M.O. Form 2373

SECRET

THE DAILY WEATHER REPORT

BRITISH SECTION

1st January to 31st March,

1942

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

INTRODUCTION

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

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

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

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

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

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

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

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

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

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

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

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

Form of Medium Cloud (C_M) – Columns 11, 26

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

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

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

Cloud Form Abbreviations

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

Cloud Amount – Columns 13, 14, 28, 29

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

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

	Objects not visible at
0 Dense fog	55 yards
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	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.

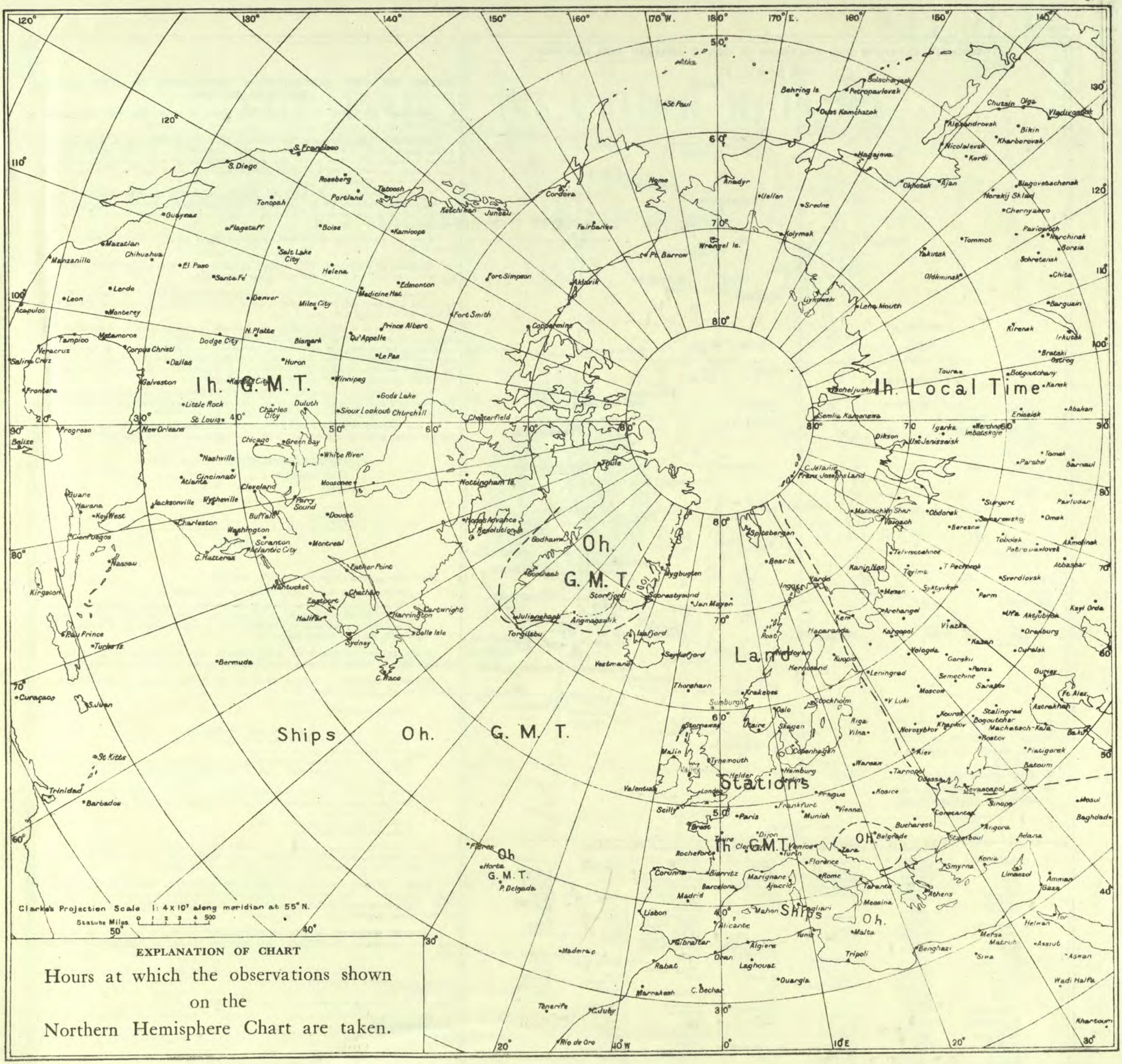
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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.
Land
Ships Oh. G. M. T.
Stations
1h G.M.T.
Oh.
Ships Oh.
Oh G.M.T.
Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500
EXPLANATION OF CHART
Hours at which the observations shown on the Northern Hemisphere Chart are taken.

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND.

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

FORECAST DISTRICTS and the Counties comprised within them

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14. *Mid Scotland.*
Perth.

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

16. *Orkneys and Shetlands.*

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

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

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

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

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT

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

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

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

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

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

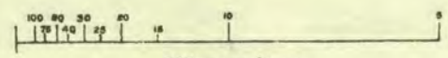
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on page 2 of the Report and for intervals of 4 millibars on Page 3.

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

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

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

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



Miles per hour.

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

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

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

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

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

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

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

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

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

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

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

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

Pp.228/4254.Wt.8131a.D.6028.Gp.948/3.325.7/42

SECRET

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLGICAL OFFICE, LONDON

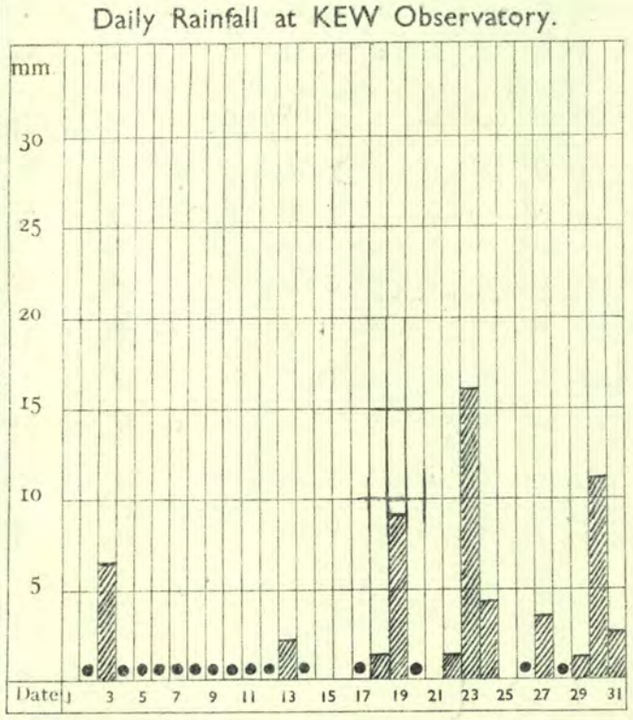
MONTHLY SUPPLEMENT, January 1942 No. 301

Cold, with much snowfall, especially in the East.

The outstanding feature of this January as with the preceding two Januarys, has been its general cold character, which has been almost unbroken in the East. There have been milder periods elsewhere, especially in the Southwest; this area too, together with Western Scotland and Ireland has had rather more sunshine than in an average January, but in other areas, sunshine was deficient.

Precipitation, which, except in the western half of the country, fell almost entirely as snow, was everywhere in excess of the normal, especially in Scotland and Ireland. The dominant feature of the month was the immensely deep mass of cold air which persisted over and to the east of the country. Cyclonic activity was often marked over Iceland and the Atlantic, but the series of depressions occluded rapidly and secondaries broke off southeastwards. The associated fronts from the West became stationary over our western districts and either died out or retrogressed. To the east of these fronts there was much snowfall, while western districts had copious rain. Temperature was generally below average, particularly in the eastern half of the country, and only exceeded 50°F in the East on the 4th of the month, the maxima in this half of the country averaging out at about 37°F (about 7°F below normal) and readings of 26°F were general on the 22nd. Dunstable reported that the temperature there remained at 32°F or below, from the 14th to 23rd. Minima, too, were also very low, a figure of 8°F in the screen and 3°F on the grass being reported from South Farnboro' on the 15th. London too, had more than one day with grass minima below 10°F. The snowstorm of 19-20th attained the intensity of a blizzard in Eastern England when drifts up to 6ft were reported in the Home Counties. On the morning of the 20th there was a snow cover of 3-6 ins. over almost all the southeastern part of the country. This third week too, brought much snow to Scotland, Renfrew reporting a depth of 14ins. lying by the 22nd. A thaw was general on the 24th, but during the last week, more snow was experienced. Fog was infrequent, though it was widespread at the beginning of the month. Strong winds were reported on several occasions, reaching gale force at times, but severe gales were rare.

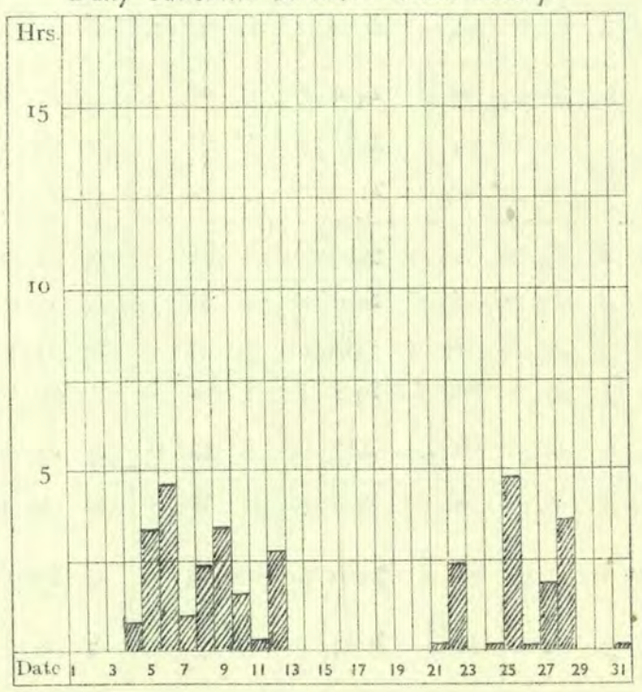
Daily Rainfall at KEW Observatory.



● = less than 0·5 mm.

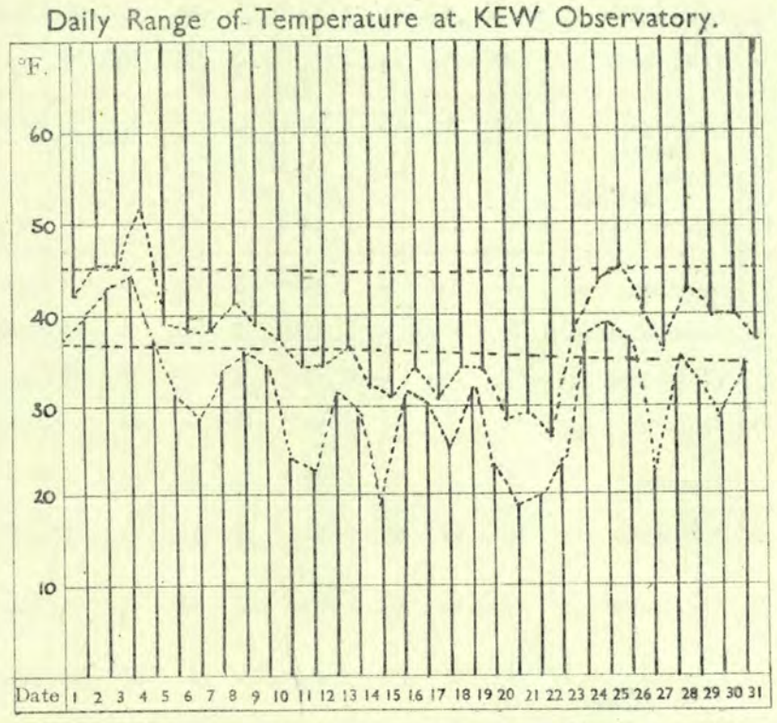
RAINFALL. Total for Month. 57 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month, 32 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	1015·8	−1·8	34·3	−7·0°
Aberdeen	1012·3	+1·1	35·0	−4·5°
Valentia	1015·0	0·0	44·8	−0·3°

* 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
1	2	2

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

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

	miles
Kew ...	6627
Aberdeen ...	7691
Lerwick ...	20291
Valentia ...	

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District	Stations	† TEMPERATURE. Number of daily readings within fixed limits. Maximum. 32° or below	33° – 41°	42° – 50°	51° – 59°	Average Maximum. °F.	Minimum. 23° or below	24° – 32°	33° – 41°	42° – 50°	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.
1	London ...	6	18	6	1	45.2	7	10	12	2	37.5	51	4	26	22	44	4	19	{15 24}	23
	(Kew Obsy).																			
	Croydon ...	7	17	6	1	44.9	6	13	9	3	37.1	52	4	26	22	43	4	18	22	18
	Thorney Island	5	14	11	1	45.3	6	8	14	3	38.3	52	4	26	22	45	4	16	15	15
	Lympne ...	8	17	6	0	43.4	11	10	10	0	35.9	49	4	24	22	41	3	15	12	*
2	Shoeburyness...	3	20	7	1	45.2	4	14	11	2	35.4	51	4	26	22	42	{3 4}	21	{12 13 27}	24
	Gorleston ...	7	19	5	0	44.3	1	20	8	2	36.8	50	4	26	{21 22}	42	{3 4}	22	27	21
	Cranwell ...	8	18	5	0	43.3	6	12	11	2	34.7	50	4	23	22	45	4	16	{21 27}	21
3	Birmingham ...	7	17	7	0	43.2	6	13	11	1	36.0	48	4	23	22	44	4	19	22	19
	(Edgbaston)																			
4	Ross-on-Wye...	5	16	9	1	45.5	5	10	13	3	37.2	51	4	27	{20 22}	46	4	19	{11 12}	17
5	The Lizard ...	0	2	27	2	*	0	2	19	10	*	51	{23 24}	40	11	49	4	31	25	*
7	Holyhead ...	0	8	22	1	46.4	0	7	19	5	41.6	51	3	35	22	48	{2 3}	29	11	10
	(Valley)																			
8	Chester ...	6	13	10	2	46.0	2	16	9	4	36.9	52	3	25	22	48	{2 3}	23	{22 23}	18
	(Sealand)																			
10	Tynemouth ...	5	20	5	1	44.1	1	13	13	4	37.3	52	3	24	22	47	3	23	22	16
11	Leuchars ...	5	21	4	1	43.4	0	19	10	2	34.4	51	3	29	22	45	3	25	11	24
12	Renfrew ...	4	18	8	1	43.6	1	17	11	2	35.3	51	3	29	10	48	3	20	11	19
	Eskdalemuir ...	12	15	4	0	40.7	7	19	3	2	32.4	48	3	23	22	44	4	19	{6 24}	23
13B	Stornoway ...	0	7	24	0	44.6	0	5	23	3	37.8	49	{1 2}	35	5	48	3	29	5	*
15	Aberdeen ...	3	22	5	1	43.1	0	18	13	0	35.8	51	3	29	26	38	{7 24}	25	{11 26 29}	18
18	Aldergrove ...	0	14	16	1	43.3	0	10	18	3	35.4	51	3	33	14	46	3	24	10	11
19	Birr Castle ...	0	4	22	5	46.4	0	13	12	6	37.4	53	3	31	12	48	3	24	10	16
20	Valentia ...	0	1	20	10	44.0	0	2	15	14	42.3	55	24	41	5	50	{2 3}	31	12	7
	(Cahirciveen)																			

District	Stations	LOW CLOUD. Number of observations within fixed limits. 7 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	FOG, MIST and GOOD VISIBILITY. Number of observations within fixed limits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
1	London ...	1	28	0	0	22	0	1	25	0	0	1	3	2	2	0	1	5	2	0
	(Kew Obsy).																			
	Croydon ...	3	20	1	1	24	0	4	19	0	0	0	3	8	1	0	0	2	9	0
	Thorney Island	3	23	2	4	22	1	6	20	1	0	0	0	4	4	0	0	1	3	11
	Lympne ...	5	20	0	2	23	0	4	21	0	0	0	3	8	3	0	0	0	5	5
2	Shoeburyness...	3	21	1	1	22	2	2	22	0	0	0	1	2	2	0	0	3	2	7
	Gorleston ...	4	27	0	1	30	0	4	27	0	0	1	0	0	4	0	0	1	0	10
	Cranwell ...	5	19	1	5	21	2	4	17	0	0	0	5	6	1	0	0	1	3	5
3	Birmingham ...	6	14	0	6	18	0	7	14	0	0	1	9	10	1	0	0	1	6	3
	(Edgbaston)																			
4	Ross-on-Wye...	5	22	0	8	19	0	10	19	0	0	1	2	1	11	0	0	2	1	9
5	The Lizard ...	0	31	0	2	29	0	2	29	0	0	0	0	0	30	0	0	1	1	25
7	Holyhead ...	4	24	1	7	21	0	3	28	0	0	0	1	1	18	0	0	0	2	19
	(Valley)																			
8	Chester ...	5	20	1	6	20	3	5	21	0	1	0	5	4	4	0	0	2	7	6
	(Sealand)																			
10	Tynemouth ...	0	30	0	0	31	0	0	31	0	0	0	0	1	8	0	0	2	6	8
11	Leuchars ...	4	20	0	9	21	0	6	22	0	0	0	0	3	13	0	0	0	1	13
12	Renfrew ...	4	25	0	9	17	0	6	23	0	0	2	1	4	6	0	0	9	4	7
	Eskdalemuir ...	19	7	0	19	12	0	19	11	0	0	0	2	6	8	0	1	1	3	9
13B	Stornoway ...	1	30	0	2	29	0	2	29	0	0	0	0	0	27	0	0	0	0	29
15	Aberdeen ...	5	22	0	7	19	0	6	20	0	0	0	3	3	5	0	0	2	4	6
18	Aldergrove ...	10	18	0	10	19	1	8	18	1	0	1	0	1	19	0	1	0	0	19
19	Birr Castle ...	0	21	0	0	24	0	0	26	0	0	0	0	0	31	0	0	0	0	31
20	Valentia ...	2	27	0	5	25	0	1	30	0	0	0	0	0	26	0	0	0	0	23
	(Cahirciveen)																			

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	1800	38.3	28.7	62.	36.5	62.	39.0	30
850	4690	30.7	21.5	62.	27.2	62	29.1	30
750	7,910	21.4	14.1	62.	18.5	62	20.8	30
650	11,510	9.4	4.8	61.	7.8	62	10.4	30
550	15,620	-5.8	-9.3	61.	-6.1	62	-4.0	30

† 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).

UPPER WINDS.

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

Station.	Lympne. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Plymouth (Mt. Batten). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Holyhead (Valley). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Renfrew. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Station.
	kilometres per hour.						kilometres per hour.						kilometres per hour.						kilometres per hour.						
Height. Metres.																									Height. Metres.
500 above ground	75	10	39	18	2	0	15	4	8	3	0	0	18	5	12	0	0	0	31	19	11	0	0	0	500 above ground.
1000 above M.S.L.	55	13	34	8	0	0	12	4	4	4	0	0	8	2	5	0	0	0	18	6	11	0	1	0	1000 above M.S.L.
2000 " "	16	7	8	1	0	0	3	2	1	0	0	0	6	3	3	0	0	0	6	2	2	2	0	0	2000 " "
3000 " "	2	1	1	0	0	0	0	0	0	0	0	0	4	1	1	2	0	0	2	0	1	1	0	0	3000 " "
4000 " "	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	1	0	1	0	0	0	4000 " "

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

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

SUNSHINE, RAINFALL, AND HUMIDITY JANUARY 1942

District	Stations	SUNSHINE. Number of Days with Duration: Nil	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration: Hours.	Date.	Total for past 12 months. Hours.	Difference from average. Hours.	Total for Month. Hours.	Difference from average. Hours.	Highest and Lowest Totals on record for Month: First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.	RAINFALL. ‡Number of days with amount: 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hours: mm.	Date.	Total for past 12 months. mm.	Difference from average. mm.	Total for Month.‡ mm.	Difference from average. mm.	Highest and Lowest Totals on record for Month: First year of record	Highest. mm.	Year	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London ... (Kew Obsy).	14	12	5	0	0	4·8	25	1347	-122	32	-12	1880	74	1891 1905	16	1885	15	7	5	3	1	0	16	23	712	+10	57	+12	1856	124	1877	11	1892	0	13
	Croydon ...	14	15	2	0	0	5·9	25	1437	-88	31	-17	1922	67	1927	25	1935	17	4	7	1	2	0	19	23	691	+12	67	+15	1921	137	1937	29	1935 1929	0	12
	Thorney Island	*	*	*	*	*	*	*	*	*	*	*	1941	*	*	*	*	14	5	7	4	1	0	20	19	*	*	79	+21	1941	181	1906	10	1880	1	7
	Lympne ...	17	6	6	2	0	6·4	6	1673	-92	51	-7	1921	91	1940	33	1941	19	2	6	3	0	1	27	23	679	-45	68	+12	1920	124	1939	30	1929	0	10
2	Shoeburyness ...	14	12	5	0	0	5·3	5	1470	-286	39	-18	1919	77	1933	32	1941	21	4	2	4	0	0	14	23	463	-40	44	+10	1920	93	1937	23	1932	1	14
	Gorleston ...	*	*	*	*	*	*	*	*	*	*	*	1908	84	1910	27	1915	14	6	6	4	1	0	17	23	602	-20	70	+26	1871	142	1939	3	1880	1	11
	Cranwell ...	15	10	5	1	0	6·1	11	1369	-169	40	-15	1921	69	1932	30	1941	10	11	6	2	2	0	16	19	693	+103	64	+20	1917	95	1939	18	1932	0	14
3	Birmingham ... (Edgbaston)	19	8	3	1	0	6·4	11	1149	-155	34	-10	1887	73	1905	8	1917	12	5	8	4	2	0	17	30	825	+151	91	+40	1893	148	1939	21	1908	0	11
4	Ross-on-Wye ...	13	12	4	2	0	6·6	11	1368	-117	51	-4	1915	91	1933	34	1921	16	5	4	6	0	0	11	19	661	-56	60	-2	1859	156	1869	7	1898	0	6
5	Falmouth ... (Observatory)	8	10	8	5	0	7·8	26	1704	-6	84	+24	1881	87	1895	22	1884	6	5	11	7	0	2	29	23	998	-109	142	+35	1871	246	1875	25	1880	2	2
7	Holyhead (Valley)	*	*	*	*	*	*	*	*	*	*	*	1914	102	1933	29	1914	9	3	8	7	3	1	33	12	828	-59	176	+102	1871	190	1877	19	1880	0	2
8	Chester ... (Sealand)	15	11	4	1	0	6·1	9	1331	-45	41	-12	1923	71	1933	33	1939 1941	11	6	9	5	0	0	14	22	619	-19	82	+35	1922	155	1936	31	1929	0	11
10	Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	1935	*	*	*	*	8	12	5	6	0	0	14	23	660	+39	77	+36	1915	107	1939	15	1932	0	12
11	Leuchers ...	21	8	2	0	0	4·9	14	1169	-301	21	-37	1922	84	1931	32	1926	9	6	9	6	1	0	17	3	700	+47	93	+47	1922	124	1928	22	1929	0	15
12	Renfrew ...	20	7	4	0	0	5·9	5	1082	-111	25	-9	1921	49	1931	9	1940	10	5	4	8	4	0	23	21	917	-22	160	+75	1921	241	1928	22	1941	0	14
	Eskdalemuir ...	17	8	5	1	0	6·2	5	1124	-77	39	+4	1910	57	1940	12	1913	8	5	6	7	4	1	32	3	1398	-31	211	+74	1910	394	1928	43	1941	0	20
13B	Stornoway ..	16	9	6	0	0	5·1	29	1206	-9	39	+12	1881	60	1939	12	1907	5	4	13	9	0	0	14	24	919	-347	115	-16	1870	373	1872	33	1881	0	6
15	Aberdeen ...	21	9	1	0	0	4·6	14	1135	-194	18	-29	1881	85	1881	15	1885	7	5	11	7	1	0	18	23	871	+123	115	+60	1871	125	1937	16	1905	0	18
18	Aldergrove ...	12	12	5	1	0	7·3	29	1134	-163	46	+1	1927	64	1928	27	1938	5	6	8	11	1	0	20	31	916	+78	143	+73	1926	130	1928	31	1935	0	6
19	Birr Castle ...	12	9	10	0	0	5·8	26	*	*	57	+8	1881	91	1897	24	1884	7	7	11	5	1	0	20	15	790	-37	105	+33	1862	148	1890	17	1881	0	0
20	Valentia ... (Cahirciveen)	*	*	*	*	*	*	*	*	*	*	*	1880	128	1881	16	1898	2	3	11	10	3	2	32	15	*	*	242	+103	1866	296	1937	27	1935	1	0

MINIMUM SURFACE HUMIDITY.

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

Stations	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew) ...	0	0	10	7	8	6	0	0	0	0
Ross-on-Wye ...	1	4	7	9	8	2	0	0	0	0
Falmouth (Obsy.)	0	1	12	14	4	0	0	0	0	0
Renfrew ...	0	3	13	8	6	0	1	0	0	0
Eskdalemuir ...	0	1	9	14	6	1	0	0	0	0
Aberdeen ...	0	3	7	11	9	1	0	0	0	0
Valentia ...	0	2	7	11	8	3	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	16	0	4	3	0	1	3	4	0
Ross-on-Wye ...	0	21	0	4	1	1	1	0	3	0
Renfrew ...	0	11	3	9	1	0	1	2	1	3
Eskdalemuir ...	0	3	0	1	4	0	2	0	13	8
Aberdeen ...	0	13	0	2	3	0	2	4	5	1
Valentia ...	0	31	0	0	0	0	0	0	0	0

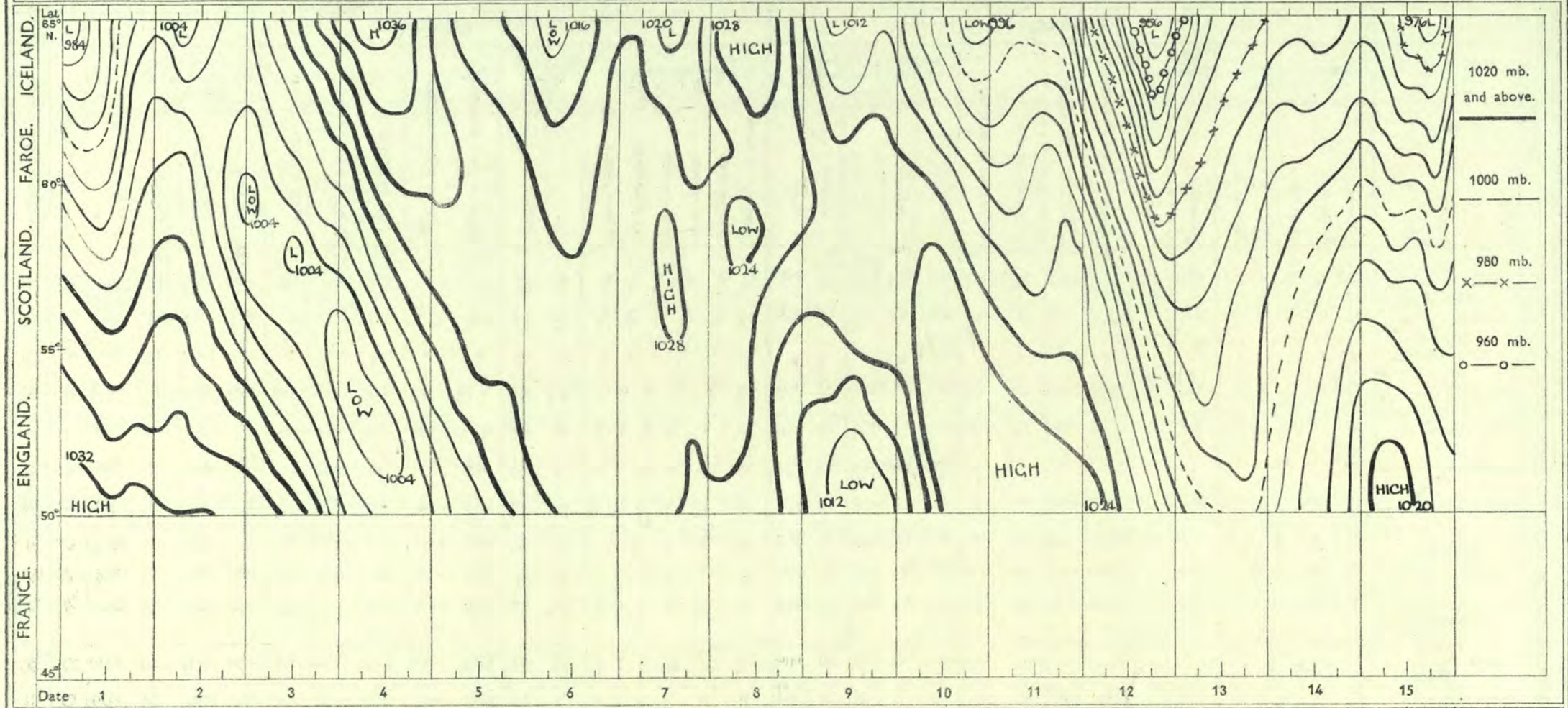
CODE for State of Ground.

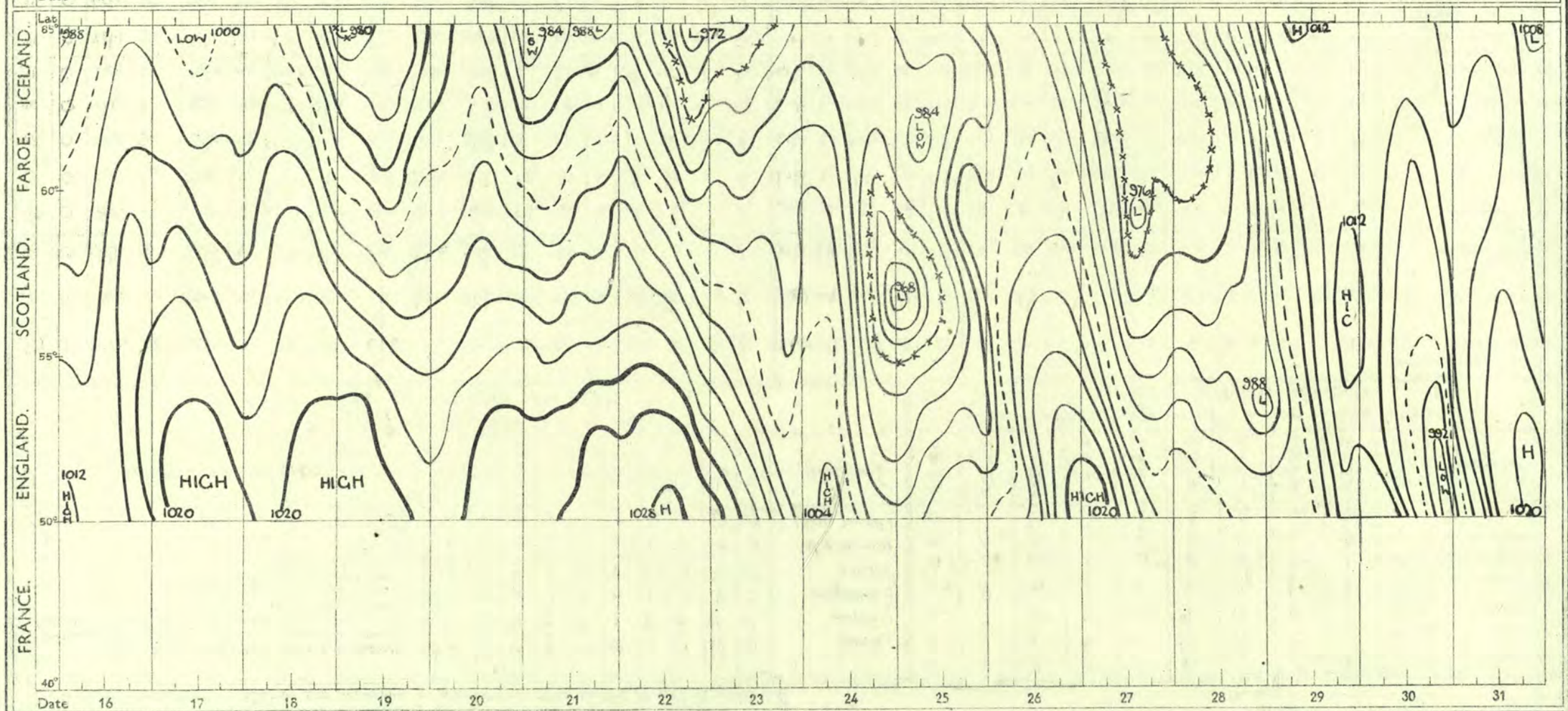
0 Dry.
1 Wet.
2 Flooded.
3 Frozen hard and dry
4 Partly covered with snow or hail.
5 Covered with ice or glazed frost
6 Covered with thawing snow.
7 Covered with snow, less than 6 in., but ground not frozen
8 Covered with snow, less than 6 in., and ground frozen
9 Covered with snow, greater than 6 ins.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

‡ 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 ..... January ..... 1942.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.





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

G.594/4172. Wt.8131. D.6028. Gp.948.525.2/42.

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

SECRET

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

BRITISH SECTION

Thursday 1st January 1942

No. 29260

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

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)	33·5	−8	SW	2	of	39	92	36	2	5	–	–	10	10	4000
	Croydon ...	33·4	−2	SW	1	m	38	85	34	4	5	–	–	10	10	3000
	S. Farnborough	33·9	−10	WNW	1	z_o	39	85	35	5	5	–	–	10	10	3500
	Boscombe Down	34·6	−6	NW'W	1	cf	35	92	33	3	5	–	–	9+	9+	3500
	Thorney Island	33·9	−8	NW	2	z_o	42	85	36	5	5	–	–	10	10	4000
	Lympne ...	33·3	+6	NW	2	m	37	92	35	4	5	–	–	10	10	4000
	Manston ...	33·3	−6	WNW	2	of	38	92	35	3	5	–	–	10	10	3500
2	Shoeburyness ...	33·3	−4	W	2	of	39	85	35	3	5	–	–	10	10	4000
	Felixstowe ...	32·9	−4	NW'W	3	m	38	85	34	4	5	–	–	10	10	4300
	Gorleston ...	32·3	−6	WNW	2	cf	34	92	33	3	5	3	–	4-6	7-8	1500
	Mildenhall ...	33·1	−2	SW'W	2	cf-	36	97	35	3	5	–	–	9+	9+	4000
	Cranwell ...	32·9	−2	W	2	of	38	85	35	3	5	–	–	10	10	4500
3	Birmingham ...	33·7	−2	NNW	1	of	39	85	36	3	5	–	–	10	10	800
	Upper Heyford	33·7	−6	WNW	1	m/f	35	97	35	4	5	–	–	10	10	2500
4	Ross-on-Wye	33·9	−6	SE	1	of	32	97	31	2	5	–	–	10	10	800
5	Hartland Point	33·4	−6	E	2	bc	43	75	36	7	–	4	–	0	2-3	–
	Bristol ...	34·2	−14	–	0	cf-	32	97	31	2	5	–	–	9+	9+	3500
	Portland Bill ...	32·4	+14	E	2	bc	45	92	43	8	2	–	–	4-6	4-6	4000
	Plymouth ...	34·3	−6	–	0	m	42	85	37	4	–	4	–	0	4-6	–
	The Lizard ...	33·3	−4	ESE	3	c	47	75	38	8	5	2	–	9	10	1500
	Scilly (St. Mary's)	33·0	−2	SE	2	c	47	75	40	7	5	–	–	10	10	2200
	Guernsey ...															
6	Pembroke ...	34·0	−2	ENE	2	m	42	97	41	4	5	–	–	9+	9+	2500
7	Holyhead ...	32·7	−6	–	0	c	44	85	34	7	5	–	–	10	10	3000
	Chester (Sealand)	33·6	+10	–	0	of-	41	92	38	8	5	–	–	10	10	3600
8	Manchester ...	33·3	−6	–	0	of	38	97	37	2	5	–	–	10	10	3500
10	Spurn Head ...	32·4	−2	N'N	3	m	38	85	34	4	5	3	–	0	4-6	–
	Catterick ...	32·7	−4	–	0	z_o	41	92	35	5	–	3	–	0	9	–
	Tynemouth ...	32·2	0	WNW	4	z_o	40	75	31	6	5	3	–	4-6	7-8	2500
11	St. Abbs Head	31·0	+2	WSW	3	c	40	85	38	7	8	4	–	4-6	7-8	2500
	Leuchars ...	30·3	−10	SW	2	z_o	38	85	35	5	5	3	–	7-8	9	4500
12	Renfrew (Abbotsl.)	31·4	−8	–	0	of	38	92	36	3	5	–	–	10	10	2500
	Eskdalemuir ...	33·3	−2	–	0	0	29	97	27	6	5	–	–	10	10	800
	Point of Ayre ...	32·9	−2	SW'S	1	0	45	75	38	8	5	–	–	10	10	4000
13A	Tiree	29·0	−10	SSW	3	c	46	85	40	8	5	–	–	7-8	7-8	3500
13B	Stornoway ...	27·2	−12	SSW	6	c	46	92	43	8	5	7	–	9	10	2000
15	Dalwhinnie ...	30·8	−2	SW	2	c	37	85	44	8	5	3	–	4-6	9+	2500
	Aberdeen ...	29·2	−8	–	0	c	41	92	39	5	5	–	–	7-8	7-8	3500
	Wick ...	28·3	−6	SW'W	2	c	44	85	38	9	5	3	1	7-8	9	5700
16	Sumburgh ...	26·3	−2	W	3	c	45	97	44	8	5	–	–	2-3	9+	1000
17	Blacksod Point	28·5	−4	SE	4	bc	48	75	40	8	–	6	–	0	2-3	–
18	Malin Head ...	29·6	−10	S	3	c	43	75	36	8	2	6	–	4-6	7-8	4000
	Aldergrove ...	32·2	−6	SW	2	c	42	75	32	7	5	–	1	9+	9+	3200
19	Birr Castle ...	31·7	0	SE	1	c	43	85	39	8	5	–	–	9	10	4000
20	Valentia Obsy.	29·8	−2	SE	4	0	49	75	41	9	5	–	–	10	10	4000
	Roches Point	31·8	−2	S	4	c	49	75	41	8	5	–	–	9+	9+	2500

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

Barom. at M.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)
33·5	0	WSW	2	of	39	92	36	2	5	–	–	10	10	2500	1	*
32·5	−6	W	1	m	38	85	34	4	5	7	–	7-8	10	4500	1	*
33·9	−4	W	1	m	37	92	35	4	5	–	–	10	10	3600	1	*
34·1	+2	N	1	cf+	37	92	34	3	5	–	–	9+	9+	3000	1	*
33·5	0	NNW	1	z_o	40	85	36	5	5	–	–	10	10	4300	1	*
32·8	−2	NW	2	of+	36	92	34	3	5	–	–	10	10	3500	1	§ 2
33·0	+2	NW'W	1	of	37	92	35	2	5	–	–	10	10	2500	1	*
32·8	0	W'N	2	of+	38	85	35	2	5	–	–	10	10	4000	1	*
32·6	+2	NW'W	2	of+	38	92	35	3	5	–	–	10	10	4000	1	2
32·2	0	NW'W	2	cf+	35	85	32	2	5	–	–	9+	9+	1500	1	1
32·7	+2	WSW	2	cf	35	97	34	2	5	–	–	9+	9+	2500	0	*
32·9	+2	WNW	1	of	37	92	35	2	5	–	–	10	10	4500	1	*
33·4	0	NW	2	of	39	85	35	2	5	–	–	10	10	1500	1	*'
33·5	−2	WNW	1	m	36	97	34	4	5	–	–	10	10	2800	1	*
33·6	−4	SW'W	1	of	33	97	32	3	5	–	–	10	10	600	1	*
33·3	+2	ESE	3	c	40	75	32	7	5	–	–	9+	9+	4000	1	2
34·2	+4	–	0	of-	34	97	34	2	5	–	–	10	10	3500	1	*
33·0	+2	NE	2	c	43	92	41	8	2	4	–	4-6	10	4000	1	4
34·1	+2	–	0	cf+	39	85	35	3	5	–	–	9+	9+	4000	1	2
33·5	+2	SSW	3	c	46	92	44	7	8	2	–	9	10	2000	0	3
33·2	+4	SSW	2	c	46	85	40	6	5	–	–	9+	9+	1800	1	3
33·1	−10	SE'S	4	z_o	45	85	40	5	8	–	–	9+	9+	5700	1	2
31·9	−4	S'E	3	d.d.	45	85	41	6	5	–	–	10	10	1200	1	2
32·8	−2	SE'S	1	cf+	40	85	35	3	5	–	–	9+	9+	4400	1	*
33·1	+2	–	0	of	38	92	36	2	5	–	–	10	10	2500	1	*
32·1	0	WNW	2	m	40	92	38	4	5	–	–	10	10	800	1	2
32·8	+2	W	1	bf	32	92	37	3	+	–	1	0	Tr	–	1	*
31·7	+2	W	2	bc	38	85	33	6	2	–	–	2-3	2-3	2500	1	3
30·1	−4	SW	3	c	38	97	37	7	5	2	–	7-8	10	2500	0	2
29·4	−2	SW	2	z_o	36	92	34	5	+	3	–	0	9	–	1	*
30·2	−6	WSW	1	z_o	40	85	36	6	5	–	–	9+	9+	2000	1	*
31·3	−4	S'W	2	c	33	87	32	7	5	–	–	9	9	800	3	*
31·5	−8	SW'S	1	0	43	85	38	8	5	–	–	10	10	4000	0	2
27·1	−4	SSW	1	c	44	92	42	8	5	–	–	9	9	2800	0	3
25·6	−2	SSW	6	c	46	75	38	8	8	7	–	7-8	9+	1500	1	3
30·1	−6	S	2	bc	32	92	31	8	2	3	–	2-3	4-6	4000	0	*
28·0	−8	NW	1	cF+	37	92	37	1	–	3	–	0	7-8	–	1	*
27·2	−2	WSW	2	c	42	85	37	9	5	–	–	9+	9+	5700	1	*
25·9	+2	WSW	3	c	47	92	45	7	5	–	–	9	10	1000	1	4
26·4	−12	S	6	c	49	75	41	8	–	6	–	0	9+	–	0	5
27·9	−10	S	2	bc	40	85	36	8	–	–	2	0	4-6	–	0	2
30·8	−6	SSW	2	c	43	75	35	7	5	–	–	9+	9+	3000	1	*
30·3	−6	S	1	c	43	85	39	8	5	1	–	9+	10	2500	1	
30·3	−6	S	5	c	48	75	41	8	8	–	–	9+	9+	1500	1	3

PAST 24 HOURS.

