·6	0	N	1	d-d.	52	97	52	4	5	–	–	10	10	800	1	*
20·0	−2	NNW	1	df	49	97	49	1	5	–	–	10	10	<150	1	*
19·2	−4	NNW	2	f	50	97	50	3	–	–	–	10	10	<150	1	*
19·6	−6	E's	1	zo	52	85	47	6	5	–	1	7-8	7-8	3000	1	*
20·0	−6	WNW	2	b	52	85	48	8	4	–	–	1	1	2500	0	3
20·1	−2	SW	1	zo	51	85	45	6	5	–	–	7-8	7-8	3800	0	*
19·1	−4	NW	2	bc	55	85	51	8	2	–	–	4-6	4-6	4000	1	3
20·9	+4	N'W	3	b	52	75	45	8	–	–	–	0	0	–	0	1
20·5	−4	NW	2	b-bc	52	75	45	8	7	–	–	2-3	2-3	3000	0	3
21·3	−6	NNW	1	b-bc	52	75	43	8	1	–	–	2-3	2-3	2500	0	2
20·3	−4	W	1	bc	53	85	49	8	7	–	–	4-6	4-6	2500	0	1
20·0	−6	S'E	3	bc	52	75	46	8	4	3	–	2-3	4-6	2500	0	1
19·9	−6	–	0	zo	58	85	56	5	–	4	–	0	Tr	–	0	*
19·5	0	–	0	m	51	85	47	4	5	–	–	10	10	7000	1	*
20·4	−2	NE	2	of-	53	97	53	3	7	–	–	10	10	2500	1	2
20·6	−8	SSE	1	zo	45	97	45	6	–	3	–	0	Tr	–	0	*
20·7	−2	SSW	3	zo	51	85	47	6	2	–	–	2-3	2-3	2200	0	2
18·0	+2	SW	2	b-bc	50	75	43	7	5	–	–	2-3	2-3	3500	0	3
17·6	+2	SSW	3	zo	52	85	47	6	4	4	2	2-3	2-3	2500	1	*
17·3	0	S'W	3	c	53	75	47	8	5	–	–	9+	9+	2500	1	*
19·1	+2	SWS	3	c-bc	47	85	43	8	5	3	–	4-6	7-8	1500	1	*
19·2	0	SW	2	b	43	75	42	8	2	4	5	Tr	1	3000	0	2
13·6	−10	S	5	c	54	97	53	7	5	–	–	10	10	2000	1	5
09·2	−6	SSW	7	ir.	53	92	51	6	8	2	–	7-8	10	800	1	5
15·0	−6	SSW	8	c	49	85	44	7	6	2	–	9	9	1500	0	*
17·2	−4	S	3	zo	52	92	49	6	5	–	–	7-8	9	2500	1	1
14·0	−2	SW	4	c	53	75	47	8	5	–	–	9	9+	2000	0	*
13·5	−6	S	3	c	52	92	49	8	5	–	–	9	9	4000	0	3
13·3	−8	SSW	6	c	55	85	51	7	6	–	–	10	10	1500	1	5
14·0	−6	S	5	ir.	53	85	49	8	5	–	–	10	10	1500	2	4
17·1	−6	S	1	c	52	75	46	8	5	–	–	10	10	2500	1	*
17·4	−6	SSW	2	c	52	85	48	8	5	2	–	7-8	10	2500	1	*
17·7	−10	S'W	4	c	53	92	51	8	5	–	–	10	10	5000	1	5
19·1	−8	SSW	3	c-bc	54	85	50	8	5	–	–	7-8	7-8	2500	1	3

PAST 24 HOURS.

Weather. 7h.–13h. 14th. (39)	13h.–18h. 14th. (40)	18h. 14th.–1h. 15th. (41)	1h.–7h. 15th. (42)
off d. f	fmbmow bm. ofw	omw	
od. d. fcf	cfcm. bcbfcf	offf	
ofcmbcmbcmcmbcm. b, cfwcbofwofe			
cmoid. fo	om	cbcm	bcmcmcm.
cm. bcm. bcc m. cc	cm. bfcfw	bffw	
cm. od. d. od. dm. cid cm. ow	cm. oci d. m.		
cmolfo	cz. o rho	cm.	cm. m
cid. cm. o d. cid. m. o	cm. m	cm	
bcm. bc	cbcc	cfcr.	bcmocm
cm	czz.	cz. o cm.	bczz.
cm. bc	c°	cm. bcm. cm.	cmbcf
cdd. cm. ccmrcfbfcbcfcf			cffcf
od. f	od. f F	Fid.	fe
odfof	od ffe	oFdf	of
bcbbcc	c	cm.	cmbfw
bc	bcb	bbcc	cbcc
bm.	cz. o	bcm. w	bcm. wcxf
c	bc	b	c
bbvy	bvb	bm.	bm. bcm.
bc	bcb		bc
bcby	bbc	cbw	bccw
bc	bcy	c	c
bc	b	bcprgc	c
bffby	byz. o	bm. F	beFF. ff
ofeFe	cz	cmff	bFcf
om.	of	om.	cm.
bbm.	b	cm.	cm. cm
beffm.	bcm.	bmcff	cff
b	bbc	bm.	bbc
cm. xbcz.	bcz. obm.	bcm. bw	bcwsfg
cmxcmobc	bcc	cbcc	ccm.
cxbcc	bcc	cbc	bcc
bbcc	cb	bbc	cbcaw
c	ccir. c	cid. cpr	c
ccproc	Cr.	cid. cpr	ccprcrm.
co	oir.		oir.
b	bbcc	cbcbw	bw
cbc	c	c	c
bccbc	bcc	c	c
pr	c	r	c
c	r	r	bc
bbcb	bcc	c	c
bc	c		c
pr	pr	pr	pr
bc	bc	r	r

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light south wind becoming moderate later; fair at first; local rain later in period; fog night and morning; rather warm during day; rather cold at night.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Light or moderate south wind freshening later; fair at first; rain later; rather warm.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	As 1–4.
12 S.W. Scotland & Isle of Man	Moderate south wind becoming fresh later, strong to gale locally on coasts; fair at first; rain later; rather warm.
13A W. Scotland ...	
13B N.W. Scotland ▼	Fresh south wind strong to gale on coasts later; cloudy; occasional rain; rather warm.
14 Mid Scotland 15 N.E. Scotland	As 12–13A.
16 Orkneys and Shetlands	As 12–13A.
17 N.W. Ireland ▼ 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland ▼	Freshening south wind, strong to gale locally on coasts later; some rain; rather warm becoming colder.

GENERAL INFERENCE

A complex depression West of Ireland will move northeast. Weather will be fair at first apart from local fog but rain will spread from the west later.

FURTHER OUTLOOK

Unsettled with occasional rain.

▼ Gale warning in operation in districts 13B. 0410 on 13th October, 1943. and in districts 17 and 20 at 1145 on 15th October, 1943.

Forecasts issued at 10·30

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

7h. Friday 15th October 1943.

LOW

HIGH

998 1000 1002 1004 1006 1008 1010 1012 1014 1016 1018 1020

10° 5°W. 0° 5°E. 10°

60° 55° 50°

Mb. In.

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F.

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in mbs.

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

Scale 1.: 5,000,000

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

Ps.523/4556. Wt.6091. D.W545. Gp.946/2. 7440. 10/43.

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 15th October

1943.

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 15th October 1943 — No. 29912

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

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	*	*	*	*	*	51	*	*	*	*	*	*	*	*	*
	Croydon ...	290	20·2	-2	–	0	ℓ	48	97	47	2	–	–	–	10	10	<150
	S. Farnborough	226	18·8	-10	NNW	1	cf–	48	92	46	3	5	–	–	9+	9+	1000
	Boscombe Down	417	19·2	-6	W	2	m	44	92	43	4	5	3	9	2-3	4-6	2000
	Thorney Island	10	18·8	-10	NW	1	bf+	46	97	46	3	–	–	–	0	0	–
	Lympne ..	283	19·1	-8	–	0	z_0	52	92	50	5	5	–	–	9+	9+	3700
	Manston ...	154	18·9	-12	–	0	z_0	54	92	52	5	5	3	–	9	10	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	19·1	+6	SW	3	ir_0	57	92	55	6	5	7	–	7-8	10	1500
	Gorleston ...	5	19·3	-8	SE	1	z_0	54	85	50	6	2	–	–	7-8	7-8	2500
	Mildenhall ...	15	18·3	-10	SE'E	2	z_0	52	97	51	5	5	–	–	7-8	10	2500
	Cranwell ...	203	18·5	-8	–	0	of–	52	97	52	2	5	–	–	10	10	1500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18·5	-6	WSW	1	of–	48	97	48	3	5	–	–	10	10	400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18·6	-10	NNW	3	c	53	75	46	8	4	3	–	2-3	9	4000
	Bristol ...	209	19·4	-6	–	0	z_0	39	97	39	5	–	3	–	0	2-3	–
	Portland Bill ...	32	18·6	-10	NW	2	b	50	85	46	8	–	–	–	0	0	–
	Plymouth ...	86	19·9	-6	SE	1	z_0	40	92	38	6	5	–	–	Tr	Tr	4000
	The Lizard ...	240															
	Scilly (St. Mary's)	163	19·9	+10	–	0	b-bc	48	85	43	8	5	–	–	2-3	2-3	1500
	Guernsey ...	175															
6	Pembroke ...	142	19·8	-10	W	3	c	54	75	45	8	5	–	–	9	9	1500
7	Holyhead (Valley)	32	18·3	-12	SSE	5	c-bc	52	85	48	8	2	–	–	7-8	7-8	2500
	Chester (Sealand)	16	18·7	-10	–	0	cF–	38	92	37	1	–	3	–	0	7-8	–
8	Manchester ...	230	18·9	-6	W'N	1	of	47	97	46	2	5	–	–	10	10	100
10	Spurn Head ...	29	19·1	-8	SSE	4	z_0	54	92	52	5	5	–	–	10	10	1500
	Catterick (Sc)...	192	19·9	-6	–	0	z_0	44	92	44	5	5	–	–	10	10	1200
	Tynemouth ...	108	19·9	-2	SSW	2	of	44	85	39	3	5	–	–	9+	9+	2500
11	St. Abbs Head	280	17·0	-4	SW	4	b	45	85	41	7	5	–	–	1	1	4000
	Leuchars ...	36	17·0	-4	NW	1	b-bc	45	92	43	7	5	–	–	2-3	2-3	2500
12	Renfrew (Abbots L.)	19	18·8	-6	S	3	c	51	85	47	7	5	7	–	2-3	9+	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	17·3	-10	–	0	c	48	92	46	8	5	–	–	9	9	3000
13A	Tiree	44	12·7	-4	S	5	c	54	97	53	8	5	3	–	2-3	10	2000
13B	Stornoway ...	12	08·8	-2	SSW	7	c/pr	53	92	51	7	9	–	–	9+	9+	1400
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	16·7	-2	SSW	3	b-bc	45	85	41	7	–	3	5	0	2-3	–
	Wick ...	114	13·3	-6	S'E	4	c	51	85	48	7	5	7	–	7-8	9+	3000
16	Sumburgh ..	19	13·0	+2	S	5	c	53	85	49	7	5	–	–	9+	9+	2500
17	Blacksod Point	18	12·1	-6	SW'S	6	c	55	85	50	7	6	–	–	9+	9+	1500
18	Malin Head ...	84	12·8	-6	S'E	3	pr	52	85	47	8	8	8	–	4-6	9	1500
	Aldergrove ...	268	16·0	-6	S'E	4	c	51	85	46	8	5	–	–	10	10	4000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15·9	-10	S'W	4	c	54	85	49	8	8	–	–	9	9	6000
	Roches Point	22	17·5	-12	W'S	2	c/r	52	92	50	8	5	–	–	9	9	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	17·8	-4	SSE	2	m	46	97	45	4	5	–	–	10	10	1500	1	*
	Croydon ...	18·9	-2	–	0	F+	44	97	44	1	–	–	–	10	10	<150	1	*
	S. Farnborough	18·1	+2	SSE	2	oF+	39	97	38	0	5	–	–	10	10	<150	1	*
	Boscombe Down	18·3	-6	–	0	fg	42	97	41	5	–	3	8	0	7-8	–	0	*
	Thorney Island	17·9	-4	–	0	f+	40	97	40	0	–	–	–	10	10	<150	1	*
	Lympne ..	17·8	-4	–	0	c/d	50	97	50	6	5	2	–	7-8	10	2500	1	1
	Manston ...	17·6	-6	WNW	1	m	50	92	48	4	5	3	–	4-6	9	4500	0	*
2	Shoeburyness ...	18·2	-2	W'N	2	m	50	92	48	4	5	–	–	9+	9+	4000	0	*
	Felixstowe ...	18·4	-2	E'S	2	m	52	92	50	4	5	–	–	7-8	7-8	4000	0	1
	Gorleston ...	18·0	-2	E'N	2	z_0	53	92	49	6	5	–	–	7-8	7-8	1500	0	2
	Mildenhall ...	17·3	-2	SW'S	1	of+	52	97	51	3	5	–	–	10	10	700	0	*
	Cranwell ...	17·0	-6	E'S	2	of–	51	97	51	2	5	–	–	10	10	300	1	*
3	Birmingham ...	17·1	-4	NW	2	ℓ	47	97	46	2	–	–	–	10	10	<150	1	*
	Upper Heyford	17·4	-6	–	0	F+	46	97	46	1	–	–	–	10	10	<150	1	*
4	Ross-on-Wye	17·9	-8	SW	1	b-bcf	37	97	36	2	6	–	–	2-3	2-3	3000	1	*
5	Hartland Point	16·8	-6	SW	3	c	52	85	46	8	5	–	–	9+	9+	3600	0	3
	Bristol ...	18·2	-4	–	0	bf+	36	97	36	3	–	4	–	0	1	–	0	*
	Portland Bill ...	17·0	-8	N	1	c-bc	47	92	45	8	2	–	–	7-8	7-8	4000	1	3
	Plymouth ...	18·2	-4	ESE	2	fg	39	97	39	5	5	–	–	9	9	3000	0	1
	The Lizard ...	17·7	-8	N°	2	bc	47	85	43	8	2	–	–	4-6	4-6	2500	0	4
	Scilly (St. Mary's)	17·4	-12	SSE	2	c-bc	47	75	41	9	4	–	–	7-8	7-8	1500	0	3
	Guernsey ...																	
6	Pembroke ...	17·2	-6	SE	2	c	53	85	49	8	8	–	–	9+	9+	2500	0	2
7	Holyhead (Valley)	16·7	-6	SE	3	c	50	92	48	8	5	–	–	9+	9+	5000	1	3
	Chester (Sealand)	17·0	+10	–	0	cf–	39	92	37	3	7	–	–	7-8	7-8	3000	0	*
8	Manchester ...	17·4	-6	–	0	of	47	97	46	2	5	–	–	10	10	200	1	*
10	Spurn Head ...	18·1	-4	E'S	2	z_0	53	85	51	6	5	2	–	7-8	10	1500	0	3
	Catterick (Sc)...	17·9	-10	–	0	m	46	97	46	4	5	–	–	10	10	1500	0	*
	Tynemouth ...	19·2	-2	SSW	1	of	47	85	44	3	5	–	–	9+	9+	2400	0	2
11	St. Abbs Head	17·1	+12	SW	5	bc	41	92	39	7	5	4	–	2-3	4-6	3500	0	3
	Leuchars ...	16·2	-2	WNW	1	z_0	41	92	40	6	–	3	8	0	9	–	1	*
12	Renfrew (Abbots L.)	14·9	-2	S'E	2	z_0	52	85	48	6	5	2	–	9	10	1600	1	*
	Eskdalemuir ...	17·0	0	–	0	c	44	85	41	7	5	2	–	7-8	10	1200	1	*
	Point of Ayre...	15·8	-2	SW	3	c	53	92	50	8	5	–	–	9+	9+	3500	0	2
13A	Tiree	11·5	-4	S	5	c	53	97	53	8	5	–	–	9	9	3000	1	5
13B	Stornoway ...	08·8	+2	SSW	6	r_0	53	97	51	6	6	2	–	9	10	600	2	4
15	Dalwhinnie ...	13·3	-2	S	3	c	48	92	45	7	5	7	–	7-8	10	1500	1	*
	Aberdeen † ...	16·4	-2	S'W	1	b-bc	47	92	45	7	5	–	1	2-3	2-3	2500	1	1
	Wick ...	13·1	0	S	4	c	52	85	47	8	5	7	–	7-8	9+	2000	0	*
16	Sumburgh ..	13·7	+6	S'E	5	c	52	92	49	8	5	–	–	9+	9+	3000	0	3
17	Blacksod Point	09·8	-10	SW'S	6	c	55	85	51	8	8	–	–	10	10	1500	1	4
18	Malin Head ...	10·9	-10	S	4	c-bc	51	85	46	8	2	–	–	7-8	7-8	1500	2	4
	Aldergrove ...	14·9	-2	S'E	2	c	51	85	46	8	5	–	–	9+	9+	4500	1	*
19	Birr Castle ...	13·6	-14	SSW	3	c	50	85	46	8	5	2	–	7-8	10	2500	1	*
20	Valentia Obsy.	12·7	-14	S'E	4	c	52	92	50	8	8	7	–	9	9+	4000	1	3
	Roches Point	14·8	-10	SW	3	id	53	97	52	8	6	2	–	4-6	10	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 14th. Hrs. (38)
1	London (Kew)	59	42	29	Tr	–	0·6
	Croydon ...	62	44	41	1	0·2	1·3
	S. Farnborough	59	39	39	0·5	Tr	2·0
	Boscombe Down	51	41	38	Tr	Tr	0·0
	Thorney Island	58	38	38	–	–	*
	Lympne ..	*	50	48	13	0·2	0·0
	Manston ...	59	49	43	Tr	–	0·1
2	Shoeburyness ...	58	49	46	–	–	0·6
	Felixstowe ...	64	51	47	–	–	4·5
	Gorleston ...	59	53	49	–	–	1·4
	Mildenhall ...	66	50	43	–	–	3·8
	Cranwell ...	56	49	*	1	Tr	0·0
3	Birmingham ...	49	47	41	0·3	0·1	0·4
	Upper Heyford	52	45	40	0·3	Tr	*
4	Ross-on-Wye	54	36	29	–	–	3·2
5	Hartland Point	54	50	43	–	–	9·0
	Bristol ...	57	35	28	–	Tr	6·2
	Portland Bill ...	60	45	*	–	–	*
	Plymouth ...	59	37	31	–	–	8·5
	The Lizard ...	58	45	*	–	–	10·0
	Scilly (St. Mary's)	59	47	*	–	–	9·9
	Guernsey ...						
6	Pembroke ...	57	51	*	Tr	–	9·1
7	Holyhead (Valley)	57	48	46	–	Tr	*
	Chester (Sealand)	58	37	28	–	Tr	8·5
8	Manchester ...	55	47	43	–	–	*
10	Spurn Head ...	58	52	*	1	–	1·1
	Catterick (Sc)...	57	41	34	–	–	8·0
	Tynemouth ...	55	44	41	–	–	*
11	St. Abbs Head	57	41	*	–	–	*
	Leuchars ...	55	38	29	–	–	8·2
12	Renfrew (Abbots L.)	57	50	46	–	–	6·0
	Eskdalemuir ...	53	40	31	–	–	5·7
	Point of Ayre...	60	43	*	–	–	6·0
13A	Tiree	55	52	50	Tr	0·4	0·0
13B	Stornoway ...	58	50	49	Tr	9	0·0
15	Dalwhinnie ...	51	46	45	Tr	2	0·3
	Aberdeen † ...	55	45	34	–	–	8·1
	Wick ...	57	51	48	–	–	*
16	Sumburgh ..	55	52	50	–	–	7·1
17	Blacksod Point	56	54	*	Tr	2	*
18	Malin Head ...	56	50		Tr	0·6	0·1
	Aldergrove ...	57	49	47	–	–	5·6
19	Birr Castle ...	59	50	48	–	–	3·9
20	Valentia Obsy.	57	51	49	0·1	0·4	0·6
	Roches Point	59	51	*	Tr	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 14th October: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 15th October: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
109	57	02754	16425	57	02755	16427	57	02765	48528	5–	02766	16526
115										24	02854	20426
203	8–	02847	16627							5–	03048	16528
206	5–	02965	18657	57	02965	18627	53	02965	20326	53	02954	00025
210	54	01964	18525	5–	02857	16427	5–	02965	14425	5–	02865	13316
219	5–	02746	17626	9–	61638	17668	5–	61748	17688	8–	02854	16637
230	57	02957	16158	52	02856	16328	5–	02858	18368	52	21875	14258
245	10	01755	19215	46	05654	18324	04	01790	24112	04	01790	00003
260	10	05654	18414	40	05663	17213	00	06690	16310	54	05664	18314
276												
279	70	01763	22313	54	05653	18313	20	04862	12102	50	04664	10104
285	13	01861	28203							53	01754	26115
288	04	01790	20113	00	05690	00020	53	51433	00058	5–	57248	00058
575	87	02864	14326	52	02844	14328	57	27744	48357	57	02854	16325
301	10	05661	16241	00	08490	00000	00	45290	08140	54	43354	00045
321	57	61545	32228	5–	08448	30128	--	48209	00069	--	44209	08149
299	5–	02757	32227	5–	02758	32228	5–	05648	18228	5–	05648	18128
292	07	02790	00017	52	05576	00028	5–	08448	00058	5–	57238	32168
310	20	01636	08316	--	46109	08349				--	57109	32349
614	5–	08448	04128	5–	51728	02148	5–	47128	02148	--	44109	06149

III	13h. G.M.T. 14th October: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 15th October: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
333	10	01862	12102	40	01963	14203	57	51854	30126	54	52855	28167
334	--	00790	26100							--	04309	00028
340	56	05663	32115	50	05663	00023	5–	45398	30128	5–	05668	00028
136	76	05664	16224	03	05530	08112	00	43290	12340	03	47290	12244
236				50	01752	28302				--	46009	28343
350	52	05535	08258	52	21427	14158	--	48009	00049	5–	45351	00041
368	70	01753	18213	00	00890	22110	00	00890	00000	03	01890	02102
379	--	46208	32353	--	46009	30209	5–	43308	02148			
390	5–	41537	10258	57	05554	12224	--	46309	16149	5–	47348	00028
382	5–	45348	31148	--	47309	28149	--	44109	00049	--	44209	00049
438				80	22656	22216	5–	05655	00025	53	05654	32115
430	07	05690	22224	5–	08463	26113	5–	48009	00040	00	44190	28140
409	40	01864	31314	40	01963	32113	53	22865	16128	54	01864	16214

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 15th October
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	offdℓf	fmbmdW	omW	Kew 24 hours ended 7h.
Croydon ...	odddfefcmbdc	dff		
Greenwich ...	cidm$_0$	aidcbcm$_0$	bccmffm	24 hour Max. Time
Camden Square	0	0	*	0·4 19-20h
Kensington ...	cmcz	cz	*	Min. 14th
Hampstead ...	orf	of	0	0·2 0-7h 15th

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	59	42	29	Tr	–	0·6	*	*
Croydon ...	62	44	41	1	0·2	1·3	*	*
Greenwich ...	59	45	40	1	Tr	0·0	92	97
Westminster ...	59	42	41	0·1			95	94
Regents Park ..	59	45	34	0·2	–		91	86
Camden Square	58	46	38	1	–	*	*	92
Kensington ...	59	43	34	0·1	Tr		94	95
Hampstead ...	57	43	37	0·4	–		*	96

SECRET

Page 1

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

Saturday 16th October 1943 — No. 2913

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

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)	°F 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)	15·3	-20	SE	1	2o	55	75	47	6	5	–	–	1	1	4000
	Croydon ...	15·3	-24	–	0	bbcf	58	65	45	4	1	–	–	2-3	2-3	3500
	S. Farnborough	14·3	-18	SW	2	2o	58	65	46	6	7	–	–	7-8	7-8	2500
	Boscombe Down	13·4	-22	SW'S	2	bc	57	65	45	7	1	–	–	4-6	1-6	3000
	Thorney Island	15·7	-14	S	1	2o	59	65	47	6	5	2	–	1	1	2500
	Lympne ...	15·7	-14	N	1	m/r	55	85	51	4	5	–	–	9+	9+	2400
	Manston ...	15·5	-18	NW	1	2o	57	75	50	5	5	–	–	4-6	4-6	4000
2	Shoeburyness ...	16·1	-18	S	1	2o	56	75	47	5	5	–	–	7-8	7-8	4000
	Felixstowe ...	15·7	-16	WN	3	2o	63	55	47	6	5	5	–	2-3	4-6	2500
	Gorleston ...	16·6	-10	SE	1	2o	57	85	51	6	5	–	–	7-8	7-8	2000
	Mildenhall ...	14·8	-22	SSE	1	bbc	55	55	43	7	–	3	–	0	2-3	–
	Cranwell ...	14·9	-12	SE	2	2o	56	85	53	6	2	–	–	7-8	7-8	2500
3	Birmingham ...	14·3	-18	SSE	1	of-	50	92	48	2	5	–	–	10	10	450
	Upper Heyford	16·0	-8	SSW	1	m	48	92	46	4	5	–	–	10	10	700
4	Ross-on-Wye	14·4	-24	WS	2	b	56	65	42	8	5	–	–	1	1	3500
5	Hartland Point	14·1	-20	W	2	bc	55	65	43	8	5	–	–	4-6	4-6	3500
	Bristol ...	15·4	-16	SW	1	bbc	60	65	46	7	1	–	6	2-3	2-3	2500
	Portland Bill ...	15·1	-14	SW	2	bc	58	85	52	8	1	–	–	4-6	4-6	4000
	Plymouth ...	15·0	-22	SSW	2	bbc	57	55	43	8	1	3	1	2-3	2-3	3500
	The Lizard ...	15·1	-20	SE	4	bc	58	65	46	8	2	3	–	4-6	4-6	3500
	Scilly (St. Mary's)	14·3	-20	SSE	3	c	56	65	46	8	5	7	5	7-8	9	1500
	Guernsey ...															
6	Pembroke ...	14·3	-10	WSW	2	c	56	65	43	8	8	–	–	9	9	2200
7	Holyhead (Valley)	14·2	-18	S'E	4	c	55	85	49	9	8	–	–	9+	9+	6000
	Chester (Sealand)	14·4	-20	–	0	2o	54	75	45	5	5	3	–	4-6	9+	3200
8	Manchester ...	14·8	-14	–	0	df	49	92	47	2	–	–	–	10	10	150
10	Spurn Head ...	15·4	-20	SSE	3	2o	51	85	47	6	2	3	–	2-3	4-6	1500
	Catterick (Sc)...	15·6	-18	–	0	f	50	97	50	2	–	–	–	10	10	<150
	Tynemouth ...	16·9	-12	SSW	1	of-	50	97	49	3	–	2	–	10	10	2400
11	St. Abbs Head	14·5	-18	SSE	3	c	52	85	46	7	5	–	–	10	10	2500
	Leuchars ...	14·5	-18	SSW	1	2o	56	75	46	6	–	5	–	0	7-8	–
12	Renfrew (Abbotsl.)	13·1	-14	SE	1	c	56	75	49	7	5	3	–	4-6	9+	3000
	Eskdalemuir ...	13·9	-22	SSE	2	cbc	53	65	42	8	5	3	–	4-6	7-8	2100
	Point of Ayre...	13·5	-18	SW	4	c	55	75	48	8	5	–	–	9	9	3000
13A	Tiree	10·2	-10	SSE	4	c	54	92	53	8	5	7	–	10	10	2000
13B	Stornoway ...	08·3	-4	SSW	6	c	54	85	51	7	9	2	–	9	10	1200
15	Dalwhinnie ...	12·0	-8	SSW	4	c	50	75	42	7	5	–	–	9+	10	2500
	Aberdeen ...	14·8	-14	S'W	3	c	54	85	48	7	5	–	–	7-8	7-8	1500
	Wick ...	12·8	-4	S	4	c	54	85	49	8	5	7	–	7-8	9+	6000
16	Sumburgh ...	13·9	-4	SSE	5	bc	53	85	49	8	5	3	–	2-3	4-6	5000
17	Blacksod Point	06·6	-18	S	6	c	55	85	51	7	6	–	–	10	10	1500
18	Malin Head ...	08·8	-18	S	4	bc	55	75	47	8	8	–	–	4-6	4-6	1500
	Aldergrove ...	11·9	-18	SE	2	c	54	75	47	9	5	–	–	10	10	3000
19	Birr Castle ...	10·7	-22	SSW	2	c	54	75	46	8	5	2	–	7-8	9+	2500
20	Valentia Obsy.	08·3	-30	S	6	c/pr	55	85	51	8	2	–	–	9+	9+	2100
	Roches Point	11·6	-24	SSW	4	c/r	54	85	50	8	6	2	–	4-6	10	1500

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

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)	°F 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)	13·0	-10	S	1	m	50	85	46	4	5	–	–	1	1	4000	1	*
	Croydon ...	14·1	-10	S	1	bcf	51	75	44	3	4	–	–	2-3	2-3	3000	0	*
	S. Farnborough	12·9	-2	S	2	2o	51	75	42	5	–	–	–	0	0	–	0	*
	Boscombe Down	13·1	-14	S'W	3	b	48	85	44	6	4	–	4	Tr	1	4000	0	*
	Thorney Island	13·4	-6	–	0	fg	52	85	48	6	4	–	–	9+	9+	2500	0	*
	Lympne ...	13·6	-10	–	0	m	53	85	51	4	5	–	–	9+	9+	3000	1	1
	Manston ...	13·5	-6	ENE	1	m	55	75	48	4	5	3	–	4-6	7-8	5000	0	*
2	Shoeburyness ...	14·0	-8	–	0	2o	53	85	49	5	5	–	–	7-8	7-8	4000	0	*
	Felixstowe ...	13·6	-8	S'W	2	cbc	55	75	48	7	5	3	–	4-6	7-8	2500	0	2
	Gorleston ...	13·4	-6	SE'E	3	2o	55	85	51	6	–	4	–	0	1	–	0	3
	Mildenhall ...	13·0	-6	W'S	1	2o	53	85	47	6	5	–	–	7-8	7-8	4300	0	*
	Cranwell ...	12·4	-6	SSW	1	2o	46	92	44	5	–	3	–	0	Tr	–	0	*
3	Birmingham ...	12·3	-8	SSE	1	cf-	47	85	43	3	6	–	–	10	10	800	1	*
	Upper Heyford	13·4	-16	ESE	1	m	43	92	47	4	5	3	–	1	7-8	3000	0	*
4	Ross-on-Wye	11·7	-14	S'W	1	2o	50	85	44	6	5	–	–	4-6	4-6	2500	1	*
5	Hartland Point	10·8	-20	SSW	2	c	52	85	47	8	1	4	2	Tr	9	8000	0	2
	Bristol ...	11·0	-24	WSW	1	bbcf	47	75	41	7	5	4	–	2-3	2-3	2500	0	*
	Portland Bill ...	13·1	-4	SW	3	cbc	55	85	51	8	5	–	–	7-8	7-8	4000	1	3
	Plymouth ...	11·7	-18	SSW	2	cbcf	52	75	44	7	–	3	6	0	7-8	–	0	1
	The Lizard ...	10·6	-20	SSE	4	c	54	85	50	8	5	–	–	9+	9+	2500	0	4
	Scilly (St. Mary's)	09·6	-32	SSE	4	c	55	85	50	8	5	–	–	10	10	1500	0	4
	Guernsey ...																	
6	Pembroke ...	10·4	-26	S'E	4	c	55	75	45	8	8	–	–	9	9	2000	0	2
7	Holyhead (Valley)	10·7	-18	SSE	3	c	53	65	42	8	5	6	6	7-8	9+	4500	1	2
	Chester (Sealand)	11·5	-14	–	0	of	50	85	46	3	5	–	–	9+	9+	3000	0	*
8	Manchester ...	13·2	-12	SE'S	3	m	52	85	49	4	5	–	–	9	9	2000	1	*
10	Spurn Head ...	13·1	-10	ESE	3	2o	54	92	52	6	7	–	–	9+	9+	2500	0	2
	Catterick (Sc)...	12·2	-24	–	0	F	44	97	44	0	–	–	–	10	10	<150	1	*
	Tynemouth ...	13·7	-10	SE	3	2o	52	92	51	5	5	–	–	9	9	2400	1	2
11	St. Abbs Head	11·7	-10	SSE	3	0m	49	97	48	4	5	–	–	10	10	1500	0	3
	Leuchars ...	11·4	-18	SE	3	m	51	92	50	4	5	7	–	9	10	1500	0	*
12	Renfrew (Abbotsl.)	10·3	-12	SE	2	2o	52	85	47	6	5	–	–	7-8	7-8	3000	1	*
	Eskdalemuir ...	10·7	-16	–	0	2o	50	85	46	6	5	2	–	9	10	1100	1	*
	Point of Ayre...	10·3	-10	SSW	3	c	53	85	48	8	2	–	6	2-3	9	2500	0	3
13A	Tiree	07·3	-8	SSE	5	c	54	92	52	8	5	–	–	10	10	3500	1	5
13B	Stornoway ...	06·7	-10	SSE	6	c	53	85	49	7	5	2	–	7-8	10	1500	2	4
15	Dalwhinnie ...	10·0	-14	S	3	c	48	75	42	7	5	1	–	7-8	9+	1500	0	*
	Aberdeen ...	12·4	-14	S	3	2o	52	92	50	6	5	–	–	10	10	450	1	*
	Wick ...	11·5	-6	SSE	4	bc	52	85	48	7	5	–	–	Tr	4-6	3000	0	*
16	Sumburgh ...	13·3	-2	SE'S	4	2o	52	97	51	5	5	–	–	9+	9+	4000	0	3
17	Blacksod Point	02·2	-24	S	6	c	54	75	48	7	6	–	–	10	10	1500	1	5
18	Malin Head ...	06·0	-18	S'E	3	c	53	75	45	8	8	1	–	2-3	10	1500	2	3
	Aldergrove ...	08·0	-22	SSE	3	c	51	85	46	8	5	–	–	9+	9+	3800	1	*
19	Birr Castle ...	05·8	-24	SSW	2	c	52	75	44	8	5	2	–	7-8	10	2500	1	*
20	Valentia Obsy.	07·8	-34	S'E	5	ir	51	92	49	6	6	–	–	10	10	800	1	4
	Roches Point	05·8	-34	S	6	c/r	55	92	53	7	6	2	–	4-6	10	1500	1	4

PAST 24 HOURS.

	Weather. 7h.—13h. 15th. (39)	Weather. 13h.—18h. 15th. (40)	Weather. 18h. 15th to 1h. 16th. (41)	Weather. 1h.—7h. 16th. (42)
1	omflow	bcz₀bm	bbccw	cbcmw
	bcfbbcf	bcfbcz	zbfbcfw	bcfwcfbcmfg
	ofcmo c	bcybcz	₀bzomcfbcfwbccfw	
	cmocmbzbc	bcbcb	bmfybfwbcfwbcfwbcfcmcm	
	bfwbmo	bmocmfgbmow	cmowbc	
	cmodd of	cmccmcmo	bcwcpromo	
	cm	bczbczczmf	cmcmo	
2	cm	c2o	cbcmo	
	cmobczy	bcz2oc	cfccmo	cmo
	c2o	b2o	c2o	bcc
	cmbczobcy	bycmo	cmobmcm	cmbmbcm
	cfc	bmo	bcmcmbcnbmcmbF	
3	off	off	fbm	bmc
	oflom	cmcmo	bcmobf	bccfw
	bffcfbz	bbc	cbbccb	bcc
4				
5	cbc	bcc	cbcc	cbccpro
	bfmobcy	bcybc	bmow,bmow	cmow
	cbc	c	bcc	c
	bcmobc	bcc	bcccmo	croromocm
	bc	bcc	crrc	cpr
	c	c	crc	cirr
6	c	c	c	cpra
7	cifoc	cbcc	cbcw	c
	cffcm	c2ozmf	cbcff	cbcff
	off id.	bv	bccffw	bcmbm
8				
10	bcmo	cmo	cmo	cmo
	odd.ff	cmcf	of	bcfc
	cff ordo	dfmo	cbcomo	cmo
11	bcc	cform	omcmbcm	cmcmfocm
	bcmocmo	cmocm	omobcmo	bcmocmwcmo
	cmoc	ccmo	cmo	cmocmcmo
12	c	c	cmo	cmo
	c	c	c2b	bbz
13A	c	c	c	bcc
13B	crrmoc	c	c	c
15	oirc	coc		coc
	bboc	bccz₀	c2o	cmzc
	c	cbc	cmo	cmo
16	cbc	bcb, cbcf		c
17	c	pr	r	r
	c	c	c	c
18				
	c	c	cbcrbcc	ccids
19	c	c		pr
20	pr	pr	r	pr
	r	r	r	r

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

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

Freshening southerly winds probably veering southwest tomorrow; becoming mainly cloudy today; a period of rain later which may be prolonged; rather cold.

Fresh to strong southerly winds, near gale locally, veering southwest to west and moderating; becoming dull and rainy; showery later with chance of thunder locally but bright periods; rather cold.

Fresh south southeast winds, strong at times probably gale locally near coast; fair today; then dull and rainy; rather cold or cold.

Strong southeast wind, gale at times in exposed places, veering and probably moderating tomorrow; fair at first, becoming dull and rainy; some improvement tomorrow; rather cold or cold.

Southeasterly gale developing and persisting; mainly fair today;

16 Orkneys and Shetlands	dull and rainy tomorrow; rather cold to cold.
17 N. W. Ireland	Strong southeast wind, gale locally on coast, veering westerly moderating; dull rainy today; showers with possible thunder locally but bright intervals tomorrow; cold.
18 N. E. Ireland	
19 S. E. Ireland	Fresh west to northwest wind, strong at times on coast; showery with brighter intervals; local thunder possible; rather cold.
20 S. W. Ireland	

GENERAL INFERENCE

A deep depression just off Northwest Ireland is moving northwards, and a well marked trough of low pressure will move in over Great Britain giving rain in all districts, and with strong winds and gales in the northern half of the country; showery conditions will supervene in the West; conditions will be rather cold.

FURTHER OUTLOOK

Unsettled weather continuing

Gale warning in operation in districts 17 & 20 issued at 11.45 on 15th October, in districts 7, 8, 12 & 18 at 22.15 on 15th Oct, in districts 10, 11, 13(b) 15, 16 at 0315 on 16th Oct, in districts 5 (part of) 6 and 14 at 05.35 on 16th October.

Forecasts issued at 10.30

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

7h. Saturday 16th October 1943.

HIGH

LOW

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in tenths mbs.

Weather in past hour

Past weather

Scale 1.: 5,000,000

Mb. In

Ps. 523/4558. Wt. 8091. D. H545. Gp. 546/2. 7440. 10/43.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Saturday 16th October

1943.

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

Statute Miles 0 1 2 3 4 1000 2000

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 16th October 1943 — No. 2233

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

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	*	*	*	*	*	45	*	*	*	*	*	*	*	*	*
	Croydon ...	290	11·3	-20	SE	1	ebcf	46	92	44	3	5	-	-	7-8	7-8	2400
	S. Farnborough	226	09·7	-18	SE'E	1	bcf	38	92	36	2	-	-	6	0	4-6	-
	Boscombe Down	417	09·5	-22	ESE	3	bcf	40	97	40	2	-	6	6	0	4-6	-
	Thorney Island	10	10·4	-18	NE	1	fg	43	97	43	5	1	-	-	9	9	2500
	Lympne ...	283	11·3	-14	N	1	2	49	97	47	5	-	3	4	0	9	-
	Manston ...	154	10·5	-16	-	0	mf	51	85	46	4	-	3	-	0	9+	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	11·5	-8	SE	3	ic	51	85	47	6	3	-	-	4-6	10	2500
	Gorleston ...	5	11·6	-12	E'S	3	cbc	55	75	45	7	5	-	-	7-8	7-8	2500
	Mildenhall ...	15	10·1	-18	SE	2	m	49	97	47	4	5	-	-	8+	9+	3000
	Cranwell ...	203	09·9	-12	—	0	m	43	97	42	-	5	3	-	4-6	7-8	3300
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	10·2	-16	E	2	bcf	41	97	41	3	5	-	-	4-6	4-6	800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	04·4	-32	SSE	4	c-bc	50	92	47	8	5	6	-	4-6	7-8	2500
	Bristol ...	209	03·3	-22	SE	2	2	42	97	41	6	-	3	7	0	10	-
	Portland Bill ...	32	09·0	-24	S	3	c	56	85	52	8	5	-	-	10	10	4000
	Plymouth ...	86	05·9	-32	SE	4	2	57	92	54	6	5	-	-	9+	9+	3300
	The Lizard ...	240	04·5	-36	SE	6	c	56	97	55	7	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	02·3	-26	SSE	5	c	56	92	54	7	5	3	-	7-8	10	1200
	Guernsey ...	175															
6	Pembroke ...	142	04·0	-34	SE'S	6	c	55	85	51	8	5	-	-	9+	9+	2500
7	Holyhead (Valley)	32	05·1	-34	ESE	2	bc	49	85	44	8	-	4	-	0	4-6	-
	Chester (Sealand)	16	08·3	-18	SSE	1	cbc	42	92	41	1	-	-	8	0	7-8	-
8	Manchester ...	230	09·2	-20	SE	3	mf	48	85	44	4	5	3	-	2-3	7-8	2500
10	Spurn Head ...	29	10·3	-18	SE'S	3	2	54	85	51	6	7	-	-	9+	9+	2500
	Catterick (Sc.) ...	192	09·2	-24	S	1	f	47	97	47	2	-	-	-	10	10	<150
	Tynemouth ...	108	11·0	-12	SE	4	2	51	92	49	6	5	-	-	7-8	7-8	2500
11	St. Abbs Head	280	08·2	-12	SE	4	2	48	92	46	5	5	-	-	7-8	7-8	1500
	Leuchars ...	36	08·7	-14	E	2	2	49	97	48	5	-	2	8	0	7-8	-
12	Renfrew (Abbotsl.)	19	06·7	-18	ESE	4	2	52	85	48	6	5	-	-	4-6	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	05·6	-26	S	4	2	53	85	48	6	6	-	-	2-3	2-3	800
13A	Tiree	44	02·9	-22	SSE	5	bc	52	97	51	8	5	3	-	2-3	4-6	2000
13B	Stornoway ...	12	03·8	-14	SSE	3	c	53	85	47	8	5	3	-	9	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	09·4	-14	SSW	3	2	51	92	49	5	5	-	-	4-6	9+	1000
	Wick ...	114	04·2	-34	SE'E	4	bc	51	85	49	7	7	7	-	4-6	4-6	800
16	Sumburgh ..	19	12·0	-10	SE	5	c	51	75	44	7	5	-	-	9+	9+	2500
17	Blacksod Point	18	04·3	-42	SSE	5	ic	53	92	51	7	6	-	-	9+	9+	1500
18	Malin Head ...	84	00·4	-30	ESE	4	c	51	75	44	8	8	-	-	10	10	1500
	Aldergrove ...	268	03·6	-30	SSE	4	b-bc	50	85	46	8	-	7	-	0	2-3	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	03·8	-34	SE	5	iR	53	82	51	6	6	2	-	4-6	10	2000
	Roches Point	22	06·0	-46	S'E	7	ic	57	97	57	7	6	2	-	4-6	10	800

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

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)	06·8	-16	E'N	2	m	45	97	44	4	5	7	6	2-3	4-6	4000	1	*
	Croydon ...	08·0	-10	SE	1	m	45	97	45	4	5	7	3	Tr	4-6	3500	0	*
	S. Farnborough	06·6	-10	SE'E	2	cf+	41	92	40	2	5	7	8	4-6	9	2500	0	*
	Boscombe Down	06·4	-14	SE	4	2	48	97	48	6	5	3	6	4-6	9	4000	0	*
	Thorney Island	06·9	-12	SE'E	1	fg	51	92	50	7	5	7	-	4-6	9	2500	1	*
	Lympne ...	08·0	-14	S	3	pr	54	85	50	5	5	2	-	9	10	1000	1	4
	Manston ...	08·0	-10	ESE	1	2	50	82	48	5	5	7	-	4-6	9+	3000	0	*
2	Shoeburyness ...	08·5	-16	SE	2	2	42	97	42	5	5	-	8	4-6	7-8	2500	0	*
	Felixstowe ...	09·1	-6	-	0	fs	45	92	48	4	5	-	5	2-3	7-8	4000	0	0
	Gorleston ...	08·9	-2	S	3	pr	55	97	55	7	6	-	-	10	10	1500	1	3
	Mildenhall ...	07·7	-6	SE'E	3	bcf	41	97	41	3	-	3	1	0	4-6	-	0	*
	Cranwell ...	07·4	-6	ESE	1	b-bcf	39	97	39	1	-	3	-	0	2-3	-	1	*
3	Birmingham ...	05·6	-10	SE	2	m	43	97	42	4	5	7	-	9	9+	2500	1	*
	Upper Heyford	06·3	-16	E	2	cf-	42	97	42	3	5	-	2	7-8	9+	4500	1	*
4	Ross-on-Wye	04·0	-26	ESE	3	2	48	85	45	6	5	7	2	4-6	7-8	2500	1	*
5	Hartland Point	99·1	-20	SSE	4	c	56	97	54	7	2	6	-	7-8	9	1500	1	4
	Bristol ...	04·4	-16	SSE	2	2	47	97	45	6	5	4	2	1	9+	2500	0	*
	Portland Bill ...	05·6	-12	S	4	c	59	85	55	8	5	-	-	10	10	4000	1	4
	Plymouth ...	01·2	-20	SSE	5	rr	57	92	54	6	5	-	-	10	10	1200	1	4
	The Lizard ...	98·7	-26	S	7	pr	56	97	56	7	5	-	-	10	10	1500	1	
	Scilly (St. Mary's)	96·1	-22	W	5	rr	57	97	56	7	5	-	-	10	10	800	1	4
	Guernsey ...																	
6	Pembroke ...	97·5	-20	SSE	7	c/pr	58	97	56	6	6	-	-	10	10	800	1	4
7	Holyhead (Valley)	99·2	-26	SE'S	5	c	55	75	45	3	5	7	-	7-8	9+	5000	1	3
	Chester (Sealand)	04·0	-18	SSE	2	cf-	41	92	39	3	5	3	8	2-3	9	5000	0	*
8	Manchester ...	05·0	-20	SE'S	3	2	47	85	43	6	5	3	-	Tr	2-3	3000	1	*
10	Spurn Head ...	07·7	-6	SE	6	2	53	85	48	6	7	-	-	9	9	1500	0	4
	Catterick (Sc.) ...	07·1	-6	SE	1	ebcf-	41	97	41	3	5	-	9	4-6	7-8	1000	0	*
	Tynemouth ...	07·5	-10	SSE	4	2	51	85	47	6	5	-	-	9+	9+	1600	1	3
11	St. Abbs Head	05·7	-12	SE	5	c	50	92	48	5	5	-	-	10	10	1000	0	4
	Leuchars ...	05·5	-10	SSE	4	2	51	85	47	5	5	7	-	7-8	9+	2500	1	*
12	Renfrew (Abbotsl.)	03·6	-14	E	3	2	49	85	48	5	5	7	2	4-6	7-8	2000	1	*
	Eskdalemuir ...	03·8	-14	ESE	8	2	45	85	40	6	5	4	-	7-8	7-8	800	1	*
	Point of Ayre ...	00·2	-24	S	7	2	51	92	48	6	6	-	-	2-3	2-3	800	0	4
13A	Tiree	98·1	-22	SE	8	c	51	97	50	8	-	3	8	0	9	-	1	5
13B	Stornoway ...	00·2	-14	SE	5	2	53	85	47	5	5	3	-	7-8	9+	4000	1	3
15	Dalwhinnie ...		-18	SE	4	2	46	75	41	6	5	4	-	7-8	9	1500	0	*
	Aberdeen † ...	07·2	-6	SSE	4	c	52	75	48	7	5	-	-	10	10	1500	1	3
	Wick ...	06·7	-10	SE	6	2	51	85	45	6	5	1	-	7-8	9+	800	0	*
16	Sumburgh ..	11·0	0	SE'S	5	c	51	75	43	8	5	-	-	9+	10	1500	0	3
17	Blacksod Point	89·4	-10	SW	3	rr	49	92	47	7	6	2	-	4-6	10	1500	1	3
18	Malin Head ...	93·9	-34	E'S	5	ebc	52	75	44	8	5	-	-	7-8	7-8	1500	2	4
	Aldergrove ...	96·7	-34	SSE	4	ido	51	85	47	7	5	7	-	4-6	10	2500	1	*
19	Birr Castle ...	89·1	-44	SSW	4	pr	55	92	53	7	9	2	-	7-8	10	800	1	*
20	Valentia Obsy.	91·8	-2	WNW	4	pr	49	85	44	8	3	-	-	7-8	7-8	1800	1	4
	Roches Point	91·9	-2	N'S	4	r	50	92	48	8	6	2	-	4-6	9	1500	1	5

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine Hrs. (38)
1	London (Kew)	80	48	29	-	Tr	4·1
	Croydon ...	60	48	38	-	Tr	5·2
	S. Farnborough	60	36	27	-	-	5·6
	Boscombe Down	58	38	35	-	Tr	8·8
	Thorney Island	60		33	-	Tr	*
	Lympne ...	*	43	33	0·6	0·2	0·0
	Manston ...	58	47	39	-	-	3·0
2	Shoeburyness ...	57		37	-	-	1·4
	Felixstowe ...	65	47	45	-	-	5·2
	Gorleston ...	58	54	46	-	-	4·0
	Mildenhall ...	65	41	34	-	-	4·6
	Cranwell ...	57	36	28	-	-	2·7
3	Birmingham ...	50	41	31	-	-	0·0
	Upper Heyford	50	41	34	-	-	*
4	Ross-on-Wye	58	40	30	-	-	6·2
5	Hartland Point	57	48	44	-	0·4	7·3
	Bristol ...	60	39	28	-	Tr	7·7
	Portland Bill ...	58	53	*	-	-	*
	Plymouth ...	58	44	40	-	1	6·7
	The Lizard ...	59	53	*	-	1	6·3
	Scilly (St. Mary's)	58	54	*	-	3	4·2
	Guernsey ...						
6	Pembroke ...	58	52	*	-	1	2·2
7	Holyhead (Valley)	56	43	38	Tr	-	*
	Chester (Sealand)	55	39	34	-	Tr	0·4
8	Manchester ...	53	44	38	Tr	-	*
10	Spurn Head ...	57	50	*	-	-	7·1
	Catterick (Sc.) ...	52	41	34	0·2	-	0·0
	Tynemouth ...	52	50	47	1	-	*
11	St. Abbs Head	53	48	*	-	Tr	*
	Leuchars ...	57	48	44	-	-	5·8
12	Renfrew (Abbotsl.)	57	48	41	-	-	1·3
	Eskdalemuir ...	54	44	41	-	-	2·0
	Point of Ayre ...	58	50	*	-	-	1·5
13A	Tiree	55	51	48	-	-	0·0
13B	Stornoway ...	55	51	49	0·2	-	0·0
15	Dalwhinnie ...	52	45	42	0·1	-	0·8
	Aberdeen † ...	55	51	47	-	-	6·3
	Wick ...	57	51	48	-	-	*
16	Sumburgh ..	54	51	48	-	-	1·4
17	Blacksod Point	57		*	0·4	7	*
18	Malin Head ...	58	50		-	-	0·0
	Aldergrove ...	56	47	42	-	-	0·0
19	Birr Castle ...	54	52	49	-	2	0·0
20	Valentia Obsy.	56	47	44	1	16	0·5
	Roches Point	56	50		0·6	7	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 15th October ... 18h. G.M.T. ... 01h. G.M.T. 16th October ... 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	53	02864	15526	57	02763	46525	5-	05546	46526	57	02742	45625
115	24	02854	20326	22	02854	16226	22	02854	12426	52	02744	41425
203	5-	02848	16528				5-	03748	12428			
206	8-	02965	18525	57	05765	16128	57	05647	08328	53	05655	08327
210	5-	02965	14425	53	02874	12426	5-	05647	12427	5-	05648	#528
219	57	02834	15528	5-	02856	15426	2-	02855	14625	59	02763	14616
230	5-	21847	14157	57	21865	00058	50	02658	14258	5-	05656	10327
245	15	02751	15215	52	08425	15328	5-	05644	14426	5-	05648	46568
260	23	01753	12314	5-	05648	04318	5-	43348	12248			
278												
279	53	05683	09226	5-	05578	09128	5-	05565	10225	57	09562	00025
285	--	48209	08329							5-	48109	10349
288	5-	45245	26145	5-	47255	00045	5-	05545	00015	53	08444	08215
575	57	02844	16327	57	02844	15227	5-	02758	15328	62	22724	47568
301	5-	08447	08147	5-	45268	10148	00	43390	12344	57	05651	11345
321	57	05635	08247	5-	08445	10125	03	43390	12243	50	45255	08147
299	53	05643	14213	50	05543	14113	5-	05647	16327	5-	14647	12527
292				5-	08457	00027	57	45347	12248	54	41443	10245
310	--	57109	32349							--	46109	07449
614	5-	08446	06126	5-	47365	00025	07	45390	00048	04	43390	00014

13h. G.M.T. 15th October ... 18h. G.M.T. ... 01h. G.M.T. 16th October ... 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-	02545	14265	07	02830	20228	03	02890	14525	57	61765	17527
334	--	02646	28117							--	02634	22116
340	57	05655	00028				00	43390	16240	57	05561	16543
136	10	05644	14344	83	05564	00015	--	46109	12249	03	05590	08213
336										57	05654	12348
350	50	05534	16244	5-	08464	00014	50	08464	14104	50	43372	12294
368	50	01763	18213	50	01852	20114	57	02763	15327	57	05644	12327
379	5-	05534	22147	00	05530	14111	50	05543	14313	53	08454	14316
390	50	08465	00045	57	47263	00044	00	45290	00040	50	43361	00043
382	5-	05558	00028	00	04490	00010	5-	47566	00016	57	43364	12146
438	00	05530	06110	50	05563	18113	50	05665	14215	87	05654	18215
430	16	05663	20114	50	05654	00014	53	05563	02113	87	05654	00026
409	14	01863	16415	54	02865	13327	57	02745	14567	5-	21624	15628

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 16th October
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 ...	omfbw	bczobm	cbcmw	Kew 24 hours ended 7h. Max. Time
Croydon ...	bcfbcf	bcfbczo	bfbcmfg	16th 0-11h
Greenwich ...	ffbmo	bcbmo	bcwbmo	Min. Time
Camden Square	o	c	*	0·1 13-17h 15th
Kensington ...	bcbbc	bc	*	
Hampstead ...	obc	bcm	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 % Today	Humidity 9h % Today
Kew ...	56	43	29	-	Tr	4·1	*	*
Croydon ...	60	43	38	-	Tr	5·2	*	*
Greenwich ...	59	42	29	-	-	4·0	68	84
Westminster ...	60	45	38	-			63	87
Regents Park ...	60	43	32	-	-		63	96
Camden Square	60	42	34	-	-	*	*	95
Kensington ...	60	48	32	-	Tr		82	87
Hampstead ...	58	43	35	-	-		*	87

SECRET

Page 1

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

BRITISH SECTION

Sunday 17th October 1943 — No. 25914

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

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. 0–10 (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)	03·5	-20	SE	3	c	59	75	49	8	8	3	2	9	9+	4000
	Croydon ...	04·4	-22	SSE	3	c-bc	63	55	48	7	8	-	5	4-6	7-8	3000
	S. Farnborough	02·7	-22	SSE	4	c-bc	63	65	50	8	8	7	4	4-6	7-8	2500
	Boscombe Down	02·5	-18	S'E	5	c	60	75	51	7	2	3	5	4-6	8	1200
	Thorney Island	03·5	-22	S'E	4	c-bc	63	65	53	7	8	7	2	2-3	7-8	4000
	Lympne ...	05·1	-18	SSW	4	2o	59	65	48	6	1	6	-	2-3	7-8	3000
	Manston ...	06·3	-14	SSE	4	2o	59	65	47	6	1	3	-	2-3	2-3	3000
2	Shoeburyness ...	05·8	-20	SE	3	c	59	75	52	7	2	7	-	4-6	9	2500
	Felixstowe ...	05·2	-16	SE	3	2o	58	75	51	6	5	-	-	9+	9+	4000
	Gorleston ...	06·6	-10	SSE	4	2o	55	85	49	6	5	-	-	10	10	1000
	Mildenhall ...	03·9	-24	SSE	3	2o	62	65	51	6	2	-	-	7-8	7-8	4000
	Cranwell ...	03·6	-24	SE	5	2o	57	75	49	6	2	3	-	7-8	7-8	1800
3	Birmingham ...	01·0	-18	SE	4	c	58	65	47	8	5	7	-	7-8	9	1500
	Upper Heyford	02·3	-24	SE	3	2o	58	75	50	6	5	7	3	4-6	9+	3500
4	Ross-on-Wye	00·0	-20	S'E	3	c	59	75	50	8	1	7	-	Tr	10	3000
5	Hartland Point	96·9	-4	W	3	rr	50	97	50	6	6	2	-	9	10	1000
	Bristol ...	00·3	-24	SSE	3	c	59	75	49	7	5	7	-	2-3	9+	1500
	Portland Bill ...	01·7	-12	S	5	c	60	85	56	8	5	-	-	10	10	4000
	Plymouth ...	97·9	-18	S'E	4	rr	56	97	56	6	6	2	-	7-8	10	400
	The Lizard ...	97·2	-6	SW	3	0 fg	51	92	49	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	96·8	0	W	4	c	55	75	47	8	8	7	-	7-8	10	1200
	Guernsey ...															
6	Pembroke ...	96·3	+6	SWS	3	ro	52	85	48	7	5	-	-	10	10	800
7	Holyhead (Valley)	96·0	-6	SSW	7	ro	57	75	51	6	5	7	-	4-6	10	800
	Chester (Sealand)	01·4	-14	SE'S	3	c	56	85	50	6	5	7	-	2-3	10	2000
8	Manchester ...	00·8	-22	SE	4	2o	59	65	49	6	-	8	3	0	9	-
10	Spurn Head ...	04·5	-18	SE	6	2o	55	85	50	6	7	-	-	7-8	7-8	2500
	Catterick (Sc.) ...	03·2	-24	SE	2	2o	53	85	48	5	5	7	-	4-6	9+	2000
	Tynemouth ...	04·2	-14	SE	6	cq	52	85	47	6	5	-	-	9	9	1800
11	St. Abbs Head	02·8	-12	SE	6	2o	50	85	46	6	5	2	-	7-8	10	1500
	Leuchars ...	02·3	-22	E	6	2o	53	75	47	6	5	-	3	7-8	9+	1200
12	Renfrew (Abbotsl.)	99·4	-22	E'S	3	2o	55	75	46	5	5	7	6	2-3	9+	4000
	Eskdalemuir ...	99·9	-20	ESE	4	2o	51	65	51	6	5	2	-	7-8	9	1100
	Point of Ayre ...	96·0	-26	S	7	ir	55	92	53	6	6	-	-	9+	9+	800
13A	Tiree	93·7	-20	SE	8	ir	53	92	51	6	5	7	-	9	10	3500
13B	Stornoway ...	95·8	-20	SE	6	2o	57	65	44	6	-	7	5	0	7-8	-
15	Dalwhinnie ...	00·0	-20	SE	4	c	49	75	40	7	5	3	-	7-8	9+	2500
	Aberdeen ...	04·4	-8	SSE	5	2o	53	75	45	6	1	3	-	9	9+	2000
	Wick ...	04·7	-16	SE	7	bc	53	92	51	7	1	3	2	1	4-6	2000
16	Sumburgh ...	08·6	-16	SEE	6	c-bc	53	85	47	8	8	-	-	7-8	7-8	4000
17	Blacksod Point	89·5	+16	WSW	5	c-bc	51	65	40	8	9	-	-	7-8	7-8	1500
18	Malin Head ...	89·1	-18	S	4	ir	52	85	48	8	6	2	-	2-3	9	1500
	Aldergrove ...	92·6	-14	S'E	4	rr	50	97	50	6	6	2	2	4-6	10	800
19	Birr Castle ...	92·2	-10	SW	3	bc	52	75	44	8	5	-	-	4-6	4-6	2500
20	Valentia Obsy.	95·4	+10	W	4	b-bc pr	52	55	37	8	2	-	-	2-3	2-3	2500
	Roches Point	94·8	+10	WN	4	bc	53	85	49	8	8	-	5	4-6	4-6	1800

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

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)	01·3	-16	SE'E	3		54	75	48	5	5	7	8	4-6	9	4000	1	*
	Croydon ...	01·8	-14	SSE	3	m	54	85	49	4	-	7	2	0	9+	-	0	*
	S. Farnborough	00·4	-8	SE	3		55	75	48	6	-	7	6	0	9	-	0	*
	Boscombe Down	99·4	-22	SE	4		55	85	50	6	5	7	-	4-6	10	1600	0	*
	Thorney Island	00·9	-14	SE'S	4		58	92	56	6	5	7	6	2-3	9+	2500	0	*
	Lympne ...	02·9	-10	SSE	3		53	75	47	6	5	3	-	2-3	7-8	2500	0	3
	Manston ...	03·2	-12	SE'S	3		54	65	43	6	4	5	6	1	7-8	3000	0	*
2	Shoeburyness ...	04·5	-6	SSE	3		55	75	48	6	-	7	-	0	2-3	-	0	*
	Felixstowe ...	03·1	-10	SE	4	b-bc	57	65	56	7	-	7	-	0	2-3	-	0	3
	Gorleston ...	03·6	-6	SSE	4		56	85	50	6	5	-	-	7-8	7-8	1500	0	4
	Mildenhall ...	01·8	-10	SE	3		53	85	50	6	-	-	1	0	2-3	-	0	*
	Cranwell ...	01·2	-2	ESE	3		52	92	50	6	-	7	-	0	7-8	-	0	*
3	Birmingham ...	98·5	-10	SE	3		56	65	45	6	5	-	-	10	10	1500	1	*
	Upper Heyford	99·2	-10	SE'S	2		55	75	47	6	5	7	-	2-3	10	4000	0	*
4	Ross-on-Wye	97·3	-12	SE'S	3		56	85	50	6	6	2	-	9+	10	2000	1	*
5	Hartland Point	95·6	-8	SSW	3	s/r	49	97	49	7	6	2	-	7-8	9+	1000	1	3
	Bristol ...	98·0	-10	SE	3		56	85	53	6	6	2	-	9	10	1500	1	*
	Portland Bill ...	99·4	-8	SSE	5		57	85	53	7	5	-	-	10	10	2500	1	5
	Plymouth ...	97·3	0	WNW	2		51	92	50	5	5	2	-	7-8	10	1200	2	2
	The Lizard ...	96·7	0	WNW	4	c	52	85	48	8	8	2	-	9	9+	1500	1	4
	Scilly (St. Mary's)	96·8	+2	NW	3	c	50	75	42	8	8	7	-	9	9+	1200	1	4
	Guernsey ...																	
6	Pembroke ...	95·0	-6	W	2	c	53	85	48	7	8	4	-	7-8	10	2500	1	3
7	Holyhead (Valley)	96·0	0	SSE	4	ro	50	97	49	6	6	2	-	7-8	10	1000	1	3
	Chester (Sealand)	98·7	-18	SE	2	ro	56	85	51	6	5	2	-	2-3	10	1500	1	*
8	Manchester ...	98·4	-14	SE	4		57	75	49	5	5	1	-	9	10	5000	1	*
10	Spurn Head ...	02·3	-10	SE	5		65	85	51	5	7	7	-	7-8	9+	2500	0	4
	Catterick (Sc.) ...	00·9	-6	E	2		52	92	50	5	5	3	-	7-8	10	1500	0	*
	Tynemouth ...	02·1	-12	SE	6	cq	52	92	49	7	5	-	-	9	9	2300	1	4
11	St. Abbs Head	01·9	-10	SE	6		50	92	47	6	5	2	-	7-8	10	1500	0	5
	Leuchars ...	99·8	-12	ESE	6		51	92	49	6	5	-	-	4-6	10	600	0	*
12	Renfrew (Abbotsl.)	96·3	-10	E	4		54	85	49	7	5	-	-	10	10	2500	1	*
	Eskdalemuir ...	97·2	-12	ESE	5	pr	51	85	46	6	-	2	-	10	10	900	1	*
	Point of Ayre ...	95·3	0	SW	3	ig	50	97	48	8	6	2	-	1	10	1500	1	2
13A	Tiree	93·0	+12	SSE	4	c	52	97	52	8	5	2	-	4-6	9	800	1	4
13B	Stornoway ...	93·9	-10	ESE	6		54	85	47	7	5	7	-	4-6	9+	2500	1	4
15	Dalwhinnie ...	95·0	-4	SE	5	o	47	85	44	6	5	-	-	10	10	1500	0	*
	Aberdeen ...	02·3	-10	SE'S	4		51	75	44	6	5	7	-	9	10	2000	1	4
	Wick ...	01·9	-8	SE	6	bc	51	85	45	6	5	3	-	4-6	4-6	2000	0	*
16	Sumburgh ...	06·5	-10	SE'E	6	c	51	85	45	8	7	-	-	9+	9+	5000	0	4
17	Blacksod Point	91·4	+10	SW'W	5	c-bc pr	49	75	41	8	9	-	-	7-8	7-8	2500	1	4
18	Malin Head ...	92·0	+18	SSE	3	c	49	85	45	8	8	2	-	2-3	9+	1500	2	3
	Aldergrove ...	94·3	+6	S	2	c	47	85	44	9	5	7	-	4-6	9+	1500	1	*
19	Birr Castle ...	94·8	+8	WNW	1	c-bc	45	85	41	8	5	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.	96·0	+6	SW'W	3	bc	46	75	38	9	-	6	-	4-6	4-6	2500	1	3
	Roches Point	95·9	+8	WNW	3	bc	51	75	43	8	5	-	5	1	4-6	1500	1	4

PAST 24 HOURS. WEATHER.