Weather. 7h.–13h. 31st. (39)	Weather. 13h.–18h. 31st. (40)	Weather. 18h. 31st to 1h. 1st. (41)	Weather. 1h.–7h. 1st. (42)
cltw	clf	clf	clf
cfcmcf	cm	cm	cm
cm.	cm.m	cm	cm
cfmf	cmf	cfcf	cfcm
cmcm.	cm	cmcfcm	cmm.
cfmcm	cmff	clf	clf
cmcmf	?	cfcf	cfc
clfc	clfc	cfcf	cf
cfcmff	cmcf	cfbfcf	cf
cfcf	cclfc	clfc	bclfx
cfxcf	cf	cfbfcfx	cfxcf
cmcff	cf	cf	cf
fcfo	cfcf	clf	clf
cfmfm	cm	cmf	cfcm
cfcm	clf	clf	clf
bc	bcc	c	c
cfcf	cfcf	cf.cf	clf
cbc	c	bc	c
bcjfmx	bcmcfw	cfcm	cmcm
c	c	c	c
c	c	cbc	c
cm	cmcm.	cm.	c
mcc	cdcm.	cdcdcc	cdcm.
cmff	clf	clf	cfm.
cf	cf	cf	cfmm.
cm	cm	cm.	cm.
cm.	cfm.	cmcmcm.	cm.
cmf	czcbff	bccclx	zcfcf
c	cbc	bcclf	cc
c	c	cbc	c
c	cbcc	cm.bmcx	bmcx
cm.	cfm.	cm.mcm.	cm.
clcx	cx	cmcx	cxc
c	c	c	c
c	c	cbc	c
c	cpr.	c	c
cc	cbcc	x	c
c	czcf	cF	cFcf
c	cbcc	c.b	bbc
bcc	c	c	bc
bc	c	cqr	pr
c	bc	bcc	c
c	c	c	c
bc	bc	bc	bc
c	c	qr.	r
bc	bc	bcc	bcc

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Light or moderate South or south-west wind. Cloudy. Local fog. Rather cold.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Moderate South to southwest wind, fresh locally. Mainly cloudy. Average temperature.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh southwest wind, strong on coasts, reaching gale locally. Cloudy. Occasional rain. Mild.
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland	As 13A–15.
19 S.E. Ireland 20 S.W. Ireland	As 7–12.

GENERAL INFERENCE

An anticyclone over France is moving south and a trough of low pressure south of Iceland, is moving southeast. Weather will be mainly cloudy in the South and Midlands, but in the north there will be occasional slight rain.

FURTHER OUTLOOK

Mainly fair in the South. Unsettled in the North.

Gale warnings in operation in districts 20, 17, 18 (part of), 13 time issued 2315h on 31:12:41. also in districts 12, 18 (part of), 15 (part of) & 16. time issued 0830h on 1:1:42.

Forecasts issued at 10.30h. G.M.T.

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

7h. Thursday 1st January, 1942

10° 5°w.° 0° 5° E. 10°

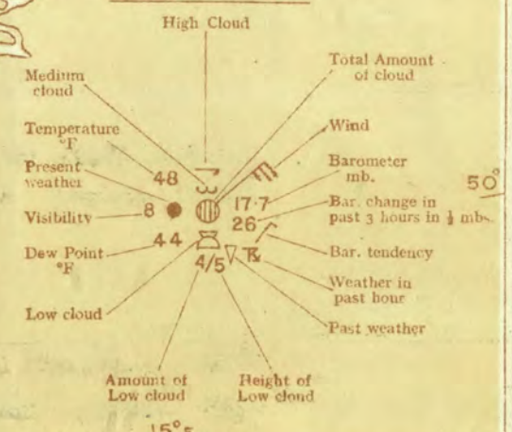
60° 55° 50°

1016 1018 1020 1022 1024 1026 1028 1030 1032 1034

LOW

HIGH

STATION MODEL



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

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 1st January
1942.

Clarke's Projection Scale 1 : 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Thursday 1st January 1942 — No. 29260

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

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	*	*	*	*	*	38	*	*	*	*	*	*	*	*	*
	Croydon ...	217	32·8	-2	WSW	1	m	37	92	34	4	5	-	-	10	10	1500
	S. Farnborough	226	33·5	-4	W'N	1	m	37	92	33	4	5	-	-	10	10	4000
	Boscombe Down	417	33·9	-4	NW	1	cf	36	97	35	3	5	-	-	9+	9+	4000
	Thorney Island	10	33·4	-4	NNW	1	m	38	92	35	4	5	-	-	10	10	4900
	Lympne ...	346	32·9	-2	-	0	cf	35	98	34	2	5	-	-	10	10	3500
	Manston ...	154	33·1	-2	W'N	1	cF	36	92	34	1	5	-	-	10	10	3500
2	Shoeburyness ...	11	32·9	-2	N	1	cf	35	92	34	2	5	-	-	9+	9+	4000
	Felixstowe ...	15	32·8	0	WNW	2	F+	33	97	33	1	-	-	-	10	10	4150
	Gorleston ...	5	32·3	0	NW'W	2	F	33	97	33	1	-	-	-	10	10	4150
	Mildenhall ...	19	32·8	0	SW'W	2	F	31	97	31	0	-	-	-	10	10	4150
	Cranwell ...	240	32·5	+2	WSW	2	cf	37	85	34	2	5	-	-	9+	9+	3000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	33·4	-2	WSW	1	cf	35	92	34	3	5	-	-	10	10	3000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	33·1	-2	SE	2	c	43	65	31	7	5	-	-	10	10	1500
	Bristol ...	209	34·0	-2	-	0	cF-	35	97	34	1	5	-	-	10	10	2500
	Portland Bill ...	32	32·9	-6	NNE	2	c	39	75	34	7	2	-	-	7-8	7-8	4000
	Plymouth ...	82	33·9	-2	E'S	1	m	36	92	33	5	5	-	-	9+	9+	4500
	The Lizard ...	240	33·3	0	SSW	1	c	47	75	38	8	5	2	-	9	10	1000
	Scilly (St.Mary's)	163	33·1	+2	SW'S	2	c	46	65	36	7	5	-	-	10	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	32·8	0	SE	4	m	46	85	40	6	8	-	-	10	10	2500
7	Holyhead ...	26	31·2	-2	S'W	5	c	46	85	42	7	5	-	-	10	10	2900
	Chester(Sealand)	16	32·6	-4	SSE	1	cf-	40	85	37	3	5	-	-	10	10	3100
8	Manchester ...	235	32·4	-4	WSW	2	cf	39	85	35	3	5	-	-	4-6	10	3000
10	Spurn Head ...	29	31·2	0	W	2	c	39	85	35	3	7	-	-	9+	9+	5700
	Catterick ...	175	31·9	-8	S'E	2	cf	32	97	31	3	5	-	-	9+	9+	3500
	Tynemouth ...	108	30·7	-8	W	3	cf-	37	97	34	3	5	-	-	10	10	1500
11	St. Abbs Head	280	28·8	-8	SW	3	bc	36	92	32	7	4	4	-	1	2-3	2500
	Leuchars ...	36	27·6	-6	W	1	m	35	97	34	5	-	3	-	0	2-3	-
12	Renfrew (Abbotsl.)	19	28·5	-10	W	1	m	38	75	31	6	5	-	-	10	10	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	30·2	-2	WSW	3	c	46	85	40	8	6	2	-	7-8	10	3500
13A	Tiree	22	29·4	-20	S	4	c	45	85	39	8	5	-	-	7-8	7-8	3800
13B	Stornoway ...	80	22·3	-18	SSW	6	c	47	92	45	7	8	7	6	9	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*
	Wick ...	119	24·4	-18	WSW	1	bc	37	85	33	9	-	3	-	0	2-3	-
16	Sumburgh ..	30	23·6	-10	WSW	3	c	46	75	40	8	5	-	-	10	10	3500
17	Blacksod Point	18	29·1	-10	S	7	cq	50	85	46	7	9	-	-	10	10	1500
18	Malin Head ...	84	25·2	-18	S	4	c	44	75	37	8	5	-	-	9	9	5700
	Aldergrove ...	268	29·2	-12	S	3	c	44	75	37	7	5	-	-	10	10	3500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	27·2	-14	S	5	ir.	50	75	43	8	5	-	-	10	10	2500
	Roches Point	22	30·2	-2	S	5	c	48	75	41	7	8	-	-	9+	9+	1500

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

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)	33·6	+2	SW	2	cf	38	92	37	3	5	-	-	10	10	2500	1	*
	Croydon ...	33·1	+2	SW	1	m	37	92	34	4	5	-	-	4-6	10	4000	1	*
	S. Farnborough	33·8	+2	SW	1	m	37	97	35	4	5	-	-	10	10	4000	1	*
	Boscombe Down	34·1	+4	-	0	m	36	92	34	4	5	-	-	10	10	2500	1	*
	Thorney Island	33·8	+2	NNW	1	N.	38	92	37	5	5	-	-	10	10	4600	1	*
	Lympne ...	33·1	+2	WNW	1	cf	35	97	34	2	5	-	-	10	10	4000	1	2
	Manston ...	33·3	+2	W'N	1	cf	36	92	34	2	5	-	-	10	10	4800	1	*
2	Shoeburyness ...	33·0	0	W	1	cf	38	85	34	3	5	-	-	10	10	4000	1	*
	Felixstowe ...	32·6	-2	WNW	3	F-	34	92	32	0	-	-	-	10	10	4150	1	*
	Gorleston ...	31·9	-2	WNW	2	bcF	30	92	29	1	5	-	-	2-3	2-3	800	3	2
	Mildenhall ...	32·7	+2	SSW	2	cf	35	97	34	2	5	-	-	10	10	3300	1	*
	Cranwell ...	31·1	-4	WSW	3	cf	38	85	35	3	5	-	-	10	10	3000	1	*
3	Birmingham ...	32·2	-2	SW	2	cf	39	78	33	2	5	-	-	9+	9+	2500	1	*
	Upper Heyford	33·5	+2	-	0	m	36	92	34	4	5	-	-	10	10	3000	1	*
4	Ross-on-Wye	32·7	-6	-	0	cf	34	92	33	2	5	-	-	10	10	800	1	*
5	Hartland Point	32·4	+2	SSW	3	c	43	65	33	7	5	2	-	9	10	4000	1	3
	Bristol ...	33·4	-2	NW	1	cf-	35	97	35	3	5	-	-	10	10	3800	1	*
	Portland Bill ...	32·4	+6	NNE	2	c	42	92	40	7	5	-	-	10	10	2500	1	3
	Plymouth ...	33·9	+2	E'S	1	m	37	85	34	4	5	-	-	10	10	2000	0	2
	The Lizard ...	33·4	+2	SW	3	c	47	75	38	7	8	2	-	9	10	1500	0	3
	Scilly (St.Mary's)	32·8	-2	SSW	2	c	46	65	36	8	5	2	-	7-8	10	1500	1	3
6	Pembroke ...	31·8	-2	SSW	4	c	48	75	39	7	8	1	-	9	10	2500	1	3
7	Holyhead ...	29·7	-6	SSW	6	id.	47	85	44	7	5	-	-	10	10	1400	1	4
	Chester(Sealand)	30·9	-4	SW	2	N.	44	75	34	5	5	-	-	10	10	3600	1	*
8	Manchester ...	30·3	-2	WSW	3	N.	39	85	36	6	5	-	-	10	10	4000	1	*
10	Spurn Head ...	31·1	-8	SSW	2	c	40	85	34	5	5	2	-	7-8	10	1500	0	3
	Catterick ...	29·9	-8	S	2	cf+	36	92	34	2	5	-	-	10	10	2900	1	*
	Tynemouth ...	28·6	-8	WSW	3	o	41	85	33	6	5	-	-	10	10	1500	1	3
11	St. Abbs Head	26·4	-12	SW	2	c	41	85	37	7	5	4	-	4-6	7-8	2500	0	2
	Leuchars ...	24·5	-12	-	0	N.	37	92	35	6	-	-	1	0	Tr	-	3	*
12	Renfrew (Abbotsl.)	25·2	-18	SSW	4	N.	45	75	35	6	5	-	-	9	9	4000	1	*
	Eskdalemuir ...	27·4	-16	SW'S	3	o	40	75	34	4	5	-	-	10	10	700	1	*
	Point of Ayre...	28·2	-8	SW	3	c	46	75	38	7	5	5	-	7-8	9	2500	0	4
13A	Tiree	20·0	-20	S	5	ror.	46	97	45	7	-	2	-	10	10	1800	1	5
13B	Stornoway ...	16·3	-28	SSW	7	pr	47	97	46	6	8	7	-	9	10	1000	1	3
15	Dalwhinnie ...	23·8	-18	SSW	4	c	39	85	32	7	5	3	-	4-6	7-8	2500	1	*
	Aberdeen ...	23·8	-20	NW	1	bf	29	92	27	3	-	4	-	0	1	-	3	2
	Wick ...	20·5	-22	SSW	4	bc	41	85	37	9	-	3	-	0	2-3	-	1	*
16	Sumburgh ..	19·1	-26	SW	3	b	43	85	38	9	5	4	-	1	1	5500	1	*
17	Blacksod Point	22·0	-6	S	7	pr	51	97	50	7	9	-	-	9	9	1500	1	6
18	Malin Head ...	21·9	-16	S	5	c	46	75	39	8	9	-	-	9	9	4000	0	4
	Aldergrove ...	26·7	-12	SSW	3	c	44	75	35	7	5	7	-	4-6	10	4500	1	*
19	Birr Castle ...	26·9	-8	S	3	c	47	85	43	8	5	1	-	7-8	10	4000	1	*
20	Valentia Obsy.	26·9	0	S'W	5	c	51	85	44	8	5	-	-	10	10	2500	1	4
	Roches Point	28·9	-4	S	5	c	50	85	46	7	8	-	-	9+	9+	1500	1	*

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 31st. Hrs.
		(33)	(34)	(35)	(36)	(37)	(38)
1	London (Kew)	39	37	34	-	-	0·0
	Croydon ...	39	36	35	-	-	0·0
	S. Farnborough	39	36	35	-	-	0·0
	Boscombe Down	38	35	33	-	-	0·0
	Thorney Island	42	37	35	-	-	*
	Lympne ...	38	34	33	-	-	0·0
	Manston ...	(38)	34	29	-	-	0·0
2	Shoeburyness ...	39	35	29	-	-	0·0
	Felixstowe ...	38	30	29	-	-	0·0
	Gorleston ...	36	29	28	-	-	*
	Mildenhall ...	37	27	22	-	Tr	0·0
	Cranwell ...	39	35	34	-	-	0·0
3	Birmingham ...	40	37	35	-	-	0·0
	Upper Heyford	37	35	34	-	-	*
4	Ross-on-Wye	33	33	32	0·1	*	0·0
5	Hartland Point	43	40	37	-	-	4·6
	Bristol ...	39	33	33	-	-	0·0
	Portland Bill ...	45	35	*	-	-	*
	Plymouth ...	44	35	31	-	Tr	1·8
	The Lizard ...	47	45	*	-	-	0·0
	Scilly (St.Mary's)	48	43	*	-	-	0·0
	Guernsey ...						
6	Pembroke ...	45	34	*	-	-	0·0
7	Holyhead ...	45	45	43	Tr	Tr	*
	Chester(Sealand)	41	39	38	-	-	0·0
8	Manchester ...	39	38	36	-	-	*
10	Spurn Head ...	40	38	*	-	*	1·1
	Catterick ...	41	28	22	-	-	1·1
	Tynemouth ...	40	37	35	-	-	*
11	St. Abbs Head	42	34	*	-	-	*
	Leuchars ...	38	34	23	*	-	0·0
12	Renfrew (Abbotsl.)	42	(38)	30	-	-	0·0
	Eskdalemuir ...	33	31	20	-	-	0·0
	Point of Ayre...	45	42	*	-	-	0·0
13A	Tiree	46	44	*	-	*	0·0
13B	Stornoway ...	47	45	*	Tr	0·1	0·0
15	Dalwhinnie ...	39	30	25	-	-	0·9
	Aberdeen ...	42	28	27	-	-	0·0
	Wick ...	45	43	33	0·1	-	*
16	Sumburgh ..	48	42	39	-	-	0·0
17	Blacksod Point	50	47	*	-	0·6	*
18	Malin Head ...	44	46	37	-	-	0·0
	Aldergrove ...	43	41	39	-	-	0·0
19	Birr Castle ...	44	42	41	-	-	0·0
20	Valentia Obsy.	49	48	46	-	Tr	*
	Roches Point	49	*	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 31st December: C_L C_M	ww	VV	hN$_h$	DD	FF	WN	01h. G.M.T. 1st January: C_L C_M	ww	VV	hN$_h$	DD	FF	WN	07h. G.M.T.: C_L C_M	ww	VV	hN$_h$	DD	FF	WN
109	5-	02	87	7	23	27	27								5-	01	86	3	18	41	3
115	52	02	94	5	20	42	8								54	02	84	4	20	42	7
203								5-	02	83	8	49	52	8	5-	01	83	8	16	42	8
206	5-	01	97	5	24	12	5	53	01	86	4	00	03	5	53	02	86	1	00	01	5
210	53	02	86	4	19	12	6	53	02	87	1	20	22	6	50	01	87	4	16	12	4
220	50	02	95	3	21	31	8														
230	5-	02	76	7	00	02	7	5-	02	85	7	00	02	7	57	01	74	7	18	32	7
245	27	02	76	2	24	12	7	03	05	53	0	24	12	1	54	03	56	1	24	22	7
260	5-	02	76	8	21	22	8	5-	05	65	8	20	22	8	5-	02	76	7	21	82	7
278	5-	02	86	7	18	22	7	5-	02	87	6	18	32	7	5-	02	76	8	20	32	7
279	5-	08	45	8	08	14	8	5-	08	45	7	00	02	7	5-	05	66	8	18	44	8
285	13	02	85	2	32	62	6	50	01	74	4	30	21	4	2-	31	58	6	28	46	6
288	53	05	56	2	00	01	7	5-	08	47	4	20	11	4	5-	08	46	8	18	22	8
575	53	01	86	4	11	22	4	53	02	86	4	11	71	7	53	02	75	5	49	42	7
301	6-	05	55	8	20	14	8	5-	45	35	8	16	14	8	5-	05	66	8	18	46	8
321	5-	47	35	8	00	04	8	5-	45	26	8	22	14	8	5-	45	36	8	18	14	8
299	52	05	65	4	28	21	7	5-	01	76	5	00	01	6	5-	08	45	8	23	22	8
292	03	05	69	0	24	12	6	07	08	49	0	22	11	3	5-	47	26	8	00	04	8
310	--	48	20	9	24	32	9	--	08	42	8	24	32	8							
614	87	49	36	5	24	14	7	5-	43	36	8	22	14	8	5-	45	36	8	00	04	8

III	13h. G.M.T. 31st December: C_L C_M	ww	VV	hN$_h$	DD	FF	WN	01h. G.M.T. 1st January: C_L C_M	ww	VV	hN$_h$	DD	FF	WN	07h. G.M.T.: C_L C_M	ww	VV	hN$_h$	DD	FF	WN
333	5-	02	74	8	00	02	8	5-	02	65	8	00	02	8	5-	05	66	8	16	32	8
334	--	03	64	7	20	12	8								--	03	65	6	00	02	8
340	5-	08	46	8	16	12	8	5-	47	36	8	14	14	8	5-	08	46	8	16	14	8
136	5-	45	26	7	25	24	7	03	47	00	0	26	14	7	5-	43	16	7	00	04	7
330	67	02	75	4	08	42	7					46	20	9	--	46	20	9	12	34	9
350	5-	05	56	8	20	14	8	5-	47	36	8	21	24	8	5-	43	26	8	20	24	8
368	--	48	10	9	00	04	9	--	46	20	9	00	00	9	5-	45	26	7	00	04	7
379	5-	05	65	7	24	22	7	5-	05	55	8	28	22	8	5-	05	55	8	24	12	7
390	5-	45	36	8	27	24	8	5-	45	87	8	26	24	8							
382	5-	08	46	9	25	22	8	5-	47	36	8	00	04	8	5-	43	26	8	00	04	8
438	5-	02	66	8	30	12	8								5-	02	55	8	32	12	8
430	5-	08	47	8	28	12	8	5-	08	46	8	00	02	8	5-	08	46	8	32	12	8
409	5-	02	86	7	10	32	7	5-	05	66	8	10	22	8	5-	05	66	8	10	22	8

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, Nh = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C_L C_M = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

For the 24 hours ending morning of 1st January
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 ...	cff w	cff	cff	Kew 24 hours ended 7h.
Croydon ...	cfcmcf	cm	cm	Max. Time
Greenwich ...	cff	cff	cff	Camden Square 1·0 10h.36m.
Camden Square	o	o	*	Min. Time
Kensington ...	of	of	*	0·2 3h. 15m.
Hampstead ...	of	om	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	39	37	34	-	-	0·0	*	*
Croydon ...	39	36	35	-	-	0·0	*	*
Greenwich ...	39	36	35	-	-	0·0	83	85
Westminster ...	40	39	36	-	-		88	*
Regents Park ...	40	37	35	-	-		81	86
Camden Square	39	38	36	-	-	*	*	89
Kensington ...	40	37	35	Tr	-		82	90
Hampstead ...	38	35	33	-	-		*	93

SECRET

Page 1

BRITISH SECTION

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

Friday 2nd January 1942

No. 29261

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

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)	33.7	+4	WSW	1	f	41	85	36	3	5	-	-	3+	3+	4000
	Croydon ...	33.1	-4	W'N	1	m/f	43	76	34	4	5	-	-	10	10	3500
	S. Farnborough	33.9	-6	W'S	3	z₀	43	65	33	6	5	-	-	10	10	3500
	Boscombe Down	34.1	-2	-	0	z₀	40	92	38	5	5	-	-	10	10	3000
	Thorney Island	34.0	-4	WNW	2	of+	43	85	38	3	5	-	-	10	10	4000
	Lympne ...	33.6	-4	NW	1	m/f	39	85	36	4	5	-	-	10	10	3500
	Manston ...	33.4	-4	-	0	of	40	85	35	3	5	-	-	10	10	3500
2	Shoeburyness ...	33.1	-4	WSW	2	of	41	85	37	3	5	-	-	10	10	4000
	Felixstowe ...	33.0	-4	WNW	3	of	39	85	35	2	5	-	-	10	10	4000
	Gorleston ...	32.2	0	WNW	2	°F+	37	85	32	3	5	-	-	10	10	1500
	Mildenhall ...	32.6	-4	SW	3	m	39	85	36	4	5	-	-	10	10	4000
	Cranwell ...	31.6	-2	WSW	4	z₀	40	75	34	5	5	-	-	10	10	3000
3	Birmingham ...	32.7	-2	SW	2	o	39	85	35	6	5	-	-	10	10	4000
	Upper Heyford	33.2	-2	SSW	2	m	40	76	33	4	5	-	-	10	10	3000
4	Ross-on-Wye	32.9	-4	SW	2	m	39	85	35	4	5	-	-	10	10	2000
5	Hartland Point	32.7	-4	N'E	3	c	46	76	36	8	5	2	-	7-8	10	3600
	Bristol ...	33.5	-6	WSW	1	z₀	41	85	37	6	5	-	-	10	10	3500
	Portland Bill ...	31.0	-4	WSW	2	c	48	85	44	7	2	7	-	7-8	10	4000
	Plymouth ...	34.6	+2	SE	2	of	41	85	32	4	5	-	-	10	10	3000
	The Lizard ...	34.0	-2	SW	4	c	46	65	36	8	8	2	-	9	10	1500
	Scilly (St. Mary's)	33.8	0	S'W	4	o	47	97	38	8	5	-	-	10	10	2200
	Guernsey ...															
6	Pembroke ...	32.0	+2	SW	5	c	49	85	45	7	8	1	-	7-8	9	2500
7	Holyhead ...	28.9	-10	SW	5	c	49	85	45	7	5	7	-	4-6	9+	1500
	Chester (Sealand)	30.0	-12	S'W	2	z₀	44	76	-	5	5	3	2	4-6	9	3800
8	Manchester ...	31.0	-4	SW'S	3	z₀	41	85	37	6	5	-	-	10	10	4000
10	Spurn Head ...	30.3	-8	SSW	4	of	41	85	32	3	5	-	-	10	10	1500
	Catterick ...	28.7	-10	SSW	3	z₀	47	75	34	6	5	6	-	2-3	4-6	1500
	Tynemouth ...	26.8	-16	SSW	3	c	47	75	39	6	2	3	-	4-6	7-8	2400
11	St. Abbs Head	22.6	-20	SW	4	c	46	85	42	7	4	4	3	4-6	7-8	2500
	Leuchars ...	21.8	-20	SW	5	pr	46	85	40	7	8	7	-	7-8	9	2800
12	Renfrew (Abbotsl.)	23.1	-12	SW'S	4	rorо	47	85	44	6	5	-	-	7-8	10	800
	Eskdalemuir ...	25.9	-8	S	3	o	42	92	41	6	5	-	-	10	10	900
	Point of Ayre ...	26.8	-10	WSW	5	c	50	75	42	8	5	7	6	2-3	10	3000
13A	Tiree	19.4	0	WSW	4	c/r	50	92	49	7	5	-	-	9+	9+	1500
13B	Stornoway ...	16.7	+22	WSW	5	iro	48	92	47	7	8	7	2	4-6	9+	1000
15	Dalwhinnie ...	20.6	-16	SW	4	rorо	41	92	40	7	5	2	-	9	10	1500
	Aberdeen ...	20.0	-24	SW	1	c	43	85	38	6	5	7	-	1	7-8	2500
	Wick ...	16.6	-18	SSW	4	bc	44	85	39	7	5	4	2	2-3	4-6	5700
16	Sumburgh ...	14.5	-26	SW'S	4	ir	46	85	43	7	5	-	-	10	10	3500
17	Blacksod Point	24.2	+14	SW	3	c/r	51	92	49	7	5	-	-	10	10	1500
18	Malin Head ...	21.6	+2	S	6	c	49	92	47	7	8	-	-	9	9	1500
	Aldergrove ...	26.1	-10	SSW	4	c/r	47	85	44	7	5	2	-	9+	10	1200
19	Birr Castle ...	26.7	0	SSW	3	c/r	49	85	45	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	28.0	+4	SSW	5	c/r	51	85	47	8	5	7	-	1	10	1500
	Roches Point	29.9	0	S'W	4	c	51	85	47	8	5	-	5	4-6	7-8	2500

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

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)	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)	33.8	-2	SW	2	m	41	85	36	4	5	-	-	10	10	2500	1	*
	Croydon ...	33.1	-2	S	1	m	41	75	35	4	5	-	-	10	10	5600	1	*
	S. Farnborough	33.9	-2	WSW	1	z₀	41	85		6	5	-	-	10	10	3400	1	*
	Boscombe Down	34.2	+2	-	0	m	40	85	36	4	5	-	-	10	10	2600	1	*
	Thorney Island	34.1	0	NNW	1	m	42	85	38	4	5	-	-	10	10	4300	1	*
	Lympne ...	34.1	0	WSW	2	m	40	85	34	4	5	-	-	10	10	3900	1	* 2
	Manston ...	33.7	-2	SW'W	2	m	39	75	34	4	5	-	-	10	10	3000	1	*
2	Shoeburyness ...	33.2	-4	WSW	2	of	41	85	36	2	5	-	-	10	10	3500	1	*
	Felixstowe ...	33.3	+2	SW'S	2	°F+	40	85	35	3	5	-	-	10	10	3800	1	2
	Gorleston ...	32.3	0	SW'W	2	z₀	39	85	35	5	5	-	-	10	10	1500	1	2
	Mildenhall ...	32.0	-4	SW'S	3	m	40	85	35	4	5	-	-	10	10	3800	1	*
	Cranwell ...	30.5	-10	SSW	4	m	40	85	35	4	-	3	-	0	9+	-	1	*
3	Birmingham ...	32.0	0	WSW	3	o	40	85	36	6	5	-	-	10	10	2500	1	*
	Upper Heyford	32.8	-4	SSW	2	m	39	85	35	4	5	-	-	10	10	2500	1	*
4	Ross-on-Wye	31.9	-4	SW	3	m	41	85	37	4	5	-	-	9+	9+	1500	1	*
5	Hartland Point	32.6	+2	SW	4	c	46	76	38	7	5	2	-	7-8	10	2500	1	3
	Bristol ...	33.6	+2	SW'S	3	z₀	43	75	36	6	5	-	-	10	10	3800	1	*
	Portland Bill ...	33.6	-2	W	2	o	45	92	43	7	5	-	-	10	10	2500	1	2
	Plymouth ...	34.3	-2	SW	3	z₀	46	75	38	6	5	-	-	10	10	3000	0	2
	The Lizard ...	34.3	+2	SSW	4	c	47	65	39	7	8	-	-	7-8	10	1500	0	4
	Scilly (St. Mary's)	33.3	-4	SSW	3	o	47	76	39	7	5	-	-	10	10	2200	1	3
	Guernsey ...																	
6	Pembroke ...	31.5	0	SW	6	c/q	49	85	47	7	8	-	-	9	9	2500	1	4
7	Holyhead ...	28.5	-2	SW'W	6	o/d	49	92	47	6	5	-	-	10	10	1200	1	4
	Chester (Sealand)	29.1	-6	WSW	2	z₀	48	76	46	6	5	7	-	4-6	10	3500	1	*
8	Manchester ...	30.2	-2	SW	4	z₀	43	85	40	6	5	2	-	9+	9+	4000	1	*
10	Spurn Head ...	29.7	-2	SW'S	4	m	41	85	36	4	-	4	2	0	4-6	-	0	2
	Catterick ...	26.7	-10	WSW	4	z₀	48	85	42	6	5	7	-	2-3	10	2200	1	*
	Tynemouth ...	29.4	-10	SW	2	z₀	47	75	40	5	8	-	-	9+	9+	2200	1	3
11	St. Abbs Head	21.5	0	SW	5	c	46	92	44	9	4	2	-	4-6	9+	2500	0	3
	Leuchars ...	21.9	+2	SW	4	z₀	45	97	44	6	5	7	-	7-8	7-8	1500	1	*
12	Renfrew (Abbotsl.)	22.9	+6	SW'W	2	c/r	47	97	45	5	5	1	-	9+	10	1500	1	*
	Eskdalemuir ...	24.7	-2	SW	3	dodo	44	97	43	4	-	2	-	10	10	300	1	*
	Point of Ayre ...	25.8	0	W'S	5	dodo	49	92	47	7	8	2	-	7-8	10	1500	1	4
13A	Tiree	22.0	+20	WNW	2	c	47	85	44	8	5	-	-	7-8	7-8	2100	0	4
13B	Stornoway ...	20.1	+14	WSW	4	c/pr	43	92	39	8	5	3	-	7-8	9	1000	1	2
15	Dalwhinnie ...	21.6	+8	WSW	4	ir	43	86	39	6	5	-	-	9	9	1500	1	*
	Aberdeen ...	19.5	+4	WSW	3	c	46	92	43	6	-	3	-	0	7-8	-	1	2
	Wick ...	18.2	+18	W	2	c/r	43	92	40	8	5	7	-	7-8	9+	2500	1	*
16	Sumburgh ...	13.7	+10	W'N	4	bc/pr	46	85	42	8	8	3	-	2-3	4-6	2500	1	4
17	Blacksod Point	25.5	+10	WSW	4	iro	48	97	47	7	6	-	-	10	10	1500	1	3
18	Malin Head ...	23.7	+18	SW	3	c	44	85	40	7	8	-	2	4-6	7-8	4000	0	4
	Aldergrove ...	25.6	+4	SW'S	3	z₀	47	97	46	6	5	-	-	10	10	800	1	*
19	Birr Castle ...	26.5	0	SW	2	c/r	49	85	46	8	5	2	-	7-8	10	2500	1	
20	Valentia Obsy.	27.9	+2	SSW	4	c/r	51	92	49	7	5	7	-	9	10	1500	1	* 4
	Roches Point	29.7	0	SW	4	c	50	85	46	8	5	-	5	4-6	7-8	1500	1	

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.–13h. 1st (39)	Weather. 13h.–18h. 1st (40)	Weather. 18h. 1st to 1h. 2nd (41)	Weather. 1h.–7h. 2nd (42)
1	London (Kew)	cff	eff	cmo	cmo
	Croydon ...	cmcf	ez	czcz₀	czo
	S. Farnborough	cmofmoc	cmo	z₀c	czomo
	Boscombe Down	cmmo	cmo		cmo
	Thorney Island	mcmof	omfom		ocmo
	Lympne ...	cffm	cm	czmmo	cmozo
	Manston ...	cf	cfmoz	czcm	czcz₀
2	Shoeburyness ...	cffc	effc	affe	cfmc
	Felixstowe ...	aff	afcmof	afcf	cfmmo
	Gorleston ...	affc	omcz₀	czoz₀	dmomo
	Mildenhall ...	cm	cmomm	cmmo	cmo
	Cranwell ...	cfcmo	cmocm	cm	cmociro
3	Birmingham ...	fc	cmo	c	c
	Upper Heyford	cfom	cmmom	cmcmo	cmoc
4	Ross-on-Wye	cfcm	cz		cmo
5	Hartland Point	c	c	c	cir
	Bristol ...	cfmmo	cmoz₀	czopr	cidorio
	Portland Bill ...	c	c	c	c
	Plymouth ...	caf	cmfcm	cmoc	c
	The Lizard ...	c	c	c	c
	Scilly (St. Mary's)	c	c	c	c
	Guernsey ...				
6	Pembroke ...	c	cq	cq	cq
7	Holyhead ...	cdomoc	cidomo	croromo	forldordom
	Chester (Sealand)	cmo	czo	czoc	czoiro
8	Manchester ...	omocmo	cmo	cmoro	ciro
10	Spurn Head ...	affo	cm	cm	cirem
	Catterick ...	cf bcz	cmo	cmoiroc	ciromo
	Tynemouth ...	c	cmo	c	c
11	St. Abbs Head	c	cirоc	c	proc
	Leuchars ...	bmocpor	cprorоromo	cmoc	cmoc
12	Renfrew (Abbotsl.)	mcirororo	roroiromo	iroromodo	rrdodomo
	Eskdalemuir ...	bciro	orrdodo	odoiro	cmo
	Point of Ayre ...	c ⊕	cdodo	dodoc	c
13A	Tiree	ciro	c	cir	cir
13B	Stornoway ...	cprrr	cpriro	cpor⊕	bc
15	Dalwhinnie ...	croroo	oirc		cpro
	Aberdeen ...	f	bczoc₂₀	c₂₀	c₂₀,cf
	Wick ...	bccbc	rrroroc	ciroboc	bbcc
16	Sumburgh ...	b,ciro	cirbtprbc	bcprboc	cphoproc
17	Blacksod Point	r	r	c	r
18	Malin Head ...	c	c	c	cpr
	Aldergrove ...	cciro	q ibidocmo	0	0,moodd
19	Birr Castle ...	r	r	r	r
20	Valentia Obsy.	r	r	r	c
	Roches Point	c	pr	c	c

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Moderate southwest wind freshening; cloudy; rather mild.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate or fresh southwest wind strong on coasts; cloudy; local rain; mild.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Freshening southwest winds strong to gale on coasts later; cloudy; some rain; mild.
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland	
19 S.E. Ireland 20 S.W. Ireland	As 7-11.

GENERAL INFERENCE

An anticyclone over France is moving slowly south and a depression in Mid-Atlantic is moving northeast.

Weather will be mainly fair but cloudy in the South but there will be rain in the North with strong Southwest winds.

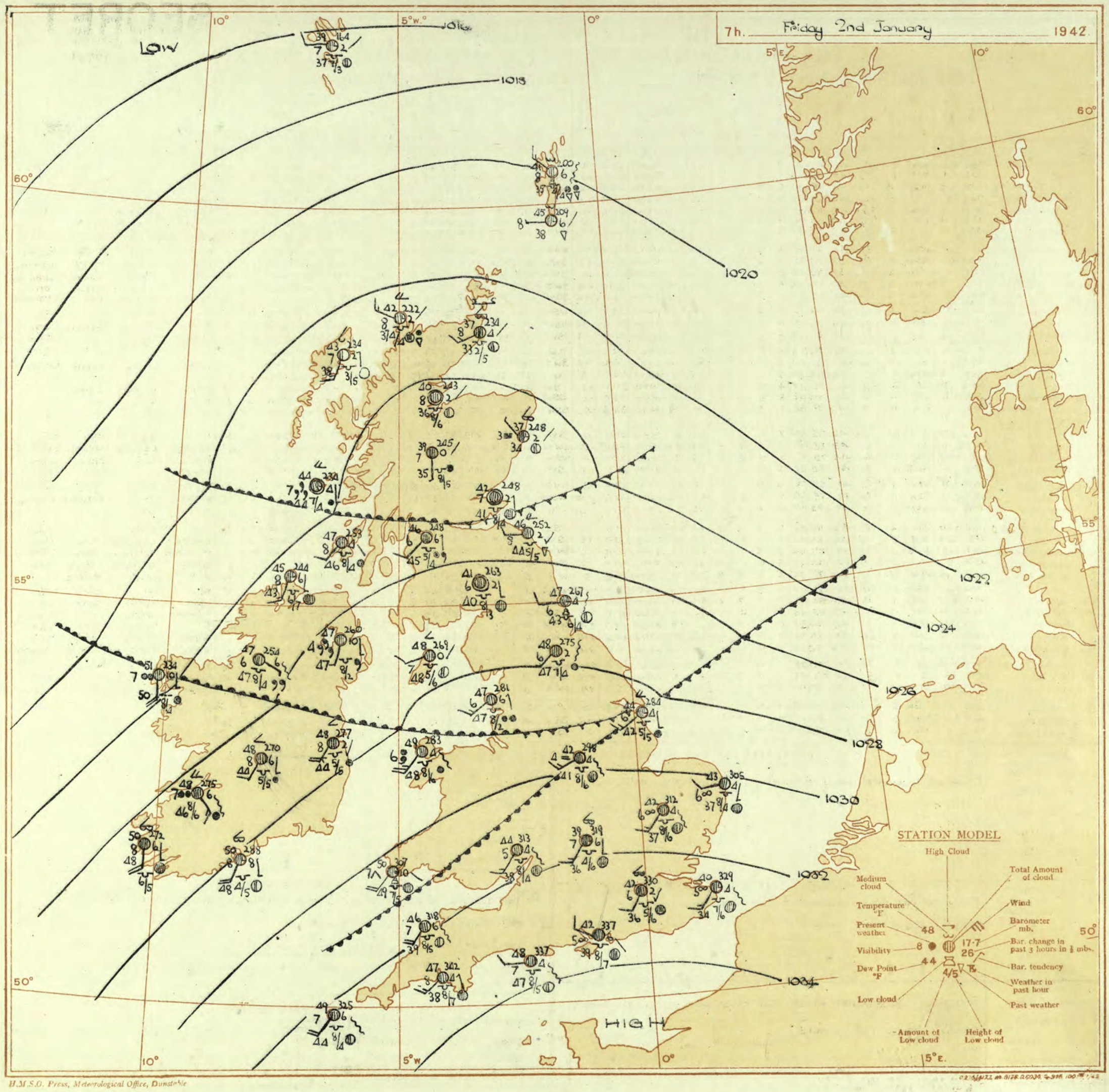
FURTHER OUTLOOK

Occasional rain in the North; cloudy in the South; mild.

Forecasts issued at 10.30 G.M.T.

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

7h. Friday 2nd January 1942.



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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 2nd January

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

Friday 2nd January 1942 — No. 29261

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

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	*	*	*	*	*	41	*	*	*	*	*	*	*	*	*
	Croydon ...	217	32·9	-6	SSW	3	0	44	65	34	6	5	-	-	10	10	3500
	S. Farnborough	226	33·8	-4	WSW	2	Zo	42	75	35	6	5	-	-	9+	9+	4500
	Boscombe Down	417	34·3	0	WSW	1	Zo	41	85	36	6	5	-	-	9+	9+	2500
	Thorney Island	10															
	Lympne ...	346	34·1	-2	WSW	1	Zo	40	86	35	5	5	3	-	4·6	10	3500
	Manston ...	154	33·6	-2	SW'W	3	m	40	86	34	4	5	-	-	10	10	4000
2	Shoeburyness ...	11	33·3	-2	W	1	Of	42	75	35	2	5	-	-	10	10	2500
	Felixstowe ...	15	33·0	-2	WSW	3	Of	41	85	36	3	5	-	-	10	10	4000
	Gorleston ...	5	31·8	-4	WSW	2	Zo	41	92	35	6	5	-	-	9	9	2500
	Mildenhall ...	19	31·8	-2	SW	3	Zo	41	85	37	5	5	-	-	10	10	4000
	Cranwell ...	240	30·4	-2	SSW	5	m	42	85	38	4	-	7	-	0	10	-
3	Birmingham ...	536	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	32·8	-2	SSW	2	Zo	41	85	36	5	5	-	-	10	10	2600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	33·1	0	SSW	3	c	45	75	38	7	5	2	-	7-8	9+	2500
	Bristol ...	209	33·3	-6	S'W	4	c	41	75	34	7	5	7	7	2-3	10	4000
	Portland Bill ...	32	32·9	+4	W	3	0	48	92	46	7	5	-	-	10	10	2500
	Plymouth ...	82	34·7	+2	SW'W	4	0	48	75	38	7	5	-	-	10	10	3000
	The Lizard ...	240	34·5	-4	SSW	4	c	47	75	38	8	8	2	-	7-8	7-8	1500
	Scilly (St.Mary's)	163	33·5	-2	SW	4	0	48	75	41	7	5	-	-	10	10	1800
	Guernsey ...	175															
6	Pembroke ...	142	31·6	-2	SW	5	cq	50	97	49	7	8	-	-	9+	9+	2500
7	Holyhead ...	26	28·8	0	SW	6	rofo	49	92	47	6	5	-	-	10	10	1500
	Chester(Sealand)	16	29·3	0	SW'W	3	c	50	76	43	7	5	7	-	7-8	10	3200
8	Manchester ...	235	30·0	0	SSW	3	c/r	44	92	42	5	5	2	-	9+	10	2500
10	Spurn Head ...	29	28·9	-6	SW'S	4	m	43	92	41	4	2	6	-	4-6	9	1500
	Catterick ...	175	26·3	+2	WSW	4	c	48	92	45	7	5	7	-	1	10	1600
	Tynemouth ...	108	25·7	+2	W	2	c	48	85	44	6	5	-	-	9	9	1500
11	St. Abbs Head	280	24·6	+26	SW	4	c	46	92	44	8	5	2	-	4·6	10	2500
	Leuchars ...	36	24·2	+10	WSW	2	c	44	92	41	7	5	-	-	9+	9+	2500
12	Renfrew (Abbotsl.)	19	25·0	+10	WSW	2	c/d	46	97	45	6	5	2	-	9	10	1500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	26·9	+4	W'N	4	c	48	97	47	7	8	2	-	7-8	10	1800
13A	Tiree	22	23·8	+6	-	0	c/r	44	97	43	7	5	-	-	9+	9+	800
13B	Stornoway ...	80	23·6	+10	SW	2	bc	40	92	38	7	2	4	-	2·3	4·6	3000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	33	*	*	*	*	*	*	*	*	*
	Wick ...	119	22·1	+14	W'S	2	bc	39	85	35	8	5	4	-	2·3	2·3	2500
16	Sumburgh ..	30	18·9	+22	NW'W	4	bc/pr	45	65	35	8	8	3	-	1	4·6	2000
17	Blacksod Point	18	25·4	-4	-	0	c	49	92	47	7	5	-	-	9+	9+	2500
18	Malin Head ...	84	25·1	+4	SSW	1	c	47	92	45	8	8	-	-	7-8	7-8	5700
	Aldergrove ...	268	27·0	+2	SW'S	2	0	46	97	45	7	5	-	-	10	10	1000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	28·9	+4	S	3	c	51	85	47	8	5	7	-	4-6	10	2500
	Roches Point	22	30·2	0	SSW	4	c	50	92	48	8	5	-	-	7-8	7-8	1500

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

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)	33·0	-6	SW	2	Zo	41	85	36	5	5	-	-	10	10	2500	1	*
	Croydon ...	33·0	+2	SSW	2	C	42	85	36	6	5	7	-	7-8	10	3500	1	*
	S. Farnborough	33·3	-6	WSW	2	Zo	40	85	36	6	-	7	-	0	10	-	1	*
	Boscombe Down	33·6	-4	SW'S	1	Zo	39	92	36	6	5	3	-	4-6	9	3000	1	*
	Thorney Island	33·7	-6	WNW	2	Zo	42	92	39	5	5	-	-	10	10	5400	1	*
	Lympne ...	33·4	-2	WSW	1	Zo	41	75	35	6	5	7	-	9	10	4000	1	2
	Manston ...	32·9	-4	SW'W	3	Zo	40	78	34	5	5	-	-	9+	9+	4000	1	*
2	Shoeburyness ...	32·6	-4	SW'S	3	m	43	75	35	4	5	7	-	4-6	10	4000	1	*
	Felixstowe ...	31·9	-4	WSW	3	Zo	41	85	37	5	5	-	-	10	10	4000	1	2
	Gorleston ...	30·5	-4	W	2	Zo	43	85	37	6	5	-	-	10	10	1500	0	*
	Mildenhall ...	31·2	-4	SW	3	Zo	42	85	37	6	5	-	-	10	10	4200	0	*
	Cranwell ...	30·0	+2	SW	4	cfo	42	92	40	6	5	-	-	10	10	3000	1	*
3	Birmingham ...	30·4	-6	SW	3	Zo	42	92	41	5	5	-	-	10	10	1500	1	*
	Upper Heyford	31·9	-6	SW	3	C	39	92	36	7	5	7	-	4-6	9+	4000	1	*
4	Ross-on-Wye	31·3	-4	SW	3	Zo	44	85	38	5	5	-	-	10	10	2000	1	*
5	Hartland Point	31·8	-6	SW	4	C	46	76	38	7	5	-	-	10	10	2500	1	4
	Bristol ...	32·7	-6	-	0	Zo	43	75	37	6	5	2	-	9+	10	2200	1	*
	Portland Bill ...	33·7	-4	W	2	0	48	92	47	7	5	-	-	10	10	2500	1	3
	Plymouth ...	34·2	-4	WSW	3	C	47	75	38	8	5	-	-	10	10	5700	0	3
	The Lizard ...	33·8	-8	SSW	4	C	47	75	40	7	8	2	-	9	10	1500	0	4
	Scilly (St.Mary's)	32·5	-6	SW'W	4	C	49	85	44	7	5	-	-	10	10	1500	1	3
	Guernsey ...																	
6	Pembroke ...	30·7	-10	SW'W	4	Cq	50	92	49	7	8	-	-	9+	9+	2500	1	4
7	Holyhead ...	28·3	-4	SW	5	dr	49	97	48	6	5	-	-	10	10	3500	1	
	Chester(Sealand)	28·7	-2	SW	3	Zo	50	75	43	6	5	7	-	9	10	3400	1	*
8	Manchester ...	29·0	-6	SW'W	3	c/r	46	97	44	6	5	3	-	7-8	10	2500	1	*
10	Spurn Head ...	28·4	-4	WSW	3	C	44	92	42	6	5	2	-	7-8	9+	2500	1	2
	Catterick ...	27·5	+2	WSW	1	Zo	48	97	45	6	5	-	-	9+	10	1400	1	*
	Tynemouth ...	26·7	+4	W	2	C	47	85	43	6	8	-	-	9	9	1500	1	2
11	St. Abbs Head	25·2	+2	W	2	C	46	92	44	8	6	2	-	7-8	10	2500	1	2
	Leuchars ...	24·8	-2	-	0	C	42	92	41	7	5	-	-	10	10	1800	1	*
12	Renfrew (Abbotsl.)	24·8	-6	SW'S	2	c/d	46	97	45	6	5	-	-	7-8	10	1100	1	*
	Eskdalemuir ...	26·3	-2	-	0	C	41	97	40	6	5	-	-	10	10	700	1	*
	Point of Ayre...	26·9	0	W'S	2	c	48	97	48	7	5	1	-	7-8	9+	3500	1	3
13A	Tiree	23·4	-4	-	0	dd	44	97	44	7	-	2	-	9+	9+	1500	1	2
13B	Stornoway ...	23·4	-2	SSW	3	bc	43	85	38	7	5	4	-	2·3	4·6	2500	1	1
15	Dalwhinnie ...	24·5	0	S	1	0	39	85	35	7	5	-	-	10	10	2500	1	*
	Aberdeen ...	24·8	+2	NW	1	cf	37	85	34	3	-	7	-	0	9	-	1	2
	Wick ...	23·4	+4	W'S	3	C	37	85	38	8	5	7	7	1	10	2500	1	*
16	Sumburgh ..	20·9	+6	W	1	C	45	75	38	8	-	3	-	0	9	-	1	4
17	Blacksod Point	23·4	-10	S	4	rofo	51	97	50	7	6	-	-	10	10	1500	1	4
18	Malin Head ...	24·4	-6	S'W	3	C	45	92	43	8	5	-	-	9	9	5700	0	4
	Aldergrove ...	26·0	-10	S'W	1	dd	47	97	47	4	5	-	-	10	10	400	1	*
19	Birr Castle ...	27·0	-6	SSW	2	C	48	85	44	8	5	1	-	7-8	10	2500	1	
20	Valentia Obsy.	27·2	-6	S	4	C	50	92	48	8	5	7	-	9	10	2500	1	3
	Roches Point	28·8	-8	SSW	4	C	50	92	48	8	5	7	-	4-6	9+	2500	1	5

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 1st Hrs. (38)
1	London (Kew)	42	40	37	-	-	0·0
	Croydon ...	43	40	38	-	-	0·0
	S. Farnborough	43	38	30	-	-	0·0
	Boscombe Down	41	35	31	-	-	0·0
	Thorney Island	45	39	37	-	-	*
	Lympne ...	40	38	36	-	-	0·0
	Manston ...	41	38	35	-	-	0·0
2	Shoeburyness ...	43	40	38	tr	-	0·0
	Felixstowe ...	41	39	37	-	-	0·0
	Gorleston ...	39	38	32	-	-	*
	Mildenhall ...	40	38	31	-	-	0·0
	Cranwell ...	41		35	-	tr	0·0
3	Birmingham ...	41	40	38	-	-	0·0
	Upper Heyford	40	39	36	-	-	*
4	Ross-on-Wye	41		38	-	-	0·0
5	Hartland Point	47	44	42	-	-	0·0
	Bristol ...	43	38	35	-	tr	0·0
	Portland Bill ...	49	46	*	-	-	*
	Plymouth ...	46	45	43	-	-	0·0
	The Lizard ...	47	46	*	-	-	0·0
	Scilly (St.Mary's)	47	46	*	-	-	0·0
	Guernsey ...						
6	Pembroke ...	51	45	*	-	tr	0·0
7	Holyhead ...	50	48	47	0·4	2	*
	Chester(Sealand)	48	48	43	-	0·1	0·2
8	Manchester ...	43	42	40	-	1	*
10	Spurn Head ...	42	39	*	-	0·3	0·0
	Catterick ...	48	47	43	-	tr	0·6
	Tynemouth ...	48	45	42	-	-	*
11	St. Abbs Head	46	37	*	tr	tr	*
	Leuchars ...	46	42	39	0·6	-	0·7
12	Renfrew (Abbotsl.)	48	44	42	3	5	0·0
	Eskdalemuir ...	44	41	39	4	0·4	0·0
	Point of Ayre...	51	44	*	tr	0·3	0·0
13A	Tiree	50	44	*	3	2	0·0
13B	Stornoway ...	49	39	*	3	0·2	0·0
15	Dalwhinnie ...	44	37	33	5	0·3	0·0
	Aberdeen ...	45	38	29	-		0·6
	Wick ...	45	36	33	0·3	0·1	*
16	Sumburgh ..	47	43	37	1	1	0·0
17	Blacksod Point	52	45	45	1	1	*
18	Malin Head ...	43	43	41	-	0·3	0.0
	Aldergrove ...	47	45	44	0·1	2	0·0
19	Birr Castle ...	50	47	45	0·1	1	0.0
20	Valentia Obsy.	52	50	47	1	0·2	*
	Roches Point	51	49	*	tr	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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
	13h. G.M.T. 1st January ... 18h. G.M.T.			01h. G.M.T. 2nd January ... 07h. G.M.T.			13h. G.M.T. 1st January ... 18h. G.M.T.			01h. G.M.T. 2nd January ... 07h. G.M.T.		
109	53	61755	17665	8-	02744	22464	8-	02854	23324	87	20854	20386
115	52	62735	53588	87	81534	61567	54	02844	26485	52	25844	26327
203	9-	02838	20768	55	02935	24588	5-	02847	24427	5-	02838	* *
206	57	61855	20377	55	22853	20266	53	01854	00025	5-	02868	00018
210	53	02863	18425	57	51865	20428	87	02885	22327	57	02864	20128
220	53	01844	23384	53	10753	25334				51	02642	17118
230	62	54645	17568	51	02746	22358	52	62746	20168	57	22647	00068
245	57	05643	20217	57	05645	23218	57	02862	23227	52	02864	22128
260	57	62756	20468				5-	02768	20228	5-	05668	20168
278	8			57	02747	22468	57	02757	22328	5-	02748	10228
279				52	22545	20468	5-	05657	22327	5-	05628	20328
285				6-	65638	22668						
288	53	05653	17414	51	05543	19221	57	02853	20428	57	05646	19128
575	5-	51738	51468	51	21847	22258	57	02757	22128	5-	21643	10158
301				5-	61668	19428	5-	62648	22468	5-	22628	22368
321	5-	05657	20447	57	05565	18425	57	05663	19327	52	05666	22468
299				50	05653	23213	53	05654	22316	5-	52547	22267
292				51	47255	14248	5-	05658	17248	5-	02748	20128
310				--	03428	24328						
614	5-	43368	20348	02	47190	20148	57	08464	22248	5-	08468	22328
333	5-	21656	5-467	52	60755	22428	5-	63748	20468	52	22646	20368
334	--	03647	20228	--	03647	20528						
340	5-	05668	18228				53	02763	16226	5-	05677	20367
136	5-	08468	22248	5-	05557	21327	5-	05567	21327			
336	50	02638	16328	57	02645	20328				62	63636	24468
350	5-	08468	18248	5-	08468	18328	5-	05568	22328	57	05664	20328
368	5-	45368	00048	5-	05568	26248	52	02763	24368	52	02755	20428
379	51	084 68	20328	5-	08468	16328	5-	21558	20458	5-	05566	18326
390	5-	47368	24248	5-	45368	22348	5-	43368	22248	5	43368	20348
382	5-	05667	26127	5-	05668	19228				5-	05668	23228
438	02	02578	29128							5-	03558	24328
430	5-	08468	23128	5-	43368	20148	5-	08468	00028			
409	5-	05668	18328	5-	05668	18328	5-	05668	16328	5-	05668	16328

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C_L C_M = Form of low and medium cloud See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

For the 24 hours ending morning of 2nd January...
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 ...	cff	cff	cm.	Kew 24 hours ended 7h.
Croydon ...	cmcf	cz cz	cz.	Max. Time 0·7 16h. 1s
Greenwich ...	cff	cfm	cm	Min. Time 0·1 4h. 2s
Camden Square	0	0	*	
Kensington ...	of	ofo	*	
Hampstead ...	of	0	0	

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	42	40	37	-	-	0·0	*	*
Croydon ...	43	40	38	-	-	0·0	*	*
Greenwich ...	42	42	37	-	-	0·0	71	74
Westminster ...	44	39	38	-	-		81	85
Regents Park ...								
Camden Square	43	39	37	-	-	*	*	79
Kensington ...	44	41	38	-	-		74	75
Hampstead ...	41	36	35	-	-		*	85

SECRET

Page 1

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

BRITISH SECTION

Saturday 3rd January 1942

No. 29262

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

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)	32·0	-12	SW	2	c	45	85	39	5	5	-	-	10	10	2500
	Croydon ...	31·9	-10	W'N	2	Zo	46	78	38	6	5	7	-	4-6	10	2500
	S. Farnborough	32·4	-14	W	3	c/r	44	75	38	6	5	7	-	9	10	2500
	Boscombe Down	32·6	-12	SW	3	c	45	88	39	7	5	7	-	7-8	10	5000
	Thorney Island	32·8	-12	WSW	2	Zo	47	85	42	6	5	-	-	10	10	5700
	Lympne ...	32·3	-14	WSW	1	Zo	44	85	39	6	5	7	-	1	9+	5000
	Manston ...	32·1	-10	WSW	2	Zo	46	75	37	6	5	-	-	9	10	4500
2	Shoeburyness ...	31·8	-12	SW'W	3	c	46	75	38	6	5	7	-	4-6	9+	5700
	Felixstowe ...	31·2	-10	WSW	4	Zo	45	75	39	5	5	7	-	9+	10	4500
	Gorleston ...	30·3	-6	W	2	Zo	45	85	40	6	5	-	-	10	10	1000
	Mildenhall ...	30·7	-6	SW	3	Zo	44	95	40	6	5	7	-	4-6	10	4000
	Cranwell ...	29·0	-6	WSW	5	c/r	46	92	44	5	6	7	-	7-8	9+	2500
3	Birmingham ...	30·2	-6	WSW	2	c	45	85	41	6	-	7	-	0	9+	▪
	Upper Heyford	31·3	-10	SW	3	Zo	45	85	40	6	5	7	-	4-6	9+	2800
4	Ross-on-Wye	30·6	-10	SW	3	Zo	47	85	43	6	5	1	-	9+	10	2000
5	Hartland Point	31·2	-10	SW	4	c	47	75	40	7	5	5	-	4-6	9	2000
	Bristol ...	31·8	-10	SW	3	Zo	46	75	38	6	5	7	-	7-8	9+	2000
	Portland Bill ...	32·6	-14	WSW	3	c	48	92	46	7	5	-	-	10	10	2500
	Plymouth ...	33·4	-10	SW	4	Zo	48	75	43	6	5	1	-	4-6	10	4000
	The Lizard ...	32·8	-10	SSW	4	c	49	75	40	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	32·4	-6	SW	4	c	50	75	41	7	5	7	-	4-6	9+	1800
	Guernsey ...															
6	Pembroke ...	30·3	-10	SW	5	c	50	97	49	7	8	2	-	9+	9+	2500
7	Holyhead ...	28·1	-6	SW	5	c	50	92	48	7	5	7	-	4-6	9+	1000
	Chester (Sealand)	28·5	-6	SSW	2	r	51	75	42	7	5	2	-	4-6	10	1500
8	Manchester ...	29·1	-6	SSW	3	r	46	97	46	5	6	2	-	7-8	10	2500
10	Spurn Head ...	28·3	0	WSW	2	Zo	46	85	42	5	5	-	-	10	10	1500
	Catterick ...	26·3	-12	WSW	3	r	49	85	45	8	5	7	-	7-8	10	1600
	Tynemouth ...	26·4	-12	SW	2	c/f	49	85	45	3	8	-	-	9+	9+	1800
11	St. Abbs Head	24·1	-10	W	2	c	45	92	44	8	5	7	-	7-8	10	2500
	Leuchars ...	23·7	-12	SW	1	c/r	45	92	43	5	5	-	-	10	10	500
12	Rentrew (Abbotsl.)	23·7	-10	SSW	3	Zo	47	92	45	5	5	2	-	9+	10	1000
	Eskdalemuir ...	24·8	-14	S'W	1	df	44	97	44	2	-	2	-	10	10	4150
	Point of Ayre ...	26·1	-4	W	4	c/d	49	92	47	8	8	7	-	4-6	10	3000
13A	Tiree	20·4	-20	S	3	rr	47	97	47	7	-	2	-	10	10	1500
13B	Stornoway ...	19·9	-32	SSW	3	c/d	46	92	44	8	5	7	-	7-8	9+	1500
15	Dalwhinnie ...	23·0	-6	SSW	3	o	42	92	41	7	5	1	-	7-8	10	1500
	Aberdeen ...	23·3	-14	SW'S	1	r	44	75	37	6	-	7	-	0	9+	-
	Wick ...	21·7	-16	S	2	c	42	85	38	8	5	7	6	2-3	9	5700
16	Sumburgh ...	20·7	-6	W	3	pr	43	75	36	8	8	-	-	9	9	2500
17	Blacksod Point	21·3	-18	S	6	r	50	97	49	6	6	-	-	10	10	800
18	Malin Head ...	21·5	-20	SSW	3	c	49	92	47	7	8	-	-	9	9	1500
	Aldergrove ...	24·9	-10	SSW	3	c/r	47	92	45	7	5	7	1	Tr	9+	1200
19	Birr Castle ...	25·6	-14	S	2	c	50	85	46	8	5	2	-	7-8	10	2500
20	Valentia Obsy.	25·5	-10	SSW	4	r	51	92	49	6	6	2	-	7-8	10	1500
	Roches Point	28·0	-8	SSW	5	c/r	50	92	48	8	6	2	-	7-8	9+	1500

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

District	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	31·9	0	SWS	2	Zo	44	85	39	5	5	-	-	10	10	2500	1	*
	31·6	-2	SSW	1	Zo	45	75	38	5	5	7	-	9	10	3900	1	*
	32·2	-2	WSW	2	Zo	44	85	39	6	5	7	-	9	10	3200	1	*
	32·5	0	SW'S	3	Zo	43	85	40	6	5	7	-	9	10	2600	1	*
	32·7	0	WSW	2	m	45	85	41	4	5	-	-	10	10	5400	1	*
	32·1	0	WNW	2	c/d	42	97	41	5	5	-	-	10	10	2500	1	2
	31·9	0	WSW	3	Zo	43	88	38	5	5	7	-	9	10	4500	1	*
2	31·5	0	SW	3	cf	44	85	39	3	-	8	-	0	7-8	-	1	*
	30·9	-2	WSW	3	r	44	85	41	4	5	-	-	10	10	4700	1	3
	30·2	0	W'S	2	r	44	92	43	6	6	-	-	10	10	800	1	2
	30·3	-4	SW	3	Zo	45	85	41	5	5	7	-	4-6	10	4000	1	*
	28·7	-2	SW	4	m	45	92	43	4	-	7	-	0	10	-	1	*
	30·0	-2	SSW	2	Zo	44	92	42	5	-	7	-	0	9+	-	1	*
	31·1	+2	SW	2	Zo	43	85	39	5	5	-	-	10	10	4200	1	*
	30·4	0	SW	3	Zo	46	85	40	6	5	1	-	9+	10	1500	1	*
	32·6	+2	SW	4	c	46	75	38	7	5	2	-	7-8	10	2500		3
	31·3	-4	SSW	3	Zo	45	75	38	6	5	2	-	7-8	10	4000	1	*
	32·0	-4	SW	3	c	47	92	45	7	5	-	-	10	10	2500	1	3
	32·2	-6	SW'W	5	Zo	48	75	41	6	5	-	-	10	10	3000	0	4
	31·8	-2	SW	4	c	48	75	41	8	8	2	-	9	10	2000	0	4
	30·7	-6	SW'W	4	c	49	75	42	7	5	-	-	10	10	1800	1	3
	28·9	-6	SW	6	c	50	92	48	7	8	2	-	7-8	10	2500	1	3
	26·3	-6	SW	6	Zo	50	92	47	6	5	2	-	9+	10	1300	1	
	28·2	-4	SSW	2	Zo	49	75	42	6	5	2	-	9	10	3800	1	*
	28·3	-6	SW	3	c/r	46	97	44	5	5	-	-	10	10	3000	1	*
	27·8	0	SW	3	Zo	46	92	44	5	5	-	-	10	10	1500	1	2
	26·2	-6	SSW	2	cjf	49	75	43	6	5	2	-	7-8	10	1500	1	*
	25·5	-2	SW	3	rf	48	92	46	3	-	2	-	10	10	1500	1	3
	24·3	-8	SW'W	4	c	49	85	45	8	8	2	-	7-8	10	3000	1	3
	17·4	-10	S'W	4	c	49	92	47	7	5	-	-	9+	9+	1800	0	4
	13·4	-30	SSW	7	r	49	97	48	6	5	2	-	9	10	1000	1	4
	20·1	-20	SSW	3	id	43	92	41	7	5	2	-	9	10	1500	1	-
	20·6	-14	SSW	2	r	44	92	40	3	-	2	-	10	10	3000	1	2
	17·7	-24	S	3	r	44	92	42	6	5	-	-	10	10	3000	1	*
	17·8	-22	SSW	2	c	44	85	40	8	-	7	-	0	10	-	1	3
	18·4	-12	S	6	Dr	51	97	50	6	6	-	-	10	10	800	0	5
	18·5	-16	S	5	c	49	85	46	6	6	-	-	9	9	1500	1	4
	22·6	-10	SSW	3	r	47	92	45	6	5	?	-	7-8	10	2000	1	*
	23·6	-8	S	2	c/r	49	85	45	7	5	-	-	10	10	2500	1	*
	23·9	-6	S'W	5	r	51	97	50	6	6	2	-	7-8	10	800	1	6
	26·2	-10	SSW	4	c/r	50	92	48	8	6	2	-	7-8	9+	1500	1	*

PAST 24 HOURS.

Weather. 7h.—13h. 2nd (39)	13h.—18h. 2nd (40)	18h. 2nd to 1h. 3rd (41)	1h.—7h. 3rd (42)
cmo	emo	cmo	cirmo
emo	cmoid	czcmo	cmodo
cmoirzo	emcem	cmorome	cmodorc
cmoc	ecmo	cmoirc	cir
fmcmo	cmocm	cmcmo	cmoir
czo	cmoid	cmo	emo
czo	czomo	cmo	cmo
cmmoc	cmo	effc	cfme
cirocmo	morom	cm	cmidomo
c	coir	cmorocmo	cmo
cmoir	cmo	cmo	cmo
cirocmo	circm	cmo	cmo
c	cz	c	cro
cmo	cmo	cmommo	cmo
czo	czo	czo	c
c	c	c	c
c	cmo	cmoc	c
c	c	c	c
cmo	cmo	cir	circ
c	c	cpr c	c
c	c	c	c
c	ccidoc	cir	cqid
cdodomoc	cmo	cirmo	dmrdmo
cir	cirmo	czo	czo
irorr	cmoir	cmoc	cirmo
oirmo	omo	cmo	c
cir	cizzo	czomoir	cmoidord
cff	offir	oifiroc	c
c	cir	c	cq
roromemo	roromodo	dodocmo	rorocmo
jpidomo	crorma	modorodr	emorrrorr
comdof	ododoc	cidocr	crr
ddidoc	c	roroc	roforr
ororr	c	errr	odd
becido	crr	crr	c
o	oid	*	cirro
cfir	bzocrrf	crf	crfc
c	cprobcc	roroc	c
beepro	cprobcc	rorrrmo	roromo
rc	rc	*	rc
ror	ror	crc	rr
rc	rc	crr	r

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

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

Moderate to fresh southwest winds, strong locally at times on the southwest coasts, veering west and decreasing; mainly overcast rain spreading southeast this evening and tonight; mainly mild.

6	South Wales
7	North Wales
8	N.W. England
9	N. Midlands ...
10	N.E. England

Fresh southwest winds, strong locally especially near west coast, veering west to northwest moderating; dull, occasional rain, fair periods but with local showers tomorrow; mild today then colder.

11	S.E. Scotland
12	S.W. Scotland & Isle of Man

Fresh southwest winds soon veering northwest, dull, rain early, then bright periods with some showers with hail locally; becoming colder.

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

Wind west to northwest moderate, probably northerly later; occasional showers, with sleet and hail later and snow on high ground; bright intervals; becoming much colder.

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

As 11-12

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

As 6-10

GENERAL INFERENCE

Pressure is high to southeast of the British Isles. A depression north of Shetland will now move east. An associated trough along our west and northwest seaboard will move in over the British Isles with rain spreading from the northwest to affect most districts. Fairer colder conditions but with wintry showers will spread to northern districts but conditions will remain mild in the South and East.

FURTHER OUTLOOK

Probably colder generally with some night frost. Bright periods in most districts but local snow showers in the North.

Forecasts issued at 10.30. G.M.T.

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

7h. SATURDAY 3rd JANUARY 1942

LOW

HIGH

1002 1004 1006 1008 1010 1012 1014 1016 1018 1020 1022 1024 1026 1028 1030

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
Total Amount of cloud
Wind
Barometer mb.
Bar. change in past 3 hours in ½ mbs.
Bar. tendency
Weather in past hour
Past weather

48 8 17·7 26 44 4/5

mb in

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

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 3rd January

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

E.M.S.

BRITISH SECTION

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

Saturday 3rd January 1942

No. 29262

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	% Humid.	°F. Dew Point.	Visibility. 0–9	Cloud. Form. Low.	Form. Med.	Form. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base. (feet)
			mb. (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1	London (Kew)	18	*	*	*	*	*	43									
	Croydon ...	217	30·7	-6	SW'S	2	c	43	85	38	6	5	-	-	10	10	4500
	S. Farnborough	226	30·8	-10	SW	3	Z_o	43	86	38	6	5	-	-	10	10	3800
	Boscombe Down	417	30·9	-14	S'W	3	Z_o	43	92	41	6	5	-	-	9+	9+	2100
	Thorney Island	10	31·4	-8	SW	3	Z_o	46	86	41	6	5	-	-	7-8	10	2500
	Lympne ...	346	31·7	-6	WSW	1	Z_o	42	85	38	5	5	-	-	10	10	4000
	Manston ...	154	31·1	+6	W'S	2	Z_o	43	85	38	6	5	-	-	10	10	4500
2	Shoeburyness ...	11	30·8	-6	WSW	2	cf	44	85	39	3	5	-	-	10	10	2500
	Felixstowe ...	15	30·5	-4	SW'W	3	m	42	92	40	4	5	-	-	10	10	4000
	Gorleston ...	5	29·9	-4	WSW	2	c/r	43	85	39	6	5	-	-	10	10	1500
	Mildenhall ...	19	29·5	-6	SW	3	Z_o	43	86	40	5	5	-	-	10	10	4000
	Cranwell ...	240	27·9	-6	SW'S	4	Z_o	45	86	41	5	-	7	-	0	10	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	29·9	-12	SW'S	2	Z_o	41	92	39	5	5	7	-	9	10	3500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	28·6	-8	SW	4	c	47	75	40	7	5	6	-	4-6	9+	2500
	Bristol ...	209	29·8	-18	SSW	3	c	45	85	41	7	5	2	-	9+	10	2500
	Portland Bill ...	32	30·8	-8	SW	4	c	48	92	46	7	5	-	-	10	10	2500
	Plymouth ...	82	30·7	-10	SW	5	r/o	49	85	45	8	5	-	-	10	10	2500
	The Lizard ...	240	30·6	-10	SW	5	c/pr	48	85	44	8	8	2	-	7-8	10	1500
	Scilly (St.Mary's)	163	29·4	-14	WSW	4	c	49	75	41	8	5	-	-	10	10	1500
	Guernsey ...	175															
6	Pembroke ...	142	27·4	-12	SW	6	r/o	50	92	48	7	8	1	-	7-8	10	2500
7	Holyhead ...	26	24·1	-14	SSW	6	c/r	50	92	48	6	5	-	-	10	10	1500
	Chester(Sealand)	16	25·6	-14	S	2	Z_o	48	75	42	6	5	7	-	7-8	10	2000
8	Manchester ...	235	26·2	-10	SW'S	4	c	46	85	43	7	8	7	-	9-6	10	3500
10	Spurn Head ...	29	26·7	-6	SW'W	4	Z_o	45	86	39	6	5	-	-	9+	9+	2500
	Catterick ...	175	24·0	-14	SW	3	r/o	48	85	44	6	5	-	-	7-8	10	1500
	Tynemouth ...	108	22·7	-8	WSW	3	c	48	85	44	6	2	3	-	4-6	7-8	1600
11	St. Abbs Head	280	17·5	-30	SW	5	c	47	85	44	7	5	7	-	4-6	9+	1500
	Leuchars ...	36	16·5	-26	WSW	5	Z_o	48	85	45	6	5	2	-	9+	9+	900
12	Renfrew (Abbotsl.)	19	16·7	-26	SW'S	4	rr	49	92	47	6	6	2	-	7-8	10	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	21·4	-14	WSW	5	c	50	92	47	7	5	7	+	2-3	10	1500
13A	Tiree	22	13·2	-12	SSW	5	DD	50	97	50	7	5	-	+	10	10	1200
13B	Stornoway ...	80	09·5	-8	SSW	5	c/r	51	92	49	7	5	7	-	7-8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	47	*	*	*	*	*	*	*	*	*
	Wick ...	119	10·1	-34	SSW	4	c	47	85	44	7	5	7	-	4-6	9+	3000
16	Sumburgh ..	30	08·5	-46	SW'S	3	r.r.	47	97	47	6	6	2	-	9+	10	800
17	Blacksod Point	18	15·9	-12	S	7	Dr	53	97	52	6	6	-	-	10	10	800
18	Malin Head ...	84	14·9	-18	S	6	pr	49	97	48	7	6	-	-	9	9	1500
	Aldergrove ...	268	19·1	-20	SSW	4	ir.	47	97	46	7	5	2	-	9+	10	1800
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21·4	-14	S'W	6	c/r	53	92	51	7	6	2	-	9+	10	800
	Roches Point	22	24·1	-14	SSW	6	r.r.	50	97	49	7	6	2	-	7-8	10	800

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

Barom. at M.S.L.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	% Humid.	°F. Dew Point.	Visibility 0–9	Cloud. Form. Low.	Form. Med.	Form. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base (feet)	State of Ground. 0–9	Sea. 0–9
mb. (16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
28·4	-10	SW'S	3	ir.	43	92	41	6	5	-	-	10	10	2500	1	*
28·5	-8	SSW	3	id.	43	85	39	6	5	-	-	10	10	4100		*
28·9	-8	SW	3	r.r.	43	92	41	5	6	2	-	9+	10	700	1	*
28·8	-10	S'W	3	id.	43	97	43	6	5	2	-	7-8	10	2500	1	*
29·4	-10	WSW	3	ir.	46	85	41	6	5	-	-	10	10	3500	1	*
29·5	-12	SW	2	Z_o	43	85	39	6	5	-	-	10	10	3500	1	§ 3
29·1	-12	SW	3	Z_o	43	75	36	6	5	-	-	10	10	3400	1	*
29·0	-12	SW	2	m	44	75	38	4	5	1	-	4-6	10	4000	1	*
28·1	-16	SW	5	Z_o	42	85	38	6	5	-	-	10	10	3500	1	3
27·6	-16	SW	3	Z_o	43	85	38	6	5	-	-	10	10	1000	1	2
27·0	-14	SW'S	4	Z_o	44	85	40	6	5	7	-	9	10	4000	0	*
24·7	-14	SW	5	Z_o	44	85	39	6	5	7	-	9+	10	3000	1	*
25·0	-16	SSW	3	o	42	92	40	5	5	-	-	10	10	2500	1	*
27·3	-14	SW	3	Z_o	42	97	40	6	8	7	-	4-6	9+	4000	1	*
25·9	-12	SW	2	c	49	75	38	7	5	1	-	9+	10	2000	1	*
25·6	-12	WSW	4	c	47	85	43	7	5	2	-	7-8	9+	2500	1	4
27·2	-12	SSW	3	c	45	85	41	7	5	2	-	9+	10	4100	1	*
28·2	-10	WSW	5	c	48	92	46	7	5	-	-	10	10	2500	1	4
28·4	-14	SW	5	c	48	85	43	7	5	-	-	10	10	2500	0	4
28·6	-14	SW	6	c	48	75	44	7	8	2	-	10	10	1500	0	5
27·0	-14	WSW	4	c	50	75	43	8	5	7	-	7-8	10	1500	1	4
24·1	-16	SW	7	id.	50	85	46	7	8	-	-	10	10	2500	1	5
20·8	-14	S	7	dd	49	97	49	6	5	-	-	10	10	400	1	4
21·9	-18	SW	4	Z_o	50	85	45	6	5	7	-	9	10	2000	1	*
22·5	-20	SW'S	4	ir.	46	85	43	6	5	7	-	4-6	10	3500	1	*
23·7	-36	SW	4	c	45	85	40	7	2	6	-	4-6	9+	2500	1	2
20·0	-20	S	3	id.	46	92	44	7	5	-	-	10	10	1400	1	*
18·1	-20	WSW	4	c	50	85	45	7	8	-	-	9	9	1500	1	3
12·6	-24	SW	6	eq	48	92	47	7	4	7	-	4-6	7-8	2500	0	3
12·3	-18	SW	3	c	49	92	47	7	5	-	-	10	10	900	1	*
13·3	-22	SW'S	4	rr	50	92	49	6	5	2	-	7-8	10	1000	1	*
15·7	-26	SSE	4	rr	46	97	45	4	-	2	-	10	10	300	1	*
17·0	-14	W'S	6	r.r.	51	97	50	7	6	2	-	7-8	10	2000	1	4
10·2	-12	SW'W	4	dr	51	97	50	6	-	2	-	10	10	800	1	5
07·3	-12	WSW	3	c	48	97	46	8	8	7	-	7-8	9+	2000	1	2
10·5	-20	SW	3	o	46	92	44	7	5	-	-	10	10	1500	1	*
09·9	-20	W'S	2	c	49	85	46	7	5	-	-	7-8	7-8	2300	1	2
07·2	-12	SW	4	c	48	92	46	8	5	7	-	7-8	9+	2000	1	*
04·8	-10	SW	4	c/r	47	97	47	6	6	-	-	10	10	800	1	4
12·5	-14	SW	6	Dr	52	97	51	6	6	-	-	10	10	800	2	5
11·3	-22	S	4	dd	51	97	50	6	3	-	-	9+	9+	800	1	3
15·7	-18	SW'S	3	r.r.	50	92	49	6	6	2	-	7-8	10	900	1	*
16·6	-32	SSW	3	c/r	51	92	49	8	5	-	-	10	10	2500	1	
17·8	-22	SSW	5	rr	53	97	52	6	6	2	-	4-6	10	800		5
20·4	-22	WSW	6	ir	50	97	49	7	6	2	-	7-8	10	800	1	5

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F.	Min. Night 18h–7h °F	Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Night 18h–7h mm.	Sunshine 2nd Hrs.
(33)	(34)	(35)	(36)	(37)	(38)
45	43	41	+	Tr	0.0
46	42	39	Tr	Tr	0.0
45	42	38	Tr	1	0.0
45	40	38	-	Tr	0.0
47	43	41	-	Tr	*
45	41	38	Tr	-	0.0
46	40	38·	•	-	0.0
47	42	38	-	-	0.0
46	41	39	1	0.1	0.0
46	42	39	1	Tr	*
45	43	37	0.1	-	0.0
47	43	42	0.2	Tr	0.0
46	41	39	-	0.4	0.0
45	40	38	-	-	*
47	43	40	-	-	0.0
(47)	45	42	-	-	0.1
47	43	40	-	-	0.0
49	45	*	-	-	*
48	47	43	-	Tr	0.0
49	46	*	-	Tr	0.3
50	48	*	-	-	2.0
51	46	*	Tr	Tr	0.0
50	48	47	1	1	*
51	48	44	1	-	0.0
47	44	43	0.3	Tr	*
47	46	46	Tr	Tr	0.0
49	46	46	Tr	Tr	0.0
49	(49)	*	Tr	Tr	0.0
49	48	*	2	3	0.0
49	(49)	40	0.3	7	0.0
44	41	41	0.3	3	0.0
49	43	43	0.3	0.1	*
46	44	42	Tr	6	1.0
52	50	*	2	7	*
49	46	*	6	3	0.0
48	46	46	2	6	0.0
50	48	46	-	3	0.0
51	50	49	2	10	*
51	*	*	0.5	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 2nd January ... 18h. G.M.T. | 01h. G.M.T. 3rd January ... 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 83	05665	16116	57	51753	16328	52	61636	18568	5-	61856	23566
115 52	25934	16327	52	62835	16488	52	62735	53668	--	48109	20469
203 9-	02838	16428	6-	62738	16668	62	64636	18368	6-	61728	16568
206 57	61963	00068	52	02664	00068	5-	22858	20118	5-	02858	00028
210 57	51963	00057	52	61755	11268	57	61855	51467	57	02953	18226
220 62	64935	17368	62	22745	17468				5-	21408	23258
230 5-	63638	20258	57	22745	19367				52	52537	19358
245 57	61645	17168	5-	22528	18368	52	05645	18428	52	22647	18368
260 57	02763	20228	57	05644	21268	5-	51758	20458	57	02745	51568
278			57	02744	18468	52	64637	19468	02	64638	20368
279			57	05644	51557	52	62636	51568	5-	64625	51668
285 52	05634	24528	27	05635	26468				5-	52638	24658
288 52	61847	18228	52	02654	18168	52	21546	18358	50	05655	17426
575 57	02744	18326	62	61746	16468	5-	22748	16468	62	51635	18468
301 57	05655	22358	52	61665	20368	5-	05634	21428	5-	21648	53558
321			52	22555	17268	57	05663	18467	5-	05667	18427
299 52	02845	22327	51	02743	24228	50	47345	24245	5-	05644	24314
292 57	02745	21328	07	05690	22268	52	63654	50468	51	02755	18368
310 --	57109	20249									
614 52	05675	22327	5-	45368	21228	5-	08468	18228	57	05555	53468

13h. G.M.T. 2nd January ... 18h. G.M.T. | 01h. G.M.T. 3rd January ... 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	61747	20468	5-	02647	20527	5-	05648	20568	5-	62528	18548
334			--	61447	20188				--	52547	24358
340 57	22853	20368	52	02754	20368						
136 57	61565	21368	07	21490	20326	5-	45358	22248	5-	61668	19328
336 57	02655	20328	50	02638	20328				57	02635	20428
350 57	05654	22488	5-	05568	19328	5-	05668	20228			
368 57	02776	20358	52	02755	22428	5-	02668	21128	57	02667	22428
379 57	05555	20427	5-	05557	20327	5-	05568	20328	5-	08428	20428
390 57	45375	22347	52	47365	20268	51	08467	20228	5-	08458	18358
382 57	02765	23327	5-	05666	19128				57	05665	18328
438 52	02744	26428							02	03758	21428
430 5-	05578	22228	5-	08468	22228	5-	05568	22358	5-	05568	22458
409 57	02763	17327	57	02763	17327	5-	02768	18328			

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud See M.O. 252.
N = Total amount of cloud—See M.O. 252.
$C_L C_M$ = Form of low and medium cloud See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 3rd. January.
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	cmo	ciromo	Kew 24 hours ended 7h. Max. Time 0·3 16h. 2nd Min. Time 0·1 2-4h 3rd
Croydon ...	cmo	cmo, id.	cmo d.	
Greenwich ...	cmo	cdomo	cidd om	
Camden Square	C.	O		
Kensington ...	O	Of		
Hampstead ...				