District	Stations	7h.–13h. 16th ... (39)	13h.–18h. 16th ... (40)	18h. 16th to 1h. 17th (41)	1h.–7h. 17th (42)
1	London (Kew)	bcfcw	cmow	cmow	crfrmo
	Croydon ...	bcmfgbc	cy	cmobcmcmo	cmofcrrmo
	S. Farnborough	bcmoidoc	cbcc	cmo	cmofcrc
	Boscombe Down	cmoc	ccmo	crrmocfcmo	ccicfmocmo
	Thorney Island	c	bccmo	cmo	cmofcfcifo
	Lympne ...	cmo	czo	bcmow	cmocfcfcfcmo
	Manston ...	cmoczo	bbczo	czo	czomoido
2	Shoeburyness ...	clocmoc	cmbcmo	bccifcmo	bcbbcmo
	Felixstowe ...	rofcmoc	bmobc	bc	bcclfo
	Gorleston ...	oprfro bcc	czzo	czo	cbczoq
	Mildenhall ...	cmbczo	bczobc	bmocmo	bcmocmo
	Cranwell ...	bcmcmo	cmoc	bcmocmo	
3	Birmingham ...	cbcc	c	corr	orr
	Upper Heyford	cmo	czoc	czofcfcmo	cfcfcmdodo
4	Ross-on-Wye	cbcc	cc	rcrrfo	rcoc
5	Hartland Point	prirc	crr	irc	c
	Bristol ...	cmobcc	cirfo	cmofrrrrfo	ifo ccfcc
	Portland Bill ...	c	orr	orr	orrc
	Plymouth ...	crrmo	crfo	cirmoc	c
	The Lizard ...	eprrr	rrirc	cprc	bcprc
	Scilly (St. Mary's)	cfofoc	c	bcb	bcp
	Guernsey ...				
6	Pembroke ...	crrrofo	crfo	cprrofo	cbcpfo
7	Holyhead (Valley)	cir	crrmo	orrmo	crrmc
	Chester (Sealand)	fcfcmo	czmofo	crrmo	crrmo
8	Manchester ...	bccm	czo	crrm	crr
10	Spurn Head ...	cmo	cmo	bcmo	bcmo
	Catterick (Sc.) ...	cmcmo	cmo	cm	cmifocm
	Tynemouth ...	bccmo	cmbccq	cq	bccmoq
11	St. Abbs Head	cmprcmo	cmo	cm	cm
	Leuchars ...	cmowcmo	cmo	cmoifcmo	cifocmo
12	Renfrew (Abbotsl.)	cmcmcmo	cmcldwrrmo	crfomomc	
	Eskdalemuir ...	clocc	cpr	rrmoc	irrrmoc
	Point of Ayre ...	cmir	RRrr	corr	crr
13A	Tiree	cifcrmo	rcrrmc	cbcc	c
13B	Stornoway ...	cmozo	czo	czofcfcifo	cifcccifo
15	Dalwhinnie ...	c	cpro		orr
	Aberdeen ...	czo.	cmo	czo ofcfo	cifocmo
	Wick ...	cloc	cbcc	bbc	c
16	Sumburgh ...	c	c	c	cifoc
17	Blacksod Point	f	pr	pr	bc
18	Malin Head ...	r	c	bc	bc
	Aldergrove ...	rorrRRrr	rrrrmo	cifoc	c
19	Birr Castle ...	pr	c		bc
20	Valentia Obsy.	pr	pr	pr	pr
	Roches Point	bc	pr	b	b

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

Districts	
1	S.E. England
2	E. England ...
3	E. Midlands ...
4	W. Midlands
5	S.W. England
6	South Wales
7	North Wales
8	N.W. England
9	N. Midlands ...
10	N.E. England
11	S.E. Scotland
12	S.W. Scotland & Isle of Man
13A	W. Scotland ...
13B	N.W. Scotland
14	Mid Scotland ▼
15	N.E. Scotland ▼
16	Orkneys and Shetlands ▼
17	N. W. Ireland
18	N. E. Ireland
19	S. E. Ireland
20	S. W. Ireland

Wind westerly moderate, backing southerly light to moderate; considerable fine periods; local showers chiefly near the coast; chance of local morning fog; rather cold.

Fresh southeast winds veering southwest later; dull, rainy this afternoon; considerable fine periods later; rather cold.

As 1

Light southwest winds, backing south and increasing tomorrow; bright periods; showers; becoming cloudy with rain spreading from the west during tomorrow; rather cold.

Light variable winds; cloudy with brighter periods; occasional rain or showers, rather cold.

Winds mainly southeast to south, light to moderate; cloudy or dull; occasional rain; rather cold.

Fresh to strong southeast winds; mainly cloudy, but with brighter periods; probably some rain tomorrow; rather cold.

Light southerly winds, backing southeast freshening tomorrow; bright periods; thundery showers; cloud increasing with rain in the southwest tomorrow; rather cold.

GENERAL INFERENCE

A deep depression to the westward of the Hebrides is moving toward South Iceland, and an associated trough of low pressure over England is moving away eastwards in the South. There will be a period of rain in the Northeastern half of the British Isles, in southwest districts conditions will be rather showery with bright periods, but with more general rain setting in tomorrow; conditions will be rather cold.

FURTHER OUTLOOK

Unsettled changeable weather continuing.

▼ Gale warning in operation in districts 15 (part of) and 16 issued 0315 G.M.T. 16 Oct 1943. In districts 14 and 15 (part of) Issued 08.35 G.M.T. 16th Oct 1943

Forecasts issued at 10·30

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

7h. Sunday, 17th October 1943.

1008 1012° 1016 5°W.° 1020 1024 0°

1004 1000 996 992 988

60° 55° 50° 5°W.

LOW

HIGH

5°E 10° 60° 55° 50°

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F.

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in mbs.

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

Scale 1.: 5,000,000

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

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

Ps.523/4556. Wt.8091 D.1545. Gp.948/2. 7440. 10/43.

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 17th October

1943.

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
BRITISH SECTION OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Sunday 17th October 1943 — No. 29914

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

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	*	*	*	*	*	53	*	*	*	*	*	*	*	*	*
	Croydon ...	290	98·6	-18	SSE	2	Zo	51	85	46	6	–	–	7	0	9+	–
	S. Farnborough	226	97·3	-14	ESE	2	Zo	52	85	47	6	5	1	–	7-8	10	2500
	Boscombe Down	417	96·3	-18	–	0	fog	49	97	49	6	5	2	–	9	10	2500
	Thorney Island	10	97·2	-22	SSE	4	Zo	58	75	50	6	5	2	–	7-8	10	2900
	Lympne ...	283	99·1	-22	SE	3	Zo	51	85	47	6	–	–	1	0	2-3	–
	Manston ...	154	00·2	-12	SE's	3	Zo	53	85	47	6	–	–	8	0	9	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	00·1	-18	SE	3	b-bc	55	75	46	7	–	3	–	0	2-3	–
	Gorleston ...	5	01·3	-20	SE'S	4	Zo	57	75	47	6	5	–	–	9+	9+	1300
	Mildenhall ...	15	99·8	-10	SE'E	3	Zo	46	92	45	5	5	–	8	1	7-8	4000
	Cranwell ...	203	99·4	-12	SE	3	Zo	46	97	45	6	–	3	–	0	9	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	95·1	-26	ESE	3	fog	51	92	48	6	5	2	–	4-6	10	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	95·3	-6	NNW	3	C	51	85	47	8	8	2	–	7-8	9+	1500
	Bristol ...	209	95·9	-10	SE	1	ifo	49	97	49	7	5	2	–	4-6	10	1400
	Portland Bill ...	32	98·3	-8	SE	4	c/r	54	92	52	7	5	–	–	10	10	2500
	Plymouth ...	86	96·0	-10	NNW	2	Zo	48	92	47	6	5	–	7	Tr	9	3000
	The Lizard ...	240	96·8	-6	W	3	c-bc/pr	45	85	42	7	5	3	–	7-8	7-8	1500
	Scilly (St. Mary's)	163	96·9	-6	N	3	bc	49	65	39	8	8	6	4	2-3	4-6	1500
	Guernsey ...	175															
6	Pembroke ...	142	95·1	-2	N'E	1	fog	47	92	46	8	8	2	–	7-8	10	1500
7	Holyhead (Valley)	32	94·7	-6	–	0	fog	46	97	46	6	6	2	–	4-6	10	1500
	Chester (Sealand)	16	97·3	-10	–	0	rr	50	92	48	5	5	2	–	7-8	10	1000
8	Manchester ...	230	96·0	-18	SSE	4	c/r	53	86	47	6	5	2	–	8	10	1000
10	Spurn Head ...	29	99·7	-18	SSE	5	Zo	54	85	48	6	7	4	–	4-6	7-8	2500
	Catterick (Sc.) ...	192	98·1	-8	SSE	3	m	51	85	48	4	5	–	–	10	10	1000
	Tynemouth ...	108	99·4	-14	SE	6	c-bcq	52	92	51	7	8	–	–	7-8	7-8	2500
11	St. Abbs Head	280	97·5	-16	SE	5	0	51	92	49	5	5	–	–	10	10	1500
	Leuchars ...	36	97·5	-10	SE	5	ifo	52	97	51	6	6	2	–	9+	10	800
12	Renfrew (Abbotsl.)	19	95·5	-8	SE	1	fog	51	97	50	5	5	2	–	7-8	10	600
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	94·2	-10	N'N	2	rr	49	97	48	7	–	2	–	10	10	2000
13A	Tiree	44	99·3	-2	S'W	2	c	50	92	49	8	2	1	–	2-3	9	2000
13B	Stornoway ...	12	93·8	0	SSE	3	ifo	52	92	50	6	5	2	–	7-8	10	1600
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	99·6	-14	SSE	5	c/r	50	85	46	6	5	–	–	4-6	10	1000
	Wick ...	114	00·6	-6	SE	5	Zo	52	85	46	6	5	7	–	4-6	10	1500
16	Sumburgh ..	19	04·3	-14	SE'E	5	c	50	85	47	8	7	–	–	4-6	10	2500
17	Blacksod Point	18	91·9	-2	SW	2	c	49	75	42	8	9	–	–	9+	9+	2500
18	Malin Head ...	84	92·8	-2	S	1	c-bc	45	75	38	8	8	–	–	7-8	7-8	1500
	Aldergrove ...	268	94·6	-2	–	0	c/r	45	92	42	8	5	–	–	10	10	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	94·8	-10	N	3	bc/pr	45	85	41	8	3	–	–	4-6	4-6	2500
	Roches Point	22	95·8	-6	NNW	1	b	44	97	43	8	–	–	–	0	0	–

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

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)	24·0	-14	NSW	2	fog	50	97	49	5	6	2	–	7-8	10	1500	1	*
	Croydon ...	25·0	-10	SE	3	rr	51	97	51	5	5	2	–	7-8	10	1000	1	*
	S. Farnborough	24·2	-2	–	0	c/r	49	92	47	8	5	7	–	Tr	10	1000	1	*
	Boscombe Down	24·6	-10	–	0	c/r	48	97	48	6	5	7	7	7-8	10	2000	1	*
	Thorney Island	24·5	-14	–	0	ifo	50	97	49	7	5	7	–	7-8	9+	1500	1	*
	Lympne ...	25·4	-14	S'E	4	fog	53	97	52	5	6	–	–	10	10	600	1	5
	Manston ...	25·8	-26	SSE	5	fog	54	92	52	6	5	7	–	7-8	10	1500	1	*
2	Shoeburyness ...	25·7	-18	SE	5	fog	55	85	51	6	5	2	–	7-8	10	1500	1	*
	Felixstowe ...	26·1	-6	SE	5	ifo	55	85	50	7	5	–	–	10	10	4000	1	4
	Gorleston ...	27·1	-12	SE	5	bcq	56	85	51	6	5	4	–	4-6	4-6	2000	0	5
	Mildenhall ...	25·4	-18	ESE	3	ifo	51	92	49	6	5	–	–	4-6	10	3500	0	*
	Cranwell ...	25·7	-16	ESE	3	ido	45	97	45	6	5	2	–	7-8	10	3500	0	*
3	Birmingham ...	24·0	-4	–	0	c/r	48	97	47	6	5	2	–	7-8	10	1500	1	*
	Upper Heyford	23·6	-12	S	1	fog	48	97	47	5	6	2	–	7-8	10	1200	1	*
4	Ross-on-Wye	23·6	-10	WSW	1	C	47	97	46	7	5	1	–	9+	10	1500	1	*
5	Hartland Point	24·5	0	NNW	3	c-bc	50	75	41	8	2	4	8	4-6	7-8	1800	1	4
	Bristol ...	24·6	-2	–	0	C	47	97	46	8	7	7	–	7-8	9+	5700	1	*
	Portland Bill ...	27·0	+4	N	4	C	52	85	48	8	2	4	–	4-6	10	4000	1	4
	Plymouth ...	25·5	-2	N'N	1	Zo	44	97	43	6	3	–	8	2-3	7-8	2000	1	1
	The Lizard ...	25·5	-8	NNW	4	c-bc/pr	48	75	41	8	8	–	–	7-8	7-8	2000	1	4
	Scilly (St. Mary's)	24·9	-6	W	3	C	47	75	39	8	8	6	3	7-8	9	1200	1	3
	Guernsey ...																	
6	Pembroke ...	24·2	0	NN'W	2	pr	49	65	39	8	8	4	–	4-6	4-6	2500	1	4
7	Holyhead (Valley)	23·3	-4	–	0	ifo	46	97	46	8	8	7	–	7-8	10	1500	1	1
	Chester (Sealand)	25·4	-4	–	0	m	47	92	47	4	–	7	–	0	10	–	:	*
8	Manchester ...	23·8	-6	SSE	2	fog	49	97	48	5	6	2	–	7-8	10	1000	1	*
10	Spurn Head ...	26·3	-22	SE	5	Zo	54	85	50	6	4	4	–	4-6	4-6	2500	0	4
	Catterick (Sc.) ...	25·4	-16	SE	1	m	50	85	47	4	5	7	–	7-8	10	1000	1	*
	Tynemouth ...	26·7	-12	SE	6	cq	52	92	50	6	8	–	–	9	9	2500	0	4
11	St. Abbs Head	25·4	-14	SE	6	c	51	92	49	6	5	–	–	10	10	1000	0	5
	Leuchars ...	26·2	+2	ESE	5	Zo	52	92	50	5	5	2	–	4-6	10	600	1	*
12	Renfrew (Abbotsl.)	24·0	+2	ESE	1	fog	47	97	45	4	5	2	–	9+	10	800	1	*
	Eskdalemuir ...	23·8	-12	E'S	4	rr	47	85	44	6	6	2	–	7-8	10	1100	1	*
	Point of Ayre ...	27·7	-8	–	0	c/r	47	97	46	8	3	7	–	Tr	10	2000	1	1
13A	Tiree	27·8	0	S'W	3	c	49	92	47	8	1	2	–	2-3	10	1200	1	2
13B	Stornoway ...	24·4	-2	SSE	3	ifo	50	92	48	7	5	2	–	7-8	10	1600	1	1
15	Dalwhinnie ...	24·5	-4	SE	4	0	47	92	45	6	5	–	–	10	10	1500	1	*
	Aberdeen † ...	27·4	-6	SE'S	5	Zo	52	92	49	6	5	7	–	9	10	1000	1	5
	Wick ...	28·7	-2	ESE	6	c	51	85	48	6	5	2	–	7-8	9+	1000	0	*
16	Sumburgh ..	28·1	-2	ESE	6	c	51	85	46	7	5	–	–	10	10	5000	0	4
17	Blacksod Point	27·4	-2	S	2	bc	46	75	39	8	9	–	–	4-6	4-6	1500	1	3
18	Malin Head ...	27·7	-1	SE	1	bc	43	75	36	8	4	–	–	4-6	4-6	1500	1	2
	Aldergrove ...	28·6	-2	–	0	c-bc	40	92	38	8	5	7	–	Tr	7-8	2500	1	*
19	Birr Castle ...	23·4	-6	SW	1	b-bc	35	92	33	8	–	4	–	0	2-3	–	1	*
20	Valentia Obsy.	23·3	-8	NE'E	2	b-bc/r	40	92	38	8	3	–	–	2-3	2-3	2500	1	2
	Roches Point	23·8	-6	N	2	b	39	97	38	8	5	–	–	1	1	2500	1	4

PAST 24 HOURS.

District	Stations	Temperatures. Max. Day 7h–18h °F. (33)	Temperatures. Min. Night 18h–7h °F (34)	Temperatures. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 16th Hrs. (38)
1	London (Kew)	62	50	47	–	5	3·6
	Croydon ...	63	51	46	–	1	7·3
	S. Farnborough	64	48	45	Tr	4	6·0
	Boscombe Down	61	47	47	–	6	2·1
	Thorney Island	63	49	47	–	1	*
	Lympne ...		45	44	–	2	6·4
	Manston ...	60	49	46	–	Tr	4·5
2	Shoeburyness ...	61	51	45	–	Tr	4·2
	Felixstowe ...	59	54	49	1	[illegible]	2·6
	Gorleston ...	57	50	44	1	[illegible]	1·0
	Mildenhall ...	63	44	38	–	–	5·4
	Cranwell ...	60	45	42	–	–	4·1
3	Birmingham ...	59	48	45	–	7	1·3
	Upper Heyford	61	47	46	–	3	*
4	Ross-on-Wye	61	47	45	Tr	7	1·7
5	Hartland Point	57	48	46	20	1	0·0
	Bristol ...	61	47	45	Tr	10	1·0
	Portland Bill ...	60	49	*	0·6	8	*
	Plymouth ...	58	48	46	23	3	0·0
	The Lizard ...	57	45	*	10	1	0·0
	Scilly (St. Mary's)	56	45	*	7	Tr	0·0
	Guernsey ...						
6	Pembroke ...	58	46	*	12	1	0·0
7	Holyhead (Valley)	58	45	44	8	17	*
	Chester (Sealand)	58	47	45	0·2	17	0·0
8	Manchester ...	59	51	47	–	5	*
10	Spurn Head ...	55	52	*	–	–	4·2
	Catterick (Sc.) ...	55	48	46	–	0·1	1·4
	Tynemouth ...	53	52	51	–	–	*
11	St. Abbs Head	54	50	*	Tr	–	
	Leuchars ...	54	51	37	–	Tr	0·9
12	Renfrew (Abbotsl.)	55	47	46	–	11	0·5
	Eskdalemuir ...	53	46	45	Tr	8	3·2
	Point of Ayre ...	56	45	*	11	15	0·0
13A	Tiree	54	49	46	5	Tr	0·0
13B	Stornoway ...	58	49	47	–	2	3·4
15	Dalwhinnie ...	50	46	45	0·1	15	1·6
	Aberdeen † ...	53	51	48	–	0·3	0·2
	Wick ...	54	50	47	–	–	*
16	Sumburgh ..	53	48	46	–	–	0·2
17	Blacksod Point	53	44	*	2	0·5	
18	Malin Head ...	56	42		2	–	0·0
	Aldergrove ...	53	40	35	14	0·1	0·0
19	Birr Castle ...	55	32	26	2	–	2·8
20	Valentia Obsy.	52	40	35	1	4	8·2
	Roches Point	55	39		0·1	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 16th October ... 18h. G.M.T. — 01h. G.M.T. 17th October ... 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	83	25754	45785	83	02654	45685	83	02654	45625	87	05654	44525
115	24	15754	75725	24	15754	75826	57	15844	79827	57	10844	49627
203												
206	8-	05655	10425	57	05654	12527	51	05664	43568	51	05665	43628
210	86	02854	44525	57	05632	44525	5-	05657	45527	52	22644	11468
219	57	05665	12626	87	02845	14667	52	61745	12428	51	62744	14368
230	53	05656	08227	5-	64644	12268	52	62856	00068	62	64746	00068
245	5-	02754	45625				52	05645	47628	57	05545	46528
260	16	05663	45525	5-	05658	43528	5-	05568	12328	5-	61548	12228
276												
279	57	05664	12427	52	61656	14468	52	22655	12268	62	62545	13168
285	5-	05628	12528							5-	51528	12568
288	5-	05657	12427	57	05653	45528	57	05655	13426	57	05655	10428
575	52	02855	14328	26	02963	15326	54	01863	16125	57	02863	14115
301	57	05675	13526	52	62666	11548	02	62558	10268	72	22665	12168
321	53	05654	13447	57	05664	12327				5-	61658	12328
299	43	01743	12413	5-	05648	12528	53	05653	14414	54	05655	14416
292	53	05653	14427	07	05590	10427	03	05590	12427	57	05555	14328
310	20	02626	10526									
614	57	05575	14327	5-	08465	10225	52	05555	10328	62	66446	12168

13h. G.M.T. 16th October ... 18h. G.M.T. — 01h. G.M.T. 17th October ... 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	52	62745	45568	52	62624	18368	52	64635	20168	27	04844	00028
334	--	63537	20388	--	64637	20368						
340	57	08654	14526	57	02645	47528	5-	57345	14468			
136	200	05654	14314	04	05590	10314	00	05690	12213	07	05690	12328
336	52	22646	12468	62	64526	12368						
350	53	05664	12326	57	05674	14427	67	05590	11327	02	64568	09168
368	57	02745	16468	62	64634	20368	57	22654	18167			
379	7-	02744	16627	07	02790	14127	5-	62648	47468	--	48103	24169
390	80	05664	14244	07	08490	12214	07	45390	10247	5-	62565	12368
382	27	02864	14425	57	02764	14327	67	05644	12368	57	62744	00068
438	23	05663	20313	54	05663	13515	50	05644	14514	5-	53448	24488
430	10	02752	14416	07	02790	14428	52	02765	47428	52	61657	20168
409	52	62755	18368	67	22944	25268	87	81844	25427	34	02954	14224

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 17th October
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 ...	bcfcw	cmow	crrcm$_o$	Kew 24 hours ended 7h. Max. Time 7·8h 16th Min. Time 2·5h 17th
Croydon ...	bcm fgbc	cy	crm$_o$bm$_o$	
Greenwich ...	bcy	bcy	bc irm	
Camden Square	o	c	*	
Kensington ...	bc	bc	*	5
Hampstead ...	bc	bcor	or	To·1

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 15h %	Humidity 9h %
						Yesterday		To-day
Kew ...	62	50	47	–	5	3·6	*	*
Croydon ...	63	51	46	–	1	7·3	*	*
Greenwich ...	64	49	43	–	5	7·2	68	97
Westminster ...	63	50	46	3			94	96
Regents Park ...								
Camden Square	63	48	42	–	4	*	*	97
Kensington ...	61	50	45	–	5		78	97
Hampstead ...	61	46	44	–	4		*	97

SECRET

Page 1

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

Monday, 18th October 1943 — No. 2995

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

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)	%e 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)	966	+10	SW'S	4	c-bc	55	65	42	8	8	-	-	7-8	7-8	1500
	Croydon ...	97·0	+16	WSW	4	c-bc	56	65	42	7	2	-	-	7-8	7-8	3000
	S. Farnborough	97·6	+14	WSW	4	bc	55	65	42	8	8	-	-	1-6	1-6	2000
	Boscombe Down	96·4	+16	WSW	4	b-bc	55	55	40	8	1	-	-	2-3	2-3	2500
	Thorney Island	97·4	+14	SW'W	3	bc	56	65	44	8	4	-	-	1-6	4-6	3500
	Lympne ...	97·6	+22	WSW	4	c-bc	56	97	56	8	1	-	2	4-6	7-8	2500
	Manston ...	97·2	+24	SW	4	bc/r	55	65	45	8	1	-	1	1	4-6	2000
2	Shoeburyness ...	97·1	+16	WSW	3	bc	57	65	44	8	2	4	-	4-6	4-6	4000
	Felixstowe ...	95·9	+10	SW	4	c/r	56	85	49	7	5	7	-	2-3	9	1500
	Gorleston ...	94·8	-2	SW	4	ir	54	85	50	7	4	6	-	4-6	7-8	1500
	Mildenhall ...	95·0	+4	SW	4	c-bc/r	53	92	51	8	1	4	1	4-6	7-8	2500
	Cranwell ...	93·6	0	WSW	3	c-bc/r	50	97	49	1	5	-	-	7-8	7-8	2500
3	Birmingham ...	94·0	+2	WSW	3	bc/pr	50	65	39	8	8	7	-	2-3	4-6	2500
	Upper Heyford	94·9	+10	W'S	3	c-bc	52	75	45	8	2	-	-	7-8	7-8	3500
4	Ross-on-Wye	94·6	+4	W	2	bc	53	75	43	8	2	-	-	4-6	4-6	3000
5	Hartland Point	94·1	-8	WSW	3	bc	52	75	44	9	2	6	-	4-6	4-6	2500
	Bristol ...	96·1	+6	SSW	3	b-bc	55	55	42	8	2	4	-	2-3	2-3	2500
	Portland Bill ...	96·7	+6	SW	4	c-bc	56	65	46	8	2	-	-	7-8	7-8	4000
	Plymouth ...	95·4	-6	SSW	4	c-bc	53	65	43	8	8	-	3	7-8	7-8	3000
	The Lizard ...	94·4	-10	S'W	5	c-bc/r	47	92	45	8	6	6	-	7-8	7-8	1500
	Scilly (St. Mary's)	93·7	-6	WSW	4	c-bc	52	75	44	8	8	6	-	4-6	7-8	1000
	Guernsey ...															
6	Pembroke ...	93·9	-2	SSW	3	PR	50	75	40	8	2	7	-	4-6	7-8	2500
7	Holyhead (Valley)	93·4	-2	W'S	1	c	50	65	40	9	8	7	3	2-3	9+	2500
	Chester (Sealand)	95·0	-2	W'S	2	r	47	85	42	6	5	2	-	4-6	10	2500
8	Manchester ...	93·3	-2	SW	3	rr	48	97	47	5	6	2	-	7-8	10	600
10	Spurn Head ...	92·2	-22	SSE	5	r	54	97	54	5	5	-	-	10	10	1500
	Catterick (Sc.)...	91·3	-36	SSW	1	r	49	97	49	4	-	2	-	10	10	800
	Tynemouth ...	93·2	-16	SE	6	c/r	53	92	51	6	-	2	-	10	10	900
11	St. Abbs Head	92·8	-20	SE	6	0	52	85	48	5	5	-	-	10	10	1000
	Leuchars ...	93·9	-18	ESE	5	r	53	92	51	5	5	2	-	7-8	10	700
12	Renfrew (Abbots I.)	92·2	-16	-	0	rr	47	97	47	3	-	2	-	10	10	300
	Eskdalemuir ...	91·3	-2	E	3	rr	47	92	45	6	-	2	-	10	10	700
	Point of Ayre...	92·8	-6	NW'N	2	rr	47	92	45	7	6	2	-	4-6	10	1000
13A	Tiree	92·4	-6	S	2	c/d	51	85	46	9	1	1	-	4-6	10	2200
13B	Stornoway ...	92·9	+2	-	0	r	49	97	48	7	6	2	-	7-8	10	900
15	Dalwhinnie ...		-8	ESE	1	rr	47	92	45	6	5	-	-	10	10	1500
	Aberdeen ...	96·3	-12	SE	3	c	52	85	48	6	3	7	-	4-6	10	1000
	Wick ...	97·9	-8	ESE	6	c	52	85	48	6	6	3	-	4-6	9+	800
16	Sumburgh ...	02·7	-2	ESE	5	c	51	85	46	8	5	-	-	4-6	9+	2000
17	Blacksod Point	91·3	0	SE'E	3	bc	51	65	40	8	8	-	-	4-6	4-6	2500
18	Malin Head ...	91·2	-6	S	2	c	49	65	38	8	2	-	7	2-3	9+	1500
	Aldergrove ...	92·6	-10	SSW	1	c	46	75	39	8	5	-	-	2-3	9+	1500
19	Birr Castle ...	92·5	-10	SW	2	c-bc	52	65	41	8	4	-	-	7-8	7-8	2500
20	Valentia Obsy.	92·6	-6	SSW	3	c	50	75	42	9	3	7	1	2-3	9	2800
	Roches Point	92·8	-10	S	1	bc	53	75	45	8	3	4	3	2-3	4-6	1500

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

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)	%e 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)	99·2	+12	SSE	2	z	49	85	45	6	8	-	-	4-6	4-6	2500	1	*
	Croydon ...	99·1	+10	S	3	bc/pr	50	85	45	6	3	-	-	4-6	4-6	3000	1	*
	S. Farnborough	98·9	+16	SSW	3	pr	50	75	43	8	8	6	3	7-8	9	2000	0	*
	Boscombe Down	98·0	+14	SSE	3	bc/pr	45	92	43	8	3	3	-	4-6	4-6	2000	1	*
	Thorney Island	99·2	+12	SSW	3	bc/pr	50	85	46	7	9	-	-	4-6	4-6	1500	1	*
	Lympne ...	00·7	+18	SSW	3	c-bc	51	75	45	8	1	-	2	4-6	7-8	2000	1	§
	Manston ...	00·5	+22	S'W	2	c-bc	50	85	44	8	2	6	6	1	7-8	4000	1	*
2	Shoeburyness ...	00·3	+18	SSW	3	c-bc	54	65	44	8	4	1	8	2-3	7-8	4000	1	*
	Felixstowe ...	99·7	+18	S'W	4	bc	54	75	45	8	2	-	6	1	4-6	4000	0	4
	Gorleston ...	98·8	+22	S	2	z	51	85	45	6	5	7	-	4-6	4-6	1800	1	4
	Mildenhall ...	99·0	+22	SSE	3	b	48	85	45	8	-	4	1	0	1	-	1	*
	Cranwell ...	98·0	+18	S'W	2	b-bc	44	92	41	7	5	-	-	2-3	2-3	3000	1	*
3	Birmingham ...	96·8	+12	SSE	3	ic	49	85	45	6	6	-	-	10	10	800	1	*
	Upper Heyford	97·1	+12	SSE	2	pr	50	65	40	8	3	-	-	4-6	7-8	2000	0	*
4	Ross-on-Wye	96·4	+12	S	3	iR	46	92	44	7	3	-	3	7-8	9	3000	1	*
5	Hartland Point	93·6	-2	SW	4	c-bc/r	47	97	46	8	3	-	-	7-8	7-8	1200	1	4
	Bristol ...	96·6	+8	SSW	2	c-bc/pr	47	85	43	8	7	6	-	4-6	7-8	1500	1	*
	Portland Bill ...	96·4	-4	SW	4	c	55	92	53	8	5	-	-	10	10	2500	1	
	Plymouth ...	95·8	+4	SW	4	bc	52	65	41	8	3	-	3	4-6	4-6	2500	1	4
	The Lizard ...	95·5	+36	SW'W	4	bc	49	75	41	8	8	-	-	4-6	4-6	1500	1	3
	Scilly (St. Mary's)	94·5	+10	WSW	4	c,p	48	75	41	8	8	6	2	4-6	9+	1200	1	4
	Guernsey ...																	
6	Pembroke ...	92·6	-6	SW'W	3	c/r	48	85	44	8	8	6	-	7-8	9+	2000	1	3
7	Holyhead (Valley)	93·7	+8	S'W	6	c	50	75	43	8	8	7	-	7-8	9	3500	1	3
	Chester (Sealand)	95·1	+4	-	0	z	47	85	43	6	4	3	1	2-3	4-6	3000	1	*
8	Manchester ...	95·7	+14	SE	2	z	44	92	42	6	2	6	-	1	2-3	2500	1	*
10	Spurn Head ...	97·4	+4	SW	4	bc	50	75	43	6	2	6	-	4-6	4-6	1500	1	3
	Catterick (Sc.)...	95·4	+44	S	2	b-bc	42	85	38	8	5	3	-	1	2-3	2500	1	*
	Tynemouth ...	93·7	+44	SW	4	z	47	75	38	6	8		-	7-8	7-8	2500	1	4
11	St. Abbs Head	87·9	-16	SSW	5	c-bc/r	47	92	45	7	5	4	-	4-6	7-8	2400	1	5
	Leuchars ...	87·4	-44	E	6	rr	51	97	51	4	6	2	-	9	10	500	1	*
12	Renfrew (Abbots I.)	91·4	+6	W'S	4	rr	41	92	39	6	6	2	-	1-6	10	600	2	*
	Eskdalemuir ...																	
	Point of Ayre...	92·7	-2	SW	2	b-bc	43	85	38	8	3	7	-	1	2-3	2500	0	1
13A	Tiree	90·1	-18	N'E	1	r	46	92	44	8	5	2	-	7-8	9+	1800	1	2
13B	Stornoway ...	90·1	-18	E	4	rr	52	85	49	6	6	2	-	4-6	10	900	1	3
15	Dalwhinnie ...	88·0	-20	ESE	4	rr	46	92	44	5	5	2	-	7-8	10	1500	1	
	Aberdeen ...	91·5	-30	SE'E	6	rr	51	92	48	5	6	2	-	7-8	10	800	1	6
	Wick ...	95·8	-10	ESE	7	z	51	92	49	6	6	2	-	7-8	10	800	0	*
16	Sumburgh ...	00·9	-10	ESE	5	c	50	85	47	8	5	7	-	7-8	9	1500	0	4
17	Blacksod Point	90·4	-4	SSE	3	c-bc	48	75	40	8	3	-	-	7-8	7-8	2500	1	3
18	Malin Head ...	90·0	-10	S	1	c	45	85	41	8	2	2	-	2-3	10	1500	2	2
	Aldergrove ...	91·9	-2	S	1	c-bc	42	85	39	7	8	7	-	2-3	7-8	2500	1	*
19	Birr Castle ...	91·5	-2	S	1	bc,p	46	85	42	8	6	-	-	4-6	4-6	2500	1	*
20	Valentia Obsy.	91·4	-2	SE	3	b-bc	45	85	41	9	2	3	-	2-3	2-3	2800	1	2
	Roches Point	92·0	0	NNW	1	bc	48	85	44	8	3	-	3	2-3	4-6	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)	r,rc,bc	bc,pr,o,bc,m,o,bc	c,r,r,o	c,m,o
	Croydon ...	c,r,r,m,o,bc	c,bc,pr,o,bc	bc,pr,o,bc	bc,c,pr,o
	S. Farnborough	c,r,r,m,c,m,b,c	bc,pr,o	c,pr,b,c,Pr,o	bc,d,m,o
	Boscombe Down	c,m,c,c,i,c,d,c,y	bc,c,pr,o,c	bc,pr,o,b,b,c	r,b,c,c,p,r,b,c
	Thorney Island	bc	bc,c,pr,o	bc,q,c,pr,c	c,pr,o,b,c,b,b,c
	Lympne ...	r,o,r,m,o,c,b,c	bc,b,b,c	bc	bc,w
	Manston ...	c,r,r,m,o,r,r	bc	c,b,c,c	c,w,b,c,w
2	Shoeburyness ...	r,o,r,m,o,c,b,c	c,bc,c	c,b,c	c,pr,o,b,c
	Felixstowe ...	c,r,r,m,o,c	bc,y,b,c	bc,c,b,c	b,c,w,c
	Gorleston ...	r,r,r	bc	bc,pr,o,l	c,pr,o,c
	Mildenhall ...	c,i,r,m,o,c,i,r,m	b,e,b	b,b,c,c	c,b,c,c,w
	Cranwell ...	c,m,o,r,o,c,m,o	c,b,c,m,o,b	b,m,o,b,c,m,o	b,c,m,c,f
3	Birmingham ...	p,r,c	b,c,o	o,i,r,o,c	c,b,c,w
	Upper Heyford	c,r,o,r,m,b,c	b,c,b,c,y,b,y	c,p,r,o,b,b,c	b,c,m,o,F
4	Ross-on-Wye	c,r,o,b,b,c	b,c,c,r	c,b	c
5	Hartland Point	c,p,r,b,c	b,c,P,H,R,i,R	b,c	b,c,b,b,c
	Bristol ...	c,i,r,o,b,c,c	b,c,c,p,r,c	p,r,b,c,7	b,c,W,b,b,c
	Portland Bill ...	c,c	c,p,r,c	c	c
	Plymouth ...	b,c,p,r,b,c,r	c,p,r,o	b,c	b,c
	The Lizard ...	p,r,r,c	c,p,r,b,c	c,b,c	b,c,c
	Scilly (St. Mary's)	c,u,r,c	c,p,q,c	b,c,c,p	c,r,r,i,r
	Guernsey ...				
6	Pembroke ...	c,p,s	c,p,r,i,o	b,c,p,r,q	c,b,c,p,r,c,q
7	Holyhead (Valley)	c	b,c,c	c,p,r,P,R,é	b,c,p,r
	Chester (Sealand)	i,r,o,r,c	r,o,f,o,m,o,b,c	c,i,r,m,o,b	b,c,m,o
8	Manchester ...	r,y,o,r,r,R,R	c,r,r,b,c	p,r,m,b,c,b	b
10	Spurn Head ...	o,m,o,r,o	b,c	b,c	b,c
	Catterick (Sc.)...	c,r,o,r,o	c,f,o,r,o,m,o,b,c	b,c,m,o,b,f	b,f,o,F
	Tynemouth ...	o,r,o,m,o	o,r,r,c,m,o	b,m,o,b,c	b,c,m,o
11	St. Abbs Head	o,r,o,m,o	o,m,o,r,o,m,o,r,c	b,c,c,c	b,m,o,c,m,o
	Leuchars ...	c,r,o,m,o	c,r,r,m	c,r,r,m,b,c	c,i,r,b,c,m,o
12	Renfrew (Abbots I.)	c,r,o,m,c,r,r	c,r,r,f,e,r,r,m,o	c,p,r,o,c,m,o	c,p,r,o,c,m,o
	Eskdalemuir ...	r,r,r,m,o		b,c,e,p,r,o,c	c,p,r,o
	Point of Ayre...	r,r,r	r,c,b,c	c,t,r	c,p,r
13A	Tiree	c,i,d,o	c,i,d,o	o,r,o,c,p,r,b,c	b,c,c
13B	Stornoway ...	c,r,r,o,o	c,r,o,r,o,r,r,m,o	c,r,r,m	c,R,R,m,o
15	Dalwhinnie ...	o,r,r	o,r,r		o,r,r
	Aberdeen ...	c,z,o	c,i,r,o,c,r,r,m,o	c,r,r,b,c	b,c,f,r,q,c,z,o
	Wick ...	c,m,o	e,m,o	c,m,o,r,o,b,c	c,b,o,c,c
16	Sumburgh ...	c	c,p,r,o,c	c,r,o,r,o	c,r,o
17	Blacksod Point	b,c	b,c	p,r	r
18	Malin Head ...	b,c	c	b,c	b,c
	Aldergrove ...	c,c,w,r	c,c,m,o,c	c,b,c,m,o	b,c,m,b,c,w
19	Birr Castle ...	c	b,c	•	c
20	Valentia Obsy.	p,r	b,c	p,r	p,r
	Roches Point	b,c	b,c	p,r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 18th October

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

Moderate south to southeast winds, veering southwesterly later. Fair at first apart from a few scattered showers, occasional thundery rain spreading from southwest: rather cold.

Moderate or fresh south-southeast winds, veering southwest or west later. Occasional thundery rain spreading northeast, followed by bright periods and local showers: rather cold.

As 1-4.

Moderate or fresh south to southeast winds. Bright periods, scattered showers, local thunder in West; rather cold.

16 Orkneys and Shetlands	As 8-15
17 N. W. Ireland	Moderate or fresh south to southeast winds, becoming variable later. Occasional thundery rain or showers; rather cold.
18 N. E. Ireland	As 8-15
19 S. E. Ireland	As 17
20 S. W. Ireland	

GENERAL INFERENCE

A deep depression is centred south of Iceland and an associated trough of low pressure off our southwest districts will move slowly northeast. Weather will be fair at first in most districts apart from scattered showers, but occasional thundery rain will spread slowly from southwest. It will be generally rather cold.

FURTHER OUTLOOK

Rather cold and unsettled with some rain or showers in most districts.

Forecasts issued at 1300

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

7h. Monday 18th October 1943.

HIGH

LOW

1008 1006 1004 1002 1000 998 996 994 992 990 988 986 984

10° 5°W. 0° 5°E 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 { Code figure (one figure) or hundreds of feet (two figures)

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, M.O., Dunstable.

Pz.523/4558. Wt. 8091. D. 4545. Gp. 948/2. 7440. 10/43.

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 of tropical, etc., 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 18th October,

1943.

HIGH

LOW

HIGH

HIGH

Clarke (1880) 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.

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

Monday 18th October 1943 — No. 2915

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

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	*	*	*	*	*	45	*	*	*	*	*	*	*	*	*
	Croydon ...	290	01·5	+2	S'E	1	be/r	46	92	44	8	3	4	2	2-3	4-6	2500
	S. Farnborough	226	00·3	+2	SE'E	2	bc	46	97	45	7	8	6	3	4-6	4-6	2000
	Boscombe Down	417	99·9	+4	SSE	2	b-bc	41	97	41	8	8	1	3	1	2-3	2500
	Thorney Island	10	00·5	+4	SSW	2	c/pr	51	85	47	7	3	6	3	4-6	7-8	1500
	Lympne ..	283	01·9	+2	SW	3	bc	51	85	46	8	1	4	-	2-3	4-6	2000
	Manston ...	154	01·9	+2	SSE	3	c	51	85	45	7	2	6	7	2-3	10	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	02·0	+6	W	1	c-bc	50	85	46	8	5	-	-	7-8	7-8	4000
	Gorleston ...	5	02·0	+4	S'W	2	bc	53	75	45	7	8	-	-	4-6	4-6	2500
	Mildenhall ...	15	01·3	+8	S'E	2	c	48	85	43	8	5	-	-	9+	9+	5500
	Cranwell ...	203	00·2	+4	SSW	3	z_o	39	97	39	6	-	4	-	0	1	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	99·5	+8	SE'S	2	bc	43	97	41	8	5	4	2	2-3	4-6	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	96·4	+4	S	3	b-bc	44	85	41	8	2	4	-	2-3	2-3	1500
	Bristol ...	209	99·0	+8	SE	2	b-bc	41	92	40	8	4	3	-	Tr	2-3	1500
	Portland Bill ...	32	98·9	+8	SW	4	c-bc	54	85	50	8	2	-	-	7-8	7-8	4000
	Plymouth ...	86	97·6	+2	SSW	2	bc	52	65	42	8	2	-	-	4-6	4-6	2000
	The Lizard ...	240	06·3	-4	SSW	4	bc	51	85	47	8	2	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	94·8	-10	SE'S	3	e/pr	50	65	39	8	8	6	3	4-6	9	1200
	Guernsey ...	175															
6	Pembroke ...	142	96·1	+10	SW	3	bcq	51	65	39	8	2	-	-	4-6	4-6	1500
7	Holyhead (Valley)	32	94·7	+8	SW'S	4	c	49	75	42	7	3	6	-	4-6	7-8	1500
	Chester (Sealand)	16	96·5	+6	SSE	2	z_o	43	92	41	6	5	3	1	1	2-3	3000
8	Manchester ...	230	97·8	+10	S'E	4	b	44	85	40	7	-	-	-	0	0	-
10	Spurn Head ...	29	00·1	+4	SW	4	c-bc	49	85	45	7	7	3	-	4-6	7-8	2500
	Catterick (Sc.)...	192	98·2	+4	S	2	bf+	37	97	37	3	-	-	-	0	0	-
	Tynemouth ...	108	98·3	+4	S	4	bc	49	85	43	7	-	3	-	0	4-6	-
11	St. Abbs Head	280	97·1	+20	SE	2	c	40	85	37	7	5	-	-	9+	9+	4000
	Leuchars ...	36	98·6	+22	SSW	2	c	41	97	39	8	-	7	-	0	10	-
12	Renfrew (Abbotsl.)	19	98·4	+12	-	0	ir	40	92	38	6	5	-	-	10	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	93·8	+4	W	2	c-bc	44	92	42	8	3	-	-	7-8	7-8	1800
13A	Tiree	44	91·3	+2	S	2	bc	47	92	45	8	2	6	-	2-3	4-6	2000
13B	Stornoway ...	12	87·1	+8	SSW	6	RR	43	97	43	6	6	2	-	7-8	10	900
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	96·6	+16	SSW	5	b	41	85	37	8	2	7	-	1	1	3000
	Wick ...	114	93·5	+10	SSW	5	c	46	85	42	8	5	-	-	5	9	1000
16	Sumburgh ..	19	97·6	-18	ESE	8	r.r.	51	97	50	8	5	7	-	7-8	10	1500
17	Blacksod Point	18	90·0	-6	S'E	3	pr	45	92	43	7	9	-	-	10	10	1500
18	Malin Head ...	84	90·9	0	S	3	b-bc	42	85	38	8	1	-	-	2-3	2-3	1500
	Aldergrove ...	268	93·1	+2	SE'S	1	z_o	40	85	37	6	-	7	-	0	7-8	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	90·5	-10	S'E	5	c	47	85	43	9	3	5	3	2-3	9	2500
	Roches Point	22	92·5	-8	S'W	4	c-bc	47	85	43	8	3	-	-	4-6	7-8	1500

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

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)	01·5	+6	ENE	2	z_o	45	97	44	5	8	-	-	4-6	9	2500	1	*
	Croydon ...	02·3	+6	SE	2	c-bc	45	97	44	6	8	6	2	2-3	7-8	2500	1	*
	S. Farnborough	01·2	+4	E'S	2	f	41	97	41	6	3	7	3	1	4-6	2500	1	*
	Boscombe Down	00·5	-2	E'S	3	bc/pr	42	97	42	8	8	7	2	2-3	4-6	2500	1	*
	Thorney Island	01·1	+8	E'N	2	bc	44	92	42	8	2	6	3	4-6	4-6	2500	1	*
	Lympne ..	03·1	+6	SSE	3	c	51	92	49	7	2	-	-	7-8	10	1500	1	3
	Manston ...	03·2	+12	SSE	3	c-bc	49	92	47	7	5	3	8	1	7-8	1500	0	*
2	Shoeburyness ...	03·3	+8	SSE	4	bc	52	85	48	8	3	6	3	4-6	4-6	2500	1	*
	Felixstowe ...	02·5	+6	SSE	3	c-bc	54	85	50	8	5	7	-	7-8	7-8	2500	0	3
	Gorleston ...	02·2	+2	S	2	c	50	85	47	7	8	7	-	7-8	9	1500	1	3
	Mildenhall ...	02·5	+10	SE'S	2	c-bc	46	92	44	8	3	3	1	7-8	7-8	4000	0	*
	Cranwell ...	02·2	+10	SE	1	F	38	97	38	1	-	-	-	10	10	<150	1	*
3	Birmingham ...	01·4	+8	SE	2	z_o	40	97	39	6	8	-	6	Tr	2-3	1500	1	*
	Upper Heyford	00·7	+4	E	1	bc/f	39	97	39	5	-	4	1	0	4-6	-	1	*
4	Ross-on-Wye	99·8	+4	S'E	1	f/g	37	97	36	6	-	-	2	0	4-6	-	1	*
5	Hartland Point	96·0	-4	ESE	3	b-bc	44	97	43	8	2	4	-	2-3	2-3	2500	1	3
	Bristol ...	99·9	+4	SSE	1	bc	38	97	37	7	1	4	2	2-3	4-6	1500	1	*
	Portland Bill ...	98·6	-8	ESE	4	c	55	85	51	8	5	-	-	10	10	4000		4
	Plymouth ...	96·4	-10	SE'S	2	c-bc	49	75	43	8	2	4	1	4-6	7-8	2500	1	1
	The Lizard ...	94·6	-10	SSE	5	c	53	85	47	8	8	2	-	7-8	9+	1500	0	5
	Scilly (St. Mary's)	92·7	-10	SE'S	5	ir	52	85	49	7	8	7	-	9+	9+	1000	1	3
6	Pembroke ...	95·2	-2	S'E	5	bcq	53	75	44	8	2	4	-	2-3	4-6	2500	1	3
7	Holyhead (Valley)	96·8	+10	SE'S	4	b-bc	47	85	42	9	3	4	3	2-3	2-3	2000	1	2
	Chester (Sealand)	99·2	+12	SE'S	2	z_o	39	92	38	6	-	7	6	0	4-6	-	1	*
8	Manchester ...	00·2	+4	SE'E	3	b-bc	42	85	38	7	4	-	-	2-3	2-3	5700	1	*
10	Spurn Head ...	02·3	+12	S	4	bc	48	85	45	7	7	4	-	2-3	4-6	4000	0	3
	Catterick (Sc.)...	01·5	+2	SSE	2	f-	39	97	39	2	-	-	-	10	10	<150	1	*
	Tynemouth ...	00·7	+6	S	4	z_o	42	92	39	5	-	4	-	0	2-3	-	1	3
11	St. Abbs Head	99·0	+14	S	3	c-bc	42	85	37	6	4	4	-	4-6	7-8	3000	0	3
	Leuchars ...	98·7	+14	S	2	z_o	43	92	41	6	5	3	8	4-6	9+	3500	1	*
12	Renfrew (Abbotsl.)	97·3	+16	ESE	2	z_o	45	92	42	5	5	7	1	7-8	9	2000	2	*
	Eskdalemuir ...	98·5	+20	SE'S	3	pr	41	92	39	6	6	2	-	7-8	10	900	1	*
	Point of Ayre...	96·6	+12	SW'S	3	b-bc	43	92	41	8	3	-	-	2-3	2-3	2500	1	2
13A	Tiree	93·6	+14	SE'S	6	c-bc	49	92	47	8	2	-	8	4-6	7-8	2000	1	4
13B	Stornoway ...	93·8	+30	SSE	6	c	49	75	41	8	8	1	-	7-8	9+	1800	2	4
15	Dalwhinnie ...	97·0	+10	S	3	0	40	92	38	7	5	-	-	10	10	1500	1	*
	Aberdeen † ...	99·3	+8	SSE	4	z_o	49	85	45	6	9	7	-	7-8	10	1500	1	5
	Wick ...	98·5	+18	S'E	4	c-bc/pr	48	97	48	8	9	-	3	4-6	7-8	800	1	*
16	Sumburgh ..	02·1	+24	SE'S	5	b-bc	49	75	43	8	1	4	8	Tr	2-3	3000	0	3
17	Blacksod Point	88·8	-4	S'E	5	c/r	48	85	44	8	6	-	-	9+	9+	1500	2	4
18	Malin Head ...	91·8	+6	SSE	3	b-bc	41	85	37	8	-	-	1	0	2-3	-	2	3
	Aldergrove ...	95·0	+14	SE'S	1	b-bc	39	85	35	8	2	4	2	Tr	2-3	2500		*
19	Birr Castle ...	92·3	-2	SE	2	c-bc	43	85	39	8	5	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.	90·1	+2	SSE	4	bc/pr	48	92	46	8	8	-	3	2-3	4-6	2500	1	3
	Roches Point	91·4	-2	S	5	ir.	53	85	49	8	6	2	-	4-6	9	1500	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F.	Temperature. Min. Night 18h–7h °F	Temperature. Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Rainfall. Night 18h–7h mm.	Sunshine 17th Hrs. (38)
1	London (Kew)	55	42	29	3	2	3·3
	Croydon ...	57	43	40	7	5	4·3
	S. Farnborough	59	39	30	2	4	5·6
	Boscombe Down	57	38	33	1	3	5·4
	Thorney Island	60	42	37	4	3	*
	Lympne ..	*	48	42	4	-	4·7
	Manston ...	57	48	42	3	-	4·1
2	Shoeburyness ...	58	41	37	3	Tr	4·7
	Felixstowe ...	58	46	41	2	0·4	3·8
	Gorleston ...	57	47	39	4	0·2	2·3
	Mildenhall ...	57	42	35	3	Tr	3·0
	Cranwell ...	53	34	29	9	-	2·5
3	Birmingham ...	53	39	31	2	0·4	3·6
	Upper Heyford	55	38	34	2	2	*
4	Ross-on-Wye	55	37	28	3	-	2·9
5	Hartland Point	53	41	39	9	1	3·8
	Bristol ...	57	32	30	2	-	4·1
	Portland Bill ...	57		*	3		*
	Plymouth ...	56	48	41	2	Tr	4·7
	The Lizard ...	53	49	*	2	-	
	Scilly (St. Mary's)	53	47	*	3	5	5·0
	Guernsey ...						
6	Pembroke ...	54	46	*	6	15	2·2
7	Holyhead (Valley)	54	45	42	0·1	9	*
	Chester (Sealand)	54	39	31	5	1	2·7
8	Manchester ...	40	41	35	9	0·3	*
10	Spurn Head ...	55	47	*	0·8		1·6
	Catterick (Sc.)...	51	36	30	14	-	0·9
	Tynemouth ...	53	42	40	7	-	*
11	St. Abbs Head	51	37	*	5	-	*
	Leuchars ...	53	38	27	10	1	0·0
12	Renfrew (Abbotsl.)	47	37	30	20	4	0·0
	Eskdalemuir ...		35	29		2	0·0
	Point of Ayre...	49	38	*	10	5	0·0
13A	Tiree	52	43	40	0·1	4	0·0
13B	Stornoway ...	52	43	41	4	19	0·0
15	Dalwhinnie ...	48	36	33	17	13	0·0
	Aberdeen † ...	52	41	35	1	6	0·0
	Wick ...	53	37	35	-	0·2	*
16	Sumburgh ..	51	45	44	Tr	1	0·0
17	Blacksod Point	53	44	*	1	8	*
18	Malin Head ...	49	39		-	-	2·3
	Aldergrove ...	47	38	32	-	0·2	0·3
19	Birr Castle ...	54	36	30	-	1	6·1
20	Valentia Obsy.	53	43	36	0·2	4	5·4
	Roches Point	54	45	-	Tr	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T... 17th October ... 18h. G.M.T. | 01h. G.M.T. 18th October ... 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
100	81	05654	45628	6-	05553	43728	8-	01784	46714	9-	82656	45526
115	52	09635	45628	52	81635	45688	52	62735	83768	24	02864	12524
203				5-	61738	08328						
206	62	05656	10428	62	05645	08668	50	01863	18563	5-	01863	00024
210	51	05645	10538	02	61548	08468	50	01951	14511	24	01853	10324
219	87	61975	12268	5-	84638	00068	62	62635	17568	8-	10844	12466
230	62	62855	00068	52	64647	22368	8-	01854	21264	5-	02855	16165
245	5-	22538	45563	62	62438	43668	54	01853	18164	84	02783	15287
260	5-	41428	12228	5-	62538	18468	5-	05548	04328	54	05654	08225
278												
279	52	62645	02168	57	22863	24265	53	02864	14315	84	22764	12264
285	52	64645	06368							23	05625	10416
288				57	01861	52512	04	01790	13321	04	08490	22312
575	1-	02864	18116	83	02964	16227	03	01790	14215	57	02855	14316
301	62	64624	23568	26	01654	12314	04	05630	14363	04	05590	12314
321	52	64436	18468	44	05663	14263	04	01790	14211	54	47254	10205
290	5-	66638	12668				40	01753	16413	50	01753	18313
292	62	64537	18368	40	01763	18263	00	05590	12220	00	47190	00000
310										--	46109	10149
614	57	22534	20267	84	05553	12113	00	05630	16301	00	47090	00001

13h. G.M.T... 17th October ... 18h. G.M.T. | 01h. G.M.T... 18th October ... 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
338	22	02853	21026	62	10956	04187	30	10843	18184	54	01863	47513
334												
340	72	22953	26266	80	02664	14215	04	01830	16381	54	04552	14202
136	6-	22624	18367	50	01851	18112	03	02790	14315	53	01753	12314
336												
350	2-	01955	22465	40	01863	18213	54	01774	14484	24	05561	14314
368	10	01864	26214	30	01863	20484	21	01852	20113	54	01554	12214
379	80	02844	22362	8-	25745	16487	50	01814	16384	54	01662	14384
390	70	05565	22265	10	08461	16311	03	25550	18185	23	25564	14186
882	20	01654	23464	8-	81757	21387	76	01753	00048	84	41562	00085
438							8-	81756	21486	84	02754	18415
430				94	25745	16386	20	01753	18224	10	01743	00014
409	36	81854	18385	36	26944	18385	26	01853	13313	27	01852	14413

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

Stations	Weather. Morning	Weather. Afternoon	Weather. Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h.
Kew ...	r.r.c.bc	bc.pr.b.bc	bc.c.r.r.c	2 8 10 17
Croydon ...	c.r.r.m.bc	c.bc.pr.o	bc.pr.b.bc.r.o.	
Greenwich ...	r.r. bc	bc ⊕ c.y	c.r.c.r.r.bc	Min. 12 noon 17
Camden Square	o	bc	*	<0·1
Kensington ..	o.r.bc	bc	*	
Hampstead ...	o.r.bc	bc	o.r.bc	

Stations.	Temperature. Day Max °F	Temperature. Night Min °F	Min on grass °F.	Rainfall. Day mm	Rainfall. Night mm	Sunshine to sunset hrs	Humidity. 15h %	Humidity. 9h %
						Yesterday		To-day
Kew	55	42	29	3	2	3·3	*	*
Croydon ...	57	43	40	7	5	4·3	*	*
Greenwich ...	59	42	33	1	2	5·0	52	77
Westminster ...	59	45	38		4		51	87
Regents Park ...	57	43	41	1	3		57	79
Camden Square	59	43	34	1	4	*	*	90
Kensington ...	58	43	32	1	4		69	79
Hampstead ...	56	43	35	1	3		*	86

SECRET

Page 1

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

BRITISH SECTION

Tuesday 19th October 1943

No. 29916

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

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)	00·9	-6	SE'S	3	c	59	65	47	8	3	–	8	7-8	9	2500
	Croydon ...	02·0	-6	SE	4	bc	58	55	44	8	7	–	2	4-6	4-6	4000
	S. Farnborough	00·6	-6	SSE	3	c	57	75	48	8	8	6	3	4-6	9	2500
	Boscombe Down	99·8	-8	SE'S	5	cbc	57	75	49	8	2	6	–	7-8	7-8	2000
	Thorney Island	00·7	-4	SE'E	4	cbc	59	75	51	8	8	6	3	4-6	7-8	1800
	Lympne ...	02·9	-6	SE	4	cbc	57	75	49	8	1	–	8	4-6	7-8	2200
	Manston ...	02·8	-6	S'E	4	bc	58	65	46	8	1	–	1	4-6	4-6	2500
2	Shoeburyness ...	03·6	-2	S'E	3	bc	58	65	47	8	2	[illegible]	–	4-6	4-6	4000
	Felixstowe ...	03·2	-2	SE	3	b-bc	60	75	50	8	1	–	–	2-3	2-3	2500
	Gorleston ...	03·4	-2	SSE	4	bc	59	75	53	7	2	–	–	4-6	4-6	2000
	Mildenhall ...	02·3	-2	SSE	4	oc	59	55	44	8	2	–	1	4-6	4-6	4000
	Cranwell ...	02·0	-8	S	3	cbc	56	75	47	7	2	–	5	7-8	7-8	2500
3	Birmingham ...	00·4	-4	SE	3	c	53	75	45	7	5	7	–	4-6	9	1500
	Upper Heyford	99·8	-10	SSE	3	c	56	75	47	8	8	6	–	7-8	9	2000
4	Ross-on-Wye	98·6	-12	ESE	3	c	54	75	46	7	5	7	–	7-8	9+	2500
5	Hartland Point	94·1	-10	ESE	3	c	54	92	51	8	1	7	3	1	9	1500
	Bristol ...	98·6	-10	SE	2	ic	54	85	48	7	8	–	–	9+	9+	3400
	Portland Bill ...	97·8	-12	SE	5	c	57	85	53	8	2	4	–	4-6	10	4000
	Plymouth ...	94·0	-22	SE'S	4	c	57	75	49	8	2	7	–	2-3	9+	2000
	The Lizard ...	92·1	-20	SSE	7	c	56	85	53	8	8	6	–	7-8	9+	1500
	Scilly (St. Mary's)	90·6	-18	SE'E	5	c/r	55	85	51	7	6	7	–	7-8	10	800
	Guernsey ...															
6	Pembroke ...	94·5	-10	SE'E	7	cq	53	85	51	8	8	7	–	7-8	9+	2000
7	Holyhead (Valley)	97·0	-6	SE'S	3	zo	57	55	42	5	2	7	5	Tr	2-3	3000
	Chester (Sealand)	98·9	-8	SE	2	zo	55	65	45	5	2	–	–	9	9+	3000
8	Manchester ...	00·2	-6	SE	4	bc	56	65	42	7	1	–	3	2-3	4-6	3100
10	Spurn Head ...	02·7	-2	SE	3	bc	57	75	50	8	2	3	–	2-3	4-6	4000
	Catterick (Sc.) ...	02·1	-2	–	0	f	43	97	43	3	–	–	–	10	10	<150
	Tynemouth ...	02·4	0	SSE	3	zo	51	85	45	6	–	3	–	0	2-3	–
11	St. Abbs Head	01·1	+8	SE	3	bc	52	75	44	7	2	4	–	2-3	4-6	3500
	Leuchars ...	01·2	+10	SSE	3	cbc	54	75	45	8	2	7	9	1	7-8	3000
12	Renfrew (Abbotsl.)	99·7	+6	SE	3	bc	54	55	39	7	2	3	2	2-3	4-6	2500
	Eskdalemuir ...	99·3	+6	SE'S	3	bc	51	65	38	8	8	4	–	2-3	4-6	2500
	Point of Ayre ...	99·1	+12	SW	5	bc	55	65	45	8	2	4	–	2-3	4-6	2000
13A	Tiree	96·8	+6	S'E	4	c	53	92	51	9	1	5	6	7-8	9	2000
13B	Stornoway ...	96·6	+10	SSE	5	c	52	65	42	9	1	–	6	2-3	9+	2500
15	Dalwhinnie ...	99·3	+4	SSE	4	cbc	48	75	39	7	8	4	9	2-3	7-8	2500
	Aberdeen ...	02·3	+14	SSW	3	bc	52	75	43	7	1	–	6	2-3	4-6	2500
	Wick ...	01·2	+10	SSE	4	cbc	52	75	48	7	8	4	6	4-6	7-8	2000
16	Sumburgh ...	04·3	-2	SE'E	5	c	51	85	46	8	1	9	6	Tr	9+	2500
17	Blacksod Point	90·0	+2	SE'S	4	c	54	85	49	8	6	–	–	9+	9+	1500
18	Malin Head ...	93·2	0	SE'E	4	cbc	53	85	48	8	8	–	6	4-6	7-8	1500
	Aldergrove ...	95·8	+2	SSE	3	pr	50	92	48	7	8	1	–	7-8	9+	1500
19	Birr Castle ...	92·4	-6	SSE	3	c	55	75	47	8	8	7	–	7-8	9	1500
20	Valentia Obsy.	88·7	-14	SSE	4	c	56	75	48	9	2	7	–	4-6	9+	2500
	Roches Point	90·3	-10	SE'E	5	cbc	55	85	50	8	3	–	3	4-6	7-8	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	°Temp. (21)	%Humid. (22)	°Dew Point. (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)	99·9	-6	ENE	3	c	54	75	44	6	5	–	8	7-8	9+	2500	1	•
	Croydon ...	00·8	-6	SSE	3	c	53	85	47	6	5	7	–	7-8	9+	2000	0	•
	S. Farnborough	99·1	-2	ESE	3	c	53	85	48	7	5	3	–	4-6	9	4000	0	•
	Boscombe Down	97·8	-4	SE	6	c	52	85	48	6	5	2	–	7-8	9	1500	1	•
	Thorney Island	98·6	-10	SEE	5	c	55	75	48	8	5	7	–	4-6	10	2500	1	•
	Lympne ...	01·9	-6	SE	4	c	54	75	47	8	5	3	–	4-6	9	1100	0	5
	Manston ...	02·6	+2	SSW	4	c	55	75	46	7	–	3	7	Tr	10	1800	0	•
2	Shoeburyness ...	03·0	-6	SE	4	c-bc	56	75	48	8	5	7	–	2-3	7-8	4000	1	•
	Felixstowe ...	02·4	-2	SE	4	c	57	75	45	8	5	–	6	4-6	10	2500	0	3
	Gorleston ...	03·1	-2	SE	4	c	56	85	51	7	8	2	–	4-6	10	1500	1	4
	Mildenhall ...	01·7	-2	ESE	3	c	53	85	47	8	–	7	2	0	9+	–	0	•
	Cranwell ...	01·2	-2	SE	3	bc	49	92	46	7	–	7	2	0	4-6	–	0	•
3	Birmingham ...	98·9	-4	ESE	3	z	52	75	44	6	–	7	1	0	4-6	–	1	•
	Upper Heyford	98·6	-6	ESE	3	c	52	75	44	8	–	7	6	0	9+	–	0	•
4	Ross-on-Wye	96·8	-10	E'S	4	c-bc	53	75	45	7	–	5	–	0	7-8	–	1	•
5	Hartland Point	91·4	-14	ESE	3	c/r	53	92	51	8	5	2	–	7-8	10	1500	1	3
	Bristol ...	96·9	-8	E'S	4	ic	53	85	47	6	5	7	–	7-8	10	2500	0	•
	Portland Bill ...	95·6	-6	SE	5	c	56	85	52	8	5	–	–	10	10	4000	1	3
	Plymouth ...	92·0	-10	SSE	5	c/r	55	85	51	7	8	7	–	4-6	9	800	1	3
	The Lizard ...	90·3	0	SW	6	c/pr	54	97	54	7	8	–	–	9+	9+	1500	1	5
	Scilly (St. Mary's)	88·8	-8	SW	4	c	53	97	52	8	8	7	–	7-8	10	1000	1	5
	Guernsey ...																	
6	Pembroke ...	91·6	-8	ESE	7	cq	55	92	53	8	6	–	–	9+	9+	800	0	4
7	Holyhead (Valley)	95·2	-16	E'S	2	c	51	85	47	8	8	6	–	1	9+	2000	1	•
	Chester (Sealand)	98·1	-6	ESE	3	m	53	75	47	4	5	7	–	4-6	9+	3500	0	•
8	Manchester ...	98·9	-6	ESE	4	zo	52	85	46	6	5	7	–	4-6	9+	4000	1	•
10	Spurn Head ...	02·5	0	SE'E	5	bc	53	85	50	7	7	3	1	2-3	4-6	2500	0	3
	Catterick (Sc.) ...	01·2	-2	SE	1	zo	50	92	47	6	5	7	–	2-3	10	2000	0	•
	Tynemouth ...	030	+4	SE	3	bc	52	85	49	7	2	3	1	4-6	4-6	2500	0	3
11	St. Abbs Head	01·3	0	SE	4	c-bc	49	92	47	7	1	4	–	4-6	7-8	2000	0	4
	Leuchars ...	01·8	+4	ESE	2	zo	49	97	47	6	8	7	9	4-6	9+	3000	1	•
12	Renfrew (Abbotsl.)	99·9	0	ENE	3	m	50	75	41	4	2	4	–	2-3	4-6	2500	1	•
	Eskdalemuir ...	00·3	+6	ESE	3	bc	46	85	43	8	8	3	–	2-3	4-6	2700	1	•
	Point of Ayre ...	97·2	0	S	6	c	54	75	45	8	9	–	–	10	10	2000	0	4
13A	Tiree	96·7	+4	SE	6	bc	52	92	50	8	–	2	8	0	4-6	–	1	5
13B	Stornoway ...	98·3	+8	ESE	4	c-bc	50	75	42	8	5	4	8	2-3	7-8	2500	1	3
15	Dalwhinnie ...	000	+10	S	3	c	44	85	38	7	5	3	–	7-8	9	2500	0	•
	Aberdeen ...	03·4	+8	ESE	4	zo	50	85	43	6	5	–	1	2-3	2-3	4000	1	4
	Wick ...	03·0	+10	SSE	4	c	50	92	48	8	–	4	7	0	10	–	1	•
16	Sumburgh ...	05·6	+10	SE'E	4	bc	50	92	49	8	2	4	5	2-3	4-6	1500	0	3
17	Blacksod Point	87·9	-10	S'E	5	c	53	85	48	8	6	–	–	10	10	1500	2	4
18	Malin Head ...	93·3	-2	E'S	3	c-bc	52	75	44	8	8	–	–	7-8	7-8	1500	2	3
	Aldergrove ...	94·5	-10	SE	3	c-bc	51	85	45	6	5	7	8	4-6	7-8	2500	1	•
19	Birr Castle ...	90·0	-8	SSE	2	pr	52	92	50	7	9	2	–	7-8	10	800	1	•
20	Valentia Obsy.	86·7	-8	S'E	4	iR	51	85	46	7	6	–	–	10	10	2300	1	3
	Roches Point	87·8	-14	S'E	5	rr	53	97	52	6	6	2	–	4-6	10	800	1	4

PAST 24 HOURS.

Weather. 7h.—13h. 18th (39)	13h.—18h. 18th (40)	18h. 18th to 1h. 19th (41)	1h.—7h. 19th (42)
bcmoc	ccm,	cr.cr.oc	cr.oRr.oc
cbcc	c	cr.or.obc	cr.or.obc.pr.
bmocmoc	cbcc	cr.cr.crrmocrrmobc,r.	
cepr.oc	c	crmocR,moc,prmoc,r.	
bcc	cinss	cpr.oc	pr.omoc
cbc	bcc	cr.or.oRRmo	crrmo
bcbbc	bcc	cir.	cir.
bc	bcc	cr.or.mo	ir rrc
cbc	bcc	cr.or.o	cir.obc
bc	obcc	bcc	cPR
cbbcy	bybcc	cbcc.r.or.r.	cr.or.oc
bcmoc	cbc	bcmmcmocmoiroc	
bcc	cbcca	c	cpr.obc
cmoc	cbcc	cr.or.obc	cr.or.pro
bcc	pcc	cir.	cp.bc
berrc	cr.oc	cir.obc	cir.
bcwcmocir.	cir.oc	cir.oc.pr.oc	cbcrrcmo
c	cc	cpr	c
cr.or.oc	cir.rrm,	cpr.obc	cpr.oc
crrc	cpre	cpr.	pr bcc
cir.oc	cir.pc	cir p	cbc pc
beeprq	cq	crrprq	bcq
cbc	bcypre	cir.o c	
bcm,	cz,z	cb r.r. zo	bcc mo
bbcmbc	bccm,	cmocir.	cir.obc
bc	bc	c	prc
oFof	cm,	cbccm,	cir
bcm	bc	bcc	bcm,r.r.o
cmobcmobc	bcm,bc	bcc	cr.o
cmobccbc	bcm,cm	bcmocmrv	cmoicb.
bcmobcbcy	bcybcbcm	bfcmc	cmobcm
pr.opr.cvbc	bc		bbcc
bcbc	bcc	cbcc	r.or.oc
cbc	cbc	bc	bcc
c	c	cbc	bcc
oifoc	c		coirc
czobc	bcbz,	bbccw	cw
cbcc	cbc	cbcc	c pr.ocm.
c	cir.bc	cpr.	bbc pr.oC
r	a	r	bc
bc	c	bc	r
bcc PR	cp.c	cmobccir.	r.or.oir.ir.
c	pr	•	pr
c	pr	pr	pr
pr	r	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 19th October

Districts	
1 S.E. England ▼	Freshening south wind becoming strong to gale on coast, veering south-southwest and decreasing. Rain spreading from west followed by bright intervals and showers; rather cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ▼	
5 S.W. England ▼	Wind south, strong to gale, severe locally, veering south-southwest and decreasing. Rain at first; showers later with local hail and thunder: rather cold.
6 South Wales ▼	
7 North Wales ▼	
8 N.W. England ▼	
9 N. Midlands ...	Wind southeast becoming strong to gale, decreasing slowly later. Rain spreading from south followed by bright intervals and showers: rather cold.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man ▼	Wind southeast strong to gale, severe locally. Cloudy; rain at times; rather cold.
13A W. Scotland ... ▼	
13B N.W. Scotland	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands	As 12-15
17 N.W. Ireland ▼	Wind south strong to gale, severe locally veering to southwest, decreasing slowly later. Showers with hail and local thunder: rather cold.
18 N.E. Ireland ▼	
19 S.E. Ireland ▼	
20 S.W. Ireland ▼	

GENERAL INFERENCE

A very deep depression off Southwest Ireland is moving north-northeast. Rain will spread northeast across the British Isles followed by showery weather with local hail and thunder. Gales will occur in many districts, severe at exposed places in the North and West.

FURTHER OUTLOOK

Unsettled with showers and bright intervals at first, but rain later.

▼ Warning of southerly gale in operation in districts 1 (part of) 4-8, 12, 13 17-20.
Sever gale in 5-7, 12, 13, 17-20. Times of issue 0650, 0730, 0930 19th Oct. Severe issued at 0930 19th Oct.

Forecasts issued at 1030

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

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 19th October, 1943.

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.

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- 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

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

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

Tuesday 19th October 1943 — No. 29916

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

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	99·1	−6	SE	1	bc	52	97	51	8	5	–	–	4-6	4-6	1500
	S. Farnborough	226	96·8	−6	SSE	3	r.r.	53	92	51	6	5	–	–	10	10	1500
	Boscombe Down	417	96·2	−2	S'E	3	r.r.	51	97	50	6	8	–	–	9	9	1100
	Thorney Island	10	97·6	−4	S	5	c/pr	57	85	53	6	2	–	–	9+	9+	1800
	Lympne ..	283	99·2	−14	SSW	1	c/r	53	85	49	6	5	7	–	9	10	2400
	Manston ...	154	00·1	−12	SE	4	c/f	54	86	50	7	5	–	–	9	9	2800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	00·7	−10	SE	5	rr	55	85	51	7	5	–	–	10	10	2500
	Gorleston ...	5	01·8	−6	S'E	5	c	57	75	48	7	8	–	–	10	10	1500
	Mildenhall ...	15	99·4	−10	SE	3	r.r.	53	85	49	7	5	–	–	10	10	5600
	Cranwell ...	203	98·7	−20	SE	2	z.	50	92	47	6	5	1	–	4-6	10	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	99·9	−12	SE	3	c/r	51	92	49	7	5	–	–	9	9	1100
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	92·0	−4	S	3	c	51	97	50	8	2	6	8	Tr	9+	2500
	Bristol ...	209	99·3	0	SSE	1	c/pr	51	92	49	7	5	–	–	7-8	7-8	2500
	Portland Bill ...	32	99·8	+6	SSW	5	c	57	92	55	7	5	–	–	10	10	4000
	Plymouth ...	86	99·5	+8	SW	5	pr	55	85	50	8	9	1	–	2-3	10	5500
	The Lizard ...	240	93·2	+14	SSW	5	pr	54	85	49	7	5	–	–	10	10	1000
	Scilly (St. Mary's)	163	91·8	+12	WS	5	c/pr	52	85	48	8	8	6	–	9	9+	1500
	Guernsey ...	175															
6	Pembroke ...	142	90·4	+10	SW	5	c/pr	55	85	51	8	8	6	–	7-8	9+	2000
7	Holyhead (Valley)	32	91·1	−18	SE'E	4	c	53	85	47	8	5	7	–	7-8	9	3000
	Chester (Sealand)	16	95·6	−10	SSE	3	c/f	52	85	47	6	–	3	–	0	9	–
8	Manchester ...	230	96·4	−14	ESE	4	c/f	51	85	47	7	5	3	–	4-6	9	3000
10	Spurn Head ...	29	01·1	−4	SE	5	c	54	85	49	7	7	3	–	4-6	9	2500
	Catterick (Sc.)...	192	98·9	−16	SE	2	z.	49	97	48	6	5	3	–	2-3	4-6	1600
	Tynemouth ...	108	00·7	−8	SE	4	c.bc	52	92	49	7	8	–	–	7-8	7-8	2500
11	St. Abbs Head	280	00·0	−14	SE	5	c	51	92	49	7	5	–	–	9+	9+	1500
	Leuchars ...	36	00·0	−14	SE	3	z.	52	92	50	6	5	2	–	7-8	10	1000
12	Renfrew (Abbotsl.)	19	97·7	−18	E'N	3	z.	49	85	46	6	5	7	–	4-6	9+	1800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	93·6	−20	S'E	6	c	54	75	47	7	6	7	–	4-6	9+	800
13A	Tiree	44	94·8	−14	ESE	3	bc	51	97	51	8	–	3	1	0	4-6	–
13B	Stornoway ...	12	97·9	−10	SSE	5	b	49	85	45	8	–	4	–	0	1	–
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	02·1	−10	SE	2	z.	51	92	49	6	5	–	–	10	10	1100
	Wick ...	114	03·0	−6	SE	3	c	51	97	51	7	2	3	2	7-8	9	2500
16	Sumburgh ..	19	06·1	−2	ESE	3	c	51	85	49	8	5	6	–	2-3	9+	2000
17	Blacksod Point	18	84·6	−20	ESE	3	rr	49	92	47	7	6	2	–	7-8	10	1500
18	Malin Head ...	84	89·5	−26	SSE	5	c.bc	53	75	45	6	2	–	9	4-6	7-8	1500
	Aldergrove ...	268	90·9	−6	ESE	4	ir.	51	85	47	6	5	7	–	7-8	9+	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	85·9	−4	SW'S	3	c.bc	48	92	46	8	8	–	–	7-8	7-8	2500
	Roches Point	22	87·4	+10	WSW	3	bc	51	92	49	8	3	–	5	1	4-6	1500

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

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)	99·0	+8	SSW	3	r.r.	52	92	50	6	5	2	–	4-6	9+	2500	1	*
	Croydon ...	00·0	+10	S	2	pr	53	85	50	7	6	9	–	4-6	9+	2000	1	*
	S. Farnborough	98·6	+14	SSE	2	r.r.	51	92	49	6	7	–	–	7-8	9	2000	1	*
	Boscombe Down	98·0	+14	S	3	bc/pr	48	97	48	7	8	3	3	2-3	4-6	3500	1	*
	Thorney Island	99·8	+20	SWS	2	ir	53	92	52	6	6	3	–	4-6	9	800	2	*
	Lympne ..	01·1	+8	SSW	5	c/r	54	92	51	6	5	2	–	9	9+	1000	1	5
	Manston ...	00·8	+6	SW	4	pr	54	92	52	7	2	7	–	7-8	10	800	1	*
2	Shoeburyness ...	01·1	+10	S	5	rr	55	92	52	6	6	2	–	7-8	10	800	1	*
	Felixstowe ...	00·8	+4	SSE	5	c	55	92	52	7	5	–	8	7-8	9	4000	1	5
	Gorleston ...	00·7	−4	S	5	c.bc	55	85	51	7	8	3	8	4-6	7-8	2000	1	5
	Mildenhall ...	99·4	+4	SSE	4	c.bc	53	92	50	8	5	7	1	1	7-8	5700	1	*
	Cranwell ...	97·9	−2	SE	3	z.	50	97	50	6	5	–	–	10	10	1000	1	*
3	Birmingham ...	96·5	+4	S	2	z.	49	92	47	6	5	7	–	2-3	7-8	1500	1	*
	Upper Heyford	96·8	+8	S'E	2	pr	50	97	48	6	2	4	1	4-6	7-8	800	1	*
4	Ross-on-Wye	96·5	+6	S'W	2	b.bc	50	92	48	7	5	4	9	1	2-3	1500	1	*
5	Hartland Point	93·1	+6	S	3	b.bc	49	92	48	8	4	4	4	1	2-3	2000	1	3
	Bristol ...	96·7	+10	S	2	bc	49	92	47	8	5	4	–	2-3	4-6	3000	1	*
	Portland Bill ...	96·7	+6	SW	5	c.bc	57	85	53	8	2	–	–	7-8	7-8	4000	1	5
	Plymouth ...	95·4	+6	SW	4	c.bc	55	75	48	8	8	3	–	4-6	7-8	3000	1	3
	The Lizard ...	93·3	−6	S	6	c.bc	54	92	52	7	5	–	–	7-8	7-8	2000	1	5
	Scilly (St. Mary's)	90·2	−18	S'W	6	c.bc	55	85	51	7	5	7	–	4-6	7-8	1500	0	5
6	Pembroke ...	91·8	+6	S'W	5	bc/r	55	92	53	8	2	4	–	2-3	4-6	2500	1	3
7	Holyhead (Valley)	92·1	+8	SES	6	bc/r	53	85	48	8	2	4	1	2-3	4-6	2000	1	
	Chester (Sealand)	95·1	−2	SSE	2	z.	51	92	49	6	5	2	–	4-6	9+	2500	1	*
8	Manchester ...	95·5	+22	SE'S	3	bc	52	85	48	7	5	4	1	4-6	4-6	2000	1	*
10	Spurn Head ...	99·8	−8	SSE	6	c	53	92	52	8	7	3	–	4-6	9	2500	1	4
	Catterick (Sc.)...	96·5	−6	SE	3	z.	51	97	50	6	5	6	–	9+	10	1500	1	*
	Tynemouth ...	98·6	−8	ESE	5	c/r	52	97	51	7	8	–	–	9+	9+	1800	1	3
11	St. Abbs Head	97·1	−12	ESE	5	ir.	51	92	49	6	5	–	–	9+	9+	1500	1	5
	Leuchars ...	97·9	−10	ESE	4	z.	53	92	52	6	5	2	–	7-8	10	900	1	*
12	Renfrew (Abbotsl.)	95·0	−6	E	3	m	52	85	47	4	5	–	–	9+	9+	1800	1	*
	Eskdalemuir ...	94·8	−8	E'S	4	c	50	85	46	6	5	–	–	10	10	1100	1	*
	Point of Ayre...	91·9	+2	S'W	6	c	54	92	51	7	3	7	–	2-3	9+	1600	0	5
13A	Tiree	91·6	−10	ESE	6	c	53	97	53	8	5	2	–	9	10	3000	1	5
13B	Stornoway ...	95·5	−14	ESE	5	c.bc	52	85	48	8	5	1	5	4-6	7-8	4500	0	3
15	Dalwhinnie ...	96·0	−8	SE	4	c	49	85	45	7	6	–	–	9+	9+	1800	1	*
	Aberdeen † ...	95·0	−10	ESE	3	c	52	92	50	7	5	3	–	9	10	1500	1	4
	Wick ...	01·8	−6	ESE	4	z.	51	97	51	6	6	2	–	9	10	1000	1	*
16	Sumburgh ..	04·7	−10	N'E	2	c.bc	49	92	47	8	8	4	8	1	7-8	2500	1	2
17	Blacksod Point	84·1	−2	E	3	c	48	85	44	8	5	–	–	9	9	1500	2	3
18	Malin Head ...	87·1	−6	SSE	3	c	52	85	48	8	8	2	–	4-6	9+	1500	2	3
	Aldergrove ...	89·5	+4	SSE	3	c.bc	50	92	48	8	3	4	–	7-8	7-8	2500	1	*
19	Birr Castle ...	87·0	−2	SSE	2	c.bc	47	92	45	8	5	–	–	7-8	7-8	2500	1	*
20	Valentia Obsy.	78·2	−30	SEE	6	iR	53	85	49	7	6	2	–	7-8	10	1500	1	5
	Roches Point	83·6	−34	SSE	7	rr	54	97	52	6	6	2	–	4-6	10	800	1	5

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

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 18th October — 18h. G.M.T. — 01h. G.M.T. 19th October — 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	86	02755	45585	86	01754	12324	2-	02755	10415	87	02744	09527
115	24	02464	12224	24	02864	16524	24	02854	12426	54	41527	98451
203	8-	02946	12426							5-	02948	08328
206	24	01863	14324	43	02953	14225	57	01863	06314	57	02854	08665
210	2-	01863	12214				53	02862	08116	57	02754	10325
219	26	02855	14597	44	02863	12686	52	02855	10417	27	02851	08428
230	86	02954	10228	53	02862	10224	5-	02856	06326	52	22857	10168
245	24	01751	17214	24	01761	12414	54	01731	10224	57	05635	10368
260	20	01864	12314				53	08454	12326	5-	51548	12228
278												
279	10	02861	14425	57	05665	12327	57	05665	10427	57	05655	10427
285	13	01754	10514							5-	57228	10458
288	20	01753	12144	05	02790	10326	53	02852	10327	5-	02747	13467
575	87	01854	10325	77	02844	14367	52	22745	47568	57	02846	10217
301	10	05651	13311	57	05664	08328	52	61664	03468	57	05661	12466
321	10	01753	01760				57	61764	12428	57	02735	14366
299	14	01853	16203	84	01753	12313	84	01753	10415	84	22744	14464
292	20	05653	14343	44	05653	08224	57	05664	12327	52	05647	12368
310	20	10625	16515	21	01624	16424						
614	20	05654	15326				52	05656	10328	57	05545	14326

13h. G.M.T. 18th October — 18h. G.M.T. — 01h. G.M.T. 19th October — 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	27	01962	43514	57	02754	43587	27	81744	43628	57	08444	48526
334	--	02744	20315							--	63536	20388
340	17	05633	15427	55	05643	12325				67	02736	15428
136	26	01854	16315	09	01890	12315	5-	02686	13328	54	02864	16367
336	57	02754	12328	57	05644	12328				57	22756	20368
350	8-	02755	12316	03	05690	08324				54	61753	14367
368	87	22644	12367	57	81644	12527	83	02754	16265	83	01859	20269
379				59	02763	10423	5-	61617	43468	54	22505	10468
390	8-	05665	11315	07	05690	10416	57	22653	10265	5-	61458	12228
382	86	02855	13426	07	01890	19324	50	61758	13468	54	22864	15365
438	87	02754	14415	8-	02747	14617	53	02644	15717	82	02745	20786
430	20	02847	10327	52	61864	45568	5-	25856	51587	57	62755	18467
409	87	02854	14687	57	62635	13667	52	62645	17488	27	02835	15485

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 October
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 ...	bc mo c	cc mo	cr. R r. c r.	Kew 24 hours ended 7h.
Croydon ...	c b c c	c	cr. r. b c. p 6	hour Max. Time
Greenwich ...	b b c	b c c	cir. r r	0·3 7-8h
Camden Square	c	c	*	Min. Time
Kensington ...	b c	b c	*	<0·1 0-6h
Hampstead ...	b c	b c or	or	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs	Humidity 15h %	Humidity 9h %
							Yesterday	To-day
Kew	59	50	47	–	9	4·2	*	*
Croydon ...	60	52	48	0·1	3	5·9	*	*
Greenwich ...	61	51	46	–	5	7·1	61	92
Westminster ...	59	52	47	2			64	87
Regents Park ...	60	52	46	–	2		63	90
Camden Square ...	61	51	46	–	2	*	*	91
Kensington ...	60	52	41	–	3		75	81
Hampstead ...	58	50	45	–	3		*	94

SECRET

Page 1

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

Wednesday 20th October 1943 — No. 29917

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

Dist.	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)	996	-4	S	4	c/r	59	75	50	8	8	-	6	4-6	9+	1500
	Croydon ...	00·8	+2	S	4	c-bc	60	75	50	8	2	6	2	4-6	7-8	2500
	S. Farnborough	99·4	-2	S	4	c	57	75	51	8	8	7	-	7-8	9+	2500
	Boscombe Down	97·2	-10	S'E	6	c	57	85	51	8	5	-	-	10	10	1400
	Thorney Island	00·2	-2	S'E	5	c	59	85	53	9	2	7	-	4-6	9+	1500
	Lympne ...	02·6	+6	SSW	5	c	51	75	44	8	2	-	-	9	9	1200
	Manston ...	02·5	0	SSW	5	PR	59	78	50	8	8	-	-	7-8	7-8	1400
2	Shoeburyness ...	02·5	+2	SSW	5	c	60	75	52	8	7	6	-	7-8	8	2500
	[illegible]stowe ...	01·3	-2	S'E	5	bc	61	75	55	8	1	4	-	4-6	4-6	4000
	Gorleston ...	01·2	0	SW	5	pr	57	75	46	7	8	4	-	4-6	7-8	2000
	Mildenhall ...	99·3	-6	S'E	4	bc	60	75	50	8	2	6	-	4-6	4-6	2500
	Cranwell ...	97·8	-8	S	4	c-bc	58	75	49	8	2	-	-	7-8	7-8	2000
3	Birmingham ...	96·2	-8	SSE	4	c	57	65	46	8	5	-	6	7-8	8	500
	Upper Heyford	96·0	-8	SSE	4	c	57	75	48	8	5	-	-	9+	9+	2000
4	Ross-on-Wye	93·9	-22	SSE	4	c	58	75	48	8	5	1	8	2-3	9+	2500
5	Hartland Point	86·2	-56	SSE	5	id.	56	97	55	8	3	2	-	2-3	10	800
	Bristol ...	94·8	-18	SE	5	c	57	75	50	8	5	2	-	4-6	9+	4000
	Portland Bill ...	96·2	-14	S	8	o	59	92	57	7	5	-	-	10	10	4000
	Plymouth ...	85·2	-52	S'E	7	r.	57	92	55	6	5	-	-	9	10	1500
	The Lizard ...	87·6	-28	SW	7	rr	51	97	51	8	5	-	-	10	10	800
	Scilly (St. Mary's)	83·7	-18	SW	8	rr	53	92	51	5	5	6	-	7-8	9	600
	Guernsey ...															
6	Pembroke ...	84·0	-40	SSE	8	rr	56	97	55	6	6	2	-	7-8	10	2000
7	Holyhead (Valley)	89·0	-34	SE	7	c	57	65	45	8	2	7	-	Tr	9+	3000
	Chester (Sealand)	94·0	-10	SSE	5	c	58	65	48	8	2	3	1	4-6	9	2500
8	Manchester ...	94·8	-10	SSE	5	c-bc	57	75	48	7	2	6	-	4-6	7-8	2000
10	Spurn Head ...	98·5	-6	S	6	bc	57	75	49	7	2	6	-	4-6	4-6	2500
	Catterick (Sc.) ...	96·0	-6	SE	3	z.	55	65	41	6	8	-	-	9+	9+	2000
	Tynemouth ...	97·0	-10	SSE	4	bc	54	85	49	7	8	-	-	4-6	4-6	1800
11	St. Abbs Head	95·3	-2	ESE	4	c-bc/pr	51	97	50	7	5	4	-	4-6	7-8	2000
	Leuchars ...	95·2	-18	ESE	4	c	54	92	52	6	5	5	-	7-8	10	1000
12	Renfrew (Abbots I.)	92·7	-20	ESE	3	z.	58	75	50	6	8	-	2	7-8	9+	2000
	Eskdalemuir ...	92·9	-16	SE'E	4	c-bc	53	75	44	7	7	-	-	7-8	7-8	1600
	Point of Ayre ...	94·0	-20	S	6	c	58	85	52	7	2	-	6	2-3	9	2000
13A	Tiree	90·9	0	SE	6	bc	55	92	54	7	-	3	1	0	4-6	-
13B	Stornoway ...	92·7	-16	ESE	6	c-bc	55	85	49	8	7	4	-	4-6	7-8	3000
15	Dalwhinnie ...	94·4	-18	SE	4	pr	50	85	45	7	6	-	2	9	9+	1500
	Aberdeen ...	97·2	-16	SE	4	c/r	54	85	51	6	5	2	-	9	10	1000
	Wick ...	99·6	-4	E'S	4	z.	53	92	52	6	6	2	-	7-8	10	700
16	Sumburgh ...	02·9	-12	E'S	4	z.	52	97	51	6	5	-	-	10	10	400
17	Blacksod Point	72·9	-84	ESE	7	ir	54	85	49	7	6	2	-	4-6	10	1500
18	Malin Head ...	85·4	-22	E'S	5	c-bc	55	75	47	8	8	-	-	7-8	7-8	1500
	Aldergrove ...	87·1	-26	SE	5	c	55	75	48	8	8	3	8	4-6	9	2000
19	Birr Castle ...	75·3	-82	SSE	5	rr	53	92	51	7	6	2	-	7-8	10	800
20	Valentia Obsy.	65·6	-38	SW'S	9	ir	49	92	47	6	6	-	-	10	10	900
	Roches Point	75·4	-10	SSW	6	bc/r	54	92	52	8	5	-	5	4-6	4-6	1500

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

Dist.	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)	95·6	-24	SSE	5	rr.	57	92	55	6	6	2	-	7-8	10	1500	1	*
	Croydon ...	97·4	-26	SSE	5	rr	57	92	54	6	5	2	-	7-8	10	1000	1	*
	S. Farnborough	94·4	-26	SE	5	r.	57	92	55	6	6	2	-	9+	10	1200	1	*
	Boscombe Down	94·3	-6	SW'S	5	r.	51	97	51	6	6	2	-	7-8	10	400	1	*
	Thorney Island	95·5	-24	SSE	7	ir	60	85	54	6	6	7	-	7-8	10	1500	1	*
	Lympne ...	00·9	-6	S	5	ir.	58	85	53	7	4	2	-	2-3	10	1500	1	§5
	Manston ...	01·4	-12	S'E	6	c	59	75	51	8	5	7	-	7-8	9+	2000	0	*
2	Shoeburyness ...	99·5	-12	SW	5	ir	60	75	52	5	5	-	-	10	10	800	1	*
	[illegible]stowe ...	00·0	-10	SE	6	c	58	75	51	8	9	-	-	10	10	2500	0	5
	Gorleston ...	01·6	-8	SSE	6	ir.	58	75	50	7	8	4	-	4-6	7-8	1500	1	4
	Mildenhall ...	97·7	-18	SE'S	6	c	58	75	51	8	5	7	-	4-6	10	1500	0	*
	Cranwell ...	24·9	-18	SSE	5	ir	55	85	50	6	5	2	-	7-8	10	1500	1	*
3	Birmingham ...	91·6	-28	S	4	rr	50	92	48	6	6	-	-	10	10	800	1	*
	Upper Heyford	92·3	-28	SSE	6	r.	56	92	54	6	6	2	-	9	10	900	1	*
4	Ross-on-Wye	90·0	-14	S'W	3	rr	51	92	49	6	6	2	-	4-6	10	800	1	*
5	Hartland Point	87·1	+10	WSW	5	bc/pr	55	75	49	8	3	6	-	4-6	4-6	1200	1	4
	Bristol ...	91·6	-10	SSW	4	ir	51	92	49	6	6	2	-	4-6	10	800	1	*
	Portland Bill ...	93·9	+10	SSW	7	rr	58	92	56	7	5	-	-	10	10	2500	1	6
	Plymouth ...	90·6	+10	SW	7	c/r	56	85	50	7	8	-	-	7-8	9+	1200	1	5
	The Lizard ...	90·8	+20	SW	6	bc/pr	51	85	46	7	8	-	-	4-8	4-6	1500	1	5
	Scilly (St. Mary's)	88·4	+32	WSW	7	c-bc/p	52	65	41	8	8	6	5	4-6	7-8	1000	1	6
	Guernsey ...																	
6	Pembroke ...	85·6	+16	SW	7	rr	51	97	51	7	8	6	-	7-8	9+	1500	1	5
7	Holyhead (Valley)	83·7	-10	S'E	6	c-bc/r	52	92	49	8	8	-	-	7-8	7-8	1500	1	5
	Chester (Sealand)	87·2	-50	SSE	3	rr	49	92	48	6	5	2	-	9	10	800	1	*
8	Manchester ...	87·9	-46	SE'S	7	RR	56	75	49	7	6	2	-	9+	10	600	1	*
10	Spurn Head ...	93·6	-16	SE'S	7	z.	56	85	50	6	7	7	-	7-8	10	2500	0	4
	Catterick (Sc.) ...	93·1	-20	SE	5	ir.	54	92	51	6	5	-	-	10	10	1000	1	*
	Tynemouth ...	94·2	-20	SE	5	c	53	92	51	7	5	-	-	9+	9+	1800	1	4
11	St. Abbs Head	92·2	-16	SE	5	c	51	92	48	6	5	-	-	9+	9+	2000	0	4
	Leuchars ...	92·3	-18	RSE	5	z.	52	97	51	6	5	2	-	7-8	10	800	1	*
12	Renfrew (Abbots I.)	88·2	-30	E	4	m	54	85	49	4	5	3	-	2-3	10	2000	1	*
	Eskdalemuir ...	89·0	-24	ESE	6	c	52	65	42	6	3	-	-	10	10	1500	1	*
	Point of Ayre ...	83·1	-44	SSE	7	RR	54	92	52	6	6	2	-	4-6	10	500	1	5
13A	Tiree	84·2	-38	ESE	6	c	55	92	52	7	5	3	-	1	10	2500	1	5
13B	Stornoway ...	89·1	-22	E	6	c-bc	53	85	49	8	5	-	5	7-8	7-8	2800	0	5
15	Dalwhinnie ...	90·3	-10	SE	4	c	49	85	45	7	5	2	-	7-8	10	1500	1	*
	Aberdeen ...	94·7	-16	SE	4	z.	53	92	50	6	5	2	-	9	10	1000	1	4
	Wick ...	97·0	-8	ESE	5	pr	53	92	49	6	8	7	-	2-3	9+	2000	0	*
16	Sumburgh ...	00·6	-10	E'S	5	m	52	97	52	4	5	-	-	10	10	100	1	3
17	Blacksod Point	66·5	-12	SE'E	9	RR	46	97	45	6	6	2	-	4-6	10	1500	2	8
18	Malin Head ...	78·7	-30	E'S	6	RR	47	92	45	7	-	2	-	10	10	800	2	5
	Aldergrove ...	80·7	-26	SE	4	c/r	47	97	46	8	6	-	-	4-6	9+	1000	1	*
19	Birr Castle ...	78·9	+24	SSE	4	bc	48	75	41	8	5	-	-	4-6	4-6	2500	1	*
20	Valentia Obsy.	78·3	+54	SW	7	pr	47	75	40	8	9	7	-	7-8	10	2700	1	6
	Roches Point	81·5	+34	SW'S	6	bc	52	75	44	8	3	-	-	4-6	4-6	1500	1	6

PAST 24 HOURS.

Dist.	Stations (For heights see p. 4.)	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)	cr₀bcc	cr₀c₀	rr₀rr₀qRr₀	cbcbcm₀
	Croydon ...	c	ccrrr₀	crrrr₀cr₀bbc fg	
	S. Farnborough	cpc	cr₀c₀	crrr₀bcb k bc	
	Boscombe Down	cpc	ccrrr₀	bc bcb	
	Thorney Island	ir₀cprbc	bccpr₀crr	cr₀r₀r₀bc	bcpr₀bc
	Lympne ...	c	c	cir rr	cir₀Rcm₀
	Manston ...	cpr₀bc	c	cr₀cRR	cir₀pr₀
2	Shoeburyness ...	rrir₀cm₀bc	cir₀m₀	r₀r₀rrr₀	r₀r₀m₀bc
	[illegible]stowe ...	cir₀prbc	bcc	cr₀Crr	cbbc
	Gorleston ...	cpr	cir₀	r₀r₀	cbc
	Mildenhall ...	cbc	bcc	cir₀r₀r₀	cbcb
	Cranwell ...	c	c₀cir	cm₀	b
3	Birmingham ...	cbcc	c₀R	prr bc	b c b
	Upper Heyford	cbc	ccr₀m₀	cr₀r₀Rbcb	b
4	Ross-on-Wye	bcbc	cRR₀r₀r	rc Pb	bbcb
5	Hartland Point	bccir₀	cphrrr	bcprqbc	bcbbbc
	Bristol ...	bcc	cc₀rr	cm₀rrb2₀	b
	Portland Bill ...	co	orr	c	c
	Plymouth ...	ccir₀	cRRrr	bcc	bcpr₀
	The Lizard ...	c₀rr	r₀rbc	prbc	bc pr c
	Scilly (St. Mary's)	cir	crrp₀	cp₀bc l c	cl pr
	Guernsey ...				
6	Pembroke ...	cqrrm₀	cprq	cl l r r c q	bcc i r q
7	Holyhead (Valley)	c	crrc	cpr₀	cpr₀bc
	Chester (Sealand)	bcm₀c	c r R R	RR r bc	bc m pr
8	Manchester ...	bcc₂	cr₀r₀	RR p bc	bbc
10	Spurn Head ...	bc	cqm₀	cq	bc
	Catterick (Sc.) ...	cm₀	pm₀c	cir₀bcm₀	bm₀
	Tynemouth ...	cbc	bcc	coir bcq	bc bc bcm₀
11	St. Abbs Head	cpcm₀prc	cbccm₀	orc	bcc
	Leuchars ...	cpm₀cm₀	bcm₀cm₀	rrRRm₀c	cir₀cm₀bc
12	Renfrew (Abbots I.)	cm₀m₀z₀	cm₀m₀	cr₀r₀m₀rrbc	bc bcm₀
	Eskdalemuir ...	cir₀c	c	RRiRRRtLRR	
	Point of Ayre ...	c	crrRR	corbc	bcPrpq
13A	Tiree	cbc	bcc	cpr₀cRRbc	bc bc
13B	Stornoway ...	cpr₀c	cbcf	cbc i r₀c	cpr m₀c
15	Dalwhinnie ...	cpr	cpr₀	*	orr c
	Aberdeen ...	cir₀c₂	cm₀	corrq m₀	cr₀bc l₀
	Wick ...	cm₀pr₀	cc i r₀c r m₀	c r r m₀bc	
16	Sumburgh ...	cr₀dm₀	cor₀dm	cm₀ir₀c	c m₀r₀t₀
17	Blacksod Point	r	r	r	pr
18	Malin Head ...	r	r	r	c
	Aldergrove ...	bcc	rrm₀RRm₂₀	bc₀	bc bc bc
19	Birr Castle ...	r	r	*	pr
20	Valentia Obsy.	r	pr	pr	pr
	Roches Point	r	pr	pr	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 20th October

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate or fresh south to southwest winds. Bright periods; showers; local thunderstorms near South coast: rather cold.
4 W. Midlands 5 S.W. England ▼ 6 [illegible]h Wales ▼ 7 North Wales ▼ 8 N.W. England ▼ 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man ▼ 13A W. Scotland ... ▼ 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh south to southwest winds, strong locally. Bright intervals; showers; local hail and thunderstorms: rather cold.
16 Orkneys and Shetlands 17 N.W. Ireland ▼ 18 N.E. Ireland ▼ 19 S.E. Ireland ▼ 20 S.W. Ireland ▼	As 4-15.

GENERAL INFERENCE

A deep depression is centred off Northwest Ireland. There will be showers in all districts, particularly in the North and West with local hail and thunder.

FURTHER OUTLOOK

Little change.

▼ Warning of southerly gale in operation in districts 5-8, 12, 13, 17-20. Times of issue 0650, 0730, 0830, 1100, 19th Oct.

Forecasts issued at 1030

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

7h. Wednesday, 20th October 1943.

10° 5°W. 0° 5° E. 10°

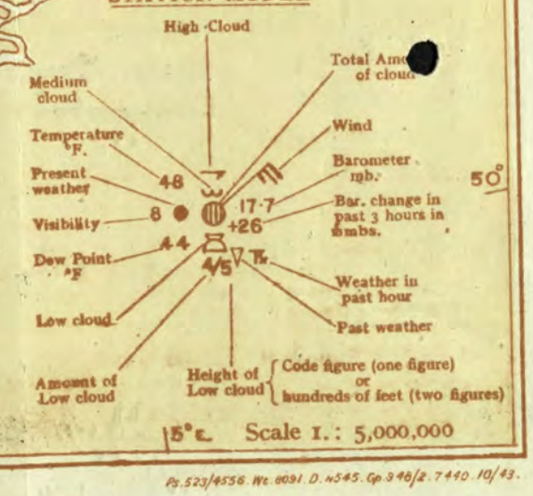
60° 55° 50°

992 994 996 998 1000 1002 1004

LOW

HIGH

STATION MODEL



Scale 1.: 5,000,000

Mb. In.

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

Pt. 523/4556. Wt. 6091. D. w545. Gp. 946/2. 7440. 10/43.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

Morning of

Wednesday 20th October,

1943.

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.

Wednesday 20th October 1943

No. 29917

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	51	*	*	*	*	*	*	*	*	*
	Croydon ...	290	00·2	+18	S	3	b-bc	50	92	47	7	5	7	-	2-3	2-3	1500
	S. Farnborough	226	99·3	+2	SW	2	b	48	92	46	7	-	4	-	0	1	-
	Boscombe Down	417	99·0	+24	SW	3	b	47	85	44	7	-	-	-	0	0	-
	Thorney Island	10	99·8	+22	SW	3	b-bc	53	85	47	7	5	-	-	2-3	2-3	1500
	Lympne ...	283	02·4	+34	SSW	4	c/r	50	97	50	7	5	7	-	4-6	10	1100
	Manston ...	154	00·6	+10	SSW	3	ir0	51	92	49	7	5	-	-	5-4	9+	1800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe, ...	12	00·8	+6	S'W	4	rr	54	85	50	8	5	-	-	10	10	4000
	Gorleston ...	5	99·4	0	S'W	4	ro/g	53	85	48	5	6	-	-	10	10	1500
	Mildenhall ...	15	89·2	+14	S	4	c-bc/r	52	92	49	8	5	-	-	7-8	7-8	4200
	Cranwell ...	203	97·5	+18	SW	4	20	49	92	47	6	5	-	-	2-3	2-3	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	97·4	+26	SSW	3	b	47	85	43	8	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	93·5	+14	NSW	5	bc	52	75	43	8	2	-	-	4-6	4-6	2500
	Bristol ...	209	97·5	+26	SW	4	b	49	75	41	7	5	-	-	1	1	2500
	Portland Bill ...	32	98·4	+16	SSW	6	c-bc	57	92	55	8	2	-	-	7-8	7-8	4000
	Plymouth ...	86	97·3	+18	SWW	6	bc	55	65	45	8	5	-	-	4-6	4-6	2000
	The Lizard ...	240	96·3	+22	WSW	6	b-bc/r	54	75	46	8	4	-	-	2-3	2-3	2000
	Scilly (St. Mary's)	163	93·9	+10	SWW	5	c-bc	54	65	43	7	8	-	-	7-8	7-8	1500
	Guernsey ...	175															
6	Pembroke ...	142	91·5	+30	SW	7	cg	54	65	42	7	5	4	-	7-8	10	1500
7	Holyhead (Valley)	32	90·1	+18	SSW	8	c-bc/pr	52	65	45	8	3	-	-	7-8	7-8	2000
	Chester (Sealand)	16	92·5	+26	S'E	2	20	46	85	42	6	-	-	6	0	4-6	-
8	Manchester ...	230	93·6	+26	S	4	b	48	85	44	8	-	3	-	0	Tr	-
10	Spurn Head ...	29	96·0	+12	S	6	cg	53	85	49	7	8	7	-	7-8	9+	1500
	Catterick (Sc.)...	192	92·3	+14	S	3	20	48	85	44	6	5	5	-	2-3	2-3	2500
	Tynemouth ...	108	01·7	+12	S	5	bc-q	51	85	46	7	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	88·5	+22	S	4	c-bc	50	85	46	7	5	-	-	7-8	7-8	2500
	Leuchars ...	36	88·0	+8	SSW	2	c	51	85	47	7	5	3	-	4-6	9	2500
12	Renfrew (Abbotsl.)	19	86·8	+14	SSE	3	bc/r	48	85	44	7	3	-	3	2-3	4-6	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	88·1	+22	SWW	4	bc/pr	47	85	43	8	3	-	-	4-6	4-6	2500
13A	Tiree	44	81·8	-6	S	4	bc	50	92	47	8	5	2	-	4-6	4-6	3500
13B	Stornoway ...	12	82·6	-32	E	6	c/r	53	92	51	7	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	88·1	-22	SE	5	rr	52	97	52	6	6	2	-	4-6	10	600
	Wick ...	114	89·1	-42	ESE	6	rr	53	97	52	6	5	-	-	10	10	800
16	Sumburgh ..	19	96·7	-26	ES	6	c/r	52	92	51	6	5	7	-	9	10	800
17	Blacksod Point	18	74·0	+30	SW	9	c/r	52	65	41	8	6	-	-	9	9	1800
18	Malin Head ...	84	80·6	+6	S'E	5	bc	45	75	38	8	8	-	-	4-6	4-6	1500
	Aldergrove ...	268	84·7	+18	S'E	4	bc	45	85	39	8	5	3	-	4-6	4-6	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	82·5	+10	SSW	6	bbc/pr	50	85	46	8	3	-	3	2-3	2-3	2500
	Roches Point	22	86·4	+10	WSW	6	bc/pr	53	85	45	8	3	-	3	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 20th October

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)	01·4	+10	S	2	20	48	92	46	6	8	-	-	2-3	2-3	1500	1	*
	Croydon ...	02·5	+12	S-SE	2	bc/rg	46	97	45	7	3	6	-	2-3	4-6	2500	1	*
	S. Farnborough	01·0	+8	S	3	20	45	97	44	6	8	6	3	2-3	2-3	2000	1	*
	Boscombe Down	00·3	+6	SE	3	b	43	92	42	6	3	-	3	1	1	2000	1	*
	Thorney Island	01·6	+10	SWS	4	c-bc	55	75	48	8	5	6	3	4-6	7-8	1500	1	*
	Lympne ...	03·4	+10	SSW	4	c-bc	52	85	49	7	5	3	-	7-8	7-8	1000	1	5
	Manston ...	03·3	+8	SSW	3	bc-pr	50	85	47	7	2	-	-	2-3	2-3	2200	1	*
2	Shoeburyness ...	03·2	+18	SW	4	b-bc	51	85	47	7	2	6	-	1	2-3	4000	1	*
	Felixstowe, ...	02·5	+10	S'W	4	bc	52	92	50	8	8	-	3	2-3	4-6	4000	1	3
	Gorleston ...	01·4	+8	S'W	3	b-bc	51	85	46	7	3	-	-	2-3	2-3	2000	1	3
	Mildenhall ...	01·2	+14	S'E	3	20	48	92	46	6	-	-	-	0	0	-	1	*
	Cranwell ...	00·0	+12	S	2	b	42	92	41	7	-	-	-	0	0	-	1	*
3	Birmingham ...	38·8	+8	SSE	3	20	45	85	41	6	-	7	-	0	Tr	-	1	*
	Upper Heyford	99·6	+10	SSE	2	20	44	92	42	6	5	-	-	Tr	Tr	4000	1	*
4	Ross-on-Wye	97·4	+4	S'E	3	0	45	85	44	8	5	-	1	1	1	2500	1	*
5	Hartland Point	94·2	+6	SW	5	bc	52	75	44	8	2	4	-	2-3	4-6	2000	1	5
	Bristol ...	98·3	+6	S	2	b-bc	47	85	43	8	5	4	-	1	2-3	3000	1	*
	Portland Bill ...	99·1	+2	SW	5	c-bc	58	85	54	8	5	2	3	4-6	7-8	4000	1	*
	Plymouth ...	99·9	+6	SW'S	5	pr	55	85	51	7	8	7	-	4-6	7-8	1800	1	5
	The Lizard ...	95·3	-10	S'W	6	c-bc/pr	57	75	50	7	5	-	-	7-8	7-8	2000	1	5
	Scilly (St. Mary's)	92·8	-4	SW	6	c-pr	55	75	49	7	8	-	-	9+	9+	800	1	6
	Guernsey ...																	
6	Pembroke ...	91·2	0	S'W	7	cg	55	75	47	7	8	-	-	9	9	2000	1	5
7	Holyhead (Valley)	91·7	+10	S'E	7	bc	53	75	46	8	3	4	-	4-6	4-6	2000	1	5
	Chester (Sealand)	95·0	+10	SSE	4	pr	46	85	43	6	8	5	-	4-6	7-8	2000	1	*
8	Manchester ...	96·1	+10	S	4	b	47	85	42	8	4	6	3	2-3	4-6	3000	1	*
10	Spurn Head ...	99·1	+8	S'E	4	b-bc	48	92	46	7	4	-	-	2-3	2-3	1500	1	4
	Catterick (Sc.)...	95·8	+14	S	3	20	44	92	42	5	-	3	-	0	4-6	-	1	*
	Tynemouth ...	95·7	+16	SSW	5	20	47	85	42	6	-	3	2	0	4-6	-	1	3
11	St. Abbs Head	92·7	+8	S	4	c-bc	43	85	38	8	5	4	-	4-6	7-8	3000	0	4
	Leuchars ...	91·8	+14	SSE	2	bc	45	92	43	7	5	3	-	2-3	4-6	5000	1	*
12	Renfrew (Abbotsl.)	89·6	+10	SE	3	20	48	85	44	6	3	3	3	2-3	2-3	800	1	*
	Eskdalemuir ...	93·0	+14	SSE	4	TLR	43	92	41	5	3	2	-	7-8	10	700	2	*
	Point of Ayre...	90·1	+16	SW	6	pr	51	85	48	8	9	-	8	4-6	4-6	2000	1	4
13A	Tiree	83·3	+4	S	7	bc	51	92	49	8	2	7	-	4-6	4-6	2000	1	5
13B	Stornoway ...	84·3	+18	S	7	c	51	75	43	8	8	1	-	7-8	9	2500	1	5
15	Dalwhinnie ...	89·5	+12	SSE	4	rr	44	85	40	7	5	-	-	9+	9+	1500	1	*
	Aberdeen † ...	91·9	+24	SSW	3	b	48	85	45	8	5	4	-	Tr	1	1000	1	4
	Wick ...	89·5	+20	S	5	bc	49	85	45	8	5	4	8	2-3	4-6	1500	1	*
16	Sumburgh ..	91·0	-22	SE'S	5	ro/rg	51	92	49	7	5	7	-	2-3	9+	800	1	3
17	Blacksod Point	78·3	+22	SW'S	7	c/pr	52	75	44	7	9	-	-	9+	9+	1500	2	5
18	Malin Head ...	82·2	+12	S'E	5	c	48	75	41	8	5	-	-	9+	9+	1500	2	4
	Aldergrove ...	86·6	+12	SE	3	c-bc	48	85	42	8	5	-	8	4-6	7-8	4000	1	*
19	Birr Castle ...	93·5	-8	S	5	pr	50	85	55	7	8	7	-	7-8	9	800	1	*
20	Valentia Obsy.	83·2	+18	W'S	4	ir	49	85	44	7	6	2	-	7-8	10	2100	1	4
	Roches Point	84·0	-14	SW	7	ir	52	92	50	7	6	2	-	4-6	9	1500	1	*

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 19th Hrs. (38)
1	London (Kew)	59	45	32	3	8	2·1
	Croydon ...	60	46	41	4	9	2·3
	S. Farnborough	59	44	33	4	9	2·9
	Boscombe Down	58	42	36	4	6	2·3
	Thorney Island	62	50	41	3	15	*
	Lympne ...	59	48	45	5	10	4·5
	Manston ...	60	48	45	2	5	1·5
2	Shoeburyness ...	61	50	44	3	3	3·0
	Felixstowe, ...	61	52	46	T	4	2·3
	Gorleston ...	59	51	45	*	5	4·3
	Mildenhall ...	62	47	44	Tr	5	4·2
	Cranwell ...	60	41	*	Tr	6	4·3
3	Birmingham ...	57	44	36	8	4	3·8
	Upper Heyford	59	42	38	1	8	*
4	Ross-on-Wye	60	47	38	14	4	3·6
5	Hartland Point	57	47	43	8	2	2·2
	Bristol ...	59	46	40	14	1	2·9
	Portland Bill ...	58	55	*	8	3	*
	Plymouth ...	58	53	46	15	1	0·5
	The Lizard ...	56	49	*	9	0·5	1·2
	Scilly (St. Mary's)	56	49	*	10	0·5	2·0
	Guernsey ...						
6	Pembroke ...	57	48	*	10	10	0·9
7	Holyhead (Valley)	59	49	46	5	3	*
	Chester (Sealand)	59	45	39	11	5	3·8
8	Manchester ...	57	45	41	0·4	8	*
10	Spurn Head ...	58	47	*	-	19	4·9
	Catterick (Sc.)...	56	47	38	1	7	2·5
	Tynemouth ...	54	47	43	-	4	*
11	St. Abbs Head	52	42	*	Tr	7	*
	Leuchars ...	54	45	35	3	6	1·5
12	Renfrew (Abbotsl.)	58	44	39	0·1	9	0·8
	Eskdalemuir ...	55	41	38	Tr	17	1·0
	Point of Ayre...	58	46	*	4	10	4·3
13A	Tiree	57	46	45	-	18	2·9
13B	Stornoway ...	55	45	46	Tr	4	2·0
15	Dalwhinnie ...	51	41	37	5	18	0·1
	Aberdeen † ...	54	48	44	0·1	8	0·0
	Wick ...	54	48	42	Tr	5	*
16	Sumburgh ..	52	51	45	0·2	7	0·3
17	Blacksod Point	55	44	*	3	15	*
18	Malin Head ...	56	44		4	1	5·0
	Aldergrove ...	56	44	39	7	0·2	4·2
19	Birr Castle ...	54	46	42	7	8	1·5
20	Valentia Obsy.	55	46	44	18	11	0·5
	Roches Point	56	51	*	11	5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 19th October ... 18h. G.M.T. | 01h. G.M.T. 20th October ... 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	02745	10527	57	05545	10668	5-	05648	43688	57	02743	14424
115	84	02854	41626	57	02844	41526	87	81744	41686	54	02854	12224
203							5-	62948	12328			
206	57	22755	10467				52	63854	41468	53	01963	12314
210	24	02745	16425	53	02846	09527	62	62868	45468	13	01962	15364
219	5-	02866	10466	00	01890	09564	81	81855	12468	8-	02856	15487
230	87	02756	10266	57	02755	41328	57	02853	16168	54	01863	16124
245	52	05647	12168	5-	05637	43557	52	22533	48668	54	01851	18411
260	8-	05654	14325				5-	05638	12328			
278												
279	41	05653	14367	52	62554	14468	52	22645	16568	94	93745	28297
285	27	05625	14427							23	01744	10314
288	50	02855	14515	57	02753	45628	50	01873	18513	53	01951	17413
575	57	02855	41627	87	01241	14365	31	02753	51628	87	07764	43525
301	20	02741	43525	02	66628	08167	26	05651	43464	07	05690	12614
321				52	61744	15468	04	01790	16361	50	01753	14303
299	80	01744	16414				8-	02746	22426	50	01742	22402
292	50	05653	14423							04	05690	12212
310										20	01623	24513
614	56	02753	16426	5-	62658	45568	00	05690	18310	04	05690	16201

13h. G.M.T. 19th October ... 18h. G.M.T. | 01h. G.M.T. 20th October ... 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	57	02875	44727	02	66547	51567	2-	81745	53565	37	25763	48583
334	'--	02745	20517	--	65457	24588				--	25635	22386
340	36	02833	15515	62	66635	16467	40	01862	18422	00	01790	43403
186	2-	02855	18525	07	02890	49526	02	22790	16465	03	01790	15313
336	57	02756	12428	62	62626	20468				57	22754	20467
350	20	01854	14465	62	64645	47668	50	01771	17361	50	01761	14401
368	5-	25847	18527	5-	02744	24428	03	01890	55564	84	01753	16314
379	20	02845	49687	62	62523	47468	00	05600	51460	00	00790	12400
390	82	05650	13425	52	62545	14568	27	05552	14363	50	05562	14102
882	86	02854	49525	52	64634	49668	00	00790	18160			
438	8-	02748	20728	8-	25738		87	02744	22667	80	01754	20614
430	53	02856	47523	5-	64578	49668	17	01751	24213	2-	81745	19385
409	5-	64533	17768	36	23845	18585	20	01853	15413	87	01853	16613

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 20th October
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 ...	crrobcc	crrom ork g R bm		Kew 24 hours ended 7h. Max. Time 0·2 6-7h 20th
Croydon ...	c	ccrrmcor, bcfg		
Greenwich ...	robc	bcor	rrg bcp	Min. Time <0·1 10-24h 19th
Camden Square ...	c	c	*	
Kensington ...	cpc	cr	*	
Hampstead ...	orbc	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	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	59	45	32	3	8	2·1	*	*
Croydon ...	60	46	41	4	9	2·3	*	*
Greenwich ...	61	45	35	1	7	2·6	15	81
Westminster ...	62	49	41	8			73	86
Regents Park ...	60	49	42	2	7		71	77
Camden Square ...	61	48	39	9	*	*	*	85
Kensington ...	61	48	37	2	7		85	83
Hampstead ...	59	46	41	2	8		*	91

SECRET

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

BRITISH SECTION

Thursday 21st October 1943 — No. 29918

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

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)	03·0	0	SSW	4	c-oc	58	75	49	7	8	-	-	7-8	7-8	1500
	Croydon ...	02·8	+1	SSW	4	c-bc/pr	60	65	48	8	8	6	-	4-6	7-8	2500
	S. Farnborough	02·5	0	SW'S	4	bc	60	75	51	8	8	6	3	4-6	4-6	2000
	Boscombe Down	01·6	+8	WSW	5	c/pr	57	75	50	8	9	6	-	4-6	9	1200
	Thorney Island	03·5	-6	SSW	5	c-bc	62	75	53	8	8	-	-	4-6	7-8	2500
	Lympne ...	05·4	-20	SW	5	c-bc	58	75	51	8	2	-	-	7-8	7-8	2000
	Manston ...	05·0	+2	SSW	5	bc	60	63	49	8	2	-	-	4-6	4-6	2000
2	Shoeburyness ...	04·9	+2	SW	5	bc	63	65	51	8	2	-	-	4-6	4-6	4000
	Felixstowe ...	04·0	0	S'E	5	b-bc	59	85	54	8	3	-	-	2-3	2-3	2500
	Gorleston ...	04·1	+8	S'W	5	c-bc	59	65	47	7	2	-	-	7-8	7-8	2500
	Mildenhall ...	02·7	+10	S	4	bc/pr	60	75	51	8	2	-	-	4-6	4-6	2500
	Cranwell ...	99·6	-8	SSW	5	pr	57	75	48	6	5	7	-	7-8	9+	1000
3	Birmingham ...	98·4	0	SSW	5	bc	57	65	46	8	7	-	-	4-6	4-6	2500
	Upper Heyford	00·1	+4	SSW	5	pr	57	75	48	8	2	7	-	7-8	7-8	2500
4	Ross-on-Wye	98·1	+8	S'W	5	bc	60	65	47	8	3	-	3	4-6	4-6	3000
5	Hartland Point	96·8	+2.4	WSW	6	bc/pr	56	75	47	8	2	-	-	4-6	4-6	2000
	Bristol ...	99·5	+6	SSW	5	bc	60	65	49	8	3	6	2	4-6	4-6	1500
	Portland Bill ...	01·6	+16	SSW	6	o	59	85	55	8	2	-	-	9	9	4000
	Plymouth ...	00·6	+14	SW	6	c-bc	59	75	51	7	8	-	2	4-6	7-8	2000
	The Lizard ...	99·6	+16	SW	6	bc	58	75	50	7	4	3	-	4-6	4-6	2500
	Scilly (St. Mary's)	96·9	+10	SW'W	6	b-bc	59	65	47	7	8	-	-	2-3	2-3	1200
	Guernsey ...															
6	Pembroke ...	95·4	+12	SW	6	c-bc/pr	56	75	48	7	2	4	-	4-6	7-8	2000
7	Holyhead (Valley)	92·2	+20	SSW	8	c/pr	56	75	48	7	2	-	-	9	9	2000
	Chester (Sealand)	94·5	0	S	4	pr	52	92	50	7	8	4	-	9	9	1500
8	Manchester ...	94·9	-14	S	7	bc/r	56	65	45	7	9	6	3	7-8	9	1500
10	Spurn Head ...	00·4	0	S	6	b-bc	58	75	48	7	1	3	-	2-3	2-3	4000
	Catterick (Sc.) ...	95·6	-10	SE	4	o	53	92	51	9	5	3	-	7-8	9	2500
	Tynemouth ...	96·0	-12	S	5	o	56	85	52	6	8	3	2	2-3	4-6	2400
11	St. Abbs Head	94·1	-4	SSE	4	o	54	65	43	6	5	4	-	4-6	7-8	3000
	Leuchars ...	93·2	-6	SSE	4	c-bc	55	75	47	8	8	8	1	2-3	7-8	3000
12	Renfrew (Abbots L.)	89·9	-8	ESE	4	pr	53	75	46	6	8	2	-	7-8	10	1100
	Eskdalemuir ...	91·3	-16	SE'S	4	c	51	75	43	7	5	2	-	7-8	9	1800
	Point of Ayre ...	89·3	-8	W	5	c/pr	52	85	48	8	9	6	-	7-8	9	1800
13A	Tiree	84·4	-6	SE	6	ur	50	65	40	5	6	-	-	10	10	800
13B	Stornoway ...	86·6	+6	SSE	5	c	56	75	48	8	2	7	9	2-3	9	2500
15	Dalwhinnie ...	91·0	+6	SE	4	c/pr	46	85	43	7	5	-	-	9+	9+	1500
	Aberdeen ...	94·1	+2	S	5	bc	54	75	46	7	1	3	8	1	4-6	1000
	Wick ...	92·8	+22	SSE	5	bc	52	92	49	8	3	4	3	1	4-6	2000
16	Sumburgh ...	95·8	+18	SSE	4	b-bc	53	85	47	8	1	4	3	1	2-3	2000
17	Blacksod Point	80·2	+6	SW'S	6	c	55	75	47	7	3	-	-	9	9	1500
18	Malin Head ...	82·6	0	S	4	pr	49	85	45	8	8	-	-	9+	9+	1500
	Aldergrove ...	86·4	+10	S	4	pr	49	85	46	7	8	-	-	10	10	1500
19	Birr Castle ...	87·3	+18	SW	3	c	56	65	44	8	8	7	-	7-8	9	1500
20	Valentia Obsy.	85·2	-10	S'W	6	c/pr	53	85	48	8	2	3	3	4-6	9	2200
	Roches Point	89·6	+6	SW	6	-	55	75	47	8	6	2	-	4-6	10	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force. 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
London (Kew)	03·7	+6	SSW	3	b-bc	55	85	49	7	8	+	1	2-3	7-8	2500	1	*
Croydon ...	05·1	+6	SSW	3	b-bc/pr	55	85	51	6	2	-	1	1	2-3	2500	1	*
S. Farnborough	03·6	+4	S'W	3	b-bc	55	85	49	7	8	-	3	2-3	2-3	1200	1	*
Boscombe Down	02·6	+4	SWS	5	bc/pr	54	85	50	7	9	-	3	2-3	4-6	1400	1	*
Thorney Island	04·4	+6	S	4	c-bc	58	85	55	7	8	3	3	4-6	7-8	2500	1	*
Lympne ...	06·3	+4	SSW	4	c-bc	56	85	50	8	5	-	3	2-3	7-8	2000	0	4
Manston ...	05·3	+6	S'E	3	b-bc	56	75	49	8	4	3	-	Tr	2-3	2000	0	*
Shoeburyness ...	05·6	+6	SSW	4	bc	57	85	52	8	5	3	-	4-6	4-6	4000	1	*
Felixstowe ...	05·2	+6	S'E	5	c	57	85	52	7	4	7	-	4-6	9	2500	0	4
Gorleston ...	04·3	+2	S	4	c-bc	57	75	48	7	5	-	-	7-8	7-8	2500	1	4
Mildenhall ...	03·3	+6	S	3	c-bc	56	85	50	7	3	6	2	4-6	7-8	4000	1	*
Cranwell ...	01·3	+16	S'W	3	b-bc	51	85	48	6	4	-	-	2-3	2-3	2500	1	*
Birmingham ...	00·0	+2	SSE	3	b	53	75	45	7	5	-	1	Tr	1	2500	1	*
Upper Heyford	01·5	+10	SSW	4	bc/pr	53	75	45	8	8	-	2	2-3	4-6	2500	1	*
Ross-on-Wye	99·1	0	SSW	4	bc	54	75	45	8	8	-	2	2-3	4-6	3000	1	*
Hartland Point	96·2	0	WSW	5	c	56	85	51	7	3	6	-	7-8	9	2000	1	5
Bristol ...	00·4	+2	SSW	2	bc	55	85	48	6	2	1	1	4-6	4-6	2500	1	*
Portland Bill ...	02·5	+6	SW	6	c-bc	59	85	55	8	2	-	-	7-8	7-8	4000	1	6
Plymouth ...	00·2	-4	SSW	6	c-bc/pr	57	85	53	6	5	-	-	7-8	10	1500	1	5
The Lizard ...	99·2	-4	SW	7	c-bc/pr	56	85	52	7	6	-	-	7-8	7-8	1500	1	5
Scilly (St. Mary's)	96·1	-6	SSW	6	c-bc	55	75	48	7	8	8	8	4-6	7-8	1200	1	5
Guernsey ...																	
Pembroke ...	93·6	-22	SW'S	8	c-bc/pr	56	85	51	7	5	-	-	7-8	7-8	2000	1	5
Holyhead (Valley)	92·5	-10	S'E	7	o	55	75	47	6	8	7	-	7-8	9+	1500	1	5
Chester (Sealand)	96·2	+2	S'E	3	o	53	75	44	6	5	7	9	4-6	7-8	2500	1	*
Manchester ...	97·9	+6	S'E	3	b-bc	53	65	42	8	4	6	-	1	2-3	3000	0	*
Spurn Head ...	00·9	+8	S	5	bc	55	85	49	7	7	4	1	2-3	4-6	2500	1	4
Catterick (Sc.) ...	97·5	+18	SSW	1	o	48	85	44	6	8	6	-	Tr	2-3	2000	1	*
Tynemouth ...	96·2	+12	S	5	c-bc	54	65	42	7	2	3	-	4-6	7-8	2400	1	3
St. Abbs Head	94·4	+20	S	4	bc/r	50	85	46	7	5	4	-	4-6	4-6	3000	1	4
Leuchars ...	93·3	+10	SW	4	o	51	85	47	6	8	6	-	2-3	4-6	3000	1	*
Renfrew (Abbots L.)	91·8	+30	SSW	1	c-bc	48	85	44	6	4	7	1	Tr	7-8	2500	1	*
Eskdalemuir ...	93·8	+22	SE'S	2	bc	46	92	43	8	5	4	-	2-3	4-6	1500	2	*
Point of Ayre ...	92·3	+4	SW'S	1	c	54	75	40	8	6	2	-	7-8	10	2000	1	3
Tiree	86·1	+14	S'E	5	bc	52	92	50	8	5	3	1	2-3	4-6	2000	1	5
Stornoway ...	86·1	+2	SSE	4	c/r	52	85	48	8	5	7	-	9+	10	1600	1	3
Dalwhinnie ...	89·3	+12	SSW	4	c	45	85	42	7	5	-	-	9	9	2500	1	*
Aberdeen ...	92·3	-12	SSE	5	o	53	85	48	6	5	3	6	4-6	9	2500	1	4
Wick ...	91·9	-6	SSE	4	o	52	92	50	6	5	-	-	9+	9+	2000	1	*
Sumburgh ...	96·3	-2	SE'E	5	b	51	92	48	7	5	4	-	Tr	-1	1000	0	3
Blacksod Point	79·1	-8	S	6	c/pr	52	75	44	8	9	-	-	9+	9+	1500	1	5
Malin Head ...	84·0	0	S	4	c-bc	51	75	43	8	8	-	-	7-8	7-8	1500	2	3
Aldergrove ...	87·4	-6	SE'S	4	rr	49	85	46	7	5	-	-	7-8	10	800	1	*
Birr Castle ...	85·3	-14	SW	3	c	50	85	46	8	8	2	-	7-8	10	1500	1	*
Valentia Obsy.	84·7	0	SSW	6	pr	52	85	48	8	3	7	-	4-6	10	2500	1	5
Roches Point	87·9	-6	SSW	8	rr	49	85	47	7	3	-	3	2-3	4-6	1500	1	5

PAST 24 HOURS.

Stations	Weather. 7h.—13h. 20th (39)	13h.—18h. 20th (40)	18h. 20th to 1h. 21st (41)	1h.—7h. 21st (42)
London (Kew)	bbc p r c	cbc	p R T L 6r	c/o c r o c
Croydon ...	bcm o bc pr	bc c pr	b m c z o t l b c b c l c p r o c	
S. Farnborough	bc c p r t l r b c p r o b c p r m o		b c p r t l r b c p r o b c p r o p r m o	
Boscombe Down	b c p r c p r c	c c p r l c b c p r o	b c c t l b c p r o	c p r o b c c p r o c
Thorney Island	c p r b c p r o b c	b c p r o b c	b c	b c b c
Lympne ...	b c c	b c c b c	c b c p r o b c	b b c
Manston ...	b c c p r o b c	b c c	b b c b	b b c w
Shoeburyness ...	b c c p r o b c	b c	b c c	c p r o
Felixstowe ...	b c b	b p r b c c	b	p r o c
Gorleston ...	b c c	b c c	c b c l	b c l w c
Mildenhall ...	p r o b, c p r	b c p r c	c b c b p c c i c o p r m o l b c p r o	
Cranwell ...	b c c p r	c p r o b c m o c m o b c m o	c m o c p r o c	
Birmingham ...	l o, c p r	b c b	b b c	b c p r z
Upper Heyford	b c c p o b c	c p r o b c c p r o	c p r t t b c l h	o p r t l r p r o c
Ross-on-Wye	b c c p o b c	b c b b c	c c P t L b c	b c p o b c
Hartland Point	b c c p r	b c c	b c t c	c t b c
Bristol ...	b c p r o c	b c c b c	b c t l r o	b c c p o m o c
Portland Bill ...	c c	c c	c	c o r r
Plymouth ...	c p r o c p r b c c	q c m o	c T L R m o c	b c
The Lizard ...	c p r o b c	b c p r c	c p r b c	p r b c
Scilly (St. Mary's)	c b c	c p r q c	P t L r q b c l	b c
Guernsey ...				
Pembroke ...	b c q r	c p r c m o q r	b c p r l q r	b c p r c q r
Holyhead (Valley)	c p r o h m o c	c b c j p	b b c c l	c p r a l c p r o
Chester (Sealand)	c p r m o c o	p r b c	c i r a l	c p r o l b
Manchester ...	b c c t t e r o	c p r o b c	p r o p r	b c c b
Spurn Head ...	b c	b c	b c c	c
Catterick (Sc.) ...	b c m o c m o	b c m o p	c r r m o	c m o b c m o
Tynemouth ...	b c	b c c p r o b c		b c
St. Abbs Head	b c c b c m o	c m o r b c	b c m o p r c m o	c m o b c m o b c r b c
Leuchars ...	c p r o b c	c c p r o b c	c i r o m o	c m o c i r b c
Renfrew (Abbots L.)	c p r o m o	b c m o c p r p r	c p r r b c	
Eskdalemuir ...	t c R r b c c	c p R b c	c I R t R	- C R -
Point of Ayre ...	c p r	c b c c	b p r d	c P R L
Tiree	b c	c i R, r c	c b c c b c	b b c p o
Stornoway ...	c	c c i r c	c i d o b c c	e p r b c c i r b c
Dalwhinnie ...	c p r	c p r		c o i r c
Aberdeen ...	b c c b c	o 2 o	c b c z o c p o	c b c z o
Wick ...	c b c	b c b b c	c i d o p r o	c b c c
Sumburgh ...	c r o c, b	b c b	c r p r o	b c c
Blacksod Point	c	p r	p r	p r
Malin Head ...	p r	p r	b c	p r
Aldergrove ...	c b c c p r p r	f o r o t r a b b c		c
Birr Castle ...	p r	p r		p r
Valentia Obsy.	p r	p r	p r	p r
Roches Point	r	r	o r	p r

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

Districts	
1	S.E. England
2	E. England ...
3	E. Midlands ...
4	W. Midlands
5	S.W. England
(Ian)	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 winds mainly from southwest, but southeasterly in North at first, strong to gale on west coasts, slowly moderating; occasional showers with local hail and thunder, some bright intervals; rather cold.