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	45	43	41	-	Tr	0·0	*	*
Croydon ...	46	42	39	Tr	Tr	0·0	*	*
Greenwich ...	47	42	39	Tr	0·2	0·0	76	87
Westminster ...	47	44	40	Tr			92	93
Regents Park ...	47	43	41	-	Tr		77	92
Camden Square	46	43	39	-	Tr	*	*	92
Kensington ...	47	43	40	-	0·1		77	91
Hampstead ...							*	

Page 1

BRITISH SECTION

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

SECRET

Sunday 4th January 1942

No. 29262

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

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)	25·0	-16	SSW	4	zo	46	85	40	6	5	-	-	10	10	1500
	Croydon ...	25·8	-24	SSW	5	zo	45	75	38	6	5	7	-	4·6	10	1500
	S. Farnborough	25·9	-22	SW'S	4	zo	45	85	42	6	5	2	-	9	10	900
	Boscombe Down	26·5	-14	SW	5	c	46	85	41	7	5	7	-	9	10	2000
	Thorney Island	26·7	-26	SW	3	c	46	85	41	7	5	7	-	9+	10	4000
	Lympne ...	26·3	-26	SSW	3	zo	43	75	37	6	5	-	-	10	10	4000
	Manston ...	26·6	-22	SW'S	5	zo	44	75	37	6	5	-	-	10	10	3500
2	Shoeburyness ...	27·1	-24	SW'S	4	c	45	85	39	6	5	1	-	7·8	10	5700
	Felixstowe ...	25·4	-24	SW	5	zo	44	85	38	6	5	-	-	10	10	2000
	Gorleston ...	24·2	-24	SW	5	zo	45	85	40	6	5	-	-	9+	9+	2000
	Mildenhall ...	25·7	-26	SW'S	5	zo	47	85	43	6	5	7	-	7·8	10	2500
	Cranwell ...	20·7	-22	SW	8	iro	46	85	43	6	5	2	-	9+	10	2500
3	Birmingham ...	22·1	-22	SW	4	iro	43	92	41	6	6	-	-	10	10	800
	Upper Heyford	24·1	-18	SW	4	zo	45	85	42	6	5	-	-	10	10	1200
4	Ross-on-Wye	22·6	-20	SW'S	4	c	47	85	42	7	5	-	-	10	10	2000
5	Hartland Point	22·5	-20	SW	4	c	48	75	43	7	6	2	-	7·8	10	1000
	Bristol ...	24·5	20	SW'S	5	zo	47	75	41	6	5	7	-	7·8	10	2000
	Portland Bill ...	25·9	-20	SW	5	c	49	92	46	7	5	-	-	10	10	2500
	Plymouth ...	26·1	-16	WSW	6	c	48	85	43	6	5	-	-	10	10	800
	The Lizard ...	25·9	-18	SW	5	c	58	85	46	8	8	2	-	9	10	1500
	Scilly (St. Mary's)	24·6	-8	SW'W	5	c	51	85	46	8	8	7	-	4·6	9+	1500
	Guernsey ...															
6	Pembroke ...	21·9	-14	SW	7	rofo	50	97	50	7	8	2	-	7·8	10	2500
7	Holyhead ...	16·7	-30	SW'S	7	rr	50	97	50	5	5	-	-	10	10	300
	Chester (Sealand)	18·5	-54	S	4	c	51	75	44	8	5	2	-	7·8	10	800
8	Manchester ...	19·0	-18	SW'S	5	rofo	46	97	45	6	5	2	-	7·8	10	1500
10	Spurn Head ...	18·9	-34	SSW	4	c	46	85	42	7	5	2	-	7·8	10	1500
	Catterick ...	15·7	-34	SW	3	c/r	50	85	44	6	5	2	-	4·6	10	500
	Tynemouth ...	14·3	-28	SW	4	c	51	86	45	7	8	4	-	7·8	9	2000
11	St. Abbs Head	09·6	-20	SW	6	iro	50	85	46	8	5	7	-	7·8	10	2000
	Leuchars ...	08·7	-24	WSW	4	iro	50	92	48	7	5	-	-	10	10	800
12	Renfrew (Abbotsl.)	09·8	-20	SW'W	4	dodo	50	97	49	6	6	2	-	9	10	800
	Eskdalemuir ...	11·9	-30	SW	6	RR	47	92	46	6	-	2	-	10	10	300
	Point of Ayre ...	13·3	-24	WSW	7	rofo	52	92	50	7	6	2	-	9	10	1000
13A	Tiree	08·1	-10	SW'W	3	c/r	50	97	50	7	5	-	-	9+	9+	1800
13B	Stornoway ...	06·0	-12	SW	3	c	47	97	47	8	5	7	9	7·8	9+	2000
15	Dalwhinnie ...	08·2	-22	SSW	3	dr	46	92	45	7	5	2	-	7·8	10	2500
	Aberdeen ...	17·0	-30	SW	3	iro	51	85	49	7	-	2	-	10	10	5200
	Wick ...	06·3	-8	NNW	1	c/s	47	97	47	5	5	7	-	9	9+	2500
16	Sumburgh ...	04·5	0	NW	2	ds	46	97	46	3	5	-	-	10	10	200
17	Blacksod Point	12·2	-10	WSW	4	c/r	52	97	51	7	9	-	-	7·8	7·8	1500
18	Malin Head ...	09·8	-6	W	3	m	50	97	49	6	6	-	-	9+	9+	800
	Aldergrove ...	12·5	-14	SW	4	ir	51	97	50	8	5	7	-	7·8	9+	700
19	Birr Castle ...	15·1	-10	SSE	2	c	52	92	50	8	5	1	-	7·8	9+	2500
20	Valentia Obsy.	17·2	-6	SW	4	ido	54	92	52	7	5	-	-	9+	9+	800
	Roches Point	17·7	-12	SW'S	4	dr	51	97	50	6	5	-	-	10	10	450

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

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)	21·6	-26	SSW	4	rr	45	85	42	6	5	-	-	10	10	1500	1	*
	Croydon ...	22·6	-20	SSW	3	m	44	85	40	4	5	-	-	10	10	2100	1	*
	S. Farnborough	22·3	-24	SSW	4	rofo	44	85	41	6	6	2	-	7·8	10	1200	1	*
	Boscombe Down	22·1	-30	SSW	4	iro	45	92	43	6	5	-	-	10	10	800	1	*
	Thorney Island	23·0	-20	SW'S	4	zo	46	86	42	5	5	-	-	10	10	2300	1	*
	Lympne ...	24·3	-22	SSW	4	zo	41	85	37	6	5	-	-	10	10	2200	1	*
	Manston ...	23·6	-22	SSW	4	zo	42	76	35	6	5	7	-	9+	10	1900	1	*
2	Shoeburyness ...	22·5	-24	SSW	5	c	43	85	39	6	5	-	-	10	10	1500	1	*
	Felixstowe ...	23·0	-22	SW'S	5	zo	43	85	39	6	5	-	-	10	10	1800	1	3
	Gorleston ...	20·8	-20	SW	4	iro	45	75	36	6	6	-	-	10	10	1500	1	
	Mildenhall ...	20·0	-22	SSW	4	zo	46	85	41	6	5	-	-	10	10	1400	0	*
	Cranwell ...	16·8	-26	SW	5	c/r	46	85	43	6	5	7	-	4·6	9+	3000	1	*
3	Birmingham ...	18·5	-16	SSW	3	c	45	92	43	6	6	-	-	10	10	800	1	*
	Upper Heyford	21·6	-6	SW	5	zo	45	92	42	6	8	-	-	10	10	1100	1	*
4	Ross-on-Wye	19·2	-16	SW	3	ido	47	85	42	7	5	-	-	10	10	1500	1	*
5	Hartland Point	18·2	-16	WSW	5	rr	48	92	46	6	5	2	-	7·8	10	800	1	5
	Bristol ...	20·0	-26	SSW	4	zo	46	92	43	6	5	2	-	7·8	10	900	1	*
	Portland Bill ...	22·1	-16	SW	5	o	49	92	47	7	5	-	-	10	10	2500		5
	Plymouth ...	22·5	-20	WSW	6	iro	50	85	47	6	5	-	-	10	10	600	0	4
	The Lizard ...	22·0	-20	SW'W	5	rofo	49	92	48	7	5	-	-	10	10	1500	1	5
	Scilly (St. Mary's)	20·8	-16	SW'W	5	iro	50	92	48	7	5	7	-	7·8	10	1500	1	4
	Guernsey ...																	
6	Pembroke ...	16·3	-20	SW	7	rr	49	97	49	7	8	2	-	7·8	10	2500	1	5
7	Holyhead ...	13·7	-14	SW	6	c	50	97	50	6	5	-	-	9	10	1000	1	5
	Chester (Sealand)	15·1	-18	S'W	3	zo	52	75	46	6	6	2	-	9	10	4500	1	*
8	Manchester ...	15·1	-22	SW'S	5	iro	47	92	46	7	6	2	-	9	10	2500	1	*
10	Spurn Head ...	15·9	-16	SSW	5	cq	45	92	42	7	5	2	-	7·8	10	800	1	4
	Catterick ...	11·5	-22	SSW	3	ido	51	85	46	6	5	1	-	9+	10	1300	1	*
	Tynemouth ...	10·8	-8	W	4	c/pr	50	85	45	7	2	-	-	7·8	7·8	2200	1	3
11	St. Abbs Head	06·9	-10	SW	4	c	50	85	46	8	5	4	-	4·6	7·8	1500	1	3
	Leuchars ...	06·1	-4	WSW	3	zo	50	92	47	6	8	7	-	9	9+	1800	1	*
12	Renfrew (Abbotsl.)	07·9	-8	W'S	4	PR	50	92	47	5	9	2	-	7·8	9	800	1	*
	Eskdalemuir ...	08·7	-14	SW'W	5	rofo	48	92	46	6	-	2	-	10	10	300	1	*
	Point of Ayre ...	11·3	-6	W'S	4	bc	50	92	48	8	4	6	-	2·3	2·3	2500	1	4
13A	Tiree	06·0	-4	W'S	2	c	48	97	48	7	5	-	-	9	9	1500	1	4
13B	Stornoway ...	05·0	-2	NNE	5	rr	45	97	45	7	5	2	-	9	10	800	1	2
15	Dalwhinnie ...	07·2	-10	WSW	3	ir	45	92	43	7	5	-	-	10	10	2500	1	*
	Aberdeen ...	04·2	-12	W'S	3	rr	50	92	46	6	-	2	-	10	10	4700	1	
	Wick ...	04·1	-12	-	0	c	45	97	44	8	5	7	-	9	10	2500	1	*
16	Sumburgh ...	04·7	+2	NE'N	3	iro	42	92	40	6	5	1	-	7·8	10	800	1	
17	Blacksod Point	09·7	-18	WSW	4	pr	51	97	50	7	9	-	-	9	9	1500	1	4
18	Malin Head ...	08·1	-10	SW'W	4	c	50	85	46	7	8	-	-	9	9	1500	1	4
	Aldergrove ...	10·5	-14	SW	2	bc	48	97	47	8	8	4	-	4·6	4·6	3000	1	*
19	Birr Castle ...	12·5	-12	W	1	bc	50	92	48	8	5	-	-	4·6	4·6	2500	1	*
20	Valentia Obsy.	13·8	-22	SSW	4	c	52	97	51	7	5	-	-	7·8	7·8	1500	1	4
	Roches Point	15·2	-14	SSW	3	bc	50	97	49	8	8	-	-	4·6	4·6	1500	1	2

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)	cirodomo	crormo	crof, rio	rrfoiro
	Croydon ...	&moido	czomo	cRcromo	crrroro
	S. Farnborough	crodomo	croromo	crofododoiromo	forommo
	Boscombe Down	ccido	cmoiro	croromo	cromoc
	Thorney Island	cromoc	ccmo	cmoroo	crororo
	Lympne ...	cmo	ccmo	cmoroo	cmoror
	Manston ...	czo	czo	croromo	croroRRomo
2	Shoeburyness ...	cmiRomoc	cmoc	cmocroform	foroRRRro
	Felixstowe ...	cmo	omocmo	croform	oroforo
	Gorleston ...	cmo	cirozo	oir	oiro
	Mildenhall ...	cmo	cmoiro	cmodododoro	cmororoc
	Cranwell ...	ccciromo	cmo,ciro	cmoir	cmoc
3	Birmingham ...	r	oiro	oiro	ocpor
	Upper Heyford	cmo	cirocmo	ciromoro	roforomo
4	Ross-on-Wye	c	cdoc	rcroro	rocRo
5	Hartland Point	crrc	cirrrc	rrodo	cpr
	Bristol ...	ciroc	cmororo	croiir	cyciR
	Portland Bill ...	c	oo	oo	opr
	Plymouth ...	c	cciroc	crrroro	cirododomo
	The Lizard ...	c	croro	oroform	epro
	Scilly (St. Mary's)	c	ciro	crop	croc
	Guernsey ...				
6	Pembroke ...	cqroro	cqrrmo	gloror	cq
7	Holyhead ...	cddrr	crrmoc	ckcmo	iRRoc
	Chester (Sealand)	cmo	ciromo	cmoro	croromo
8	Manchester ...	ciro	iro	ciromo	
10	Spurn Head ...	c	c	c	c
	Catterick ...	cirozo	cmoiromo	cproc	crrbc
	Tynemouth ...	cpoc	cp	cbcmoc	c
11	St. Abbs Head	cqiro	c	bcbc	cqr
	Leuchars ...	ciro	iro cpRromo	cbcmobc	bccrrc
12	Renfrew (Abbotsl.)	moforodod	roforR	roromoiro	iroRrr
	Eskdalemuir ...	orrRR	orrro	oiro	oiRorr
	Point of Ayre ...	roroc	rrcbc	cporo	roroc
13A	Tiree	cidr	c	c	cdo
13B	Stornoway ...	c	cRRrr	crr	crrprpoh
15	Dalwhinnie ...	oir	oir		oir,prs
	Aberdeen ...	cciro	ciroorrzo	crrbc	bccrrc
	Wick ...	iroemyf	c	pRRrr	rrpsh
16	Sumburgh ...	idoddf	ddfodo	croro	cbc
17	Blacksod Point	r	pr	cidc	r
18	Malin Head ...	pr	c	crr	r
	Aldergrove ...	irmsiroccir	probc	proiroiR	irorriro
19	Birr Castle ...	r	bc		pr
20	Valentia Obsy.	r	pr	crrc	pr
	Roches Point	r	r	crcbc	pr.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 4th January

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Wind southwest moderate to fresh, veering west to northwest. Cloudy; occasional rain; less mild than late, with temperature falling later.
4 W. Midlands 5 S.W. England 6 South Wales	Winds veering northwest to north, fresh at times, rather squally later. Cloudy; occasional rain later, then fairer periods but with showers. Becoming much colder.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England	Winds northwest veering north, becoming fresh to strong or gale on coasts. Cloudy; occasional rain early: bright periods with some showers of hail or sleet later, with snow on hills: becoming 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	Wind northeast to north, strong and squally at times with a gale on coasts, moderating slowly in the north. Variable sky; wintry showers of hail, sleet or snow: cold.
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland	
19 S.E. Ireland 20 S.W. Ireland	Winds northwest to north fresh, squally. Bright intervals, some showers of rain or hail; becoming colder.

GENERAL INFERENCE

A depression centred over Northwest England will move slowly southeast & fill up whilst an anticyclone over Iceland is also moving southeast. Cold, northerly winds will extend down over the British Isles during the next 24hrs, and there will be some snow showers in the Northern half of the country. In the South, weather will be cloudy with occasional rain.

FURTHER OUTLOOK

Cold in most districts with local snow showers in the North and probably in Eastern England.

Gale warning in operation in districts 7, 10, 11, 12, 13(A&B) 15, 16, 17 & 18, 2345, 3.1.42 and at 0915, 4.1.42.

Forecasts issued at 1030 G.M.T.

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

7h. Sunday 4th January 1942 — 1942

HIGH

LOW

LOW

10° 5°W. 0° 5°E. 10°

60° 55° 50°

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

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

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in ¼ mbs.

Dew Point °F

Bar. tendency

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 4th January

1942.

Clarke's Projection Scale 1 : 4 x 10⁷ 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.

Sunday 4th January 1942 — No. 29263

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	46	*	*	*	*	*	*	*	*	*
	Croydon ...	217	16·2	-30	SW	3	rdrd	46	97	45	5	6	2	-	7-8	10	1300
	S. Farnborough	226	15·7	-22	SW	4	dro	47	92	45	6	5	-	-	10	10	800
	Boscombe Down	417	15·8	-28	SSW	6	rdrd	47	97	46	6	5	2	-	9	10	500
	Thorney Island	10	16·9	-22	SW	4	rdrd	47	92	46	6	5	-	-	9	10	900
	Lympne ...	346	18·5	-34	SW	3	rr	45	97	44	5	5	-	-	10	10	300
	Manston ...	154	16·4	-42	SW'S	4	rdrd	44	97	43	6	5	-	-	10	10	600
2	Shoeburyness ...	11	16·8	-38	S'W	3	rdrd	45	92	44	5	6	2	-	7-8	10	1500
	Felixstowe ...	15	15·4	-38	SW'S	4	rdrd	43	97	42	4	5	-	-	10	10	900
	Gorleston ...	5	15·1	-28	SW	4	rr	43	85	39	6	6	-	-	10	10	500
	Mildenhall ...	19	13·7	-30	SW'S	5	rdrd	46	92	45	6	5	2	-	9+	10	800
	Cranwell ...	240	11·1	-26	SW	4	zo	47	92	45	6	5	-	-	10	10	1100
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13·9	-36	SSW	4	rdrd	46	92	45	6	5	-	-	10	10	700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12·4	-26	SW	4	s/r	50	97	49	6	5	2	-	9	10	800
	Bristol ...	209	13·2	-34	SW'S	5	ir	48	92	46	6	-	2	-	10	10	1200
	Portland Bill ...	32	15·7	-34	SSW	5	o	49	92	47	7	5	-	-	10	10	2500
	Plymouth ...	82	15·2	-34	SW	5	dro	50	97	50	5	6	2	-	9+	10	800
	The Lizard ...	240	15·1	-24	SW'W	6	rdrd	51	97	51	7	5	-	-	10	10	1000
	Scilly (St.Mary's)	163	14·6	-8	W'S	5	s/r	52	97	52	6	5	2	-	7-8	10	800
	Guernsey ...	175															
6	Pembroke ...	142	11·1	-26	WSW	5	cq	50	97	50	7	8	2	-	7-8	9+	2500
7	Holyhead ...	26	08·0	-36	WSW	6	zo	49	92	48	6	5	-	-	10	10	600
	Chester(Sealand)	16	09·7	-26	SE	2	s/r	47	97	46	5	5	7	-	4-6	7-8	3000
8	Manchester ...	235	09·6	-34	SW'S	4	c	46	97	46	7	5	3	-	2-3	9	2500
10	Spurn Head ...	29	10·8	-24	SW	3	c	48	85	43	7	5	2	-	7-8	10	1500
	Catterick ...	175	07·8	-24	S'W	1	c	49	85	45	8	5	6	-	9	9+	1800
	Tynemouth ...	108	07·5	-20	W	3	c	48	85	44	7	2	-	-	7-8	7-8	2500
11	St. Abbs Head	280	04·0	-14	SW	2	c	48	85	44	8	4	4	-	4-6	7-8	2500
	Leuchars ...	36	02·4	-20	WSW	3	bc	47	92	44	7	5	3	-	4-6	4-6	2500
12	Renfrew (Abbotsl.)	19	03·9	-22	SW'S	4	dro	49	92	47	6	6	1	-	7-8	9+	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	06·4	-26	WSW	4	c	49	92	47	8	8	7	-	7-8	9+	3500
13A	Tiree	22	04·8	-6	N	4	c	45	85	43	8	8	-	-	7-8	7-8	1800
13B	Stornoway ...	80	08·5	+18	NE	7	rr	40	92	37	6	8	2	-	7-8	10	800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	45	*	*	*	*	*	*	*	*	*
	Wick ...	119	06·3	+22	NE'N	8	rdrd	38	92	35	6	-	2	-	10	10	800
16	Sumburgh ..	30	08·2	+10	NNE	4	c	37	85	32	8	5	7	-	7-8	10	2500
17	Blacksod Point	18	08·3	+4	W	5	s/d	49	97	48	7	5	-	-	10	10	800
18	Malin Head ...	84	04·8	-10	N	4	rr	46	97	45	6	3	-	-	9+	9+	800
	Aldergrove ...	268	05·3	-32	SSW	3	iR	48	92	46	6	8	7	-	4-6	10	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·3	-14	W'N	4	c	50	92	48	8	8	-	-	7-8	7-8	1500
	Roches Point	22	09·4	-26	WSW	3	bc	49	97	48	8	3	-	5	2-3	4-6	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	08·9	-30	SW'S	4	dro	46	97	45	6	5	-	-	10	10	1500	1	*
	Croydon ...	09·4	-30	SSW	4	dodo	47	97	45	6	5	-	-	10	10	900	1	*
	S. Farnborough	08·8	-38	SSW	4	dro	48	85	48	6	6	-	-	10	10	600	1	*
	Boscombe Down	09·3	-34	SSW	4	c	48	97	47	7	5	3	-	4-6	9	1000	1	*
	Thorney Island	10·1	-36	SW'S	4	s/r	47	97	47	6	5	-	-	9+	10	600	1	*
	Lympne ...	13·3	-22	SW	3	rdrd	45	97	43	5	5	-	-	10	10	400	1	*
	Manston ...	11·0	-26	SW	5	s/r	45	92	43	6	5	-	-	10	10	800	1	*
2	Shoeburyness ...	10·8	-24	SW'S	4	c	45	92	43	6	5	2	-	9+	10	1400	1	*
	Felixstowe ...	09·7	-26	SW	5	s/d	44	92	43	6	5	-	-	10	10	700	1	3
	Gorleston ...	09·0	-30	WSW	4	dro	47	85	43	7	6	-	-	10	10	1500	1	4
	Mildenhall ...	07·6	-30	SSW	4	bc	48	92	45	7	5	7	-	2-3	4-6	4000	1	*
	Cranwell ...	05·5	-30	SW	4	dro	47	92	45	7	5	-	-	10	10	1500	1	*
3	Birmingham ...	05·2	-30	SSW	3	s/pr	47	92	45	8	8	7	-	4-6	7-8	1500	1	*
	Upper Heyford	07·6	-34	S'W	4	dro	47	97	46	6	5	7	-	4-6	10	600	1	*
4	Ross-on-Wye	06·0	-30	SW'W	3	c	48	92	45	8	8	-	-	9	9	2500	1	*
5	Hartland Point	07·5	-12	W	5	s/pr	49	92	47	7	8	-	-	7-8	7-8	1500	1	5
	Bristol ...	07·2	-28	SW'W	5	dro	49	92	47	7	-	2	-	9+	9+	1600	1	*
	Portland Bill ...	09·7	-22	SW	5	s/pr	49	92	47	7	5	-	-	7-8	7-8	4000	1	5
	Plymouth ...	10·1	-20	WSW	5	c	51	92	50	7	8	-	-	7-8	7-8	1200	1	4
	The Lizard ...	10·2	-20	W	6	s/pr	49	97	49	7	8	6	-	7-8	9+	1500	1	5
	Scilly (St.Mary's)	10·0	-18	WNW	5	cjp	50	92	49	7	8	-	-	9+	9+	1000	1	5
	Guernsey ...																	
6	Pembroke ...	06·0	-14	N'S	5	bcq	50	92	48	7	8	7	-	4-6	9+	2500	1	4
7	Holyhead ...	02·5	-14	W'N	5	c	48	92	47	7	5	-	-	9+	9+	2300	1	4
	Chester(Sealand)	03·5	-26	WSW	2	dro	48	92	45	6	5	7	-	4-6	10	1500	1	*
8	Manchester ...	04·1	-22	SSW	4	rr	47	97	45	6	9	-	-	10	10	1200	1	*
10	Spurn Head ...	05·5	-26	SW	2	c	46	97	45	7	5	2	-	1	7-8	1500	1	3
	Catterick ...	02·7	-30	SE	1	c	45	97	45	7	5	7	-	4-6	9+	3000	1	*
	Tynemouth ...	03·0	-20	W	3	c	47	85	44	6	8	-	-	9+	9+	2500	1	3
11	St. Abbs Head	01·0	-12	N	5	rdrd	44	97	43	7	5	2	-	9	10	1500	1	3
	Leuchars ...	03·9	+20	ENE	3	s/r	39	85	36	7	5	-	-	10	10	1600	2	*
12	Renfrew (Abbotsl.)	04·0	+16	ENE	4	rdrd	41	85	40	7	-	2	-	10	10	2400	1	*
	Eskdalemuir ...	00·6	-26	-	0	RR	45	97	44	4	-	2	-	10	10	300	1	*
	Point of Ayre...	00·7	-24	NW	4	s/r	47	97	47	8	8	3	-	4-6	10	2500	1	4
13A	Tiree	07·5	+30	NNE	7	c	42	75	35	7	5	-	-	9+	9+	1800	0	5
13B	Stornoway ...	12·8	+18	NNE	7	phr	37	85	33	7	8	7	-	7-8	10	800	1	4
15	Dalwhinnie ...	04·4	+14	NE	4	prs	33	92	32	6	5	-	-	10	10	2500	1	*
	Aberdeen ...	06·7	+28	NNE	4	rdrd	37	92	35	7	5	-	-	10	10	1900	1	2
	Wick ...	10·4	+18	NNE	6	pr	38	75	30	7	8	7	-	7-8	9+	1800	2	5
16	Sumburgh ..	11·2	+18	NNE	4	bc	33	85	30	8	8	-	1	2-3	2-3	2500	1	4
17	Blacksod Point	09·6	0	NNW	4	s/r	46	75	38	7	5	-	-	10	10	1500	1	4
18	Malin Head ...	04·9	+2	NNE	7	pr	44	85	40	7	9	-	-	7-8	7-8	1500	1	6
	Aldergrove ...	03·5	0	WNW	2	s/pr	43	97	42	7	8	4	-	9	9+	1200	1	*
19	Birr Castle ...	06·5	+2	W	2	c	45	92	43	8	5	-	-	9	9	4000	1	
20	Valentia Obsy.	11·8	+10	NNW	5	c	47	85	43	8	8	-	-	7-8	7-8	2500	1	4
	Roches Point	07·4	-6	WNW	5	pr	47	92	45	8	3	-	-	7-8	7-8	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 3rd Hrs. (38)
1	London (Kew)	45	44	42	0·4	6	0·0
	Croydon ...	45	43	41	0·1	8	0·0
	S. Farnborough	46	44	42	0·4	5	0·0
	Boscombe Down	46	44	41	1	7	0·0
	Thorney Island	46	45	44	tr	5	0·0
	Lympne ...	44	40	39	-	5	0·0
	Manston ...	44	41	37	-	3	0·0
2	Shoeburyness ...	45	42	41	tr	5	0·0
	Felixstowe ...	44	41	40	-	5	0·0
	Gorleston ...	46	42	39	tr	3	*
	Mildenhall ...	46	44	41	tr	4	0·0
	Cranwell ...	47	45	42	1	0·6	0·0
3	Birmingham ...	45	44	43	1	2	0·0
	Upper Heyford	46	44	43	tr	5	*
4	Ross-on-Wye	47	46	43	tr	6	0·0
5	Hartland Point	49	48	47	2	6	0·0
	Bristol ...	49	45	45	-	8	0·0
	Portland Bill ...	48	47	*	tr	8	*
	Plymouth ...	50	48	47	tr	10	0·0
	The Lizard ...	50	49	*	0·3	8	0·0
	Scilly (St.Mary's)	51	50	*	0·1	4	0·0
	Guernsey ...						
6	Pembroke ...	50	43		8	3	0·0
7	Holyhead ...	51	47	46	8	3	*
	Chester(Sealand)	52	46	36	0·2	1	0·0
8	Manchester ...	48	44	41	1	1	*
10	Spurn Head ...	46	44		0·6	tr	0·0
	Catterick ...	51	45	39	tr	1	0·0
	Tynemouth ...	52	46	41	1	-	*
11	St. Abbs Head	50	51	*	1	0·3	*
	Leuchars ...	51	39	38	1	1·5	0·0
12	Renfrew (Abbotsl.)	51	40	39	5	6	0·0
	Eskdalemuir ...	48	44	43	2·8	-	0·0
	Point of Ayre...	52	47	*	4	3	0·0
13A	Tiree	50	51	41	3	0·5	0·0
13B	Stornoway ...	48	37	*	5	5	0·0
15	Dalwhinnie ...	47	32	31	9	tr	0·0
	Aberdeen ...	51	37	35	3	7	0·0
	Wick ...	50	36	35	-	10	*
16	Sumburgh ..	48	33	30	1	1	0·0
17	Blacksod Point	53	44	-	1	1	*
18	Malin Head ...	51	44	42	-	4	0·0
	Aldergrove ...	51	42	-	5	1	
19	Birr Castle ...	53	44	42	1	3	0·1
20	Valentia Obsy.	54	46	44	3	6	*
	Roches Point	*	*	*	7	3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 3rd January ... 18h. G.M.T.				01h. G.M.T. 4th January ... 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	
10957	02844	23355		5-	53538	04428		8-	02857	02627	
11552	02834	22427		--	67109	22369		52	62835	37668	52
03357	51728	20468						6-	63738	04568	6-
20857	02955	20157		5-	64648	24168		5-	64648	30168	5-
21087	02857	22367		02	62648	00068		02	64538	35768	62
220											62
23057	52418	20458		6-	21747	20467		5-	22967	21267	51
24557	02745	22368		57	22744	22264		57	02746	00028	52
26052	52746	20568		57	22646	55468		5-	02864	22386	5-
27852	61827	20868		84	01843	21365		8-	02867	20327	8-
27952	64525	52668		8-	25547	52587		5-	02757	30487	87
28567	63638	22568									
28852	05654	51428		54	05647	18368		80	25854	19384	57
57857	22847	24368		83	25745	22846		5-	51648	22258	50
30162	22645	20568		52	01635	20568		5-	05657	53427	6-
321				51	05646	52568		50	05645	18425	5-
29957	05650	20415						50	01753	23213	50
29252	05535	17528		52	61647	18368		8-	25657	18387	5-
31057	57109	20469									
614				5-	05548	53428		5-	21438	20468	57

13h. G.M.T. 3rd January ... 18h. G.M.T.				01h. G.M.T. 4th January ... 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	
33357	62628	18668		5-	02628	20568		5-	51745	22457	57
33457	56547	28258		--	56437	26458					
340								5-	21658	18358	53
13652	21646	19468		5-	22648	13568		62	61527	53468	5-
33662	62626	20468		62	62526	20468					
350				5-	61638	18468		5-	62538	18568	5-
36852	02745	20368		62	62635	53468		57	52646	21468	87
3795-	61628	20568		5-	22638	20458		5-	52428	53468	5-
3905-	43348	* *		5-	45348	20468		5-	22438	20468	5-
382								62	63646	20468	57
438											
43662	05663	20558		57	05666	20528		5-	64638	55568	5-
409				52	64637	18568		5-	52518	21568	57

01h. G.M.T. 4th January ... 07h. G.M.T.						
C_L C_M	wwVhN$_h$	DDFWN		C_L C_M	wwVhN$_h$	DDFWN
5-	02628	22366				
5-	21658	18358	53	02745	18327	
62	61527	53468	5-	02747	54457	
5-	62538	18568	5-	51638	18358	
57	52646	21468	87	81743	23584	
5-	52428	53468	5-	64538	53568	
5-	22438	20468	5-	22436	18468	
62	63646	20468	57	02756	18427	
5-	64638	55568	5-	62628	55668	
5-	52518	21568	57	02735	22568	

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C_L C_M = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

For the 24 hours ending morning of 4th January
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 ...	drdrmo	drrrmo	drr,rrir	Kew 24 hours ended 7h. Max. 0·1 Time 7–21h 3rd. Min. 0·01 Time of Period.
Croydon ...	rmoidc	c2o mo	drrrir	
Greenwich ...	cidc	c	drrrir	
Camden Square	0	0		
Kensington ...	0	0		
Hampstead ...	or	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	45	44	42	0·4	6	0·0	*	*
Croydon ...	45	43	41	0·1	8	0·0	*	*
Greenwich ...	46	44	42	Tr	6	0·0	77	94
Westminster ...	50	44	42	6			84	94
Regents Park ...								
Camden Square	45	45	42	Tr	7	*	*	92
Kensington ...	47	44	42	0·1	6		81	94
Hampstead ...	45	42	41	0·6	6		*	98

SECRET

Monday 5th January 1942

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

BRITISH SECTION

No. 29264

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

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)	05·6	-16	SW'W	4	Zo	50	85	46	6	8	-	1	9	9+	1500
	Croydon ...	06·5	-14	WSW	3	Zo	52	75	46	6	5	-	-	7-8	9+	1200
	S. Farnborough	06·0	-18	WSW	4	c	51	85	45	9	8	-	-	9+	9+	1200
	Boscombe Down	07·3	-10	SW	4	c	49	85	45	8	8	-	-	9	9	1000
	Thorney Island	07·4	-14	WSW	4	c	51	85	47	7	2	3	2	46	7-8	2500
	Lympne ...	08·6	-26	WSW	4	ro	48	97	48	6	5	-	-	10	10	200
	Manston ...	07·2	-22	SW	4	Zo	49	92	46	6	5	-	-	7-8	9	700
2	Shoeburyness ...	06·6	-20	SSW	4	c	50	85	46	6	8	-	-	9+	9+	2500
	Felixstowe ...	05·2	-26	SW'S	4	c/d	46	92	44	7	5	-	-	9	9	1800
	Gorleston ...	04·9	-24	SW	4	c/pr	47	92	45	7	8	3	-	9+	9+	1400
	Mildenhall ...	04·2	-18	SW	4	c	51	85	47	8	8	-	-	9	9	1400
	Cranwell ...	02·3	-14	SW'W	4	Zo	49	85	45	6	8	-	-	9+	9+	1600
3	Birmingham ...	03·8	-10	WSW	3	c	47	85	43	8	8	-	-	9+	9+	1500
	Upper Heyford	05·4	-8	SW'S	4	c	48	82	45	8	5	-	-	9+	9+	1000
4	Ross-on-Wye	04·8	-8	W'S	3	c	50	75	41	8	4	-	-	7-8	7-8	3000
5	Hartland Point	07·0	-8	NW	3	c/pr	48	92	45	8	8	6	-	7-8	9	1300
	Bristol ...	06·0	-10	W	4	c	49	92	46	7	8	3	-	4-6	7-8	2000
	Portland Bill ...	08·1	-6	W	5	c	50	92	48	8	5	-	-	10	10	4000
	Plymouth ...	08·7	-10	W	5	pr	52	85	46	6	8	-	-	9	9	2000
	The Lizard ...	09·4	-10	WNW	5	c	49	92	47	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	10·3	+2	NW'N	5	c/pr	51	85	46	8	8	6	3	4-6	9	1000
	Guernsey ...															
6	Pembroke ...	07·6	+2	NW	5	c	47	85	42	8	8	6	-	4-6	7-8	2500
7	Holyhead ...	03·9	0	WNW	4	c	46	85	43	8	8	-	-	9+	9+	1500
	Chester (Sealand)	03·4	-2	W	4	c/pr	47	85	43	6	9	-	3	9	9+	1000
8	Manchester ...	02·7	-4	NW	4	c/pr	45	97	44	6	9	-	-	10	10	1500
10	Spurn Head ...	01·6	-6	SW'W	3	c	48	92	45	6	5	7	-	4-6	9+	2500
	Catterick ...	01·7	-4	NNW	2	rf	45	97	45	3	6	2	-	9	10	1800
	Tynemouth ...	01·7	-4	NNE	3	rr	44	92	42	6	-	2	-	10	10	1900
11	St. Abbs Head	06·2	+12	NNE	7	ro	38	92	35	6	5	2	-	9	10	1500
	Leuchars ...	09·3	+22	NE	4	c	38	75	32	8	-	2	-	10	10	4500
12	Renfrew (Abbots I.)	09·7	+22	NE'E	4	rs	38	85	33	6	-	2	-	10	10	500
	Eskdalemuir ...	05·4	+14	NE'N	6	rs	35	92	33	4	-	2	-	10	10	300
	Point of Ayre ...	04·6	+18	NE'E	7	ro	42	92	40	7	6	-	-	10	10	700
13A	Tiree	11·2	+6	NNE	5	c	41	85	37	8	5	-	-	7-8	7-8	1800
13B	Stornoway ...	14·4	+32	NNE	7	phr	35	92	34	7	2	6	-	4-6	7-8	1000
15	Dalwhinnie ...	13·5	+20	NE	4	ps	31	92	29	6	5	2	-	9	10	2500
	Aberdeen ...	10·4	+16	N'E	3	c	37	85	32	8	5	2	-	9	9+	1900
	Wick ...	14·8	+18	NNE	5	cjp	36	65	24	8	3	7	2	7-8	9	2000
16	Sumburgh ...	14·8	+10	NW	4	bc	34	85	30	8	8	-	-	2-3	2-3	2500
17	Blacksod Point	11·7	+14	NNE	7	c/pr	44	85	40	7	9	-	-	9+	9+	1500
18	Malin Head ...	11·8	+28	N'E	6	rr	40	85	36	7	3	-	-	9	9	1500
	Aldergrove ...	08·4	+26	N'E	4	id.	38	92	35	6	5	-	-	10	10	800
19	Birr Castle ...	08·2	0	NNE	2	bc	46	75	38	8	5	6	-	4-6	4-6	4000
20	Valentia Obsy.	11·5	-6	N'W	4	bc	45	75	37	8	2	-	-	2-3	2-3	1500
	Roches Point	09·6	-4	NW	4	bc	47	75	39	8	3	-	3	4-6	4-6	1500

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

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)
05·3	+2	SW	3	Zo	47	92	45	6	5	-	-	9+	9+	2500	1	*
05·6	+4	WSW	2	ro	47	92	46	6	6	2	-	10	10	1000	1	*
05·9	+4	WSW	3	pr	46	92	44	8	5	9	-	9+	9+	3000	1	*
06·9	+4	W'S	3	c	44	97	43	7	8	-	-	9	9	2500	2	*
06·4	-8	W'S	3	ir	49	92	47	5	8	-	-	9+	9+	1100	1	*
07·1	-4	S	1	c	43	97	45	6	5	-	2	7-8	9	2500	1	§
05·7	0	SW	3	Zo	47	92	43	6	5	-	-	9+	9+	2500	1	*
05·8	0	SW	3	blr	48	85	45	6	9	-	-	10	10	2500	1	*
04·4	-2	SW'W	3	c/r	46	92	44	6	8	-	-	10	10	4300	1	3
04·5	0	SW	2	c/pr	50	85	46	6	5	-	-	10	10	1500	1	3
03·6	+2	W'S	4	Zo	48	85	44	6	5	-	-	10	10	2500	1	*
03·0	+6	W'N	3	Zo	45	85	41	6	5	-	-	10	10	1000	1	*
05·2	+6	WSW	2	c	43	75	35	6	-	7	-	0	9	-	1	*
05·3	+4	W	3	bc	43	85	38	7	6	-	-	4-6	4-6	2000	1	*
05·9	+4	W'S	2	c	44	65	34	9	5	7	9	4-6	7-8	3000	1	*
07·6	+2	NW	3	c	46	65	36	8	8	-	-	4-6	4-6	2500	1	4
06·6	+12	NW	2	Zo	44	92	32	6	8	3	-	2-3	4-6	1500	1	*
06·9	-2	WSW	4	c	48	92	48	7	5	-	-	7-8	7-8	2500	1	5
08·9	+8	NW	2	bc	45	92	48	6	8	6	-	2-3	4-6	2000	1	3
09·6	-2	WNW	4	bc	47	85	42	8	8	6	-	4-6	4-6	2500	1	4
09·8	-2	NW'W	4	c	47	75	42	8	8	6	3	4-6	7-8	1500	1	
07·3	0	NW	4	c	46	65	36	8	2	6	-	4-6	7-8	2500	1	3
06·6	+22	NE'N	5	pr	41	85	36	6	8	-	-	10	10	1200	1	4
05·5	+22	NE	5	pr	42	85	38	4	9	-	-	10	10	1200	1	*
05·2	+22	N'E	3	c/pr	40	85	36	5	9	-	-	10	10	2500	1	*
01·9	+4	W'N	3	Zo	44	97	43	5	5	-	-	10	10	1500	1	3
07·0	+40	NNE	5	rs	36	97	35	6	6	2	-	9	10	800	1	*
08·0	+24	NNE	9	rr	41	85	37	6	-	2	-	10	10	1500	1	6
10·8	+16	NNE	7	ro	39	97	38	7	5	2	-	7-8	10	1500	1	5
13·6	+30	NE	4	bc	36	75	28	8	5	-	-	4-6	4-6	3500	1	*
13·7	+24	NNE	4	bc	37	65	25	8	5	-	-	4-6	4-6	2500	1	*
09·8	+22	NNE	6	rs	33	92	32	4	-	2	-	10	10	300	4	*
09·6	+24	NE'E	7	ir	41	85	36	8	9	-	-	9+	9+	1800	1	6
17·8	+24	NE	5	bc	38	75	29	8	8	-	-	4-6	4-6	2500	1	5
21·8	+38	NNE	6	c/ph	33	97	33	7	3	2	-	7-8	9	1000	4	4
16·4	+18	N	4	c	29	85	27	8	2	4	-	4-6	9	2500	4	*
14·3	+20	NNE	4	ss	34	92	33	6	-	2	-	7-8	7-8	3000	4	*3
17·0	+6	NNE	6	bc	35	85	33	8	4	-	-	4-6	4-6	2500	4	*
16·8	+10	N'E	4	b	33	85	30	8	8	-	-	1	1	3500	4	3
15·6	+28	NNE	7	cq	44	85	40	7	9	-	-	9	9	1500	1	6
15·5	+26	N'E	6	phr	43	75	35	8	9	-	-	7-8	7-8	4000	1	6
13·3	+24	NE'N	3	rs	35	97	34	6	5	-	-	10	10	900	1	*
10·9	+14	N	4	c/r	39	85	35	8	6	2	-	4-6	10	1500	1	
12·0	+10	NNE	3	pr	42	92	40	8	9	-	-	9+	9+	1500	1	*3
09·3	+2	NW'W	5	bc	45	85	41	8	3	-	5	2-3	4-6	1500	1	*

PAST 24 HOURS.

Weather. 7h.–13h. 4th (39)	13h.–18h. 4th (40)	18h. 4th to 1h. 5th (41)	1h.–7h. 5th (42)
cirocmo	cprocmo	cbcmow	cmo
cmo	czmorro	cmorro	cmo
ir mod bc	cPRpro	cprocbcc	ciroc
cproc	cPHRpro	brnoc	c
cmorrobc	bccro	cirob	brnocmo
omrro	morsc	cmoRRb	cmoc
dodocmo	cbccmo	prprcmo	cmoiroc
PRmoc	pmorcmo	crorobcbq	cbccmo
omocido	cmoircmo	cirornocmo	irocmo
cpr.	crprero	bcairo	oiro
crorcmoc	cmo	croroC	cbcbbcb
cirocmo	cmo	cmorro	cbprso
cpr.	c		bc
r.cpre	cbc	cmo	cirobc
cbc	cbcc	cbccp	cbc
cpr	cpcbc		cphrir
cbcir.	cbcmo	bcmo	cmoidbc
c	c	c	c
cmopr.cmo	cpr.	cbwx	bfxc
cprc	cprbc	bcw	bctl
cpo		bccp	crct
c	c	bccprq	cprq
prcc	cpro	crro mo	rab
ir oi Dmo	cmocr	cmorr	cbcmo
rrmpm	mopro	moproc	cpso
c	om	oir	cq
id. rf	crrmors	cphc	cpsrmo
offrr	orr	oyrcprc	cp
cprr	crr	cq pr	cq
ro ir c	cbc	bc b	bcbpso
mororsso	rSo cbc	bc,c,bc	bcbx
orrrsrs	orsrs	rsrssscc	rsr
rorcc	ir cc	Iroc	cbcb
c	bc	bcph	bcph
cssph.	cisssph	cphbc	bccphps
ops	opsc	*	oc
cirphoir.	cpsssmo	oss	csscbc
prophpsh	cpso bc	cpso cph	bho bc
bcjp	beb	bpso bc	bc ps
pr	c	cprh	bc
r	r	b bc	c
cidomo	crsrsmo	rs ir obcc	clobc
bc	r	*	bc
pr	pr	pr	bc
pr	pr	pr	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 5th January, 1941.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Fresh to moderate northerly winds; considerable fine periods; some snow showers chiefly near the East coast, where falls may be appreciable; cold; hard to severe frost at night.
5 S.W. England 6 South Wales	Fresh or strong N.E. winds, backing, moderating; broken variable cloud; a few local coastal showers of rain or hail; cold; frost at night.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Winds northerly, moderate to fresh locally, on coast, backing N.W., freshening later. Considerable bright periods; local snow showers chiefly near the coast; more cloud tomorrow. Cold with hard night frost, becoming rather less cold.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate to fresh northerly winds backing N.W., freshening; bright intervals and snow showers; some more general light snow, sleet or drizzle tomorrow;
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland	cold, frost inland at night, then less cold.
19 S.E. Ireland 20 S.W. Ireland	As 5-6

GENERAL INFERENCE

A large anticyclone centred over the N.E. Atlantic, dominates the British Isles, but there is probably a depression north of Iceland, which will move southeast. There will be considerable bright periods in many areas, but some snow showers will occur in eastern, northern and northwestern coastal areas. Conditions will be cold with hard frost at night. There will be more cloud in Scotland tomorrow.

FURTHER OUTLOOK

Rather cold northerly type of weather with further snowfall at times in the North.

↑ Gale warning in operation in district 10. Time of issue 0915h on 4:1:42.

Forecasts issued at 10.30h. G.M.T.

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

7h. Monday 5th January. 1942

HIGH

LOW

LOW

1024

1022

1020

1018

1016

1014

1012

1010

1010

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 ¼ mbs.