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

As 1–15

GENERAL INFERENCE

A deep depression off northwest Ireland is moving very slowly northwards and is slowly filling up. There will be occasional showers in all districts with local hail and thunder; winds will be strong to gale on western coasts at first, but will gradually moderate; it will be generally rather cold.

FURTHER OUTLOOK

Little change.

* Gale warning in operation in districts 8, 11, (13A & b), 15 time of issue 06·30 on 19th Oct in districts 3, 6, 7, 18, 19 and 20 at 07·30 on 19th Oct in districts 12 at 08·30 on 19th Oct.

Forecasts issued at

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

7h. Thursday, 21st October 1943.

LOW

HIGH

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F.

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in mbs.

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

Scale 1.: 5,000,000

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

Ps. 523/4556. We. 8091. D. w545. Gp. 948/2. 7440. 10/43.

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 21st October

1943.

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. Δ 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 21st October 1943 — No. 23318

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

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	*	*	*	*	*	54	*	*	*	*	*	*	*	*	*
	Croydon ...	290	04·9	-2	SW	5	l	56	85	50	7	2	–	–	2-3	2-3	2000
	S. Farnborough	226	03·0	-6	SSW	4	pr	54	92	52	7	8	–	3	4-6	4-6	1600
	Boscombe Down	417	02·2	-2	SSW	4	pr	53	97	52	7	3	–	3	7-8	9+	2000
	Thorney Island	10	03·5	-6	SSW	6	c-bc	58	85	53	8	4	–	–	7-8	7-8	3000
	Lympne ...	283	06·0	-6	SW	5	bc	55	85	51	8	5	–	–	4-6	4-6	1800
	Manston ...	154	05·3	-8	SSW	4	b	55	85	50	7	1	–	–	Tr	Tr	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	05·0	+2	S	4	b-bc	53	85	52	7	2	–	–	2-3	2-3	4000
	Gorleston ...	5	04·2	-2	SW	4	c-bc	57	85	53	7	8	–	–	7-8	7-8	2500
	Mildenhall ...	15	03·1	-6	SSW	4	c-bc/pr	56	75	49	7	5	7	–	4-6	7-8	4000
	Cranwell ...	203	00·7	-8	SSW	5	Zo	51	92	49	6	5	3	–	4-6	7-8	4000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	01·0	-2	SSW	3	c	52	85	48	8	8	–	7	1	9+	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	96·5	-6	SW	5	l	55	85	50	7	3	–	–	7-8	7-8	1500
	Bristol ...	209	00·3	-2	SW	1	l	51	85	45	7	3	–	–	4-6	4-6	2500
	Portland Bill ...	32	01·5	-14	SSW	6	c-bc	57	85	53	8	2	–	–	7-8	7-8	4000
	Plymouth ...	86	99·7	-10	SW	7	c-bc	57	85	53	7	3	6	3	4-6	7-8	3000
	The Lizard ...	240	99·1	-4	NSW	7	l	55	85	50	8	2	–	–	4-6	7-8	2000
	Scilly (St. Mary's)	163	96·6	+2	SW	5	bc	56	85	50	7	8	6	–	2-3	4-6	1500
	Guernsey ...	175															
6	Pembroke ...	142	94·2	+4	SW'S	7	bcq	57	85	53	7	2	–	–	4-6	4-6	1500
7	Holyhead (Valley)	32	92·7	-2	S	6	l	55	75	49	7	8	–	–	9	9	2400
	Chester (Sealand)	16	96·2	+2	S'E	3	pr	51	85	48	6	9	9	–	7-8	9	2500
8	Manchester ...	230	97·1	-2	S'E	4	c-bc/pr	53	85	47	7	2	6	3	4-6	7-8	4000
10	Spurn Head ...	29	00·8	-6	S	6	c	54	85	50	7	7	–	–	9+	9+	2500
	Catterick (Sc.) ...	192	96·9	-2	S	3	rr	49	97	49	5	5	–	–	10	10	1200
	Tynemouth ...	108	96·6	-6	E'S	5	pr	53	85	47	7	2	–	–	4-6	4-6	2500
11	St. Abbs Head	280	93·2	-14	S	5	c/pr	49	85	44	6	5	–	–	10	10	2500
	Leuchars ...	36	93·1	-6	SSE	2	c/r	49	92	47	6	5	1	–	4-6	10	2000
12	Renfrew (Abbotsl.)	19	90·3	-4	SSE	3	PR	51	85	48	7	3	–	3	7-8	7-8	1500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	90·3	0	SW	5	PR	53	92	51	8	9	–	–	9+	9+	2000
13A	Tiree	44	84·5	-2	S	7	bc	52	92	50	8	3	6	3	2-3	4-6	2500
13B	Stornoway ...	12	85·7	-10	ESE	5	c-bc	51	85	46	8	8	6	–	7-8	7-8	2200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	93·7	-10	S'E	5	ic	51	85	47	6	5	7	–	4-6	9+	900
	Wick ...	114	91·9	-6	SSE	4	pr	52	92	50	8	5	7	–	4-6	7-8	3000
16	Sumburgh ..	19	99·6	-2	SE	5	bc	52	85	48	8	5	–	2	1	4-6	700
17	Blacksod Point	18	77·2	-6	S'W	6	pr	53	85	48	8	9	–	–	9	9	1500
18	Malin Head ...	84	82·0	-12	S	5	c-bc	50	85	46	8	8	–	–	7-8	7-8	1500
	Aldergrove ...	268	86·2	-10	S'E	5	c-bc	51	75	44	8	5	7	6	4-6	7-8	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	84·6	+4	SW'S	6	ir	53	92	51	7	6	2	–	7-8	10	1500
	Roches Point	22	87·9	-6	SSW	6	bc/pr	54	85	50	8	3	–	–	4-6	4-6	1500

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

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)	03·4	0	SSW	3	c	55	85	51	7	8	–	–	9+	9+	2500	1	*
	Croydon ...	03·6	-6	S	3	c	56	85	51	7	8	7	–	7-8	9	3000	1	*
	S. Farnborough	02·0	+2	SSW	3	c/pr	55	85	52	6	9	7	–	9+	10	1200	1	*
	Boscombe Down	01·6	-2	SW'S	3	c/pr	50	97	49	8	8	7	3	7-8	9	1800	1	*
	Thorney Island	03·1	+2	SSW	6	c	53	85	53	9	8	7	3	4-6	9	1500	1	*
	Lympne ...	05·1	-6	SW'S	5	c	56	85	51	8	5	3	–	9	9+	1200	1	5
	Manston ...	05·1	0	S	4	c-bc	56	85	51	7	1	5	–	4-6	7-8	1500	0	*
2	Shoeburyness ...	04·8	-2	S	5	c-bc/pr	57	85	53	8	3	6	3	4-6	9	2500	1	*
	Felixstowe ...	04·3	-2	S'E	5	c-bc/pr	57	85	53	7	8	–	3	4-6	7-8	4000	0	5
	Gorleston ...	04·2	0	S'W	4	c-bc	55	85	50	7	8	4	–	4-6	7-8	2000	0	4
	Mildenhall ...	02·6	+2	SSE	4	pr/c-bc	53	97	52	7	9	–	–	9+	9+	2500	1	*
	Cranwell ...	00·5	+2	S'E	4	c/pr	51	92	50	7	5	7	–	4-6	9	2500	0	*
3	Birmingham ...	99·1	0	S	3	Zo	50	92	48	8	5	7	–	2-3	4-6	1500	1	*
	Upper Heyford	00·5	+2	S	3	c/pr	50	92	48	9	5	7	6	4-6	9	3500	1	*
4	Ross-on-Wye	98·5	-4	SSW	4	b-bc	51	85	46	8	5	–	8	1	2-3	2500	1	*
5	Hartland Point	96·6	+10	SW	4	bc	55	85	51	7	2	4	–	4-6	4-6	1500	1	5
	Bristol ...	00·0	+4	S	3	c-bc	51	85	48	8	5	7	–	4-6	7-8	2500	1	*
	Portland Bill ...	01·6	+8	SW	5	rr	57	85	53	8	5	–	–	10	10	4000	1	5
	Plymouth ...	99·6	+2	SW	6	c-bc	57	97	56	7	8	7	–	4-6	7-8	1500	1	5
	The Lizard ...	98·6	+4	SW	6	bc	54	85	49	7	8	–	–	4-6	4-6	2000	0	5
	Scilly (St. Mary's)	97·2	+6	SW	5	bc	55	85	49	7	8	–	–	4-6	4-6	1200	1	5
	Guernsey ...																	
6	Pembroke ...	93·7	0	SW	6	c/bcq	56	85	50	7	2	–	–	7-8	7-8	2000	1	5
7	Holyhead (Valley)	91·8	0	SSW	8	bc/pr	54	85	48	7	8	6	3	4-6	4-6	2000	1	6
	Chester (Sealand)	96·0	+2	S'E	3	c-bc	50	85	46	8	2	–	9	4-6	7-8	2500	1	*
8	Manchester ...	97·0	+2	SSE	4	c	51	85	46	7	4	6	3	2-3	9	3000	1	*
10	Spurn Head ...	00·8	0	S'E	5	c	52	92	49	7	7	3	–	4-6	9	2500	0	4
	Catterick (Sc.) ...	96·2	0	S	3	Zo	47	97	47	5	5	4	–	4-6	7-8	2500	1	*
	Tynemouth ...	96·5	0	S	5	bc	51	85	46	7	–	4	1	0	4-6	–	1	3
11	St. Abbs Head	93·7	0	SE	4	c-bc	48	92	45	7	5	4	–	4-6	7-8	2500	0	4
	Leuchars ...	92·1	-8	SE	4	c/r	50	85	47	7	5	7	–	7-8	9+	3500	1	*
12	Renfrew (Abbotsl.)	89·2	-2	SE	3	c/pr	52	85	48	7	5	7	–	7-8	9+	1800	2	*
	Eskdalemuir ...	91·8	-2	SE'S	4	RR	47	92	45	6	6	2	–	7-8	10	900	2	*
	Point of Ayre ...	98·6	-2	SW	6	PR	53	85	49	8	9	–	–	9+	9+	2000	1	4
13A	Tiree	82·7	0	SSE	6	c/pr	53	97	51	8	9	–	–	10	10	1000	1	5
13B	Stornoway ...	84·7	-2	SE	4	c-bc/pr	51	85	47	8	5	3	–	7-8	7-8	2500	1	4
15	Dalwhinnie ...	88·5	-4	SSE	5	ir	47	92	46	7	5	–	–	9+	9+	1500	1	*
	Aberdeen † ...	92·2	+2	S	5	Zo	51	85	46	6	5	–	–	7-8	7-8	2500	1	3
	Wick ...	91·6	+4	SE	5	c-bc	51	92	50	8	5	3	–	2-3	7-8	2000	1	*
16	Sumburgh ..	93·4	-2	SE	6	c	52	92	50	8	5	3	–	9	9+	900	1	3
17	Blacksod Point	78·5	+10	SW	7	c	53	85	48	8	9	–	–	10	10	1500	2	5
18	Malin Head ...	81·6	+4	S	6	c	51	85	46	8	8	–	–	9	9	1500	2	4
	Aldergrove ...	86·1	+10	SSE	4	c	51	85	47	8	5	1	–	4-6	9+	1500	1	*
19	Birr Castle ...	86·6	+18	SSW	2	b-bc	50	85	45	8	–	4	–	0	2-3	–	1	*
20	Valentia Obsy.	87·3	+14	SW'S	5	pr	53	85	48	8	8	6	–	7-8	9	2500	1	5
	Roches Point	89·7	+10	SW	6	bc/pr	54	92	52	7	3	–	3	4-6	4-6	1500	1	5

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)	59	53	48	0·4	3	4·1
	Croydon ...	62	54	49	2	0·3	5·4
	S. Farnborough	61	53	45	1	6	6·2
	Boscombe Down	58	48	46	5	11	3·3
	Thorney Island	62	55	53	1	1	*
	Lympne ...	60	54	51	–	Tr	6·3
	Manston ...	61	53	50	Tr	–	7·7
2	Shoeburyness ...	63	54	46	0·1	Tr	7·8
	Felixstowe ...	62	54	50	0·4	0·1	7·5
	Gorleston ...	60	54	48	Tr	*	9·9
	Mildenhall ...	63	52	46	0·3	8	7·2
	Cranwell ...	59	48	45	2	0·1	7·2
3	Birmingham ...	58	49	43	0·2	1	6·8
	Upper Heyford	58	49	45	1	7	*
4	Ross-on-Wye	61	50	45	0·1	3	7·2
5	Hartland Point	58	49	47	0·2	3	4·4
	Bristol ...	61	44	42	1	3	5·8
	Portland Bill ...	60	54	*	–	4	*
	Plymouth ...	59	50	43	1	13	3·9
	The Lizard ...	59	52	*	0·5	1	6·0
	Scilly (St. Mary's)	59	52	*	3	0·5	5·4
6	Pembroke ...	57	48	*	6	9	3·1
7	Holyhead (Valley)	57	49	48	8	7	*
	Chester (Sealand)	59	49	38	4	3	5·6
8	Manchester ...	57	51	40	0·3	0·5	*
10	Spurn Head ...	58	50	*	Tr	–	8·7
	Catterick (Sc.) ...	55	46	38	2	4	5·1
	Tynemouth ...	56	51	48	0·2	–	*
11	St. Abbs Head	54	47	*	Tr	Tr	*
	Leuchars ...	55	47	42	0·4	0·5	2·9
12	Renfrew (Abbotsl.)	53	48	43	2	7	1·7
	Eskdalemuir ...	52	44	41	8	10	3·2
	Point of Ayre ...	56	49	*	2	8	3·5
13A	Tiree	56	50	47	*	1	2·4
13B	Stornoway ...	57	43	44	1	1	3·6
15	Dalwhinnie ...	47	42	38	8	12	0·1
	Aberdeen † ...	54	50	45	Tr	0·2	6·1
	Wick ...	53	51	46	0·3	0·6	*
16	Sumburgh ..	53	50	47	0·2	1	6·6
17	Blacksod Point	55	46	*	0·3	10	*
18	Malin Head ...	53	47		0·6	0·4	
	Aldergrove ...	52	47	42	3	0·3	5·3
19	Birr Castle ...	56	48	44	2	2	
20	Valentia Obsy.	54	50	48	5	6	
	Roches Point	57	53	*	7	8	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 20th October				01h. G.M.T. 21st October				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	
109	13	01853	14504		83	05645	45525		57	01754	45514	
115	54	02954	12326		87	02944	12426		52	62845	16368	
203									5-	25848	12428	
206	26	02864	16525		53	02955	14326		8-	02854	16425	
210	54	02863	14424		87	02844	12425		53	02755	12318	
219	2-	02854	13625		26	22844	12465		36	02855	14585	
230	8-	02855	10286		86	01954	18265		3-	07754	14194	
245	26	01762	16413		83	05663	17464		02	22690	47568	
260	52	05645	12326		8-	05664	16384		87	22564	08364	
276												
279	87	02635	20597		36	02763	51485		86	02754	49565	
285	62	63635	16568									
288	13	01754	47615		04	05690	15381		57	02664	49515	
576	96	25854	17584		96	25844	50487		92	81645	50488	
301	36	10655	47685		27	05653	15486		10	05653	16483	
321	84	02754	47425		80	05653	16383		80	01763	14484	
299	54	01752	18403						5-	62747	22567	
292	27	05654	79625		54	04553	16123		53	05651	14424	
310												
614	84	81745	47426		46	05653	16313		53	05654	81524	

	13h. G.M.T. 20th October				01h. G.M.T. 21st October				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	
333	20	25854	53634		37	05664	51686		26	88654	49585	
334	--	25645	22517		--	02444	22416					
340	36	25944	51785		07	01790	16413		87	25754	18484	
136	96	81745	18505		16	01753	16414		87	81855	18486	
336	20	25754	20584									
350	93	81855	51516		20	02855	51483		3-	93655	51515	
368	57	25754	22465						83	25754	55385	
379	54	25753	53583						3-	93658	51588	
390	20	05654	16414		34	81554	14385		20	81644	16414	
382	86	81855	51586		86	25853	17385		38	81866	17487	
438	10	01764	20614		80	01763	20513		50	01744	20684	
430	2-	02855	51525		47	01754	16214		20	01764	51515	
409	20	02853	17625		87	22754	17565					

	07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN
26	88654	49585	
--	02634	22816	
87	25754	18484	
54	02763	16423	
26	25854	16496	
80	81648	20488	
5-	62645	16398	
57	02754	22315	
47	02844	20485	
57	05654	14415	
57	25866	16387	
8-	02746	20716	
2-	02747	18417	
3-	25854	17484	

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 October
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 ...	bbcprbc	cbc	pRRrar	Kew 24 hours ended 7h. Max. Time 0·2 13·46 20th Min. Time 0·1 0·7h 21st
Croydon ...	bcmobcpr	bccpr	bmothbc	
Greenwich ...	bbc	bcp	bcthrbcp	
Camden Square	b	c	*	
Kensington ...	bc	bc	*	
Hampstead ...	bcp	bcortl	or	

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	59	53	48	0·4	3	4·1	*	*
Croydon ...	62	54	49	2	0·3	5·4	*	*
Greenwich ...	62	54	44	0·3	0·3	6·7	61	89
Westminster ...	62	54	48	6			69	89
Regents Park ..	62	53	49	–	·4		71	90
Camden Square	62	53	48	–	4	*	*	91
Kensington ...	62	53	48	Tr	5		87	98
Hampstead ...	61	49	46	Tr	6		*	94

SECRET

BRITISH SECTION

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

Friday 22nd October 1943

No.

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

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)	02·7	-2	SW'S	3	c/pr	57	85	53	7	9	–	–	9	9	1500
	Croydon	03·8	-2	SSW	4	c-bc	60	75	54	7	2	6	-	4-6	7-8	2500
	S. Farnborough	03·0	+6	WSW	4	bc/pr	57	85	52	8	3	6	3	4-6	4-6	2000
	Boscombe Down	02·4	+6	SW'S	5	bc	57	75	49	8	2	6	-	4-6	4-6	2000
	Thorney Island	03·8	+4	SW	5	bc	60	75	50	9	2	6	-	4-6	4-6	2500
	Lympne	05·0	-4	SW	5	c/pr	58	92	56	7	5	6	-	7-8	9	1000
	Manston	04·7	-6	SSW	6	c/pr	59	75	52	8	8	6	-	7-8	9	1500
2	Shoeburyness	04·6	-2	SSW	4	c-bc/pr	62	75	56	8	9	-	9	4-6	7-8	2500
	Felixstowe	04·2	+2	W'S	3	c/pr	55	92	54	8	5	-	-	9+	9+	2500
	Gorleston	03·5	-2	SSW	3	ro	55	85	51	7	6	-	-	10	10	1000
	Mildenhall	02·3	-6	SSW	4	c	58	75	50	8	8	3	-	4-6	9	2500
	Cranwell	00·1	-6	SW'S	5	c-bc	60	65	49	8	1	4	-	4-6	7-8	2000
3	Birmingham	99·5	0	SSW	4	c	57	65	46	8	8	7	-	4-6	9+	2500
	Upper Heyford	00·4	-6	SSW	4	c-bc	58	65	47	8	2	6	-	7-8	7-8	2500
4	Ross-on-Wye	99·3	+2	SW	4	bc	59	65	47	8	2	3	1	4-6	4-6	3000
5	Hartland Point	96·9	-6	WSW	5	bc	57	85	53	7	2	4	-	4-6	4-6	1500
	Bristol	00·6	+2	SSW	6	b-bc	60	65	48	8	2	-	-	2-3	2-3	2500
	Portland Bill	02·2	+2	SW	5	ir	58	97	58	8	5	-	-	7-8	7-8	1000
	Plymouth	01·3	+2	SW	5	c	58	85	53	7	8	-	-	9	9	2000
	The Lizard	00·6	+6	SW	7	bc	59	85	53	8	2	6	-	2-3	4-6	2000
	Scilly (St. Mary's)	98·8	+2	SW	5	bcjp	59	75	51	7	8	6	-	4-6	4-6	1200
	Guernsey															
6	Pembroke	96·7	+4	SW	6	RR	54	92	51	7	5	-	-	7-8	7-8	2000
7	Holyhead (Valley)	93·8	+10	SSW	8	c/pr	56	85	50	6	9	6	-	7-8	9	1500
	Chester (Sealand)	961	0	S'W	4	c	57	75	48	8	8	7	2	7-8	9	2000
8	Manchester	97·4	0	S'W	4	c-bc/pr	54	97	52	8	3	6	3	4-6	7-8	1500
10	Spurn Head	00·7	+2	SSW	5	c-bc	57	75	51	7	1	3	-	4-6	7-8	2500
	Catterick (Sc)	95·9	-6	SW	4	z0	68	65	46	6	8	-	8	4-6	7-8	2500
	Tynemouth	95·7	-6	S	6	bcq	58	75	48	7	2	4	-	2-3	4-6	2500
11	St. Abbs Head	92·6	0	S	4	pr	55	65	45	7	5	7	-	4-6	7-8	2500
	Leuchars	92·0	0	SSE	5	z0	56	85	50	6	3	6	3	4-6	7-8	2500
12	Renfrew (Abbots I.)	90·3	+6	S	4	pr	56	85	50	7	9	-	3	7-8	9+	1800
	Eskdalemuir	92·2	-2	SSE	4	c/pr	50	92	47	8	5	-	-	9	9+	1400
	Point of Ayre	91·4	+6	WSW	5	c-bc/pr	54	92	51	8	9	-	-	7-8	7-8	2000
13A	Tiree	84·6	+8	S'E	6	c-bc	55	97	54	8	5	3	-	4-6	7-8	3000
13B	Stornoway	85·7	+6	SE	5	pr	53	92	51	7	8	3	-	7-8	10	1600
15	Dalwhinnie	88·0	+10	SSE	4	c-bc/pr	49	92	47	7	5	-	-	7-8	7-8	2500
	Aberdeen	92·6	0	S'E	5	z0	53	85	49	6	5	7	-	1	9+	800
	Wick	91·1	-2	SSE	4	c	53	92	51	8	5	3	1	4-6	9+	4000
16	Sumburgh	95·2	-6	SE	5	c	53	92	50	7	5	-	3	4-6	9	1000
17	Blacksod Point	81·7	+18	SW'W	7	c	55	85	51	7	3	-	-	9+	9+	1500
18	Malin Head	83·0	+2	S	5	c	56	75	48	8	8	-	-	9+	9+	1500
	Aldergrove	87·5	+10	S'W	4	c	56	65	55	9	8	-	8	4-6	9	2500
19	Birr Castle	88·5	+6	SW	3	bc	57	75	49	8	5	-	-	4-6	4-6	2500
20	Valentia Obsy.	90·3	+14	SW	5	bc	55	85	51	8	2	-	-	4-6	4-6	1700
	Roches Point	92·3	+10	SW'W	5	bc/pr	56	85	52	8	3	-	-	4-6	4-6	1500

OBSERVATIONS at 18h. G.M.T. 21st October — 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)	03·2	+2	SW'S	3	ir	55	92	54	6	5	-	-	10	10	2500	1	•	kqprirr	bccir	crbcb	bbcmo
	Croydon	04·4	+4	SSW	4	c/pr	56	85	54	6	5	7	-	2-3	9+	2000	1	•	cprcrmbc	bccprcm	crcrcmocicm	bmo
	S. Farnborough	03·1	-2	S'W	3	c/pr	52	92	51	6	8	7	-	4-6	9+	2000	1	•	crmpRbc	bccprc	cmprobmo	bmccbcm
	Boscombe Down	02·4	-2	SSW	4	c/pr	53	92	51	6	9	7	3	4-6	9+	1200	1	•	[illegible]jpbc	bcpcm	cmbcbw	bwbew
	Thorney Island	04·0	+2	SW'S	3	pr	55	92	53	7	2	7	-	7-8	9+	1500	1	•	cpcbc	bccprcpr	bcmo	[illegible]
	Lympne	05·5	0	SW	4	z0	57	85	52	6	4	-	-	4-6	4-6	2000	1	§	prjpprc	cbcc	crrcmo	[illegible]
	Manston	05·0	+2	S'W	2	c	57	85	52	7	1	7	8	1	10	1500	0	•	cpc	cprcbc	crrmo	crcbc
2	Shoeburyness	04·8	+8	SSW	3	o	57	85	53	8	2	7	-	2-3	9	4000	1	•	rrmprc	cprc	crrmo	cbmo
	Felixstowe	04·5	+6	SW'S	4	b-bc	57	65	43	7	-	7	-	0	2-3	-	0	3	ccprc	cprcbc	ccmo	brpb
	Gorleston	03·7	+2	SSW	4	c	56	85	52	7	5	4	-	4-6	9	1500	1	4	cbcoprr	bc	bcprocro	blb
	Mildenhall	02·8	+6	S'W	3	c-bc	57	75	49	8	5	7	1	1	7-8	2500	1	•	cprc	cbc	ccmo	bcbmob
	Cranwell	01·2	+8	SSW	2	c-bc	51	85	46	8	4	-	5	2-3	7-8	2500	0	•	cbc	bcc	cb	bbmo
3	Birmingham	00·7	+4	S	2	c-bc	53	75	45	7	8	7	2	2-3	7-8	2500	1	•	bc	bcc	cpro	cbc
	Upper Heyford	01·1	+2	S'W	3	c	54	85	49	8	4	-	6	Tr	9	1000	1	•	bc	bcc	cbc	b
4	Ross-on-Wye	00·0	+4	SW	2	c	54	85	48	7	8	-	3	7-8	9+	2500	1	•	bc	bcPrbcc	cblbc	bccbc
5	Hartland Point	98·4	+10	WSW	5	bc	56	85	52	7	2	6	-	4-6	4-6	1800	1	6	bcpr	bc	bc	bccpr
	Bristol	01·0	0	SW	2	c	56	85	49	7	5	3	-	1	9	1000	1	•	cbc	bbcc	cbcbmob	bbw
	Portland Bill	01·4	-4	SW	5	o	56	92	54	7	5	-	-	10	10	4000	1	5	cir	oo	c	corrc
	Plymouth	01·2	-2	SW'W	5	c-bc	56	85	53	6	8	3	1	4-6	7-8	800	0	4	cbc	c	cbc	bcbc
	The Lizard	00·9	-6	WSW	6	bc	55	92	53	7	8	3	-	2-3	4-6	2500	0	3	bc	bc	bcw	bcprc
	Scilly (St. Mary's)	99·4	+6	SW	5	c-bc	55	85	51	7	3	6	-	4-6	7-8	1200	1	5	bcpbc	bcpc	cbc[illegible]	bcpc
	Guernsey																					
6	Pembroke	96·9	+4	ESE	6	c/pr	55	85	50	7	8	6	-	7-8	9+	1500	1	5	cprcrr	cprprq	bcprq	bcq
7	Holyhead (Valley)	95·1	+12	SSW	7	b-bc	54	85	49	8	3	6	3	2-3	2-3	2000	1	6	cprbcc	cprcpr	bcb	bcc
	Chester (Sealand)	97·6	+14	S'E	2	cjp	52	85	48	6	3	7	3	4-6	9	2500	1	•	bcmpr	cpr	bcbmo	bcmopro
8	Manchester	98·6	+8	SSW	4	pr	50	92	48	6	9	-	-	4-6	9+	1000	1	•	cpcpR	cpcpR	cprobcb	bcbbc
10	Spurn Head	01·1	+4	S	6	c-bc	54	85	49	7	7	2	-	4-6	7-8	2500	0	3	bc	bc	c	bc
	Catterick (Sc)	97·4	+14	S	4	bc	52	85	47	7	8	3	-	4-6	4-6	3000	1	•	cm	bc	bcmo	bcmo
	Tynemouth	97·1	+12	SSW	5	bc	55	65	45	7	2	3	1	4-6	4-6	2500	1	3	bcq	bcq	bc	bcmo
11	St. Abbs Head	93·7	+2	SSW	4	c-bc	53	85	47	7	5	4	-	4-6	7-8	2500	0	4	ccpr	cprcmc	cbcmo	bcrbc
	Leuchars	92·9	+10	S	3	c-bc	53	85	49	7	4	6	-	4-6	7-8	2100	1	•	cprPRc	cmbcjp	cbmobc	bcwbmo
12	Renfrew (Abbots I.)	91·2	+12	SE'S	2	z0	54	85	48	6	8	7	2	4-6	4-6	2500	1	•	cprbccpr	cpcprbcm	bmocmo	prbcpromo
	Eskdalemuir	93·4	+10	S'E	6	pr	50	85	47	6	5	-	-	10	10	1300	2	•	RrRtlrc	cRcpr	tRc	cpr
	Point of Ayre	92·8	+6	SW'W	5	b-bc	54	85	49	8	2	4	-	1	2-3	1600	0	3	cpc	b	b	cbc
13A	Tiree	85·2	+8	S	5	pr	55	97	53	7	8	7	-	9	9+	1200	1	5	cbc	ccpr	cprbcc	cbccpro
13B	Stornoway	86·2	+4	SE	5	pr	54	85	49	7	8	4	-	7-8	9	1800	1	4	ccircpro	cpcbccpc	cbcpro	bcprc
15	Dalwhinnie	89·0	+6	S	5	c-bc	48	85	43	7	5	-	-	7-8	7-8	2500	1	•	cpr	cpr		copre
	Aberdeen	93·1	+4	SSE	3	z0	53	85	48	6	5	4	9	1	2-3	4000	1	3	bccconrzc	cirbcbz	bwz0	bwbcczo
	Wick	91·5	+6	SSE	4	bc	53	92	51	7	-	4	•	0	4-6	-	1	•	cpcc	circbc	cbcb	bbccbc
16	Sumburgh	94·8	0	SE	5	c	52	92	50	7	5	3	-	9	9+	1000	1	3	cbcc	b	c	bc
17	Blacksod Point	86·3	+28	WSW	5	c-bc	53	85	49	7	3	-	-	7-8	7-8	1500	1	4	pr	bc	pr	pr
18	Malin Head	85·2	+22	S	5	pr	52	75	44	8	8	-	-	7-8	7-8	1500	2	4	pr	pr	bc	bc
	Aldergrove	89·5	+14	S'W	3	b-bc/pr	51	85	46	8	8	-	-	2-3	2-3	2500	1	•	bcobco	prc	bcblbcblbc	bcc
19	Birr Castle	91·1	+16	SW	2	c-bc	51	85	47	8	8	-	-	7-8	7-8	1500	1	•	bc	pr	•	bc
20	Valentia Obsy.	92·8	+18	SW	4	bc	52	85	48	8	3	-	-	4-6	4-6	2500	1	4	pr	pr	pr	pr
	Roches Point	94·3	+16	SW'W	4	bc/pr	53	85	49	8	3	-	3	2-3	4-6	1500	1	5	pr	pr	pr	pr

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Wind mainly southwest, but variable in night light moderate; bright intervals and local showers today and tomorrow; rain during night at least in Southeast England; local fog in Midlands in morning; rather mild.
4 W. Midlands; 5 S.W. England; 5A South Wales; 7 North Wales; 8 N.W. England	Wind mainly south to southwest moderate to light; variable cloud local thundery rains; local morning fog; rather mild.
9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	Wind south to variable falling light; bright periods, a few scattered showers; local fog later; rather mild.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	As 4-8
16 Orkneys and Shetlands; 17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	As 4-8

GENERAL INFERENCE

A depression off the Hebrides is stationary and filling up, and a secondary over Northwest Spain is moving quickly Northeast and probably deepening; it will cause a period of rain in the Southeast during the night, otherwise there will be variable cloud and local thundery showers or rain chiefly in the Southwest; fog will develop locally

FURTHER OUTLOOK

Wind mainly light; bright periods, local thundery rains; fog night and morning at many places.

Forecasts issued at 10·30.

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

7h. Friday, 22nd October 1943.

LOW

HIGH

STATION MODEL

High Cloud
Medium cloud
Temperature °F.
Present weather
Visibility
Dew Point °F
Low cloud
Amount of Low cloud
Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)
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. In.

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

Ps. 523/4556 Wt. 8091. D. W545. Gp. 948/2. 7440. 10/43.

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 22nd October

1943.

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 22nd October 1943 No.

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

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	*	*	*	*	b-bc/pr	52	*	*	*	*	*	*	*	*	*
	Croydon ...	290	04·9	+6	S	4		53	97	52	6	5	-	-	2-3	2-3	1500
	S. Farnborough	226	04·2	+4	SW'S	3	Zr	51	97	50	6	-	-	-	0	0	-
	Boscombe Down	417	04·0	+10	SW	3	b	49	97	48	7	-	3	-	0	Tr	-
	Thorney Island	10	04·9	+14	SW	3	Zr	54	92	52	6	1	-	-	1	1	2500
	Lympne ...	283	05·8	+8	WSW	3	pr/ir	52	97	51	6	5	2	-	7-8	10	2000
	Manston ...	154	06·2	-4	SW'S	2	ir	52	97	52	6	6	2	-	10	10	900
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	04·5	+4	WSW	4	r/c	54	97	54	6	5	2	-	2-3	10	1500
	Gorleston ...	5	03·3	0	SW	2	ir	54	92	52	7	6	-	-	10	10	1500
	Mildenhall ...	15	02·7	+2	SSW	3	Zr	54	92	52	6	5	7	1	Tr	7-8	4000
	Cranwell ...	203	01·6	+4	S'W	2	bc	47	92	45	7	-	4	-	0	4-6	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	02·7	+10	SSW	3	b	48	97	47	8	-	-	8	0	1	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	00·9	+14	NSW	5	bc/pr	55	92	52	7	2	-	-	4-6	4-6	2500
	Bristol ...	209	02·7	+10	SSW	4	b	51	85	48	7	-	-	-	0	0	-
	Portland Bill ...	32	03·4	+16	SW	5	c-bc	56	92	54	8	2	-	-	7-8	7-8	4000
	Plymouth ...	86	03·7	+12	WSW	5	bc	56	85	52	7	8	-	-	4-6	4-6	1500
	The Lizard ...	240	03·7	+14	S	6	b-bc	54	92	52	8	4	-	-	2-3	2-3	2000
	Scilly (St. Mary's)	163	02·5	+14	NSW	4	bc	54	85	51	8	5	4	8	1	4-6	1500
	Guernsey ...	175															
6	Pembroke ...	142	99·7	+6	SW	6	c-r	55	85	50	8	8	-	-	4-6	8	1500
7	Holyhead (Valley)	32	97·1	+14	SSW	7	bc	54	85	48	8	2	-	-	4-6	4-6	2000
	Chester (Sealand)	16	98·3	+2	S	1	b-bc	48	92	44	7	5	-	1	1	2-3	3000
8	Manchester ...	230	99·5	+6	S'W	4	bc	49	85	47	7	4	-	-	4-6	4-6	4000
10	Spurn Head ...	29	00·2	-6	S	4	c	52	92	49	7	5	-	-	8	8	2500
	Catterick (Sc.) ...	192	98·6	+6	S	2	b-bc	48	92	46	7	-	3	-	0	2-3	-
	Tynemouth ...	108	98·0	+2	S	4	bc	51	85	45	7	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	96·0	+8	S	2	c-bc	47	85	43	7	4	4	-	4-6	7-8	4000
	Leuchars ...	36	94·6	+8	S	1	bc	50	92	47	7	5	-	-	4-6	4-6	2700
12	Renfrew (Abbotsl.)	19	94·0	+4	S'E	2	Zr	51	85	48	6	5	7	-	7-8	8+	1500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	94·8	+12	W'S	3	b	50	92	47	8	3	-	-	Tr	Tr	2000
13A	Tiree	44	89·7	+18	S'W	4	c/pr	52	97	51	8	2	6	3	4-6	8+	2000
13B	Stornoway ...	12	88·7	+14	S	4	pr	51	92	50	7	8	-	-	4-6	4-6	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	94·1	+10	SSE	4	pr	51	85	47	7	4	-	-	7-8	7-8	2000
	Wick ...	114	92·8	+6	S'E	4	b	51	97	50	7	-	-	1	0	Tr	-
16	Sumburgh ..	19	95·4	-2	SE'E	5	c	52	92	50	7	5	7	-	4-6	9	700
17	Blacksod Point	18	89·2	+8	SW'W	4	c-bc/pr	50	85	46	7	9	-	-	7-8	7-8	1500
18	Malin Head ...	84	88·6	+10	SW	5	bc	50	85	46	8	-	7	-	0	4-6	-
	Aldergrove ...	268	93·1	+12	SW	3	bc	47	92	45	8	5	-	-	4-6	4-6	1300
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	96·1	+14	SW'W	5	pr	52	85	48	8	3	-	-	4-6	4-6	2500
	Roches Point	22	97·4	+16	WSW	4	pr	53	92	50	8	3	-	-	4-6	4-6	1500

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

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)	06·8	+14	SSW	2	bc	52	92	50	6	8	-	-	4-6	4-6	1500	1	*
	Croydon ...	08·1	+14	SSW	3	Zo	50	97	49	6	5	6	-	2-3	2-3	3000	1	*
	S. Farnborough	06·9	+10	SSW	3	Zo	51	97	49	6	8	6	1	2-3	2-3	1800	1	*
	Boscombe Down	06·4	+10	S	3	b	48	97	47	7	4	-	-	1	1	2500	1	*
	Thorney Island	07·5	+12	SW	2	pr	54	85	50	8	2	6	-	7-8	7-8	2500	1	*
	Lympne ...	08·8	+16	SW	4	r/pr	53	92	51	7	2	6	-	4-6	9	1200	1	4
	Manston ...	08·3	+16	S	3	c	52	92	50	7	9	-	-	4-6	9	1800	1	*
2	Shoeburyness ...	08·4	+18	SSW	3	b	52	92	50	7	2	6	-	Tr	Tr	4000	1	*
	Felixstowe ...	07·2	+18	WSW	4	b-bc	53	92	50	7	2	7	-	1	2-3	4000	1	4
	Gorleston ...	05·4	+12	SW	3	b	51	92	49	7	-	-	-	0	0	-	1	5
	Mildenhall ...	06·1	+18	SSW	3	b	51	92	49	7	-	4	-	0	Tr	-	1	*
	Cranwell ...	04·1	+14	SSW	2	Zo	46	97	45	6	5	4	-	Tr	1	3000	0	*
3	Birmingham ...	04·7	+10	SSW	3	Zo	48	97	48	6	5	-	-	2-3	2-3	1500	1	*
	Upper Heyford	05·0	+14	SSW	1	m	46	97	45	4	-	3	1	0	2-3	-	0	*
4	Ross-on-Wye	04·4	+16	S	2	c-bc	51	85	48	7	5	-	1	7-8	7-8	2000	1	*
5	Hartland Point	03·2	+12	NW	3	c-bc/pr	53	97	52	7	3	6	-	4-6	7-8	1000	1	
	Bristol ...	04·8	+8	SSW	2	b	50	92	48	7	5	4	-	Tr	1	2500	0	
	Portland Bill ...	06·2	+14	S	5	c	57	92	55	8	5	-	-	10	10	4000	1	5
	Plymouth ...	04·7	+4	SW	4	c-bc	55	85	52	7	8	4	-	4-6	7-8	1500	0	3
	The Lizard ...	03·9	0	SW	5	c-bc/pr	54	92	52	8	8	-	-	7-8	7-8	2000	1	4
	Scilly (St. Mary's)	02·4	-2	SW'S	3	c/p	54	88	51	8	8	7	-	7-8	9+	1200	1	4
	Guernsey ...																	
6	Pembroke ...	03·4	+16	SW'S	4	bc-c	55	85	51	8	8	4	-	4-6	4-6	2000	0	4
7	Holyhead (Valley)	99·8	+14	SW'S	6	bc	55	75	47	8	8	-	-	4-6	4-6	2000	1	5
	Chester (Sealand)	01·4	+18	S'E	1	c-bc/pr	48	92	46	6	8	-	-	7-8	7-8	2200	1	*
8	Manchester ...	02·1	+18	S	4	b-bc	48	85	45	7	4	4	-	1	2-3	2000	1	*
10	Spurn Head ...	03·4	+16	SSW	4	c-bc	50	92	48	7	7	7	-	2-3	7-8	2500	0	3
	Catterick (Sc.) ...	00·5	+14	S	2	Zo	47	97	46	6	5	3	-	4-6	7-8	2500	1	*
	Tynemouth ...	99·6	+12	SW	3	Zo	48	92	45	6	-	4	1	0	2-3	-	1	2
11	St. Abbs Head	96·4	+6	SSW	4	bc	47	92	44	7	4	4	-	2-3	4-6	3000	0	3
	Leuchars ...	96·3	+10	SW	3	Zo	46	92	44	6	5	3	5	2-3	7-8	6000	1	*
12	Renfrew (Abbotsl.)	95·5	+12	SSE	2	pr	50	92	48	6	9	7	-	7-8	7-8	2000	1	*
	Eskdalemuir ...	97·2	+12	S	4	r/pr	48	92	47	7	5	-	-	10	10	1200	2	*
	Point of Ayre ...	98·9	+24	W'S	4	bc	50	85	45	8	3	-	-	4-6	4-6	1600	0	3
13A	Tiree	91·7	+12	SSW	3	bc/pr	50	97	49	8	8	6	-	4-6	4-6	2000	1	4
13B	Stornoway ...	91·9	+18	SSE	5	c	52	85	49	8	9	6	6	7-8	9+	1600	1	3
15	Dalwhinnie ...	84·0	+12	S	3	pr	45	85	42	7	5	4	-	4-6	9	1500	1	*
	Aberdeen † ...	95·2	-10	SSW	2	Zo	50	92	48	6	5	-	-	8	9	2500	1	2
	Wick ...	94·3	0	SSW	2	b	49	97	48	8	5	-	1	1	1	3000	1	*
16	Sumburgh ..	96·4	+10	SE'S	3	c	51	97	50	7	5	3	-	4-6	8	1200	1	2
17	Blacksod Point	91·4	+10	SW	5	c/pr	52	75	44	7	9	-	-	9+	9+	1500	1	4
18	Malin Head ...	91·5	+20	S	3	c-bc	49	85	45	8	8	1	-	4-6	7-8	1500	2	3
	Aldergrove ...	94·9	+16	SW	4	c	49	92	46	7	6	7	-	7-8	9	2100	1	*
19	Birr Castle ...	96·9	+20	SSW	2	b-bc	47	85	43	8	5	-	-	2-3	2-3	2500	1	*
20	Valentia Obsy.	97·4	+14	SSW	4	bc/pr	49	85	45	8	8	-	-	4-6	4-6	2300	1	4
	Roches Point	99·1	+16	W	3	bc	51	92	47	8	3	-	-	4-6	4-6	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 21st Hrs. (38)
1	London (Kew)	58	50	42	3	1	1·2
	Croydon ...	62	50	46	13	5	2·6
	S. Farnborough	61	48	38	10	1	2·3
	Boscombe Down	60	46	37	1	Tr	2·7
	Thorney Island	63	53	47	11	7	*
	Lympne ...	60	48	42	0·6	1·8	3·6
	Manston ...	61	49	46	Tr	2	2·5
2	Shoeburyness ...	63	51	48	4	1·9	2·8
	Felixstowe ...	60	52	48	0·6	1·0	1·6
	Gorleston ...	61	50	40	5	+	2·7
	Mildenhall ...	61	50	44	7	-	1·8
	Cranwell ...	60	46	39	-	-	4·7
3	Birmingham ...	59	48	38	-	0·5	4·3
	Upper Heyford	59	46	40	-	-	*
4	Ross-on-Wye	61	50	46	0·5	-	5·1
5	Hartland Point	57	51	43	Tr	1	7·5
	Bristol ...	61	44	43	Tr	Tr	5·4
	Portland Bill ...	58	55	*	3	3	*
	Plymouth ...	59	55	50	1	-	5·8
	The Lizard ...	59	52	*	-	0·5	8·2
	Scilly (St. Mary's)	60	53	*	1	1	6·7
	Guernsey ...						
6	Pembroke ...	57	51	*	6	5	2·0
7	Holyhead (Valley)	58	51	48	6	3	*
	Chester (Sealand)	60	47	40	0·4	0·6	5·4
8	Manchester ...	57	47	43	4	0·3	*
10	Spurn Head ...	58	49	*	-	-	4·1
	Catterick (Sc.) ...	58	45	41	-	-	5·4
	Tynemouth ...	60	48	45	-	-	*
11	St. Abbs Head	56	49	*	Tr	Tr	*
	Leuchars ...	57	45	35	0·6	-	2·5
12	Renfrew (Abbotsl.)	58	48	42	0·4	3	3·8
	Eskdalemuir ...	52	47	43	19	9	0·0
	Point of Ayre ...	58	48	*	3	-	1·7
13A	Tiree	56	48	46	Tr	8	1·9
13B	Stornoway ...	55	48	46	3	5	0·1
15	Dalwhinnie ...	51	44	39	5	9	0·8
	Aberdeen † ...	55	50	45	2	-	2·3
	Wick ...	54	49	49	0·4	-	*
16	Sumburgh ..	54	51	48	0·2	-	0·4
17	Blacksod Point	55	49	*	2	4	*
18	Malin Head ...	56	48	*	0·2	Tr	3·0
	Aldergrove ...	58	46	41	1	-	5·2
19	Birr Castle ...	57	47	44	2	-	3·9
20	Valentia Obsy.	56	49	44	2	3	3·8
	Roches Point	57	50	*	0·5	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 21st October C$_L$C$_M$	ww VhN$_h$	DDFWN	18h. G.M.T. C$_L$C$_M$	ww VhN$_h$	DDFWN	01h. G.M.T. 22nd October C$_L$C$_M$	ww VhN$_h$	DDFWN	07h. G.M.T. C$_L$C$_M$	ww VhN$_h$	DDFWN
109	57	05664	15623	07	05590	13424	5-	02761	15301	57	05655	15226
115	87	02944	45126	24	02864	16224	57	02964	12324	24	02864	12124
203												
206	57	02964	14426	56	01862	24323	50	02864	20184	53	02964	14125
210	57	02864	13426	53	01663	10314	40	01863	12113	50	01863	15224
219	27	02745	14587	82	81846	47688	24	01853	16683	86	02865	16426
230	8-	25856	16186	36	25854	14365	8-	25755	18185	51	61748	16188
245	57	02656	14367	57	02757	15266	53	01753	16325	54	01753	17124
260	8-	01744	16414	8-	05644	14414	57	62744	16515	54	05643	16314
276												
279	86	05665	51686	8-	07844	51584	8-	82755	20485	84	02755	20486
285	27	81745	20587							22	25635	22488
288	57	05653	49413	04	01790	17413	00	05690	16512	54	05653	17513
575	8-	25846	49487	96	25745	51586	37	81754	51518	36	10844	51486
301	26	81655	49487	57	25644	17485	26	05654	16384	6-	01745	15385
321	10	81753	48423	86	05663	14284	04	05690	16314	50	05542	15312
290	50	01753	18313				54	01752	20313	46	01762	22202
292	6-	09654	18515	53	05664	18384				07	05690	16303
310										34	01624	24414
614	2-	02755	20425	56	05664	18414	00	05590	18213	54	44433	18343

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 21st October C$_L$C$_M$	ww VhN$_h$	DDFWN	18h. G.M.T. C$_L$C$_M$	ww VhN$_h$	DDFWN	01h. G.M.T. 22nd October C$_L$C$_M$	ww VhN$_h$	DDFWN	07h. G.M.T. C$_L$C$_M$	ww VhN$_h$	DDFWN
333	9-	25766	51586	30	25644	52584	20	01753	20483	26	25753	20484
334	--	02646	22417							--	25537	22388
340	96	81846	20587	84	81854	17385	57	01752	18384	54	25753	16314
136	16	25843	17486	07	02890	20425	07	02790	20328	50	01741	19201
336	20	25755	20185	80	25657	20487						
350	20	01854	20384	07	02790	18416	00	00790	16210	00	07900	18211
368	80	01854	22325	54	01653	24414	57	22644	56465	83	01753	24324
379	20	02844	51524	57	02854	51415	80	02741	18311	50	05526	18316
390	36	25755	19485	46	05551	14387	00	05590	18220	10	04351	14112
382	20	01854	52414	47	02861	18226	00	00890	20110	34	01811	15101
438	83	14743	20713	52	62756	20568	80	22754	22564	8-	14745	21315
430	23	25855	52486	52	64644	24368	55	01752	20362	10	81755	20215
409	36	25856	18587	36	02852	18423	30	01854	18484	36	02854	17215

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 October
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 ...	kq pr i r c	bc c i r	bb c m	Kew 24 hours ended 7h.
Croydon ...	c p r r m b c	bc c p r c m	c i r b m	Max. Time
Greenwich ...	r R c	bc	c r r b c	Int 0·3 17–18h 215
Camden Square	c	c	*	Min. Time
Kensington ...	c b c p b c	b c c p	*	50·1 0–3h 22nd
Hampstead ...	c r b c	bc	c r b c	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	58	50	42	3	1	1·2	*	*
Croydon ...	62	50	46	13	5	2·6	*	*
Greenwich ...	62	48	40	1	4	3·2	71	86
Westminster ...	62	52	44	7			69	90
Regents Park ...	62	51	45	1	1		68	84
Camden Square	62	51	45	1	0·6	*	*	85
Kensington ...	63	50	40	Tr	1		74	89
Hampstead ...	60	48	43	2	0·5		*	91

SECRET

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

Saturday 22nd October 1943

No. 29920

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

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)	07·3	-6	SSW	3	c-bc	58	75	49	8	8	3	1	4-6	7-8	2500
	Croydon ...	08·8	-2	SSW	4	c/pr	58	75	50	8	8	6	6	9	9	2000
	S. Farnborough	07·1	-8	SSW	3	c-bc/pr	59	75	51	8	8	7	8	4-6	7-8	2900
	Boscombe Down	06·4	-6	S'W	5	c	57	85	51	8	4	-	6	7-8	9	2000
	Thorney Island	07·9	+6	S'E	4	c-bc	60	85	54	8	5	3	2	2-3	7-8	2500
	Lympne ...	10·0	-4	SW'W	4	c	59	75	52	8	2	-	3	7-8	9	2000
	Manston ...	09·1	-10	S	4	c	63	55	46	8	8	-	6	9	9+	1800
2	Shoeburyness ...	09·4	-6	S	4	c	62	75	52	8	8	7	-	4-6	9	2500
	Felixstowe ...	08·7	-6	SW	3	c-bc	62	75	54	8	2	7	7	1	7-8	4000
	Gorleston ...	07·9	+2	SW'S	4	bc	59	75	49	7	2	-	4	4-6	9	2000
	Mildenhall ...	07·5	+1	SW'S	4	c	60	65	50	7	2	3	2	4-6	9	2500
	Cranwell ...	06·2	+4	SW	4	c-bc	59	75	49	7	2	-	-	4-6	7-8	3300
3	Birmingham ...	08·4	0	SSW	3	c/pr	54	85	50	8	8	-	-	9	9	1500
	Upper Heyford	05·6	-6	S'W	3	c-bc	59	65	47	8	2	-	2	7-8	7-8	2500
4	Ross-on-Wye	04·7	-4	SSW	3	bc	59	75	49	8	2	4	-	4-6	4-6	3500
5	Hartland Point	02·5	-12	SSE	2	c/r	55	97	54	7	3	6	7	4-6	10	1200
	Bristol ...	05·1	-10	S	2	pr	58	75	48	7	3	6	3	4-6	9	2500
	Portland Bill ...	05·9	-10	S	5	c	58	85	54	8	5	-	-	10	10	4000
	Plymouth ...	03·6	-14	SW	4	c	58	85	54	7	8	7	-	7-8	9+	2500
	The Lizard ...	02·5	+16	S	4	c/pr	55	92	53	7	5	2	+	9	10	1500
	Scilly (St. Mary's)	01·1	-10	SW'S	2	c/pr	55	92	52	8	8	3	2	7-8	9	1200
	Guernsey ...															
6	Pembroke ...	02·2	-6	SW	4	ir	52	92	49	8	8	4	-	7-8	9	2000
7	Holyhead (Valley)	01·8	+6	S'W	5	c	56	75	49	8	8	6	-	4-6	9	2000
	Chester (Sealand)	03·2	+4	S'W	2	c/pr	56	75	49	9	8	4	8	7-8	9	2500
8	Manchester ...	03·9	+4	S	4	c	57	75	47	8	2	6	3	4-6	9	3000
10	Spurn Head ...	05·8	+4	SW	4	bc	57	75	50	7	1	4	-	2-3	4-6	2500
	Catterick (Sc.) ...	03·1	+6	SW	3	z	59	65	45	6	8	-	1	7-8	9	2500
	Tynemouth ...	02·8	+10	SSW	5	z	58	55	41	6	2	3	2	2-3	4-6	2200
11	St. Abbs Head	00·8	+24	SSW	4	bc	56	65	43	8	2	4	-	2-3	4-6	3000
	Leuchars ...	99·5	+14	SW	4	c-bc	55	75	47	8	8	4	9	4-6	7-8	2300
12	Renfrew (Abbotsl.)	99·7	+16	SSW	4	c-bc	55	75	47	8	8	-	3	7-8	7-8	2500
	Eskdalemuir ...	00·7	+16	S	4	c-bc	55	75	45	8	7	-	-	7-8	7-8	1600
	Point of Ayre ...	00·5	+10	WSW	4	b-bc	60	55	46	8	2	-	4	2-3	2-3	2500
13A	Tiree	95·9	+16	S'W	4	c-bc	55	75	47	8	2	6	8	4-6	7-8	2000
13B	Stornoway ...	95·2	+16	SSE	4	c-bc	52	92	50	8	9	6	3	4-6	7-8	1200
15	Dalwhinnie ...	97·8	+20	S	3	c-bc/pr	47	85	44	7	5	4	-	7-8	7-8	1500
	Aberdeen ...	99·0	+10	SSW	3	c	54	75	46	7	8	7	6	7-8	9+	4000
	Wick ...	97·2	+10	SSW	2	c-bc	55	85	49	8	8	7	-	2-3	7-8	3000
16	Sumburgh ...	98·4	+10	SSE	3	c	54	92	51	8	5	3	8	4-6	9	5000
17	Blacksod Point	93·8	+6	SSW	5	c/pr	52	85	48	7	9	-	6	7-8	9+	1500
18	Malin Head ...	94·8	+10	S	5	c-bc	55	65	43	8	8	-	4	4-6	7-8	1500
	Aldergrove ...	98·5	+4	S'W	4	bc	55	65	43	9	2	-	5	4-6	4-6	2000
19	Birr Castle ...	98·3	+4	SSW	3	c-bc	54	65	42	8	5	-	-	7-8	7-8	2500
20	Valentia Obsy.	98·1	+2	SSW	5	c-bc/pr	57	75	49	8	2	-	3	4-6	7-8	2500
	Roches Point	00·0	+2	WSW	4	bc	55	85	51	8	3	-	5	2-3	4-6	1500

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

Barom. at M.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)
05·1	-16	SE	2	c/pr	55	92	53	5	5	3	-	9	9+	1500	1	*
06·3	-22	SSE	3	z	56	92	53	5	5	7	-	4-6	9	2000	1	*
04·7	-8	SE	2	c/pr	55	92	54	5	5	2	-	7-8	10	1000	1	*
04·3	-12	S	1	rr	51	97	49	7	5	-	-	10	10	1000	1	*
05·3	-18	SSE	4	c/pr	58	92	54	6	6	2	-	4-6	10	1500	1	*
07·4	-18	S	3	PR	55	92	52	6	9	-	-	9	10	1100	0	*
07·5	-16	SSE	4	ir	57	85	52	7	5	7	-	4-6	9+	1000	1	*
07·9	-14	SSE	4	c	57	85	53	8	5	7	-	4-6	9	4000	1	*
07·7	-4	S'E	1	c	57	85	53	7	5	-	-	9+	9+	4000	0	1
07·9	-6	S'W	4	c-bc	56	85	50	7	5	-	-	Tr	7-8	1500	1	5
06·7	-2	SSE	3	c	56	85	51	8	5	7	-	7-8	9+	5000	0	*
05·3	-2	S'W	2	ir	54	85	49	6	5	7	-	4-6	10	3000	0	*
04·9	-1	SSE	2	c	53	85	49	7	5	-	-	9	9	1500	1	*
04·3	-8	S'E	2	c/pr	53	97	52	6	6	2	-	4-6	10	1500	1	*
02·6	-10	SE	3	c/r	53	92	51	6	8	2	-	4-6	10	2000	1	*
00·1	+12	S	2	c/pr	53	97	52	8	3	6	-	4-6	9	1200	1	4
02·9	+6	S	2	pr	53	97	52	6	5	7	-	4-6	10	1500	1	*
03·9	-10	S	4	rr	55	85	51	7	5	-	-	10	10	2500	1	4
01·6	-2	SW'W	4	c	56	92	54	6	8	7	-	9	10	1800	1	3
00·9	-4	SW	4	c	54	92	52	8	8	-	-	9+	9+	1000	1	4
00·2	-2	WSW	2	c/pr	52	92	50	8	8	7	3	4-6	9+	1200	1	3
00·9	-1	SSE	1	c	54	97	53	8	8	7	-	4-6	9	2000	1	3
01·5	0	SSE	4	bc	50	85	48	8	8	4	1	4-6	4-6	2000	2	3
02·6	-2	SSE	2	z	53	85	49	6	5	7	-	4-6	10	3000	1	*
03·3	-2	SSE	3	c/pr	53	85	49	6	4	6	3	4-6	9	3000	1	*
05·7	+2	SSE	4	c	55	85	51	7	7	7	-	4-6	9+	2500	0	3
03·6	+4	S	1	z	53	85	49	5	5	3	-	7-8	9	2500	0	*
01·8	+4	SSW	3	z	54	75	46	6	2	3	2	4-6	4-6	2200	0	2
02·6	+4	S	2	c	51	85	45	7	4	4	-	7-8	9	3000	0	3
03·0	+2	SSW	1	c	50	85	46	7	2	9	8	Tr	9	3000	0	*
01·7	+8	SSW	1	c	50	85	46	7	2	9	8	Tr	9	3000	0	*
01·2	+8	SE'S	2	z	49	85	45	6	4	6	9	2-3	4-6	4000	1	*
02·1	+6	S	3	pr	47	85	44	8	5	1	-	9+	9+	1600	1	*
01·0	0	SSW	3	bc	51	85	46	8	8	-	-	4-6	4-6	2000	0	2
98·3	+16	S'W	4	pr	50	85	46	8	8	6	-	7-8	9	2000	1	3
98·0	+18	SSE	5	c/pr	51	97	51	7	9	-	-	9+	9+	1200	2	3
	+16	S	3	bc	45	85	41	8	5	4	-	2-3	4-6	2500	1	*
01·7	+18	S	2	c-bc/r+	51	92	48	3	-	4	3	0	7-8	-	7	1
00·2	+22	SW	2	c-bc	50	85	44	8	5	7	-	2-3	7-8	4500	1	*
00·2	+14	SSE	2	bc	51	97	50	8	5	3	2	Tr	4-6	800	0	2
94·2	+2	S'W	5	c-bc	52	85	48	7	9	-	-	7-8	7-8	1500	2	4
96·6	+12	SSW	3	bc	51	75	44	8	8	-	3	4-6	4-6	1500	2	3
99·6	+10	S	2	ir	50	85	44	8	4	4	-	7-8	9	3000		*
98·2	0	SSW	2	b-bc	49	85	45	8	-	4	-	0	2-3	-	1	*
97·9	+2	SSW	3	b/pr	49	85	45	8	3	-	-	1	1	2500	L	3
99·1	0	SW'W	3	bc	53	85	49	8	5	-	5	1	4-6	1500	1	4

PAST 24 HOURS.

Weather. 7h.—13h. 22nd. (39)	Weather. 13h.—18h. 22nd. (40)	Weather. 18h. 22nd to 1h. 23rd (41)	Weather. 1h.–7h. 23rd (42)
bcm,bc	pr,prm,c	qr,rr,r	c,mow
bm,c,pr,c	ec,pr,m	r,rr,m,c,m	r,f,c,r,m,o
bm,pr,c	r,pr,c,r,i,r,m	r,r,r,r,b,c,m,o	b,c,c,d,r,m,o
c,w,b,w,r,pr,c	c,r,pr,c,r,r,c,n	r,r,m,b,o,f	r,m,b,c,r,r,m,o
bc,pr,c	c,pr,i,r,m	b,c,c,b	c,l,d,o,m,o,c
m,o,b,c,p,r,o	c,o,pr,	r,p,l,r,r,m,o	c,m,o,c
c,b,c,c,c,y	c,r,y,c,i,r,	c,r,b,l,c,m,o	c,b,c,m,o
bcb,c	c	r,r,m,o,c	c,m,o,c,i,r,o
c,b,c	b,c,p,r,c	c,i,r,f,a,m,o	c,m,o,c,i,r,o
c	b,c,c	p,r,o,c,r	c,q,c
b,b,c,c	c,b,b,c,c	c,b,o,c,i,r,m,o	c,i,r,o,m,b,c,m,o
b,b,c	c,c,i,r,m	c,m,o,r,o,b,r	c,m,o,b,c,m,o
b,c,c,p,r	c,p,r	o,r,r	o,m
c,b,c,c	c,i,r,f,a,m,o	c,m,o,r,o	c,m,o,c
c,p,r,c	b,c,r,c	r,m	c,p,r,c
e,p,c	c,p,	c,r,o,f,o	c,b,c
		b,c,p,r,c	b,c
c,i,r,q	c	r,c	c,b,c,w
b,c	p,r,c,b,c	r,c,l,o,m,r,r,c	c,r,o,f,m,o
b,c,m,c,p,r,o	p,r,c	r,r,o,f,m,o	r,r,m,o,b,c,f,m
b,c,m,b,c,c	c,z,p,r,	r,r,o,f,m,o	r,r,m,o,b,c,f,m
b,c	c	b,f,o,f,o	b,f,o,r,m,r
e,m,	c,m,c,m	c,r,o,c,i,f,m	c,i,r,o,f
b,c,m,o	b,c,m,	b,c,m,o,i,r	o,r,r,f
b,c	b,c,c	b,b,c,c	c,m,o,f,o,c,m,o,r,r
c,m,c	c,b,c,c	b,m,c,m,o	c,r,r,m
c	c,b,c,m,	b,m,o,w,b,c,m,o	b,c,m,c,m,o,w
c,i,r,p,f,c	c,p,r	c,i,r,o	o,r,r,f
b,a,b,y	c,p,r,b,c	b,e,p,r,c	c,b,c,c,w
c,b,c,c	c,b,c,c,r	b	b,c,b,b,c
c,b,c,c	c,p,r,b,c,c,p,r,e	c,p,r,o,c,b,c	b,c,b
c,p,r	c,b,c		c,b,c,p,r,o
b,z,c	c,b,c,z	b,z,o,b,c,R,f,o	b,z,o,b,c,R,f,o,d,o,c
b,c,c,i,r,	c,b,c,c,b,c,c	b,b,c,b	b
c,b,c,c	c,b,c	b,w	b,w,f,g
p,r	c	p,r	p,r
c	p,r	o,r	b
b,b,c,c,j,r,b,c	c,b,c,i,r,	b	b,c,w,b,w
c	p,r		b,c
p,r	p,r	p,r	p,r
c	b,c	b	b

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light southwest to west winds; bright intervals; local thundery rains or showers especially at first; local fog night and morning; rather mild by day, rather cold at night.
4 W. Midlands 5 S.W. England 6 South Wales	Light to moderate southwest winds; variable sky with bright periods; local showers; more general thundery rains tomorrow; mainly mild.
7 North Wales 8 N.W. England	Light variable winds; bright periods; some thundery showers chiefly tomorrow; fog in places tonight; rather cold.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light northerly winds; dull, rain at times; conditions slowly improving, but continuing cloudy; some fog tonight; rather cold.
12 S.W. Scotland & Isle of Man	As 7-8.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light variabe to northeast winds; mainly fair with some bright periods; temperature tending to fall.
16 Orkneys and Shetlands	As 13A - 15
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light variable winds probably becoming northerly in the West tomorrow; considerable bright periods; some thundery showers chiefly in the South; local fog at night; rather cold.

GENERAL INFERENCE

A depression off West Ireland continues to fill up, and a trough of low pressure over northeast England and the North Sea is moving northnortheast. There will be further rain and low cloud in east and south Scotland and north England today; elsewhere there will be further thundery showers but with bright periods; fog will develop at night; temperatures will be changeable.

FURTHER OUTLOOK

Colder northeasterly winds in Scotland; uncertain elsewhere.

Forecasts issued at 10·30.

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

7h. Saturday, 23rd October 1943.

HIGH

LOW

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 { Code figure (one figure) or hundreds of feet (two figures)

Scale 1.: 5,000,000

Mb. In.

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

Ps. 523/4558. Wt. 8091. D. W545. Gp. 346/2. 7440. 10/43.

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 23rd October

1943.

Clarke 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. K Slight haze.