Dew Point °F

Bar. tendency

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud

10° 5°W. 0° 5°E. 10°

60° 55° 50°

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

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 5th January 1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Monday 5th January 1942 — No. 29264

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

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)	°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)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	++	*	*	*	*	*	*	*	*	*
	Croydon ...	217	08·9	+18	NW	3	z₀	40	85	37	6	6	2	–	7-8	10	1500
	S. Farnborough	226	09·6	+22	NW	2	c	38	85	35	7	5	–	–	10	10	1500
	Boscombe Down	417	10·0	+18	NNW	1	z₀	36	97	35	6	5	7	–	7-8	9+	3000
	Thorney Island	10	08·9	+12	WNW	2	z₀	38	97	37	5	–	3	–	0	1	–
	Lympne ...	346	08·4	+10	WNW	2	z₀	37	97	36	6	–	–	2	0	1	–
	Manston ...	154	07·7	+16	W'N	2	z₀	40	85	36	5	5	–	–	Tr	Tr	800
2	Shoeburyness ...	11	07·9	+12	W	4	c	42	85	39	6	5	2	–	9	10	1500
	Felixstowe ...	15	06·3	+12	WNW	4	z₀	42	92	40	5	5	–	–	9+	9+	1200
	Gorleston ...	5	05·8	+10	N	5	ir₀	41	92	39	6	5	–	–	10	10	1000
	Mildenhall ...	19	08·0	+30	N	4	c/r	38	92	36	7	5	–	–	9+	9+	1500
	Cranwell ...	240	10·6	+30	NNE	5	c/r	36	92	33	7	5	3	–	4-6	10	1000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	100	+26	NNE	4	z₀	38	85	33	6	5	–	–	10	10	1500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	08·7	+4	ENE	2	c	43	75	37	8	3	–	–	7-8	7-8	1500
	Bristol ..	209	10·2	+18	ENE	1	ir₀	37	92	36	5	5	–	–	10	10	1600
	Portland Bill ...	32	08·8	+6	NW	3	c	46	85	42	8	2	–	–	9	9	4000
	Plymouth	82	09·8	+6	SE	2	f+	36	97	36	2	–	–	–	10	10	<150
	The Lizard ...	240	09·9	+2	NNW	1	bc	39	85	38	8	8	–	–	4-6	4-6	2000
	Scilly (St.Mary's)	163	09·9	+2	NW	5	pr	44	75	37	8	8	–	–	9+	9+	1200
	Guernsey ...	175															
6	Pembroke ...	142	09·6	+14	NE	6	cq	41	85	37	7	8	3	–	7-8	10	2500
7	Holyhead ...	26	13·5	+26	NE'N	5	r₀r₀	39	85	34	6	5	–	–	10	10	900
	Chester(Sealand)	16	13·3	+26	N'W	2	c	38	75	32	7	5	–	–	4-6	10	2500
8	Manchester ...	235	12·5	+26	NE'E	4	c	37	85	33	7	5	7	–	4-6	10	3000
10	Spurn Head ...	29	11·1	+40	NNE	6	r₀r₀	37	85	33	7	6	–	–	10	10	800
	Catterick ...	175	13·4	+18	N	3	c/phr	35	85	31	7	5	3	–	4-6	9+	2500
	Tynemouth ...	108	12·3	+10	NNE	8	c	41	55	37	7	8	–	–	9	9	2500
11	St. Abbs Head	280	15·2	+14	N	6	c/r	36	75	30	7	8	4	–	4-6	7-8	1500
	Leuchars ...	36	17·6	+12	WNW	1	b	34	75	26	8	–	4	–	0	1	–
12	Renfrew (Abbotsl.)	19	19·5	+20	NW'N	3	bc	32	75	26	9	5	3	–	2-3	4-6	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	17·0	+26	NE'E	6	c	39	75	38	8	8	–	–	9+	9+	3000
13A	Tiree	22	22·0	+10	NE'N	5	bc/phr	37	85	32	8	8	–	–	4-6	4-6	1800
13B	Stornoway ...	80	24·4	0	NNW	4	bc	31	97	31	8	3	–	–	4-6	4-6	1000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	33	*	*	*	*	*	*	*	*	*
	Wick ...	119	20·1	+10	N	5	c	33	85	29	8	3	6	–	4-6	7-8	2500
16	Sumburgh ..	30	18·2	+4	N	4	bc	33	75	28	8	8	3	–	1	4-6	3500
17	Blacksod Point	18	22·1	+26	NE	7	PHR	38	97	37	7	9	–	–	10	10	1500
18	Malin Head ...	84	21·3	+16	N'E	5	bc	39	65	29	8	2	–	–	2-3	2-3	5700
	Aldergrove ...	268	19·7	+22	N	4	c	34	75	27	8	7	–	–	7-8	7-8	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18·2	+28	NE'E	4	c	39	75	33	8	8	–	–	7-8	7-8	2500
	Roches Point	22	14·9	+22	NE	5	c	41	85	37	8	3	3	–	2-3	7-8	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	°F Temp. (21)	% Humid. (22)	°F Dew Point. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	13·5	+22	N'E	4	z₀	38	78	31	6	5	3	–	4-6	9+	1500	1	*
	Croydon ...	12·4	+16	NNE	5	z₀	37	85	32	6	5	–	–	10	10	3000	1	*
	S. Farnborough	13·3	+18	NNE	3	o	38	75	31	7	5	–	–	10	10	2500	1	*
	Boscombe Down	13·6	+18	N'E	3	c	36	85	32	7	5	–	–	9	9	2000	1	*
	Thorney Island	12·1	+16	NNE	3	z₀	38	85	33	6	5	–	–	10	10	1900	1	*
	Lympne ...	11·8	+14	N	4	o	39	85	34	8	5	–	–	10	10	800	1	3
	Manston ...	11·1	+14	NNE	4	c	39	75	32	7	5	–	–	4-6	10	1300	1	*
2	Shoeburyness ...	12·3	+16	NNE	3	c	37	85	33	6	8	3	–	2-3	7-8	2400	1	*
	Felixstowe ...	11·8	+26	N'W	2	z₀	37	85	32	6	5	–	–	9+	9+	1500	1	3
	Gorleston ...	10·3	+14	N'E	4	z₀	39	75	32	6	5	2	–	4-6	10	1500		4
	Mildenhall ...	12·3	+14	NW	3	bc	33	92	31	7	3	7	–	2-3	2-3	2500	1	*
	Cranwell ...	14·6	+14	NNE	3	bc/ps	34	92	32	6	–	7	–	0	4-6	–	4	*
3	Birmingham ...	13·6	+16	NNE	3	c	35	85	30	6	–	7	–	0	9	–	1	*
	Upper Heyford	14·2	+22	N	4	c	34	92	32	7	5	3	–	9	9+	2500	1	*
4	Ross-on-Wye	13·2	+14	N	3	c	36	85	30	7	5	–	–	7-8	7-8	4000	1	*
5	Hartland Point	12·9	+24	NE	6	ir	39	85	35	8	6	2	–	4-6	10	1500	1	4
	Bristol ..	14·3	+16	NE	3	z₀	37	85	32	6	5	3	–	4-6	9+	2000	1	*
	Portland Bill ...	11·7	+18	NE	4	c	40	85	38	7	5	–	–	10	10	4000	1	4
	Plymouth	11·8	+14	ENE	4	c	39	85	34	7	5	–	–	9+	9+	3000	0	3
	The Lizard ...	101	+8	NE	4	bcl	39	92	36	8	8	6	–	4-6	4-6	2500	0	3
	Scilly (St.Mary's)	10·5	0	NNE	4	cjp	44	75	37	8	8	6	3	4-6	9+	1200	1	4
	Guernsey ...																	
6	Pembroke ...	14·3	+20	NE	6	cq	39	75	37	7	8	6	–	7-8	7-8	2500	1	3
7	Holyhead ...	18·3	+20	NE	5	bc	37	75	30	8	2	–	–	2-3	2-3	2000	1	4
	Chester(Sealand)	17·4	+14	N'W	4	z₀	34	75	29	6	–	3	–	0	2-3	–	1	*
8	Manchester ...	16·8	+14	NE	3	ps	35	85	29	7	5	–	–	7-8	7-8	3500	1	*
10	Spurn Head ...	13·2	+12	N'W	5	cq	38	85	33	7	8	2	–	4-6	7-8	1500	1	5
	Catterick ...	17·3	+14	NNW	3	ps	34	85	31	6	5	–	–	10	10	1000	4	*
	Tynemouth ...	17·3	+14	NNE	8	E/pr	36	85	33	7	2	–	–	7-8	7-8	2500	1	6
11	St. Abbs Head	17·5	+12	N	6	cq	35	85	29	7	8	4	–	4-6	9+	1500	1	4
	Leuchars ...	20·5	+10	NW	2	b	33	85	28	8	8	–	–	Tr	Tr	3200	4	*
12	Renfrew (Abbotsl.)	22·1	+14	NNE	1	b	32	75	24	8	5	–	–	Tr	Tr	2000	1	*
	Eskdalemuir ...	20·3	+10	N	4	b	28	85	23	7	2	–	–	Tr	Tr	1800	8	*
	Point of Ayre...	20·3	+14	NE	6	b	37	75	30	8	1	4	–	Tr	1	3500	0	
13A	Tiree	24·0	+8	NE'N	5	c	38	97	32	8	8	–	–	7-8	7-8	1500	0	5
13B	Stornoway ...	25·3	+2	NNW	4	c	30	97	30	7	3	6	–	4-6	7-8	1000	7	2
15	Dalwhinnie ...	23·1	+6	N	3	c	27	85	23	8	8	–	–	9	9	1500	4	*
	Aberdeen ...	19·7	+4	NNW	4	bc	31	92	31	7	3	–	–	4-6	4-6	2600	8	3
	Wick ...	21·3	+8	N	3	bc	34	75	27	8	2	6	–	2-3	4-6	2000	4	*
16	Sumburgh ..	19·8	+6	NNE	3	ps	32	75	26	6	9	–	–	9	9	1000	4	3
17	Blacksod Point	25·1	+8	NE	7	bcq	41	85	37	8	3	–	–	4-6	4-6	2500	1	6
18	Malin Head ...	23·8	+12	N'E	5	phr	38	85	34	7	2	7	–	9	9	2500	1	6
	Aldergrove ...	22·8	+10	N	1	bc	29	85	25	8	7	–	–	4-6	4-6	3000	1	*
19	Birr Castle ...	22·1	-22	N	3	b	32	85	29	8	–	–	–	0	0	–	1	
20	Valentia Obsy.	20·9	+18	NNE	6	bc	37	65	27	9	8	–	–	4-6	4-6	2500	1	5
	Roches Point	19·5	+22	NNE	5	bc	36	75	29	8	5	–	–	4-6	4-6	2500	1	*

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	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)	51	38	29	0·3	–	0·7
	Croydon ...	52	36	32	4	0·6	1·4
	S. Farnborough	51	35	30	3	0·1	2·4
	Boscombe Down	51	34	29	5	0·1	0·4
	Thorney Island	52	34	27	0·5	2	*
	Lympne ...	49	36	33	6	2	0·0
	Manston ...	50	38	34	0·4	0·3	1·0
2	Shoeburyness ...	51	36	34	2	3	0·5
	Felixstowe ...	48	35	33	0·1	Tr	0·1
	Gorleston ...	50		36	1		*
	Mildenhall ...	53	33	27	5	0·4	0·3
	Cranwell ...	50	34	32	0·3	3	0·5
3	Birmingham ...	48	35	31	0·4	1	0·1
	Upper Heyford	49	34	31	0·4	Tr	*
4	Ross-on-Wye	51	36	31	–	Tr	2·1
5	Hartland Point	49	38	37	1	2	0·1
	Bristol ..	51	35	27	1	Tr	0·4
	Portland Bill ...	50	38	*	–	–	*
	Plymouth	51	33	26	0·3	Tr	*
	The Lizard ...	50	38	*	1	–	2·4
	Scilly (St.Mary's)	51	40	*	0·1	2	1·0
	Guernsey ...						
6	Pembroke ...	52	35	*	0·3	Tr	1·7
7	Holyhead ...	49	36	33	0·3	6	*
	Chester(Sealand)	49	34	30	1	1	0·0
8	Manchester ...	47	33	30	2	0·2	*
10	Spurn Head ...	48	23	*	2	2	0·3
	Catterick ...	45	33	31	11	4	0·0
	Tynemouth ...	48	36	32	6	4	*
11	St. Abbs Head	44	34	*	9	2	
	Leuchars ...	39	28	25	2	0·1	2·8
12	Renfrew (Abbotsl.)	42	31	25	4	–	0·0
	Eskdalemuir ...	45	48	25	19	4	0·0
	Point of Ayre...	47	36	*	0·2	Tr	0·0
13A	Tiree	45	36	*	1	0·2	0·0
13B	Stornoway ...	38	29	*	5	4	0·6
15	Dalwhinnie ...	33	25	13	1	–	0·0
	Aberdeen ...	40	30	24	1	2	0·0
	Wick ...	38	31	31	0·5	0·3	*
16	Sumburgh ..	34	28	25	Tr	0·1	2·8
17	Blacksod Point	46	41		2	3	*
18	Malin Head ...	45	42	35	3	0·6	0·0
	Aldergrove ...	44	27	24	4	0·6	0·0
19	Birr Castle ...	47	31	29	0·3	0·5	2·7
20	Valentia Obsy.	47	36	33	3	0·1	*
	Roches Point	47	*	*	0·3	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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
	13h. G.M.T. 4th January			18h. G.M.T.			01h. G.M.T. 5th January			07h. G.M.T.		
109	94	26745	35685	9-	26645	34785	3-	01853	01683	3-	02854	30684
115	87	83834	71686	87	26834	69687	87	83844	32686	87	83844	65586
203	9-	83838	65788	9-	83838	04788				5-	83935	32615
206	86	01963	32324	8-	01963	02316	8-	01964	30104	8-	01964	28214
210	93	27847	35687	3-	85643	35685	26	01951	63583	86	02954	63585
220	20	01854	32514	80	26544	04484				20	01753	31203
230	57	02854	32666	87	01854	01424	50	01964	03414	50	00961	02201
245	27	02854	65568	37	01954	35525	8-	26953	32483	36	10942	32483
260	5-	61248	04378	5-	02744	04424	83	00851	32211	04	00990	30311
278	86	63746	02587	5-	22858	35568	24	00851	34501	20	00951	34401
279	52	64746	03568	50	01745	03665				04	00890	62501
285										20	26634	32574
288	02	64448	25268	62	64437	35768	2-	27657	35587	36	26654	32386
575	6-	61648	01388	57	02853	37466	03	01890	04413	57	01853	04314
301	53	02745	26366	52	52645	02358	5-	05658	35528	50	00762	02402
321	87	05655	20365	62	05636	64668	62	68747	32378	87	02754	30427
290	5-	62438	22268	5-	66638	32768	8-	22735	99865	80	01744	02614
292	5-	62657	21167	5-	22748	65468	57	02955	01468	2-	83548	28488
310										--	01643	32413
614	8-	05665	22416	02	63548	57358	3-	62727	35467	04	65464	15233
	13h. G.M.T. 4th January			18h. G.M.T.			01h. G.M.T. 5th January			07h. G.M.T.		
333	8-	02848	28328	86	02845	81448	8-	02858	32488	8-	27847	02117
334												
340				5-	61648	31228	5-	61658	02368	53	05661	32312
136	57	02746	20467	5-	61668	21468	5-	22845	36568	89	02844	03487
336										67	02735	04428
350				8-	02745	24225	5-	21648	63338	5-	26765	32366
368	8-	25636	25486	80	01754	28284	57	61746	32428	5-	02757	39667
379	24	01744	22464				5-	02748	04468	5-	02747	02327
390	2-	21555	22458	5-	05558	24328	5-	05548	30428	50	02748	32255
382							5-	02748	35428	5-	02867	32427
438	02	67509	22567							8-	02657	30427
430	86	01753	22468	8-	81655	22328	10	05652	00083	50	02757	02417
409	87	02745	25587	24	25952	27383	80	01954	00084	9-	91748	03397

IIH = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C_L C_M = Form of low and medium cloud See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

For the 24 hours ending morning of ..... 5th Jan:
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 ...	cw.cm.	cpr.cm.	cbcmwc	Kew 24 hours ended 7h. Max. Time 0·2 10h 4th
Croydon ...	cm	cz.mor.	cm.rbc	
Greenwich ...	r.c	cr.r	rr.cbc	
Camden Square	o	bc		
Kensington ...	cbc	c		
Hampstead ...	o	bc	bcx	Min. Time 0·1 0-5h 5th

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	51	38	29	0·3	-	0·7	*	*
Croydon ...	52	36	32	4	0·6	1·4	*	*
Greenwich ...	51	35	29	0·3	0·3	0·3	79	88
Westminster ...	52	36	34		0·2		93	91
Regents Park ...	51	35	31	-	-		79	90
Camden Square	51	35	30	-	-	*	*	88
Kensington ...	52	35	31	0·1	Tr		83	85
Hampstead ...	49	33	29	-	-		*	93

Page 1 BRITISH SECTION

SECRET

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

Tuesday 6th January 1942

No. 29265.

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

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)	15.8	+6	N'W	4	z	39	75	34	6	8	4	-	7-8	7-8	2500
	Croydon	15.4	+4	N'E	4	z	38	75	31	6	9	6	-	4-6	4-6	1800
	S. Farnborough	15.9	0	NNE	3	bc	39	65	30	8	1	5	-	2-3	2-3	2500
	Boscombe Down	17.0	+4	N'E	4	z	38	85	33	6	8	3	-	9	9	2000
	Thorney Island	15.0	+4	NNE	4	z	41	75	33	7	1	7	1	4-6	7-8	1500
	Lympne	14.8	+2	N'W	4	b	39	75	32	8	1	-	-	1	1	2500
	Manston	14.2	+8	N'W	4	b	40	75	33	7	2	-	-	Tr	Tr	2500
2	Shoeburyness	15.2	+2	N'W	3	bc	41	75	33	7	1	4	-	1	2-3	2200
	Felixstowe	14.7	+10	N'W	3	bc	41	65	32	7	7	4	6	2-3	4-6	4000
	Gorleston	14.0	-8	NNE	5	bc/pr	41	65	31	7	3	6	-	4-6	4-6	4000
	Mildenhall	15.8	+10	NW'N	3	bc	38	85	34	7	8	-	-	4-6	4-6	2000
	Cranwell	17.8	+12	NNW	4	c/ps	35	92	34	5	6	6	3	4-6	9+	400
3	Birmingham	18.6	+6	N	3	z	36	75	31	5	7	-	-	7-8	7-8	2500
	Upper Heyford	17.1	+2	N	3	z	37	85	32	5	9	-	-	4-6	4-6	2500
4	Ross-on-Wye	18.5	+6	N	4	z	37	65	29	6	1	-	-	Tr	Tr	3000
5	Hartland Point	17.4	+14	NNE	5	c	39	75	31	8	9	4	-	4-6	7-8	1500
	Bristol	18.1	+14	NNE	4	z	37	75	30	5	1	4	9	Tr	2-3	3000
	Portland Bill	15.6	+14	NE	4	c	40	85	35	8	2	-	-	7-8	7-8	2500
	Plymouth	17.1	+16	ENE	5	c	40	65	31	7	2	4	-	4-6	4-6	2500
	The Lizard	15.3	+16	NE	6	c	40	75	32	8	8	2	-	9	10	2000
	Scilly (St. Mary's)	06.4	+26	NE'E	5	c	43	75	37	8	9	7	-	7-8	9+	1500
	Guernsey															
6	Pembroke	20.3	+8	NE	6	bcq	40	65	31	8	2	6	-	2-3	4-6	2500
7	Holyhead	20.4	+12	N'E	4	bc	48	65	40	8	2	-	-	4-6	4-6	2500
	Chester (Sealand)	20.7	+8	N'W	3	b	36	65	26	5	-	4	-	0	1	-
8	Manchester	20.2	+14	N'E	4	z	37	75	21	5	2	6	-	2-3	2-3	3000
10	Spurn Head	16.4	+20	N	5	psh	37	85	33	7	3	6	3	4-6	9	4000
	Catterick	20.6	+12	NW	4	bc/ps	33	85	30	7	8	6	-	2-3	4-6	2700
	Tynemouth	20.5	+14	NNE	6	c/ps	35	97	34	7	2	-	-	7-8	7-8	2400
11	St. Abbs Head	19.6	+4	N	2	cq	36	85	26	8	8	4	-	4-6	10	2000
	Leuchars	22.5	+2	NNW	3	bc	36	65	24	9	2	3	-	Tr	2-3	2500
12	Renfrew (Abbots I.)	24.2	+6	N'W	3	b	36	65	21	9	1	-	-	Tr	Tr	1800
	Eskdalemuir	22.6	+6	N'W	4	b	31	65	29	8	1	3	-	Tr	Tr	2800
	Point of Ayre	23.0	+8	NE'N	5	b	37	75	29	8	1	-	-	1	1	4000
13A	Tiree	26.2	+4	N'E	4	bc	39	65	29	8	8	-	-	4.6	4.6	2500
13B	Stornoway	26.4	0	NW	3	c	34	92	32	8	8	7	-	4-6	9+	1500
15	Dalwhinnie	24.5	+8	N	3	bc	31	85	27	8	8	-	-	4-6	4-6	2500
	Aberdeen	21.5	+6	NNW	4	bc	35	92	32	7	8	-	-	2-3	2-3	2300
	Wick	22.9	+6	NNW	4	cjp	34	75	27	8	3	6	-	4-6	7-8	2000
16	Sumburgh	20.1	-2	N	3	bc	34	85	31	8	8	-	-	4-6	4-6	3500
17	Blacksod Point	28.3	+14	NNE	5	pHR	39	92	37	8	9	-	-	9	9	2500
18	Malin Head	26.1	+6	N	5	phr	38	85	34	7	3	-	-	7-8	7-8	1500
	Aldergrove	25.1	+10	NNW	2	b	36	85	26	8	2	-	-	1	1	4000
19	Birr Castle	25.7	+14	N	2	b	38	75	31	8	-	-	-	0	0	-
20	Valentia Obsy.	26.6	+14	NE	4	b	40	55	26	9	1	-	-	1	1	2500
	Roches Point	23.7	+14	NNE	5	b	38	65	28	9	5	-	-	1	1	4000

OBSERVATIONS at 18h. G.M.T. 5th January — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	°Temp. (21)	%Humid. (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 5th (39)	Weather 13h.–18h. 5th (40)	Weather 18h. 5th to 1h. 6th (41)	Weather 1h.–7h. 6th (42)
London (Kew)	18.2	+14	NE	3	z	36	75	30	6	5	-	-	7-8	7-8	2500	1	*	bczz	zprzm	cbcpr.s.	bmox
Croydon	17.3	+8	N	6	z	35	85	32	4	9	-	-	9	9	1800	1	*	emzbmz	bczcpr	mcm	cmcmo
S. Farnborough	18.4	+10	N'W	3	z	36	85	30	6	4	3	-	7-8	7-8	2000	1	*	cbc	bccmo	cbccmo	bmox
Boscombe Down	19.4	+18	N	3	z	34	75	29	6	-	-	-	0	0	-	1	*	cbc	cmobmo	bmo	bmo
Thorney Island	17.5	+20	NNE	3	z	37	75	30	6	4	-	-	2-3	2-3	1500	1	**	cmobcc	cbcbbc	bccbmo	bcmocmo
Lympne	16.6	+16	N	4	z	34	92	32	6	4	6	-	Tr	2-3	1700	1	§ 3	pzbcb	bcb	bccmox	cmoxcmo
Manston	15.6	+12	N	4	c	38	75	29	7	2	6	-	2-3	10	2000	1	*	c,bmzb	bcbo	bcbzob	bubcc
Shoeburyness	17.3	+14	NNW	4	b	34	85	30	6	-	4	-	0	1	-	1	*	cmzb	bbcmzbmz	bmoxcmo	bcmoxc
Felixstowe	16.7	+10	N'W	4	b	35	85	30	7	2	4	-	Tr	1	2500	1	2	cmzbc	pspssq	b,mox	bmoebx
Gorleston	16.8	+18	N	4	z	38	65	28	6	8	-	-	2-3	2-3	2500	1	5	bcpzq	bcqbc	bcph.	bcph
Mildenhall	18.0	+14	NW'N	4	c/ps	33	97	32	6	9	-	-	7-8	7-8	1600	1	*	bcpzs	bcpskq	cps.mo	cmobc,cmo
Cranwell	19.8	+6	NNW	4	z	33	92	31	6	5	-	-	4-6	4-6	400	1	*	cpszcm	cm	cbcmo	
Birmingham	20.8	+14	NNW	3	z	33	75	27	5	5	-	-	1	1	2500	1	*	cbcz	bcz	b	bmx
Upper Heyford	19.7	+18	N'W	3	z	33	85	30	5	4	-	-	4-6	4-6	1700	1	*	bcbcm	bcph	bm	bm
Ross-on-Wye	21.0	+20	N	3	z	33	75	27	5	5	-	-	Tr	Tr	3000	1	*	cbcbz	bzbcbz	bz	bx
Hartland Point	20.5	+24	NNE	5	bc	39	65	31	8	8	-	-	4-6	4-6	1500	1	4	irco	cbc	bc	bc
Bristol	20.6	+18	NE	4	m	35	75	29	4	5	2	-	7-8	10	3100	1	*	cbcz	bmmcm	bm,	bm.
Portland Bill	18.1	+16	NE	4	bc	36	92	33	8	4	-	-	4-6	4-6	2500	1	4	c	bbc	b.	bcc
Plymouth	19.9	+20	NE	4	z	37	75	29	6	-	-	-	0	0	-	1	2	c	c,bmz	bmox	cx
The Lizard	20.1	+20	NE'N	4	bc	37	75	32	8	8	-	-	4-6	4-6	2500	1	3	rcc	bc	bcx	bcx
Scilly (St. Mary's)	20.1	+22	NNE	6	c/pr	41	75	33	8	9	6	-	7-8	9	1000	1	5	cpc	cphr	cpbc	bcc
Guernsey																					
Pembroke	22.5	+2	NNE	4	bc	37	75	26	8	2	4	-	4-6	4-6	4000	1	1	bcq	bc	bcl	c
Holyhead	23.8	+16	NNE	4	bc	36	65	26	8	2	-	-	4-6	4-6	2500	1	6	bbc	b	bc	cbcc
Chester (Sealand)	22.9	+18	N	3	z	32	75	26	6	4	-	-	1	1	3000	1	*	bcbz	bzox	bmox	bmox
Manchester	22.0	+14	NNW	3	m	32	85	28	4	-	-	-	0	0	-	1	*	psbc	bczdm	bmmox	bmox
Spurn Head	18.2	+10	N'E	4	bc	37	85	33	7	8	6	-	4-6	4-6	2500	1	5	bcpq	bcq	bcqphs	bc
Catterick	22.1	+14	N'W	3	b	34	85	29	7	5	-	-	1	1	2000	4	*	bcps	ps bcb	cbc	bc,b
Tynemouth	21.0	+6	NNE	6	c/ps	36	85	32	6	2	-	-	7-8	7-8	2400	1	5	cps	cps	cpsbc	bc
St. Abbs Head	20.9	+2	N	6	cq	36	75	29	8	2	4	-	4-6	7-8	1500	0	4	cq	cq	cqbc	bc
Leuchars	23.7	+6	-	0	bc	32	65	21	9	4	-	-	2-3	2-3	4000	3	*	bbcbv	bxb	bx	bx
Renfrew (Abbots I.)	25.3	+10	-	0	z	31	75	25	6	5	3	-	4-6	7-8	2800	3	*	b	bbcm	cmobmob	bbcx
Eskdalemuir	24.2	+8	NNW	3	b	27	65	23	8	-	-	-	0	0	-	8	*	b	b	b	bbx
Point of Ayre	24.9	+10	NNE	4	b	37	65	25	8	2	-	-	1	1	3000	0	4	b	b	b	b
Tiree	26.2	0	N	3	bc	39	85	34	8	8	-	-	2-3	2-3	2500	0	4	bcps.	bc	dc	c
Stornoway	26.6	+2	WNW	2	c	33	92	31	7	8	7	-	4-6	9+	2000	8	1	cps	cps	c	bc
Dalwhinnie	25.9	+2	N	2	c	29	85	27	8	5	-	-	9+	9+	2500	4	*	bc	c	*	c
Aberdeen	22.7	+4	NW	3	ps	31	92	29	6	8	-	-	4-6	4-6	2300	8	2	bcps.	bcmzps	bcbmo	bmobcz.
Wick	23.9	+10	NNW	3	bc	34	75	26	7	4	-	-	2-3	2-3	2500	4	*	bcpsbc	cpsbc	bxbcc	pr.er.r.
Sumburgh	20.0	-6	NNW	4	c/ps	38	65	28	8	8	3	-	7-8	9	3500	4	3	bcpsbc	bc,ps.c	pshr.r.	b,cxc
Blacksod Point	29.3	+6	N	2	bc	39	92	37	8	9	-	-	4-6	4-6	1500	1	4	pr	bc	cpr	pr
Malin Head	26.8	+6	N	4	c	41	65	31	8	9	-	-	7-8	7-8	4000	0	5	pr	c	cprc	c
Aldergrove	26.3	+6	NNW	2	c	33	75	27	8	5	-	-	7-8	7-8	3000	3	*	bcb	bbcc	c	ccir.moc
Birr Castle	26.9	+6	N	1	bc	33	85	30	8	-	4	-	0	2-3	-	1	*	b	bc	*	pr
Valentia Obsy.	28.6	+16	NE'N	4	b	38	65	28	9	8	-	-	1	1	2500	1	4	b	bc	bcc	pr
Roches Point	26.2	+18	NNE	5	b	36	75	28	8	5	-	-	1	1	4000	1		b	b	bbc	bc

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light to moderate N.W. winds; fair; bright periods in most areas; rather cold; local frost at night.
5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England	Light to moderate N.W. wind; local coastal showers of rain or hail and of sleet or snow in the hills; considerable fair periods; rather cold.
9 N. Midlands; 10 N.E. England; 11 S.E. Scotland	Winds westerly moderate, veering N.W; mainly fair; rather cold.
12 S.W. Scotland & Isle of Man; 13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	West to northwest winds, moderate to fresh locally; mainly cloudy; some light rain or drizzle with slight sleet or snow occasionally on hills; rather cold.
16 Orkneys and Shetlands	As 12 – 15.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Light to moderate winds between north and west; rather variable cloud; a few showers perhaps with hail locally and chiefly in the North. Visibility good.

GENERAL INFERENCE

A large anticyclone covers the N.E. Atlantic with a ridge extending over Southern Britain. A very feeble trough of lower pressure is moving southeast over Scotland, and a depression northeast of Iceland will move southeast. There will be some light rain or drizzle in parts of Scotland with some sleet or snow in the hills but elsewhere apart from a few coastal showers, weather will be fair and rather less cold.

FURTHER OUTLOOK

Continuing rather cold with some precipitation occasionally in Scotland.

Forecasts issued at 10.30h. G.M.T.

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

7h. Tuesday 6th. January, 1942.

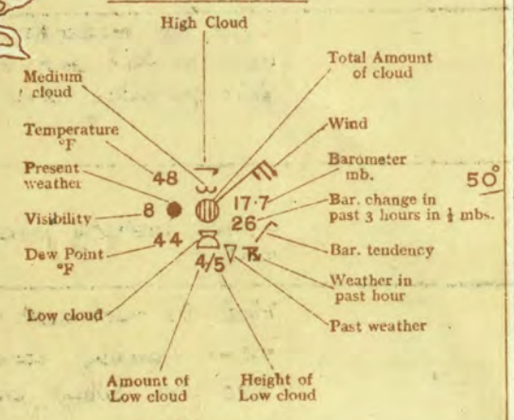
LOW

HIGH

1022 1024 1026 1028 1030 1032

60° 55° 50° 10° 5°W. 0° 5°E 10° 60° 55° 50°

STATION MODEL



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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 6th January 1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. (T) Thunderstorm. T 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 6th January 1942

No. 29265

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

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	*	*	*	*	*	34	*	*	*	*	*	*	*	*	*
	Croydon	217	21.2	+18	N	4	m	33	92	30	4	5	-	-	9+	9+	1800
	S. Farnborough	226	22.0	+10	N	3	Z.	33	85	29	6	5	-	-	10	10	1200
	Boscombe Down	417	23.1	+14	NNW	3	Z.	29	92	27	5	-	-	-	0	0	-
	Thorney Island	10	20.9	+6	NNE	4	Z.	33	85	30	6	5	-	-	4-6	4-6	1500
	Lympne	346	19.4	+10	NNE	5	Z.	35	75	26	6	5	-	-	7-8	7-8	1200
	Manston	154	19.0	+10	NNW	4	bc	34	92	32	7	5	-	-	2-3	2-3	800
2	Shoeburyness	11	19.8	+14	N'E	4	bc	33	85	31	6	5	-	-	4-6	4-6	2500
	Felixstowe	15	19.6	+10	NW'N	4	Z.	33	92	32	6	-	-	-	0	0	-
	Gorleston	5	19.8	+8	N	5	c/pr	37	65	27	7	2	-	-	4-6	4-6	4000
	Mildenhall	19	21.1	+12	NW'N	4	prs	32	97	32	6	8	-	-	4-6	9	1000
	Cranwell	240	22.7	+10	NW'N	4	Z.	31	85	28	6	5	-	-	Tr	Tr	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22.9	+14	NNW	3	m	29	92	27	4	5	-	-	Tr	Tr	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	24.5	+14	NE	5	bc	37	65	32	8	1	-	-	2-3	2-3	2500
	Bristol	209	24.4	+14	ENE	3	m	30	85	26	4	-	-	-	0	0	-
	Portland Bill	32	21.7	+10	NE	4	b	33	85	32	8	-	-	-	0	0	-
	Plymouth	82	24.2	+14	-	0	Z.	33	75	27	6	-	-	-	0	0	-
	The Lizard	240	23.9	+12	NNE	4	bc	33	85	32	8	8	-	-	2-3	2-3	2000
	Scilly (St. Mary's)	163	24.7	+18	NE'N	5	bc	41	65	32	8	8	6	-	4-6	4-6	1500
	Guernsey	175															
6	Pembroke	142	26.3	+4	NE	3	bc	37	85	32	8	8	-	-	4-6	4-6	4000
7	Holyhead	26	25.9	+2	N'E	3	Z.	36	75	32	8	8	-	-	7-8	7-8	3000
	Chester (Sealand)	16	25.5	+8	NNW	3	Z.	31	85	28	6	-	-	-	0	0	-
8	Manchester	235	25.1	+10	-	0	Z.	27	85	23	6	-	-	-	0	0	-
10	Spurn Head	29	21.1	+20	NW	4	psh	34	92	32	7	8	-	-	4-6	4-6	2500
	Catterick	175	24.1	+4	NW	3	b	31	75	25	7	5	3	-	Tr	1	3500
	Tynemouth	108	23.6	+14	NW	5	bc/ps	33	92	30	7	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	23.8	+14	NNW	5	bc	36	85	30	8	4	4	-	2-3	4-6	1500
	Leuchars	36	25.9	+6	NW	3	b	32	85	27	9	-	4	-	0	Tr	-
12	Renfrew (Abbots I.)	19	27.0	+6	WNW	1	b	30	92	28	8	-	-	-	0	0	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	26.4	+6	N'E	4	b	39	75	31	8	2	-	-	Tr	Tr	3000
13A	Tiree	22	26.8	+2	-	0	c	37	92	36	8	5	-	-	9	9	2800
13B	Stornoway	80	27.0	0	SW	4	c	36	92	33	7	8	7	-	7-8	9+	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	31	*	*	*	*	*	*	*	*	*
	Wick	119	23.2	-6	WNW	4	c	35	85	29	8	5	-	-	9	9	2500
16	Sumburgh	30	20.9	+6	NW	2	bc	36	85	32	8	8	-	-	4-6	4-6	1800
17	Blacksod Point	18	30.7	+2	NW	4	pr	43	92	41	8	6	-	-	9	9	1500
18	Malin Head	84	27.3	-4	-	0	c/pr	40	85	36	7	8	-	-	9	9	1500
	Aldergrove	268	28.5	-6	WNW	2	c	35	97	33	8	5	3	-	4-6	9+	3500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	31.6	+6	NE	2	c	35	85	32	9	5	-	-	9	9	2500
	Roches Point	22	29.8	+8	N'E	4	bc	35	85	32	8	5	-	-	4-6	4-6	4000

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 5th Hrs. (38)
London (Kew)	23.7	+18	NNW	3	Z.	31	85	26	6	5	-	-	4-6	4-6	2500	3	*	39	31	24	Tr	Tr	3.2
Croydon	23.2	+10	NNW	4	Z.	32	92	29	5	5	-	-	9+	9+	1800	1	*	38	31	31	Tr	-	2.6
S. Farnborough	24.4	+12	NW	2	Z.	29	97	26	6	-	-	-	0	0	*	3	*	40	20	24	-	-	35
Boscombe Down	25.2	+10	N'W	2	Z.	28	85	25	6	5	-	-	1	1	3000	3	*	38	27	22	Tr	-	3.2
Thorney Island	23.5	+22	NNE	3	Z.	31	85	28	6	-	-	-	0	0	-	0	*	41	30	27	-	-	*
Lympne	21.8	+14	NNW	5	Z.	32	85	29	6	5	-	-	10	10	700	1	§ 3	39	31	29	Tr	-	5.6
Manston	21.4	+14	NNW	4	c	34	92	32	8	2	-	-	9+	9+	1100	1	*	41	33	30	-	-	4.8
Shoeburyness	22.2	+12	NNW	3	c	33	92	30	7	5	-	2	9+	9+	900	3	*	42	32	28	-	-	5.3
Felixstowe	21.6	+10	NW'N	4	b	32	92	30	7	-	-	-	0	0	-	3	3	42	31	29	0.1	-	1.8
Gorleston	21.0	+16	N	3	bc/ph	37	85	33	7	8	-	-	4-6	4-6	2500	8	3	42		32	Tr		*
Mildenhall	22.9	+8	NW	3	Z.	30	97	30	6	5	-	-	4-6	9	800	7	*	39	29	26	1	1	0.9
Cranwell	24.3	+6	NNW	4	Z.	29	97	28	6	-	-	-	0	0	-	3	*	37	29	26	0.2	-	2.1
Birmingham	26.4	+10	NNW	3	m	28	85	25	4	-	-	-	0	0	-	1	*	37	27	33	-	-	4.1
Upper Heyford	25.0	+12	NNW	3	m	27	92	25	4	-	-	-	0	0	-	3	*	39	27	25	Tr	-	*
Ross-on-Wye	26.6	+6	NW	2	b	29	75	26	8	5	-	-	Tr	Tr	3500	3	*	37	28	20	-	-	3.0
Hartland Point	26.4	+8	NNE	5	bc	38	65	32	8	1	-	-	4-6	4-6	2500	1	4	40	37	33	0.1	-	6.8
Bristol	26.7	+10	NNW	2	Z.	27	85	24	6	-	-	-	0	0	-	3	*	37	26	18	-	-	1.0
Portland Bill	23.7	+4	NE	4	c	32	92	30	7	3	-	-	9	9	2500	1	4	46	31	*	-	-	*
Plymouth	26.8	+16	ENE	2	b	31	85	27	7	-	-	-	0	0	-	3	3	42	31	27	-	-	4.4
The Lizard	27.2	+20	NNE	4	bc	35	75	32	8	8	6	-	4-6	4-6	2500	0	3	42	32	*	1	-	0.7
Scilly (St. Mary's)	26.9	+10	NE'N	5	c	42	65	33	8	8	6	-	7-8	9+	1500	1		44	40	*	1		0.5
Guernsey																							
Pembroke	27.9	+4	NE	2	e	38	75	26	8	8	-	-	9+	9+	4000	1	2	39	32	*	-	-	6.5
Holyhead	27.0	+6	NNE	3	c	35	75	28	8	5	6	-	4-6	9	3000	1	3	39	33	25	-	-	*
Chester (Sealand)	27.1	+8	NW	2	Z.	27	85	23	6	-	-	-	0	0	-	0	*	36	26	15	-	-	2.7
Manchester	26.6	+4	-	0	Z.	25	85	21	5	-	-	-	0	0	*	3	*	37	24	17	0.2	-	*
Spurn Head	22.4	+2	NW	5	b	33	85	30	9	-	4	-	0	Tr	-	1	5	40	32	*	1	3	2.7
Catterick	25.9	+6	WNW	3	b	30	85	28	7	-	-	-	0	0	-	4	*	34	30	24	0.6	-	2.5
Tynemouth	24.3	+4	NW	4	bc	30	85	27	7	2	-	-	4-6	4-6	2500	8	5	38	29	26	7	1	*
St. Abbs Head	23.6	-8	WNW	4	bc	34	75	27	8	5	4	-	4-6	4-6	2500	0	4	36	33	*	-	-	
Leuchars	25.2	-6	WNW	4	b	32	75	26	9	-	-	5	0	1	*	3	*	37	29	23	-	-	4.1
Renfrew (Abbots I.)	26.8	-2	WSW	2	bc	27	97	26	7	5	-	5	Tr	4-6	3000	3	*	37	25	16	-	-	5.9
Eskdalemuir	27.5	+2	-	0	b	19	75	11	8	-	-	-	0	0	-	8	*	31	19	12	-	-	6.2
Point of Ayre	27.1	+2	N	1	b	35	75	29	8	4	4	-	Tr	1	3000	0	2	38	36	*	-	-	6.1
Tiree	26.7	0	NNW	2	c	42	85	35	8	5	-	-	9	9	2800	0	3	40	36	*	Tr	0.2	0.0
Stornoway	25.6	-10	SW	3	c	37	92	34	7	5	7	-	7-8	9+	2000	6	2	35	32	*	Tr	-	2.0
Dalwhinnie	26.0	0	N	1	bc	25	85	21	8	8	-	-	4-6	4-6	2500	4	*	31	14	10	-	-	0.3
Aberdeen	23.5	0	NW	3	bc	35	75	26	6	5	-	-	4-6	4-6	2600	7	2	35	29	24	2	-	2.9
Wick	23.2	-2	WSW	3	r.r.	37	92	35	8	8	2	-	4-6	9+	1800	1	*	36	25	24	0.1	4	*
Sumburgh	21.0	-4	-	0	c	37	65	28	8	8	-	-	10	10	1500	5	3	38	35	29	Tr	1	2.8
Blacksod Point	30.7	+2	NW'N	4	pr	45	85	41	7	9	-	-	9+	9+	1500	1	4	42	36	*	3	1	*
Malin Head	27.4	0	W	1	c	43	85	39	8	2	7	-	4-6	7-8	4000	0	4	42	43	36	0.2	0.6	0.0
Aldergrove	29.6	0	W	1	c	36	97	35	6	5	-	-	9+	9+	600	3	*	37	32	30	-	Tr	5.9
Birr Castle	29.8	-2	N	1	c/pr	36	92	34	8	8	-	-	7-8	7-8	1500	1		38	31	29	-	0.4	5.5
Valentia Obsy.	32.5	+2	NNE	2	c/pr	41	85	37	9	8	-	-	9+	9+	2500	1	*	41	34	28	-	0.2	*
Roches Point	30.9	+2	N	3	c	39	85	35	8	5	-	-	9	9	2500	1	*	39	*	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 5th January $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 6th January $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
109	3-	84535	29585	3-	26853	28383	5-	62638	28568	52	61738	26468
115	52	83834	32487	52	10844	32386	54	02844	28425	52	02844	28427
203	8-	02837	32527	8-	83835	32585	5-	02948	24328			
206	8-	01964	28224	8-	02867	28287	5-	01863	22113	57	02855	26227
210	86	02947	28487	8-	83747	28487	5-	01964	20814	53	02964	20417
220	80	26854	31384							52	81644	00038
230	8-	01954	3264	50	01954	31414	8-	02967	00027	8-	02967	00027
245	36	01954	30384	50	00952	31202	06	00990	29201	54	02961	26315
260	14	00961	30201	40	02861	28301	00	05690	0-000	04	05590	28100
278	10	00952	64402	14	00951	32402	53	00851	24113	53	05574	18117
279	10	00852	30412	50	00752	32302	00	05690	28300	00	05590	32100
285	20	01854	32514	20	01743	32414						
288	36	26593	30483	80	8-455	29486	06	05690	28383	03	05590	24111
575	80	00852	04102	5-	02857	32187	8-	26858	32188	8-	02868	00028
301	10	00761	02501	10	17551	01401	00	00890	01200	00	08490	32100
321	80	02754	31584	9-	83648	31588	06	00790	29482	00	00690	25300
299	8-	83744	32684				80	01744	02614			
292	90	26653	28483	30	83654	28484	40	00861	28481	04	00890	27202
310	--	01635	04415							--	01642	32312
614	53	26663	32385				04	05690	30324	00	08490	28200