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

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

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

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

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

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

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

Saturday, 23rd October 1943 — No 29920

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

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	*	*	*	*	*	51	*	*	*	*	*	*	*	*	*
	Croydon ...	290	02·3	-14	ESE	2	fg	50	97	50	3	5	–	–	2-3	2-3	1500
	S. Farnborough	226	01·7	-6	–	0	3o	51	97	50	6	5	–	–	9+	9+	3600
	Boscombe Down	417	02·5	-4	–	0	f+	48	97	48	1	–	–	–	10	10	1300
	Thorney Island	10	02·2	+4	–	0	ido	51	97	51	7	5	–	–	9+	9+	1900
	Lympne ...	283	02·4	-14	SSW	5	3o	59	85	54	6	5	–	*	7-8	10	1100
	Manston ...	154	02·6	-20	S	4	c	59	85	55	6	6	2	–	7-8	10	3300
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	01·6	-38	S'E	5	c	54	85	50	6	5	7	–	7-8	10	2500
	Gorleston ...	5	02·4	-44	SE	7	c/r	56	85	52	7	6	–	–	10	10	1500
	Mildenhall ...	15	00·7	-48	E	2	ic	51	97	51	6	5	2	–	9	10	2500
	Cranwell ...	203	01·7	-48	S	1	ro6	50	97	50	6	5	2	–	7-8	10	3300
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	01·3	+10	SW	1	3o	49	97	49	6	5	–	–	10	10	800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	00·3	0	W	3	pr	52	97	51	8	2	2	–	7-8	10	1500
	Bristol ...	209	02·0	-2	S	2	ro6	51	92	49	6	5	7	–	7-8	10	4000
	Portland Bill ...	32	03·0	+2	SE	3	o	54	92	52	7	5	–	–	10	10	2500
	Plymouth ...	86	01·2	-2	SSW	2	ro6	53	92	51	6	8	–	–	4-6	10	1000
	The Lizard ...	240	01·3	0	WSW	2	ro6	52	92	50	7	5	–	–	10	10	1000
	Scilly (St.Mary's)	163	00·9	0	–	0	cjp	50	92	49	8	5	–	–	9+	9+	1500
	Guernsey ...	175															
6	Pembroke ...	142	00·5	-4	–	0	cbc/pr	50	97	50	8	8	–	–	7-8	7-8	1500
7	Holyhead (Valley)	32	00·3	-6	–	0	c	48	97	47	8	5	–	–	9+	9+	7100
	Chester (Sealand)	16	00·7	-14	SSE	1	rr	50	92	49	5	5	–	–	10	10	1500
8	Manchester ...	230	01·8	-6	SE	2	ro6	50	97	49	6	6	2	–	2-3	10	1200
10	Spurn Head ...	29	02·5	-22	S'E	4	ro6	55	97	52	7	5	–	–	10	10	2500
	Catterick (Sc) ...	192	01·8	-14	–	0	ro6	49	97	49	4	5	–	–	10	10	800
	Tynemouth ...	108	03·4	-8	S	2	ir	51	97	50	6	–	2	–	10	10	1500
11	St. Abbs Head	280	03·1	0	–	0	c	49	85	45	7	5	–	–	9+	9+	2500
	Leuchars ...	36	02·4	-2	–	0	3o	43	97	43	5	5	7	–	4-6	10	3500
12	Renfrew (Abbotsl.)	19	02·0	0	SE'E	1	m	48	92	46	4	5	7	–	2-3	7-8	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	99·9	-8	SSW	*	c	50	92	48	8	5	–	–	9	9	2000
13A	Tiree	44	99·9	+6	S	1	b	54	85	46	9	1	3	–	Tr	1	2000
13B	Stornoway ...	12	00·7	+6	SE	3	b-bc	49	97	48	8	3	–	–	2-3	2-3	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	03·6	0	–	0	c-bc	41	97	40	7	–	7	–	0	7-8	–
	Wick ...	114	02·6	+6	S	2	b	47	92	45	8	5	–	–	1	1	3000
16	Sumburgh ..	19	02·8	+10	SW	1	b	50	97	48	7	–	–	1	0	1	–
17	Blacksod Point	18	99·7	+2	SW'S	3	ebc/pr	52	85	47	7	9	–	–	7-8	7-8	1500
18	Malin Head ...	84	98·2	+6	SSE	2	b	44	75	37	8	–	–	–	0	0	–
	Aldergrove ...	268	99·6	-4	–	0	bc	44	92	42	8	5	–	–	4-6	4-6	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	99·5	-6	S	3	bc/pr	49	92	47	8	3	–	–	4-6	4-6	2400
	Roches Point	22	99·6	0	–	0	b	47	97	46	8	5	–	–	1	1	1500

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

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)	03·1	+6	SSE	1	3o	51	97	50	6	6	3	–	7-8	9	1500	1	*
	Croydon ...	03·7	+4	SSE	2	ic	52	97	51	6	5	7	–	4-6	9+	2000	1	*
	S. Farnborough	03·2	-6	SE'S	2	ro6	51	97	51	5	5	7	–	9+	10	800	1	*
	Boscombe Down	02·3	-2	–	0	ro6	50	97	50	6	3	–	–	10	10	800	1	*
	Thorney Island	03·0	-2	S	5	c	57	92	55	7	8	–	–	7-8	9+	2500	1	*
	Lympne ...	04·7	+10	SW	3	c	54	92	51	7	1	–	–	9+	9+	1500	1	4
	Manston ...	04·5	+10	S'E	2	bc	51	92	49	7	5	4	5	4-6	4-6	1800	1	*
2	Shoeburyness ...	04·9	+10	SSW	4	b-bc	54	92	52	8	2	6	–	1	2-3	2500	1	*
	Felixstowe ...	03·8	+18	SW'W	4	ic	54	92	52	7	2	7	–	4-6	7-8	2500	1	5
	Gorleston ...	02·6	+14	SW'W	2	c-bc	56	85	51	7	8	–	–	7-8	7-8	1200	1	4
	Mildenhall ...	02·8	+14	SW'S	2	3o	50	97	50	6	5	4	–	9	9+	800	1	*
	Cranwell ...	01·9	-10	S'W	1	3o	44	92	44	6	4	3	–	2-3	7-8	2500	1	*
3	Birmingham ...	04·4	0	SSW	3	m	49	97	49	4	5	–	–	10	10	1500	1	*
	Upper Heyford	01·6	+6	SSW	2	ir	48	97	48	5	6	2	1	7-8	10	1000	1	*
4	Ross-on-Wye	01·3	0	S'W	1	ic	51	97	49	7	5	2	–	9+	10	1500	1	*
5	Hartland Point	00·9	+6	SW	3	cjp	51	92	49	8	8	1	–	7-8	10	1200	1	3
	Bristol ...	02·4	+2	SSE	2	ro6	50	92	49	6	5	2	–	7-8	10	2500	1	*
	Portland Bill ...	01·8	-12	W	3	rr	54	92	52	7	5	–	–	10	10	2500	1	4
	Plymouth ...	01·5	+6	–	0	ic	50	97	49	6	5	1	–	9	10	3500	1	1
	The Lizard ...	01·5	+6	NNW	3	c-bc	45	92	43	7	8	6	–	7-8	7-8	2000	1	4
	Scilly (St.Mary's)	02·2	+12	W	3	bc	50	85	45	8	8	4	3	4-6	4-6	1500	0	3
	Guernsey ...																	
6	Pembroke ...	01·0	+6	NW'N	2	bc	52	85	46	8	8	6	1	2-3	4-6	2000	1	3
7	Holyhead (Valley)	00·7	+6	–	0	c	46	97	46	8	8	7	–	7-8	9+	4000	1	1
	Chester (Sealand)	00·8	+6	–	0	m	48	92	48	4	5	7	–	7-8	10	1800	1	*
8	Manchester ...	01·8	+12	SSW	2	3o	47	97	47	6	5	4	–	7-8	9	2000	1	*
10	Spurn Head ...	01·5	+4	SW	3	c-bc	51	97	50	7	5	3	–	4-6	7-8	2500	1	3
	Catterick (Sc) ...	00·3	0	–	0	ro6	48	97	48	4	5	–	–	10	10	1000	1	*
	Tynemouth ...	00·9	-6	W	2	rr	51	97	50	6	8	–	–	9+	9+	1600	1	2
11	St. Abbs Head	00·8	-4	–	0	rr	50	97	50	6	5	–	–	10	10	1500	1	2
	Leuchars ...	01·3	-2	NNE	2	rr	49	97	49	4	5	2	–	9	10	800	1	*
12	Renfrew (Abbotsl.)	01·7	0	–	0	3o	46	97	45	6	5	7	–	7-8	10	2500	1	*
	Eskdalemuir ...	00·1	0	–	0	ro6	46	92	44	5	–	2	–	10	10	700	1	*
	Point of Ayre ...	99·7	+4	NE	2	ebc	51	97	51	8	5	3	–	4-6	7-8	3000	0	1
13A	Tiree	00·9	+6	SE	1	bc	50	85	46	9	8	7	5	4-6	4-6	2000	1	1
13B	Stornoway ...	02·4	+12	ESE	1	b-bc	42	97	42	8	–	4	5	0	2-3	–	1	*
15	Dalwhinnie ...	02·0	0	–	0	0	37	97	36	7	5	–	–	10	10	1500	1	*
	Aberdeen † ...	02·1	-4	NNN	1	dodo	47	97	47	5	6	2	–	9	10	800	1	1
	Wick ...	03·2	+2	NNW	1	fg	39	97	39	6	5	3	8	2-3	7-8	4000	1	*
16	Sumburgh ..	04·6	+10	–	0	fg	48	97	47	6	5	4	5	Tr	1	600	1	1
17	Blacksod Point	07·4	+18	SE'E	3	bc/pr	48	92	46	7	3	–	3	4-6	4-6	1800	1	3
18	Malin Head ...	09·4	+12	S	1	b-bc	44	75	36	8	–	3	–	0	2-3	–	2	2
	Aldergrove ...	00·9	+6	–	0	fg	36	92	35	8	5	–	–	1	1	2500	1	*
19	Birr Castle ...	03·2	+6	SSE	2	bc	44	92	42	8	5	–	*	4-6	4-6	2300	1	*
20	Valentia Obsy.	07·2	+2	S'E	3	c/pr	49	92	47	8	8	–	–	9	9	2400	1	2
	Roches Point	09·2	+4	WSW	3	bc	52	92	50	8	3	–	3	2-3	4-6	1500	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F.	Temperature. Min. Night 18h–7h °F.	Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Rainfall. Night 18h–7h mm.	Sunshine 22nd Hrs. (38)
1	London (Kew)	59	51	43	1	R	1·9
	Croydon ...	59	49	46	1	10	2·6
	S. Farnborough	59	48	39	0·5	6	3·4
	Boscombe Down	59	47	45	12	14	2·8
	Thorney Island	60	50	45	3	13	*
	Lympne ...	59	52	47	1	4	2·7
	Manston ...	63	51	46	Tr	3	5·0
2	Shoeburyness ...	63	52	45	–	5	6·3
	Felixstowe ...	63	53	50	Tr	R	6·7
	Gorleston ...	62	54	49	–	6	7·5
	Mildenhall ...	63	49	44	–	10	
	Cranwell ...	60	43	32	Tr	–	6·2
3	Birmingham ...	57	48	44	1	6	5·0
	Upper Heyford	60	47	46	2	10	*
4	Ross-on-Wye	60	50	47	1	1	4·4
5	Hartland Point	56	49	48	3	8	0·7
	Bristol ...	61	44	46	5	7	3·7
	Portland Bill ...	58	52	*	7	10	*
	Plymouth ...	59	49	45	1	8	1·2
	The Lizard ...	57	48	*	0·5	6	1·1
	Scilly (St.Mary's)	59	49	*	1	1	3·0
	Guernsey ...						
6	Pembroke ...	56	48	*	10	6	1·8
7	Holyhead (Valley)	59	45	41	–	–	*
	Chester (Sealand)	58		44	0·3	5	2·9
8	Manchester ...	59	47	42	Tr	3	*
10	Spurn Head ...	58	50	*	–	2	7·4
	Catterick (Sc) ...	58	47	45	–	12	4·4
	Tynemouth ...	58	50	47	–	16	*
11	St. Abbs Head	58	47	*	–	7	*
	Leuchars ...	57	44	32	–	9	5·5
12	Renfrew (Abbotsl.)	57	46	35	0·3	–	5·1
	Eskdalemuir ...	55	42	33	3	2	2·9
	Point of Ayre ...	60	43	*	–	Tr	7·0
13A	Tiree	55	48	42	2	1	2·2
13B	Stornoway ...	55	41	32	10	3	1·8
15	Dalwhinnie ...	50	36	32	4	0·1	0·8
	Aberdeen † ...	56	42	31	–	1	2·8
	Wick ...	56	39	32	Tr	Tr	*
16	Sumburgh ..	54	43	32	–	1	0·7
17	Blacksod Point	55	46	*	3	3	*
18	Malin Head ...	56	41		7	–	2·0
	Aldergrove ...	56	34	29	–	0·2	5·5
19	Birr Castle ...	57	39	32	0·2	–	3·4
20	Valentia Obsy.	56	48	43	1	4	6·9
	Roches Point	57	47	*	0·1	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 22nd October ... 18h. G.M.T. | 01h. G.M.T. 23rd October ... 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	57	02761	15426	57	01662	20312	57	01763	00014	57	01731	00004
115	57	10844	20226				54	01961	20124	24	02963	12123
203												
206	16	02963	22124	5-	02665	20125	00	00890	20110	57	05665	20127
210	86	02864	20285	5A	02964	15225	50	01862	12112	5-	04844	00028
219	36	02854	15586	9-	25745	14386	30	01744	12284	27	01853	11113
230	87	02856	20187	80	01963	14123	8-	25854	14184	57	02864	06187
245	83	02766	18227	44	05561	18215	57	05664	00027	52	62543	02268
260	24	01754	20314	54	05654	28325	57	05653	04124	02	51328	24118
278												
279	86	02854	18425	36	25763	14284	57	05665	06228	62	62544	10168
285	23	01744	22526							22	62744	24268
288	86	05654	17425	23	05653	20317	52	64643	00068	52	47355	24168
575	80	01665	51415	24	01753	18314	50	01862	14103	74	02866	00016
301	30	05684	16385	86	05555	10286	62	62445	12268	5-	61448	08163
321	80	05664	16414	47	05664	12298	52	64553	10168	57	05564	16265
299	50	05663	22207	8-	11743	22398	5-	62748	18368	5-	03748	16228
292	26	17654	18225	47	17663	12325	52	64535	00068	52	61434	00068
310	16	01635	16465	60	51428	24358				--	46103	24343
614	38	02754	16324	57	08475	12123	57	62455	14267	57	05535	16127

18h. G.M.T. 22nd October ... 18h. G.M.T. | 01h. G.M.T. 23rd October ... 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	57	02864	18427	96	05643	17385	57	02765	00068	57	82636	00088
334	--	63637	26388	--	02646	26316				--	04349	00028
340	89	02853	18316	87	02754	14327	5-	62648	16268	57	04604	18126
136	86	05654	19314	09	02790	14316	62	62634	06268	5-	05624	20268
330	23	25754	20385	57	05614	20238				57	05656	20328
350	23	01853	16314	57	62654	12368	57	05634	22166	57	61644	18227
368	83	02844	22286	52	22754	20268						
379	87	25855	18386	52	64624	16388				--	67209	14369
390	46	05653	16485	57	05654	12386	52	22445	14365	5-	45367	16248
382	23	02856	17415	52	64644	14188	5-	08448	20168	5-	62548	14168
438	87	02744	22515	3-	85648	18628	8-	02747	21627	87	02754	16616
430	23	02845	16427	52	62752	49468	5-	02856	30166	7-	02745	20428
409	87	25844	16487	86	02745	17327	8-	25758	14288	84	04944	00064

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 October
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 ...	bcmobc.	prprmo	qrrocmow	Kew 24 hours ended 7h. Max. Time 0·3 7-15h 22nd Min. Time 0·1 1-5h 22nd
Croydon ...	bmocprbc	ccprcmo	crrcmo	
Greenwich ...	crbc	cp	crRain	
Camden Square	c	c	*	
Kensington ...	bc	cpc	*	
Hampstead ...	bcp	or	or	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	59	51	43	1	11	1·9	*	*
Croydon ...	59	49	46	1	10	2·6	*	*
Greenwich ...	61	49	43	1	10	3·8	85	93
Westminster ...	62	51	44	19			83	97
Regents Park ...	61	50	42	–	15		85	90
Camden Square	61	50	43	0·1	15	*	*	92
Kensington ...	62	50	41	1	14		93	92
Hampstead ...	60	48	44	0·1	12		*	97

SECRET

Page 1

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

Sunday, 24th October 1943 — No. 25921

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

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)	04·3	+6	SW	4	pr	57	75	49	8	9	-	3	9	9+	2500
	Croydon ...	05·0	+6	SSW	3	c-bc/pr	57	75	51	7	8	7	-	4-6	7-8	1800
	S. Farnborough	04·4	+12	W'S	4	c-bc/pr	57	85	52	8	8	6	3	7-8	7-8	1800
	Boscombe Down	05·0	+16	W	4	c	55	85	50	8	2	-	2	4-6	9+	2500
	Thorney Island	05·6	+16	SW'S	5	bc	60	75	50	8	3	-	3	2-3	4-6	2500
	Lympne ...	06·1	+4	SW	5	c	59	75	50	8	8	-	-	4-6	9+	1200
	Manston ...	05·9	+6	SSW	6	pr	58	75	51	8	3	6	3	4-6	7-8	2500
2	Shoeburyness ...	05·8	+8	SW	4	lr c-bc/pr	54	85	49	8	8	3	-	7-8	7-8	1500
	Felixstowe ...	04·5	+4	SW'S	4	c/pr	59	75	52	8	8	6	-	2-3	7-8	2500
	Gorleston ...	04·0	-6	SW'S	5	c/pr	57	85	52	7	8	7	-	7-8	9	1500
	Mildenhall ...	03·0	-6	SSW	3	z_o	58	85	52	6	2	4	-	4-6	7-8	2500
	Cranwell ...	03·0	+2	WSW	2	ir_o	52	97	51	6	5	2	-	9	10	1200
3	Birmingham ...	04·2	+10	WSW	2	z_o	52	92	50	6	6	3	-	4-6	10	800
	Upper Heyford	03·4	+12	SW'W	3	c-bc/r	56	85	49	8	8	-	2	2-3	7-8	1500
4	Ross-on-Wye	04·0	+12	WSW	3	c-bc	57	75	49	8	8	-	-	7-8	7-8	2500
5	Hartland Point	04·7	+14	WSW	4	bc	54	75	47	9	2	-	-	4-6	4-6	2500
	Bristol ...	05·0	+18	WSW	2	bc	56	85	50	7	8	3	-	2-3	4-6	2500
	Portland Bill ...	05·7	+20	W	4	c-bc	56	92	54	8	2	-	-	7-8	7-8	4000
	Plymouth ...	06·0	+14	WSW	4	b-bc	57	65	45	8	2	-	-	2-3	2-3	3000
	The Lizard ...	05·9	+16	SW	4	bc	58	75	48	8	2	-	-	4-6	4-6	3500
	Scilly (St. Mary's)	05·2	+10	SW	4	c-bc	59	65	48	8	8	6	3	4-6	7-8	1500
	Guernsey ...															
6	Pembroke ...	04·7	+8	WSW	2	bc	57	75	47	8	2	6	-	2-3	4-6	2500
7	Holyhead (Valley)	03·7	+18	SW	2	bc	57	65	44	8	2	6	3	2-3	4-6	2500
	Chester (Sealand)	03·2	+14	WNW	2	c	55	75	47	8	8	8	-	4-6	9+	2500
8	Manchester ...	02·6	+8	SW'W	3	z_o	54	92	51	6	5	2	-	7-8	10	3000
10	Spurn Head ...	02·9	+6	WSW	3	ir_o	53	85	49	6	5	2	-	4-6	10	1500
	Catterick (Sc.) ...	01·6	+4	SW	2	c	55	92	52	7	5	7	-	4-6	9+	3000
	Tynemouth ...	01·8	+4	W	2	z_o	54	85	49	6	8	-	-	7-8	7-8	3600
11	St. Abbs Head	01·5	+4	NNW	3	c/r	49	97	48	7	5	6	-	7-8	9+	1000
	Leuchars ...	02·0	+2	WNW	1	ro_o	50	97	50	5	6	2	-	2-3	10	700
12	Renfrew (Abbots I.)	02·6	+4	-	0	c/r	52	85	47	5	5	7	-	7-8	10	2500
	Eskdalemuir ...	01·4	+8	SW	2	ir_o	50	85	47	6	5	1	-	9	10	900
	Point of Ayre ...	02·6	+14	NW'W	3	b-bc	56	85	50	8	2	-	-	2-3	2-3	3000
13A	Tiree	03·7	+8	NNE	1	c-bc	54	75	45	8	1	7	-	1	7-8	2500
13B	Stornoway ...	03·5	+6	NE	3	c	53	85	49	8	5	3	4	2-3	9	1200
15	Dalwhinnie ...	03·1	+2	NE	2	id	45	92	43	6	5	-	-	10	10	1500
	Aberdeen ...	02·2	+6	NNW	1	ir_o	52	85	49	6	5	2	-	4-6	10	4000
	Wick ...	03·8	0	SE	1	z_o	51	97	51	6	6	2	-	9	10	900
16	Sumburgh ...	04·8	-4	E'N	1	c	49	92	48	6	5	-	-	10	10	500
17	Blacksod Point	01·7	+20	E	3	c-bc	53	85	49	8	8	5	-	4-6	7-8	1500
18	Malin Head ...	01·9	+10	W'N	2	b	53	65	42	8	1	-	-	1	1	2500
	Aldergrove ...	03·3	+10	W	1	z_o	51	85	47	6	2	4	5	Tr	1	2500
19	Birr Castle ...	01·6	+10	ESE	2	c-bc/r-bc	57	75	50	8	5	-	-	7-8	7-8	2500
20	Valentia Obsy.	00·0	+16	S	4	c-bc/pr	56	85	52	8	2	-	3	4-6	7-8	2100
	Roches Point	01·3	+10	SSW	4	bc	54	85	50	8	3	-	3	4-6	4-6	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	°Temp. (21)	% Humid. (22)	°Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	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)	08·9	+26	SW	2	m	52	85	49	4	5	-	-	Tr	Tr	2500	1	*
	Croydon ...	09·5	+28	SW	2	m	50	92	48	4	-	7	-	0	1	-	1	*
	S. Farnborough	08·9	+26	WSW	2	b-bc	51	92	49	8	-	4	-	0	2-3	-	1	*
	Boscombe Down	09·0	+26	SW	1	b-bc	50	85	47	7	2	4	-	Tr	2-3	3000	0	*
	Thorney Island	09·1	+20	SW'W	2	b-bc	54	85	50	7	2	6	-	2-3	2-3	2500	1	*
	Lympne ...	09·6	+18	WSW	2	b	51	97	50	7	-	4	-	0	Tr	-	1	3
	Manston ...	08·5	+14	SSW	2	b-bc	52	92	50	8	3	6	-	1	2-3	2000	1	*
2	Shoeburyness ...	08·9	+26	WSW	2	bc	54	85	49	7	2	4	-	2-3	4-6	4000	1	*
	Felixstowe ...	06·9	+22	WSW	3	b-bc	54	85	50	8	5	-	-	2-3	2-3	2500	1	3
	Gorleston ...	06·4	+16	WSW	2	bc	53	85	49	7	8	-	-	4-6	4-6	2000	1	3
	Mildenhall ...	07·6	+32	SW	2	b	51	85	47	7	5	-	1	Tr	Tr	4000	1	*
	Cranwell ...	06·3	+30	W'S	3	z_o	49	92	48	6	5	7	-	2-3	4-6	4500	1	*
3	Birmingham ...	07·8	+20	W	2	z_o	50	85	46	6	5	4	-	1	2-3	2500	1	*
	Upper Heyford	07·5	+26	WSW	2	z_o	52	85	48	6	4	6	-	4-6	9+	3300	1	*
4	Ross-on-Wye	08·0	+26	SW'W	2	b	51	75	43	8	8	-	3	Tr	Tr	2500	1	*
5	Hartland Point	06·7	+14	S	3	b-bc	53	85	49	8	3	6	-	1	2-3	2500	1	3
	Bristol ...	08·9	+28	SW	1	z_o	49	85	44	6	3	6	-	Tr	Tr	2500	1	*
	Portland Bill ...	09·7	+20	SW	4	c-bc	57	75	49	8	1	-	-	7-8	7-8	4000	1	4
	Plymouth ...	08·4	+14	SW	4	bc	55	75	47	8	3	6	3	2-3	4-6	3000	1	3
	The Lizard ...	07·3	+10	SSW	4	bc	54	85	50	8	5	-	-	4-6	4-6	2500	1	4
	Scilly (St. Mary's)	06·1	+10	SW	4	c/pr	52	85	48	8	8	6	1	7-8	9+	1200	1	4
	Guernsey ...																	
6	Pembroke ...	06·4	+4	SW	4	c-bc/pr	54	92	52	8	8	-	-	7-8	7-8	2000	1	3
7	Holyhead (Valley)	06·4	+14	S'E	1	bc/jp	47	92	45	8	3	6	3	2-3	4-6	2000	1	1
	Chester (Sealand)	06·7	+26	-	0	b	48	85	45	6	1	-	-	Tr	Tr	2500	0	*
8	Manchester ...	07·0	+28	W'S	1	z_o	48	92	45	6	4	-	-	7-8	7-8	3000	1	*
10	Spurn Head ...	05·8	+38	SW	3	z_o	52	92	50	6	7	-	-	4-6	4-6	2500	1	3
	Catterick (Sc.) ...	05·1	+30	SW	1	z_o	47	97	46	6	2	3	1	1	4-6	4000	1	*
	Tynemouth ...	04·6	+22	W	3	z_o	52	85	48	6	5	-	-	9+	9+	2500	1	2
11	St. Abbs Head	03·3	+10	WNW	3	c	49	85	45	7	5	-	-	9+	9+	800	0	3
	Leuchars ...	03·7	+14	WNW	1	ro_o	49	85	45	7	5	7	-	7-8	10	2500	1	*
12	Renfrew (Abbots I.)	04·7	+16	WSW	1	c-bc/z_o	49	92	48	5	7	7	-	7-8	7-8	2000	1	*
	Eskdalemuir ...	04·4	+20	-	0	c-bc/pr	47	85	44	6	5	3	-	7-8	7-8	1300	1	*
	Point of Ayre ...	05·2	+12	WN	3	b	46	85	42	8	2	4	4	Tr	1	3000	0	2
13A	Tiree	05·7	+18	NNW	1	c	50	85	46	8	5	3	-	7-8	9+	2500	1	1
13B	Stornoway ...	04·9	+10	NNW	2	c	48	92	46	8	2	7	2	2-3	9	2500	0	1
15	Dalwhinnie ...	05·0	+12	-	0	rr	43	97	42	6	5	2	-	10	10	1500	1	*
	Aberdeen ...	03·4	+14	WNW	3	ro/z_o	48	97	47	6	5	2	-	1	10	4000	1	2
	Wick ...	04·4	+12	N	1	z_o	51	92	48	6	5	2	-	9+	10	400	1	*
16	Sumburgh ...	04·3	-2	N'E	1	c	49	92	47	6	5	-	-	10	10	500	1	2
17	Blacksod Point	05·5	+22	NE'E	1	c	50	97	49	7	5	-	-	9+	9+	2500	1	2
18	Malin Head ...	05·2	+22	SW	1	b	47	85	43	8	-	-	-	0	0	-	1	2
	Aldergrove ...	05·9	+18	-	0	c-bc	48	85	44	8	5	-	-	7-8	7-8	6200	1	*
19	Birr Castle ...	03·5	+14	ESE	1	c	49	92	47	8	8	7	-	7-8	9	1500	2	*
20	Valentia Obsy.	03·8	+26	NE'E	1	bc	51	85	47	8	5	-	-	4-6	4-6	4000	1	1
	Roches Point	03·9	+18	-	0	c-bc/pr	53	92	51	8	3	-	3	4-6	7-8	1500	1	4

PAST 24 HOURS. — WEATHER.

District	Stations	7h.—13h. 23rd (39)	13h.—18h. 23rd (40)	18h. 23rd to 1h. 24th (41)	1h.–7h. 24th (42)
1	London (Kew)	rRbcpr	prbclbmwbmfw	bpFew	
	Croydon ...	aicpc	cpromobdmbcmo	bmowbcmo	
	S. Farnborough	cpRmopsc	clocclbcbcbbcmo	bcmobcwbc	
	Boscombe Down	cpsmcpsc	cprolcbbbcmow	bcmowbw	
	Thorney Island	bcpcbc	bc b cmo	bcmopsbcw	
	Lympne ...	cbccprc	cphprclobw	b	
	Manston ...	bcpr	bcprocprbmobw	bmobw	
2	Shoeburyness ...	cRRrc	circ c	bcmo	
	Felixstowe ...	cprbc	bcprb bbmo	bmobf	
	Gorleston ...	cprq	cprc b	bzo	
	Mildenhall ...	cmirc	cvr. tbobbmo	bmobm	
	Cranwell ...	csrmo	cmocbmbmo	bcmo	
3	Birmingham ...	ocsc	clo bm	bcam	
	Upper Heyford	cicmocrc	bccmo cbmofw	bfwfg	
4	Ross-on-Wye	iroc	bcvbv	b	
5	Hartland Point	cbcv	bcprv b	bbc	
	Bristol ...	rorocprbc	bcbbmobmow	bmocwbccw	
	Portland Bill ...	arc	bcc c	c	
	Plymouth ...	cirmobc	bccbc bcopr	bccmopr	
	The Lizard ...	bc	bc prbcc	obcw	
	Scilly (St. Mary's)	bcc	cbccp cbcb	bw	
	Guernsey ...				
6	Pembroke ...	bc	cpro cprcsrs	bcgcpro	
7	Holyhead (Valley)	bc	bcpro bcwv	cpRrrmo	
	Chester (Sealand)	cmmo	c,bc brlombc	cbcmfsrs	
8	Manchester ...	cirmo	cbcmo c	bccprpro	
10	Spurn Head ...	cmirc	bcmo bmo	bcwmo	
	Catterick (Sc.) ...	c	cbcmo bbmo	bcmocbff	
	Tynemouth ...	cm	cmo cmoirsbcbcbbcmo		
11	St. Abbs Head	cmrrc	cprp bcmo	bcmocmobc	
	Leuchars ...	crrmocrc	cromocrobcmo	bmocmo	
12	Renfrew (Abbots I.)	cmcrmcm	cmocmobcmwcmwf		
	Eskdalemuir ...	orirc	cpr bcprof	of	
	Point of Ayre ...	bc	b crors	rofbc	
13A	Tiree	bcc	cbcc cbcwcw	bwbcw	
13B	Stornoway ...	bbcc	c cbcbbc	bcwbwbcf	
15	Dalwhinnie ...	oid	orr *	orrg	
	Aberdeen ...	cmrcirc	crorrmcrorrmo	crorrcido	
	Wick ...	cm	bc cmo	cmocido	
16	Sumburgh ...	bcfg	pmoc cmo	cbc	
17	Blacksod Point	bc	bcc bc	r	
18	Malin Head ...	b	bc bc	bc	
	Aldergrove ...	bufgcfb	bmjfbccmobcmowbmobf		
19	Birr Castle ...	c	pr* *	c	
20	Valentia Obsy.	pr	bc bc	b	
	Roches Point	pr	cprc pr	b	

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light variable winds; scattered showers, but appreciable clear skies tonight; local fog tonight; rather warm this afternoon; rather cold tomorrow morning.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Light variable winds; scattered showers; local mist or fog tonight; rather cold.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light variable winds; local rain or showers today; mainly fine tonight, with fog developing locally; rather cold.
12 S.W. Scotland & Isle of Man 13A W. Scotland ...	Light northwest winds; a few showers near coasts; local fog inland over low ground becoming fairly general tonight; rather cold.
13B N.W. Scotland	Light westerly winds; a few showers; rather cold.
14 Mid Scotland	As 12-13
15 N.E. Scotland	Light variable winds; scattered showers; rather cold.
16 Orkneys and Shetlands	As 15
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light or moderate northwest winds, backing tomorrow; scattered showers in north and west; risk of rain in extreme west towards noon tomorrow; local fog tonight; rather cold.

GENERAL INFERENCE

A weak trough is moving slowly east across the British Isles and a ridge of high pressure is approaching from the Atlantic; there will be scattered showers in most districts today, but especially in the West; there will be appreciable clear skies in eastern districts tonight; rather cold in most districts; local fog tonight but more general in the Clyde-Forth area.

FURTHER OUTLOOK

Rain spreading east across the British Isles.

Forecasts issued at 10·30

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

7h. Sunday 24th October 1943.

10° 5°W. 5°E.

60° 55° 50°

HIGH

LOW.

HIGH

HIGH

1008 1010 1012 1004 1006 1002

Mb. In.

1050 31
1040
1030
1020 30
1010
1000
990 29
980
970
960 28
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

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

Scale 1.: 5,000,000

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

Pt. 523/4556 Wt. 8091 D. H545. Gp. 948/2. 7440. 10/43.

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 24th October

1943.

Clarke 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.

Sunday 24th October 1943 — No. 29321

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

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	*	*	*	*	*	44	*	*	*	*	*	*	*	*	*
	Croydon ...	290	13·1	+10	SW	2	Zo	47	97	46	5	–	–	–	0	0	–
	S. Farnborough	226	12·3	+6	–	0	Zo	43	97	42	6	5	–	–	2-3	2-3	3200
	Boscombe Down	417	12·0	+4	SE	2	Zo	43	97	43	6	5	–	–	2-3	2-3	3000
	Thorney Island	10	12·4	+6	E'N	1	Zo	43	97	43	6	5	–	–	7-8	7-8	4000
	Lympne ...	283	12·9	+8	NW	2	b	46	92	45	7	–	–	–	0	0	–
	Manston ...	154	117	+8	WSW	2	Zo	48	92	46	6	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	11·6	+14	WNW	2	Zo	49	92	47	6	–	–	–	0	0	–
	Gorleston ...	5	10·4	+16	W'N	2	Zo	47	85	44	6	–	–	–	0	0	–
	Mildenhall ...	15	11·2	+10	SW	3	Zo	46	97	45	6	5	–	–	2-3	2-3	4500
	Cranwell ...	203	10·7	+14	W	1	Zo	45	92	43	6	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	11·6	+12	–	0	bf+	42	97	42	3	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	08·2	+4	SW	8	b-bc	50	97	49	8	1	–	–	2-3	2-3	2500
	Bristol ...	209	10·6	+2	S	2	Zo	42	92	40	6	4	–	+	1	1	4000
	Portland Bill ...	32	11·1	+6	SW	4	c-bc	57	85	53	8	5	–	+	7-8	7-8	4000
	Plymouth ...	86	10·2	+6	SW	4	bc/pr	55	85	51	7	8	–	+	4-6	4-6	1800
	The Lizard ...	240	09·3	+12	S'W	4	c-bc	54	92	51	8	5	–	–	7-8	7-8	1500
	Scilly (St. Mary's)	163	08·4	+8	S'W	3	b	53	92	50	8	5	–	–	Tr	Tr	1500
	Guernsey ...	175															
6	Pembroke ...	142	08·4	+6	N'S	4	bc	53	92	51	8	8	–	–	7-8	7-8	1500
7	Holyhead (Valley)	32	08·3	+2	ESE	2	b-bc	47	92	45	8	5	4	–	2-3	2-3	2500
	Chester (Sealand)	16	09·7	+8	SSE	1	m	41	92	40	4	5	–	–	4-6	4-6	2500
8	Manchester ...	230	09·5	+6	S	3	Zo	46	92	44	6	5	–	–	4-6	4-6	3000
10	Spurn Head ...	29	10·5	+14	WSW	3	Zo	49	85	45	6	–	–	–	0	0	–
	Catterick (Sc)...	192	09·4	+10	SW	1	Zo	38	97	38	6	–	–	–	0	0	–
	Tynemouth ...	108	08·6	+12	W	3	b-bc	47	85	44	7	2	–	–	2-3	2-3	2500
11	St. Abbs Head	280	07·0	+6	NNW	2	bc	47	85	43	7	5	–	–	4-6	4-6	2500
	Leuchars ...	36	07·0	+10	W	2	bc	43	97	43	6	5	–	–	4-6	4-6	3000
12	Renfrew (Abbots L.)	19	07·8	+10	NSW	1	m	47	97	46	4	5	–	–	7-8	7-8	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	08·2	+8	NW	2	Sc	50	85	46	8	8	7	–	2-3	9+	2000
13A	Tiree	44	08·4	+10	–	0	b	46	97	45	8	–	3	–	0	1	–
13B	Stornoway ...	12	06·8	+6	–	0	bc	43	97	43	7	7	2	–	2-3	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	06·7	+10	W	2	do.	47	92	45	6	–	2	–	10	10	2300
	Wick ...	114	06·3	+6	WNW	1	Zo	46	92	44	6	5	1	–	2-3	7-8	1000
16	Sumburgh ..	19	04·9	0	N	1	c-bc	48	85	44	7	5	–	–	7-8	7-8	1500
17	Blacksod Point	18	09·4	+12	–	0	bc	49	92	47	7	8	–	–	4-6	4-6	2500
18	Malin Head ...	84	07·6	+6	SSW	1	b-bc	42	92	40	8	4	–	–	2-3	2-3	2500
	Aldergrove ...	268	08·7	+6	–	0	Zo	41	92	40	6	–	–	–	0	0	–
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	08·7	+14	–	0	b	48	85	44	8	5	–	–	Tr	Tr	2500
	Roches Point	22	07·9	+12	N	2	b-bc	46	97	45	8	3	–	–	2-3	2-3	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	13·5	+8	–	0	b-bcf	42	97	41	1	8	–	3	1	2-3	4000	1	*
	Croydon ...	14·3	+10	SSE	3	c/d	47	92	45	6	3	–	3	4-6	9	3000	1	*
	S. Farnborough	13·3	+10	S	2	b-bc	45	97	44	7	8	7	–	2-3	2-3	3000	1	*
	Boscombe Down	13·0	+10	ESE	2	fg	43	97	43	6	3	–	8	2-3	2-3	2500	1	*
	Thorney Island	12·9	+2	S'W	1	c-bc	47	92	47	9	9	–	–	7-8	7-8	2500	1	*
	Lympne ...	13·9	+8	ENE	1	bc	43	92	41	7	–	7	4	0	4-6	–	0	3
	Manston ...	13·8	+10	S	1	bc	45	92	42	8	2	3	6	Tr	4-6	2500	1	*
2	Shoeburyness ...	13·4	+8	S'W	1	bc	47	97	45	8	–	3	5	0	4-6	–	1	*
	Felixstowe ...	13·4	+10	WNW	1	bf+	43	97	42	0	–	–	–	0	0	–	1	2
	Gorleston ...	12·3	+14	WNW	2	Zo	44	92	43	6	–	4	–	0	2-3	–	1	2
	Mildenhall ...	12·8	+8	S'E	2	Zo	40	97	39	6	5	4	–	1	2-3	4000	0	*
	Cranwell ...	11·9	+6	SW	2	Zo	40	97	40	6	–	4	–	0	4-6	–	1	*
3	Birmingham ...	12·2	+6	SSW	1	Zo	42	97	41	5	5	–	3	2-3	2-3	2500	1	*
	Upper Heyford	12·2	+8	S	1	fg	43	97	42	5	8	–	–	7-8	7-8	3000	1	*
4	Ross-on-Wye	11·5	+10	–	0	fg	41	97	40	7	8	–	3	1	1	3000	1	*
5	Hartland Point	10·2	+12	SSW	3	bc	49	92	48	8	2	4	–	2-3	4-6	2500	1	3
	Bristol ...	11·9	+10	SSE	2	Zo	50	85	45	6	8	4	3	4-6	7-8	3500	1	*
	Portland Bill ...	11·0	+8	S	4	c-bc	57	85	53	8	3	–	–	7-8	7-8	2500	1	4
	Plymouth ...	11·6	+12	SW'S	3	c/pr	55	85	51	7	3	–	3	9	9	2000	1	2
	The Lizard ...	10·3	+10	S	4	bc	54	97	53	8	3	6	–	4-6	4-6	2500	1	4
	Scilly (St. Mary's)	10·2	+14	S	2	b	51	92	50	8	8	–	–	1	1	1600	1	2
	Guernsey ...																	
6	Pembroke ...	10·3	+4	–	0	c/pr	52	97	51	8	8	–	–	9	9	2000	1	+
7	Holyhead (Valley)	09·8	+10	E'S	1	c/c	47	97	46	8	8	7	–	9	9+	2000	1	1
	Chester (Sealand)	09·8	+2	SSE	1	Zo	45	92	43	5	5	7	–	9	10	2500	1	*
8	Manchester ...	10·4	+6	S	3	c/pr	47	92	45	6	4	6	–	7-8	9	3000	1	*
10	Spurn Head ...	11·9	+12	SW	2	Zo	46	92	44	6	7	3	–	2-3	2-3	4000	1	2
	Catterick (Sc)...	11·3	+12	–	0	1F	35	97	35	1	–	–	–	10	10	<150	0	*
	Tynemouth ...	10·6	+10	WSW	3	Zo	42	85	36	6	–	3	–	0	4-6	–	1	2
11	St. Abbs Head	09·1	+10	NNW	1	bc	46	85	42	7	4	4	–	2-3	4-6	2500	0	2
	Leuchars ...	08·8	+10	W	1	Zo	43	97	42	6	5	3	–	Tr	4-6	3000	1	*
12	Renfrew (Abbots L.)	09·3	+6	–	0	cf-	40	97	40	2	5	–	–	7-8	9	1800	1	*
	Eskdalemuir ...	09·8	+6	NW'N	1	f	38	97	37	2	5	–	–	10	10	<150	1	*
	Point of Ayre...	09·3	+6	–	0	c-bc	45	85	40	8	8	7	–	Tr	7-8	2000	0	0
13A	Tiree	09·2	+6	NW	1	bc	46	97	45	8	2	6	–	2-3	4-6	2500	1	0
13B	Stornoway ...	08·2	+10	–	0	bc/f+	39	97	39	3	8	4	5	2-3	4-6	2500	1	1
15	Dalwhinnie ...	08·7	+6	–	0	c	41	97	41	8	5	–	–	9+	9+	2500	1	*
	Aberdeen † ...	08·8	+14	–	0	ido	46	92	44	7	5	7	–	9	10	2500	1	1
	Wick ...	08·0	+8	WNW	1	c	45	97	45	7	5	7	–	2-3	10	1000	0	*
16	Sumburgh ..	06·3	+10	NW	1	c	47	92	44	8	7	3	2	4-6	9+	3000	1	1
17	Blacksod Point	10·9	+10	N'W	1	c	50	92	48	8	6	–	–	9+	9+	1500	1	2
18	Malin Head ...	09·0	+6	S	2	bc	45	92	43	8	2	–	–	4-6	4-6	2500	1	2
	Aldergrove ...	10·8	+10	E	1	bf+	33	97	33	3	–	4	–	0	1	–	1	*
19	Birr Castle ...	10·7	+14	W	4	c	44	92	42	7	5	2	–	7-8	10	2500	1	*
20	Valentia Obsy.	11·9	+18	–	0	b	43	97	42	9	8	–	–	1	1	2500	1	0
	Roches Point	10·6	+12	N	3	c	46	97	45	8	5	–	–	9	9	1500	1	4

PAST 24 HOURS.

District	Stations	Temperatures. Max. Day 7h–18h °F. (33)	Temperatures. Min. Night 18h–7h °F (34)	Temperatures. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 23rd Hrs. (38)
1	London (Kew)	57	40	29	4	Tr	1·9
	Croydon ...	57	45	41	4	0·1	2·4
	S. Farnborough	58	43	30	5	–	3·2
	Boscombe Down	57	43	34	4	0·2	3·4
	Thorney Island	61	42	35	1	0·3	*
	Lympne ...	59	43	39	3	–	4·6
	Manston ...	60	43	39	2	–	6·2
2	Shoeburyness ...	61	43	35	7	–	3·2
	Felixstowe ...	60	48	35	2	Tr	2·6
	Gorleston ...	59	44	33	2	–	2·7
	Mildenhall ...	60	39	34	0·5	–	2·7
	Cranwell ...	53	38	31	–	–	0·3
3	Birmingham ...	55	41	32	1	–	1·0
	Upper Heyford	57	41	33	5	–	*
4	Ross-on-Wye	59	39	31	0·1	0·3	2·9
5	Hartland Point	55	48	46	Tr	–	7·3
	Bristol ...	58	41	33	4	Tr	4·7
	Portland Bill ...	57	54	*	2	–	*
	Plymouth ...	59	50	44	0·2	4	6·4
	The Lizard ...	58	53	*	–	2	8·7
	Scilly (St. Mary's)	59	50	*	1	–	9·2
	Guernsey ...						
6	Pembroke ...	57	50	*	0·3	5	4·9
7	Holyhead (Valley)	58	46	41	0·5	5	*
	Chester (Sealand)	56	41	28	–	0·5	1·7
8	Manchester ...	54	48	33	Tr	*	*
10	Spurn Head ...	53	45	*	0·5	Tr	1·4
	Catterick (Sc)...	58	34	31	0·6	–	0·7
	Tynemouth ...	54	42	40	0·4	1	*
11	St. Abbs Head	51	44	*	9	–	*
	Leuchars ...	51	42	35	10	0·1	0·0
12	Renfrew (Abbots L.)	52	39	33	Tr	Tr	0·0
	Eskdalemuir ...	52	36	32	1	0·2	0·0
	Point of Ayre...	57	41	*	–	0·1	5·7
13A	Tiree	55	43	31	–	0·1	1·9
13B	Stornoway ...	54	38	30	–	–	3·9
15	Dalwhinnie ...	48	37	30	9	3	0·0
	Aberdeen † ...	52	46	44	7	5	0·0
	Wick ...	51	43	40	–	–	*
16	Sumburgh ..	51	44	42	Tr	–	0·1
17	Blacksod Point	58	46	*	–	0·1	*
18	Malin Head ...	54	41		–	–	
	Aldergrove ...	55	33	28	0·1	Tr	6·6
19	Birr Castle ...	57	43	41	2	–	
20	Valentia Obsy.	59	43	35	1	Tr	
	Roches Point	56	44	*	3	0·6	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 23rd October — 18h. G.M.T. — 01h. G.M.T. 24th October — 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	02733	00027	54	05644	02224	57	02754	25125	57	02855	26228
115	24	02864	12124	23	09477	12227	24	02854	08126	34	02844	06126
203							5-	02947	16227			
206	52	51665	24368	62	62545	24168	02	62658	22368	57	62654	24368
210	62	62644	18168	52	61645	26368	62	62644	22268	52	62843	21268
219	23	02862	02225	23	02861	30226	50	01861	00011	20	04863	00003
230	85	02864	28129	5-	02968	28128	50	01853	00023	53	01364	00024
245	62	62734	30168	57	22644	00068	57	05664	28167	54	01953	26113
260	57	62654	02166	37	05546	00028	03	08430	20323	5-	05656	22228
276												
279	83	05665	08127	44	05655	22325	00	05690	18110	53	04664	22114
285	27	05635	26427				50	01753	00013	23	81745	30227
288	53	02765	18317	57	05654	18315	00	00790	19310	04	04790	24143
575	7-	02765	16126	77	02876	00027	50	05671	00011	00	47090	00000
301	57	02765	23567	07	01890	24212	5-	08485	08225	52	62466	08268
321	52	62455	16268	50	08464	20164	00	08490	20210	54	45365	15146
299	5-	61648	18268	5-	08438	22228				50	05543	22203
292	59	08562	18268				50	05561	00001	--	46109	00049
310												
614	02	67348	26268	53	05564	22414	00	45290	28140	83	47264	00046

13h. G.M.T. 23rd October — 18h. G.M.T. — 01h. G.M.T. 24th October — 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
333	20	01864	21214	54	01962	18113	87	81644	17488	57	02845	00028
334				--	01771	02202						
340	87	02754	24227	40	01952	14282	57	05665	00028	57	61655	16367
136	23	22645	18366	06	05630	21291	00	43390	20240	04	04690	18141
330	20	01753	24313	40	01753	24313						
350	87	02854	24265	06	01790	20213	00	05690	00000	24	05651	16102
368				40	01853	22213	57	02655	20116			
379	57	02844	20365	50	05663	20323	04	01790	20101	54	01763	20213
390	26	05555	14386	00	05630	20180	--	46109	20149	--	48209	14149
382	86	02843	20265	47	05663	00024	50	05661	00041	53	05664	12146
438	80	10755	22685	20	01753	23413	40	01763	28213	87	01754	22214
430	23	25955	18485	26	01762	21113	50	05653	00013	26	81754	30183
409	83	01954	18414	36	01853	18313	00	00790	14310	30	04753	15213

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 24th October
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 ...	rRbepr	prbcbmw	bjFew	—
Croydon ...	c16 cp6	cp6m6bc	bm6cm6	—
Greenwich ...	crrbc	bcspbcm6	bcmbcm6	Kew 24 hours ended 7h.
Camden Square	cp	c	*	Max. Time 18h 23rd
Kensington ...	bcpbc	cbc	*	0·6
Hampstead ...	orhtl	bc	bc	Min. Time 11h 23rd

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	57	40	29	4	Tr	1·9	*	*
Croydon ...	57	45	41	4	0·4	2·4	*	*
Greenwich ...	61	41	29	4	–	3·5	81	89
Westminster ...	60	42	36	[illegible]			72	86
Regents Park ...								
Camden Square	59	42	34	3	--	*	*	97
Kensington ...	60	42	31	2	Tr		87	93
Hampstead ...	58	44	35	4	–		*	87

SECRET

Page 1

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

Monday 25th October 1943 — No. 29922

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

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)	13·7	−4	SW'S	2	C	56	75	48	8	3	7	3	4-6	9+	2500
	Croydon ...	14·9	+2	S'W	3	c-bc jp	60	65	48	7	2	8	6	2-3	7-8	2500
	S. Farnborough	13·8	−2	WS	2	PR	57	75	49	8	8	4	5	7-8	7-8	2000
	Boscombe Down	13·2	−6	SW	3	c-bc	59	65	48	8	2	-	2	7-8	7-8	2000
	Thorney Island	13·9	−2	SSW	3	c-bc	59	75	51	9	3	-	3	4-6	7-8	2500
	Lympne ...	14·9	0	SW	2	C	58	75	48	7	2	-	3	4-6	9+	2500
	Manston ...	14·5	+2	S'E	1	C	57	75	48	8	2	9	2	2-3	9+	2500
2	Shoeburyness ...	14·8	−2	S	1	c-bc	60	75	51	8	2	4	2	2-3	7-8	5700
	Felixstowe ...	14·6	0	SSW	3	c-bc	58	75	50	7	2	7	2	2-3	7-8	2500
	Gorleston ...	13·9	+2	SW	2	c-bc	58	65	46	7	2	7	1	4-6	7-8	2500
	Mildenhall ...	13·5	−4	SW'S	3	c-bc	60	65	45	7	2	-	2	4-6	7-8	3500
	Cranwell ...	12·1	−6	SW	2	bc	59	75	49	8	2	-	2	4-6	4-6	3000
3	Birmingham ...	12·6	0	WSW	2	c-bc	56	65	44	8	8	-	-	7-8	7-8	1500
	Upper Heyford	12·7	−6	WS	3	bc	59	65	47	8	2	-	1	4-6	4-6	3000
4	Ross-on-Wye	12·5	−4	WSW	2	bc/pr	54	85	49	8	8	-	-	4-6	4-6	3000
5	Hartland Point	12·3	+4	WSW	2	bc	54	85	50	8	3	6	-	2-3	4-6	2000
	Bristol ...	12·9	−2	SSW	2	c-bc	60	65	47	7	2	6	-	7-8	7-8	4000
	Portland Bill ...	13·7	+4	SW	4	c-bc	59	85	55	8	2	-	-	7-8	7-8	4000
	Plymouth ...	12·8	+2	SW	3	cbc	59	75	52	7	8	-	-	4-6	4-6	2500
	The Lizard ...	12·4	+6	S'W	2	cbc	60	85	54	8	2	-	-	7-8	7-8	3500
	Scilly (St. Mary's)	12·2	+4	-	0	bc	62	65	51	8	2	-	-	4-6	4-6	1600
	Guernsey ...															
6	Pembroke ...	12·1	+2	WNW	3	c-bc	57	85	53	8	8	4	-	4-6	7-8	2500
7	Holyhead (Valley)	12·1	+8	NW	1	c-bc/pr	54	75	47	9	3	6	-	4-6	7-8	1500
	Chester (Sealand)	11·6	+6	-	0	C	56	75	49	7	8	-	-	9+	9+	2500
8	Manchester ...	11·8	+2	SSW	3	c/pr	54	85	49	6	2	6	-	4-6	9	2500
10	Spurn Head ...	12·4	−4	SSW	3	2o	57	85	50	6	7	3	-	2-3	2-3	4000
	Catterick (Sc)...	12·0	+2	-	0	f+	45	97	48	3	-	-	-	10	10	(150
	Tynemouth ...	12·8	+2	SW	2	r&r	51	85	47	4	-	5	-	10	10	2200
11	St. Abbs Head	10·6	+4	N	1	c-bc	50	85	43	7	5	6	-	4-6	7-8	3500
	Leuchars ...	10·5	+4	SW	3	2o	53	85	38	6	1	4	-	1	2-3	2000
12	Renfrew (Abbotsl.)	11·0	+4	SW	3	bc	56	75	47	7	8	4	-	4-6	4-6	2000
	Eskdalemuir ...	10·9	0	S'W	3	bc	50	85	47	6	7	-	4	4-6	4-6	1100
	Point of Ayre...	11·3	+4	-	0	c-bc	55	75	48	8	8	3	-	4-6	7-8	2000
13A	Tiree	10·6	+4	WSW	1	bc	54	75	46	9	2	3	1	4-6	4-6	2500
13B	Stornoway ...	09·2	+2	S	2	bc	53	75	46	8	7	3	9	2-3	4-6	2200
15	Dalwhinnie ...	10·5	+4	SSW	1	bc	48	75	41	8	5	-	-	4-6	4-6	2500
	Aberdeen ...	10·3	+8	E	1	C	50	85	46	7	8	4	-	9	9+	2500
	Wick ...	09·9	+6	-	0	C	51	85	47	8	7	3	-	7-8	9	5000
16	Sumburgh ...	08·7	+6	ENE	2	c-bc	49	75	41	8	5	3	4	2-3	7-8	4000
17	Blacksod Point	12·8	+4	WNW	2	C	54	85	50	8	8	-	-	9+	9+	1500
18	Malin Head ...	10·7	+4	S	1	c-bc	52	75	44	8	7	-	-	7-8	7-8	2500
	Aldergrove ...	12·2	+2	-	0	bf	46	92	44	3	-	-	-	0	0	-
19	Birr Castle ...	12·4	+2	NSW	1	C	55	75	47	8	5	-	-	9	9	2500
20	Valentia Obsy.	14·3	+6	NW	2	c-bc	54	85	50	8	8	3	4	2-3	7-8	2300
	Roches Point	13·0	+6	N	2	bc	55	85	50	8	1	4	-	2-3	4-6	4000

OBSERVATIONS at 18h. G.M.T. 24th October

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)	14·3	+6	SSE	1	2o	51	85	46	5	5	3	1	4-6	7-8	2500	1	*
	Croydon ...	15·3	+6	SSW	2	m	52	85	49	4	8	7	6	2-3	9	4000	1	*
	S. Farnborough	14·4	+4	SSW	2	bc	52	85	49	7	5	4	8	2-3	4-6	3500	0	*
	Boscombe Down	14·3	+6	S	2	bc	51	85	47	7	4	4	-	2-3	4-6	3000	0	*
	Thorney Island	14·4	+4	S'W	1	fg	53	92	51	8	4	-	4	1	4-6	4000	1	*
	Lympne ...	15·1	+2	—	0	C	50	92	48	8	-	-	7	0	10	-	1	§1
	Manston ...	14·6	+2	SE'S	2	c-bc	53	85	47	8	2	-	6	1	7-8	3000	1	*
2	Shoeburyness ...	15·2	+2	S'E	2	C	54	85	51	7	2	4	2	2-3	9	4000	1	*
	Felixstowe ...	14·2	+20	S	3	C	55	85	51	7	1	-	7	Tr	9	2500	0	2
	Gorleston ...	14·4	+6	SSW	2	bc	53	85	49	7	5	-	-	4-6	4-6	2500	1	3
	Mildenhall ...	13·7	+6	SSE	2	m	53	85	50	4	4	4	8	1	4-6	4000	0	*
	Cranwell ...	13·3	+4	SW	1	2o	46	92	44	6	8	3		4-6	9	2500	1	*
3	Birmingham ...	14·0	+12	—	0	m	50	92	48	4	8	-	-	7-8	7-8	1500	1	*
	Upper Heyford	13·6	+10	SW'W	1	C	52	85	47	8	4	6	2	4-6	9+	3500	1	*
4	Ross-on-Wye	13·4	+8	SSW	1	bc	51	85	47	7	8	-	1	4-6	4-6	3000	1	*
5	Hartland Point	13·2	+10	W	3	b-bc	54	92	51	8	2	4	-	2-3	2-3	2000	1	3
	Bristol ...	13·8	+6	SW	1	2o	53	75	47	6	2	6	-	4-6	10	4000	1	*
	Portland Bill ...	13·8	+6	SW	3	c-bc	57	85	53	8	2	-	-	7-8	7-8	4000	1	4
	Plymouth ...	13·5	+6	—	0	2o	53	92	51	6	-	4	-	0	1	-	1	1
	The Lizard ...	13·4	+4	—	0	bc	55	92	52	8	2	6	-	2-3	4-6	3000	0	3
	Scilly (St. Mary's)	13·5	+10	WSW	1	b-bc	54	85	50	8	4	-	-	2-3	2-3	1500	1	2
	Guernsey ...																	
6	Pembroke ...	13·4	+6	NW	1	C	54	92	52	8	2	7	-	7-8	9	2500	0	1
7	Holyhead (Valley)	12·6	+10	WNW	1	c-bc	50	92	48	8	4	3	4	1	7-8	2000	1	1
	Chester (Sealand)	13·4	+16	—	0	pr	51	85	48	6	8	3	-	7-8	9+	2500	1	*
8	Manchester ...	13·2	+12	S'W	2	2o	48	92	46	6	4	6	-	4-6	7-8	3000	1	*
10	Spurn Head ...	12·8	+4	SW'S	3	2o	53	85	50	6	7	3	-	4-6	9	2500	0	3
	Catterick (Sc)...	12·8	+12	S	1	c-bc f	44	97	44	2	5	3	-	4-6	7-8	1500	1	*
	Tynemouth ...	12·6	+12	SW	2	m	50	85	46	4	5	-	-	7-8	7-8	2200	1	2
11	St. Abbs Head	11·2	+6	SSW	3	bc	47	92	44	6	5	-	-	4-6	4-6	2500	0	2
	Leuchars ...	11·5	+12	W	1	2o	47	92	45	6	4	4	-	2-3	4-6	2500	1	*
12	Renfrew (Abbotsl.)	11·6	+10	W'S	1	b-bc	46	92	43	8	8	4	-	2-3	2-3	2500	1	*
	Eskdalemuir ...	12·6	+12	—	0	C	43	97	42	6	5	3	-	9+	9+	1100	1	*
	Point of Ayre...	12·5	+6	—	0	b	48	85	44	8	2	-	-	Tr	Tr	3000	0	0
13A	Tiree	11·7	+6	WSW	1	c-bc	47	97	47	9	8	3	-	4-5	7-8	3000	0	0
13B	Stornoway ...	09·5	+4	—	0	C	50	85	45	8	4	-	-	9	9	3000	0	1
15	Dalwhinnie ...	11·3	+6	—	0	c-bc	44	85	39	8	5	4	-	4-6	7-8	2500	0	
	Aberdeen ...	11·5	+12	NW	1	m	46	97	44	4	5	3	-	4-6	4-6	4000	1	1
	Wick ...	10·6	+6	—	0	C	48	92	46	9	5	7	-	7-8	9+	5500	0	*
16	Sumburgh ...	10·9	+12	ENE	2	C	48	75	40	8	5	-	6	7-8	9+	4000	0	1
17	Blacksod Point	13·3	+6	W'N	1	c-bc	49	85	45	8	5	-	-	7-8	7-8	1500	1	2
18	Malin Head ...	11·3	+6	SSW	2	PR	50	75	42	8	8	-	-	9	9	2500	1	2
	Aldergrove ...	12·7	+6	—	0	c-bc	45	92	43	7	5	3	2	2-3	7-8	4000	1	*
19	Birr Castle ...	12·8	+4	NSW	1	c-bc	50	85	46	8	8	-	-	7-8	7-8	1500	1	*
20	Valentia Obsy.	15·0	+8	—	0	c-bc	50	85	46	8	2	3	1	4-6	7-8	1500	1	0
	Roches Point	14·1	+10	NNW	1	c-bc	53	85	49	8	5	3	5	2-3	7-8	1500	1	3

PAST 24 HOURS.

Weather. 7h.—13h. 24th (39)	13h.—18h. 24th (40)	18h. 24th to 1h. 25th (41)	1h.—7h. 25th (42)
Feb, cw	ccmow	cbcbmfw	bfor
bjp	cc2ocm	cmbfbcfw	bcfw, fc
bcc pR	cpRbc	bcmobmo	fmifbcfwf
bc, pro c	cbccbc	bmofgmfg	bf bc, cf
cproc	cbc	mobc	bcfow
bcjpc	c	bmow	bcmow
c	cbc	bcdow	bbcfe
bcwmoc	c	c	Fe
bfcmbc	c	bmo	bmobfcf
bcc	cbc	bfw	c2
b2obc	bcc2obcm	bmobfbmbmbfo	
bcmocmo	tlmocmo	bcmo	cf
bc	cpr	cmbF	bFe
bcmobc	bccbc	bcmo	bmoff
bcbbcfbbcbbc		ffebdbmwbffebcw	
bcc pro	bc	bcbbc	cbcw
bc	cprobcmo	cmowbmow	bfF
c	c	co	c
cmocbc	bcbcmo	bmow	bfw
bc	bc	bcw	bcbc
bcbbcbc		bcb	bbccwbc
ciro	c	bcw	bcw
cpro	cpro c	bfgw	bcbbcw
cro ro pro	2obcmo	cpfobmbc	cmbcf
cmo pro	pro	bcmolfo	oFF
bc 2o	cmo	cmo	f
cro ro fof	cfbcf	Fbf	bFfbcf
bcororo	bfrocm	cbcm	bbcmff
bc	bcdbmo	bcmobmo	bbmobc
oFbcmo	bcmo	bmocbmocmwcm	
cvbcmo	bc	bcwbmxc	cmcf
ofcbc	bcc	c	ofdcf
c	b	bw	b
bc	bbc	bcw	bwcfro
bcjfbc	bccproc	cbcc	bcc
cbc	bc		cpro
c	cbcw	bcmwbx	bxmo
cbc	c	cbc	bbccw
cproc	c	cbc	bccpro
c	bc	bc	r
b	pr	pr	b
bfmobf	bfmobbc	bcbmo	bmbwbmo
c	c	.	bc
bc	c	bc	pr
c	bc	bc	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 25th October

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

Light northerly breeze. Mainly fine apart from the chance of some rain in Kent and Suffolk later; some fog night and morning; rather cold in foggy areas: rather mild by day elsewhere.

Calm to light variable breeze. Mainly fine especially near the West and South coasts; fairly general fog night and morning, persistent locally near towns; cold in foggy areas: rather mild by day elsewhere.

Light southwest wind, freshening. Fine to-day apart from some fog in industrial areas; becoming cloudy with some light rain or drizzle to-morrow: rather cold.

Light variable breeze, finally freshening from southwest; rather persistent fog; brighter intervals locally: mainly cold.

Freshening southwest winds, becoming strong locally on the Northwest coast. Fair at first in the East; cloudy conditions with some rain or drizzle spreading from the west: becoming milder.

16 Orkneys and Shetlands	As 11-15
17 N. W. Ireland	Freshening southwest winds. Cloudy; occasional rain or drizzle: milder.
18 N. E. Ireland	
19 S. E. Ireland	Wind becoming southwest, freshening; fair to-day; cloud increasing, some rain or drizzle later: becoming milder.
20 S. W. Ireland	As 17-18

GENERAL INFERENCE

A ridge of relatively high pressure extends from the Azores anticyclone across England and Wales, whilst a complex low pressure system on the Northeast Atlantic will continue to spread eastwards. Cloudy conditions with some rain will spread northeast across Ireland and Scotland with milder weather. Elsewhere it will be fine or fair apart from fog. Ground frost will occur at night

FURTHER OUTLOOK

None issued.

Forecasts issued at 1030

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

7h. Monday 25th October 1943.

10° 5°W. 0° 5°E 10°

60° 55° 50°

1002 1004 1006 1008 1010 1012 1014

LOW

LOW

HIGH

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

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 In.

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

P.: 523/4556. Wt. 6091. D. 1545. Gp. 946/2. 7440. 10/43.

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, 25th October

1943.