III	13h. G.M.T. 5th January $C_L C_M$	wwVhN_h	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN	01h. G.M.T. 6th January $C_L C_M$	wwVhN_h	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN_h	DDFWN
333	8-	01855	02415	2-	01853	02513	5-	02866	02316	53	01862	02214
334	--	02754	32315	--	01763	04304				--	00790	00002
340	03	05690	30303				00	05590	32300	00	05690	32300
136	96	10844	32484	80	02855	30385	86	27745	32385	8-	83644	28484
336	24	01753	04314	50	01752	32412				54	01753	32313
350	26	05645	30415							50	05662	28312
368	14	00852	04513	00	05690	03200	00	00790	01300	00	00890	32200
379	50	05644	04314	50	05643	32413	50	05554	02414	50	05651	32411
390	5-	02745	32416	50	00742	32482	5-	26638	30388	50	05634	30314
382	57	05642	32313				00	08490	30500	50	05651	30401
438	46	01763	02404							46	01753	04413
430	23	05652	02403	40	05644	32414	5-	05647	32417	50	05663	32413
409	54	02854	03584	2-	02755	04315	1-	02855	04315	10	01854	03414

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww. W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
$C_L C_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 6th January. 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	bcs$_0$s$_0$c	zps$_0$cm$_0$	cbcps$_0$	Kew 24 hours ended 7h.
Croydon	em$_0$bm$_0$	bczcpm	cm	Max. Time 0.2 17h. 5th
Greenwich	cbc	bcs$_0$s$_0$ bc	cm$_0$	Min. Time <0.1 23h. 6th
Camden Square	bc	bc		
Kensington	cbc	bc		
Hampstead	bcsx	bcsx		

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	39	31	24	Tr	Tr	3.2	*	*
Croydon	38	31	31	Tr	-	2.6	*	*
Greenwich	39	31	28	Tr	-	2.2	74	84
Westminster	41	32	29	-			83	91
Regents Park	39	31	26	-	Tr		76	89
Camden Square	30	31	27	Tr	*	*	*	89
Kensington	*	31	26	-	-		88	94
Hampstead	38	28	23	Tr	Tr		*	91

SECRET

Page 1

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

Wednesday 7th January 1942 — No. 29267

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

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)	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)	25·8	+2	NW'W	2	z₀	37	75	29	6	–	–	–	0	0	–
	Croydon ...	25·8	0	WNW	2	bf	36	75	28	3	–	–	–	0	0	–
	S. Farnborough	26·1	0	N	3	z₀	36	65	26	6	–	–	–	0	0	–
	Boscombe Down	27·0	–4	NW'N	3	z₀	34	75	27	6	–	–	–	0	0	–
	Thorney Island	25·7	+6	NNW	2	z₀	37	75	31	6	–	–	–	0	0	–
	Lympne ...	23·8	+4	N	3	z₀	36	85	32	6	–	2	–	0	Tr	–
	Manston ...	23·6	+2	WNW	3	z₀	37	85	32	6	1	6	–	Tr	1	900
2	Shoeburyness ...	24·2	0	NW	3	z₀	38	75	31	6	–	–	1	0	Tr	–
	Felixstowe ...	23·4	–4	NW'N	4	z₀	38	75	31	6	5	–	–	1	1	4000
	Gorleston ...	22·6	+12	NW'W	4	z₀	37	75	32	6	5	–	–	4–6	9+	2800
	Mildenhall ...	24·5	–2	WNW	3	z₀	33	75	27	6	–	–	2	0	1	–
	Cranwell ...	25·0	–2	NW	3	z₀	37	55	27	5	–	3	4	0	9	–
3	Birmingham ...	26·6	0	NW	3	z₀	35	65	25	5	–	–	8	0	9	–
	Upper Heyford	26·2	–2	NW	3	z₀	34	85	30	5	–	–	–	0	Tr	–
4	Ross-on-Wye	27·3	–4	NNW	2	bc	37	65	25	8	–	–	6	0	4–6	–
5	Hartland Point	28·3	+4	NNW	3	bc	40	65	28	9	5	4	2	2–3	4–6	5700
	Bristol ...	27·8	–2	N	2	z₀	37	65	25	6	–	–	1	0	Tr	–
	Portland Bill ...	26·7	+6	NE	4	bc	37	85	34	8	2	–	–	4–6	4–6	4000
	Plymouth ...	28·5	+2	N	4	bc	40	55	25	8	–	–	4	0	2–3	–
	The Lizard ...	29·4	+8	NNE	3	bc	41	85	37	8	8	–	–	2–3	2–3	2500
	Scilly (St. Mary's)	29·9	+6	N'E	4	c	43	75	37	8	8	6	3	4–6	9	1500
	Guernsey ...															
6	Pembroke ...	29·1	–4	N	3	pr	42	92	34	8	8	–	–	9	9	2700
7	Holyhead ...	27·6	–6	–	0	c	42	75	35	8	8	–	–	9+	9+	3600
	Chester (Sealand)	27·2	–4	NW'N	3	c	39	55	25	7	5	–	7	Tr	9	4000
8	Manchester ...	27·2	–6	–	0	m	33	75	28	4	–	7	7	0	10	–
10	Spurn Head ...	23·6	0	NW	5	c	35	75	27	7	5	7	–	7–8	9+	1500
	Catterick ...	25·9	0	W'N	3	c	35	65	24	8	5	9	2	Tr	7–8	4000
	Tynemouth ...	25·3	+2	NNW	4	c	33	97	33	6	2	3	–	4–6	9	2100
11	St. Abbs Head	24·3	0	NW	4	c	37	75	29	9	5	4	–	4–6	7–8	2500
	Leuchars ...	24·7	–10	W	5	c	37	65	28	9	5	3	–	4–6	7–8	4500
12	Renfrew (Abbotsl.)	26·2	–10	WSW	2	of	36	75	29	3	5	–	–	10	10	3000
	Eskdalemuir ...	27·1	–2	–	0	c	25	75	18	8	5	7	6	2–3	7–8	3500
	Point of Ayre ...	27·3	–4	NW'W	3	c/p	40	75	34	8	8	2	–	7–8	9+	1500
13A	Tiree	26·8	–2	NNW	3	pr	45	92	42	8	8	–	–	7–8	7–8	1800
13B	Stornoway ...	24·5	–6	NNW	4	c	43	85	39	8	5	7	2	7–8	9+	2000
15	Dalwhinnie ...	26·1	–6	N	1	0	33	85	29	8	5	–	–	10	10	2500
	Aberdeen ...	23·3	–12	NW'W	3	c	37	85	33	6	8	4	–	9	9+	2800
	Wick ...	21·4	–18	W	2	c	37	92	35	8	5	7	–	7–8	10	2500
16	Sumburgh ...	19·7	–14	–	0	do.	38	85	35	7	5	–	–	10	10	1200
17	Blacksod Point	31·5	–2	NNW	4	c	47	85	43	8	4	6	–	4–6	7–8	2500
18	Malin Head ...	27·9	+2	NNW	3	c/pr	45	75	38	8	9	–	4	4–6	7–8	4000
	Aldergrove ...	28·9	–2	SW	1	pr	39	97	38	6	8	7	2	4–6	9+	3500
19	Birr Castle ...	30·1	–2	NW	2	c	43	92	41	8	5	1	–	7–8	10	2500
20	Valentia Obsy.	32·6	–2	N'E	4	pr	47	85	43	8	2	–	–	7–8	7–8	1500
	Roches Point	31·2	–6	NW'N	4	bc	45	85	41	8	3	–	5	2–3	4–6	1500

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

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)	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	25·8	+2	NW	2	z₀	34	75	26	6	–	–	–	0	0	–	3	*
	26·0	+6	WNW	2	bf+	32	85	27	3	–	–	–	0	0	–	1	*
	26·4	+2	W'N	3	z₀	32	85	27	6	–	4	–	0	Tr	–	3	*
	27·2	+2	NW	2	z₀	31	75	26	5	–	4	–	0	4–6	–	3	*
	26·5	+6	NNW	2	z₀	34	75	29	6	–	4	1	0	1	–	1	*
	24·3	+6	NNW	4	m	33	75	27	4	–	2	–	0	Tr	–	1	*
	23·8	+2	NW'N	4	m	36	75	29	4	–	–	–	0	0	–	1	*
2	24·4	+4	NW	3	b	33	85	28	6	–	–	–	0	0	–	1	*
	23·7	+6	NW'N	4	z₀	35	75	28	5	5	–	–	2–3	2–3	5700	1	3
	23·6	+12	N'E	4	bc	37	85	32	7	8	–	–	4–6	4–6	2000	1	4
	25·3	+6	NW	3	z₀	30	92	28	5	5	–	–	1	1	4000	7	*
	26·1	+10	NW'N	3	m	33	75	26	4	–	–	3	0	4–6	–	3	*
3	26·7	+2	NW	3	z₀	34	75	28	5	–	7	8	0	9	–	1	*
	26·2	+2	NW'W	2	m	30	92	27	4	–	4	–	0	2–3	–	3	*
4	27·2	0	W	1	c	34	75	27	7	5	1	2	2–3	9	3500	1	*
5	28·0	0	N	3	c	42	75	32	8	5	2	–	4–6	9+	1500	1	3
	27·6	+4	WSW	1	m	32	75	27	4	–	7	5	0	4–6	–	3	*
	27·2	+4	NNW	3	bc	37	85	34	7	5	–	–	4–6	4–6	4000	1	4
	29·0	+8	NW'N	1	m	38	75	30	4	–	7	8	0	9+	–	0	2
	29·1	0	–	0	c	39	85	34	6	8	2	–	9	10	1500	0	3
	29·5	+2	N'E	5	c/pr	44	85	38	6	8	6	–	7–8	9+	1200	1	4
6	28·1	0	NNW	4	r	43	85	38	8	8	–	–	9	9	2500	1	2
7	27·1	–2	NNW	4	c	44	85	39	8	4	–	–	4–6	7–8	1000	1	3
	26·6	0	NNW	1	rr	38	85	34	5	5	2	–	7–8	10	1100	1	*
8	26·7	+4	–	0	m	32	92	30	4	–	7	–	0	10	–	3	*
10	24·6	+2	NW'W	4	c	35	75	27	6	5	7	–	7–8	9+	1500	1	3
	26·1	+4	WNW	2	z₀	31	85	27	6	5	–	–	Tr	1	4000	4	*
	25·5	+4	WNW	4	bc	32	85	29	6	5	–	–	2–3	2–3	2500	8	4
11	24·1	–2	WNW	4	ir₀	39	75	34	7	5	2	–	9	10	2500	1	4
	24·4	–2	W	3	b	35	75	29	9	5	–	–	Tr	Tr	2500	3	*
12	27·0	+8	WNW	1	z₀	34	92	32	6	5	–	–	Tr	Tr	2500	3	*
	26·8	0	–	0	bc	27	85	23	7	5	–	–	4–6	4–6	2700	2	*
	27·1	+2	N	3	c	43	85	38	8	5	–	–	9+	9+	6000	0	3
13A	27·6	+4	N	3	bc	45	92	42	8	8	–	–	4–6	4–6	2500	0	4
13B	25·4	+4	WNW	3	c	43	85	40	8	5	7	–	4–6	9	2500	1	2
15	25·0	+2	NW	2	p.s₀	36	85	33	7	8	–	–	7–8	7–8	1500	4	*
	22·9	–4	NW'W	3	b	38	92	35	5	5	4	–	Tr	1	2800	6	2
	22·2	+8	WNW	2	pr	39	92	36	7	8	–	–	9+	9+	1600	2	*
16	19·1	–2	W	1	c	41	85	33	8	5	–	–	7–8	7–8	2500	1	2
17	32·3	+6	NNW	4	bc/pr	46	85	42	8	3	–	–	4–6	4–6	2500	1	4
18	29·1	+12	N	4	pr	46	65	35	8	6	–	–	4–6	4–6	1500	1	4
	29·5	+6	NW'N	2	pr	40	97	39	6	8	7	3	7–8	9+	3000	1	*
19	30·6	–6	NW	1	c	43	92	41	8	8	–	–	9	9	1500	1	
20	33·4	+10	N'W	4	pr	45	85	41	8	8	–	–	7–8	7–8	2500	1	4
	31·4	+6	NW'W	3	c	45	85	41	8	5	–	–	7–8	7–8	1500	1	8

PAST 24 HOURS.

Weather. 7h.—13h. ....6th... (39)	Weather. 13h.—18h. ....6th... (40)	Weather. 18h. 6th. to 1h. 7th. (41)	Weather. 1h.–7h. ..7th.... (42)
cm₀bz₀x	bz₀x	bm₀x	bm₀x
cm₀bf	bzbf	bfxef	cfbmx
bcbm₀x	bcm₀b	bm₀bmx	
xbm₀	bm₀bcm	bm₀	bm₀bcm
bz₀	bm₀	bm₀bm	bm₀bmx
cbcbm₀	bm₀z₀	bzbfx	bfx
pr₀s₀bcb	bcm₀bm	bzm₀m	bcm₀mx
cbxcbm₀	bz₀m₀	bm₀x	mxcm₀
cm₀bm₀	cm₀bm₀	bm₀x	bm₀mx
bcc	cpr₀bc	bcz₀	bcz₀x
cbcbm₀	bbcbm₀	cm	bcbbcm
bm₀,cz₀	bbcz₀	bcz₀bm	bcz₀bm
bc	cz	bc	bfx
bmynbm₀	bmbcm	bcbmbf	bfbm
bcc	bcc	cprs₀c	bcoz
bc	cir	cir	cbc
bmof,bcz	b,cbcz	c,bm₀	bbcm₀
bc	bc	c	bcbcs
bm	cycm	cm₀bcm₀	bm₀cm₀x
bcy	rc	c	cpc
c	cmp	cphrq	cbc
cmpr	cr	cbc	bc
c	cpsru	bccbc	bcc
pxbcmc	cm₀r₀	rrb,ffx	FFx
bcmxcz	cbccz	czbfx	bfxof
c	c	c	b
bccbw	b₀cbm₀	bbcm₀r	cbm₀bx
bcc	cbc	bcc	cbc
bcc	cir₀	bcbcc	cbc
c	bxc	bc	bcc
bcmcf	cfm₀bm	bm₀bcm	cbcm₀x
bzbc	bccbc	bbc	bcx
bbcc	pr₀c	cbc	bbcb
bccpr	bcpr	bcpr	bcpr
c	c	c	cpr
co	op₀s₀c		cidoc
bccz₀	cir₀bz₀	bz₀	bbcz₀
cir₀c	frcpr	prbcc	cpr₀
cidod₀d₀	d₀cbc	bcpr₀c	cprbcb
c	pr	bc	
c	bc	pr	bc
jf cpr₀m₀	cirpr	bccpr₀	cbcir₀bc
bc	pr		c
pr	pr	pr	pr
bc	bc	bc	bc

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

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

Light N.W. wind; fair; local fog; temperature rising somewhat but slight frost at night.

Light or moderate N. to N.W. wind, variable cloud, local showers; local mist or fog; somewhat milder, ground frost locally at night.

Light or moderate N.W. wind, backing and freshening somewhat; cloudy, some showers, brighter intervals; average temperature.

16 Orkneys and Shetlands	As 13A – 15.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 4 – 12.

GENERAL INFERENCE

An anticyclone remains centred off west Ireland and a depression north of Iceland will move E. and then S.E. Weather will be fair except for local showers in the west and North, with a somewhat higher temperature.

FURTHER OUTLOOK

Some increase of cloud probable with slight showers. A risk of renewed cold northerly winds before long.

Forecasts issued at 10.30h. G.M.T.

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

7h. WEDNESDAY, 7th JANUARY, 1942

10° 5°W. 0° 5°E 10°

60° 55° 50°

1026 1024 1022 1020 1028 1030 1032 1034

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
Total Amount of cloud
Wind
Barometer mb.
Bar. change in past 3 hours in ¼ mbs.
Bar. tendency
Weather in past hour
Past weather

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 7th January

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Wednesday 7th January 1942 — No. 20267

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

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	*	*	*	*	*	31	*	*	*	*	*	*	*	*	*
	Croydon ...	217	26·8	+2	W	2	cf-	30	85	26	3	-	3	-	0	9+	-
	S. Farnborough	226	27·1	+10	W	1	m	25	97	24	4	-	-	-	0	0	-
	Boscombe Down	417	28·3	+4	N'W	1	zo	27	85	24	6	-	-	-	0	0	-
	Thorney Island	10	27·2	+4	NW	2	m	29	85	26	4	-	-	-	0	0	-
	Lympne ...	346	25·6	+6	NW	3	bf	29	85	23	3	-	-	-	0	0	-
	Manston ...	154	25·5	+6	NNW	3	zo	35	92	33	5	5	-	-	Tr	Tr	7200
2	Shoeburyness ...	11	26·0	+10	NNW	3	b	30	85	27	6	-	-	-	0	0	-
	Felixstowe ...	15	25·9	+8	NNW	2	zo	32	92	30	5	-	-	-	0	0	-
	Gorleston ...	5	25·4	+6	NW'N	3	zo	35	85	31	6	8	3	-	4·6	4·6	2500
	Mildenhall ...	19	26·8	+6	NW'W	2	m	31	85	28	4	5	-	-	10	10	4300
	Cranwell ...	240	27·0	-2	W'N	3	m	29	92	27	4	-	4	-	0	Tr	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	27·5	+6	NW'N	2	bf+	27	97	27	3	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	28·4	0	NNE	3	c	43	85	38	8	5	-	-	9	9	2500
	Bristol ...	209	28·7	+2	WNW	2	zo	30	85	27	5	-	4	-	0	Tr	-
	Portland Bill ...	32	27·5	-2	NNW	3	c	36	85	33	8	2	-	-	7·8	7·8	4000
	Plymouth ...	82	29·0	+2	-	0	zo	34	85	32	6	5	-	-	4·6	4·6	4000
	The Lizard ...	240	29·9	0	N'E	5	c	47	75	36	8	8	3	-	4·6	9	1500
	Scilly (St.Mary's)	163	29·9	0	N'E	5	c	47	75	40	8	8	3	-	4·6	9	1200
	Guernsey ...	175															
6	Pembroke ...	142	29·5	+2	N'W	4	bc	44	92	42	8	2	4	-	4·6	4·6	2500
7	Holyhead ...	26	28·5	+2	NNW	5	bc	44	85	40	8	8	6	-	2·3	2·3	2000
	Chester(Sealand)	16	28·1	0	-	0	bf+	31	92	30	2	5	-	-	Tr	Tr	1800
8	Manchester ...	235	28·6	+2	-	0	bf	27	97	27	2	-	-	-	0	0	-
10	Spurn Head ...	29	26·2	+2	W'N	4	c	34	85	31	7	-	5	1	0	7·8	-
	Catterick ...	175	27·4	+4	NW	1	bcjf	34	85	31	6	-	5	-	0	4·6	-
	Tynemouth ...	108	26·1	+4	NW	4	c	33	92	32	6	2	-	-	7·8	7·8	2500
11	St. Abbs Head	280	24·7	+6	WNW	4	c	41	85	36	7	4	4	-	4·6	7·8	2500
	Leuchars ...	36	25·5	+2	WNW	4	bc	38	85	33	9	-	7	-	0	4·6	-
12	Renfrew (Abbotsl.)	19	27·5	+2	NW'W	3	zo	38	85	34	6	-	-	6	0	9	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	28·3	+6	N	4	bc	46	85	40	8	4	4	9	Tr	4·6	1800
13A	Tiree	22	28·5	0	NNW	3	bc	46	92	44	8	8	-	-	4·6	4·6	2500
13B	Stornoway ...	80	26·5	-2	WSW	4	c	43	92	41	7	5	7	-	4·6	9	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	39	*	*	*	*	*	*	*	*	*
	Wick ...	119	22·9	-6	WNW	3	c	37	92	35	8	2	6	8	2·3	7·8	2000
16	Sumburgh ..	30	19·7	-2	NNW	3	c	43	65	34	8	8	3	-	1	9	2500
17	Blacksod Point	18	33·5	-2	NW	2	bc	45	85	41	8	4	-	-	4·6	4·6	2500
18	Malin Head ...	84	30·2	+2	N	4	pr	46	75	38	8	6	-	-	7·8	7·8	4000
	Aldergrove ...	268	30·8	0	-	0	c/pr	39	97	37	7	5	7	-	4·6	7·8	3000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	34·5	+2	N	3	cjp	45	85	41	8	8	-	-	9	9	2500
	Roches Point	22	32·6	0	N'W	4	bc	43	85	39	8	5	-	-	2·3	2·3	2500

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

Barom. at M.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)
27·5	0	SW'S	2	zo	29	92	27	5	-	-	-	0	0	-	3	*
27·5	+14	WSW	2	m	27	92	23	4	-	-	-	0	0	-	3	*
																*
28·4	0	NW	2	m	27	92	26	4	-	3	1	0	4·6	-	3	*
27·5	-2	WNW	2	m	28	85	25	4	5	3	-	Tr	Tr	2500	3	*
26·3	+2	NNW	3	bcf-	28	92	27	3	-	4	-	0	2·3	-	3	2
26·4	+4	NW'W	2	m	34	92	32	4	5	-	-	4·6	9+	4000	1	*
27·0	+2	NNW	3	c	32	85	27	6	5	3	-	2·3	3+	4500	3	*
25·7	-4	NW'W	2	m	33	85	28	4	-	3	-	0	Tr	-	1	1
24·6	-12	W	2	zo	32	85	29	6	5	-	-	2·3	2·3	2500	1	3
26·5	-4	SW'W	2	m	26	92	24	4	-	3	-	0	4·6	-	8	*
26·2	-8	W'S	3	m	30	97	29	4	5	-	-	1	1	6000	3	*
28·0	-2	WNW	3	cf	33	97	29	3	5	-	-	7·8	7·8	800	3	*
27·6	-2	NW	2	mf	26	97	26	4	-	-	-	0	0	-	3	*
28·3	-4	SW	1	zo	27	97	26	5	-	-	1	0	Tr	-	3	*
28·9	-2	NNE	3	bc	43	85	38	8	2	4	-	2·3	4·6	2500	1	4
28·8	-2	SSW	2	zo	28	92	26	5	5	-	-	Tr	Tr	4000	3	*
28·2	+6	N	3	bc	33	85	30	8	2	-	-	4·6	4·6	4000	1	3
29·1	-2	-	0	zo	36	92	33	6	5	-	-	Tr	10	4000	n	
29·3	+4	NNW	3	S/pl	40	92	38	8	8	2	-	7·8	9+	1500	1	3
30·0	-2	N'E	5	bc	46	75	38	8	8	-	-	4·6	4·6	1500	1	4
29·9	0	N'W	4	bc	43	92	37	8	2	-	-	4·6	4·6	2500	1	2
28·7	+2	NW'N	5	c	45	85	42	8	8	3	-	7·8	9	2500	1	4
28·0	0	-	0	f	27	97	27	0	-	-	-	10	10	150	3	*
28·5	+2	-	0	bf-	25	97	25	2	-	4	-	0	Tr	-	3	*
25·5	-6	WNW	4	b	35	92	32	7	-	-	-	0	0	-	0	3
26·8	+6	W'N	3	b	36	75	30	7	-	4	-	0	1	-	4	*
26·0	0	NW	3	bc	35	85	31	6	2	3	-	2·3	2·3	2500	8	4
23·8	-6	WNW	4	bc	42	85	38	8	4	4	-	2·3	4·6	2500	0	3
24·5	-6	WNW	2	c	38	85	33	9	-	3	-	0	7·8	-	0	*
26·8	-6	WNW	3	zo	38	92	36	6	-	4	-	0	4·6	-	0	*
27·1	-2	-	0	bc	32	85	27	7	-	4	-	0	2·3	-	8	*
27·9	0	N'W	3	b	45	92	43	8	4	4	-	Tr	1	2000	0	3
28·4	0	NNW	4	bc	46	85	44	8	8	3	-	2·3	4·6	2800	3	4
25·1	-10	WNW	5	c/pr	45	92	42	7	5	7	-	7·8	10	2000	1	2
26·4	-2	WNW	3	ic/o	38	85	34	7	5	-	-	7·8	7·8	1500	4	*
22·9	-8	WNW	3	c	40	85	38	6	5	3	-	1	7·8	2600	6	2
22·2	-2	NW'W	3	bc/pr	38	92	37	8	2	6	-	2·3	4·6	2000	1	*
20·8	+10	N	1	bc	39	92	36	8	8	3	-	1	2·3	2500	1	2
33·6	0	NW	3	bc/pr	44	92	42	7	2	5	-	4·6	4·6	2500	1	3
29·6	-6	NNW	4	bc	47	75	39	8	2	-	-	4·6	4·6	5700	1	4
30·4	-2	NW	1	bc	39	92	37	8	5	-	5	2·3	4·6	2500	1	*
32·7	-2	N	1	c	33	97	32	8	5	-	-	7·8	7·8	4000	4	*
34·8	-2	-	0	c	39	92	35	8	8	-	-	7·8	7·8	2500	1	3
32·9	-2	N	4	bc	41	85	37	8	5	-	-	4·6	4·6	2500	1	4

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F. (34)	Rainfall. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine ...6ths Hrs. (38)
38	28	16	-	Tr	4·6
37	26	21	-	-	4·2
37			-		
35	24	20	-	-	6·8
39	27	19	-	-	*
37	25	21	-	-	6·4
38	33	28	Tr	-	3·6
39	29	23	-	-	5·2
39	29	27	-	-	3·1
39	32	26	Tr	-	*
35	25	17	-	-	4·5
38	28	24	-	-	5·0
35	28	17	-	-	2·7
35	25	19	-	-	*
38	27	19	-	Tr	5·0
42	41		Tr	0·3	4·9
40	27	18	-	-	4·3
38	31	*	-	-	*
40	30	24	-	-	6·1
41		*	-		6·4
44	43	*	0·1	1	0·8
43	32		Tr	1	0·7
44	42	36	0·1	-	*
39	26	20	0·4	0·3	0·9
34	23	18	-	-	*
36	32		-	-	0·9
37	30	20	-	-	2·6
34	32	29	-	-	*
39	35		Tr	-	
37	33	28	-	-	0·4
37	32	24	-	-	
32	32	23	-	-	2·1
43	42	*	Tr	-	0·2
46	32	*	0·4	-	0·0
44	40		1	3	0·6
36	32	24	0·4	1	0·0
38	38	32	0·1	-	0·5
40	37	33	3	1	*
41	37	30	1	1	0·0
47	42		1	0·4	
48	42	*	2	0·5	0·0
41	36	35	2	1	0·1
43	31	27	0·4	-	0·0
48	38	33	1	0·5	*
46		*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 6th January ... 18h. G.M.T. — 01h. G.M.T. 7th January ... 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 81	25864	27386	80	25852	28482	5-	61747	24327	53	01863	28384
115 87	81834	20487	87	81834	28486	57	81844	28487	53	25844	28486
303 8-	81837	24487									
206 5-	51368	18328	8-	25964	24284	83	01854	28384	83	81846	26287
210 57	02965	53428	57	02855	16287	57	01963	21314	53	25965	25387
220 80	25954	28384									
230 5-	22858	12188	80	01853	26383	20	02853	29316	24	01854	27385
245 54	02954	25217	54	00851	25261	54	01961	31213	09	01990	28315
260 03	05690	24115	50	47263	23143	53	43365	24167	53	08464	26168
278 57	08451	19166	8-	25856	26386	8-	01854	26314	86	00862	26313
279 57	05664	00014	57	08453	12124	03	05690	00015	05	05590	00014
285 13	08151	32414	53	41853	30414				53	01853	32414
288 57	05663	24214	00	05590	18113	53	02564	22117	53	05662	2027*
575 5-	02865	28225	5-	02856	27286	86	01753	28314	87	25851	30285
301 03	05690	31346	20	25443	04183	00	08490	10100	00	47150	32140
321 07	08490	28315	07	17490	27213	50	45373	24243	00	08490	25240
299 80	02745	30315	5-	05644	30314	5-	05645	30215	50	00752	30202
292 57	02961	28416	50	00852	29212	50	05663	25113	14	05690	27211
310 --	04434	26314	--	04434	24314				--	01642	32312
614 01	05590	26318	04	47390	26211	50	08473	24203	00	45350	26200

13h. G.M.T. 6th January ... 18h. G.M.T. — 01h. G.M.T. 7th January ... 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 8-	81747	26387	57	02844	24286	2-	81846	32486	24	81846	30487
334 --	05664	16115	--	05555	28216				--	25644	28285
340 00	05690	32116				03	47390	28102	--	48109	28249
136			5-	05656	28326	5-	05676	28376	5-	08478	24318
336 51	01753	32314	57	02755	28328				50	01753	28313
350 00	05590	26314				00	08490	25200	03	08490	20311
368 00	00790	32213	54	02753	30228	5-	02657	30117	04	05590	08113
379 00	05690	30403	50	05653	28303	00	05590	28300	50	08461	28211
390 04	05690	26301	00	08490	28300	03	47390	28245	00	43390	28240
382 00	05690	27400	04	05690	27301	00	08490	00000	03	08490	00001
438 50	05561	01401									
430 00	05690	28200	04	05590	22111	00	05690	26100	50	05573	02303
409 14	01852	02414	27	02854	32288	50	01855	32265	5-	25856	32186

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C$_L$C$_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	cm o bzx	bz o x	bm o x	Kew 24 hours ended 7h. Max. Time 0.9 13h.6th. Min. Time 0.2 12-14h.6th
Croydon ...	cm o bf	bz bf	cf bm x	
Greenwich ...	cbm o	bm o m	bx cbm f	
Camden Square	bc	b		
Kensington ..	bcz	bz		
Hampstead ...	bc	bcx	bcxm	

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	38	28	16	-	Tr	4·6	*	*
Croydon ...	37	26	21	-	-	4·2	*	*
Greenwich ...	37	25	17	-	-	0·9	61	85
Westminster ...	40	27	27	-	-	*	73	96
Regents Park ...	38	28	20	-	-		71	*
Camden Square	38	28	23	-	-	*	*	88
Kensington ...	*	27	20	-	-		79	95
Hampstead ...	37	26	22	-	-		*	90

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

SECRET

Thursday 8th January 1942

No. 29,267

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	25·7	-2·0	SW/S	1	c/pr	35	85	31	3	-	5	6	0	9	-
	Croydon ...	25·7	-1·8	WNW	2		36	75	29	4	-	4	4	0	4-6	-
	S. Farnborough	26·7	-1·8	W'N	2		37	85	32	6	-	-	-	0	2-3	-
	Boscombe Down	27·7	-1·4	W'N	2		38	85	35	6	-	-	4	0	0	-
	Thorney Island	26·8	-1·4	WNW	2		38	75	32	6	-	7	-	0	7-8	-
	Lympne ...	25·4	-1·0	NW'W	2		35	85	30	4	5	-	-	9+	9+	4000
	Manston ...	25·2	-1·4	W	3		35	75	29	3	5	-	-	7-8	7-8	4000
2	Shoeburyness ...	24·1	-1·2	W'N	2	bc/f+	36	75	28	3	5	-	4	4-6	8	5700
	Felixstowe ...	24·2	-1·6	WNW	3		37	75	30	5	-	9	2	0	9+	-
	Gorleston ...	24·6	-1·0	NW'W	2		37	85	32	5	5	3	-	4-6	7-8	1500
	Mildenhall ...	26·1	-1·4	WSW	3		35	75	29	4	-	7	-	0	7-8	-
	Cranwell ...	25·1	-1·4	W	2	c/f+	36	85	32	3	-	3	-	0	9+	-
3	Birmingham ...	26·4	-0·8	WNW	2		38	92	37	4	5	-	-	7-8	7-8	1500
	Upper Heyford	25·7	-2·2	NW	3	f+	34	87	34	1	-	-	-	10	10	<150
4	Ross-on-Wye	27·0	-1·2	SW	1	b/fg	43	75	35	7	1	-	1	1	1	3500
5	Hartland Point	28·5	-0·6	NNE	4	c/pr	46	75	40	8	8	4	-	4-6	7-8	2000
	Bristol ...	27·4	-1·4	N	2		41	85	36	6	-	-	3	0	Tr	-
	Portland Bill ...	26·8	-1·2	N	3	bc	43	92	41	8	1	-	-	2-3	2-3	4000
	Plymouth ...	28·7	-1·2	NNW	3	b	44	75	38	7	2	-	-	1	1	2500
	The Lizard ...	28·5	-0·8	N	2	c/pr	45	85	40	8	8	6	-	7-8	7-8	2000
	Scilly (St. Mary's)	30·0	-1·0	NE	4	c	47	75	40	8	8	6	-	4-6	7-8	1200
	Guernsey ...															
6	Pembroke ...	29·3	-0·6	NNW	4	bc	46	92	44	8	2	6	-	4-6	4-6	2500
7	Holyhead ...	27·8	-1·0	NW	4	bc	47	85	42	8	8	3	-	4-6	4-6	2500
	Chester (Sealand)	26·6	-1·6	NW'W	2	m/c	39	92	37	4	9	-	-	9+	9+	1200
8	Manchester ...	27·4	-1·6	-	0	c/f+	28	97	28	7	-	-	-	10	10	<150
10	Spurn Head ...	23·9	-1·4	WNW	4		39	85	35	6	5	7	-	4-6	9+	2500
	Catterick ...	24·7	-1·8	WNW	3	c/pr	42	75	35	7	5	7	-	4-6	9+	4000
	Tynemouth ...	24·3	-0·4	WNW	3	c/pr	38	85	35	6	8	-	-	7-8	7-8	2000
11	St. Abbs Head	23·6	0	WNW	4	m	42	92	40	6	5	4	-	7-8	9+	2500
	Leuchars ...	24·9	+0·2	NW	3	c	44	85	38	8	5	3	-	7-8	7-8	3200
12	Renfrew (Abbotsi.)	25·8	-0·6	NW	3	bc	44	85	39	8	8	4	9	1	4-6	2500
	Eskdalemuir ...	25·0	-0·8	NW	5	bc	41	85	35	8	6	3	2	2-3	4-6	2200
	Point of Ayre ...	26·8	-1·2	NW/N	5	bc	47	85	44	8	8	4	-	1	2-3	1000
13A	Tiree	28·6	0	NW	4	c/pr	47	85	43	8	8	-	-	7-8	7-8	1800
13B	Stornoway ...	27·8	+1·4	NNW	3	c/pr	48	92	41	7	2	6	-	4-6	7-8	2000
15	Dalwhinnie ...	26·5	0	NW	3	m	38	85	34	8	5	-	-	7-8	7-8	2500
	Aberdeen ...	24·1	+1·4	NW	3	pr	41	85	36	7	8	9	-	2-3	2-3	1800
	Wick ...	24·7	+1·2	NNW	2	c/pr	41	85	38	7	7	3	-	2-3	7-8	2500
16	Sumburgh ...	22·6	+0·6	N	2	bc	40	75	34	8	8	4	4	4-6	4-6	2500
17	Blacksod Point	32·8	-1·0	SW	3	c/pr	47	85	43	8	9	-	-	9	9	2500
18	Malin Head ...	29·6	-0·4	N'W	5	pr	48	75	41	8	9	-	2	4-6	7-8	1500
	Aldergrove ...	29·0	-1·8	NW'W	3	bc	45	85	40	8	8	4	-	4-6	4-6	2500
19	Birr Castle ...	32·2	-0·6	N	1	bc	44	85	40	8	5	-	-	2-3	2-3	2500
20	Valentia Obsy.	34·0	-1·0	NE	2	bc	46	75	39	8	8	-	-	4-6	4-6	2500
	Roches Point	31·8	-1·2	N	5	b	46	75	39	8	1	-	-	1	1	4000

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

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. (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)	24·1	-1·0	WSW	2	m	35	92	34	4	-	3	1	0	9	-	3	*
	Croydon ...	24·9	-1·0	WSW	1	c/f+	33	97	32	3	-	3	-	0	7-8	-	1	*
	S. Farnborough	24·8	-0·8	W'N	3		35	92	33	6	-	-	-	0	0	-	1	*
	Boscombe Down	26·3	-0·6	W'N	2		36	92	34	4	5	-	-	4-6	4-6	3500	1	*
	Thorney Island	25·2	-0·8	NW'W	2		35	92	33	5	-	4	-	0	Tr	-	1	*
	Lympne ...	23·8	-1·0	WNW	2		33	85	30	3	-	7	-	0	9+	-	1	§ 2
	Manston ...	23·3	-1·6	W'N	3		35	85	31	2	-	-	-	10	10	<150	1	*
2	Shoeburyness ...	23·5	-1·0	WNW	2	c/f+	39	85	32	2	5	-	-	7-8	7-8	3500	3	*
	Felixstowe ...	22·8	-1·0	WNW	3		38	85	32	4	-	7	-	0	9+	-	1	2
	Gorleston ...	22·3	-1·4	NNW	2		37	85	32	4	5	-	-	10	10	1500	1	2
	Mildenhall ...	23·2	-1·4	W	3	m/f+	34	97	33	3	5	1	-	7-8	7-8	2500	6	*
	Cranwell ...	23·5	-0·6	WNW	2	c/f+	37	92	34	3	5	-	-	7-8	7-8	4100	1	*
3	Birmingham ...	24·5	-0·8	NW	3	c/f+	41	85	38	3	6	-	-	7-8	7-8	1500	1	*
	Upper Heyford	24·5	-1·0	NW	3	m	38	92	35	4	5	5	-	2-3	4-6	2500	1	*
4	Ross-on-Wye	25·6	-0·6	W'S	2	pr	40	85	36	8	5	-	-	4-6	4-6	3000	5	*
5	Hartland Point	27·6	-0·4	N	3	c	45	75		8	8	4	-	4-6	7-8	2500	1	4
	Bristol ...	26·3	-0·6	NNE	1	bc/f	38	85	35	3	5	-	-	4-6	4-6	3000	1	*
	Portland Bill ...	25·7	+0·2	N	2	bc	40	92	38	8	4	-	-	4-6	4-6	4000	1	3
	Plymouth ...	28·0	0·0	NNE	1	pr	41	92	39	4	8	-	-	7-8	7-8	2000	1	2
	The Lizard ...	28·4	0·0	N	2	c/pr	41	92	40	8	8	-	-	7-8	7-8	2000	1	2
	Scilly (St. Mary's)	29·3	-0·2	N'E	4	c	46	75	39	8	8	6	-	4-6	7-8	1200	1	4
	Guernsey ...																	
6	Pembroke ...	28·6	0·0	N	4	bc	45	92	43	8	2	-	-	4-6	4-6	3000	1	3
7	Holyhead ...	26·5	-0·6	N	5	c/pr	44	92	42	7	8	-	-	9	9	1600	1	
	Chester (Sealand)	24·9	-1·0	NW	4		42	92	39	6	8	-	-	7-8	9	1800	1	*
8	Manchester ...	24·8	-1·4	-	0	pr	36	97	36	2	2	6	-	4-6	4-6	2500	3	*
10	Spurn Head ...	22·0	-1·2	NNW	4	bc	39	85	36	6	4	-	-	4-6	4-6	2500	1	3
	Catterick ...	24·3	-0·4	NW	3	c	39	85	34	7	5	3	-	4-6	9+	3000	1	*
	Tynemouth ...	24·4	+0·6	NW	4	m	41	85	37	6	2	3	-	4-6	7-8	2500	1	3
11	St. Abbs Head	24·2	+0·6	NW	4	bc	42	92	40	7	4	4	-	2-3	4-6	2500	0	2
	Leuchars ...	25·7	+0·6	NW	2	bc	41	75	32	7	4	-	-	2-3	2-3	4500	1	*
12	Renfrew (Abbotsi.)	26·5	+0·6	WSW	2	bc	36	85	30	7	5	4	-	2-3	2-3	2500	3	*
	Eskdalemuir ...	26·0	+1·2	-	0	bc	36	85	32	6	5	4	-	2-3	4-6	2200	4	*
	Point of Ayre ...	26·2	0	NE	4	b	45	85	40	8	2	-	-	Tr	Tr	1500	0	3
13A	Tiree	28·7	+0·2	N'W	3	bc	46	85	42	8	8	-	-	4-6	4-6	2500	0	
13B	Stornoway ...	28·3	+0·2	WNW	2	bc	41	92	39	7	5	7	-	2-3	4-6	1000	1	
15	Dalwhinnie ...	29·0	+0·8	NNE	1	bc	35	85	32	8	8	-	-	2-3	2-3	4000	1	*
	Aberdeen ...	25·3	+0·8	NNW	2	pr	39	92	36	6	9	-	-	9+	9+	1800	1	2
	Wick ...	25·9	+1·0	NW	2	c	38	85	33	6	5	-	-	4-6	9+	1600	1	*
16	Sumburgh ...	24·0	+1·4	-	0	b	37	85	34	8	4	-	-	1	1	3000	1	2
17	Blacksod Point	32·2	-0·2	N'W	2	c/pr	44	92	42	8	4	6	-	4-6	7-8	2500	1	3
18	Malin Head ...	28·9	-0·8	N	4	bc/pr	56	85	41	7	9	-	-	4-6	4-6	1500	1	4
	Aldergrove ...	29·0	+0·2	NW'N	2	c/pr	43	85	39	8	8	-	-	9+	9+	2000	1	*
19	Birr Castle ...	30·0	-0·2	NNW	2	bc	42	92	40	8	5	-	-	4-6	4-6	2500	1	
20	Valentia Obsy.	33·0	-0·2	N	4	pr	45	85	41	8	3	-	-	9+	9+	2500	1	3
	Roches Point	31·7	+0·6	N	4	c	45	85	41	8	5	3	-	4-6	7-8	1500	1	

PAST 24 HOURS.

Weather. 7h.—13h. 7th. (39)	13h.—18h. 7th. (40)	18h. 7th. to 1h. 8th. (41)	1h.—7h. 8th. (42)
bcefx	cffmx	efefc	bcmx
f	bcmbf		befbmcm
bcmx	bbcbmbcbcmw		bmx
bcmx	bmbcmmflcbcmo		bcprsf
bcm	cbcbm	bmomcmo	cbc,cbw
bfbcx	ccm	effiro	cffmilo
bccefsh	cfimofcrbcf		cidefbcm
bg hfc	cfbcf	bcfcmo	cbcmo
bmcmm	cmm	mb,ciro	iroporbcmo
bccz	cpfcom	omkcprow	ccporo
bccm	cmcfid	cmprbcmo	bcmo
bmbcf	cfic	bfcbcmo	bcz
cfbm	cm	fcpor	cbfx
bcmof	fbcm	cbcmbcf	bfof
b,cmbz	bcc		cbx
bccp	cp	cpr	
bmfbz	bcmmfcmbcmo		bmf
bcbc	bcbc	c	cbc
bmbf	bbc	bcmopro	cprob
bcprc	cprbc	bcprc	cbc
bcc	cpc	cbcc	cbc
cprz	bc	cpobc	cb
bccpzc	cbc	bcbbcx	bcxbx
bcmbc	bccbc	bcbcx	cbmcx
bcxbc	bc	bcb	bx
bc	bcb	b	bbcd
cprc	bc	bcpr	bcpr
cpr	ccbc	bccper	cbepr
cir	cbc		cbc
bczbccpcarrprz			bccro
bcpcc	bcc	cbbcc	forcirapr
pcbc	bcpcbz	bepcrc	irocpr
pr	pr	c	bc
cpr	pr	pr	c
cbc	cprpc	probcb	bcpgccproc
bc	bc		c
pr	pr	pr	pr
b	bc	bc	bc

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

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

Light or moderate west to northwest wind, veering north. Fair at first; occasional rain later. Rather cold; slight frost locally at night.