Chart'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 25th October 1943 — No. 29922

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	43	*	*	*	*	*	*	*	*	*
	Croydon ...	290	15·6	−2	S	1	bcf-	45	97	44	3	-	7	-	0	4-6	-
	S. Farnborough	226	15·1	+2	-	0	if	39	97	38	4	5	3	-	2-3	2-3	3000
	Boscombe Down	417	15·1	+2	-	0	m	45	97	45	4	4	-	-	4-6	4-6	4000
	Thorney Island	10	14·7	−2	-	0	bc	43	97	43	7	-	3	-	0	2-3	-
	Lympne ...	283	14·9	−2	NNE	2	2o	46	92	44	6	-	-	-	0	0	-
	Manston ...	154	14·7	−2	-	0	2o	45	92	43	6	-	-	8	0	2-3	-
2	Shoeburyness ...	11	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	14·7	0	-	0	2o	48	97	47	6	-	-	-	0	0	-
	Gorleston ...	5	14·0	−4	W'N	2	b	49	85	45	7	-	-	-	0	0	-
	Mildenhall ...	15	14·4	−10	SSW	2	m	43	97	43	4	-	-	-	0	0	-
	Cranwell ...	203	14·3	+2	W	1	2o	45	97	45	5	-	-	-	0	0	-
3	Birmingham ...	535	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	14·3	+2	-	0	2o	44	97	43	5	-	4	-	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·2	0	SW	1	b-bc	55	92	53	8	2	-	-	2-3	2-3	2500
	Bristol ...	209	14·3	+2	-	0	2o	44	97	43	6	-	-	-	0	0	-
	Portland Bill ...	32	13·7	−2	SW	1	0	55	85	51	7	5	-	-	10	10	2500
	Plymouth ...	86	14·8	0	-	0	2o	45	97	45	6	-	-	-	0	0	-
	The Lizard ...	240	14·2	0	N	2	b-bc	49	97	48	7	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	14·8	+2	-	0	b	51	97	51	8	2	-	-	1	1	1500
	Guernsey ...	175															
6	Pembroke ...	142	14·6	+4	ENE	2	b-bc	48	97	48	8	2	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	14·1	0	ESE	1	b-bcf$_g$	42	97	41	8	8	4	-	2-3	2-3	4000
	Chester (Sealand)	16	14·1	+2	-	0	2o	43	92	42	5	5	7	1	7-8	9	3000
8	Manchester ...	230	14·2	−2	-	0	F+	44	97	44	2	-	-	-	10	10	<150
10	Spurn Head ...	29	14·0	+2	NW'N	2	2o	49	92	48	6	-	-	-	0	0	-
	Catterick (Sc)...	192	14·7	+10	-	0	bf-	36	97	36	2	-	-	-	0	0	-
	Tynemouth ...	108	13·8	+4	W	3	2o	43	32	41	6	2	3	-	2-3	2-3	2500
11	St. Abbs Head	280	12·1	+2	WNW	1	b	48	75	39	7	5	-	-	1	1	4000
	Leuchars ...	36	12·4	−6	W	1	2o	40	97	39	6	5	-	-	Tr	Tr	3000
12	Renfrew (Abbots I.)	19	12·7	−6	-	0	2o	41	97	41	5	5	-	-	10	10	4700
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	13·4	0	WSW	2	b	41	97	40	8	2	-	-	Tr	Tr	3000
13A	Tiree	44	11·5	−4	-	0	bc	46	92	44	9	2	3	-	2-3	4-6	2500
13B	Stornoway ...	12	09·2	−4	SSW	3	c-bc	48	85	44	7	5	4	-	7-8	7-8	2200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	12·0	−2	-	0	bf	33	92	31	2	-	-	-	0	0	-
	Wick ...	114	11·0	−4	-	0	b	44	97	44	8	5	-	-	Tr	Tr	4000
16	Sumburgh ..	19	11·5	−2	E'S	3	c-bc	47	85	43	8	5	3	-	4-6	7-8	3000
17	Blacksod Point	18	12·8	−10	-	0	b-bc	50	85	46	8	8	-	-	2-3	2-3	2500
18	Malin Head ...	84	11·8	−4	S'E	1	b-bc	44	92	42	8	8	-	-	2-3	2-3	2500
	Aldergrove ...	268	14·0	+2	-	0	2o	41	92	40	6	5	-	-	Tr	Tr	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15·2	−4	ENE	2	b-bc	42	97	41	8	5	-	3	2-3	2-3	2500
	Roches Point	22	15·4	0	N'W	3	bc	48	85	44	8	5	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 25th October

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	°F. Dew Point. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	14·7	+8	-	0	F	45	97	42	1	-	-	-	10	10	<150	1	*
	Croydon ...	15·8	+6	-	0	F	44	97	44	1	-	-	-	10	10	<150	1	*
	S. Farnborough	15·1	+10	-	0	f-	40	97	40	2	-	-	-	10	10	<150	1	*
	Boscombe Down	15·4	+6	-	0	F	37	97	37	1	-	-	-	10	10	<150	0	*
	Thorney Island	14·5	+2	NNW	1	c-bcf$_g$	45	92	42	7	-	7	3	0	7-8	-	1	*
	Lympne ...	14·6	+8	NNE	2	bcf+g	45	97	45	1	-	2	1	0	4-6	-	1	*
	Manston ...	14·5	+2	-	0	bcf+	43	97	43	2	5	-	-	4-6	4-6	2500	1	*
2	Shoeburyness ...	15·2	+8	-	0	oF-	41	97	40	1	-	-	-	10	10	<150	1	*
	Felixstowe ...	14·7	+6	NNW	1	cbcf-	44	97	44	1	-	3	-	0	7-8	-	1	*
	Gorleston ...	14·7	+6	NNW	2	2o	42	97	42	7	5	-	-	9+	9+	2000	1	2
	Mildenhall ...	14·9	+8	-	0	F	40	97	40	0	-	-	-	10	10	<150	1	*
	Cranwell ...	15·0	+10	NW	2	c-bcf-	44	97	44	3	-	3	-	0	7-8	-	1	*
3	Birmingham ...	15·4	+6	-	0	F	42	97	41	1	-	-	-	0	0	-	1	*
	Upper Heyford	15·1	+6	-	0	bf+	36	97	36	1	-	7	-	0	4-6	-	1	*
4	Ross-on-Wye	15·5	+6	WSW	1	F+	36	97	35	1	-	-	-	10	10	<150	1	*
5	Hartland Point	14·2	+4	SE	1	bc	48	97	48	8	2	4	-	2-3	4-6	2000	1	3
	Bristol ...	15·3	+10	-	0	F	41	97	41	1	-	-	-	10	10	<150	1	*
	Portland Bill ...	13·8	−6	N	2	c-bc	50	85	46	8	2	-	-	7-8	7-8	4000	1	3
	Plymouth ...	14·9	+4	E	1	bbcf-	39	97	39	3	-	3	-	0	2-3	-	0	1
	The Lizard ...	13·9	0	NNE	2	bc	48	97	48	7	2	3	-	4-6	4-6	2000	0	3
	Scilly (St. Mary's)	14·7	+2	NNW	2	b-bc	49	92	47	8	2	4	-	2-3	2-3	1500	1	2
	Guernsey ...																	
6	Pembroke ...	14·5	0	NEE	1	b-bc	46	97	46	8	1	4	-	2-3	2-3	2500	1	2
7	Holyhead (Valley)	14·5	+4	SSW	2	b-bc	49	85	43	9	2	6	-	Tr	2-3	2500	1	2
	Chester (Sealand)	14·7	+4	-	0	bbcf	37	92	35	3	-	3	-	0	2-3	-	0	*
8	Manchester ...	15·1	+8	-	0	F+	43	97	43	1	-	-	-	10	10	<150	1	*
10	Spurn Head ...	14·7	+4	NW	2	F+	46	97	46	0	-	-	-	10	10	<150	1	2
	Catterick (Sc)...	15·0	+4	W	1	cbcf	33	97	33	5	-	3	-	0	7-8	-	1	*
	Tynemouth ...	15·3	+4	WSW	3	f	40	92	38	3	-	2	-	0	2-3	-	1	2
11	St. Abbs Head	13·0	+8	SW	2	bc	45	92	43	7	4	4	-	2-3	4-6	3500	0	2
	Leuchars ...	13·0	+6	SW	1	2o	41	97	41	5	5	7	-	7-8	10	6000	1	*
12	Renfrew (Abbots I.)	12·7	+2	-	0	bf+	43	97	43	3	5	-	-	10	10	1000	1	*
	Eskdalemuir ...	13·9	+2	-	0	bf	41	97	41	2	5	-	-	10	10	<150	1	*
	Point of Ayre...	13·4	+4	WS	2	bbc	43	92	41	8	2	7	1	1	2-3	2500	0	1
13A	Tiree	10·4	−6	WSW	2	PR	49	85	46	8	8	-	-	7-8	7-8	2500	1	1
13B	Stornoway ...	07·9	−2	SSW	3	c	45	92	43	8	8	4	2	4-6	9	2000	0	2
15	Dalwhinnie ...	11·3	−2	S	3	c	43	85	39	7	5	-	-	9	9	1500	1	*
	Aberdeen † ...	12·2	+6	WSW	1	2o	34	97	33	6	-	4	4	0	2-3	-	1	1
	Wick ...	10·5	0	SSW	1	cbc	44	97	42	8	5	7	2	1	7-8	2000	1	*
16	Sumburgh ..	10·8	−2	SE	3	c	49	92	47	8	2	3	8	7-8	9+	1500	1	1
17	Blacksod Point	11·0	−10	SW'S	3	1r$_o$	52	85	48	8	6	-	-	9+	9+	1500	1	3
18	Malin Head ...	10·7	−2	S'W	2	c	44	85	40	8	5	5	-	4-6	9	2500	1	1
	Aldergrove ...	13·7	+2	-	0	2o	39	97	38	6	5	4	-	Tr	2-3	2500	1	*
19	Birr Castle ...	13·3	0	S	1	bc	41	97	40	8	5	-	-	4-6	4-6	2500	1	*
20	Valentia Obsy.	14·5	0	S'E	3	c	47	92	45	8	5	7	-	7-8	9+	2200	1	2
	Roches Point	15·1	+2	N	1	bbc	42	97	41	8	-	3	-	0	2-3	-	1	3

PAST 24 HOURS.

District	Stations	Temperatures. Max. Day 7h–18h °F. (33)	Temperatures. 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)
1	London (Kew)	56	41	31	-	Tr	4·0
	Croydon ...	60	42	37	-	-	6·1
	S. Farnborough	61	40	31	2	Tr	5·4
	Boscombe Down	60	36	36	0·1	Tr	5·7
	Thorney Island	62	42	39	3	-	*
	Lympne ...	59	44	36	Tr	6·1	3·5
	Manston ...	58	41	39	-	-	1·5
2	Shoeburyness ...	59	39	35	-	Tr	4·6
	Felixstowe ...	60	41	36	Tr	Tr	3·7
	Gorleston ...	60	42	37	-	-	7·0
	Mildenhall ...	61	37	39	-	-	5·8
	Cranwell ...	59	40		1	-	4·1
3	Birmingham ...	57	42	27	2	Tr	5·1
	Upper Heyford	59	36	33	-	-	*
4	Ross-on-Wye	58	35	32	Tr	0·1	6·3
5	Hartland Point	57	47	42	Tr	Tr	8·1
	Bristol ...	60	39	28	Tr	Tr	4·9
	Portland Bill ...	59	47		-	-	*
	Plymouth ...	59	38	30	5	-	5·9
	The Lizard ...	60	48	*	-	-	9·4
	Scilly (St. Mary's)	62	49	*	Tr	*	8·5
	Guernsey ...						
6	Pembroke ...	59	44		4	Tr	7·3
7	Holyhead (Valley)	55	38	31	1	-	*
	Chester (Sealand)	57	36	27	0·4	Tr	2·2
8	Manchester ...	55	43	33	1	-	*
10	Spurn Head ...	57	45		-	-	5·0
	Catterick (Sc)...	49	32	29	1	-	0·7
	Tynemouth ...	52	40	37	0·4	-	*
11	St. Abbs Head	51	44		-	-	
	Leuchars ...	55	37	30	0·1	-	4·9
12	Renfrew (Abbots I.)	56	35	28	-	0·3	4·9
	Eskdalemuir ...	50	38	25	-	Tr	2·4
	Point of Ayre...	55	39	*	-	-	3·3
13A	Tiree	57	44	40	-	2	6·8
13B	Stornoway ...	54	42	36	Tr	Tr	6·8
15	Dalwhinnie ...	52	33	26	-	Tr	3·9
	Aberdeen † ...	52	33	29	0·1	-	1·6
	Wick ...	51	41	31	Tr	-	
16	Sumburgh ..	51	47	42	-	0·2	0·1
17	Blacksod Point	56	42	*	0·5	0·3	*
18	Malin Head ...	54	43		0·3	0·3	5·0
	Aldergrove ...	53	38	29	-	0·1	3·9
19	Birr Castle ...	55	38	32	-	-	5·0
20	Valentia Obsy.	55	40	35	Tr	Tr	2·9
	Roches Point	57	42	*	Tr	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 24th October: IIiC$_L$C$_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: C$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 25th October: C$_L$C$_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: C$_L$C$_M$	wwVhN$_h$	DDFWN
109	83	02864	23225	53	05664	00025	57	01652	00013	27	05653	16114
115	83	02844	20226	34	02954	20244	54	01963	20223	54	02964	20324
203												
206	57	02865	24366	40	05661	00011	50	01761	00011	5-	02865	24217
210	57	02865	22267	54	04862	20124	03	01890	14112	53	02863	13205
219	83	02974	20115	86	02964	18215				23	02863	14315
230	26	01964	08114	04	25862	00083				3-	01854	00084
245	24	01964	22104	44	01862	26102	50	05661	23101	03	01890	00015
260	86	08444	20328	43	08463	22143	00	08450	24210	53	05655	04216
276												
279	83	05665	12126	43	05553	18113	00	47190	00040	50	08453	12143
285	27	81744	28387							53	05654	26215
288	8-	46209	22143	5-	45266	20156	00	47190	20240	00	47090	21140
575	8-	02885	00045	53	02864	00025	40	05663	00013	--	48209	12149
301	53	05663	22165	5-	05567	00027	5-	67158	08148	--	48109	08149
321	74	05664	17345	46	25464	20185	00	47390	00040	--	48009	00049
299	53	05654	22216				50	01651	24101	43	01753	24214
292	57	45335	00047	5-	47267	00047	00	45090	00040	04	43390	00043
310										10	04623	24313
614	13	05552	20213	46	08464	26124	5-	47268	00028	00	43390	31140

	13h. G.M.T. 24th October: IIiC$_L$C$_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: C$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 25th October: C$_L$C$_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: C$_L$C$_M$	wwVhN$_h$	DDFWN
333	26	02844	22126	82	02754	00027	50	01762	00012	27	25862	26186
334										--	04249	00028
340	86	02855	18267	4-	04757	31287	5-	45363	00013	03	47190	00043
136	20	02855	18215	96	05655	18187	04	05590	00013	03	49190	00046
336										--	46109	24249
350	20	02755	18225	26	02754	14126	50	04461	16111	03	45190	00043
368	20	01864	25215	44	01853	28113	50	01652	28112	52	05554	30128
379	2-	01844	20314	07	01890	20212	07	05690	18213	07	47290	02103
390	20	08464	16245	47	47271	16145	00	47190	00040	03	43290	00045
382	26	01854	19324	86	01764	00014	50	47272	00012	--	44109	00049
438	17	02863	20215							--	44109	00049
430	2-	02854	18216	46	05663	32126	50	02763	32125	07	49790	00026
409	36	25854	25284	20	01853	30113	20	01752	00012	23	04752	00013

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 October

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 ...	Fe6,cW	ccmo	bmfw,fe	Kew 24 hours ended 7h. Max. 19th 24th
Croydon ...	bjp	c2ocmo	bfeqwfe	
Greenwich ...	bc⊕	c⊕cbmo	bcWFfe	
Camden Square ...	0	c	*	
Kensington ...	bcc	cfeofe	*	
Hampstead ...	bcp	ofbc	bc	Min. <0·1 13th 24th

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 ...	56	41	31	-	Tr	4·0	*	*
Croydon ...	60	42	37	-	-	6·1	*	*
Greenwich ...	61	41	31	-	Tr	6·4	64	93
Westminster ...	60	43	37	0·1			71	96
Regents Park ...	60	43	32	-	-		69	96
Camden Square ...	59	43	34	-	-	*	*	97
Kensington ...	61	44	33	Tr	Tr		88	98
Hampstead ...	59	43	37	Tr	-		*	95

SECRET

Page 1 BRITISH SECTION

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

Tuesday 26th October 1943

No 29923

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

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)	13.7	-16	N'W	2	zo	57	75	47	5	1	–	8	Tr	7-8	2500
	Croydon	14.7	-14	NW	1	f+	50	92	47	2	–	–	–	10	10	<150
	S. Farnborough	13.9	-18	NW	3	zo	56	85	50	6	–	–	4	0	4-6	–
	Boscombe Down	14.6	-10	–	0	c-bc	58	85	51	7	2	–	–	7-8	7-8	2500
	Thorney Island	13.0	-20	N'E	2	c-bc	59	65	46	8	1	4	6	1	7-8	4000
	Lympne	13.9	-10	N	3	m	53	92	51	4	5	–	–	Tr	10	2000
	Manston	13.6	-12	NNE	2	zo	57	75	48	6	2	–	7	4-6	10	2000
2	Shoeburyness	14.6	-20	N	1	zo	59	75	49	6	2	7	2	2-3	9	4000
	Felixstowe	12.8	-20	NE	3	zo	58	75	50	6	1	7	–	2-3	4-6	2500
	Gorleston	14.9	-2	NNE	2	bc	56	85	50	7	2	–	2	2-3	4-6	3000
	Mildenhall	14.6	-10	N	1	m	51	92	49	4	–	3	2	0	4-6	–
	Cranwell	15.2	-4	–	0	m	54	75	47	4	5	3	–	4-6	7-8	4000
3	Birmingham	15.4	0	S	1	F	49	85	45	1	–	–	–	10	10	<150
	Upper Heyford	14.7	-10	E	1	m	55	75	47	4	1	–	1	2-3	4-6	2500
4	Ross-on-Wye	14.8	-12	W	1	zo	51	85	47	6	1	–	1	Tr	1	3000
5	Hartland Point	14.6	-4	–	0	b-bc	54	85	50	8	2	–	–	2-3	2-3	3000
	Bristol	14.8	-8	NNE	1	zo	56	85	49	5	1	–	2	4-6	7-8	2500
	Portland Bill	14.1	-6	NE	2	c-bc	57	85	51	8	2	–	–	7-8	7-8	4000
	Plymouth	14.7	-8	NNW	3	bc	58	75	48	8	2	3	–	4-6	4-6	3000
	The Lizard	14.8	0	–	0	bc/pr	56	85	50	8	2	6	–	4-6	4-6	1500
	Scilly (St. Mary's)	15.7	0	N	2	bc	58	75	49	8	1	–	–	4-6	4-6	1500
	Guernsey															
6	Pembroke	15.2	-4	S'W	1	b-bc	56	65	46	8	2	4	–	2-3	2-3	2500
7	Holyhead (Valley)	14.8	-2	S'W	3	bc	57	66	47	9	1	3	–	2-3	4-6	3000
	Chester (Sealand)	14.8	-6	S	2	zo	58	55	42	6	2	–	–	1	1	3000
8	Manchester	14.8	-10	–	0	b-bc	57	65	46	7	2	–	–	2-3	2-3	4000
10	Spurn Head	15.5	+2	NW	2	m	49	85	46	4	2	3	–	2-3	4-6	2500
	Catterick (Sc)	14.3	-8	SSE	1	b-bc	55	75	48	7	2	–	–	2-3	2-3	2000
	Tynemouth	15.3	-6	SSW	3	b-bc	52	75	44	7	2	–	–	2-3	2-3	2500
11	St. Abbs Head	12.7	-2	SW	4	bc	51	75	44	7	2	3	–	2-3	4-6	3500
	Leuchars	12.4	-6	SSW	4	zo	53	75	46	6	7	3	2	4-6	4-6	2000
12	Renfrew (Abbots I.)	12.0	-10	S'W	4	c-bc	52	75	45	8	8	–	6	7-8	7-8	2000
	Eskdalemuir	13.4	-2	S'E	2	c	48	85	44	6	5	–	–	9	9	1100
	Point of Ayre	13.5	-4	W'N	3	b-bc	58	65	46	8	2	–	8	1	2-3	3000
13A	Tiree	08.9	-8	S'W	4	roro	51	85	47	7	5	2	–	7-8	10	1500
13B	Stornoway	05.2	-14	SSW	7	iro	51	85	47	7	5	2	–	9	10	1500
15	Dalwhinnie	10.0	-6	S	3	c	47	75	39	7	5	1	–	7-8	10	2500
	Aberdeen	11.9	+2	SSW	3	bc	51	75	45	7	5	4	6	Tr	4-6	1500
	Wick	10.0	-6	SSW	2	c-bc	50	85	45	9	8	7	6	1	7-8	2500
16	Sumburgh	10.0	-2	SSE	3	bc	52	75	45	8	2	5	4	2-3	4-6	2000
17	Blacksod Point	08.8	-14	SW'S	5	c	54	75	47	7	5	–	–	10	10	1500
18	Malin Head	09.1	-10	SSW	3	c-bc	52	85	48	8	2	–	4	4-6	7-8	2500
	Aldergrove	12.2	-14	S'W	2	bc	53	75	45	7	7	–	8	4-6	4-6	1500
19	Birr Castle	12.3	-10	S	2	bc	57	65	46	8	5	–	–	4-6	4-6	2500
20	Valentia Obsy.	13.0	-10	SW'S	5	c	55	75	48	8	2	7	6	4-6	9+	2300
	Roches Point	14.2	-12	S	2	bc	56	85	52	8	2	r	1	4-6	4-6	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	14.3	+6	NNE	2	m	53	85	47	4	S	–	–	7-8	7-8	2500	1	•
Croydon	15.2	+8	–	0	cF+	47	92	46	1	–	3	2	0	9	–	0	•
S. Farnborough	14.5	+6	–	0	m	49	92	47	4	5	–	7	4-6	9+	1000	0	•
Boscombe Down	14.9	+4	N	2	c-bc	50	85	46	6	4	7	8	2-3	7-8	3000	0	•
Thorney Island	14.1	+6	N	3	zo	49	92	47	6	–	–	–	0	0	–	1	•
Lympne	13.5	+8	NNE	3	zo	50	92	48	6	–	7	–	0	7-8	–	0	3
Manston	13.4	0	NNE	3	c	53	75	47	7	1	–	7	1	10	2200	1	•
Shoeburyness	14.9	+4	NNE	2	c	51	92	49	6	1	7	6	1	9	4000	1	•
Felixstowe	14.0	+4	N	2	zo	53	85	50	6	–	–	5	0	7-8	–	0	2
Gorleston	14.5	0	NNE	2	zo	54	92	52	6	2	4	–	2-3	4-6	2500	0	2
Mildenhall	14.7	+6	NW'W	1	bcfg	47	97	46	4	–	4	2	0	4-6	–	0	•
Cranwell	15.3	-10	N	1	b-bcf+	41	97	41	3	4	–	–	2-3	2-3	3000	1	•
Birmingham	15.1	+2	–	0	F	47	85	43	1	S	–	–	10	10	450	1	•
Upper Heyford	15.0	+6	N	1	m	47	92	44	4	–	–	2	0	2-3	–	0	•
Ross-on-Wye	14.8	+4	NNE	1	fg	47	85	42	6	S	–	–	Tr	Tr	3000	1	•
Hartland Point	14.6	0	W	1	b-bc	53	85	49	8	1	4	–	1	2-3	–	1	4
Bristol	15.2	+8	–	0	bF+	47	85	43	3	–	4	–	0	Tr	–	1	•
Portland Bill	14.0	+2	NE	2	c-bc	56	85	52	8	5	–	–	7-8	7-8	4000	1	3
Plymouth	15.0	+6	NNW	1	zo	53	75	46	5	4	4	5	Tr	1	2500	0	2
The Lizard	14.7	+2	–	0	bc	50	92	47	8	2	3	–	2-3	4-6	2500	0	3
Scilly (St. Mary's)	15.5	+2	W'N	2	bc	54	75	48	8	1	4	2	2-3	4-6	1500	1	2
Guernsey																	
Pembroke	14.6	-2	W	3	b-bc	54	85	48	8	1	4	–	2-3	2-3	2000	0	2
Holyhead (Valley)	14.3	-2	S	3	b-bc	52	85	47	8	2	4	1	2-3	2-3	2000	1	2
Chester (Sealand)	14.5	+2	–	0	zo	47	85	42	6	1	–	1	1	2-3	3000	0	•
Manchester	14.9	+6	S	2	m	48	75	41	4	–	4	1	0	Tr	–	1	•
Spurn Head	15.2	+6	E	1	zo	50	92	48	5	5	3	–	4-6	7-8	2500	1	1
Catterick (Sc)	14.6	+8	SSE	1	bfg	40	97	40	5	–	–	–	0	0	–	0	•
Tynemouth	14.8	+2	SSW	2	m	50	85	44	4	2	3	–	2-3	2-3	2500	1	2
St. Abbs Head	12.1	+2	SE	2	zo	57	55	42	6	4	–	–	2-3	2-3	3500	0	3
Leuchars	11.6	-2	SSW	3	c-bc	48	92	46	6	4	–	6	2-3	7-8	3000	1	•
Renfrew (Abbots I.)	11.2	0	S	3	c	49	85	44	6	–	7	6	0	9	–	1	•
Eskdalemuir	13.0	0	S	2	bc	45	92	43	7	8	4	–	4-6	4-6	1500	1	•
Point of Ayre	13.0	-2	SW'W	3	b	48	85	44	8	2	–	8	1	1	2500	0	2
Tiree	06.7	-10	S	5	roro	52	85	49	8	5	2	–	4-6	10	700	1	4
Stornoway	02.9	-10	S	7	roro	51	92	49	7	5	2	–	9	10	1000	1	5
Dalwhinnie	08.0	-6	SSW	3	c	46	85	41	7	5	2	–	9	10	2500	0	•
Aberdeen	11.2	-6	S	3	m	49	85	45	4	5	7	–	4-6	4-6	2500	1	2
Wick	08.3	-8	S	3	c	51	75	44	8	5	7	8	2-3	10	4000	1	•
Sumburgh	08.6	-10	SSE	3	b-bc	50	85	45	8	2	3	–	Tr	2-3	1500	0	1
Blacksod Point	06.2	-14	SW'S	6	dr	53	92	51	7	6	2	–	4-6	10	1500	1	4
Malin Head	07.0	-10	SSW	4	iro	51	75	44	8	5	–	–	10	10	2500	1	3
Aldergrove	11.1	-6	SSE	3	c	48	85	44	7	5	7	–	4-6	9+	2700	1	•
Birr Castle	11.2	-4	S	2	c	52	85	48	8	5	2	–	7-8	10	2500	1	•
Valentia Obsy.	11.6	-6	S'W	4	c/pr	53	92	51	8	5	–	–	9+	9+	1500	1	4
Roches Point	13.5	0	SSW	3	c/pr	54	92	52	8	8	–	–	9	9	1500	1	3

PAST 24 HOURS. Weather.

Stations	7h.–13h. 25th (39)	13h.–18h. 25th (40)	18h. 25th to 1h. 26th (41)	1h.–7h. 26th (42)
London (Kew)	ofecmmow	czofcm	cbcbfw	bfoFew
Croydon	oFecf	bcfcf	cfbcfew	bfofebofe
S. Farnborough	offbcmo	b,bcmo	cmofbcfgFe	oFe
Boscombe Down	bFbcm bcc	cbccbc	bmow	bmocbmbcF
Thorney Island	bcfgwbcc	cbccmo	bmwbcmo	bcmowbmow
Lympne	bcFbccm	cmoccmo	cmobcmo	[illegible]
Manston	bcFbfcmoc	c	czomo	[illegible]
Shoeburyness	Febcmcc	czomo	cmo	cmobcm
Felixstowe	bmobczo	cmobcmo	bmbcmow	bcmowcmo
Gorleston	czobc	cbczow	bwzbw	bcc
Mildenhall	oFbfbcm	bcmbc	bmbF	oFw
Cranwell	cm	bcmobcf	bfbF	bFbfbcm
Birmingham	FF	FF	bFf	bfx
Upper Heyford	oFbfbcm	bcmmo	bcmbfF	bFoF
Ross-on-Wye	FFbmo	byb	bmwf	bfx
Hartland Point	bc	bc	bcb	bbcw
Bristol	Febcmo	bczofw	bmwbfw	bfwbmxF
Portland Bill	c	c	bcbc	bcc
Plymouth	bfbmob	bcb	bmow	bmow
The Lizard	probc	prcbc	bcw	bcw
Scilly (St. Mary's)	cbc	bc	bcbw	bbcw
Guernsey				
Pembroke	bc	bc	bc	bcq
Holyhead (Valley)	bbcb	bbc	c	bbc
Chester (Sealand)	bffmozo	bbczoy	bm	bw
Manchester	oFFbm	bbyb	bm	bmom
Spurn Head	bcm	bcm	fe	F
Catterick (Sc)	bcmobc	bcbcmo	bmfoF	oFe
Tynemouth	bcffbc	bcmom	bmmo	bbcm
St. Abbs Head	bcbmobc	bcbmo	bcmobc	bccbc
Leuchars	cmobcmo	bcbcmo	bcmocmo	cmowcmo
Renfrew (Abbots I.)	ofcprocmo	cbcc	cbcmo	bcmocmocirom
Eskdalemuir	odofc	cbc	bcr	bcc
Point of Ayre	b	b	bw	bbcc
Tiree	cprocro	crororoc	crorom	crorom irom
Stornoway	cbccprc	cirocroromo	crorom	crrrorom
Dalwhinnie	co	o		oido
Aberdeen	bczbc	bcczobc	bczbcczo	czo
Wick	bcc	c	cirrciro	crrcrocdo
Sumburgh	cprobc	bccbc	c	cirocro
Blacksod Point	r	r	r	r
Malin Head	r	r	r	r
Aldergrove	bbcmo	bcc	cbc	bcrorirc
Birr Castle	bc	c		r
Valentia Obsy.	r	pr	pr	r
Roches Point	bc	pr	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday, 26th October, 1943

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Light variable winds, becoming south; fair, fog night and morning; rather cold.
5 S.W. England, 6 South Wales, 7 North Wales, 8 N.W. England, 9 N. Midlands, 10 N.E. England, 11 S.E. Scotland	Light or moderate south wind, fresh locally later; cloudy, occasional drizzle later, local fog becoming rather warm.
12 S.W. Scotland & Isle of Man, 13A W. Scotland, 13B N.W. Scotland, 14 Mid Scotland, 15 N.E. Scotland ↓	Moderate or fresh south wind becoming strong to gale locally on coasts; cloudy, occasional rain; rather warm.
16 Orkneys and Shetlands ↓, 17 N.W. Ireland, 18 N.E. Ireland, 19 S.E. Ireland, 20 S.W. Ireland	As 12-15

GENERAL INFERENCE

A ridge of high pressure over the South of the British Isles is moving slowly southeast and depressions are moving northeast off our north west seaboard. Weather will be fair in the South and Midlands apart from fog. In the North and West there will be occasional rain.

FURTHER OUTLOOK

Occasional rain in the North and West; mainly fair in the Southeast.

↓ Gale warning in operation in districts 15 and 16. Issued at 2255 GMT. 25 October 1943.

Forecasts issued at 1030

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

7h. Tuesday 26th October 1943.

LOW

HIGH

1016

1018

1014

1012

1010

1008

1006

1004

1002

1000

998

996

994

992

990

988

986

984

982

10°

5°W.°

0°

5°E

60°

55°

50°

5°W.

0°

5°E

Mb In.

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 { Code figure (one figure) or hundreds of feet (two figures)

Scale 1.: 5,000,000

Ps.523/4556 Wt.6091 D.N545 Gp.948/2 7440 10/43.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Tuesday 26th October

1943.

Clarke 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.

Tuesday 26th October 1943 — No. 29923

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

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	15·5	0	-	0	F-	44	97	44	1	-	-	-	10	10	<150
	S. Farnborough	226	14·9	-2	W'N	1	F+	40	97	40	1	-	-	-	10	10	<150
	Boscombe Down	417	15·3	-2	N'W	3	₂₀	42	97	41	5	-	-	-	0	0	-
	Thorney Island	10	14·4	+2	N'E	2	₂₀	48	97	48	5	-	3	-	0	2-3	-
	Lympne ...	283	13·5	-2	NE'N	3	₂₀	52	92	50	5	-	7	-	0	2-3	-
	Manston ...	154	12·4	+12	NE	2	₂₀	55	85	50	6	5	1	-	4-6	7-8	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	14·0	-6	N	2	₂₀	49	92	47	5	-	7	-	0	2-3	-
	Gorleston ...	5	14·6	0	ENE	3	₆	55	75	48	7	-	-	-	0	0	-
	Mildenhall ...	15	14·9	-2	-	0	F	41	97	41	0	-	-	-	10	10	<150
	Cranwell ...	203	15·1	-2	-	0	bF+	37	97	37	1	-	-	-	10	10	
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15·4	-2	NNW	1	bF	39	97	38	1	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·3	-4	SSW	2	b	48	75	41	8	-	4	-	0	1	-
	Bristol ...	209	15·4	-2	E	1	bf	35	97	34	3	-	-	-	0	0	-
	Portland Bill ...	32	14·6	+1	NE	3	bc	51	85	47	8	5	-	-	4-6	4-6	4000
	Plymouth ...	86	15·3	-1	-	0	₂₀	42	97	41	5	-	-	-	0	0	-
	The Lizard ...	240	14·9	-1	NNE	2	b-bc	48	92	46	7	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	15·1	-6	-	0	b	49	92	48	8	1	-	-	Tr	Tr	1800
	Guernsey ...	175															
6	Pembroke ...	142	14·8	-2	SSW	3	b-bc	54	85	47	8	8	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	12·6	-10	S	5	b-bc	52	85	48	8	5	-	-	2-3	2-3	2500
	Chester (Sealand)	16	14·2	-6	S	1	bf	37	92	36	4	5	-	-	Tr	Tr	4000
8	Manchester ...	230	14·6	-6	SSE	2	m	39	97	37	4	*	-	-	0	0	-
10	Spurn Head ...	29	14·8	+14	NW'N	1	F+	46	97	46	0	-	-	-	10	10	<150
	Catterick (Sc.)...	192	14·6	-4	-	0	F+	34	97	34	1	-	-	-	10	10	<150
	Tynemouth ...	108	14·5	-2	SW	2	₃₀	44	92	42	5	-	-	-	0	0	-
11	St. Abbs Head	280	11·5	-6	ESE	2	bc	43	92	41	7	4	-	-	2-3	4-6	2500
	Leuchars ...	36	09·7	-12	-	0	₂₀	47	92	45	6	5	7	7	4-6	10	4000
12	Renfrew (Abbotsl.)	19	08·5	-18	SSE	2	₂₀	50	85	46	5	-	7	-	0	2-3	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	11·0	-12	SW	3	b	50	85	46	8	4	-	-	Tr	Tr	2000
13A	Tiree	44	02·9	-18	S	4	₆₀	51	85	49	6	6	2	-	7-8	10	500
13B	Stornoway ...	12	28·6	-18	S	8	₆₀	51	92	49	6	5	-	-	10	10	1000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	08·7	-10	SSW	2	c-bc	43	85	38	7	5	7	-	4-6	7-8	2000
	Wick ...	114	04·8	-16	SSW	6	₁₀	50	92	48	7	5	2	-	4-6	10	1000
16	Sumburgh ..	19	05·9	-10	S'E	6	c	51	85	47	7	5	7	-	7-8	10	1000
17	Blacksod Point	18	01·9	-18	S	7	rr	54	97	53	6	-	2	-	10	10	800
18	Malin Head ...	84	02·6	-22	S	6	₆₀	51	85	46	8	5	-	-	10	10	1900
	Aldergrove ...	268	08·1	-20	SSE	4	bc	49	85	45	7	5	-	-	4-6	4-6	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	09·0	-16	S'W	5	ir	54	97	53	6	5	-	-	10	10	900
	Roches Point	22	11·5	-14	SSW	5	rr	54	97	53	7	6	2	-	4-6	10	800

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
London (Kew)	14·8	+10	-	0	F	40	97	39	1	-	-	-	10	10	<150	1	*
Croydon ...	15·5	0	-	0	F	43	97	43	0	-	-	-	10	10	<150	1	*
S. Farnborough	15·2	+10	WNW	1	F+	37	97	37	1	-	-	-	10	10	<150	1	*
Boscombe Down	15·7	+10	N	3	bc F+	34	97	34	0	-	-	2	0	4-6	-	0	*
Thorney Island	14·1	+2	NW'N	2	₂₀	43	97	43	5	-	7	9	0	4-6	-	1	*
Lympne ...	13·8	+10	NNE	3	₆₀	53	92	50	4	5	2	-	4-6	9+	1500	1	3
Manston ...	13·0	+2	NE'N	2	₂₀	55	85	51	6	5	7	-	4-6	9+	3800	1	*
Shoeburyness ...	14·7	+1	N	1	bc m	45	97	45	4	-	7	5	0	4-6	-	1	*
Felixstowe ...	14·1	+8	N	2	₂₀	49	92	47	5	5	7	-	7-8	9+	2300	0	1
Gorleston ...	14·6	+6	E'N	2	c	49	85	45	7	8	7	-	4-6	9	2500	0	3
Mildenhall ...	15·3	+8	-	0	F+	39	97	39	1	-	-	-	10	10	<150	1	*
Cranwell ...	15·5	+10	-	0	m/f	33	97	33	4	5	7	-	2-3	2-3	500	1	*
Birmingham ...	15·4	+1	SSW	2	of	41	97	40	3	-	-	5	0	1	-	1	*
Upper Heyford	15·6	+6	-	0	F-	33	97	33	0	-	-	-	10	10	<150	1	*
Ross-on-Wye	15·4	0	N	1	bf	30	97	29	2	-	-	1	0	Tr	-	1	*
Hartland Point	13·8	+2	SSW	2	b-bc	47	97	46	8	4	4	1	1	2-3	3000	1	2
Bristol ...	15·6	+10	-	0	bf-	29	97	29	2	-	-	1	0	1	-	1	*
Portland Bill ...	14·6	+6	N	2	c-bc	49	85	45	8	5	4	-	4-6	7-8	4000	1	*
Plymouth ...	16·5	+6	ENE	1	bf+	37	97	37	1	-	4	-	0	Tr	-	0	1
The Lizard ...	14·5	0	-	0	b-bc	48	92	45	8	4	-	-	2-3	2-3	2500	1	2
Scilly (St. Mary's)	14·2	-2	SW	2	bc	51	85	48	8	8	4	3	4-6	4-6	1200	1	3
Pembroke ...	13·2	-6	SW'S	4	bc q	54	85	49	8	8	4	-	2-3	4-6	2500	0	3
Holyhead (Valley)	11·3	-2	S'W	7	c	53	85	49	8	5	3	-	7-8	9	2500	1	5
Chester (Sealand)	15·7	0	S'E	1	₂₀	36	97	35	5	-	4	5	0	4-6	-	0	*
Manchester ...	14·1	+2	S'E	3	m	40	85	37	4	-	-	-	0	0	-	1	*
Spurn Head ...	14·9	+6	SSW	2	F	45	97	45	1	-	-	-	10	10	<150	1	1
Catterick (Sc.)...	14·0	+2	-	0	F+	34	97	34	0	-	-	-	10	10	<150	1	*
Tynemouth ...	13·6	0	SW	3	m	41	85	37	4	-	4	-	0	2-3	-	1	2
St. Abbs Head	08·5	-18	S	4	c-bc	45	85	42	7	4	4	-	4-6	7-8	2500	0	3
Leuchars ...	07·4	-8	SSW	3	₂₀	49	92	46	6	5	7	8	2-3	10	3500	1	*
Renfrew (Abbotsl.)	06·7	-2	S	5	₆₀	52	85	49	5	-	2	-	10	10	1000	1	*
Eskdalemuir ...	09·7	-2	S'E	4	c	44	85	41	6	5	1	-	9	10	900	1	*
Point of Ayre...	09·4	+4	SW	4	c	54	75	47	8	9	7	5	2-3	9+	2000	0	3
Tiree	00·6	+2	SSW	5	₁₀	53	92	52	6	5	2	-	7-8	10	600	1	4
Stornoway ...	95·0	-14	S	8	₆₀	52	97	52	5	6	2	-	9	10	1000	1	6
Dalwhinnie ...	01·0	+2	S	5	id	47	92	45	7	5	2	-	7-8	10	1500	1	*
Aberdeen † ...	06·5	-10	S	5	₂₀	50	85	45	6	5	7	-	2-3	9+	1500	1	3
Wick ...	00·3	-16	S	6	d d	50	92	48	7	5	7	-	4-6	10	1500	1	*
Sumburgh ..	02·7	-14	S'E	6	₆₀	51	85	48	7	5	2	-	7-8	10	1200	1	4
Blacksod Point	02·6	+14	SSW	5	c/r	55	92	53	7	6	-	-	10	10	1500	2	4
Malin Head ...	01·5	+6	S'W	4	ir	52	85	48	8	5	-	-	10	10	1500	1	4
Aldergrove ...	06·7	-2	SSE	4	c	50	92	48	7	5	2	-	9+	10	1000	1	*
Birr Castle ...	06·7	-2	S	3	c	53	92	51	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	07·7	+2	SSW	4	₆₀	55	97	54	6	5	-	-	10	10	700	1	4
Roches Point	09·6	-2	SSW	5	dr	[illegible]	97	54	5	5	-	-	10	10	450	1	4

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F. (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 25th Hrs. (38)
London (Kew)	58	40	30	-	Tr	3·6
Croydon ...	53	41	38	-	01	0·4
S. Farnborough	58	36	32	-	Tr	3·9
Boscombe Down	58	33	33	-	1	4·6
Thorney Island	60	42	33	Tr	Tr	*
Lympne ...	55	49	47	-	0·3	1·9
Manston ...	59	53	49	-	Tr	2·5
Shoeburyness ...	59	44	36	-	-	6·1
Felixstowe ...	59	42	42	-	-	6·5
Gorleston ...	58	49	41	-	-	6·9
Mildenhall ...	55	37	35	-	Tr	3·8
Cranwell ...	55	32	28	-	-	3·6
Birmingham ...	51	39	24	Tr	-	1·4
Upper Heyford	58	32	31	Tr	-	*
Ross-on-Wye	58	30	26	Tr	-	5·6
Hartland Point	56	46	40	-	Tr	7·8
Bristol ...	57	48	43	0·1	-	5·1
Portland Bill ...	57	46	*	-	-	*
Plymouth ...	60	46	27	-	-	8·0
The Lizard ...	60	41	*	Tr	-	4·2
Scilly (St. Mary's)	58	47	*	-	Tr	8·2
Pembroke ...	57	42		-	-	8·6
Holyhead (Valley)	57	51	48	-	-	*
Chester (Sealand)	58	36		-	-	8·1
Manchester ...	58	37	33	-	-	*
Spurn Head ...	52	44	*	Tr	0·1	3·8
Catterick (Sc.)...	55	33	29	-	Tr	8·2
Tynemouth ...	55	41	38	-	-	*
St. Abbs Head	57	41	*	-	-	*
Leuchars ...	54	44	33	-	-	5·1
Renfrew (Abbotsl.)	54	48	42	Tr	0·3	5·4
Eskdalemuir ...	50	43	37	0·2	Tr	2·1
Point of Ayre...	59	47	*	-	-	7·3
Tiree	57	42	42	1	12	0·0
Stornoway ...	52	50	49	1	5	0·0
Dalwhinnie ...	48	45	43	-	Tr	0·6
Aberdeen † ...	51	46	42	-	-	5·5
Wick ...	53	49	47	-	1	*
Sumburgh ..	52	49	46	1	0·5	1·8
Blacksod Point	55	48	*	1		*
Malin Head ...	52	50	0·4	1	1	0·8
Aldergrove ...	53	48	44	0·1	4	6·5
Birr Castle ...	57	51	49	-	1	3·2
Valentia Obsy.	56	53	50	0·3	6	2·9
Roches Point	57	52	*	Tr	6	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 25th October 18h. G.M.T. — 01h. G.M.T. 26th October 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	17	02951	16425	07	01790	15324	5-	62648	49668	02	64648	47668
115				82	62744	16367	52	62835	20368	87	62745	20268
203				6-	61738	16628						
206	57	02854	20427	57	02954	16466	5-	02868	18668	57	60855	49468
210	14	02962	18327	57	02863	14325	52	22864	12368	57	02884	15467
219	52	62646	16668	62	62545	17668	62	61535	16768	62	51536	17768
230	52	61857	16168	57	02845	16268	52	61855	18368	62	62646	18368
245	56	05635	13125	50	05532	18222	50	01652	20314	57	05654	16427
260	24	05663	20314	5-	05553	14214	54	05663	17513	53	05654	18416
276												
279	20	05644	20384	80	05652	16213	50	01751	16101	57	02855	18327
285	23	01744	20414	4-	02645	16126				13	01853	14314
288	20	01861	17311	00	00790	15110	00	08490	19200			
575	73	02864	18225	82	02844	16228	52	62646	50468	5-	51735	51656
301	-	05564	16214	00	08490	14102	00	08490	08200	04	08490	10303
321	--	44009	00049	--	46009	00049	--	46009	00049	--	46009	00049
290	20	05653	00093	50	05653	16103	00	05590	20200	00	45090	22140
292	10	05662	00042	00	47290	18110	--	46009	00049	--	48009	14219
310	26	01634	24214	20	01623	20313						
614	13	08462	26125	04	47390	00014	00	45190	00040	00	43290	28141

13h. G.M.T. 25th October 18h. G.M.T. — 01h. G.M.T. 26th October 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	27	01963	18214				5-	01755	18315	54	01741	18414
334	--	01752	12113	--	05553	00014				--	04409	00028
340	14	05663	20114	04	01790	20111	00	08490	20100	00	43390	14241
136	10	05662	28144	00	05590	32124	00	43190	00040	04	43390	12247
336	10	01763	24213	50	01753	28213					46209	28249
350	10	05562	00042	04	05690	00014	00	45290	00040	--	46009	00049
368	20	05662	18113	00	05690	20113	00	08490	31100	50	47333	32103
379				07	05590	32211	00	08490	32100	04	05590	22014
390	10	05663	32244	00	47390	32144	00	47390	32140	07	47090	00043
382	00	43380	00041	07	47330	00043	00	43290	00040	--	44009	00049
438	02	05663	02317	53	05554	02315	5-	08435	01415	52	05654	02528
430	10	02751	02225	00	08480	32123	00	05590	32327	07	05590	30314
409	20	01963	32313	14	01953	30113	00	05690	00000	14	04851	14202

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 26th October.
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 ...	cfeammw	cafe m	bfofewfio	Kew 24 hours ended 7h. Max. 3·7 11th Time 25th Min. 0·1 13-14th 25th Time
Croydon	ofect	bef of	flofew	
Greenwich ...	cbff	bebm	bembfe	
Camden Square	be	be	*	
Kensington ...	cfebc	bef	*	
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	Humidity 15h %	Humidity 9h %
						Yesterday	To-day	
Kew	58	40	30	-	Tr	3·6	*	*
Croydon ...	53	41	38	-	0·1	0·4	*	*
Greenwich ...	59	39	29	-	Tr	3·0	62	93
Westminster ...	60	43	37	-	-	*	68	98
Regents Park ...	60	42	31	-	-	*	68	93
Camden Square	61	43	34	-	-	*	*	92
Kensington ...	60	40	31	-	Tr	*	83	90
Hampstead ...	61	42	37	-	-	*	*	91

Page 1 **BRITISH SECTION**

SECRET

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

Wednesday 27th October 1943

No. 29924

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

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)	15·2	0	SSW	1	cf	50	92	48	2	2	3	-	9	9+	4000
	Croydon	15·7	-2	NW	1	bf-	51	92	49	2	-	-	-	0	0	-
	S. Farnborough	15·2	-4	WS	1	zo	56	85	51	5	5	-	6	4-6	4-6	1200
	Boscombe Down	15·5	-2	-	0	bc	57	75	49	7	2	-	6	4-6	4-6	3000
	Thorney Island	14·8	+2	NNE	1	zo	60	75	52	6	2	4	-	4-6	4-6	4000
	Lympne	14·7	+2	NE	3	zo	56	85	52	6	5	-	-	10	10	1500
	Manston	14·0	+2	NNE	2	dodo	56	92	54	5	5	2	-	9	10	1500
2	Shoeburyness	15·8	+2	E	1	zo	60	75	52	6	7	4	6	4-6	7-8	4700
	Felixstowe	14·7	+2	NNE	2	zo	58	75	51	6	5	-	-	10	10	4000
	Gorleston	15·0	0	NE	2	pr	56	85	51	7	8	-	-	10	10	1500
	Mildenhall	15·8	+2	-	0	F	46	97	46	1	-	-	-	10	10	<150
	Cranwell	15·4	0	SE	1	F	47	97	46	0	-	-	-	10	10	<150
3	Birmingham	14·9	0	SW	2	b	56	55	41	8	-	-	1	0	1	-
	Upper Heyford	15·6	0	-	0	F-	49	97	48	2	-	-	-	10	10	<150
4	Ross-on-Wye	14·7	-12	SW	2	b	58	55	42	7	-	-	4	0	1	-
5	Hartland Point	14·5	-2	WSW	3	bc	55	92	53	8	1	4	-	2-3	4-6	3000
	Bristol	15·7	0	W	1	bjf	56	65	43	7	-	4	1	0	1	-
	Portland Bill	15·5	+6	E	2	cbc	58	92	56	8	2	-	-	7-8	7-8	4000
	Plymouth	16·1	+2	WSW	2	cbc	57	75	49	8	1	4	6	2-3	7-8	3000
	The Lizard	15·2	+2	WSW	3	cbc	57	85	51	8	5	3	-	2-3	7-8	2000
	Scilly (St. Mary's)	15·0	+2	SW	3	cjp	56	85	52	8	6	4	-	9	10	1500
	Guernsey															
6	Pembroke	14·1	+2	SWS	4	cq	56	85	53	8	8	6	-	7-8	9+	2500
7	Holyhead (Valley)	11·3	-2	S	6	dodo	54	97	52	5	-	2	-	10	10	400
	Chester (Sealand)	13·1	-4	SW	3	zo	57	65	47	6	5	-	6	7-8	9	3000
8	Manchester	13·2	-6	SSW	4	zo	55	65	45	6	-	-	6	0	7-8	-
10	Spurn Head	15·6	0	SE	2	F	49	97	49	0	-	-	-	10	10	<150
	Catterick (Sc.)	13·5	-8	SE	2	cbcf	44	97	43	3	-	7	-	0	7-8	-
	Tynemouth	12·5	-10	S	3	m	53	65	40	4	2	3	1	4-6	7-8	2200
11	St. Abbs Head	08·0	0	SSW	6	iro	51	75	45	7	8	2	-	7-8	10	2000
	Leuchars	07·4	-2	SSW	4	c	55	85	52	7	5	7	-	4-6	9+	3500
12	Renfrew (Abbots I.)	07·2	+2	SSW	4	roro	54	92	52	6	6	2	-	9	10	400
	Eskdalemuir	10·0	0	S	5	roro	49	92	48	6	2	-	-	10	10	700
	Point of Ayre	09·7	0	SWW	5	o	56	85	52	8	6	-	-	10	10	1000
13A	Tiree	03·8	+10	S	3	c	54	92	51	8	-	2	-	10	10	5000
13B	Stornoway	00·2	+30	SW	3	c	54	92	51	8	8	2	-	7-8	10	1200
15	Dalwhinnie	05·0	+8	S	4	ido	51	92	49	6	5	-	-	10	10	1500
	Aberdeen	07·4	+10	NEE	6	zo	52	85	48	6	5	7	-	4-6	9+	800
	Wick	02·5	+10	SW	5	c	55	85	50	9	5	7	-	4-6	10	5000
16	Sumburgh	02·5	+2	S	7	c	52	85	49	7	5	7	-	4-6	10	1000
17	Blacksod Point	03·5	0	SWS	3	dr	56	97	55	7	6	2	-	4-6	10	1500
18	Malin Head	03·5	+2	SW	4	iro	55	92	53	8	-	2	-	10	10	1500
	Aldergrove	06·8	-2	S	4	iro	54	92	52	8	6	2	-	7-8	10	600
19	Birr Castle	07·3	0	S	2	c	58	85	54	7	6	2	-	7-8	10	800
20	Valentia Obsy.	07·9	-6	SW	6	iro	56	92	54	8	5	2	-	7-8	10	300
	Roches Point	10·6	0	SW	4	o	56	97	55	7	5	-	-	10	10	800

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	15·9	+6	-	0	F+	46	97	46	0	-	-	-	10	10	<150	1	*
	Croydon	16·5	+6	-	0	F	48	97	48	1	-	-	-	10	10	<150	0	*
	S. Farnborough	16·0	+6	-	0	oF+	47	92	45	0	-	-	-	0	0	-	0	*
	Boscombe Down	16·5	+12	NW	2	b	51	86	47	6	-	-	5	0	1	-	0	*
	Thorney Island	15·8	0	-	0	m	50	92	49	4	-	-	5	0	2-3	-	1	*
	Lympne	16·0	+10	NE	1	m	52	97	52	4	5	3	-	2-3	7-8	2000	0	§
	Manston	15·5	+10	NW	1	zo	55	97	53	5	5	-	-	9+	9+	4500	1	*
2	Shoeburyness	15·9	+2	-	0	zo	53	92	50	6	-	4	-	0	1	-	1	*
	Felixstowe	15·4	+6	N	1	zo	54	92	52	6	5	-	-	2-3	2-3	4000	0	1
	Gorleston	15·7	+4	N	1	zo	55	92	52	6	5	-	-	10	10	1500	0	2
	Mildenhall	16·4	+8	-	0	F	47	97	47	0	-	-	-	10	10	<150	1	*
	Cranwell	15·8	+6	SSE	1	F+	46	97	46	1	-	-	-	10	10	<150	1	*
3	Birmingham	15·9	+10	SSE	2	m	49	75	42	4	3	-	6	0	7-8	-	1	*
	Upper Heyford	16·2	+4	-	0	F+	43	97	43	0	-	-	-	10	10	<150	1	*
4	Ross-on-Wye	15·2	+8	S	2	zo	49	75	42	6	-	-	6	0	7-8	-	1	*
5	Hartland Point	14·6	+4	WSW	3	c	55	92	52	8	5	6	-	4-6	9	2200	1	3
	Bristol	16·3	+10	SSW	1	fg	45	85	40	5	-	5	6	0	9	-	0	*
	Portland Bill	15·7	-12	W	1	bc	55	92	53	8	5	-	-	4-6	4-6	4000	1	1
	Plymouth	16·3	+6	SWS	2	zo	54	85	50	6	4	4	9	1	9+	2500	0	1
	The Lizard	16·1	+8	SW	5	pr	54	92	52	8	5	-	-	9+	9+	1500	1	3
	Scilly (St. Mary's)	15·6	+8	SW	3	c	55	85	51	8	5	7	-	7-8	9+	1200	1	3
	Guernsey																	
6	Pembroke	14·8	+4	SWW	4	c/d	55	97	55	8	8	-	-	9+	9+	2000	1	3
7	Holyhead (Valley)	12·3	+6	S	5	ddf	54	97	54	3	-	2	-	10	10	<150	1	4
	Chester (Sealand)	13·4	+6	S	2	zo	55	75	47	5	5	2	-	7-8	10	3000	0	*
8	Manchester	14·3	+10	SE	3	zo	52	75	46	5	-	7	-	0	9+	-	1	*
10	Spurn Head	15·8	+8	S	3	F+	49	97	48	0	-	-	-	10	10	<150	1	2
	Catterick (Sc.)	13·6	-2	SE	3	m	51	85	47	4	5	7	-	4-6	10	3000	0	*
	Tynemouth	13·1	+0	SSW	3	iro	53	75	46	4	8	-	-	9+	9+	2200	2	2
11	St. Abbs Head	09·1	0	S	5	rr	52	85	47	6	8	2	-	7-8	10	2500	1	4
	Leuchars	08·3	+8	SSW	2	c/r	53	97	52	6	6	2	-	4-6	10	500	1	*
12	Renfrew (Abbots I.)	07·5	+2	SW	4	roro	56	97	54	5	6	2	-	7-8	10	600	1	*
	Eskdalemuir	10·2	+6	SSE	5	rr	51	97	50	4	-	2	-	10	10	<150	1	*
	Point of Ayre	09·4	0	WSW	5	c	57	85	53	8	8	-	-	10	10	2500	0	3
13A	Tiree	03·9	+4	SW	3	c/r	55	97	54	7	5	2	-	7-8	10	1200	1	3
13B	Stornoway	01·7	-2	SSW	5	ido	54	85	50	7	6	2	-	9+	10	1000	1	3
15	Dalwhinnie	05·0	+4	S	4	iro	50	92	48	5	5	-	-	10	10	1500	1	*
	Aberdeen	08·2	+10	SW	4	roro	51	97	51	4	6	2	-	9	10	800	1	5
	Wick	05·0	+6	SSW	3	ido	53	92	52	8	5	2	-	4-6	9+	1000	1	*
16	Sumburgh	05·1	+22	SSW	5	dodo	53	92	51	6	6	-	-	7-8	10	800	1	4
17	Blacksod Point	02·4	-8	SSW	6	iR	56	97	55	6	-	2	-	10	10	800	2	5
18	Malin Head	03·8	+2	SW	3	c-bc	53	92	53	8	8	-	-	7-8	7-8	1500	2	3
	Aldergrove	07·4	+6	SWS	4	c	56	92	53	7	6	2	-	7-8	10	600	1	*
19	Birr Castle	07·3	0	S	3	c	57	85	53	8	5	1	-	7-8	9+	2500	1	*
20	Valentia Obsy.	07·6	-2	SW	3	rr	56	97	55	6	6	2	-	10	10	900	1	4
	Roches Point	10·4	-2	SW	4	ido	55	97	54	7	5	-	-	10	10	800	1	4

PAST 24 HOURS. WEATHER.

District	Stations	7h.—13h. 26th (39)	13h.—18h. 26th (40)	18h. 26th to 1h. 27th (41)	1h.–7h. 27th (42)
1	London (Kew)	oFecfw	abcffoFe	oFeFe	oFeFe
	Croydon	F	bcFbF	bFe	bFeoFe
	S. Farnborough	oFbcmo	bcmobmof	bFoFe	oFe
	Boscombe Down	bcfbcmo	bcb	bmw	bmwbfmx
	Thorney Island	bcmowbc	bcmobm	bmwbfm	bmwF
	Lympne	cmcmo	ocmobcm	cmbfFe	bfemfg
	Manston	cmoccmo	dodomo	cmoocfof	bcfoFe
2	Shoeburyness	bcmczo	czobcmow	bcmf	Fe
	Felixstowe	cmo	cmobcmo	cmobcmo	bmbfF
	Gorleston	cd	cprc	czow	czwofFe
	Mildenhall	oFwoFe	oF	oFe	oFe
	Cranwell	bFbcmF	bfbF	bF	bFbmbcmo
3	Birmingham	offb	bcm	cbvm	bbvz
	Upper Heyford	oF	ofbfbF	oFbFoF	oFbFw
4	Ross-on-Wye	bfFozo	bybczo	czobmo	bccmo
5	Hartland Point	bc	bcc	cidoc	bcc
	Bristol	bfxbfb	bbccmo	bm	bmwbcm
	Portland Bill	c	c	bc	bcc
	Plymouth	bcmobc	c	cmoido	bc
	The Lizard	cc	ctroc	bcw	bccw
	Scilly (St. Mary's)	bcc	c	cbc	bccw
	Guernsey				
6	Pembroke	cproq	cqdomoq	cbcq	bccq
7	Holyhead (Valley)	cido	oidoddm	bcmo	cmc
	Chester (Sealand)	bmbczoc	czoczo	c,bczomo	cbc
8	Manchester	bczczo	bczozo	czobccmo	cbccmo
10	Spurn Head	f	fe	fe	bc wmo
	Catterick (Sc.)	bc	cfocfcm	cmcf	cf
	Tynemouth	bcm	cmiro	cmo	cm
11	St. Abbs Head	crccro	crocmorr	cmoc	c
	Leuchars	ciromoc	cRmocmo	ciro cmo	cmoc
12	Renfrew (Abbots I.)	croromo	cdorrobmo	rorodddcmo	cmororo
	Eskdalemuir	croro	roorr	crrm	croro
	Point of Ayre	c	c	c	c
13A	Tiree	crocmdmc	ccroro	cromormo	cromocd
13B	Stornoway	croromoc	ecido	cidododmo	crrmdodo
15	Dalwhinnie	ocidoo	oir		oir
	Aberdeen	cirrmccz	czocrgm	cirodoc	cq
	Wick	c	cdoo	cidororo	cmoc
16	Sumburgh	cicroc	cmcmddd	docmo	cmoro
17	Blacksod Point	r	r	r	r
18	Malin Head	r	r	r	r
	Aldergrove	cciro	ciromoc	cirororoc	cciro
19	Birr Castle	r	r	r	r
20	Valentia Obsy.	r	r	r	r
	Roches Point	d	d	d	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 27th October

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Calm to light variable wind. Fine in many areas to-day; fog persisting locally in the east of the area and becoming fairly general to-night and to-morrow morning: cold in foggy areas: mild by day elsewhere.
4 W. Midlands; 5 S.W. England	Light southwest breeze. Fine this afternoon and evening; fairly general fog later; mild in the afternoon, rather cold at night.
6 South Wales; 7 North Wales; 8 N.W. England	Light to moderate southwest winds. Mainly fair except for some drizzle or low cloud near the coast at times: rather mild.
9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	Light to moderate southerly breeze. Fair; fog again to-night and tomorrow morning; rather mild to-day; rather cold at night.
12 S.W. Scotland & Isle of Man	Light to moderate southwest wind. Mainly fair except for slight local rain: rather mild.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Fresh southwest winds becoming strong at times later on the western coasts; cloudy or dull; rain or drizzle at times: mild.
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 rising steadily over England with pressure low to the south-west of Iceland. Further secondary disturbances are expected to move northeast off our west and northwest seaboard, giving further rain at times in the northwest half of the country. Elsewhere weather will be fine or fair but with some fog at times, especially night and morning.

FURTHER OUTLOOK

Continuing unsettled with rain at times in the Northwest and extreme West; fine to fair over much of England, but possibly further fog at times.

Forecasts issued at 1030

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

7h. Wednesday 27th October. 1943.

10° 5°W. 0° 5°E 10°

60° 55° 50°

Low

HIGH

996 998 1000 1002 1004 1006 1008 1012 1016 1020

Mb In.
1050 31
1040
1030
1020 30
1010
1000
990 29
980
970 28
960
950 28
940
930

STATION MODEL

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

48 8 44 4/5 17·7 +26

Scale 1.: 5,000,000

Ps.523/4858. We.9091. D.4585. Gp.948/2. 7440. 10/43.

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Wednesday 27th October

1943.

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.