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

Moderate west to northwest wind, veering north, fresh locally. Occasional rain; clear intervals later: rather cold.

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

Moderate northwest to north wind, fresh locally. Variable cloud; wintry showers later: cold.

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

Moderate northwest wind. Occasional rain; average temperature.

GENERAL INFERENCE

A depression northeast of Shetland is moving south-southeast, and an associated trough will cross the British Isles. In the North there will be occasional rain followed by clear intervals and local wintry showers. In the South, weather will be mainly fair at first, but occasional rain is likely, later.

FURTHER OUTLOOK

Probably rather cold with wintry showers in the North and East.

Forecasts issued at 1030 G.M.T.

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

7h. Thursday 8th January 1942

LOW

HIGH

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in $\frac{1}{10}$ mbs.

Dew Point °F

Bar. tendency

Low cloud

Weather in past hour

Past weather

Amount of Low cloud

Height of Low cloud

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 8th January, 1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

Page 4. BRITISH SECTION

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

Thursday 8th January 1942

No. 29267

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

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	*	*	*	*	*	37	*	*	*	*	*	*	*	*	*
	Croydon	217	23.0	-8	NW	2	cf-	36	97	35	2	5	-	-	9+	9+	4000
	S. Farnborough	226	23.6	-6	NNW	2	m	36	97	35	4	-	3	-	0	2.3	-
	Boscombe Down	417	24.9	0	NNW	2	zo	36	97	35	5	-	3	-	0	4.6	-
	Thorney Island	10	23.1	-8	NW	2	zo	37	92	34	6	5	3	-	2.3	7.8	2500
	Lympne	346	21.4	-14	WNW	3	F	36	97	35	1	5	-	-	9+	9+	700
	Manston	154	20.7	-14	NW'N	3	cf	37	92	35	3	5	-	-	7.8	7.8	500
2	Shoeburyness	11	21.5	-10	NNW	3	c	36	92	34	5	-	3	-	0	7.8	-
	Felixstowe	15	21.0	-6	NNW	3	iro	37	92	35	5	5	-	-	4.6	10	800
	Gorleston	5	21.7	+4	N'E	3	c/pr	41	85	37	6	8	-	-	4.6	4.6	1500
	Mildenhall	19	22.4	-4	NW'N	4	c/pr	35	97	34	5	5	-	-	4.6	4.6	2500
	Cranwell	240	24.1	+4	NNW	4	zo	35	92	34	5	5	3	-	1	2.3	3000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24.3	-2	N'W	2	f	34	97	33	3	5	-	-	4.6	4.6	5000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25.7	-12	N	3	c/pr	45	85	42	8	8	-	-	7.8	7.8	1500
	Bristol	209	25.3	-2	NNE	3	zo	37	85	34	6	-	-	-	0	0	-
	Portland Bill	32	24.1	+10	NE	3	c	43	92	41	7	5	-	-	7.8	7.8	2500
	Plymouth	82	26.3	-6	N	3	pr	43	92	40	6	2	-	-	9	9	3000
	The Lizard	240	27.1	-6	NNW	4	bc	40	97	39	8	8	-	-	4.6	4.6	2000
	Scilly (St. Mary's)	163	28.4	-4	N	4	c	47	92	40	8	8	-	-	10	10	1500
	Guernsey	175															
6	Pembroke	142	27.1	-6	N'W	5	cq	46	85	43	8	2	6	-	4.6	7.8	2500
7	Holyhead	26	26.9	-2	NE'N	1	b	40	92	38	8	5	-	-	Tr	Tr	2500
	Chester (Sealand)	16	26.6	+2	WNW	2	bF+	34	97	33	1	-	3	-	0	1	-
8	Manchester	235	26.1	+2	-	0	bf-	27	97	27	2	-	3	-	0	1	-
10	Spurn Head	29	22.6	+4	NNW	3	ir	39	97	37	7	8	-	-	9	9	2500
	Catterick	175	25.9	+2	NW	2	c.	38	85	33	7	5	-	-	9+	9+	3600
	Tynemouth	108	25.4	+2	NW	4	bc	38	85	33	6	2	-	-	2.3	2.3	2500
11	St. Abbs Head	280	25.2	0	NW	4	bc	42	75	34	7	2	4	-	2.3	4.6	2500
	Leuchars	36	26.3	-2	NW	1	bc	35	85	31	8	5	4	-	4.6	4.6	4000
12	Renfrew (Abbots I.)	19	27.4	-4	W	2	c	33	85	29	7	5	-	7	1	10	3500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	27.1	+2	NE	2	b	42	85	38	8	-	4	-	0	Tr	-
13A	Tiree	22	28.7	0	NNW	3	bc	45	92	43	8	8	3	-	2.3	4.6	2500
13B	Stornoway	80	28.1	-6	SW	3	c	40	97	40	7	8	6	9	4.6	7.8	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	37	*	*	*	*	*	*	*	*	*
	Wick	119	25.3	-6	WSW	2	c	34	92	31	8	5	-	-	9	9	3000
16	Sumburgh	30	23.3	-6	-	0	c	36	92	34	8	5	7	6	4.6	7.8	2500
17	Blacksod Point	18	31.6	-4	N'W	2	c	42	92	40	8	4	5	-	4.6	7.8	2500
18	Malin Head	84	28.9	-6	N	3	c	46	85	41	7	9	-	-	9	9	1500
	Aldergrove	268	29.1	-6	NW	1	b	39	97	39	8	5	4	-	1	2.3	3000
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	32.3	-6	NE'E	3	c/pr	40	92	38	8	5	-	-	9+	9+	2500
	Roches Point	22	31.0	-4	NNW	4	bc	41	85	37	8	5	-	-	4.6	4.6	2500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 7th Hrs. (38)
1	London (Kew)	22.9	-4	NNW	2	zo	36	92	38	5	5	-	-	4.6	4.6	2500	3	*	38	34	26	-	0.4	0.9
	Croydon	22.9	+2	NNW	2	of+	34	97	33	3	5	-	-	10	10	1400	3	*	38	33	29	-	0.4	2.7
	S. Farnborough	23.2	+2	NW'N	3	m	33	97	31	4	-	-	-	0	0	-	3	*	40	33	25	-	-	3.3
	Boscombe Down	24.8	0	-	0	f.	33	97	32	3	-	*	-	-	-	<150	3	*	40	31	25	Tr	0.3	4.2
	Thorney Island	22.9	-2	N'W	3	zo	35	92	33	5	5	-	-	Tr	Tr	2500	1	*	40	33	26	-	Tr	*
	Lympne	21.3	+2	SSW	4	m	35	97	34	4	5	-	-	10	10	700	1	§3	37	31	29	-	Tr	3.3
	Manston	20.5	0	NNW	4	zo	37	92	35	5	5	-	-	4.6	4.6	800	1	*	37	35	30	0.1	Tr	1.4
2	Shoeburyness	21.6	0	NW'N	3	c	35	92	33	6	5	4	-	7.8	7.8	900	3	*	38	33	26	Tr	-	1.3
	Felixstowe	21.0	0	NNW	3	zo	36	92	33	6	5	-	-	7.8	7.8	3000	1	2	40	34	31	-	0.1	1.1
	Gorleston	22.3	0	N'W	2	bc/pr	37	85	33	6	8	-	-	4.6	4.6	1500	1	3	37	36	30	Tr	1	*
	Mildenhall	22.4	0	NW'N	3	zo	33	97	32	5	5	-	*	2.3	2.3	4000	4	*	37	32	24	-	1	0.8
	Cranwell	23.9	+2	NW	4	zo	33	97	32	5	5	-	-	2.3	2.3	3000	3	*	39	33	30	Tr	0.2	2.1
3	Birmingham	25.5	0	NW	2	bf	31	97	30	3	-	-	-	0	0	-	1	*	42	31	28	0.1	0.5	0.2
	Upper Heyford	24.3	+2	NW'N	4	F+	30	97	30	1	-	-	-	10	10	<150	3	*	38	29	25	-	0.1	*
4	Ross-on-Wye	25.3	0	WNW	1	zo	33	97	32	6	-	-	-	0	0	-	3	*	41	33	21	Tr	0.3	4.7
5	Hartland Point	25.5	-2	NE	3	bc	43	85	39	8	2	-	-	2.3	2.3	1500	1	4	46	43	37	0.2	2	2.1
	Bristol	25.4	0	-	0	bf+	33	97	32	3	-	-	-	0	0	-	3	*	43	31	22	-	-	5.4
	Portland Bill	24.2	+2	N	3	bc	40	92	38	7	5	-	-	4.6	4.6	2500	1	4	44	36	*	-	-	*
	Plymouth	25.7	0	NE	1	zo	38	92	35	6	-	-	-	0	0	-	1	3	45	38	29	Tr	0.3	5.2
	The Lizard	26.0	-4	N	3	bc	42	92	38	8	8	6	-	4.6	4.6	2000	1	3	46	38	*	0.3	0.5	2.1
	Scilly (St. Mary's)	26.6	-10	N	5	bc	46	75	39	8	8	-	-	4.6	4.6	1500	1	4	47	45	*	Tr	-	2.9
	Guernsey																							
6	Pembroke	26.5	-4	N	3	roro	43	92	41	7	8	-	-	9	9	2500	1	3	40	40	*	0.1	0.1	3.2
7	Holyhead	26.6	-2	NE	1	fs	35	97	35	6	2	-	1	2.3	4.6	2500	1	2	48	33	27	1	-	*
	Chester (Sealand)	26.0	-2	NW	2	m	32	97	32	4	5	-	-	Tr	Tr	3000	0	*	45	30	22	0.2	-	0.8
8	Manchester	26.1	+4	-	0	bf-	24	97	34	3	-	-	-	0	0	-	3	*	36	23	15	Tr	-	*
10	Spurn Head	22.3	0	NW'N	4	phr	38	92	37	7	8	7	-	4.6	7.8	2500	1	3	39	35	*	Tr	1	2.4
	Catterick	25.3	-2	WNW	2	b	35	75	29	7	5	-	-	Tr	Tr	4000	1	*	43	34	29	Tr	-	0.1
	Tynemouth	25.1	+4	NW	3	zo	36	85	30	6	2	-	-	2.3	2.3	2500	1	3	42	35	31	0.2	1	*
11	St. Abbs Head	24.1	-10	NW	3	bc	39	85	35	7	4	4	-	1	2.3	2700	0	2	43	42	*	Tr	-	*
	Leuchars	24.1	-14	WNW	2	bc	34	85	30	9	-	3	-	0	2.3	-	3	*	44	33	23	0.1	-	0.5
12	Renfrew (Abbots I.)	26.0	-10	WSW	1	zo	29	92	27	6	5	-	-	1	1	3000	3	*	45	28	20	0.6	-	4.6
	Eskdalemuir	26.0	-12	-	0	b	27	92	23	7	-	-	-	0	0	-	4	*	41	23	18	-	-	4.8
	Point of Ayre	26.3	-4	N'E	3	b	43	85	38	8	-	-	9	0	1	-	0	4	47	41	*	-	-	4.0
13A	Tiree	27.2	-8	NNW	3	bc	45	85	42	8	8	3	-	2.3	4.6	2800	0	3	48	44	*	0.5	1	0.4
13B	Stornoway	25.8	-10	W	3	bc/pr	42	97	42	7	5	4	-	2.3	4.6	2000	1	1	45	37	*	2	0.5	2.3
15	Dalwhinnie	25.7	-6	NW	1	bc	33	85	30	8	8	-	-	2.3	2.3	2500	3	*	39	33	27	2	Tr	0.1
	Aberdeen	22.6	-16	NW'W	2	c	38	85	34	5	5	-	-	7.8	7.8	2600	1	2	42	29	29	2	Tr	2.5
	Wick	21.3	-20	W	3	pr	39	97	38	8	2	6	-	7.8	9+	1700	1	*	42	33	31	1	3	*
16	Sumburgh	16.9	-36	NW	3	pr	43	85	39	7	9	-	-	10	10	1500	1	2	42	34	28	Tr	1	2.8
17	Blacksod Point	30.2	-8	W'N	2	bc	42	97	41	8	2	-	-	2.3	2.3	2500	0	2	48	41	42	1	0.3	*
18	Malin Head	27.5	-6	N	2	c	45	85	41	8	4	7	-	4.6	7.8	4000	1	4	49	41	43	1	1	0.0
	Aldergrove	28.1	-4	W'N	3	c/pr	39	97	38	8	8	-	-	2.3	9	1800	1	*	46	35	30	0.3	1	2.4
19	Birr Castle	29.2	-8	N	1	c	36	97	35	8	5	-	-	9	9	2500	1		46	33	29	-	0.3	3.6
20	Valentia Obsy.	30.3	-10	NE'E	2	b	35	97	34	8	1	-	-	Tr	Tr	2500	1	2	48	34	30	0.2	0.2	
	Roches Point	29.5	-6	N	3	bc	40	92	36	8	5	-	-	2.3	2.3	4000	1	4	47	3.5	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 7th January ..... 18h. G.M.T. — 01h. G.M.T. 8th January ..... 07h. G.M.T.

IIIC_L C_M (13h)	wwVhN_h (13h)	DDFWN (13h)	C_L C_M (18h)	wwVhN_h (18h)	DDFWN (18h)	C_L C_M (01h)	wwVhN_h (01h)	DDFWN (01h)	C_L C_M (07h)	wwVhN_h (07h)	DDFWN (07h)
109 84	02854	30584	84	02843	30485	5-	02867	24317	8-	25853	25484
115 54	10844	28385	52	81844	32227	52	02844	30387	55	81644	30487
203						5-	02947	24327			
206 8-	01964	28284	83	01863	28385	83	01854	26224	53	22854	28165
210 83	02865	30413	86	02854	28385	50	02866	26286	53	01863	21315
220 83	02855	28386							53	25643	28284
230 8-	01854	32484							83	01854	00014
245 87	25955	28387	50	21862	00052	04	00990	29302	53	02861	26216
260 54	02764	26214	50	01763	25213	50	01763	00003	50	05571	00011
278 8-	10946	28516	40	00841	29481	50	00861	20101	8-	05554	18114
279 53	05664	24115	54	08462	28313	04	05590	00001	00	08490	00000
285 23	02634	26387	23	02634	32326				13	01852	32315
288 5-	05967	22317	5-	08464	29244	53	05863	28414	53	08463	28224
575 84	01853	28203	8-	02856	30226	50	01854	28284	8-	02856	30286
301 24	05654	28345	50	05552	30112	03	05690	32203	00	47390	30100
321 57	05564	25346	50	08453	26383	5-	25667	62487	57	01664	28385
299 50	05655	30215	50	05655	30215	50	01743	02413	80	02745	02415
292 53	25565	00016	50	05663	27483	53	01863	29384	50	00862	28212
310 --	01645	26415	--	44209	26349				--	01636	26416
614 03	08490	22115	03	47390	26167	03	08490	30341	00	05590	30300

13h. G.M.T. 7th January ..... 18h. G.M.T. — 01h. G.M. 8th January ..... 07h. G.M.T.

IIIC_L C_M (13h)	wwVhN_h (13h)	DDFWN (13h)	C_L C_M (18h)	wwVhN_h (18h)	DDFWN (18h)	C_L C_M (01h)	wwVhN_h (01h)	DDFWN (01h)	C_L C_M (07h)	wwVhN_h (07h)	DDFWN (07h)
333 8-	02856	28486	8-	25744	32384	50	00862	02312	54	01864	04214
334 --	25654	20285	--	64547	28368				--	01751	00002
340 7-	41557	28247	5-	61556	28256	03	41490	30243	00	08490	00000
136 5-	08464	25325	5-	47368	26368	70	25744	30284	80	25654	29384
336 54	01753	04414	40	02755	32415				50	01754	32314
350 03	41490	24245	57	43254	25148	50	05573	28313	5-	05667	26317
368 10	05652	20212	54	00661	26212	04	00790	30111			
379 53	05624	28314	5-	05547	28327	04	08490	32361	00	41490	32340
390 03	43390	28346	07	47290	24145	57	67356	28368	53	08433	28444
382 00	05590	00010	50	05542	00022	03	05590	31403	00	47390	28300
438 57	02764	26217									
430 03	05690	32115	54	08462	26113	57	05662	30467	50	05653	27313
409 2-	81855	01385	20	02854	32384	5-	02857	31487	50	01854	03184

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww. W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
$C_L C_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew	bccfx	cff mx	cfcrₒmx
Croydon	f	bcmbcf	bcfbmcm
Greenwich	bcxff	cbff	bfcd rₒm
Camden Square	o	bc	
Kensington	bcz	bczf	
Hampstead	bcx	bcxs	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h.
Max. Time 0.9 12h on 7th
Min. Time 0.1 15h on 8th

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	38	34	26	-	0.4	0.9	*	*
Croydon	38	33	29	-	0.4	2.7	*	*
Greenwich	36	34	23	-	0.5	0.0	75	88
Westminster	39	29	28	0.2			87	93
Regents Park	38	28	24	-	Tr		75	90
Camden Square	37	35	26	-	-	*	*	92
Kensington	38	33	27	-	-	-	97	87
Hampstead	38	29	25	-	0.1		*	97

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

SECRET

Friday 9th January 1942 — No. 29268

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

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)	22.1	-12	N	3	z_o	40	85	35	5	-	3	1	0	4-6	-
	Croydon ...	22.4	-10	NW	2	m/f	40	85	36	4	5	-	1	7-8	7-8	3000
	S. Farnborough	22.7	-14	N	3	z_o	40	75	33	6	-	-	-	0	0	-
	Boscombe Down	24.1	-14	NW	3	z_o	38	85		6	-	-	-	0	0	-
	Thorney Island	22.5	-18	N	3	z_o	40	85	32	5	1	-	-	Tr	Tr	2500
	Lympne ...	21.5	-6	NNW	3	z_o	39	85	36	5	2	6	-	4-6	4-6	1200
	Manston ...	20.9	-6	NNW	4	z_o	39	85	35	6	2	5	-	4-6	4-6	800
2	Shoeburyness ...	21.6	-4	NNW	4	bc	39	75	33	6	5	-	-	4-6	4-6	1500
	Felixstowe ...	21.0	-12	NNW	3	z_o	40	85	36	5	5	-	2	4-6	4-6	2500
	Gorleston ...	21.2	-10	N'E	2	bc	41	75	35	7	8	3	1	2-3	4-6	2500
	Mildenhall ...	22.0	-14	NW'W	2	bc/d	36	92	34	5	5	3	5	4-6	4-6	2500
	Cranwell ...	22.6	-12	NW	3	m	39	75	31	4	5	3	-	7-8	7-8	3500
3	Birmingham ...	23.6	-12	NW	2	m	38	75	33	4	-	-	2	0	4-6	-
	Upper Heyford	23.4	-14	NNW	2	z_o	37	85	32	5	-	-	5	0	2-3	-
4	Ross-on-Wye	24.6	-12	NW	2	b	39	75	32	7	1	-	1	Tr	Tr	3500
5	Hartland Point	25.6	-8	NNE	2	bc	43	75	34	8	2	4	-	2-3	2-3	2500
	Bristol ...	24.8	-14	NNW	2	z_o	39	85	33	6	5	-	-	Tr	Tr	4000
	Portland Bill ...	23.4	+12	N	3	bc	41	92		8	2	-	-	4-6	4-6	4000
	Plymouth ...	25.4	-10	NW	3	z_o	43	75	37	6	1	-	1	Tr	Tr	3000
	The Lizard ...	25.9	-4	N	3	bc	46	85	43	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	26.9	-2	N'E	4	c	49	78	39	8	8	6	-	4-6	7-8	1500
	Guernsey ...															
6	Pembroke ...	26.5	-6	N	2	c	44	85	41	8	8	6	-	7-8	9+	3000
7	Holyhead ...	24.8	-16	NW	2	c	44	85	42	8	8	6	-	7-8	9	2500
	Chester (Sealand)	24.0	-20	W	2	z_o	43	75	35	6	5	4	6	2-3	4-6	2500
8	Manchester ...	24.7	-16	-	0	bcf	33	97	33	3	-	3	-	0	2-3	-
10	Spurn Head ...	21.9	-12	WSW	3	c	39	85	35	6	8	1	-	4-6	9	1500
	Catterick ...	22.6	-24	SW	1	c	44	65	32	7	-	5	2	0	9	-
	Tynemouth ...	22.2	-20	W	3	c	38	75	33	6	5	-	-	7-8	7-8	2800
11	St. Abbs Head	19.5	-30	NW	3	c	43	78	36	7	4	4	8	2-3	9+	2500
	Leuchars ...	20.7	-26	NNW	3	c	39	85	34	9	5	2	8	2-3	9	4000
12	Renfrew (Abbotsl.)	22.9	-22	SW'W	2	z_o	43	85	37	7	8	3	6	7-8	9+	2000
	Eskdalemuir ...	22.2	-20	WNW	3	c	39	88	33	8	5	4	7	1	9	3300
	Point of Ayre ...	24.4	-12	NNW	4	bc	46	85	42	8	8	4	5	4-6	4-6	1500
13A	Tiree	23.6	-12	NW	2	m	38	75	45	4	-	-	2	0	4-6	-
13B	Stornoway ...	22.7	-20	NW	4	c/pr	45	92	42	8	8	7	-	7-8	9+	1500
15	Dalwhinnie ...		-18	NW	2	c/pr	39	85	35	8	5	-	-	9+	9+	1500
	Aberdeen ...	18.1	-28	NW	4	pr	44	85	38	7	8	9	-	2-3	7-8	2100
	Wick ...	18.3	-14	NW'N	3	c/pr	43	75	37	8	8	-	2	7-8	9+	1900
16	Sumburgh ...	14.8	-12	NNW	4	c/pr	40	78	33	8	8	3	-	7-8	9	2000
17	Blacksod Point	29.0	-16	NW	2	pr	46	92	44	8	9	-	-	9	9	2500
18	Malin Head ...	25.9	-16	NNW	4	c/p	47	75	39	8	3	-	2	4-6	7-8	1500
	Aldergrove ...	26.4	-18	W'N	1	bc	43	92	40	8	8	7	-	4-6	4-6	2500
19	Birr Castle ...	28.5	-10	WNW	1	c	43	92	41	8	5	1	-	7-8	9+	2500
20	Valentia Obsy.	30.0	-8	NE'E	2	c/p	43	92	41	9	8	-	3	7-8	7-8	2500
	Roches Point	29.0	-10	N	3	bc	44	85	40	8	5	-	-	2-3	2-3	2500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	21.0	-8	WNW	2	m	38	75	33	4	5	-	4	4-6	7-8	2500	1	*
	Croydon ...	21.1	-8	NW'W	2	cf	38	85	33	3	5	-	-	9+	9+	4800	1	*
	S. Farnborough	21.3	-6	WNW	2	z_o	36	88	31	5	-	3	-	0	4-6	-	1	*
	Boscombe Down	22.8	-6	NW'W	2	z_o	35	85		5	-	7	-	0	7-8	-	1	*
	Thorney Island	21.7	-2	N'W	2	z_o	37	85	33	6	5	4	-	4-6	7-8	4000	1	*
	Lympne ...	20.2	-6	NNW	3	m	37	92	35	4	5	7	7	Tr	10	1800	1	3
	Manston ...	19.5	-10	NW'N	3	z_o	37	92	35	6	5	-	-	2-3	9+	1000	1	*
2	Shoeburyness ...	20.0	-8	NW	2	c	36	92	34	6	8	-	8	4-6	9+	4500	1	*
	Felixstowe ...	19.1	-14	NW	2	z_o	38	92	35	5	5	-	-	10	10	3700	1	2
	Gorleston ...	18.8	-10	NW'N	3	pr	39	85	35	6	8	-	-	10	10	1500	1	2
	Mildenhall ...	19.8	-14	W'N	2	z_o	35	92	32	5	-	1	6	0	10	-	6	*
	Cranwell ...	19.5	-14	W	2	bf+	35	85	32	3	-	7	-	0	1	-	1	*
3	Birmingham ...	20.9	-14	W	3	cf-	38	75	31	3	5	-	-	9+	9+	2500	1	*
	Upper Heyford	21.3	-4	WNW	1	m	34	85	31	4	-	7	8	0	9	-	3	*
4	Ross-on-Wye	22.3	-14	WSW	2	c	38	75	32	7	3	7	1	7-8	9+	2500	1	*
5	Hartland Point	23.8	-8	NNE	2	c	44	75	37	8	5	-	-	9	9	1500	1	3
	Bristol ...	22.5	-18	WNW	1	z_o	35	85	31	6	5	4	8	Tr	4-6	3000	1	*
	Portland Bill ...	23.4	+4	N	2	bc	40	92	39	7	5	-	-	4-6	4-6	4000	1	4
	Plymouth ...	24.5	-2	-	0	m	39	75	32	4	5	-	-	Tr	Tr	5700	1	2
	The Lizard ...	25.4	-2	NNW	2	c/pr	42	92	40	8	8	2	-	7-8	9+	1000	1	3
	Scilly (St. Mary's)	26.0	0	N	4	c	46	85	40	8	8	6	-	7-8	9	1500	1	4
	Guernsey ...																	
6	Pembroke ...	24.8	-6	NNW	4	c	45	85	39	8	8	-	-	9	9	2400	1	2
7	Holyhead ...	22.8	-10	NW	5	pr	45	85	42	7	8	-	-	9	9	2000	1	3
	Chester (Sealand)	21.3	-14	WNW	4	z_o	42	85	38	6	8	7	6	4-6	9+	2000	1	*
8	Manchester ...	20.9	-24	-	0	m	35	97	35	4	5	-	-	10	10	3000		*
10	Spurn Head ...	18.7	-16	W	3	c	38	85	34	5	5	-	-	9+	9+	1500	1	3
	Catterick ...	18.3	-22	W'N	3	c	40	85	35	7	5	-	7	2-3	10	4000	1	*
	Tynemouth ...	18.3	-22	W	4	z_o	38	92	37	6	8	-	-	9+	9+	2500	1	4
11	St. Abbs Head	16.1	-10	NW	5	c/pr	43	85	38	8	4	4	-	4-6	7-8	2500	1	3
	Leuchars ...	17.5	-2	NNW	3	c	41	85	37	8	5	-	-	7-8	7-8	4000	1	*
12	Renfrew (Abbotsl.)	19.5	-6	W	4	bc	43	85	37	8	5	-	8	4-6	4-6	1800	1	*
	Eskdalemuir ...	18.3	-20	W	5	c	39	86	34	7	5	7	-	4-6	7-8	1500	4	*
	Point of Ayre ...	21.2	-18	NNW	5	bc	45	85	42	8	2	-	5	1	2-3	2000	0	4
13A	Tiree	22.0	-8	NNW	4	bc/pr	45	92	42	8	8	-	-	4-6	4-6	1800	1	4
13B	Stornoway ...	22.4	-2	NNW	4	c	39	92	36	7	8	7	-	7-8	9+	1500	1	2
15	Dalwhinnie ...	20.7	-6	N	3	c	37	85	33	8	5	-	-	7-8	7-8	2500	1	*
	Aberdeen ...	17.0	-6	NW	4	bc/pr	39	75	32	8	8	-	-	2-3	2-3	2100	1	2
	Wick ...	18.0	-2	NNW	4	c	39	75	31	8	8	-	-	7-8	7-8	2000	1	*
16	Sumburgh ...	13.4	-10	N	4	b/pr	36	92	34	8	8	-	-	1	1	2500	1	3
17	Blacksod Point	27.5	-4	WNW	3	c/pr	44	92	42	7	9	-	-	9	9	2500	1	3
18	Malin Head ...	23.7	-10	NW	3	pr	45	85	41	8	5	-	-	9	9	1500	1	4
	Aldergrove ...	23.9	-8	NW	3	c	41	92	39	8	5	-	-	9	9	1500	1	*
19	Birr Castle ...	26.6	-6	WNW	1	c/pr	42	92	40	8	8	-	4	7-8	7-8	1500	1	*
20	Valentia Obsy.	28.4	-6	NNE	2	bc	41	92	39	9	7	-	1	Tr	2-3	2500	1	2
	Roches Point	27.3	-6	N'W	3	c	44	85	40	8	5	-	-	7-8	7-8	1500	1	*

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 8th (39)	Weather. 13h.—18h. 8th (40)	Weather. 18h. 8th to 1h. 9th (41)	Weather. 1h.—7h. 9th (42)
1	London (Kew)	bmxbc	cmobcm	bcc	c_o c_o c_o
	Croydon ...	cf	cmcf	cfcmic	c_m i_d i_s
	S. Farnborough	bmo	bmobccbc	bcc c_o c_m c_o	c_o c_o c_o
	Boscombe Down	bfbm	bcm	c_m i_c c_o	c_{lo} i_c
	Thorney Island	bmowbcmo	bbcmo	c_m i_c c_o	i_c c_m w
	Lympne ...	cmobcmo	bccmom	c_m f	c_f m_i c_o
	Manston ...	bccbcmo	bccmo	c_m mf	c_f m_m c_o
2	Shoeburyness ...	isoxbmo	bcir. cmo	cm	c_m c_o
	Felixstowe ...	bmoprocmo	cmo	c_m i_c m	c_{lo} m c_m
	Gorleston ...	bepro	bepro	c_p b_r c_o	b_c r_f b_r
	Mildenhall ...	bcmocmo	cmocm, cmo	c_m m_{ir} c_o	c_m i_g b_c m
	Cranwell ...	bcmom	cmbf	bcfbccc c_o	c_m b_c m c_o
3	Birmingham ...	fbbcm	bccm	cfbr	iram
	Upper Heyford	bfbfmmo	bmocm	c_m a_i c_m c_o e_r	
4	Ross-on-Wye	clombz	bbcc	c_o	c_c r_o b_c
5	Hartland Point	cbc	bcc	cpr	cpr
	Bristol ...	cfbcf	bmbcmo	c_m o c	c_r o f_m o
	Portland Bill ...	bcbc	cbc	c	c
	Plymouth ...	cmo	bmob	b_c i_c i_c o	cbc
	The Lizard ...	cbc	cpre	c	cprbc
	Scilly (St. Mary's)	bcc	c	cpc	c_{po}
	Guernsey ...				
6	Pembroke ...	c			
7	Holyhead ...	vfgcpr.	cpro	c_p r_o b_c	cpr
	Chester (Sealand)	bcfmxmo	bccmopro	cprqmg	c_m p_{re}
8	Manchester ...	bcbbc	bcfcmx	p_s i_c	c
10	Spurn Head ...	bc	cmo	c	bcprbc
	Catterick ...	b, c	c	c_z b_c m_o	b
	Tynemouth ...	bcc	c	cbc	cbc
11	St. Abbs Head	c	cpr.	cq	cbcq
	Leuchars ...	bbc	c	abc	bc p_s b_w
12	Renfrew (Abbotsl.)	bmoxcmo	cmocbc	b_c, b_c	cbcy
	Eskdalemuir ...	bxbcc	c	cbcc	c
	Point of Ayre ...	bbcfx	bccbc	p_s c_o b_c	bc
13A	Tiree	bc	bcpr	bc	bc
13B	Stornoway ...	bccpr	cpr	c	cpr
15	Dalwhinnie ...				cbc
	Aberdeen ...	bcprc	cpr. c		
	Wick ...	bczo	bepro	b_o c_b c	b_c p_s p_c
16	Sumburgh ...	cpro	cpjbc	p_c s_p g_h	p_{sh} cbc
17	Blacksod Point	cpropr.	cprbcb	b_p p_c b	b_c b_b x
18	Malin Head ...	pr	pr	bc	pr
	Aldergrove ...	pr	pr	pr	c
19	Birr Castle ...	procbc	pro	p_s b_{cc} a_d c	d_d c_o b_c
20	Valentia Obsy.	bc	pr	*	bc
	Roches Point	bc	bc	bc	r

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

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

Moderate north wind, veering northeast temporarily. Occasional sleet or snow; local thunder, clear intervals. Cold; night frost locally.

Moderate north wind. Clear intervals, local wintry showers. Cold; night frost.

Moderate north to northeast wind, fresh locally, decreasing and backing. Bright intervals, wintry showers; cold; night frost.

Moderate north wind, decreasing and backing. Fair at first, light rain or sleet late in period. Cold with night frost; becoming milder later.

Moderate or fresh north-northeast wind, decreasing and

16 Orkneys and Shetlands	backing southwest. Bright intervals and local wintry showers at first; rain or sleet later. Cold with night frost, becoming milder later.
17 N. W. Ireland	
18 N. E. Ireland	Light or moderate northwest wind. Cloudy; occasional rain. Average temperature.
19 S. E. Ireland	As 12-14
20 S. W. Ireland	As 17

GENERAL INFERENCE

A depression over the Southern North Sea is probably moving south or south-southwest and a ridge of high pressure to north of Scotland is moving southeast slowly. A depression off northwest Iceland will move east-southeast. In the Southeast and East there will be some wintry precipitation. In the North there will be bright intervals and local wintry showers at first, but light rain and sleet is expected later.

FURTHER OUTLOOK

Cold temporarily in the South and Midlands with snow locally. Probably becoming milder in the North.

Forecasts issued at 1030 G.M.T.

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

7h. Friday 9th January 1942

LOW

HIGH

LOW

1020 1022 1024 1018 1016 1014 1012 1010

10° 5°W. 0° 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 ¼ mbs.

Dew Point °F

Bar. tendency

Low cloud

Weather in past hour

Past weather

Amount of Low cloud

Height of Low cloud

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 9th January,

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Friday 9th January 1942 — No. 29268

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

Dist. Acy.	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humid. %	Dew Point. °F.	Visibility. 0–9	Cloud. Form. Low.	Form. Med.	Form. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base. (feet)
			(1)	(2)	(3)	0–12 (4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1	London (Kew)	18	*	*	*	*	*	37	*	*	*	*	*	*	*	*	*
	Croydon ...	217	15·8	-28	WNW	3		36	82	34	4	5	-	-	4-6	10	1800
	S. Farnborough	226	15·9	-30	W'N	2	c/r	37	85	34	6	5	2	-	9	10	1600
	Boscombe Down	417	17·5	-30	WNW	3		38	85	35	7	5	-	-	9+	9+	2900
	Thorney Island	10	16·8	-30	WNW	3		36	82	32	5	5	-	-	10	10	3800
	Lympne ...	346	16·1	-26	NW	2	cf-	33	92	31	3	-	7	-	0	10	-
	Manston ...	154	14·6	-26	WNW	3	cf+	35	85	32	3	-	7	-	0	10	-
2	Shoeburyness ...	11	15·1	-28	NW'N	3	c	32	86	33	5	5	-	-	9+	9+	4000
	Felixstowe ...	15	13·7	-28	WNW	3		36	82	34	4	-	7	-	0	10	-
	Gorleston ...	5	13·5	-24	NNW	2		35	82	33	4	6	-	-	10	10	800
	Mildenhall ...	19	14·3	-22	WNW	2		35	87	34	4	5	-	-	10	10	1100
	Cranwell ...	240	14·4	-18	NW	3	c/r	38	82	36	4	5	-	-	10	10	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·0	-24	WNW	2	c/r	38	87	37	6	5	3	-	4-6	9+	1600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·0	-18	NW	4	c	45	85	39	8	8	-	-	9	9	1500
	Bristol ...	209	17·7	-26	W'N	3	c	40	85	35	7	5	3	-	4-6	9+	3500
	Portland Bill ...	32	18·8	-20	NW	4		43	82	41	7	5	7	-	4-6	10	2500
	Plymouth ...	82	21·0	-26	NNW	3	c/r	42	92	40	7	5	-	-	7-8	7-8	3000
	The Lizard ...	240	22·4	-16	NW	4	c	44	78	38	7	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	163	23·8	-14	NNW	4	c	46	75	38	8	8	-	-	10	10	1200
	Guernsey ...	175															
6	Pembroke ...	142	21·1	-10	NW'W	5	cq	45	85	40	8	8	6	-	4-6	7-8	2500
7	Holyhead ...	26	18·2	-24	NW'N	6	c	44	85	41	8	2	6	-	4-6	7-8	1500
	Chester (Sealand)	16	16·6	-22	NW'N	5	c/pr	43	92	41	6	3	-	3	7-8	9	2500
8	Manchester ...	235	15·7	-22	WNW	4	c/pr	40	87	38	4	5	7	-	4-6	4-6	2500
10	Spurn Head ...	29	13·2	-22	NW	4	c	39	92	36	7	6	-	-	9+	9+	1500
	Catterick ...	175	14·9	-12	NW	3	c	39	85	35	6	5	2	-	1	4-6	3000
	Tynemouth ...	108	16·0	-6	N	4	c	39	86	34	7	8	-	-	0	0	2500
11	St. Abbs Head	280	14·6	-10	NW	6	cq	39	75	32	7	6	4	-	4-6	7-8	2500
	Leuchars ...	36	16·6	-2	NW	2	bc	38	65	27	8	8	-	-	4-6	4-6	3500
12	Renfrew (Abbotsl.)	19	18·2	-2	NNE	4	c	39	65	28	8	5	-	-	9	9	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	17·4	-12	N	6	bc	45	75	38	8	4	4	-	2-3	2-3	2000
13A	Tiree	22	20·5	-8	N	4	c	42	78	35	8	8	3	-	4-6	7-8	2500
13B	Stornoway ...	80	21·0	-6	NNW	3	c	37	92	34	7	4	7	-	7-8	9+	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	119	17·0	-2	NNW	4	c/p	38	65	29	7	2	6	-	4-6	8	2500
16	Sumburgh ...	30	14·4	+6	N	5	b/pr	37	85	33	8	8	3	-	Tr	1	2500
17	Blacksod Point	18	24·8	-14	W	8	c	44	85	39	8	4	6	-	4-6	8	2500
18	Malin Head ...	84	21·0	-12	NNW	4	pr	44	85	40	7	9	-	-	8	9	800
	Aldergrove ...	268	20·1	-18	NW	3	dq	42	87	41	6	5	-	-	10	10	1400
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	26·4	-10	NNE	1	bc	38	87	37	8	6	-	-	4-6	4-6	2500
	Roches Point	22	24·8	-14	NNW	3	bc	41	92	38	8	5	3	-	2-3	4-6	2500

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

Dist. Acy.	Stations.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humid. %	Dew Point. °F.	Visibility. 0–9	Cloud. Form. Low.	Form. Med.	Form. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base (feet)	State of Ground. 0–9	Sea. 0–9
		(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
1	London (Kew)	11·9	-10	NNW	2		39	85	34	6	5	2	-	0	10	2500	1	*
	Croydon ...	12·8	-8	NW	2		37	87	37	4	5	2	-	9+	10	2000	1	*
	S. Farnborough	12·6	-16	NW'N	2		39	82	36	6	5	7	-	7-8	9+	3200	1	*
	Boscombe Down	14·1	-18	NW	3	c	39	82	37	7	5	-	-	10	10	2800	1	*
	Thorney Island	11·7	-20	WNW	2		39	82	36	6	5	-	-	4-6	4-6	4000	1	*
	Lympne ...	12·1	-14	NW	3		37	87	36	4	8	3	-	4-6	9+	4500	1	*
	Manston ...	10·4	-18	NW	4		38	85	34	5	5	-	-	9+	9+	4000	1	*
2	Shoeburyness ...	12·1	-10	NW	3	c	38	85	35	5	5	-	-	7-8	7-8	5500	1	*
	Felixstowe ...	10·4	-14	NW'N	4		36	85	32	4	5	-	-	7-8	7-8	5700	1	2
	Gorleston ...	09·9	-20	NNW	4		37	85	34	6	8	-	-	4-6	9	2500	1	3
	Mildenhall ...	11·2	-12	NW	4		34	85	31	6	8	3	-	4-6	4-6	4000	0	*
	Cranwell ...	12·5	-6	NW	4		34	75	30	6	-	3	-	0	2-3	-	3	*
3	Birmingham ...	14·2	-4	NW	4		37	85	35	4	5	-	-	9+	9+	2500	1	*
	Upper Heyford	13·6	-14	NW'N	4		36	87	35	6	5	-	-	9+	9+	4500	1	*
4	Ross-on-Wye	14·2	-10	NW	2	bc	40	75	33	8	5	-	-	4-6	4-6	3000	1	*
5	Hartland Point	17·0	-20	WNW	4	c/pr	44	75	36	8	8	4	-	7-8	7-8	1500	1	4
	Bristol ...	14·5	-14	N	3	c/r	40	82	37	6	5	3	-	2-3	7-8	2000	1	*
	Portland Bill ...	14·1	-28	NW	5	c	44	82	42	8	2	-	-	7-8	7-8	4000	1	4
	Plymouth ...	17·6	-18	NW	4	bc	44	85	39	8	8	-	-	4-6	4-6	4000	1	3
	The Lizard ...	18·7	-10	NW	4	bc	44	75	38	8	8	6	-	4-6	4-6	2000	1	4
	Scilly (St. Mary's)	20·8	-16	N'W	5	c/pr	45	75	38	8	8	6	3	4-6	7-8	1200	1	4
	Guernsey ...																	
6	Pembroke ...	18·1	-16	NW'W	6		44	92	42	8	6	6	-	7-8	9	2500	1	4
7	Holyhead ...	16·5	-6	NNE	5	c	42	75	34	8	8	6	-	7-8	9	2500	1	
	Chester (Sealand)	15·7	+2	NNW	3	bc	39	75	30	7	5	*	-	4-6	4-6	2500	1	*
8	Manchester ...	15·1	0	WNW	3	bc	33	85	30	6	1	-	-	4-6	4-6	5700	3	*
10	Spurn Head ...	10·5	-10	NW	5	bc	37	85	33	7	4	7	1	2-3	4-6	2500	1	4
	Catterick ...	13·2	-12	NNW	5	b	36	65	27	7	-	3	-	0	X	-	1	*
	Tynemouth ...	13·5	-6	N	5	bc	37	85	30	7	2	-	-	4-6	4-6	2500	1	4
11	St. Abbs Head	16·7	-12	NW	6	bcq	39	78	31	7	4	4	-	2-3	4-6	2500	0	3
	Leuchars ...	16·0	-2	NW	4	b	37	65	23	8	-	4	-	0	Tr	-	3	*
12	Renfrew (Abbotsl.)	18·1	0	N	4	bc	37	65	23	8	5	-	-	4-6	4-6	2800	1	*
	Eskdalemuir ...	15·9	-6	NW	4	c	39	65	18	8	5	-	-	9	9	1900	4	*
	Point of Ayre ...	17·0	-2	NE	4	c	41	65	30	8	8	3	-	4-6	9	4000	0	
13A	Tiree	20·0	-4	NNW	4	c	42	78	35	8	8	-	-	7-8	7-8	2500	0	4
13B	Stornoway ...	21·2	-2	NNW	3	c	37	85	32	7	5	7	-	7-8	9+	2000	1	
15	Dalwhinnie ...	17·6	-6	N	5	bc	32	85	28	8	8	-	-	4-6	4-6	2500	0	*
	Aberdeen ...	14·2	-2	NNW	5	bc/pr	36	85	32	8	8	-	-	2-3	2-3	1700	4	4
	Wick ...	17·8	+6	NW	4	bc	38	78	34	9	2	-	-	2-3	2-3	2500	1	*
16	Sumburgh ...	16·5	+10	NNE	3	b	35	85	31	8	8	-	-	1	1	2500	1	4
17	Blacksod Point	22·2	-10	W'N	3	c/pr	43	87	42	8	8	-	-	7-8	7-8	4000	1	3
18	Malin Head ...	20·5	-2	N	4	c	43	65	31	7	4	6	-	4-6	7-8	2500	1	5
	Aldergrove ...	19·7	-2	NE	1	bc	35	85	32	8	5	4	-	4-6	4-6	3000	1	*
19	Birr Castle ...	21·2	-14	NW	2	c	38	85	33	8	5	1	-	7-8	10	2500	1	
20	Valentia Obsy.	23·4	-14	WNW	3	c	46	75	37	8	8	*	-	7-8	7-8	2800	1	3
	Roches Point	22·3	-14	NW	4	bc	40	85	36	8	5	-	1	4-6	4-6	2500	1	

PAST 24 HOURS.