Wednesday 27th October 1943 — No. 29924

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

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	*	*	*	*	*	44	*	*	*	*	*	*	*	*	*
	Croydon ...	290	18·2	0	SE	2	bf	43	97	43	1	-	-	-	0	0	-
	S. Farnborough	226	17·7	+2	-	0	F	40	97	40	0	-	-	-	10	10	<150
	Boscombe Down	417	17·8	+6	-	0	m	40	97	39	4	-	-	-	0	0	-
	Thorney Island	10	17·2	+2	-	0	m	43	97	43	4	-	-	-	0	0	-
	Lympne ...	283	17·8	−4	N.W	2	bF+	48	97	48	1	-	-	-	0	0	-
	Manston ...	154	17·3	+6	N.W	1	bcf	53	92	51	3	5	-	-	4·6	4·6	1400
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	17·5	+4	NE	1	m	50	92	49	4	5	-	-	4·6	4·6	2900
	Gorleston ...	5	16·7	0	NW	1	z.	52	92	47	6	5	-	-	10	10	800
	Mildenhall ...	15	17·4	+2	-	0	F	42	97	42	0	-	-	-	10	10	<150
	Cranwell ...	203	16·8	+4	-	0	bF+	37	97	37	1	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·5	+6	-	0	F	36	97	36	1	-	-	-	10	10	<150
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·3	−6	SW	4	c-bc	54	92	51	8	5	1	-	4·6	7·8	1500
	Bristol ...	209	17·3	+4	-	0	m	36	97	36	4	-	-	-	0	0	-
	Portland Bill ...	32	16·6	+4	W	1	b-bc	52	85	48	8	1	-	-	2-3	2-3	4000
	Plymouth ...	86	17·1	−2	SW	2	c-bc	54	92	51	7	5	7	2	4-6	7-8	2500
	The Lizard ...	240	16·8	+2	SW	3	bc	53	97	52	7	5	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	15·5	−2	SSW	4	bc	55	92	53	8	5	-	-	4-6	4-6	1500
	Guernsey ...	175															
6	Pembroke ...	142	14·3	−6	SSW	5	bc q	56	97	55	8	8	-	-	4-6	4-6	2500
7	Holyhead (Valley)	32	12·7	−2	S	6	id.	55	92	53	6	6	2	-	10	10	2500
	Chester (Sealand)	16	14·1	+2	S	1	z.	50	92	47	6	5	-	-	9	9	3000
8	Manchester ...	230	15·0	0	S'E	3	z.	50	85	46	5	5	-	-	9+	9+	1500
10	Spurn Head ...	29	16·6	+2	S	3	F	44	97	40	0	-	-	-	10	10	<150
	Catterick (Sc.) ...	192	14·0	−6	-	0	c f	44	97	44	3	-	7	-	0	9	-
	Tynemouth ...	108	13·3	−6	S	5	z.	50	85	46	6	5	-	-	7-8	7-8	1500
11	St. Abbs Head	280	09·9	+2	SE	3	c	53	85	49	7	5	-	-	10	10	2500
	Leuchars ...	36	08·8	+2	S	2	z.	55	92	53	6	5	7	-	7-8	10	1700
12	Renfrew (Abbotsl.)	19	08·3	+4	S	4	z.	55	85	52	6	5	-	-	10	10	1800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	10·7	+2	W'S	5	c	56	75	49	8	9	-	-	9	9	2000
13A	Tiree	44	02·1	−16	S	4	ro ro	54	97	54	6	6	2	-	9	10	400
13B	Stornoway ...	12	00·4	−14	SSW	6	ro ro	55	97	54	6	6	2	-	7-8	10	800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	07·4	−2	SSW	5	z.	54	85	50	6	5	2	-	4-6	9+	2200
	Wick ...	114	04·6	−12	S	3	rr	53	92	52	5	-	2	-	10	10	6500
16	Sumburgh ...	19	05·4	−8	S'E	3	z.	52	97	51	6	5	-	-	10	10	1000
17	Blacksod Point	18	01·7	−6	SW'S	7	Dr	55	97	54	6	-	2	-	10	10	800
18	Malin Head ...	84	02·7	−6	S	5	ir.	55	85	54	8	-	2	-	10	10	800
	Aldergrove ...	268	07·7	+2	S	4	e	53	92	52	8	5	-	-	10	10	1300
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	06·8	−6	S'W	6	rr	56	97	55	6	6	-	-	10	10	900
	Roches Point	22	01·4	−2	SW'S	5	o	55	97	54	7	5	-	-	10	10	800

OBSERVATIONS at 7 hr. G.M.T. 27th October

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)	19·9	+14	-	0	F	45	97	45	1	-	-	-	10	10	<150	1	*
	Croydon ...	20·2	+14	-	0	F	40	97	40	0	-	-	-	10	10	<150	1	*
	S. Farnborough	20·2	+20	SE	1	bF-	38	97	38	0	-	-	-	10	10	<150	1	*
	Boscombe Down	19·3	+10	SE'E	2	bF-	35	97	34	5	-	-	6	0	4·6	-	0	*
	Thorney Island	19·0	+16	NNW	1	F	41	97	41	1	-	-	-	10	10	<150	1	*
	Lympne ...	19·4	+10	SE	1	b/F	46	97	46	5	-	4	1	0	Tr	-	1	1
	Manston ...	18·9	+12	-	0	F-	50	97	50	1	-	-	-	10	10	<150	1	*
2	Shoeburyness ...	19·1	+14	-	0	F-	47	97	47	1	-	-	-	10	10	<150	1	*
	Felixstowe ...	18·7	+10	-	0	F+	45	97	45	0	-	-	-	10	10	<150	0	1
	Gorleston ...	18·0	+14	-	0	of-	48	97	48	5	5	-	-	10	10	400	0	1
	Mildenhall ...	19·1	+14	SE	2	F+	42	97	42	0	-	-	-	10	10	200	1	*
	Cranwell ...	17·4	+4	-	0	z.	34	97	34	5	-	4	5	0	2·3	-	1	*
3	Birmingham ...	17·5	+6	SSW	2	z.	42	92	40	5	-	-	6	0	4·6	-	1	*
	Upper Heyford	18·5	+6	-	0	bF	33	97	33	1	-	-	-	0	0	-	1	*
4	Ross-on-Wye	17·6	+8	W	1	m	40	97	39	4	5	1	-	9+	9+	2000	1	*
5	Hartland Point	16·1	+6	S	4	c	51	97	50	8	5	7	4	7-8	8	2500	1	3
	Bristol ...	18·1	+8	SW	3	z.	47	97	46	6	5	4	9	Tr	7-8	4000	1	*
	Portland Bill ...	17·9	+12	SW	2	c-bc	55	85	51	8	2	4	-	4-6	7-8	4000	1	3
	Plymouth ...	17·7	+4	SSW	3	c-bc	55	85	52	7	5	7	-	4-6	7-8	2000	0	1
	The Lizard ...	16·6	+2	S	5	c-bc	55	97	55	7	5	-	-	7-8	7-8	2000	1	4
	Scilly (St. Mary's)	15·5	+2	SSW	4	c	55	92	53	7	5	7	-	7-8	10	1200	1	3
6	Pembroke ...	15·1	+6	SSW	5	cq	56	97	55	8	5	-	-	9+	9+	2500	1	4
7	Holyhead (Valley)	13·1	+6	S	6	c	55	92	53	8	5	7	-	4-6	10	1500	1	4
	Chester (Sealand)	15·1	+8	S'E	2	z.	50	85	46	6	5	3	9	4-6	7-8	3500	0	*
8	Manchester ...	15·7	+6	S'E	3	z.	49	85	45	5	5	3	1	2-3	4-6	2000	1	*
10	Spurn Head ...	17·3	0	SW'S	3	z.	45	92	42	6	7	3	-	2-3	4-6	4000	1	2
	Catterick (Sc.) ...	14·9	+4	SSW	4	c f+	43	97	43	2	5	-	-	9+	9+	2000	0	*
	Tynemouth ...	13·2	+6	SSW	3	m	49	85	46	4	8	-	-	7-8	7-8	2400	1	2
11	St. Abbs Head	09·2	−8	SSW	6	c	54	75	47	8	5	4	-	7-8	9+	2000	0	4
	Leuchars ...	09·3	+6	SW	5	c	56	92	53	7	5	7	-	4-6	10	2000	1	*
12	Renfrew (Abbotsl.)	08·7	+6	S'W	4	ro ro	56	92	54	6	5	-	-	4-6	10	800	1	*
	Eskdalemuir ...	11·2	+4	S	6	ro ro	51	92	49	5	-	2	-	10	10	300	1	*
	Point of Ayre ...	10·9	+4	SW	5	c	57	92	55	8	6	7	-	4-6	10	1000	0	3
13A	Tiree	03·9	+10	S	6	id.	55	92	53	7	6	2	-	4-6	10	600	1	4
13B	Stornoway ...	00·8	+18	SSW	7	do.	55	97	54	5	6	2	-	9	10	400	1	4
15	Dalwhinnie ...	060	0	S	4	ir.	52	92	51	6	5	1	-	7-8	10	1500	1	*
	Aberdeen † ...	08·4	+8	SSW	4	c	54	85	51	8	5	7	-	9	9+	2000	1	4
	Wick ...	04·6	+8	S	4	c	55	85	51	7	5	7	-	7-8	9+	1500	1	*
16	Sumburgh ...	03·7	−6	S'W	5	c/f	53	97	52	6	5	-	-	10	10	4000	1	4
17	Blacksod Point	03·8	+14	SW	3	rr	55	97	54	7	6	2	-	4-6	10	1500	2	3
18	Malin Head ...	04·4	+14	S'W	5	c	56	85	52	8	5	-	-	9+	9+	1500	2	4
	Aldergrove ...	08·3	+10	S	4	ir.	55	85	51	7	5	-	-	9	10	2000	1	*
19	Birr Castle ...	07·8	+4	S	2	c	56	92	54	7	5	-	-	9	9	2500	1	*
20	Valentia Obsy.	07·6	+10	S'W	5	ir	56	97	55	6	5	-	-	10	10	500	1	5
	Roches Point	10·6	+6	SSW	5	dr	55	97	54	5	5	-	-	10	10	450	1	5

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)	57	42	35	Tr	Tr	0·0
	Croydon ...	54	38	38	-	0·2	1·0
	S. Farnborough	58	37	38	-	0·2	3·2
	Boscombe Down	60	38	31	1	·7	7·1
	Thorney Island	61	38	33	Tr	-	*
	Lympne ...	57	43	36	Tr	0·1	0·0
	Manston ...	59	49	46	Tr	0·1	0·0
2	Shoeburyness ...	60	45	35	-	Tr	6·2
	Felixstowe ...	59	44	39	-	0·4	1·9
	Gorleston ...	58	48	45	Tr	-	0·3
	Mildenhall ...	60	40	42	·	0·5	0·0
	Cranwell ...	59	33	29	-	-	3·4
3	Birmingham ...	56	41	32	-	-	7·7
	Upper Heyford	60	33	31	Tr	-	*
4	Ross-on-Wye	59	38	30	·	-	6·1
5	Hartland Point	55	51	49	·	Tr	5·4
	Bristol ...	60	34	28	·	Tr	7·1
	Portland Bill ...	58	49	*	·		*
	Plymouth ...	58	48	38	·	-	6·6
	The Lizard ...	58	53	*	Tr	Tr	(5·0)
	Scilly (St. Mary's)	59	54	*	-	Tr	3·4
6	Pembroke ...	56	53	*	1	Tr	0·0
7	Holyhead (Valley)	55	53	53	0·5	0·6	*
	Chester (Sealand)	58	49	46	·	-	4·3
8	Manchester ...	57	48	43	·	-	*
10	Spurn Head ...	53	43	*	·	0·5	5·1
	Catterick (Sc.) ...	53	42	39	·	-	1·1
	Tynemouth ...	55	48	45	0·1	-	*
11	St. Abbs Head	53	50	*	0·6	Tr	*
	Leuchars ...	56	53	51	1	Tr	0·3
12	Renfrew (Abbotsl.)	56	55	52	13	4	0·0
	Eskdalemuir ...	51	50	50	7	10	0·0
	Point of Ayre ...	57	55	*	·	Tr	0·0
13A	Tiree	55	54	53	5	7	0·0
13B	Stornoway ...	55	53	53	1	8	0·3
15	Dalwhinnie ...	51	50	48	5	7	0·0
	Aberdeen † ...	52	51	50	0·6	Tr	0·0
	Wick ...	55	52	44	0·3	4	*
16	Sumburgh ...	53	51	51	5	4	0·0
17	Blacksod Point	56	54	*	5	24	*
18	Malin Head ...	55	54		3	2	0·0
	Aldergrove ...	57	53	51	2	1	0·0
19	Birr Castle ...	58	55	53	1	0·3	0·0
20	Valentia Obsy.	56	55	55	5	3	0·0
	Roches Point	57	54	*	0·5	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 26th October — 18h. G.M.T. — 01h. G.M.T. 27th October — 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
100	57	02764	49666	5-	51757	16327	5-	51648	15428	5-	02656	16568
115	87	02944	53567	52	02744	21327	52	02844	20357	52	02844	53567
203												
206	57	02955	20567	57	62754	20367	02	64768	14168	57	02855	18428
210	57	02975	18427	52	62853	15368	57	61865	14368	57	02964	16427
219	67	02735	18458	02	54628	18468	02	62628	16668	6-	51628	51658
230	52	21846	16268	52	59636	18168	02	64638	20368	62	62648	20168
245	57	02744	18468	62	58535	15368	52	05657	14468	52	02757	17467
260	57	02765	16626	52	22644	47568	52	05545	49568	52	05644	49628
278												
279	57	61644	51527	62	62535	18668	52	21655	51457	57	02835	51667
285	27	02744	18327							27	05625	24327
288	09	08490	48547	09	08490	16416	57	05551	18413	54	05655	18417
575	52	62635	18368	62	51735	51458	62	22645	51568	57	51745	51557
301	07	05550	13328	57	08465	16328	57	05554	12326	57	05565	14326
321	04	08490	14344	07	47290	14247	--	48209	14249	54	43354	14246
299	50	05653	22213	50	05644	20214	--	46109	20349	54	05644	22314
292	03	41490	12345	57	08463	10325	50	45263	12143	57	43225	12247
310										34	01426	24426
614	50	43351	18248	07	47390	17226	00	47390	00040	00	41490	25146

13h. G.M.T. 26th October — 18h. G.M.T. — 01h. G.M.T. 27th October — 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	62	62534	51468	52	52417	50468				57	02744	18327
334	--	03746	02317	--	02696	26217				--	26432	28315
340	54	05653	22415	07	08490	16227	50	08442	14442	55	05553	16316
136	10	41644	10146	--	46108	00049	00	45190	20140	00	47190	18240
336	53	02754	20316	57	05656	20328				50	02756	20326
350	--	46109	00049	--	46009	16148	00	43090	00040	--	46009	20149
368	03	05550	18143	57	05663	16215	50	05553	20123	53	01844	20224
379	10	05552	16713	00	05690	18215	00	05690	18300	50	05662	20205
390	10	08454	30114	00	47290	00010	--	46109	00049	00	46009	00049
382	--	48103	00049	--	46009	00049	--	46009	00049			
438	52	05655	03117	50	05563	02213	50	05563	32213	54	05543	00014
430	23	05654	04214	34	05590	30213	00	08490	04100	--	48009	00049
409	15	01851	20315	57	51845	16327	57	01752	16314	87	02854	14428

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 October
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 ...	oFecfw	cbcfhofe	oFeFe	Kew 24 hours ended 7h. Sx. Time
Croydon ...	F	bcf bF	bfeofe	1-4 18-21hrs
Greenwich ...	Febcf	bcff	bcfFeFe	Min. 12th
Camden Square ...	bc	c	*	0·5 4-6 hrs 27th
Kensington ...	cf	ofe	*	
Hampstead ...				

Stations.	Temperature. Day Max °F	Temperature. Night Min °F	Temperature. Min on grass °F	Rainfall. Day mm	Rainfall. Night mm	Sunshine to sunset hrs (Yesterday)	Humidity. 15h % (Yesterday)	Humidity. 9h % (To-day)
Kew	51	42	35	Tr	Tr	0·0	*	*
Croydon ...	54	38	38	-	0·2	1·0	*	*
Greenwich ...	56	43	35	-	Tr	1·0	85	98
Westminster ...	53	45	40	-	-		93	91
Regents Park ...	59	44	34	-	-	-	76	100
Camden Square ...	59	45	37	-	-	*	*	97
Kensington ...	53	44	36	-	9			91
Hampstead ...							*	

SECRET

Page 1

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

BRITISH SECTION

Thursday 28th October 1943

No. 29925

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	20·5	0	SSW	1	m/f	51	92	49	4	-	-	-	0	0	-
	Croydon ...	20·9	-2	-	0	b-f	54	78	47	2	-	-	-	0	0	-
	S. Farnborough	20·1	-6	SW'ly	2	b	60	65	49	7	1	-	5	Tr	1	2000
	Boscombe Down	19·8	+2	SW	3	c-bc	58	65	48	8	1	7	-	7-8	7-8	2000
	Thorney Island	20·2	+2	S	1	b	60	75	51	7	-	-	1	•	Tr	-
	Lympne ...	20·4	-2	SSW	1	Zo	58	85	54	6	2	-	-	4-6	4-6	2000
	Manston ...	20·6	+6	-	0	c/f	54	92	53	5	5	-	-	9+	9+	300
2	Shoeburyness ...	12·0	-2	-	0	F.	50	92	49	1	-	-	-	10	10	<150
	Felixstowe ...	20·5	+2	-	0	F	51	97	51	1	-	-	-	10	10	<150
	Gorleston ...	20·5	+14	S'W	1	Zo	58	75	51	6	-	-	-	0	0	-
	Mildenhall ...	20·1	+2	-	0	Zo	54	97	53	5	-	-	-	0	0	-
	Cranwell ...	10·9	0	SW	3	b	59	75	49	7	1	-	-	Tr	Tr	4000
3	Birmingham ...	19·4	+2	SW	3	b	57	75	50	8	-	-	6	0	1	-
	Upper Heyford	19·3	-4	SSW	2	Zo	57	75	49	6	5	-	5	4-6	4-6	1500
4	Ross-on-Wye	18·2	0	SWW	3	b-bc	59	65	49	7	1	-	5	1	2-3	3500
5	Hartland Point	17·5	+4	SW	3	c	58	85	54	8	5	7	-	7-8	9	2100
	Bristol ...	19·3	+4	SW	3	bc	59	65	49	8	1	-	5	2-3	4-6	2500
	Portland Bill ...	19·6	+2	SW	3	c	58	85	54	8	2	-	-	3	3	1000
	Plymouth ...	19·3	+2	SW'S	3	bc	58	85	55	8	8	3	1	4-6	4-6	2000
	The Lizard ...	18·4	+4	S'W	4	c	56	92	54	8	5	2	-	7-8	9+	1500
	Scilly (St. Mary's)	17·5	+1	SSW	4	c	58	85	54	8	5	7	3	2-3	9	1500
	Guernsey ...															
6	Pembroke ...	16·6	0	SW	4	c	57	97	57	8	8	7	-	7-8	9+	2500
7	Holyhead (Valley)	15·8	+18	S'W	6	c	57	92	53	7	5	7	-	9-	10	1000
	Chester (Sealand)	16·5	+4	SSW	4	c	58	75	50	7	5	-	-	10	10	2600
8	Manchester ...	17·1	+6	S'W	4	Zo	57	78	48	6	5	3	-	4-6	7-8	3000
10	Spurn Head ...	18·7	0	S'W	3	Zo	57	78	46	6	7	7	4	2-3	4-6	4000
	Catterick (Sc)...	16·3	+1	SSW	3	Zo	58	75	51	6	5	3	-	4-6	7-8	3500
	Tynemouth ...	15·1	+6	SW	4	m	58	78	51	4	-	3	1	0	4-6	3500
11	St. Abbs Head	11·5	+6	SW	6	c-bc	57	78	50	8	5	4	-	4-6	7-8	2000
	Leuchars ...	11·3	+12	SSW	5	c	59	85	54	8	5	7	-	4-6	9+	2400
12	Renfrew (Abbotsl.)	11·2	+14	SSW	4	ro ro	57	92	55	5	5	2	-	2-3	10	600
	Eskdalemuir ...	13·3	+8	S'W	6	ro ro	53	92	51	5	-	2	-	10	10	300
	Point of Ayre...	13·5	+6	WSW	5	c	59	85	53	8	6	7	-	4-6	10	1000
13A	Tiree	08·2	+18	SSW	3	do do	55	97	55	4	5	-	-	10	10	200
13B	Stornoway ...	06·6	+32	SW	3	c	57	85	51	8	8	7	-	4-6	9+	1800
15	Dalwhinnie ...	09·0	+16	SSW	4	ro	53	97	52	7	5	7	-	7-8	9+	1500
	Aberdeen ...	10·8	+12	SW	4	c	57	85	53	7	5	7	-	2-3	9+	2500
	Wick ...	07·4	+14	S	4	c	57	92	54	9	5	7	-	2-3	9+	1500
16	Sumburgh ...	07·0	+16	SSW	5	c	54	92	52	8	5	7	8	Tr	9+	1000
17	Blacksod Point	06·4	+6	SSW	4	dd	56	97	55	6	-	2	-	10	10	800
18	Malin Head ...	07·5	+10	SSW	4	c	57	92	55	8	5	-	-	9	9	1500
	Aldergrove ...	10·8	+10	SW	4	c	58	85	55	8	5	2	-	9	10	1500
19	Birr Castle ...	10·2	+6	S	3	c	60	85	56	8	8	2	-	7-8	10	1500
20	Valentia Obsy.	10·2	+6	S	5	c	57	92	55	7	5	-	-	10	10	1500
	Roches Point	13·4	+10	SSW	4	ido	56	97		7	3	-	-	10	10	800

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

Barom. at M.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 (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)
26·2	+10	SE	1	bf+	49	92	47	2	-	-	-	0	0	-	1	*
21·6	+6	S	1	bf	51	97	51	2	-	4	-	0	Tr	-	1	*
20·8	+8	SSW	2	b	51	85	47	8	-	-	5	0	Tr	-	1	*
20·7	+10	SSW	2	c-bc	51	85	48	7	5	-	-	7-8	7-8	3000	0	*
20·8	+8	-	0	Zo	52	92	51	5	-	-	5	0	1	-	1	*
21·5	+6	S	1	F	54	97	54	1	-	-	-	10	10	<150	0	§ 1
20·5	+4	S	2	F-	52	97	51	1	-	-	-	10	10	<150	1	*
21·5	+4	ESE	1	F+	52	92	51	1	-	-	-	10	10	<150	1	
21·1	+6	-	0	F+	48	97	48	1	-	-	-	10	10	<150	0	†
20·7	+2	SWS	1	m	53	92	50	4	-	-	-	0	0	-	0	
20·9	+10	SE	2	m	50	92	47	4	-	-	-	0	0	-	0	
20·2	+16	SSW	2	Zo	46	92	44	6	-	-	5	0	1	-	0	*
19·3	+8	S	2	Zo	55	85	51	5	5	-	-	9+	9+	1500	1	*
20·1	+10	SE	2	Zo	52	85	47	6	5	-	1	2-3	2-3	4000	1	*
19·2	+8	S'W	1	b	54	85	50	7	5	-	1	1	1	3500	1	*
18·5	+8	S	3	c/d	54	97	54	7	5	7	-	7-8	9+	1200	1	3
19·8	+6	S	2	Zo	53	85	49	6	-	4	1	0	4-6	-	1	*
21·3	+12	S	2	b-bc	56	85	52	8	1	-	-	2-3	2-3	4000	1	3
19·8	+4	SWS	3	bc	55	92	53	7	8	4	-	4-6	4-6	1800	0	2
18·5	+2	S'W	4	c	55	97	55	7	5	-	-	9+	9+	1000	1	4
17·3	-2	S	3	c	55	97	54	8	5	7	3	2-3	9	1200	1	3
16·7	0	SW'W	4	c	56	97	55	8	5	-	-	9+	9+	2500	0	3
16·6	+10	S'W	6	c	56	85	52	7	5	7	1	2-3	9+	600	1	5
18·0	+14	S	2	Zo	57	85	52	6	5	-	-	9+	9+	2500	0	*
18·2	+10	S	3	Zo	56	75	50	6	5	-	-	10	10	3000	1	*
19·7	+10	SSW	4	Zo	53	85	47	5	7	7	-	2-3	2-3	4000	0	3
17·8	+16	S	2	m	53	92	51	4	5	7	-	4-6	7-8	3000	0	*
17·2	+12	SSW	2	Zo	54	75	47	5	5	3	-	2-3	4-6	2500	1	2
13·7	+24	SSW	3	c	55	85	51	7	5	7	-	7-8	9+	2000	0	3
13·3	+12	SW	4	Zo	57	92	54	6	5	7	8	4-6	10	4000	1	*
12·9	+10	S'W	3	do do	57	92	55	5	5	2	-	7-8	10	800	1	*
14·8	+12	SE'S	4	df	53	92	52	2	-	2	-	10	10	1500	1	*
14·8	+8	W'S	3	c	57	92	55	8	6	7	-	4-6	10	1000	0	3
09·0	+6	S	3	dd	56	97	56	4	-	2	-	10	10	300	1	3
08·5	+10	S	1	ro	53	85	50	8	5	7	-	4-6	10	1400	1	1
11·0	+10	SE'E	6	o	53	92	51	7	5	-	-	10	10	1500	1	
13·1	+14	ESE	3	c/f	56	92	53	6	5	7	-	9	10	1500	1	2
10·3	+12	SSW	1	c	56	92	54	9	5	7	-	2-3	10	3000	1	
10·4	+12	SSW	4	c/r	53	97	52	6	5	2	-	9+	10	2500	1	3
07·4	+10	S'W	7	c	57	92	55	7	6	-	-	10	10	1500	2	4
08·5	+8	S'W	4	c-bc	59	85	55	8	8	-	-	7-8	7-8	1500	2	4
02·6	+14	SSE	3	c	57	92	55	8	5	-	-	10	10	2000	1	*
11·5	+8	S	3	c-bc	56	85	52	8	5	-	-	7-8	7-8	2500	1	*
10·4	+2	S'E	5	c	56	92	54	8	5	-	-	9	9	2800	1	4
13·6	+2	SSW	5	c	56	97	55	7	5	-	-	4-6	10	800	1	5

PAST 24 HOURS.

Weather. 7h.—13h. 27th (39)	13h.—18h. 27th (40)	18h. 27th to 1h. 28th (41)	1h.—7h. 28th (42)
ofe bm	bmfw	bfofew	ofew
fe bfe	bfebcfbf	ofe	of
ofefb.mob	bloylo	bmofFe	bfeofe
cmo xbmoc	cbc	bfe	bfb fcmo
bmob	bbmo	bmbcm	cm
cmbcmo	bcmbfFw		offF
ofef	cmoofFe	ofe	ofdo
fe	fe	Fe	om
fe	fe	FF	FFom
bfmz	bzy	bffw	bfw
ofof	bmobbm	bmfbFw	bFfoFe
bmob	bcbmo	bmbbm	bFbfbF
bcczo	bczobc	bcmobfw	bfofw
bifmow	bccbo	bbw	bwbcb
cbcmob			
c	cid	cidbc	bcide
cmwbmbc	bccbc	bcmobmw	bmwbcow
bcc	bcbc	bc	c
	c	bcb	bbmob
c		idcbc	bccw
c	c	cbcw	bcWc
c	c	cdo	bcq
		bcc	bbbc
cido	cmo	cmo	cbcmo
cmoc	czo	czocmo	bmcmmo
bcczo			
bcmo	bcmo	bmo	bcmo
cfcmczo	cmo	cm	cmof
cbcm	bcmmo	bcmo	bccom
c	c	c	c
c	ccmo	cmbcmobcmo	bcc
c	ciro	erorcmrrc	emobv
			oirof
oiro	oiro		
e	ciroczobp	czo	czoc
c	c	cirocidoc	bcc
c	croroc	cromo	c
d	d	c	r
r	r	bc	bc
ciroc	c	c	c
o	c	c	c
r	c	r	r
d	d	c	d

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 28th October

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light southeast wind; cloudy; mist or fog night and morning: rather cold.
5 S.W. England 6 South Wales 7 North Wales	Light or moderate south wind; bright intervals; local fog night and morning: rather warm.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light or moderate south or southeast wind; cloudy periods; local fog: rather cold.
12 S.W. Scotland & Isle of Man	Moderate south wind fresh locally; cloudy; local drizzle rather warm.
13A W. Scotland ... 13B N.W. Scotland	Moderate or fresh south winds, strong on coasts; cloudy occasional rain: rather warm.
14 Mid Scotland 15 N.E. Scotland	Moderate south wind, fresh locally: cloudy periods: rather warm.
16 Orkneys and Shetlands	As 14-15.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 13A - 13B.

GENERAL INFERENCE

Pressure is high to east of the British Isles and depressions are moving north or north-northeast off our western seaboard. There will be occasional rain in Ireland, but in England weather will be dry, although there will be much cloud at times with local fog.

FURTHER OUTLOOK

little change.

Forecasts issued at 1030

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

7h. Thursday 28th October 1943.

10° 5°W. 0° 5°E 10°

60° 55° 50°

LOW

HIGH

998 1000 1002 1004 1006 1008 1010 1012 1014 1016 1018 1020 1022 1024

Mb. In.

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

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

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

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

Ps. 523/4556. Wt. 8091. D. 4545. Gp. 946/2. 7440. 10/43.

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, 28th October

1943.

Lambert'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 28th October 1943 — No. 29925

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

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	22·6	-2	J	1	bF-	48 49	97	49	1	-	-	-	0	0	-
	Croydon ...	290	22·4	0	SE'S	1	bF+	48 49	97	49	1	-	-	-	0	0	-
	S. Farnborough	226	22·4	0	SE'S	1	bF+	48 49	97	49	1	-	-	-	0	0	-
	Boscombe Down	417	21·7	-2	E	3	bf	43	97	43	3	-	-	-	0	0	-
	Thorney Island	10	21·4	-2	ENE	1	m	42	97	42	4	S	-	-	2-3	2-3	2500
	Lympne ...	283	22·6	0	-	0	f	51	97	51	2	-	-	-	10	10	<150
	Manston ...	154	22·3	+2	-	0	F	49	97	49	1	-	-	-	10	10	<150
2	Shoeburyness ...	11	22·7	+4	-	0	f-	49	97	49	2	-	-	-	10	10	<150
	Felixstowe ...	12	21·6	+10	-	0	bf	47	92	45	3	-	-	-	0	0	-
	Gorleston ...	5	21·6	+10	-	0	bf	47	92	45	3	-	-	-	0	0	-
	Mildenhall ...	15	22·1	+2	SE	2	bF-	39	97	39	1	-	-	-	0	0	-
	Cranwell ...	203	21·4	+2	SSW	1	m	42	97	41	4	-	-	-	0	0	-
3	Birmingham ...	535	21·8	+6	-	0	bF+	42	97	42	1	-	-	-	0	0	-
	Upper Heyford	408															
4	Ross-on-Wye	223															
5	Hartland Point	299	18·9	0	S	3	bc	52	97	52	8	1	-	-	4-6	4-6	2500
	Bristol ...	209	21·1	+2	S'E	1	2o	48	97	48	6	-	-	-	0	0	-
	Portland Bill ...	32	20·7	-8	S	2	b-bc	57	85	53	8	1	-	7	2-3	2-3	4000
	Plymouth ...	86	20·7	+2	SE	1	c-bc	48	97	48	6	5	2	-	4-6	7-8	1500
	The Lizard ...	240	18·7	+2	SSE	4	bc	54	92	52	7	4	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	17·6	-2	S'E	5	b-bc	55	97	54	8	5	-	-	2-3	2-3	1200
	Guernsey ...	175															
6	Pembroke ...	142	18·5	0	S	5	c	56	97	55	8	8	-	-	9+	9+	1500
7	Holyhead (Valley)	32	17·9	+2	S	5	c	55	92	53	7	5	-	-	10	10	4000
	Chester (Sealand)	16	19·2	-2	S	1	2o	53	85	50	6	5	-	-	7-8	7-8	3100
8	Manchester ...	230	19·5	-2	S'E	3	2o	52	85	48	6	5	-	-	2-3	2-3	3000
10	Spurn Head ...	29	21·3	+6	SSW	3	2o	49	92	47	6	-	-	-	0	0	-
	Catterick (Sc) ...	192	19·1	0	SSE	1	m	53	92	51	4	5	7	-	7-8	9+	3900
	Tynemouth ...	108	19·0	+4	SSW	3	2o	52	92	49	5	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	16·1	+28	S	4	c-bc	54	85	50	7	4	-	-	7-8	7-8	2500
	Leuchars ...	36	15·7	+6	SW	2	2o	55	92	53	6	5	1	-	4-6	7-8	3500
12	Renfrew (Abbotsl.)	19	15·5	+10	S'W	4	2o	57	85	52	5	5	2	-	9	10	1000
	Eskdalemuir ...	794															
	Point of Ayre ...	30	17·1	+6	SW	3	c	57	85	52	7	6	-	-	9+	9+	1000
13A	Tiree	44	11·4	+8	S'E	4	c-bc	55	97	53	8	5	3	-	4-6	7-8	2500
13B	Stornoway ...	12	08·6	+2	S	6	c	57	85	53	7	5	-	-	10	10	1500
15	Dalwhinnie ...	1176															
	Aberdeen † ...	79	14·5	-6	SSE	3	c	54	92	52	8	5	2	-	7-8	10	1100
	Wick ...	114	11·9	+10	S	3	c	57	92	54	8	5	1	-	2-3	10	1500
16	Sumburgh ..	19	12·0	-1	SSE	2	c/r	52	97	52	6	5	7	-	7-8	10	1000
17	Blacksod Point	18	07·5	-4	S	6	c	58	75	50	7	5	-	-	9+	9+	1500
18	Malin Head ...	84	10·2	-4	S	5	c-bc	55	75	48	8	8	-	-	7-8	7-8	1500
	Aldergrove ...	268	14·6	+12	S'E	3	c	54	85	50	8	5	-	-	10	10	3400
19	Birr Castle ...	173															
20	Valentia Obsy.	30	09·2	-10	S'E	6	c	56	85	51	8	5	-	-	10	10	2400
	Roches Point	22	13·3	-6	S	6	c	55	92	53	8	5	1	-	4-6	10	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	22·8	+6	NNE	1	F	49	97	48	1	-	-	-	10	10	<150	1	*
	Croydon ...	23·2	+4	-	0	F	49	97	49	1	-	-	-	10	10	<150	1	*
	S. Farnborough	23·5	+10	-	0	F	41	87	40	1	-	-	-	10	10	<150	1	*
	Boscombe Down	22·0	0	E'S	3	2o	45	97	45	5	5	7	-	9	10	2500	1	*
	Thorney Island	22·1	+10	E'N	1	m	49	97	49	4	5	-	-	7-8	7-8	4000	1	*
	Lympne ...	23·4	+8	NE'N	1	F+	49	97	49	1	-	-	-	10	10	<150	0	2
	Manston ...	23·0	+6	-	0	f	49	97	49	2	-	-	-	10	10	<150	1	*
2	Shoeburyness ...	22·7	+4	S'E	1	m	50	97	50	4	5	-	-	10	10	450	1	*
	Felixstowe ...	23·0	+6	WSW	1	m/f	51	97	51	4	5	-	-	10	10	450	1	1
	Gorleston ...	21·9	+4	-	0	bf	39	97	38	2	-	-	-	0	0	-	0	2
	Mildenhall ...	23·2	+10	-	0	F	46	97	46	1	-	-	-	10	10	<150	1	*
	Cranwell ...	22·6	+10	W'S	1	F+	38	97	37	1	-	-	-	10	10	<150	1	*
3	Birmingham ...	22·0	0	SE	1	F	44	97	43	1	-	-	-	10	10	<150	1	*
	Upper Heyford	22·4	+6	-	0	bF-	38	97	38	1	-	-	-	0	0	-	1	*
4	Ross-on-Wye	20·8	0	SW	2	fg	46	97	45	6	5	-	1	Tr	2-3	2500	1	*
5	Hartland Point	18·7	+4	SW	3	id$_o$	52	97	52	7	5	2	-	7-8	9	2000	1	3
	Bristol ...	21·4	-2	SE	1	f+	45	97	45	3	-	-	-	10	10	<150	1	*
	Portland Bill ...	20·6	+2	S	3	c-bc	57	85	53	7	5	-	-	7-8	7-8	4000	1	3
	Plymouth ...	19·8	0	SSE	2	2o	53	92	51	6	5	-	6	2-3	9	1200	0	1
	The Lizard ...	18·6	+4	SSE	1	c	54	92	52	7	5	-	-	9	9	1500	0	4
	Scilly (St. Mary's)	16·9	+8	SE'S	5	c-bc	54	97	53	7	5	4	5	4-6	7-8	1200	1	4
	Guernsey ...																	
6	Pembroke ...	18·7	+2	S'E	4	bcq	55	97	53	8	2	7	-	2-3	4-6	2500	0	4
7	Holyhead (Valley)	17·9	+2	S'E	4	bc	53	85	49	8	5	4	2	2-3	4-6	2500	1	4
	Chester (Sealand)	19·7	-2	S	2	2o	47	92	45	6	5	4	6	2-3	9	3000	0	*
8	Manchester ...	20·5	+4	SE	3	2o	47	92	46	5	5	4	2	Tr	2-3	1000	0	*
10	Spurn Head ...	22·6	+10	ESE	3	2o	48	92	46	6	4	-	-	2-3	2-3	4000	1	1
	Catterick (Sc) ...	21·0	+14	SSE	2	F+	45	97	45	0	-	-	-	10	10	<150	1	*
	Tynemouth ...	20·0	+2	SSW	3	m	49	92	49	4	-	4	-	0	2-3	-	1	2
11	St. Abbs Head	17·5	+2	S	3	c	53	85	49	7	5	2	-	7-8	9	3500	0	3
	Leuchars ...	16·8	+2	SSW	3	id$_o$	55	85	51	7	5	7	-	9	10	1800	1	*
12	Renfrew (Abbotsl.)	16·0	+6	SSE	2	c	56	75	49	7	5	2	-	9	10	1400	1	*
	Eskdalemuir ...	17·7	0	S'W	3	c	51	92	49	6	5	1	-	10	10	700	1	*
	Point of Ayre ...	17·8	+10	SW	4	c-bc	56	85	51	8	5	7	-	4-6	7-8	1600	0	3
13A	Tiree	11·4	0	S'E	5	c-bc	55	92	52	8	5	2	8	4-6	7-8	3000	1	4
13B	Stornoway ...	09·6	+2	S	7	c	56	86	50	7	5	2	-	8	10	1500	1	4
15	Dalwhinnie ...	13·0	0	S	4	c	51	85	46	7	5	-	-	9+	9+	2500	0	*
	Aberdeen † ...	16·1	+8	SSW	3	c	58	85	49	7	5	3	-	2-3	9+	1500	1	2
	Wick ...	13·1	+2	S	2	c	55	92	53	8	5	7	-	2-3	9+	4500	1	*
16	Sumburgh ..	12·9	+8	S'W	3	c-bc	53	92	52	7	5	4	2	2-3	7-8	3000	1	3
17	Blacksod Point	06·9	0	S	6	RR	54	92	52	7	6	2	-	4-6	10	1500	2	5
18	Malin Head ...	10·3	+10	S	5	c-bc	55	85	51	8	8	-	-	7-8	7-8	1500	2	4
	Aldergrove ...	14·3	+4	S	4	c	55	85	50	7	5	-	-	10	10	3200	1	*
19	Birr Castle ...	11·5	+2	S	3	c-bc	55	85	51	8	8	-	-	7-8	7-8	1500	1	*
20	Valentia Obsy.	08·1	-6	S'E	6	c/r	56	92	54	7	5	-	-	10	10	1200	1	5
	Roches Point	12·5	-2	S	6	c-bc	55	92	53	8	5	-	-	7-8	7-8	1500	1	5

PAST 24 HOURS.

District	Stations	Temperatures. Max. Day 7h–18h °F. (33)	Temperatures. Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 27th Hrs. (38)
1	London (Kew)	56	43	33	Tr	0·2	3·9
	Croydon ...	56	47	46	Tr	0·3	3·9
	S. Farnborough	62	37	29	-	0·1	5·8
	Boscombe Down	60	38	34	-	Tr	6·7
	Thorney Island	62	42	36	-	-	*
	Lympne ...	59	49	45	-	-	6·9
	Manston ...	56	49	48	Tr	Tr	0·9
2	Shoeburyness ...	52	49	41	Tr	0·2	0·0
	Felixstowe ...	51	42	47	-	0·4	0·0
	Gorleston ...	61	41	35	-	-	0·7
	Mildenhall ...	60	36	34	-	0·1	1·1
	Cranwell ...	59	33	28	-	-	7·8
3	Birmingham ...	60	43	38	-	-	6·3
	Upper Heyford	59	37	35	-	0·1	*
4	Ross-on-Wye	61	43	31	-	-	6·9
5	Hartland Point	58	48	46	0·1	Tr	5·0
	Bristol ...	61	53	28	-	Tr	6·8
	Portland Bill ...	58	52	*	-	-	*
	Plymouth ...	60	47	42	-	-	4·8
	The Lizard ...	57	53	*	-	Tr	0·3
	Scilly (St. Mary's)	58	54	*	-	0·1	1·6
	Guernsey ...						
6	Pembroke ...	57	54	*	-	Tr	0·0
7	Holyhead (Valley)	57	52	50	Tr	Tr	*
	Chester (Sealand)	59	45	37	-	-	0·8
8	Manchester ...	59	47	41	-	-	*
10	Spurn Head ...	57	47	*	-	Tr	8·5
	Catterick (Sc) ...	60	44	42	-	-	8·2
	Tynemouth ...	59	49	46	-	-	*
11	St. Abbs Head	58	54	*	-	-	*
	Leuchars ...	59	49	39	-	Tr	0·0
12	Renfrew (Abbotsl.)	57	55	49	6	0·4	0·0
	Eskdalemuir ...	53	46	46	5	4	0·0
	Point of Ayre ...	55	54	*	-	-	0·0
13A	Tiree	56	54	52	7	0·3	0·0
13B	Stornoway ...	58	50	50	0·4	5	0·8
15	Dalwhinnie ...	54	50	48	0·5	0·1	0·0
	Aberdeen † ...	58	52	49	Tr	-	0·0
	Wick ...	58	52	42	-	2	*
16	Sumburgh ..	55	52	50	0·4	0·3	0·0
17	Blacksod Point	57	54	*	7	7	*
18	Malin Head ...	59	53		1	-	0·0
	Aldergrove ...	59	53	49	0·4	-	0·0
19	Birr Castle ...	60	55	53	-	*	0·0
20	Valentia Obsy.	57	55	53	1	8	0·0
	Roches Point	57	55	*	1	0·2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 27th Oct. — 18h. G.M.T. — 01h. G.M.T. 28th Oct — 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	57	02764	17327	57	05665	00026	52	02655	16466	57	02755	16317
135	--	67109	20469	52	02844	20127	87	02844	20366	22	02814	20427
203										5-	02847	16527
206	57	02944	22526	57	22851	18267	57	02854	20428	57	02964	10427
210	57	02965	16527	57	02966	16328	57	01864	12214	57	02863	15827
219	57	02874	20457	62	62848	12168	52	02746	16668	52	02756	16628
230	5-	58626	18268	5-	22645	14268	5-	02855	16225	57	02856	16228
245	52	02755	18268	57	02754	18325	07	05690	18213	57	02755	18317
260	57	02764	12525	57	05555	16528	57	08454	16224	57	05655	20226
278												
279	57	02865	51427	57	02845	18458	57	02864	18367	5-	02857	17127
285	27	02746	24527							13	01843	16315
288	03	08490	17425	07	05690	16342	5-	05565	16315	04	05680	14343
575	52	21835	18358	57	02844	14227	54	02744	47414	57	02742	47427
301	53	05654	14326	53	08465	14226	5-	05667	16227	50	05541	12324
321	00	05590	12543	57	08456	16227	50	08454	14224	--	44109	16245
299	50	05652	22312	00	05690	22300	50	05653	22103	00	05690	22200
292	94	08490	12342	5-	05667	16227	5-	08455	14125	--	48009	00049
310	27	01625	24415							--	03209	20119
614	00	05490	22313	57	08466	16328	50	08462	18112	--	48009	10149

13h. G.M.T. 27th Oct. — 18h. G.M.T. — 01h. G.M.T. 28th Oct — 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				57	05632	16328	51	05646	15427	57	02865	48417
334												
340	53	02663	16316	57	05655	18227	00	47390	16240	5-	47325	16315
136	00	05690	20241	00	04530	12100	00	04490	00000	--	46109	00049
330	57	02754	24317	53	51646	20258				53	02753	16314
350	5-	02755	18115	07	05690	20113	00	47390	00000	00	43190	14140
368	53	02874	20125	**	01863	20224	00	00690	20100	53	05435	12316
379	50	05643	20344	53	02754	20226	00	45190	20140	54	43164	44244
390	--	46009	00049	--	48009	00049	--	46009	00049	--	44109	16149
382	5-	02853	17115	07	05690	16111	00	47190	00040	--	44109	00049
438	51	05554	05115	5-	05555	21115	52	05546	12218	5-	05557	00027
430	17	01751	22113				03	08490	00003	5-	05568	00028
409	57	02853	16328	57	51625	15357	54	05652	15303	84	02754	15415

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
$C_L C_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (3 = E, 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.
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 ...	oFebm	bmfw	b,ofew	Kew 24 hours 7h. 27th 1·0 0224
Croydon ...	Febfe	bfebcf	ofeof	
Greenwich ...	Febf	bff	FeFodd.	
Camden Square ...	o	o	*	
Kensington ...	bczF	ofe	of	Min. 3·7h 28th 0·3
Hampstead ...	ofbc	of		

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 ...	56	43	33	Tr	0·2	3·9	*	*
Croydon ...	56	47	46	Tr	0·3	3·9	*	*
Greenwich ...	56	47	36	-	0·3	2·2	89	99
Westminster ...	59	47	42	0·1			79	98
Regents Park ...	57	47	37	-	-		78	97
Camden Square ...	58	47	39	-	-		*	99
Kensington ...	57	47	37	-	Tr	*	92	99
Hampstead ...	57	46	38	-	-		*	69

SECRET

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

Friday 29th October 1943 — No. 29926

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

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)	22·3	-2	S'E	1	z_o	55	85	51	6	5	7	-	7-8	10	2500
	Croydon ...	22·4	-4	SE	2	z_o	56	85	52	5	5	-	-	7-8	7-8	2000
	S. Farnborough	22·8	-2	SSE	2	z_o	57	85	53	5	7	3	-	7-8	9	1000
	Boscombe Down	22·1	+2	S'W	3	z_o	56	85	50	6	8	-	-	9	9+	2000
	Thorney Island	22·5	+2	S'E	3	z_o	58	85	52	6	5	-	-	9+	9+	2500
	Lympne ...	22·9	-8	E	1	z_o	55	85	50	5	-	8	-	0	7-8	-
	Manston ...	22·7	-6	NE	1	z_o	55	92	53	6	5	3	8	4-6	9	2500
2	Shoeburyness ...	23·5	-6	S'E	1	o	52	92	49	5	5	-	-	10	10	700
	Felixstowe ...	23·0	-6	ENE	1	z_o	53	97	51	5	5	-	-	10	10	800
	Gorleston ...	23·5	+2	-	0	F	50	92	48	1	-	-	-	10	10	<150
	Mildenhall ...	23·3	-2	SSE	2	z_o	51	97	51	5	5	-	-	10	10	700
	Cranwell ...	23·0	+4	SSE	1	F	46	97	46	1	-	-	-	10	10	<150
3	Birmingham ...	22·3	0	S	3	c	53	92	51	7	5	-	-	9+	9+	800
	Upper Heyford	22·6	0	N	1	f	49	97	49	2	-	-	-	10	10	<150
4	Ross-on-Wye	21·1	-4	S'W	3	z_o	58	75	54	6	7	-	2	2-3	7-8	2000
5	Hartland Point	19·5	-7	S	3	bc	57	85	53	8	1	-	6	4-6	4-6	2800
	Bristol ...	21·7	-4	SSE	2	bc	58	75	50	7	5	-	2	2-6	4-6	4000
	Portland Bill ...	21·5	+6	SE	3	c-bc	57	85	53	8	2	-	-	7-8	7-8	4000
	Plymouth ...	20·9	+4	S'E	2	c-bc	57	85	46	8	8	-	4	4-6	7-8	2500
	The Lizard ...	19·6	-4	SSE	4	bc	58	85	54	7	5	4	-	2-3	4-6	3900
	Scilly (St.Mary's)	17·9	-4	SSE	5	c	56	92	53	6	5	-	-	9+	9+	1000
	Guernsey ...															
6	Pembroke ...	18·7	-4	S'E	5	bcq	57	92	54	8	2	7	-	2-3	4-6	2500
7	Holyhead (Valley)	18·8	-8	SE	5	c-bc	59	75	51	7	5	3	6	4-6	7-8	2000
	Chester (Sealand)	20·4	-6	S'E	2	z_o	58	85	52	6	5	3	-	4-6	9+	3500
8	Manchester ...	21·5	0	SE	3	z_o	53	85	49	6	5	3	2	9	10	2000
10	Spurn Head ...	23·1	+6	SSE	2	F	51	92	49	0	-	-	-	10	10	<150
	Catterick (Sc.) ...	21·8	+4	SSE	2	c-bc/f	51	97	51	4	5	3	-	4-6	7-8	4000
	Tynemouth ...	21·5	0	SSE	3	m	52	85	48	4	5	-	-	9+	9+	2200
11	St. Abbs Head	18·3	+2	S	2	c	56	75	47	7	2	4	-	4-6	9+	3000
	Leuchars ...	18·1	-2	SW	4	c-bc	57	86	51	7	7	7	-	4-6	7-8	3000
12	Renfrew (Abbotsl.)	17·3	+2	SSW	3	c	57	75	50	8	5	-	-	9+	9+	1800
	Eskdalemuir ...	18·6	0	S	4	c	54	75	47	7	5	7	-	7-8	10	1600
	Point of Ayre ...	18·6	+16	SW'S	4	c	58	75	50	6	8	-	6	4-6	9+	2000
13A	Tiree	11·7	0	S'E	4	c/f	55	86	52	7	5	7	-	9+	10	2000
13B	Stornoway ...	09·2	-8	S	7	d_o	56	85	51	7	5	2	-	7-8	10	1400
15	Dalwhinnie ...	14·5	+2	SSW	4	c	57	85	52	8	5	4	1	7-8	9+	2500
	Aberdeen ...	17·4	+2	S	4	c	56	85	50	7	5	7	-	1	9+	1500
	Wick ...	13·7	-2	SSE	3	c	55	85	51	8	5	7	-	Tr	10	2000
16	Sumburgh ...	14·1	+2	S	4	c	54	92	51	6	5	8	2	Tr	9	1200
17	Blacksod Point	07·4	+10	S'W	6	2)	58	85	54	6	-	2	-	10	10	800
18	Malin Head ...	10·4	+2	SSW	5	c	56	85	52	8	8	-	-	9+	9+	1500
	Aldergrove ...	14·9	+2	SSE	3	c	56	85	50	8	5	2	-	9	10	2000
19	Birr Castle ...	12·8	+4	S	3	c	58	75	51	8	8	2	-	7-8	10	1500
20	Valentia Obsy.	09·9	+10	S'E	6	ir	56	97	55	6	6	-	-	10	10	700
	Roches Point	14·4	+6	S	6	c	57	92	55	8	5	-	-	9	9	1500

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

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)	23·1	+8	ENE	2	f	52	92	50	3	-	-	-	10	10	<150	1	*
	Croydon ...	23·6	+2	E	1	bf+	51	97	50	3	3	-	-	9	9	1000	1	*
	S. Farnborough	22·8	+2	-	0	bf+	52	92	50	2	5	4	-	1	1	3000	1	*
	Boscombe Down	22·3	+6	SE'S	3	z_o	48	97	48	6	-	-	-	0	0	-	0	*
	Thorney Island	22·7	+4	E	1	z_o	52	92	51	4	5	-	-	2-3	2-3	2500	1	*
	Lympne ...	23·4	+10	NE	2	m	52	92	50	4	5	-	-	10	10	2700	0	§
	Manston ...	23·4	+2	NW'N	1	m	54	92	52	4	5	-	-	10	10	700	1	*
2	Shoeburyness ...	23·7	-2	N'W	1	z_o	51	92	48	5	5	2	-	9+	10	1500	1	*
	Felixstowe ...	23·5	+2	N'W	1	z_o	52	97	51	5	5	-	-	10	10	1500	0	1
	Gorleston ...	23·7	0	-	0	F	51	97	50	1	-	-	-	10	10	<150	1	1
	Mildenhall ...	23·9	+6	SE'S	1	z_o	50	97	48	5	5	-	-	10	10	600	1	*
	Cranwell ...	23·1	+2	SSE	2	F+	46	97	46	1	-	-	-	10	10	<150	1	*
3	Birmingham ...	22·5	+2	SE	1	bf+	50	97	50	2	5	-	-	10	10	1500	1	*
	Upper Heyford	22·4	0	ESE	1	if	50	97	49	4	5	-	1	Tr	2-3	1500	1	*
4	Ross-on-Wye	21·3	+4	SE	2	z_o	52	85	48	6	5	-	1	2-3	2-3	2500	1	*
5	Hartland Point	19·8	+8	S	3	bc	52	97	51	8	1	4	6	Tr	4-6	2800	1	3
	Bristol ...	22·0	+6	SE	1	z_o	49	85	45	6	4	-	1	Tr	2-3	4000	1	*
	Portland Bill ...	21·8	+8	E	3	c-bc	51	85	48	8	2	-	-	7-8	7-8	4000	1	3
	Plymouth ...	21·2	+4	SSE	1	b-bc	53	92	51	6	5	4	-	Tr.	2-3	2500	0	1
	The Lizard ...	19·7	+2	SSE	4	bc	53	97	52	8	5	-	-	4-6	4-6	2000	0	4
	Scilly (St.Mary's)	18·1	+2	SSE	5	c-bc	54	97	53	6	5	-	7	7-8	7-8	1200	1	4
	Guernsey ...																	
6	Pembroke ...	19·2	+4	S'E	5	c-bc	56	92	53	8	2	4	-	4-6	7-8	2500	0	4
7	Holyhead (Valley)	19·3	+2	SSE	5	c-bc	54	85	50	7	-	4	6	0	7-8	-	1	4
	Chester (Sealand)	20·7	+6	SSE	4	m	52	85	49	4	-	4	2	0	2-3	-	0	*
8	Manchester ...	21·5	+6	SSE	3	m	51	92	49	4	-	-	2	0	4-6	-	1	*
10	Spurn Head ...	23·5	+4	SSE	3	F	48	97	48	0	-	-	-	10	10	<150	1	3
	Catterick (Sc.) ...	21·5	-8	SSE	1	dr	40	97	39	2	-	-	-	10	10	<150	1	*
	Tynemouth ...	20·9	+8	S	3	m	53	85	49	4	5	-	-	7-8	7-8	2500	1	2
11	St. Abbs Head	18·7	+8	SSE	6	c-bc	51	85	46	6	5	7	-	4-6	7-8	2500	0	3
	Leuchars ...	18·3	+2	SSE	2	z_o	55	85	50	6	5	7	-	7-8	9+	3000	1	*
12	Renfrew (Abbotsl.)	17·4	+6	S	3	z_o	56	75	49	5	5	-	6	7-8	9+	1800	1	*
	Eskdalemuir ...	18·6	+4	S'E	2	c	48	85	45	7	5	-	-	9+	9+	1400	1	*
	Point of Ayre ...	19·0	+6	SW	4	c	56	85	51	7	6	-	7	1	10	1000	0	3
13A	Tiree	12·3	+10	S	6	$r_o r_o$	55	92	53	6	6	-	-	10	10	1000	1	4
13B	Stornoway ...	09·6	+6	S	7	rr	54	97	53	6	6	2	-	7-8	10	700	2	5
15	Dalwhinnie ...	15·0	+6	S	4	c	51	85	46	7	5	-	2	7-8	9+	2500	-0	*
	Aberdeen ...	17·1	+4	SSW	4	z_o	53	85	48	6	5	7	-	Tr	9+	1500	1	3
	Wick ...	13·2	-4	S'W	5	c	55	85	51	8	5	-	-	9+	9+	5000	1	*
16	Sumburgh ...	14·1	+2	S	5	c	53	85	50	8	5	7	6	Tr	9+	1000	1	3
17	Blacksod Point	09·1	+18	S'W	7	ir_o	57	92	55	7	6	-	-	10	10	1500	2	6
18	Malin Head ...	12·1	+18	S'E	4	c	57	85	53	8	5	-	-	10	10	1500	2	4
	Aldergrove ...	15·5	+10	SE'S	4	c-bc	55	85	50	8	5	7	-	4-6	7-8	2000	1	*
19	Birr Castle ...	13·5	+8	S'W	4	c	51	75	44	8	8	7	-	7-8	9	1500	1	*
20	Valentia Obsy.	11·6	+14	S'E	5	rr	55	97	55	6	6	-	-	10	10	700	1	4
	Roches Point	15·4	+6	S	6	c	56	97	55	8	5	-	-	9	9	1500	1	5

PAST 24 HOURS. — WEATHER.

District	Stations	7h.—13h. 28th (39)	13h.—18h. 28th (40)	18h. 28th–1h. 29th (41)	1h.–7h. 29th (42)
1	London (Kew)	o F fc m$_o$ w	bc o f f w	bo f f W	o f f W
	Croydon ...	o F e a m b o m$_o$	b c m$_o$ b z c n c f	c f o F	o F
	S. Farnborough	o F e f c m$_o$	c m$_o$ c c m$_o$ f e	bo Fe	o Fe
	Boscombe Down	c m$_o$ c	c m$_o$ b m$_o$	bf b F W	c f b c m o W
	Thorney Island	c j f u c m$_o$ c	c m$_o$ b c m	b c m c, b m W	b c m W
	Lympne ...	b c m$_o$ c m$_o$	c m$_o$ c m	c m W	c v W
	Manston ...	o f e c m$_o$	c m$_o$ m	c m o	c m$_o$
2	Shoeburyness ...	o m o f	o m$_o$ c m$_o$	c m o	o F F
	Felixstowe ...	o m$_o$ c m	c o m$_o$	o m o m W	b f e c m o W
	Gorleston ...	o f f e	o f f e	o f f e b c$_o$ z$_o$	d c z c f
	Mildenhall ...	o F e a f c m$_o$	c m$_o$	c m	c f o f o F e
	Cranwell ...	b F	F	Fe	e d F
3	Birmingham ...	F b c c$_o$	c m$_o$	c f	f o m
	Upper Heyford	c f w o f	o f b c m c m	F o F W	o f o F W
4	Ross-on-Wye	c o m$_o$ b c c	b c z$_o$	b m o W	b f F
5	Hartland Point	c i d$_o$	b c.	b c b	b
	Bristol ...	o f w c z$_o$	b c b	b m$_o$ m W F	o F F
	Portland Bill ...	c	c	c b c	i c
	Plymouth ...	b c c	b c	b m o W	b c m o W
	The Lizard ...	c b c	b c c b c	b c W	b c W
	Scilly (St.Mary's)	c b c c	c	c b c b b	b W
	Guernsey ...				
6	Pembroke ...	c b c	c	b c W	b c c
7	Holyhead (Valley)	e b c	b c c	b b c b m$_o$	b m o W
	Chester (Sealand)	c b c c m$_o$	c m$_o$ z$_o$	c m o f f	o f f c m
8	Manchester ...	b b c m$_o$	c b c m$_o$ m	b, c m	c m m$_o$
10	Spurn Head ...	F	f e	f e	o m$_o$
	Catterick (Sc.) ...	o F o f	c m o f	o f	o f
	Tynemouth ...	b f f c m	c m	e m$_o$	o m
11	St. Abbs Head	c c m$_o$ c	c m$_o$	c m o b c m$_o$	b c m$_o$ c m
	Leuchars ...	c d e m$_o$ c	c c m$_o$	b c m$_o$ c m$_o$ b c m$_o$ c, w	
12	Renfrew (Abbotsl.)	c d o b m$_o$ c	c c m$_o$	c m o b c m$_o$	b c, c m o
	Eskdalemuir ...	c	c	c	c
	Point of Ayre ...	c	c	c	b b c c
13A	Tiree	c r$_o$ r$_o$ m$_o$ c	c r m$_o$ c r$_o$ m$_o$	c v b r$_o$ m$_o$ c i r$_o$	c r$_o$ r$_o$ m o i r$_o$
13B	Stornoway ...	c c i d c d d$_o$	c r$_o$ r$_o$ m$_o$ c r r	c r r i r$_o$ c i r$_o$	c v b r$_o$ m o
15	Dalwhinnie ...	c	c	*	c o i r$_o$ c
	Aberdeen ...	c	c z$_o$	c z$_o$	c b c W z o
	Wick ...	c	c r$_o$ c	c c i r$_o$ c	c b c
16	Sumburgh ...	c	c	c i r$_o$	c r$_o$ i r$_o$ c
17	Blacksod Point	d	r	r	c
18	Malin Head ...	pr	pr	c	b c
	Aldergrove ...	c	c	c	c b c
19	Birr Castle ...	e	e	*	c
20	Valentia Obsy.	f	r	r	c
	Roches Point	c	c	b c	b c

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 29th October

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light variable or easterly winds. Cloudy and dull, with fog persisting locally throughout period, and becoming somewhat more general to-night. Rather cold.
5 S.W. England South Wales 7 North Wales 8 N.W. England	Light or moderate southeasterly winds. Variable cloud amounts, with appreciable breaks in the west; local fog to-night with more general fog in East Wales. Rather cold.
9 N. Midlands ... 10 N.E. England	As 1-4
11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland	Light or moderate southerly winds, fresh to strong at first in northwest. Variable cloud amounts with local drizzle at first in northwest. Fairly general fog to-night and to-morrow morning in Clyde – Forth area. Rather cold.
15 N.E. Scotland	Light or moderate south to southwest winds. Partly cloudy; local drizzle in North Shetland. Rather cold.
16 Orkneys and Shetlands	Light or moderate south to southwest winds. Partly cloudy; local drizzle in North Shetland. Rather cold.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh south to southeast winds, moderating. Partly cloudy; rather cold.

GENERAL INFERENCE

Pressure is high to the east and low to the northwest and southwest of the British Isles. Weather will be dull over most of England and East Wales, with some fog, and fog will develop to-night in the Clyde-Forth valley. Weather will be mainly fair elsewhere. Rather cold generally.

FURTHER OUTLOOK

No appreciable change.

Forecasts issued at 1030.

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

7h. Friday 29th October, 1943.

10° 5°W. 0° 5°E. 10°

60° 55° 50°

LOW

HIGH

1012 1014 1016 1018 1020 1022 1024 1026

Mb. In.
1050 31
1040
1030
1020
30
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 tenths mbs.
Dew Point °F
Weather in past hour
Low cloud
Past weather
Amount of Low cloud
Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

Scale 1.: 5,000,000

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

Ps.523/4556. Wt. 8091. D. n545. Gp. 946/2. 7440. 10/43.

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 29th October

1943.

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
BRITISH SECTION OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Friday 29th October 1943 — No. 29926

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

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	*	*	*	*	*	50	*	*	*	*	*	*	*	*	*
	Croydon ...	290	24·6	+2	NE	1	F+	49	97	49	1	-	-	-	10	10	<150
	S. Farnborough	226	23·4	+2	-	0	F	45	97	45	0	-	-	-	10	10	<150
	Boscombe Down	417	23·5	+2	E'S	3	cF-	46	97	46	3	S	-	-	9	9	1700
	Thorney Island	10	23·4	+2	ENE	2	2o	50	97	50	S	S	-	-	7-8	7-8	2000
	Lympne ..	283	24·4	+2	NE'N	1	m	50	97	50	S	S	-	-	9	9	5700
	Manston ...	154	23·8	-2	-	0	2o	53	85	49	S	S	-	-	10	10	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	24·4	-2	NNW	1	m	50	97	50	4	S	-	-	10	10	3500
	Gorleston ...	5	23·8	-2	E'S	2	2o	53	85	49	6	-	-	-	0	0	-
	Mildenhall ...	15	24·5	0	-	0	of+	48	97	48	2	S	-	-	10	10	300
	Cranwell ...	203	24·2	-2	S	2	F-	47	97	47	1	-	-	-	10	10	<150
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	23·8	0	-	0	F+	48	97	48	1	-	-	-	10	10	<150
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·4	0	SE	4	b	50	92	48	8	-	-	-	0	0	-
	Bristol ...	209	23·3	+2	-	0	bF	46	97	46	1	-	-	-	0	0	-
	Portland Bill ...	32	22·9	+2	E	3	bc	55	85	51	8	S	-	-	4-6	4-6	4000
	Plymouth ...	86	21·8	+2	SSE	2	2o	50	97	50	6	-	-	-	0	0	-
	The Lizard ...	240	20·5	0	SE	3	bc	54	97	54	7	S	-	-	4-6	4-6	2400
	Scilly (St. Mary's)	163	19·0	-2	SSE	4	b	54	85	50	7	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	20·8	+2	SSE	4	b-bc	55	92	53	8	2	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	20·9	+4	S'E	4	2o	53	85	49	6	S	-	-	2-3	2-3	1500
	Chester (Sealand)	16	22·3	0	S'E	3	F	48	92	47	2	-	-	-	10	10	<150
8	Manchester ...	230	22·8	+2	S'E	3	m	50	92	48	4	S	-	-	9+	9+	1000
10	Spurn Head ...	29	24·6	+2	S	4	F-	47	97	47	1	-	-	-	10	10	<150
	Catterick (Sc.)...	192	23·4	+6	S	1	F+	47	97	47	2	-	-	-	10	10	<150
	Tynemouth ...	108	22·9	+6	S	3	m	49	92	47	4	S	-	-	10	10	2500
11	St. Abbs Head	280	20·5	+4	- -	0	b-bc	48	92	45	6	S	-	-	2-3	2-3	4000
	Leuchars ...	36	19·5	-6	SSW	3	2o	53	85	49	6	S	1	-	4-6	10	2500
12	Renfrew (Abbotsl.)	19	19·4	+6	SSW	3	2o	56	85	50	6	S	-	-	2-3	2-3	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	20·5	+8	SW'S	3	b-bc	53	92	50	7	S	-	-	2-3	2-3	2000
13A	Tiree	44	15·3	+20	S	4	ir.	55	92	53	7	-	2	-	10	10	1000
13B	Stornoway ...	12	12·7	+18	SSW	7	r.r.	55	92	53	7	S	2	-	7-8	10	1200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	19·0	+8	SSW	4	c-bc	52	85	47	8	S	7	-	4-6	7-8	2500
	Wick ...	114	15·5	+14	S'W	6	c	55	92	53	8	S	7	-	7-8	10	2000
16	Sumburgh ..	19	15·5	+10	S'W	4	ir.	53	92	51	7	S	-	-	10	10	2000
17	Blacksod Point	18	12·4	+10	S'W	6	c	58	85	53	8	6	-	-	10	10	1500
18	Malin Head ...	84	14·0	+4	S	5	c	56	85	51	8	S	-	-	9+	9+	1500
	Aldergrove ...	268	18·3	+12	S'E	3	c	54	85	51	8	S	1	-	9	10	4100
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13·5	-2	S'E	6	c	56	85	51	8	S	-	-	9+	9+	1500
	Roches Point	22	16·9	+2	S	5	bc	55	97	54	8	S	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 29th October

Barom. at M.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)
24·8	+4	E	1	F	50	97	49	2	-	-	-	10	10	<150	1	*
25·0	+4	-	0	F	48	97	48	1	-	-	-	10	10	<150	1	*
24·5	+2	E'N	1	F	48	97	48	1	-	-	-	10	10	<150	1	*
23·7	+2	E'N	3	m	46	97	46	4	S	-	-	9	9	2000	0	*
23·6	+4	NE	2	m	47	97	47	4	S	-	-	4-6	4-6	4000	1	*
24·6	+2	NE	2	m	50	97		4	S	-	-	9	9+	1000	0	*
24·2	+2	NW'N	1	m	51	92	50	4	S	-	-	10	10	2000	1	*
24·2	0	NNW	1	f	49	97	48	2	-	-	-	10	10	<150	1	*
24·6	+2	NW	1	2o	47	97	46	5	S	-	-	10	10	4000	1	1
24·6	+4	-	0	c-bc f+	44	97	43	2	S	-	-	7-8	7-8	800	1	2
25·3	+4	-	0	F	48	97	48	1	-	-	-	10	10	<150	1	*
25·3	+6	SSE	1	df	46	97	46	3	S	-	-	10	10	450	1	*
24·7	+4	SE	1	m	48	97	47	4	S	-	-	10	10	800	1	*
24·3	+4	-	0	CF	48	97	47	1	S	-	-	10	10	1500	1	*
23·5	0	E'N	2	F+	45	97	45	1	-	-	-	10	10	<150	1	*
20·2	+2	SE	4	b-bc	50	97	50	7	S	-	1	1	2-3	1500	1	3
24·0	+2	-	0	F	44	97	44	0	-	-	-	10	10	<150	1	*
23·2	+2	ESE	3	bc	56	85	52	7	2	-	-	4-6	4-6	4000	1	3
21·8	+2	ESE	2	2o	51	97	50	5	S	-	-	4-6	4-6	2500	0	1
20·3	0	SE	3	c	54	97	54	7	S	-	-	9+	9+	1500	1	4
18·6	-2	SSE	5	b	54	85	51	7	-	-	-	0	0	-	1	4
21·2	+2	SE'S	5	c-bc	54	97	54	8	8	-	-	7-8	7-8	2500	0	3
21·7	+6	ESE	1	bc	46	92	44	9	-	4	4	0	2-3	-	1	*
23·6	+6	S	3	2o	45	97	45	5	S	-	-	10	10	1000	0	*
24·0	+6	S	2	2o	49	92	47	5	S	-	-	9+	9+	1500	1	*
25·1	0	SSW	2	2o	47	97	46	5	S	-	-	10	10	1500	1	2
24·6	+8	S	2	f	47	97	47	2	-	-	-	10	10	<150	1	*
24·3	+6	S	3	m	48	92	47	4	S	-	-	10	10	2500	0	*
22·2	+12	SSW	1	c	48	85	45	6	S	7	-	7-8	9+	2500	0	*
21·7	+14	SSW	2	2o	49	97	47	6	S	7	-	4-6	10	3000	1	*
21·1	+10	SE	1	2o	52	85	49	6	S	-	-	9	9+	700	1	*
22·6	+14	S'E	2	c	47	92	46	6	S	1	-	10	10	700	1	*
21·5	0	S'W	4	c	53	92	51	7	S	-	-	9+	9+	1800	0	3
17·1	+12	S'E	4	c	55	92	52	7	S	2	-	9+	10	2500	1	4
15·7	+14	SSW	6	r.r.	54	97	53	6	S	2	-	7-8	10	1000	2	3
13·0	+6	S	3	c	51	85	48	6	S	-	-	9+	9+	1500	0	*
20·3	+4	SSW	3	2o	52	85	48	6	S	3	2	Tr	7-8	1500	1	*
18·6	+20	S	3	bc	53	92	51	8	S	7	-	2-3	4-6	1500	1	*
17·8	+16	SSW	5	c	53	92	51	7	S	3	-	7-8	9+	4000	1	*
13·5	+6	S	3	c	56	85	52	8	8	-	-	9+	9+	2500	1	*
16·4	+6	SE'S	3	c	53	85	49	8	8	-	-	4-6	9	1500	2	*
19·4	+6	SSE	3	bc	52	85	48	8	S	7	1	2-3	4-6	2500	1	*
15·8	-2	S	3	bc	54	85	50	8	S	-	-	4-6	4-6	2500	1	*
13·0	+6	S'E	6	c-bc	56	85	52	8	8	-	3	4-6	7-8	2200	1	5
17·0	-2	S'E	5	bc	55	97	55	8	5	-	-	4-6	4-6	2500	1	5

PAST 24 HOURS.

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 28th Hrs. (38)
56	49	40	Tr	Tr	0·0
58	47	45	Tr	Tr	0·8
57	42	41	Tr	0·1	1·1
60	43	39	-	Tr	3·1
60	46	37	-	-	*
56	49	47	-	-	1·5
55	51	49	Tr	-	1·0
52	48	44	-	-	0·0
54	44	43	-	Tr	0·0
52	39	35	-	-	0·0
52	48	46	Tr	Tr	0·0
49	36	38	Tr	0·5	0·0
54	47	46	-	-	0·0
53	47	42	-	0·1	*
55	45	32	-	-	4·7
58	49	47	Tr	-	6·2
60	43	30	Tr	0·1	4·1
57	52	*	-	-	*
59	43	41	-	-	6·0
58	53	*	-	-	5·2
58	54	*	Tr	-	4·2
58	52	*	-	-	2·9
59	45	42	-	-	*
60	45	41	-	-	3·8
56	46	37	-	-	*
51	44	*	Tr	0·5	5·0
54	46	41	-	-	0·0
54	47	47	-	-	*
58	46	*	-	-	*
59	47	34	Tr		1·7
57	50	41	0·1	-	0·4
55	45	41	-	-	0·4
59	52	*	-	-	1·4
56	53	53	8	0·3	0·0
55	53	53	6	1	0·0
52	49	48	-	0·5	0·4
56	51	46	-	-	0·0
57	52	48	Tr	0·3	*
55	54	51	-	0·2	1·6
59	58	55	12	1	*
58	52		0·3	-	0·0
57	51	46	-	-	0·2
58	53	50	-	-	0·0
57	55	52	10	3	0·0
57	54	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 28th Oct. 18h. G.M.T. — 01h. G.M.T. 29th Oct. ....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 57	02864	13525				S-	02768	16328	57	02763	16327
115 53	02844	20227	27	81844	20187	22	02844	20487	52	02844	20426
203 52	02845	16528									
206 57	02964	18524	57	02844	18227	57	01853	18524	54	02856	16427
210 57	02964	18327	57	02864	18327	57	02863	18526	54	01863	12224
219 62	62634	16668	62	61637	16668	S-	02748	16558	S-	52638	16558
230 57	61845	16158	52	02856	16368	62	62746	16268	57	02853	14135
245 57	02754	18325	57	05655	18227	54	01752	18313	09	05590	17316
260 50	05644	18425	57	05552	08225	50	05564	18224	50	05563	20313
276											
279 57	02753	16225	57	05654	14228	57	05663	14124	54	04453	00014
285									5-	05528	10228
288 07	05690	18414	00	08490	14325	S-	08458	17328	5-	05548	17348
575 57	02946	16328	57	02844	15428	52	05646	13328	53	02744	12326
301 00	05690	12425	04	08490	14328	00	08490	14348	5-	05657	12327
321 5-	41528	14248	5-	45338	14248	--	57209	14257	5-	5780	12158
299			--	48009	22249	--	46109	22249	5-	05548	22348
292 5-	08455	12346	--	48309	12349	2-	46309	14149	5-	43338	12148
310 --	46209	20349							20	04828	16348
614 5-	43238	12148	5-	47348	16148	--	46009	14159			

13h. G.M.T. 28th Oct. 18h. G.M.T. — 01h. G.M.T. 29th Oct. ....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 50	02742	47427	54	02761	15225	S-	05646	00016	00	01890	28103
334 --	02644	22315	--	05654	00015				--	04543	00014
340 5-	05654	16325	07	05630	16225	S-	43348	16248	S-	05638	14348
136 --	46109	16149	--	57109	00040	S-	05538	14228	S-	45308	00028
336			54	0563x	1614x				--	46309	12249
350 --	44309	16149	--	48109	08149	--	57109	12159	--	47190	04149
368 53	05654	12344	80	01762	12214	50	05643	10213	S-	46238	08348
379 5-	09455	14245	00	05590	14223	--	46009	14249	S-	05537	14147
390 --	44109	00049	S-	47228	00048	S-	45238	00049	S-	45228	00048
382 5-	45354	12244	00	08490	14121	--	44209	13249	S-	45338	00048
438 5-	05548	08226	S-	05548	10228	50	05544	10214	S-	08448	04328
430 5-	05647	14228	00	04490	04210	S-	05545	04115	57	47374	32117
409 86	20754	16515				00	00790	04400	54	01632	10315

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 29th Oct.
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 ...	offcmW	bcoffW	boffW	Kew 24 hours ending 7h. Time
Croydon ...	ofeo,mo	bcmcf	efoF	0·7 17h
Greenwich ...	ofmo	cbomo	obmofd.	28th
Camden Square ...	o	o	*	Min. Time
Kensington ...	ofebc	om	of	0·1 2-5h
Hampstead ...	ofbc	c		29th

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs	Humidity 15h %	Humidity 9h %
						Yesterday		To-day
Kew	56	49	40	Tr	Tr	0·0	*	*
Croydon	58	47	45	Tr	Tr	0·8	*	*
Greenwich ...	55	47	40	-	-	0·7	92	94
Westminster ...	56	50	45	-	-		88	97
Regents Park ...	57	47	39	-	-		97	93
Camden Square ...	54	48	42	-	-	*	*	97
Kensington ...	56	47	35	-	Tr		97	96
Hampstead ...	53	46	41	-	-		*	97

SECRET

Page 1

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

BRITISH SECTION

Saturday 30th October 1943

No. 29927

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

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)	24·0	-8	NE	2	cf	54	85	49	3	5	3	–	7-8	9+	5700
	Croydon ...	24·7	-10	ESE	1	of–	53	92	50	3	5	–	–	10	10	800
	S. Farnborough	23·9	-14	E'N	2	F	52	92	51	1	–	–	–	10	10	300
	Boscombe Down	23·1	-12	ESE	3	z_o	55	85	50	6	2	3	3	4-6	4-6	3000
	Thorney Island	23·2	-10	NE'E	2	z_o	55	75	49	6	5	–	–	10	10	5700
	Lympne ...	24·6	-6	SE'S	2	z_o	56	65	48	5	5	–	–	9+	9+	5200
	Manston ...	24·7	-2	S'E	1	z_o	55	85	50	5	5	–	–	9+	9+	3500
2	Shoeburyness ...	25·0	-6	–	0	z_o	53	92	50	5	5	–	–	10	10	1500
	Felixstowe ...	24·5	-2	SW	3	z_o	56	75	46	5	5	–	–	10	10	4000
	Gorleston ...	25·0	0	SE	1	z_o	55	75	48	6	5	–	–	10	10	1100
	Mildenhall ...	24·8	-10	N	1	m	52	97	51	4	5	–	–	10	10	4000
	Cranwell ...	25·0	-8	SSE	2	z_o	49	97	49	6	5	–	–	10	10	1200
3	Birmingham ...	23·6	-8	SE	2	z_o	52	85	48	6	5	–	–	9+	9+	1500
	Upper Heyford	24·1	-10	E'S	2	m	51	92	49	4	5	3	–	4-6	7-8	1000
4	Ross-on-Wye	23·0	-10	SE	2	z_o	56	75	47	6	7	–	–	4-6	4-6	3000
5	Hartland Point	20·2	-6	SE	2	c-bc	58	85	52	7	7	–	–	7-8	7-8	1500
	Bristol ...	23·2	-14	SE	2	z_o	56	85	52	5	5	–	–	7-8	7-8	2300
	Portland Bill ...	22·9	-10	SE	4	c-bc	58	85	54	7		–	–	7-8	7-8	4000
	Plymouth ...	20·8	-14	SE'E	4	b	58	85	48	7	5	–	–	1	1	2000
	The Lizard ...	19·4	-10	ESE	4	z_o	59	75	51	6	2	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	18·2	-14	SE	5	z_o	58	75	51	6	–	4	3	0	2-3	–
	Guernsey ...															
6	Pembroke ...	20·9	-12	SE'E	5	c-bc	55	97	54	6	8	–	–	7-8	7-8	2500
7	Holyhead (Valley)	21·7	-6	SW	2	b-bc	63	55	46	8	–	–	2	0	2-3	–
	Chester (Sealand)	23·5	-6	S'W	3	z_o	51	85	46	6	5	–	–	9+	9+	1500
8	Manchester ...	24·2	-6	SE'S	3	z_o	51	85	46	5	5	–	–	9+	9+	2500
10	Spurn Head ...	25·8	-2	SSW	1	z_o	51	92	49	5	5	2	–	4-6	10	1000
	Catterick (Sc.)...	25·0	-2	S	2	m	49	92	47	4	5	–	–	10	10	1700
	Tynemouth ...	25·0	+4	SSW	4	z_o	51	85	46	5	2	–	–	7-8	7-8	2200
11	St. Abbs Head	23·0	+2	S	3	z_o	57	65	47	6	5	4	–	2-3	2-3	3000
	Leuchars ...	22·6	+2	SSW	2	z_o	59	75	51	6	5	7	8	2-3	9+	5000
12	Renfrew (Abbotsl.)	22·0	+2	S'E	2	z_o	59	75	50	6	7	3	2	4-6	9	3000
	Eskdalemuir ...	22·9	-2	SE	2	bc	55	75	47	6	7	–	–	4-6	4-6	700
	Point of Ayre ...	22·6	+4	S'W	2	c	54	85	50	7	5	–	–	9+	9+	1000
13A	Tiree	17·9	-6	SSE	4	bc	55	92	51	8	–	5	8	0	4-6	–
13B	Stornoway ...	17·4	+6	S	4	c	56	75	50	8	8	9	–	7-8	9	2000
15	Dalwhinnie ...	20·8	+8	S	3	c	53	75	45	7	7	3	2	4-6	9+	2500
	Aberdeen ...	22·1	+4	SSW	3	z_o	58	75	48	6	5	–	6	2-3	9	1500
	Wick ...	19·6	+6	SSW	3	c	61	75	54	9	5	4	6	2-3	9	7000
16	Sumburgh ...	20·3	+6	S'E	3	z_o	58	97	53	6	5	3	6	1	7-8	5000
17	Blacksod Point	12·1	-14	SSE	5	c	59	95	55	8	8	–	5	7-8	9+	2500
18	Malin Head ...	16·9	-6	S'E	3	c-bc	58	75	51	8	8	–	–	7-8	7-8	1500
	Aldergrove ...	20·0	-2	SE'S	3	bc	59	75	51	7	2	–	8	1	4-6	2500
19	Birr Castle ...	16·5	-8	S	3	c-bc	60	75	53	8	5	–	–	7-8	7-8	2500
20	Valentia Obsy.	12·7	-6	SE'S	6	c-bc	58	75	51	8	1	4	3	2-3	7-8	2500
	Roches Point	16·5	-8	SSE	5	bc	57	85	53	8	2	–	5	1	4-6	2500

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

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	0	E'S	2	of+	52	85	48	2	5	–	–	10	10	2500	1	*
	Croydon ...	23·8	-2	–	0	of	51	92	49	3	5	–	–	10	10	1500	1	*
	S. Farnborough	23·9	+2	E'S	1	of–	51	85	48	3	5	–	–	10	10	3600	0	*
	Boscombe Down	22·2	0	E'S	3	z_o	50	92	49	5	5	–	–	7-8	9+	2500	0	*
	Thorney Island	22·3	-2	ESE	1	m	53	85	49	4	5	–	–	10	10	3500	1	*
	Lympne ...	22·8	-2	ESE	2	z_o	53	75	45	5	5	–	–	10	10	2400	0	52
	Manston ...	23·8	-2	ESE	3	z_o	55	75	45	6	5	–	–	9	9	3600	1	*
2	Shoeburyness ...	23·8	-10	ESE	2	z_o	54	75	45	6	5	2	–	9+	10	2500	1	*
	Felixstowe ...	24·1	-2	SE'E	1	z_o	55	75	45	5	5	–	–	10	10	2500	0	1
	Gorleston ...	24·2	0	SE	2	z_o	55	75	45	6	5	–	–	10	10	1500	0	2
	Mildenhall ...	23·8	0	ESE	2	m	53	85	49	4	5	–	–	10	10	3100	1	*
	Cranwell ...	23·6	-4	ENE	2	of+	49	97	48	3	5	–	–	10	10	1000	0	*
3	Birmingham ...	23·9	-4	ESE	2	bf+	49	92	47	2	–	–	–	0	0	–	1	*
	Upper Heyford	23·0	-4	E	2	m	49	97	48	4	5	–	–	10	10	4000	1	*
4	Ross-on-Wye	21·9	-4	ESE	2	z_o	50	85	47	5	5	–	–	2-3	2-3	2000	1	*
5	Hartland Point	19·2	-12	E	2	b-bc	57	92	55	6	–	–	2	0	2-3	–	0	4
	Bristol ...	22·0	-2	SE	1	m	51	85	47	4	5	–	–	10	10	2500	1	*
	Portland Bill ...	20·9	-4	SE	4	o	57	92	55	7	5	–	–	10	10	2500	1	4
	Plymouth ...	19·8	-2	E	3	z_o	52	95	49	5	5	–	2	Tr.	4-6	2000	0	1
	The Lizard ...	18·3	-4	ESE	4	z_o	53	92	51	6	5	–	–	10	10	1000	1	4
	Scilly (St. Mary's)	16·5	-6	SE	4	c	54	92	52	6	8	–	–	9	9	1000	1	4
	Guernsey ...																	
6	Pembroke ...	19·0	-4	SE	6	z_o	56	92	53	6	5	7	–	2-3	2-3	2500	0	3
7	Holyhead (Valley)	20·3	-4	SE'S	3	b	52	75	46	7	–	–	1	0	1	–	1	2
	Chester (Sealand)	22·0	-6	SSE	1	z_o	51	85	45	5	5	2	–	9	9+	2500	0	*
8	Manchester ...	22·8	-2	E'S	3	z_o	49	92	46	5	5	–	–	2-3	2-3	2000	1	*
10	Spurn Head ...	24·7	0	ESE	4	z_o	52	92	50	5	5	3	–	4-6	9+	1500	1	2
	Catterick (Sc.)...	24·2	-2	SSE	3	m	47	97	47	4	5	–	–	9	10	1600	1	*
	Tynemouth ...	24·2	0	S	4	z_o	48	92	46	5	5	–	–	9+	9+	2000	0	2
11	St. Abbs Head	21·7	-8	SE	3	m	48	92	46	4	4	–	–	2-3	2-3	2500	0	3
	Leuchars ...	22·2	+2	SSE	1	m	48	97	48	4	–	–	2	0	2-3	–	1	*
12	Renfrew (Abbotsl.)	20·7	-6	–	0	m	49	92	46	4	–	3	–	0	1	–	1	*
	Eskdalemuir ...	21·8	-2	NW'N	1	b-bc	42	92	40	7	–	3	–	0	2-3	–	1	*
	Point of Ayre ...	20·3	+4	S	5	z_o	52	85	48	6	5	–	–	9	9	1000	0	3
13A	Tiree	17·2	-2	SSE	5	c	54	92	51	7	–	7	8	0	9	–	1	3
13B	Stornoway ...	16·2	-2	SSE	4	c	55	85	49	8	–	9	7	0	9	–	0	3
15	Dalwhinnie ...	19·5	0	S	3	c-bc	47	85	43	7	8	–	2	2-3	7-8	1500	-0	*
	Aberdeen ...	22·1	+6	S'W	4	m	51	92	49	3	–	–	2	0	7-8	–	1	2
	Wick ...	19·8	0	S	2	c	53	92	50	8	–	7	7	0	10	–	1	*
16	Sumburgh ...	20·4	-2	SE'S	4	z_o	52	97	50	5	5	–	2	4-6	9	500	0	2
17	Blacksod Point	11·5	-4	SE'S	5	c	56	75	49	8	8	–	–	9+	9+	2500	1	4
18	Malin Head ...	16·4	0	SSE	4	bc	54	75	46	8	8	–	–	4-6	4-6	1500	2	4
	Aldergrove ...	19·0	-2	SSE	4	z_o	52	85	49	6	5	4	1	2-3	7-8	800	1	*
19	Birr Castle ...	15·6	-4	S	2	c	55	85	50	8	8	2	–	7-8	10	1500	1	*
20	Valentia Obsy.	11·9	0	SSE	6	c	57	75	50	8	2	–	3	7-8	9+	2300	1	5
	Roches Point	15·1	-6	SSE	6	z_o	55	92	53	6	5	–	5	2-3	4-6	2500	1	5

PAST 24 HOURS. WEATHER.

District	Stations. (For heights see p. 4.)	7h.–13h. 29th (34)	13h.–18h. 29th (40)	18h. 29th – 1h. 30th (41)	1h.–7h. 30th (42)
1	London (Kew)	c fo fw	c ff w	c f m w	cm m o w
	Croydon ...	o f e c f	c f	b m	cm o bf
	S. Farnborough	o f e f	o f f	o f c m o	
	Boscombe Down	cm c f b c m o	b c m o c m o	cm o b c m o	cm o
	Thorney Island	b c m o a m o	o m o e m	cm o c m	cm o b c m
	Lympne ...	c m o c m o	z_o o e	c z_o c m o	p m b f o f
	Manston ...	o f c m	c r_o m o	c z_o m o	b b c c m o
2	Shoeburyness ...	b f o m	o m o c m o	c m o c m	c m
	Felixstowe ...	c m o	o m o c	c m c m o	b c m o c m o
	Gorleston ...	c f m z_o	c z_o	c z_o m o	c z_o
	Mildenhall ...	o f e c m	c i n	c m	c m b c m
	Cranwell ...	c m c m o	c m o c m	c f c m	c m o
3	Birmingham ...	o m o c z	c b c m	b f o m	o z
	Upper Heyford	o f e o m	c m o m	e m o f	c f o f c m
4	Ross-on-Wye	F b f b c c	c z b c z	b m o v c m	c m o
5	Hartland Point	b c c m o	c	b	b b c c
	Bristol ...	o f e c f c m o	c m o m o c m o	c m b m b c, w	c m o v m o
	Portland Bill ...	c	o	co	n
	Plymouth ...	b c m o b c b	b c m o	n m o	b c m o c m o
	The Lizard ...	b c z o	b e c m	c b c m z_o	b c c z
	Scilly (St. Mary's)	b c c	c b c m	c b c w	b c c
	Guernsey ...				
6	Pembroke ...	c	b e m o	b c q	b c q
7	Holyhead (Valley)	b c	b c	b	b b c
	Chester (Sealand)	c m o	c, b e c m o	c, b m, m f f f	c f f
8	Manchester ...	c m o z_o	c m o b e m o	b, c m o	c b c c z_o
10	Spurn Head ...	c m o	c m o	o m o	c m o
	Catterick (Sc.)...	o f c m	e d, o f c m	c m f o f	o f f
	Tynemouth ...	c m m o	c m o	c m o	c o c m o
11	St. Abbs Head	b c m o	b c m o b m	b f e f b c m	b c b m o c
	Leuchars ...	c m o w z_o	c z_o c m o c m	b f o f c m o f e f b m c	
12	Renfrew (Abbotsl.)	c m o	c m o b m	b m f b c m	c m m o f m
	Eskdalemuir ...	c b c	b c b	b b c c	o m o
	Point of Ayre ...	c	e b c	c o c z_o	c z o
13A	Tiree	c b c	b e c	c b c b, c	b, c b c c
13B	Stornoway ...	c r_o i d, m, c	c	c b c c	c b e m o
15	Dalwhinnie ...	c	c		c o e
	Aberdeen ...	c b c c z_o	c b c z_o c f	c 2	c m 2
	Wick ...	c b e m o	b e m o	c m o m c	b c m o c
16	Sumburgh ...	c	c		c m o
17	Blacksod Point	c	c	r	r
18	Malin Head ...	c b c	b c	b c	c
	Aldergrove ...	c b c	b c c m b c	b c m o z m c	c m o w
19	Birr Castle ...	c	c	*	r
20	Valentia Obsy.	c	c	r	r
	Roches Point	b c	b c	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 30th October

Districts.	
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light or moderate southeast winds. Cloudy and dull with local mist and fog; more general mist and fog to-morrow morning. Rather cold.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Moderate or fresh southeast winds. Local rain in extreme southwest; partly cloudy; local mist and fog in eastern districts in morning. Rather cold.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light or moderate southerly winds. Partly cloudy; fairly general mist or fog developing to-night. Rather cold.
12 S.W. Scotland & Isle of Man	As 4-8
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh southerly winds, strong locally. Partly cloudy; occasional rain in extreme west. Poor visibility locally. Rather cold.
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 southerly winds, strong locally. Cloudy with appreciable rain in west and south and much hill fog; local rain elsewhere. Rather cold.

GENERAL INFERENCE

Pressure is low to the west and high to the east of the British Isles, with weak troughs approaching western districts from the Atlantic. There will be rain in Ireland, extreme Southwest England and extreme West Scotland. Weather will be dull over most of England with some fog to-night. Weather will be fair over most of Scotland. Rather cold.

FURTHER OUTLOOK

Rain in western and southwestern districts. Partly cloudy elsewhere with less fog than of late.

Forecasts issued at 1030

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

7h. Saturday 30th October, 1943.

1004 1006 1008 1012 1014 1016 1018 1020 1022 1024 1026

WOL

HIGH

10° 5°W. 0° 5°E

60° 55° 50°

Mb In.
1050 31
1040
1030
1020 30
1010
1000
990 29
980
970 28
960
950 27
940

STATION MODEL

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

Scale 1.: 5,000,000

Pz 523/4556. Wt. 8091. D. n545. Gp. 346/2. 7440. 10/43.

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

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

Morning of Saturday 30th October 1943.

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.

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 30th October, 1943 — No. 28927

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

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	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon ...	290	23·3	−6	-	0	zo	50	85	47	5	5	-	-	10	10	2000
	S. Farnborough	226	21·7	−14	E'S	2	zo	51	85	46	6	5	-	-	10	10	2600
	Boscombe Down	417	21·3	−6	ESE	3	zo	48	92	46	5	5	-	-	4-6	4-6	2500
	Thorney Island	10	21·6	−8	S'E	3	zo	55	75	48	5	-	-	-	10	10	2900
	Lympne ...	283	23·0	−10	ENE	3	zo	49	85	45	5	-	-	-	0	0	-
	Manston ...	154	23·3	−6	SE	1	b	48	92	46	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	23·7	−6	E'S	3	zo	53	85	49	5	-	-	-	0	0	-
	Gorleston ...	5	23·9	−2	SE'E	4	zo	54	85	49	6	5	-	-	7-8	7-8	1500
	Mildenhall ...	15	23·2	−8	ESE	2	m	52	88	47	4	5	-	-	10	10	300
	Cranwell ...	203	23·1	−4	-	0	f-	48	92	47	4	5	-	-	10	10	3300
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22·1	−10	E	1	of	49	85	44	3	5	-	-	10	10	2600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18·3	−6	ESE	3	zo	49	97	49	6	-	-	1	0	2-3	-
	Bristol ...	209	21·7	−6	-	0	m	45	97	45	4	5	-	-	10	10	3000
	Portland Bill ...	32	21·7	−6	SE	4	0	56	85	52	7	5	-	-	10	10	2500
	Plymouth ...	86	19·3	−12	ESE	2	zo	51	92	50	5	5	-	-	4-6	4-6	1300
	The Lizard ...	240	17·5	−2	ESE	6	zo	55	92	52	6	5	-	-	4-6	4-6	1500
	Scilly (St.Mary's)	163	16·1	−8	SE	4	zo	54	97	53	6	5	-	-	4-6	4-6	1000
	Guernsey ...	175															
6	Pembroke ...	142	18·3	−4	SE	5	b-bc	54	92	52	7	-	7	-	0	2-3	-
7	Holyhead (Valley)	32	20·2	−6	E	1	b	49	85	45	7	-	7	-	0	0	-
	Chester (Sealand)	16	21·4	−2	S	2	f	45	92	43	2	-	-	-	10	10	<150
8	Manchester ...	230	21·5	−10	SSE	3	zo	51	85	47	6	5	-	-	10	10	2700
10	Spurn Head ...	29	23·8	−6	SSE	3	zo	52	85	48	6	5	-	-	10	10	1500
	Catterick (Sc.)...	192	23·3	−10	-	0	f	45	97	45	2	-	-	-	10	10	<150
	Tynemouth ...	108	23·7	−6	S	3	zo	48	92	45	5	8	-	-	9+	9+	1500
11	St. Abbs Head	280	20·9	+4	SE'S	4	zo	44	92	43	5	5	-	-	2-3	2-3	2500
	Leuchars ...	36	20·8	−10	SE	1	f	46	97	46	2	-	-	-	10	10	<150
12	Renfrew (Abbotsl.)	19	20·3	−6	ESE	3	m	50	85	46	4	5	-	-	10	10	1500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	19·6	−10	S'W	5	zo	52	85	48	6	5	-	-	9+	9+	1500
13A	Tiree	44	16·0	−6	SE	7	b	52	85	48	7	-	-	-	0	0	-
13B	Stornoway ...	12	15·0	−8	S	3	c-bc	55	75	47	7	5	7	-	2-3	7-8	3500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	21·3	−6	S	4	zo	49	92	47	5	5	-	-	10	10	1300
	Wick ...	114	13·3	−6	SSE	2	zo	50	97	48	6	5	-	-	9+	9+	1500
16	Sumburgh ..	19	20·8	−2	S'E	5	m	51	92	48	4	5	-	-	10	10	500
17	Blacksod Point	18	10·4	−6	SE'E	5	c	55	85	51	7	7	-	-	10	10	1500
18	Malin Head ...	84	14·9	−8	ENE	2	c	53	75	46	8	8	-	-	9	9	1500
	Aldergrove ...	268	17·4	−14	SE'S	3	zo	51	85	48	6	5	-	-	4-6	4-6	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·6	−2	SSE	6	ir o	57	85	53	7	5	2	-	7-8	10	1500
	Roches Point	22	14·0	−12	SE	6	ir o	54	92	52	7	6	2	-	4-6	10	1500

OBSERVATIONS at 7 hr. G.M.T. 30th October.

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force. 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
London (Kew)	21·8	−6	E	2	zo	48	92	47	5	5	-	7	4-6	10	4000	1	*
Croydon ...	22·6	-	E	1	bf	44	97	43	3	-	-	-	0	0	-	0	*
S. Farnborough																	*
Boscombe Down	20·5	−4	E'S	2	zo	49	97	48	6	5	-	-	9	10	2000	0	*
Thorney Island	20·7	−4	ENE	2	m	50	97	49	4	5	-	-	4-6	4-6	2500	1	*
Lympne ...	22·6	−2	E'N	3	f	46	97	46	3	-	-	-	10	10	<150	0	*
Manston ...	22·8	0	ESE	1	m	48	92	46	4	5	-	-	9	10	800	1	*
Shoeburyness ...	22·7	0	E'S	2	m	50	92	47	4	5	2	-	7-8	10	1500	1	*
Felixstowe ...	23·1	−2	ESE	3	zo	52	85	48	5	5	-	-	10	10	1200	0	2
Gorleston ...	23·3	0	E'S	3	zo	53	85	47	6	5	-	-	9	9	1500	0	3
Mildenhall ...	22·8	−2	E'S	2	m	46	97	45	4	5	-	-	2-3	2-3	2500	0	*
Cranwell ...	22·3	−4	S'E	3	zo	49	97	48	5	5	-	-	10	10	2500	2	*
Birmingham ...	21·3	−2	SE	2	zo	49	85	45	5	5	-	-	10	10	1500	1	*
Upper Heyford	21·2	−6	ESE	2	zo	50	85	45	5	5	-	-	10	10	2400	0	*
Ross-on-Wye	20·1	−4	SE'S	2	zo	50	85	46	6	5	-	-	10	10	1500	1	*
Hartland Point	15·9	−16	E	4	c-bc	50	97	45	6	-	-	5	0	7-8	-	0	3
Bristol ...	20·0	−6	SE	2	zo	51	85	47	6	5	-	-	10	10	1500	1	*
Portland Bill ...	18·7	−14	ESE	4	0	55	92	53	7	5	-	-	10	10	2500	1	4
Plymouth ...	17·7	−6	SEE	3	zo	53	92	50	6	5	3	-	7-8	7-8	1600	0	1
The Lizard ...	15·6	−10	ESE	5	zo	54	92	53	5	5	-	-	9+	9+	1500	0	4
Scilly (St.Mary's)	14·4	−6	S'E	4	zo	55	97	52	6	5	-	-	9	9	1000	1	4
Guernsey ...																	
Pembroke ...	16·5	−6	SE	6	c-bc	54	97	53	7	2	7	-	4-6	7-8	2500	0	4
Holyhead (Valley)	17·5	−10	E'S	1	zo	42	85	38	6	-	7	1	0	4-6	-	1	4
Chester (Sealand)	19·8	−4	S'E	1	cf-	44	85	43	3	5	3	-	9+	10	500	0	*
Manchester ...	20·5	−2	SSE	3	zo	51	75	44	6	5	-	-	9+	9+	2600	1	*
Spurn Head ...	23·1	−6	SSE	4	zo	53	75	46	6	5	2	-	4-6	10	1500	0	3
Catterick (Sc.)...	22·3	0	-	0	Ft	42	97	42	0	-	-	-	10	10	<150	0	*
Tynemouth ...	22·3	−4	S	3	zo	51	85	45	6	5	-	-	9+	9+	1500	0	3
St. Abbs Head	19·5	−10	S	3	zo	45	92	43	5	5	-	-	9+	9+	2000	0	3
Leuchars ...	19·7	−6	-	0	m	44	97	44	4	5	-	-	9	10	800	1	*
Renfrew (Abbotsl.)	18·3	−2	E'N	2	m/f	47	85	43	4	5	-	-	10	10	1400	1	*
Eskdalemuir ...	20·2	−2	-	0	zo	36	85	35	5	5	-	-	10	10	700	1	*
Point of Ayre...	18·3	−8	S'W	4	c	52	92	49	6	5	-	-	9+	9+	1600	0	4
Tiree	13·7	−14	SES	6	zo	53	92	50	5	5	-	-	9	9	3000	1	4
Stornoway ...	12·0	−10	S	5	zo	52	75	46	5	5	7	-	4-6	10	2500	0	3
Dalwhinnie ...	16·0	−10	S	3	c-bc	45	85	41		8	3	-	4-6	7-8	1500	0	*
Aberdeen † ...	19·4	−8	S	3	zo	49	85	44	6	5	-	-	10	10	1500	1	2
Wick ...	16·5	−6	S	5	m	48	92	46	4	5	4	-	9	9+	200	0	*
Sumburgh ..	18·7	−10	S'E	5	zo	51	85	47	6	5	-	-	10	10	1500	0	3
Blacksod Point	09·3	−2	SE'S	5	ro-ro	54	92	52	7	6	2	-	4-6	10	1500	1	4
Malin Head ...	12·2	−14	S	5	0	55	65	43	7	5	-	-	10	10	1500	2	3
Aldergrove ...	15·7	−2	SSE	3	zo	52	85	48	6	5	-	-	9+	9+	2200	1	*
Birr Castle ...	11·9	−10	S	2	ir	54	85	50	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	08·0	−10	SSE	6	ro-ro	56	92	54	6	6	-	-	10	10	1300	1	4
Roches Point	11·8	−10	SE	5	ro-ro	55	97	54	6	6	2	-	4-6	10	1500	1	5

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 20th Hrs. (38)
London (Kew)	54	49	44	Tr	Tr	0·0
Croydon ...	53	44	37	Tr	Tr	0·0
S. Farnborough	53			Tr		
Boscombe Down	55	46	43	Tr	-	1·1
Thorney Island	56	49	44	-	-	*
Lympne ...	56	45	42	-	-	0·0
Manston ...	56	47	44	-	-	0·0
Shoeburyness ...	55	50	45	-	-	0·0
Felixstowe ...	57	51	47	-	-	0·0
Gorleston ...	56	51	47	-	-	0·0
Mildenhall ...	54	53	37	-	-	0·0
Cranwell ...	53	48		Tr	-	
Birmingham ...	56	46	38	-	-	0·8
Upper Heyford	53	49	45	-	-	*
Ross-on-Wye	58	48	43	-	-	3·6
Hartland Point	59	48	44	-	-	6·9
Bristol ...	59	43	31	Tr	Tr	2·4
Portland Bill ...	58	54	*	-	-	*
Plymouth ...	59	49	40	-	-	6·6
The Lizard ...	59	52	*	-	-	6·7
Scilly (St.Mary's)	58	53	*	-	-	7·9
Pembroke ...	59	53	*	-	-	3·3
Holyhead (Valley)	64	41	38	-	-	*
Chester (Sealand)	52	41	34	-	-	0·2
Manchester ...	53	46	34	-	-	*
Spurn Head ...	53	51	*	-	-	1·0
Catterick (Sc.)...	49	42	38	Tr	-	0·0
Tynemouth ...	52	48	45	-	-	*
St. Abbs Head	57	42	*	-	-	*
Leuchars ...	55	43		-	-	6·4
Renfrew (Abbotsl.)	60	43	30	-	-	5·1
Eskdalemuir ...	57	34	27	-	-	4·6
Point of Ayre...	54	51		-	-	0·6
Tiree	57	52	49	Tr	-	1·4
Stornoway ...	57	51		0·2	-	0·0
Dalwhinnie ...	55	44	37	-	-	1·1
Aberdeen † ...	58	47	42	-	-	5·0
Wick ...	62	48	45	-	-	*
Sumburgh ..	55	50	48	-	-	2·5
Blacksod Point	60	53	*	-	Tr	*
Malin Head ...	58	52		-	-	0·2
Aldergrove ...	59	49	45	-	Tr	5·4
Birr Castle ...	61	53	52	-	1	5·0
Valentia Obsy.	59	55	53	-	7	3·3
Roches Point	59	54	*	-	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 29th Oct ... 18h. G.M.T. | 01h. G.M.T. 30th Oct ... 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 54	05764	15126	57	05663	15425	5-	05643	15313	57	05645	47527
115 23	02944	20226	24	02754	12226	24	02854	42326	54	02764	12124
203 53	02844	16325									
206 83	02964	22425	50	02861	16225	50	01663	24223	54	05661	00014
210 50	02863	20325	07	02890	18228	03	01790	12813	58	05665	13316
219 57	01844	16455	07	02790	14615	57	01752	14624	5-	05655	14625
230 53	01852	00024	57	02852	12128	57	05684	14227	53	05655	10226
246 00	05620	18215	00	08490	16214	52	05546	15428	57	05544	17228
260 00	08620	20224	00	08490	00010	00	47280	00000	5-	08448	00008
278											
279 04	05590	12142	04	08490	20212	00	08490	00040	54	08461	12104
285 5-	05528	04228							23	05523	08214
288 5-	05638	17328	50	05643	17323	5-	05568	14228	5-	05658	12228
575 7	02853	48325	07	02890	12227	57	05644	48325	57	61545	45427
301 00	05590	12420	50	05544	07324	00	08490	10200	00	05590	08203
321 5-	05537	14157	5-	47338	00028	5-	08468	12248	5-	05568	12228
						5-	05648	12328	5-	03748	18328
290											
292 5-	52488	14156	50	47334	00054	5-	08458	00048			
310 --	46209	16349									
614 --	08457	08227	51	47348	04128	5-	45338	12248	5-	41458	10148

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
333 50	01961	14213	07	04690	12413	50	05663	45413	04	05690	04215
334			--	05544	00015						
340			5-	08446	14226	5-	47336	16246	5-	08445	14228
1365-	05667	08147	5-	05527	08248	5-	05668	14128	00	08490	10210
330									57	05544	12327
350 5-	05537	09148	--	48309	10149	5-	08458	08128	5-	05558	10228
368 10	05552	12342	50	08453	12323	50	01564	12324	52	08444	10428
370 --	44209	12245	03	08490	08216	5-	05558	12328	5-	05548	12228
396 5-	08447	30127	5-	46246	47247	5-	41358	12148	5-	47044	00044
382 5-	05545	02127	5-	05568	00028	5-	08458	12128	52	05657	11248
438 5-	05548	14428	52	05556	12318	5-	05558	10328			
436 5-	05665	03328	5-	08458	08128	5-	05664	08224	50	08451	06111
409 50	05652	12512	50	05652	11525	00	05630	14503	54	05632	13425

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 30th October. 1943
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather. Morning	Weather. Afternoon	Weather. Night	Atmospheric Pollution, Milligrams of solid impurity per cubic metre
Kew ...	ofchw	cffw	cfmw	Kew 24 hours ended 7h. Tiree
Croydon ...	otecf	cf	cmobf	18-19h 29th
Greenwich ...	off	ofm	ocbwc	Min. 11mg/c.m. 01 0-3h 3cm
Camden Square	o	o	*	
Kensington ...	om	cmw	*	
Hampstead ...	ofd	o	o	

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 ...	54	49	44	Tr	Tr	0·0	*	*
Croydon ...	53	44	37	Tr	Tr	0·0	*	*
Greenwich ...	53	46	40	-	-	0·0	90	95
Westminster ...	55	48	45	-	-		85	88
Regents Park ...	54	49	43	-	-		87	93
Camden Square ...	53	49	41	-	-	*	*	91
Kensington ...	54	48	42	-	Tr		93	93
Hampstead ...	52	46	42	Tr	-		*	94

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

Sunday 31st October 1943

No. 25228

OBSERVATIONS at 13h. G.M.T. 30th October

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	20·7	-8	ENE	2	m	51	85	47	4	5	–	–	10	10	2500
	Croydon ...	21·9	-10	SE	3	Z_o	51	85	47	5	5	–	–	7-8	7-8	2000
	S. Farnborough	19·9	-14	SE	3	m	54	75	48	4	5	–	–	9	9	1800
	Boscombe Down	19·0	-12	SE'S	5	Z_o	56	75	47	6	5	–	–	9+	9+	3000
	Thorney Island	19·4	-10	ESE	4	Z_o	55	75	50	6	5	–	–	4-6	9	1800
	Lympne ...	21·5	-8	E'S	2	m	49	92	48	4	5	–	–	10	10	500
	Manston ...	21·9	-6	S'E	2	Z_o	51	97	47	5	5	–	–	10	10	800
2	Shoeburyness ...	22·3	-12	SE	2	Z_o	51	85	47	5	5	–	–	10	10	1500
	Dixstowe ...	21·9	-10	SE	3	Z_o	51	97	50	5	5	–	–	10	10	1500
	Gorleston ...	22·0	-10	S'E	4	Z_o	53	85	49	6	5	–	–	10	10	1000
	Mildenhall ...	21·2	-14	SSE	3	o/d	51	92	49	5	5	–	–	10	10	1200
	Cranwell ...	20·7	-18	SE	3	Z_o	51	92	48	5	5	–	–	10	10	1000
3	Birmingham ...	19·3	-10	SE	3	Z_o	52	85	47	6	5	–	–	10	10	1500
	Upper Heyford	19·6	-12	SE	3	m	53	75	47	4	–	–	–	0	0	–
4	Ross-on-Wye	18·5	-10	SE	2	Z_o	55	85	49	5	5	–	–	10	10	1500
5	Hartland Point	14·4	-14	E	4	c-bc	55	92	52	6	–	7	–	0	7-8	–
	Bristol ...	18·6	-8	SE	2	Z_o	55	75	48	6	5	–	–	10	10	2500
	Portland Bill ...	17·9	-6	ESE	4	c	57	92	53	7	5	–	–	9	9	4000
	Plymouth ...	15·8	-10	SE	5	Z_o	57	85	51	6	5	7	–	1	9	1500
	The Lizard ...	14·1	-8	ESE	5	Z_o	56	92	54	6	5	–	–	9+	9+	2000
	Scilly (St. Mary's)	12·5	-10	SE	5	ir	56	92	54	6	5	7	–	4-6	10	1200
	Guernsey ...															
6	Pembroke ...	14·6	-8	SE	6	cq	56	85	50	6	7	6	1	4-6	9+	2000
7	Holyhead (Valley)	15·3	-16	SSE	1	Z_o	60	85	45	6	–	4	2	0	7-8	–
	Chester (Sealand)	18·3	-10	S'E	3	Z_o	54	75	46	5	5	–	–	10	10	2000
8	Manchester ...	18·4	-20	SSE	4	Z_o	55	65	45	6	5	–	2	2-3	4-6	2000
10	Spurn Head ...	21·9	-14	SSE	3	Z_o	52	92	50	6	5	–	–	10	10	1200
	Catterick (Sc)...	20·5	-14	S	3	m	52	92	51	4	5	–	–	9	9	1500
	Tynemouth ...	20·9	-16	S	5	Z_o	52	75	46	5	8	–	–	9+	9+	2200
11	St. Abbs Head	18·2	-16	SW	3	Z_o	51	75	45	5	5	4	–	4-6	4-6	2000
	Leuchars ...	18·3	-14	SE	2	Z_o	51	85	45	5	–	7	9	0	10	–
12	Renfrew (Abbots I.)	16·6	-18	SE'E	2	Z_o	54	75	47	6	5	7	–	4-6	9+	1600
	Eskdalemuir ...	17·6	-18	SE	4	c-bc	50	75	42	6	5	7	–	7-8	10	1500
	Point of Ayre...	16·8	-8	S'W	6	c	56	75	48	7	5	–	6	4-6	9+	1500
13A	Tiree	12·8	-8	SSE	5	Z_o	54	85	50	6	5	7	–	9	10	1500
13B	Stornoway ...	11·4	-2	SSE	6	Z_o	54	85	49	6	5	7	–	4-6	10	2000
15	Dalwhinnie ...	15·0	-4	S	4	Z_o	47	85	42	6	5	7	–	7-8	10	1500
	Aberdeen ...	18·5	-8	S	5	Z_o	52	75	44	6	8	5	2	7-8	9+	1500
	Wick ...	14·9	-10	S	4	c	52	85	46	7	–	7	6	0	9+	–
16	Sumburgh ...	16·3	-18	S'E	6	Z_o	53	75	43	6	5	–	–	9+	9+	2000
17	Blacksod Point	06·1	-22	SSE	3	dr	55	97	54	6	6	2	–	4-6	10	800
18	Malin Head ...	10·4	-22	SE	5	c	55	75	47	7	5	2	–	4-6	9+	1500
	Aldergrove ...	13·5	-14	SSE	4	Z_o	54	85	48	5	5	7	–	4-6	9	1500
19	Birr Castle ...	09·8	-20	S	4	c	57	75	49	8	5	2	–	7-8	10	2500
20	Valentia Obsy.	05·0	-16	SE'S	6	RR	57	92	55	6	6	2	–	10	10	1600
	Roches Point	10·0	-8	SE'E	5	ir	55	97	54	6	6	2	–	4-6	10	800

OBSERVATIONS at 18h. G.M.T. 30th October

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	19·7	-4	ESE	2	cf	48	92	46	3	–	–	8	0	9	–	1	*
	20·4	-6	E	2	bf+	46	82	45	2	5	–	–	1	1	1000	0	*
	18·6	-6	ESE	2	m	49	92	47	4	5	–	–	10	10	1300	0	*
	18·1	0	ESE	4	Z_o	47	97	47	5	–	4	–	0	1	–	0	*
	18·2	-4	ESE	3	Z_o	53	85	50	6	–	–	–	0	0	–	0	*
	20·1	-2	ESE	3	m	57	82	56	4	–	–	–	0	0	–	0	2
	20·4	-4	SE'S	2	m	49	97	47	4	5	–	–	4-6	4-6	400	1	*
2	20·4	-6	–	0	Z_o	47	92	46	5	5	–	–	10	10	1500	1	*
	21·0	-2	SE	3	Z_o	52	75	46	5	5	–	–	10	10	1100	0	2
	20·9	-4	SSE	4	Z_o	53	85	48	6	5	–	–	10	10	1500	0	4
	19·5	-4	S'E	2	ido	50	85	48	4	5	–	–	7-8	10	800	0	*
	19·5	0	SE'S	3	Z_o	50	92	47	5	5	–	–	10	10	800	0	*
	18·0	-6	SE'S	3	m	51	85	47	4	5	–	–	10	10	1500	1	*
	18·8	-2	ESE	3	bc f+	46	97	44	3	5	–	–	4-6	4-6	1500	0	*
4	17·0	-6	E	2	Z_o	51	85	47	5	5	–	–	9+	9+	2000	1	*
5	13·1	-6	E	4	c	54	97	53	6	5	–	–	9+	9+	3000	0	3
	17·3	-6	SSE	2	Z_o	49	92	46	6	5	4	–	2-3	4-6	2500	0	*
	16·8	-4	E	4	c-bc	57	92	55	7	5	–	–	7-8	7-8	4000	1	4
	14·7	0	SE	4	Z_o	54	92	52	6	–	7	–	0	10	–	0	3
	13·2	0	ESE	5	pr	58	85	54	5	5	2	–	9	10	1500	1	4
	11·5	-6	SE'S	4	bc	56	97	55	6	5	–	–	10	10	800	1	3
6	12·8	-6	SE	6	cq	56	45	34	6	5	7	–	4-6	9	2500	0	3
7	13·4	-10	SE'S	2	Z_o	55	65	45	6	–	8	1	0	9	–	1	*
	15·5	-6	SSE	4	m	53	75	46	4	5	2	–	7-8	10	2500	0	*
8	17·4	-8	SSE	4	m	52	85	46	4	5	–	–	10	10	1800	1	*
10	20·3	-16	S	3	Z_o	51	85	47	6	5	–	–	10	10	1500	0	3
	18·9	-10	S	3	m	49	97	47	4	5	–	–	7-8	10	1000	0	*
	19·6	-4	S	3	Z_o	51	85	46	5	8	–	–	9	9	2500	0	3
11	15·7	-8	S'W	4	Z_o	49	97	43	5	5	4	5	2-3	4-6	4000	0	3
	16·3	-10	SSE	3	m	49	92	47	4	5	–	2	9	10	2600	1	*
12	14·6	-12	E	3	Z_o	51	85	47	6	5	–	–	10	10	3000	1	*
	15·9	-10	–	0	c	45	85	41	5	5	2	–	4-6	9+	300	1	*
	13·6	-8	S'W	6	Z_o	51	85	50	6	5	4	–	2-3	9+	1500	0	4
13A	10·1	-10	SSE	6	ir	54	85	50	6	5	2	–	7-8	10	2000	1	4
13B	09·1	-14	SSE	4	Z_o	54	75	48	6	5	7	–	2-3	9	2000	0	4
15	14·0	-8	S	3	c	48	85	41	6	5	3	–	4-6	9	1500	0	*
	16·3	-12	S	5	Z_o	51	85	45	5	5	–	2	7-8	10	1500	1	4
	14·0	-8	SSE	4	Z_o	50	92	48	6	5	7	6	4-6	7-8	1000	0	*
	15·2	-6	S'E	6	Z_o	52	85	47	6	5	7	2	2-3	7-8	1800	0	3
16	03·2	-18	S'E	5	ir	55	92	53	6	6	2	–	4-6	10	800	2	4
17	07·4	-14	S'E	6	r	53	85	48	7	–	2	–	10	10	800	2	4
18	11·5	-10	SE'S	4	ir	53	85	49	5	5	–	–	10	10	1500	1	*
19	07·4	-8	S	4	ir	55	92	53	7	6	2	–	7-8	10	1500	1	*
20	04·1	+4	S'E	5	ir	57	97	56	6	6	–	–	10	10	450	1	4
	07·4	-10	SE'E	5	rr	54	97	53	5	6	2	–	4-6	10	800	1	5

PAST 24 HOURS.

Weather. 7h.—13h. 30th (39)	13h.—18h. 30th (40)	18h. 30th to 1h. 31st (41)	1h.–7h. 31st (42)
cmw	cmfw	cfcmw	cmcmr
bfcmbcm$_o$	bcmobmbf	bfbcm	bccmcir$_o$
bcmcm	cmbm$_o$cm	cmbbcmm$_o$zcmcmfrrm$_o$z$_o$
cm$_o$cz$_o$	czobcz$_o$bm$_o$	bm$_o$bcmcm	cmcrr$_o$
bcmcm$_o$	cbm$_o$	bm$_o$cbmw	cmrr$_o$
cfm	cbcm	cmcfcm	cbccm
cm$_o$	cmcm	bccm	cm$_o$cm$_o$
cmcm$_o$	cm$_o$c	m$_o$c	m$_o$c
cm$_o$	cm$_o$c	cm$_o$	bccm$_o$
cz$_o$	cz$_o$z$_o$	cz$_o$	cbcbcz$_o$
bcmcic$_o$m$_o$	cm$_o$cmido	cmic$_o$m$_o$	cm$_o$bcm$_o$c
cmcm$_o$	cm$_o$	cm$_o$	r$_o$r$_o$m
bcz	bcm	cm	cr$_o$f
cm$_o$bcm	cmbc$_o$f	bcfcm$_o$	cm$_o$r$_o$r$_o$fo
cm$_o$	czobccz	cm$_o$	r$_o$cm$_o$
bbcc	c	cr$_o$r$_o$c	c
cm$_o$	cz$_o$bcmow	bcm$_o$wrr	crrm$_o$cmrrm$_o$
oc	c	co	orr
cm	cm$_o$	cr$_o$r$_o$	cir$_o$
cz$_o$	cm$_o$pr	crrc	cprc
cir	r$_o$ic$_o$	r$_o$r$_o$	r$_o$r$_o$i$_o$c
cqm$_o$	cqrm$_o$	cr$_o$r$_o$rm$_o$	cirqm$_o$
bccz$_o$	obccz$_o$y	cir$_o$m$_o$f	cir$_o$
cm$_o$	czoz	zbcbmfc	cir$_o$m$_o$
cz$_o$	bccz$_o$	bcm$_o$cm$_o$	r$_o$r$_o$cm$_o$
o m$_o$	o m$_o$	o m$_o$	o m$_o$
ofm	cm	cm	cmcmcfm
cm	cm$_o$	com$_o$	ocm$_o$
cm$_o$cbcm$_o$	bcm$_o$	bcm	bcmcmrr
cmcm$_o$	cm$_o$cm	cm$_o$bmw	cbcrrfgm
cmfm$_o$	cm$_o$	cm$_o$	cr$_o$r$_o$mf
ocbcc	c	cm$_o$	r$_o$r$_o$
ccz$_o$	cz$_o$	cz$_o$	crrdd
ccm$_o$	cm$_o$ic$_o$m$_o$	cr$_o$rm$_o$	cr$_o$cm$_o$
cz$_o$cm$_o$	cm$_o$cz$_o$	cr$_o$r$_o$m$_o$	cr$_o$r$_o$d$_o$d$_o$m$_o$
co	oc	*	cird
c	cz$_o$	cbccm$_o$	cz$_o$
cm$_o$	ccm$_o$	bcbcm$_o$	cr$_o$r$_o$m
cm$_o$	cm$_o$	cm$_o$c	cm$_o$c
r	r	d	r
c	r	r	r
cm$_o$	cm$_o$ic$_o$m$_o$	cr$_o$r$_o$m$_o$v	crrr$_o$r$_o$
r	r	*	r
r	r	r	r
r	r	r	d

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light or moderate southeast wind; cloudy; occasional slight rain; local fog; rather warm
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate south wind; fresh or strong locally; cloudy, occasional rain; local fog; rather warm.
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 4-15

GENERAL INFERENCE

A trough of low pressure over western districts is moving slowly east, weather will be cloudy with occasional rain in the West and North but only slight rain in the East.

FURTHER OUTLOOK

Unsettled; occasional rain.

Forecasts issued at 10·30

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

7h. Sunday 31st October 1943.

10° 5°W. 0° 5°E 10°

60° 55° 50°

1002 1004 1006 1008 1010 1012 1014 1016 1018 1020

Low Low Low

HIGH

Mb In.
1050 31
1040
1030
1020 30
1010
1000
990
980
970
960
950
940

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

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

Ps.523/4556. Wt 8091. D.1545. Gp.948/2. 7440. 10/43.

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

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

Explanation of Frontal Lines shown on Chart:

(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 31st October,

1943.

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.

Sunday 31st October 1943 — No. 28928

OBSERVATIONS at 1 hr. G.M.T. 31st October

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	*	*	*	*	*	48				*	*	*	*	*	*
	Croydon ...	290	18·7	-6	ESE	2	m	51	92	49	4	5	–	–	4-6	4-6	800
	S. Farnborough	226	16·8	-8	SSE	2	m	52	97	52	4	5	–	–	10	10	400
	Boscombe Down	417	16·7	-6	SE'S	3	m	52	97	52	4	5	–	–	10	10	300
	Thorney Island	10	16·7	-8	E'S	2	m	52	97	52	4	–	3	–	0	4-6	–
	Lympne ..	283	18·3	-10	S	3	m	50	97	49	4	5	–	–	4-6	10	400
	Manston ...	154	19·2	-6	S'W	3	m	48	92	47	4	5	–	–	9	9+	700
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	19·1	-10	S'E	2	z_o	52	85	48	5	5	–	–	10	10	1400
	Gorleston ...	5	18·8	-16	S'W	4	z_o	54	85	48	6	5	–	–	10	10	1500
	Mildenhall ...	15	18·0	-12	SSE	3	m	48	92	48	4	5	–	–	9	9	1200
	Cranwell ...	203	17·3	-10	SE	2	z_o	47	92	46	3	5	–	–	9+	9+	1500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·6	-10	SE'S	2	z_o	50	97	48	5	5	–	–	10	10	600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	11·7	-10	S	3	c/r	55	97	55	6	5	2	–	7-8	10	2500
	Bristol ...	209	14·3	-16	S	1	r	52	97	52	6	–	2	–	10	10	6000
	Portland Bill ...	32	15·3	-10	ESE	4	c	58	92	53	7	5	–	–	10	10	2500
	Plymouth ...	86	4·0	-2	SE	2	r_o	56	97	56	6	5	2	–	7-8	10	2800
	The Lizard ...	240	12·0	-10	SSE	3	c	50	97	49	7	5	–	–	9+	9+	1500
	Scilly (St.Mary's)	163	10·3	-4	S'W	5	$r_o r_o$	56	97	56	6	5	–	–	10	10	800
	Guernsey ...	175															
6	Pembroke ...	142	11·2	-8	SSE	6	r	56	97	56	6	5	–	–	10	10	1500
7	Holyhead (Valley)	32	12·1	-8	SE	5	z_o	54	85	49	6	–	7	–	0	10	–
	Chester (Sealand)	16	14·7	-4	S'E	3	r/s	50	85	47	4	5	–	–	10	10	2200
8	Manchester ...	230	16·0	-6	SSE	5	z_o	48	92	46	5	5	–	–	10	10	800
10	Spurn Head ...	29	18·1	-6	SSW	4	z_o	50	85	46	5	5	–	–	10	10	1500
	Catterick (Sc)...	192	17·2	-6	SSE	3	m	48	92	47	4	5	–	–	10	10	900
	Tynemouth ...	108	16·3	-8	S	4	z_o	50	85	45	6	5	–	–	10	10	1500
11	St. Abbs Head	280	13·7	-10	S	3	z_o	44	92	42	5	5	–	–	2-3	2-3	4000
	Leuchars ...	36	13·5	-6	–	0	z_o	42	97	41	5	–	–	–	0	0	–
12	Renfrew (Abbotsl.)	19	12·2	-6	NE	1	z_o	49	85	45	6	5	–	–	10	10	1800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	12·1	-10	SSW	5	z_o	54	85	50	6	5	–	–	10	10	2000
13A	Tiree	44	06·0	-16	SSE	6	$r_o r_o$	53	97	53	5	6	–	–	10	10	1000
13B	Stornoway ...	12	05·6	-14	SSE	6	$r_o r_o$	52	97	51	5	–	2	–	10	10	1000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	13·2	-10	S	4	z_o	49	92	46	5	5	–	–	10	10	1300
	Wick ...	114	10·7	-10	SSW	6	z_o	49	92	47	6	5	–	–	4-6	4-6	1000
16	Sumburgh ..	19	12·2	-14	S'E	7	z_o	52	78	46	5	5	–	–	9+	9+	1500
17	Blacksod Point	18	03·7	+4	S'W	5	c	57	92	55	7	6	–	–	10	10	1500
18	Malin Head ...	84	05·5	+6	S'E	6	$r_o r_o$	54	85	49	7	–	2	–	10	10	800
	Aldergrove ...	268	08·1	-14	SSE	3	r	53	92	51	7	5	–	–	10	10	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	05·3	+4	S'E	4	id	56	97	56	6	5	–	–	10	10	600
	Roches Point	22	06·6	-2	SSE	4	$r_o r_o$	53	97	53	6	6	2	–	4-6	10	800

OBSERVATIONS at 7 hr. G.M.T. 31st October

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)	15·9	-4	ENE	1	$r_o r_o$	50	97	49	5	5	2	–	4-6	10	2500	1	*
	Croydon ...	17·5	-2	SSE	3	$i r_o$	52	97	51	6	5	7	–	7-8	9	1500	1	*
	S. Farnborough	16·0	0	ESE	2	$i r_o$	52	97	51	5	5	2	–	7-8	10	600	1	*
	Boscombe Down	15·0	-2	SE	4	$c r_o$	53	97	53	6	6	7	–	9+	10	600	1	*
	Thorney Island	13·5	-6	E	2	$c r_o/r$	54	97	53	6	–	7	–	0	7-8	–	1	*
	Lympne ..	17·6	-6	SSE	3	r	51	97	51	4	5	–	–	9+	9+	600	0	3
	Manston ...	17·8	-8	SE'S	3	z_o	52	85	48	6	–	9	6	0	9	–	1	*
2	Shoeburyness ...	17·5	-12	SE	2	z_o	51	92	49	6	–	7	–	0	7-8	–	1	*
	Felixstowe ...	17·5	-12	SE'E	3	z_o	54	92	51	5	–	7	2	0	9	–	0	2
	Gorleston ...	18·0	-6	S	4	z_o	53	85	50	6	5	–	–	7-8	7-8	1500	0	4
	Mildenhall ...	16·7	-2	SE'S	3	m	49	92	47	4	5	9	–	4-6	4-6	1500	0	*
	Cranwell ...	16·0	-4	S	2	$r_o r_o$	48	97	48	4	5	–	–	10	10	1000	1	*
3	Birmingham ...	13·8	-8	SSE	3	r	52	97	51	3	5	–	–	10	10	450	1	*
	Upper Heyford	14·9	-6	ESE	2	c	51	97	51	3	5	–	–	10	10	300	1	*
4	Ross-on-Wye	13·1	-6	SSE	3	$i r_o$	54	92	52	6	6	2	–	7-8	10	1500	1	*
5	Hartland Point	10·6	0	S	4	c	56	97	56	7	5	2	–	9	10	2500	1	3
	Bristol ...	13·5	-6	SE	2	$r_o r_o$	54	92	53	5	5	2	–	2-3	10	1500	1	*
	Portland Bill ...	13·6	-6	SSW	3	r	58	92	56	7	5	–	–	10	10	2500	1	4
	Plymouth ...	12·1	-2	SE	3	r	57	97	56	6	5	2	–	9	10	2500	1	2
	The Lizard ...	10·9	-4	S	4	c	57	97	57	6	5	2	–	9	10	1500	1	4
	Scilly (St.Mary's)	08·5	-10	S	5	c	56	97	56	7	5	–	–	10	10	1000	1	5
	Guernsey ...																	
6	Pembroke ...	08·8	-10	SE	5	$r_o r_o$	57	97	57	6	5	–	–	10	10	1500	1	4
7	Holyhead (Valley)	10·5	-2	S'E	5	z_o	56	85	53	6	5	–	–	10	10	1400	1	3
	Chester (Sealand)	12·4	-6	SSE	3	c/r	52	92	50	4	5	–	–	10	10	800	1	*
8	Manchester ...	13·2	-10	SSE	4	z_o	52	92	50	5	5	2	–	9	10	900	1	*
10	Spurn Head ...	16·6	-2	S	4	z_o	50	92	48	6	5	–	–	10	10	1400	0	1
	Catterick (Sc)...	15·0	-18	SSE	2	dr	47	97	47	3	–	–	–	10	10	<150	1	*
	Tynemouth ...	15·1	-6	S	3	z_o	48	92	46	6	8	–	–	9+	9+	1500	0	3
11	St. Abbs Head	12·3	-8	S	3	r	45	92	43	5	5	–	–	7-8	7-8	2500	1	3
	Leuchars ...	11·5	-6	–	0	r	45	97	45	4	–	2	–	10	10	800	1	*
12	Renfrew (Abbotsl.)	10·2	-4	ENE	2	fr	49	92	47	3	6	2	–	7-8	10	800	1	*
	Eskdalemuir ...	11·9	-12	S'W	2	$r_o r_o$	45	97	44	4	–	2	–	10	10	<150	1	*
	Point of Ayre...	08·8	-8	S'W	5	dd	52	97	52	6	6	2	–	4-6	10	500	1	4
13A	Tiree	06·2	0	SE	5	$i r_o$	54	97	53	6	5	2	–	9	10	1000	1	4
13B	Stornoway ...	04·9	+6	S	6	z_o	55	85	51	5	6	2	–	7-8	10	800	2	5
15	Dalwhinnie ...	03·0	-4	S	3	c	45	92	42	5	5	2	–	9	10	1500	1	*
	Aberdeen † ...	11·3	-8	S	3	z_o	50	85	46	5	5	–	–	10	10	4000	N	3
	Wick ...	08·8	-14	SSE	4	$r_o r_o$	50	92	48	5	–	2	–	6	9+	–	1	*
16	Sumburgh ..	10·2	-6	S'E	7	z_o	51	85	47	6	6	5	4	7-8	9+	1500	0	3
17	Blacksod Point	04·8	+10	SSW	1	$i r_o$	52	97	51	7	6	–	–	9+	9+	1500	1	2
18	Malin Head ...	05·4	+2	SE'E	1	c	55	85	50	8	5	–	–	9+	9+	800	2	2
	Aldergrove ...	07·4	-2	SE'S	1	c/r	54	92	52	6	5	–	–	10	10	1000	1	*
19	Birr Castle ...	08·7	0	S	2	c	55	92	53	8	5	2	–	7-8	10	2500	1	*
20	Valentia Obsy.	03·7	-6	SE'S	1	c/r	56	97	55	7	5	–	–	9	9	1200	1	3
	Roches Point	05·3	-10	SSE	5	dd	56	97	55	5	5	–	–	10	10	450	1	5

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 30th Hrs. (38)
1	London (Kew)	51	47	37	–	0·1	0·0
	Croydon ...	52	46	39	–	0·1	0·4
	S. Farnborough	56	46	35	–	0·4	2·0
	Boscombe Down	58	46	42	–	0·5	2·0
	Thorney Island	53	48	40	Tr	0·2	*
	Lympne ..	57	47	43	11	–	0·5
	Manston ...	51	47	44	–	–	0·0
2	Shoeburyness ...	51	46	43	–	–	0·0
	Felixstowe ...	53	51	47	–	–	0·0
	Gorleston ...	54	50	44	–	–	0·0
	Mildenhall ...	51	44	37	Tr	–	0·0
	Cranwell ...	52	46	46	–	0·6	0·4
3	Birmingham ...	53	46	43	–	1	0·5
	Upper Heyford	54	44	41	–	1	*
4	Ross-on-Wye	56	48	41	–	0·3	0·1
5	Hartland Point	56	54	51	–	2	1·4
	Bristol ...	57	44	32	Tr	2	1·1
	Portland Bill ...	57	56	*	–	3	*
	Plymouth ...	53	53	50	–	5	1·9
	The Lizard ...	57	54	*	0·5	4	0·3
	Scilly (St.Mary's)	51	55	*	4	4	0·0
	Guernsey ...						
6	Pembroke ...	57	54	*	–	5	1·4
7	Holyhead (Valley)	61	53	50	–	0·1	*
	Chester (Sealand)	54	49	44	–	2	0·3
8	Manchester ...	56	48	35	–	1	*
10	Spurn Head ...	53	48	*	–	–	1·3
	Catterick (Sc)...	52	46	44	–	0·4	0·0
	Tynemouth ...	53	48	44	–	–	*
11	St. Abbs Head	53	43	*	–	Tr	*
	Leuchars ...	52	41	*	–	1	0·2
12	Renfrew (Abbotsl.)	55	48	41	–	2	0·0
	Eskdalemuir ...	52	39	31	–	1	1·1
	Point of Ayre...	57	51	*	–	4	1·3
13A	Tiree	56	52	51	0·1	11	0·0
13B	Stornoway ...	55	52	49	–	3	0·0
15	Dalwhinnie ...	48	44	41	–	3	0·1
	Aberdeen † ...	52	49	46	–	*	0·0
	Wick ...	54	49	46	–	0·1	*
16	Sumburgh ..	53	50	48	–	–	0·0
17	Blacksod Point	56	51	*	14	3	*
18	Malin Head ...	61	52	*	Tr	2	0·0
	Aldergrove ...	55	52	40	Tr	15	0·0
19	Birr Castle ...	58	54	51	2	4	0·1
20	Valentia Obsy.	57	56	53	3	4	0·0
	Roches Point	56	53	*	10	15	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 30th October				18h. G.M.T.				01h. G.M.T. 31st October				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	
100 57	05652	42527		57	05663	17525		07	05550	42524		5-	05556	15426	
115 55	02754	20227		53	02754	20226		52	11745	16428		52	61735	20368	
203 5-	02848	16428													
206 57	05664	20426		07	05590	16327		07	05630	12426		--	62538	16168	
210 07	05630	18326		07	05630	13327		07	05630	12318		52	62563	12368	
219 57	05646	14628		57	05645	47628		02	64538	14668		52	02645	16626	
230 57	05655	10126		57	05656	10327		02	64548	12268		62	62647	14268	
245 51	05541	18226		01	05590	16326		50	05543	17223		51	61445	18166	
260 07	04380	04246		09	08490	00044		00	08490	04200		52	62458	08268	
276															
270 00	05550	14227		64	05590	12114		57	08464	32115		02	52468	00058	
280 23	05625	14427										5-	62528	10368	
288 5-	05655	14426		52	05556	15428		5-	05557	15427		5-	61548	16368	
575 62	05634	14428		62	64435	48468		62	61634	47368		57	05635	16327	
301 57	05645	12427		5-	05548	14428		07	05590	13528		52	22526	10468	
321 5-	05657	12327		5-	05548	12328						62	67226	10228	
290 5-	05648	14428		5-	05648	12428		5-	03248	20428		5-	05648	20328	
292 5-	05548	14328						5-	05538	14326		02	61428	14228	
310 27	02426	20426													
614 5-	05545	12327		5-	47337	12248		5-	08446	12228		5-	62335	12268	

13h. G.M.T. 30th October				18h. G.M.T.				01h. G.M.T. 31st October				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 05	05620	12327		04	05690	13224		02	61688	47468		5-	05648	14368	
334 --	45603	12214													
340 5-	05555	14428		5-	05538	14328		5-	08438	14228		5-	61428	14328	
136 51	21536	10358		5-	05548	14258		5-	05546	12326		5-	08428	12328	
230 53	05654	12326		53	05654	12317									
358 5-	05535	10127		5-	08435	14228		5-	47328	10228		52	62435	12266	
368 5-	05558	12428		57	08453	12314		5-	62448	12268		57	05544	12168	
378 5-	05524	12327		5-	05536	10326						--	22103	14465	
390 5-	08448	10248		5-	45247	08147		5-	45335	12245		5-	45248	14148	
382 5-	05548	11318		50	08453	10113		5-	08428	14327		52	22535	13268	
438 57	05546	12317		50	05744	12314		50	05563	12313		57	05545	14217	
430 5-	05555	08415		04	05590	07211		5-	08435	08125		57	08465	06227	
400 50	05641	45627		59	61652	12628		57	22646	14568		67	61634	15468	

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 31st October, 1943.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather. Morning	Weather. Afternoon	Weather. Night
Kew ...	cmw	cmfw	dfcmwr
Croydon ...	bfcmbcm$_o$	bcmbmbf	bfbcmcir$_o$
Greenwich ...	cmmo	cmo	cir$_o$
Camden Square ...	o	o	*
Kensington ...	cbc	cmo	*
Hampstead ...	o	or	of

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max Time 18h 30th. Min Time 0·1 2-5h 31st

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. 15h % Yesterday	Humidity. 9h % To-day
Kew ...	51	47	37	–	0·1	0·0	*	*
Croydon ...	52	46	39	–	0·1	0·4	*	*
Greenwich ...	49	46	38	–	Tr	0·0	93	96
Westminster ...	54	48	43	–	0·3		93	95
Regents Park ...								
Camden Square ...	52	47	39	–	0·3	*	*	97
Kensington ...	54	47	38	–	0·3		92	96
Hampstead ...	51	44	40	–	0·3		*	98