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

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 8th January				18h. G.M.T.			01h. G.M.T. 9th January				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	87	25848	29685	8-	25744	63784	3-	25853	31783	86	02754	32684	
115	54	02944	30487	57	81844	32486	57	25844	32487	57	02844	04487	
203				5-	02838	32528	5-	51838	32528				
206	5-	61887	24387	83	81865	30486	8-	02856	30386	8-	01854	28384	
210	87	81847	57488	5-	81746	53486	8-	28867	63587	86	01855	30585	
220	80	01845	18585	80	25646	28386				53	02753	29217	
230	8-	81846	27386	8-	01844	27384	8-	01854	32414	8-	02857	02217	
245	84	25965	23386	8-	02867	30487	50	51753	64453	50	00751	30451	
260	57	05557	22326	5-	41466	24146	50	01764	30224	5-	02765	28315	
278	84	01854	27415	84	25845	28485	80	00852	29682	80	00853	29403	
279	57	25662	22215	57	05653	24216	8-	25755	29385	5-	02763	30415	
285				23	02635	28526				10	01853	32403	
288	43	05671	18127	50	08464	22214	26	25553	30383	50	05563	27313	
575	86	01854	30485	40	01853	30483	50	00863	30303	52	51746	30468	
301	17	05651	28215	77	05553	28325	23	25752	62584	04	05690	31302	
321	03	08490	26215	07	08490	24323	5-	62657	29387	04	00790	63481	
299	8-	25635	25385	5-	05655	24215	5-	25743	24683	80	25774	32784	
292	84	02790	26215	57	01863	24213	03	01790	28413	50	00861	28511	
310	--	04443	26413							--	01642	32312	
614	00	05690	28203	01	08490	26228	50	08464	29314	04	05590	30311	

13h. G.M.T. 8th January				18h. G.M.T.			01h. G.M.T. 9th January				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-	61757	00017	8-	02746	28387	52	61865	65617	24	02870	02587	
334	--	02684	28215	--	25546	26287				--	03755	00026	
340	00	08490	00043	5-	61528	26168	96	25744	63384	5-	05667	31387	
136	8-	05655	29386	5-	05667	26327	5-	22468	26468	5-	25645	61586	
336	50	01753	04313	50	01754	28414				57	02754	28417	
350	00	05590	29301	07	08490	26124	5-	05638	25228	5-	05667	27387	
368				40	05562	24313	54	05644	24317	5-	61647	25367	
379	50	05552	32322	50	05554	30327	6-	25548	28388	53	02745	61487	
390	5-	81547	30387	57	45344	26386	57	67345	26368	53	08465	30468	
382	00	05690	29302	07	05590	24227	5-	05648	27328	5-	02647	28327	
438	10	01753	30413							61	03554	20268	
430	10	05631	32301	5-	05566	28316				5-	05656	27386	
409	57	01864	02314	53	25865	24542	5-	22757	30467	5-	62748	64468	

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
$C_L C_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew ...	bmkbc	cm bcm	bcc crg	Kew 24 hours ended 7h. Max. Time
Croydon ...	cg	cmcg	cfc mid	0·7 at 18h 30m
Greenwich ...	cbcmg	bcc cmg	crc mg	Min. Time
Camden Square	bc	bc		0·1 at 0h 0m
Kensington ...	bcc	cz		
Hampstead ...	bcsr	or	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	41	35	29	Tr	0·4	2·5	*	*
Croydon ...	40	34	29	-	0·1	*	*	*
Greenwich ...	40	34	28	-	0·3	1·5	83	70
Westminster ...	42	35	30		0·8		87	80
Regents Park ...								
Camden Square	40	35	30	-	0·8	*	*	75
Kensington ...	42	35	30	-	1		89	77
Hampstead ...	39	33	29	Tr	1		*	83

SECRET

Page 1

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

BRITISH SECTION

Saturday 10th January 1942

No. 2926 S

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	10·4	-18	NW	3	zo	39	55	25	6	-	5	8	0	2·3	-
	Croydon ...	10·8	-14	NW	4	zo	39	65	29	5	-	4	2	0	4·6	-
	S. Farnborough	11·4	-14	NNW	4	zo	33	56	26	6	-	-	-	0	0	-
	Boscombe Down	13·7	-4	NNW	4	b	38	55	24	8	-	-	-	0	0	-
	Thorney Island	11·5	-12	NW	3	b	40	75	34	7	1	-	-	Tr	Tr	4000
	Lympne ...	09·3	-26	NNW	5	zo	38	75	30	6	3	6	-	4·6	7·8	2500
	Manston ...	08·0	-20	NW	5	zo	37	75	31	6	8	6	-	9	9+	1800
2	Shoeburyness ...	09·6	-18	NW	4	bc	37	75	31	6	5	7	-	4·6	4·6	3500
	Felixstowe ...	08·5	-10	NW	4	bc	37	85	33	7	5	7	-	1	2·3	2500
	Gorleston ...	05·9	-30	NW'N	4	is	35	85	37	6	6	-	-	10	10	1000
	Mildenhall ...	08·7	-22	N'N	5	c	37	75	29	7	5	-	-	9+	9+	2500
	Cranwell ...	09·8	-20	N'W	5	c	38	75	30	7	5	-	-	7·8	7·8	2500
3	Birmingham ...	12·3	-14	NW	5	zo	37	55	22	6	-	-	-	0	0	-
	Upper Heyford	12·1	-16	NW	4	zo	36	65	27	5	-	4	-	0	Tr	-
4	Ross-on-Wye	14·2	-6	N'W	4	bc	35	55	22	8	7	-	-	2·3	2·3	3500
5	Hartland Point	15·3	-8	NNW	5	ir	44	65	34	8	8	6	-	4·6	7·8	1200
	Bristol ...	14·3	-6	NW'N	5	c	39	55	27	7	5	-	-	9+	9+	2500
	Portland Bill ...	13·5	-8	N	4	bc	41	85	36	8	1	-	-	4·6	4·6	2500
	Plymouth ...	15·9	-12	N'N	5	pr	44	75	38	8	8	-	-	9	9	2000
	The Lizard ...	17·0	-8	NNW	5	s/pr	46	85	42	8	8	2	-	7·8	9	1500
	Scilly (St. Mary's)	18·0	-20	N'W	5	c	46	75	39	8	8	6	2	4·6	9+	1500
	Guernsey ...															
6	Pembroke ...	16·8	-8	NNW	5	s/r	43	85	38	8	8	3	-	4·6	7·8	2500
7	Holyhead ...	16·2	-6		4	bc	42	65	33	8	1	4	-	2·3	2·3	3000
	Chester (Sealand)	14·5	-14	NNW	5	b	40	55	25	9	1	4	-	Tr	1	4000
8	Manchester ...	14·0	-12	NNW	4	zo	38	65	27	6	4	-	-	4·6	4·6	3500
10	Spurn Head ...	06·7	-18	NW	7	PRS	36	97	35	6	8	6	1	4·6	9+	800
	Catterick ...	12·8	+2	NNW	5	ps	37	85	32	7	9	-	-	4·6	9	800
	Tynemouth ...	11·9	-2	NNE	6	s/ps	39	85	35	7	8	-	-	7·8	7·8	2800
11	St. Abbs Head	14·4	+18	NW	7	s/r	39	92	36	8	8	4	-	4·6	7·8	2500
	Leuchars ...	16·8	+10	N	3	bc	39	65	30	8	8	-	-	4·6	4·6	3500
12	Renfrew (Abbotsl.)	18·7	0	NNE	4	b	39	55	34	9	1	-	-	Tr	Tr	3500
	Eskdalemuir ...	15·5	+2	N'W	6	bc	36	65	26	8	5	-	-	Tr	Tr	3800
	Point of Ayre ...	17·3	0	N'E	5	b	40	65	29	8	-	4	5	0	1	-
13A	Tiree	20·5	+6	NNE	2	c	42	75	32	9	5	-	-	9	9	3500
13B	Stornoway ...	22·1	+8	NNW	3	c	38	85	33	8	5	7	-	7·8	9+	2500
15	Dalwhinnie ...	20·3	+4	NNE	4	c	33	75	26	8	8	4	-	7·8	9+	4000
	Aberdeen ...	17·5	+14	N'W	3	pr	40	85	35	7	3	-	-	7·8	7·8	1800
	Wick ...	19·3	+6	N	3	bc	39	75	32	8	2	-	-	4·6	4·6	3500
16	Sumburgh ...	19·3	+14	NE	2	bc	38	75	33	8	8	-	2	2·3	4·6	2500
17	Blacksod Point	20·6	-10	WNW	2	c	46	85	42	8	-	7	-	0	9	-
18	Malin Head ...	20·4	0	N	4	c	43	65	33	8	9	-	-	9	9	5700
	Aldergrove ...	19·4	-4	N	3	c	40	65	30	8	5	-	6	7·8	9	3500
19	Birr Castle ...	20·2	-6	WNW	1	c	41	92	39	8	5	1	-	7·8	10	2500
20	Valentia Obsy.	20·8	-22	NNE	2	s/r	46	85	42	9	5	7	-	Tr	9+	2500
	Roches Point	19·7	-16	N'W	4	bc	46	85	42	8	2	3	-	2·3	4·6	2500

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

Barom. at M.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)
09·7	-2	NNW	4	iro	39	75	30	6	5	-	-	7·8	7·8	1500	1	*
09·0	-10	NW	5	s/s	37	75	29	5	5	-	-	10	10	2500	1	*
10·2	-4	NW'N	3	zo	38	65	27	6	5	-	-	10	10	3500	1	*
13·0	-2	NW'N	4	zo	36	65	26	6	5	-	-	9	9	3000	1	*
11·1	-2	NW	4	c	38	75	30	7	5	-	-	9+	9+	4300	1	*
07·8	-10	iro	WNW	6	36	85	32	6	8	-	-	4·6	4·6	1900	1	§
06·4	-4	NW	5	s/pr	37	85	33	6	5	-	2	10	10	1500	1	*
08·5	-2	NW	4	rs	37	85	33	6	5	-	-	10	10	2300	1	*
06·7	+6	N'W	4	s/r	37	85	33	7	5	-	-	7·8	7·8	1100	1	4
07·0	+20	NE	5	zo	39	85	35	6	8	-	-	4·6	4·6	1500	1	3
08·8	+8	NNW	4	PR	37	97	35	6	8	-	-	7·8	7·8	800	1	*
11·6	+22	NNW	4	zo	35	92	33	6	5	-	-	2·3	2·3	1500	1	*
12·8	+4	NNW	4	zo	36	75	29	6	5	-	-	10	10	2500	1	*
11·7	+2	NNW	5	zo	36	75	28	6	5	-	-	7·8	7·8	2500	3	*
13·9	0	NNW	4	bc	37	65	27	8	5	-	-	2·3	2·3	3000	1	*
15·2	+4	N	5	bc	41	65	30	8	2	4	1	2·3	4·6	1500	1	5
14·0	+2	NNE	5	zo	38	65	28	6	5	-	-	9+	9+	3800	1	*
13·6	+4	NNW	4	bc	39	85	36	8	4	-	-	2·3	2·3	4000	1	
15·6	+6	NNE	3	zo	40	65	29	6	5	-	1	Tr	1	5700	1	
15·5	0	N'W	4	c	42	85	37	8	8	-	-	7·8	7·8	2000	1	
16·6	-4	N'E	5	s/pr	45	85	42	8	8	6	-	7·8	9	1500	1	
17·0	+2	NNE	3	bc	39	75	32	8	8	4	-	2·3	4·6	2500	1	3
17·0	+4	NNE	5	bc	39	55	31	8	8	-	-	2·3	2·3	3000	1	3
15·5	+8	N'W	5	zo	38	65	28	6	5	-	-	1	1	3000	0	*
14·5	+2	NW	4	zo	37	85	33	5	5	-	-	10	10	3000	1	*
09·7	+16	NNE	5	bc	39	92	36	7	4	-	-	4·6	4·6	2500	1	5
13·1	+16	NNW	3	pr	38	85	33	6	8	-	-	10	10	2200	1	*
15·0	+22	NNW	6	s/pr	42	92	40	7	2	3	-	4·6	7·8	2400	1	5
17·1	+14	N	5	cq	40	92	38	7	8	4	-	4·6	7·8	1500	1	4
19·7	+18	N	1	b	36	85	33	8	5	-	-	1	1	4000	1	*
20·6	+18	WSW	2	b	33	75	27	8	1	-	-	Tr	Tr	4000	1	*
18·2	+14	NNE	4	bc	34	85	28	8	5	-	-	1	1	2200	3	*
18·4	+10	NE	5	b	40	75	32	8	4	4	-	Tr	1	3500	0	4
22·0	+12	NNE	2	bc	39	65	28	9	5	4	-	2·3	4·6	3500	0	3
23·2	+6	NW	3	c	35	92	34	8	5	7	-	4·6	9	2500	1	1
23·2	+8	N	1	c	30	85	25	8	8	-	-	4·6	4·6	4000	0	*
20·3	+20	N'W	3	bc	37	85	31	6	3	-	-	2·3	2·3	1800	1	3
21·8	+18	N	1	s/rs	36	92	33	8	9	-	-	7·8	7·8	1500	1	*
21·9	+22	ENE	2	bc	39	65	26	9	4	-	-	2·3	2·3	2500	1	2
21·9	+14	NE	4	ro/ro	43	97	42	7	6	-	-	10	10	1500	1	4
21·9	+14	NNE	4	c	41	55	27	8	9	-	2	4·6	4·6	5700	1	4
21·1	+10	NE	1	bc	32	85	27	7	-	4	6	0	4·6	-	1	*
20·6	+14	WNW	1	bc	39	85	35	8	5	-	-	4·6	4·6	2500	1	1
20·7	+10	NE'E	3	iro	44	92	42	8	5	7	-	4·6	10	2500	1	2
19·5	+8	NNE	3	s/pr	44	85	40	8	8	-	-	9	9	1500	1	

PAST 24 HOURS.

Weather. 7h.–13h. 9th (39)	Weather. 13h.–18h. 9th (40)	Weather. 18h. 9th to 1h. 10th (41)	Weather. 1h.–7h. 10th (42)
bczoby	irozo	bcrosob	bbcczo
cmbczo	czeiso	cmcro	cmozo
irozoby	bzoybcc	czomocc	cmoc
bcb	bcb,c	ccmoc	c
bcwmocb	bbcc	bcmoc	cproc
bbcmozo	bccpso	cmopro	cmoprozo
c, bczo, ps	czoprovm	phoprcmo	crcmo
cmocbcmo		cmobbcmo	bccmoc
irbsopsbc	crosoiro	ciropromo	cmo
cphps	cpspros	bcporcq	cbccq
cpsobcc	cmocpr	cmopro	cmoiroc
bmoc	cpro	cp mo	cmo
cbz	cz	c	c
cbzo	bczoczo	cprmocmo	cmo
cbcc	bybcc	c	cczo
cpro	crbc	bcc	cbcc
bccmozo	bbccmo	cbcmo	cmo
c	bcbc	bcbc	bcc
cpro	cprobc	bmo	bc
bcprc		bc	bcx
cpoc		bccpqc	c
cir	bcir	bcc	bcb
cporc	bcy	bcb cc	bccbx
czob	bzo	bcbmox	bmox
bmzo	bczocmo	bcbmo	bmobcmox
cqprs	bc	c	o
bcpso	psopromo	cprobmo	bbmov
bccps	cpr	c	coiro
rscqr	cqirocq	bcpr	horc
bcby	bcb	b	bbx
cbcyb	bcpsob	bmombc	cbcbm
cbcyb	bczocmo	b	bbcb
c	bc	bc	bcb
c	c	c	cbc
bcc	c	*	cbc
bccpr	bczo	bczopro	b,croho
cporbc	bcproso	c, bbc	bcb
bbc	bcb	porbcb	b,bcbcx
c	r	bc	c
c	c	c	b
cproc	cbc	bcmobx	bcxbx
c	bc	*	b
pr	r	r	b
bc	pr	bc	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 10th January

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate northeast winds, fresh locally at first. Mainly cloudy, with slight, local, snow flurries. Some bright intervals; cold with frost locally at night.
4 W. Midlands 5 S.W. England	Light northeast to variable wind. Fine but local fog developing during the night. Cold with hard frost at night.
6 South Wales	As 1-3
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	As 4
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light variable wind, becoming west-southwest and freshening. Fair at first, becoming cloudy later with occasional slight rain. Cold, becoming somewhat milder.
16 Orkneys and Shetlands 17 N.W. Ireland	As 13A - 15
18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light variable winds. Fair; cold with frost at night.

GENERAL INFERENCE

A ridge of high pressure extending across Ireland and Scotland is moving southeastwards. Weather will be generally fair though with much cloud in eastern and Midland districts of England, with slight local snow flurries. Later there will be some slight rain in Northwest and North Scotland. It will be cold generally, with frost in many places at night, and with hard frost over Southern Scotland and Northern England. It will become somewhat milder in North and Northwest Scotland later.

FURTHER OUTLOOK Fine and cold in the South; cloudy and milder with occasional rain in the extreme North.

Forecasts issued at 1030. G.M.T.

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

7h. Saturday 10th. January 1942

LOW

HIGH

LOW

1018 1020 1022 1024 1026

1022 1020 1024

10° 5°W. 0° 5°E.

60° 55° 50°

STATION MODEL

High Cloud

Medium cloud

Temperature °F

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

Height of Low cloud

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Bar. tendency

Weather in past hour

Past weather

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 10th January.

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ◯ Clear sky. ◔ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. ○ Rain falling. ✱ Snow. ⁜ Sleet. △ Hail. Fog. ≡ Mist. ≡ Thunder. (Σ) Thunderstorm. ℨ Slight haze. ∞

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

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

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

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

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

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

Page 4. BRITISH SECTION

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

Saturday 10th January 1942

No. 29269

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

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	*	*	*	*	*	36	*	*	*	*	*	*	*	*	*
	Croydon	217	14.0	+22	N'E	5	z0	35	97	34	5	5	-	-	4.6	9	1700
	S. Farnborough	226	13.9	+10	N	3	z0	36	85	32	6	5	-	-	7.8	7.8	1200
	Boscombe Down	417	16.0	+16	N'W	4	o	36	85	32	7	5	-	-	10	10	2100
	Thorney Island	10	14.4	+22	N	3	bc	38	85	34	7	5	-	-	4.6	1	700
	Lympne	346	13.1	+26	N	2	pr	35	97	34	6	2	-	-	9+	9+	1500
	Manston	154	12.7	+6	NE'E	4	c/pr	38	85	34	6	8	-	-	9	9	2500
2	Shoeburyness	11	14.1	+28	N'W	4	c	36	92	33	6	1	-	-	7.8	7.8	1500
	Felixstowe	15	14.6	+36	NE	4	z0	38	85	32	5	5	-	-	10	10	1500
	Gorleston	5	15.9	+38	NE'E	6	z0	37	65	27	5	9	-	-	10	10	1500
	Mildenhall	19	16.1	+34	NE	4	ir0	37	85	33	6	5	-	-	10	10	1400
	Cranwell	240	18.7	+38	NNE	3	z0	36	85	32	6	5	-	-	10	10	3800
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16.4	+10	N	4	z0	35	92	33	6	5	-	-	10	10	1600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17.5	+4	NE	5	c	42	75	35	8	4	-	-	9	9	2500
	Bristol	209	17.5	+16	NNE	4	z0	38	85	34	5	5	3	-	2.3	4.6	2500
	Portland Bill	32	14.7	+6	NNW	4	bc	39	92	37	8	5	-	-	4.6	4.6	4000
	Plymouth	82	17.8	+2	NE	3	b	36	75	29	7	5	-	-	1	1	3000
	The Lizard	240	18.1	+8	N'E	4	bc	36	75	29	8	8	-	-	2.3	2.3	2000
	Scilly (St. Mary's)	163	18.5	+4	NE'N	5	c	43	75	40	8	8	-	-	7.8	7.8	1500
	Guernsey	175															
6	Pembroke	142	15.8	+4	NE'N	4	c	40	85	36	8	2	6	-	4.6	7.8	4000
7	Holyhead	26	20.9	+14	NE'N	5	c	40	85	35	7	5	-	-	9	9	2300
	Chester (Sealand)	16	21.0	+26	W'N	3	z0	33	85	30	5	-	-	-	0	0	-
8	Manchester	235	20.3	+26	NE	3	z0	36	85	30	6	5	-	-	1	1	3000
10	Spurn Head	29	18.8	+32	ENE	5	c	39	75	32	7	5	2	-	7.8	10	1500
	Catterick	175	21.8	+22	N	2	z0	35	85	31	6	5	-	-	Tr	Tr	3000
	Tynemouth	108	22.6	+20	N	3	c	40	75	33	7	5	-	-	9	9	2500
11	St. Abbs Head	280	21.9	+20	NNE	4	bc/pr	40	85	39	7	8	4	-	2.3	4.6	1500
	Leuchars	36	23.9	+10	NW	1	b	34	85	30	7	5	-	-	1	1	3000
12	Renfrew (Abbots I.)	19	24.3	+10	NW	2	bc	30	75	23	7	5	4	8	1	4.6	4000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	22.7	+16	NE'E	4	b	39	85	35	8	4	-	-	1	1	1800
13A	Tiree	22	24.4	+6	-	0	bc	37	85	33	9	5	4	-	2.3	4.6	3500
13B	Stornoway	80	24.6	+4	WNW	2	c	37	85	33	7	5	7	-	7.8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	33	*	*	*	*	*	*	*	*	*
	Wick	119	25.1	+14	WNW	2	bc	30	85	27	8	2	-	-	2.3	2.3	2000
16	Sumburgh	30	24.6	+6	-	0	b	36	85	32	8	5	-	-	1	1	3500
17	Blacksod Point	18	25.6	+16	-	0	bc	40	92	38	8	4	-	-	2.3	2.3	4000
18	Malin Head	84	24.6	+10	NE	2	c	40	65	30	8	8	-	-	7.8	7.8	4000
	Aldergrove	268	24.7	+12	-	0	c	27	85	24	8	5	4	2	1	7.8	4500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24.6	+20	NE'E	3	bc	41	75	34	8	5	-	-	2.3	2.3	2500
	Roches Point	22	23.2	+12	NE'N	3	bc	40	75	28	8	5	-	-	2.3	2.3	2500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
1	London (Kew)	21.0	+30	NE	5	z0	34	55	19	6	5	-	-	9+	9+	2500	1	*
	Croydon	20.1	+30	NE'N	5	z0	33	65	23	5	5	-	-	9+	9+	4000	1	*
	S. Farnborough	21.0	+34	NE	4	c	35	65	24	7	5	-	-	9+	9+	3800	1	*
	Boscombe Down	21.8	+28	N'W	2	c	32	85		7	5	-	-	9+	9+	4000	1	*
	Thorney Island	19.8	+30	NNE	4	c	36	65	26	6	5	-	-	10	10	3500	1	*
	Lympne	19.1	+30	NE	4	z0	33	65	25	6	5	-	-	10	10	1800	1	§
	Manston	19.2	+30	NE	5	z0	34	65		6	5	-	-	10	10	3100	1	*
2	Shoeburyness	20.5	+26	NNE	4	c	34	65	22	7	5	-	-	9+	9+	3500	1	*
	Felixstowe	20.9	+32	NE	5	z0	34	75	29	6	5	-	-	9+	9+	3500	3	3
	Gorleston	21.3	+36	ENE	5	c	36	65	24	7	8	-	-	9+	9+	1500	1	5
	Mildenhall	21.9	+24	NE	2	c	33	75	26	7	5	-	-	10	10	3600	1	*
	Cranwell	23.1	+18	NNE	3	z0	35	75	27	6	5	-	-	9+	10	4000	1	*
3	Birmingham	23.6	+18	N	2	z0	33	75	26	4	5	-	-	10	10	1500	1	*
	Upper Heyford	21.9	+22	NNE	2	z0	34	85	29	6	5	-	-	10	10	3500	1	*
4	Ross-on-Wye	22.7	+14	N	3	z0	38	75	28	6	5	-	-	10	10	3000	1	*
5	Hartland Point	21.5	+18	NE	4	c	40	75	32	8	5	-	-	9+	9+	2500	1	4
	Bristol	22.2	+22	NE'N	4	z0	35	85	31	5	5	3	-	4.6	10	3500	1	*
	Portland Bill	20.2	+18	NNE	4	c	37	92	34	7	5	-	-	7.8	7.8	4000	1	4
	Plymouth	21.4	+22	NNE	4	bc	38	75	30	6	5	-	-	4.6	4.6	3000	3	3
	The Lizard	21.0	+16	NNE	4	bc	37	75	32	8	8	-	-	4.6	4.6	2000	0	3
	Scilly (St. Mary's)	21.1	+8	NE	5	c	44	65	32	8	8	6	-	7.8	9+	1300	1	
	Guernsey																	
6	Pembroke	23.5	+14	NE'E	4	bc	38	75	31	8	1	-	-	Tr	Tr	4000	1	2
7	Holyhead	23.9	+10	NNE	3	bc	37	85	32	7	2	-	-	2.3	2.3	3000	1	
	Chester (Sealand)	24.2	+14	NW	2	m	38	85	24	4	-	4	2	0	Tr	-	3	*
8	Manchester	24.7	+22	-	0	z0	31	85	27	6	5	3	-	2.3	7.8	2500	3	*
10	Spurn Head	23.2	+18	NE	3	o	40	55	28	7	6	-	-	10	10	1500	1	3
	Catterick	25.2	+14	N	1	z0	31	92	30	6	5	3	-	4.6	4.6	3500	1	*
	Tynemouth	24.4	+10	N	3	%r	36	92	33	6	-	2	-	10	10	1500	1	4
11	St. Abbs Head	24.8	+14	N	2	%pr	39	75	32	7	8	4	-	4.6	7.8	2500	1	3
	Leuchars	26.1	+8	-	0	bc	30	92	28	8	-	3	-	0	2.3	-	3	*
12	Renfrew (Abbots I.)	26.4	+6	SW	1	m	28	85	23	4	5	-	-	Tr	Tr	3500	3	*
	Eskdalemuir	26.3	+10	N'E	1	c	31	85	28	8	5	-	-	7.8	7.8	1800	8	*
	Point of Ayre	25.2	+10	E'N	3	b	38	85	33	8	1	-	-	1	1	2000	0	3
13A	Tiree	24.8	+4	-	0	b	32	92	28	9	-	4	-	0	1	-	0	2
13B	Stornoway	25.8	+2	WSW	1	bc	33	85	28	7	5	4	-	1	2.3	2500	1	1
15	Dalwhinnie	27.5	+6	W	1	bc	21	75	13	8	2	-	-	Tr	Tr	2500	3	*
	Aberdeen	26.6	+14	NW	3	bc	34	85	30	7	5	-	-	2.3	2.3	2200	3	2
	Wick	26.3	+4	W	1	b	30	92	28	9	5	3	-	Tr	1	2500	3	*
16	Sumburgh	25.5	+4	-	0	bc	37	75	30	8	5	3	-	4.6	4.6	4000	5	*
17	Blacksod Point	25.8	+2	-	0	c	41	85	37	8	5	-	-	9+	9+	2500	0	2
18	Malin Head	25.8	+4	S	1	b	33	75	26	8	-	-	-	0	0	-	0	3
	Aldergrove	26.5	+2	ESE	1	b	26	92	24	8	-	-	-	0	0	-	3	*
19	Birr Castle	25.5	-2	NW	1	b	25	92	23	8	-	-	-	0	0	-	1	
20	Valentia Obsy.	25.5	0	E'S	3	b	35	75	27	8	-	-	-	0	0	-	3	3
	Roches Point	25.1	+6	NE'N	3	b	33	85	29	8	-	-	-	0	0	-	1	

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 9th Hrs. (38)
1	London (Kew)	39	34	30	Tr	Tr	3.3
	Croydon	39	33	31	Tr	0.1	0.0
	S. Farnborough	39	35	32	Tr	-	3.8
	Boscombe Down	39	32	26	Tr	-	5.6
	Thorney Island	41	35	33	-	Tr	*
	Lympne	39	33	30	Tr	2	5.9
	Manston	39	33	30	-	2	2.7
2	Shoeburyness	39	33	29	Tr	Tr	1.8
	Felixstowe	39	33	30	0.1	0.6	4.1
	Gorleston	39	34	21	7	0.6	6.6
	Mildenhall	38	33	28	1	1	0.6
	Cranwell	38	34	32	Tr	0.4	4.1
3	Birmingham	38	32	28	-	-	5.6
	Upper Heyford	37	34	31	-	Tr	*
4	Ross-on-Wye	40	34	32	-	Tr	5.0
5	Hartland Point	46	39	36	0.5	-	0.4
	Bristol	41	34	33	-	-	3.9
	Portland Bill	45	36	*	-	-	*
	Plymouth	45	35	28	0.6	-	0.8
	The Lizard	46	35	*	2	-	2.3
	Scilly (St. Mary's)	47	42	*	1	-	1.1
	Guernsey						
6	Pembroke	44	35	*	2	-	0.5
7	Holyhead	43	36	30	Tr	-	*
	Chester (Sealand)	40	27	22	-	-	6.1
8	Manchester	38	33	21	-	-	*
10	Spurn Head	40	37	*	0.5	-	2.2
	Catterick	38	31	*	1	0.1	*
	Tynemouth	42	46	33	2	0.2	*
11	St. Abbs Head	40	38	*	2	Tr	*
	Leuchars	40	30	19	-	-	2.7
12	Renfrew (Abbots I.)	42	26	19	-	-	5.9
	Eskdalemuir	37	27	19	Tr	0.6	6.0
	Point of Ayre	41	37	*	-	-	5.7
13A	Tiree	46	32	*	-	-	0.0
13B	Stornoway	39	31	*	-	-	0.0
15	Dalwhinnie	33	21	15	-	-	0.0
	Aberdeen	40	31	27	1	0.1	2.1
	Wick	40	20	27	1	1	*
16	Sumburgh	40	34	22	Tr	0.3	2.1
17	Blacksod Point	47	35	*	1	0.2	*
18	Malin Head	44	42	31	0.2	-	0.0
	Aldergrove	40	24	20	Tr	-	0.9
19	Birr Castle	43	24	20	-	-	*
20	Valentia Obsy.	46	33	26	1	Tr	*
	Roches Point	47	44	*	Tr	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 9th January ... 18h. G.M.T. — 01h. G.M.T. 10th January ... 07h. G.M.T.

III	13h $C_L C_M$	13h $wwVhN_h$	13h DDFWN	18h $C_L C_M$	18h $wwVhN_h$	18h DDFWN	01h $C_L C_M$	01h $wwVhN_h$	01h DDFWN	07h $C_L C_M$	07h $wwVhN_h$	07h DDFWN
109				8-	10854	03214	40	00852	24102	57	00862	21303
115							52	81834	12387	84	02844	16285
203							5-	01954	04314	50	00342	12212
206	8-	01865	32215	80	00863	32213	5-	01864	00014	5-	01853	00013
210	8-	01844	65414	8-	27855	30385	8-	27854	20284	57	01861	00084
220	53	01954	29216	50	01753	30203				50	01853	00003
230	53	01964	32114	50	00861	04201	50	00762	00002	00	00790	08100
245	36	25752	30483	86	00851	32382	50	00861	31201	80	01757	01107
260				50	01763	32113	50	01764	00014	73	0*753	00003
278	53	00971	31401	00	00820	30301	04	00890	32301	00	00890	04100
279	40	00762	30302	40	00863	30403	50	00862	30202	50	*0862	314*2
285	2-	83647	30587	3-	26637	32587				23	83634	28385
288	96	27634	61484	2-	81647	65687	00	05653	03213	53	26655	22188
575	57	02864	32127	57	02755	32127	50	00762	32112	00	00790	00000
301	54	05663	30414	50	05552	02302	50	00752	32202	5-	47265	32105
321				5-	25651	64581	53	05664	32385	53	05583	01223
299				80	25635	30785	8-	02746	01616	80	02745	07415
292				3-	81644	30484	50	00763	32313	53	05662	26214
310	--	01644	32514	--	02636	32526				--	01644	32314
614				40	81653	31513	4-	24655	02585	03	05690	04304
333	8-	02356	32426	5-	01855	32415	50	00861	02411	50	01853	02203
334				--	01654	02314				--	00780	00001
340	04	00790	28312	07	05690	30314	00	05590	32350	03	05590	30216
136							8-	02866	04488	5-	02868	06328
336	57	02635	28327	57	02754	04428				50	05543	04313
350	03	05690	27401				5-	05668	02588	5-	05667	04327
368	8-	02866	32416	10	00861	32301	50	00853	32203	50	01654	03314
379	00	05690	61410	5-	05647	63627	5-	05648	35528	5-	05658	02328
390	53	05573	26513	5-	68548	65588	5-	25545	02488	5-	04427	21232
382							5-	05647	32427	5-	05668	01328
438	50	01553	32313									
430				5-	05666	61586	50	05642	01512	5-	02768	03418
409				5-	25846	32586	5-	02855	34425	5-	02767	05317

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
$C_L C_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

LONDON OBSERVATIONS

For the 24 hours ending morning of 10th January
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	bcz0by	ir0z0	bcr0s0bc
Croydon	cmbcz0	cz0is0	cmir0z0
Greenwich	bcm0	bcrsm0	r0s0bcy
Camden Square	bc	bc	*
Kensington	c	bc	*
Hampstead	bc	cdx	c

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0.2 Time 15–17h on 9th. Min. <0.1 Time 4–5h on 10th.

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	39	34	30	Tr	Tr	3.3	*	*
Croydon	39	33	31	Tr	0.1	0.0	*	*
Greenwich	39	32	28	0.3	Tr	0.6	59	55
Westminster	41	34	31		-		71	64
Regents Park								
Camden Square	40	33	29	Tr	Tr	*	*	66
Kensington	40	33	30	-	-		67	62
Hampstead	38	33	30	-	Tr		*	80

SECRET

Page 1

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

Sunday 11th January 1942 — No. 29,270

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

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)	28.6	+6	NE	4		37	55	22	5	8	-	1	9	9+	1500
	Croydon ...	28.2	+6	NE	3		35	65	35	6	2	-	-	2-3	4-6	2500
	S. Farnborough	28.6	+2	NE	3		37	55	23	6	5	-	-	1	1	5000
	Boscombe Down	28.8	-4	NE	3		35	65	24	7	4	-	-	1	1	5000
	Thorney Island	22.7	+4	NE	3		37	65	29	5	7	-	-	4-6	4-6	2500
	Lympne ...	22.2	+8	NE	4		34	65	23	8	1	-	-	2-3	2-3	4000
	Manston ...	22.4	+10	NE	4		35	65	25	8	1	-	-	4-6	4-6	3500
2	Shoeburyness ...	28.1	+10	NE	4	c	36	65	26	8	5	-	-	7-8	7-8	3100
	Felixstowe ...	28.4	+12	NE	5		36	55	23	8	7	-	-	2-3	2-3	3000
	Gorleston ...	28.6	+18	E	5		36	65	33	7	8	*	-	2-3	2-3	2500
	Mildenhall ...	24.3	+6	NE	3	c	36	85	32	7	8	6	-	4-6	8	4000
	Cranwell ...	25.1	0	NE	2	c	37	75	29	7	5	3	-	4-6	8	5000
3	Birmingham ...	24.7	+2	NE	2		36	65	26	4	5	-	-	2-3	2-3	2500
	Upper Heyford	24.2	+2	NE	2		37	65	27	6	5	3	1	2-3	4-6	4500
4	Ross-on-Wye	24.8	+4	NE	2		36	65	27	5	1	-	-	Tr	Tr	3000
5	Hartland Point	23.8	+4	NE	4		38	85	24	7	2	-	-	4-6	4-6	2400
	Bristol ...	24.6	0	NE	3		36	75	29	6	5	3	-	4-6	7-8	3500
	Portland Bill ...	22.5	+6	NE	4	c	36	85	33	8	2	4	-	4-6	7-8	4000
	Plymouth ...	24.1	+2	NE	4		38	85	25	6	2	-	-	7-8	7-8	3000
	The Lizard ...	23.6	-6	NE	4		41	65	32	7	8	6	-	4-6	4-6	3000
	Scilly (St. Mary's)	23.8	+4	NE	4		41	65	32	7	5	-	-	4-6	4-6	1800
	Guernsey ...															
6	Pembroke ...	26.1	-2	E	4		39	75	31	7	-	3	-	0	1	-
7	Holyhead ...	25.6	+2	E	2		42	65	32	8	-	4	-	0	Tr	-
	Chester (Sealand)	25.8	-2	NE	-		38	65	29	5	5	-	+	Tr	Tr	4000
8	Manchester ...	26.2	-2	-	0		32	85	35	2	5	-	-	2-3	2-3	4000
10	Spurn Head ...	24.0	0	E	3	c	39	75	32	7	2	6	-	4-6	7-8	2500
	Catterick ...	26.2	-6	NE	1		35	85	32	4	5	-	-	7-8	9+	2000
	Tynemouth ...	26.3	-4	NE	2	c	39	85	34	6	5	-	-	9+	9+	2000
11	St. Abbs Head	25.9	+2	NW	3	c	37	92	34	8	8	7	-	4-6	7-8	2500
	Leuchars ...	26.6	+4	WSW	2		35	85	26	6	2	3	-	Tr	4-6	2500
12	Renfrew (Abbotsl.)	27.1	-6	-	0	bf	28	92	26	2	-	-	-	0	0	-
	Eskdalemuir ...	26.2	-2	NE	2	b	36	75	29	8	5	4	-	Tr	1	2800
	Point of Ayre ...	26.4	0	E	2	bc	40	85	35	8	1	-	-	2-3	2-3	2000
13A	Tiree	25.0	0	S	1	bc	41	85	35	9	5	-	-	2-3	2-3	3500
13B	Stornoway ...	26.0	0	SSW	4	bc	41	85	37	8	1	-	-	2-3	4-6	2500
15	Dalwhinnie ...	27.5	-2	SW	1	b	35	75	29	8	1	-	-	Tr	Tr	4000
	Aberdeen ...	26.6	-4	NW	2	bc	34	87	33	6	5	-	-	2-3	2-3	3200
	Wick ...	26.4	-2	SW	1	bc	36	85	32	9	8	-	8	1	2-3	4500
16	Sumburgh ...	25.5	-2	SW	2	c/pr	41	75	34	9	5	3	-	7-8	9	4000
17	Blacksod Point	25.8	-2	ESE	3	pr	43	75	36	8	-	5	9	0	4-6	-
18	Malin Head ...	26.3	0	S	2	bc	40	65	30	8	2	-	-	2-3	2-3	5700
	Aldergrove ...	27.1	0	-	0		38	75	31	5	1	-	1	Tr	Tr	3000
19	Birr Castle ...	26.8	+2	W	1	b	35	75	28	8	-	-	-	0	0	-
20	Valentia Obsy.	26.0	+2	NE	2	c	40	75	33	9	7	-	9	Tr	7-8	2500
	Roches Point	25.9	+2	NE	3	b	42	75	35	8	1	-	-	1	1	4000

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

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)	25.7	+2	NE	2		32	65	22	5	-	-	-	0	0	-	1	*
	Croydon ...	25.3	+1	NE	3		30	65	20	5	-	-	-	0	0	-	1	*
	S. Farnborough	25.4	+12	NE	3		33	65	25	5	5	-	-	4-6	4-6	3000	1	*
	Boscombe Down	25.4	+12	NE	2		32	97	31	6	5	-	-	10	10	-	1	*
	Thorney Island	24.4	+18	NE	4		33	75	25	6	5	-	-	Tr	Tr	4000	1	*
	Lympne ...	24.3	+12	NE	2		29	75	21	7	4	-	-	2-3	2-3	4000	3	4
	Manston ...	24.7	+14	NE	3	c	33	65	24	7	4	-	-	4-6	4-6	3400	1	*
2	Shoeburyness ...	25.2	+6	NE	3	c	32	85	27	8	5	+	-	9	9	3500	1	*
	Felixstowe ...	25.6	+10	NE	4		33	55	27	8	4	-	-	2-3	2-3	2800	3	4
	Gorleston ...	27.2	+12	E	4		35	75	26	7	-	-	-	2-3	2-3	2000	0	5
	Mildenhall ...	26.7	+16	NE	2	b	29	85	25	7	-	-	-	0	0	-	3	*
	Cranwell ...	26.8	+14	NE	2		33	92	32	4	5	-	-	4-6	4-6	4000	-	*
3	Birmingham ...	26.6	+8	NE	2	bc	34	75	28	2	-	-	-	0	0	-	1	*
	Upper Heyford	25.9	+8	NE	2		32	85	29	5	5	-	-	7-8	7-8	3800	1	*
4	Ross-on-Wye	26.4	+12	NE	1		31	85	26	4	5	-	-	1	1	3000	-	*
5	Hartland Point	25.8	+16	E	3	bc	37	65	27	7	5	-	-	4-6	4-6	2500	0	*
	Bristol ...	26.2	+10	NE	2	bc	31	85	28	3	-	-	-	0	0	-	1	*
	Portland Bill ...	24.2	+12	NE	4	bc	36	92	33	7	5	-	-	4-6	4-6	4000	1	4
	Plymouth ...	25.7	+14	NE	2	3	35	65	24	5	5	3	-	4-6	4-6	4000	1	2
	The Lizard ...	25.0	+8	NE	2	c	35	85	32	7	8	2	-	9	10	2000	0	3
	Scilly (St. Mary's)	22.2	+10	NE	2	bc	38	97	33	7	5	-	-	4-6	4-6	1800	1	4
6	Pembroke ...	26.6	+6	NE	3	bc	34	85	26	7	1	1	-	2-3	2-3	4000	1	4
7	Holyhead ...	26.0	+6	NE	2	b	33	85	29	6	5	-	-	Tr	Tr	3000	2	4
	Chester (Sealand)	26.9	+2	-	-		29	85	26	3	-	-	-	0	0	-	3	*
8	Manchester ...	27.1	+4	-	0	c	31	92	30	2	5	-	-	7-8	7-8	4000	3	*
10	Spurn Head ...	25.8	0	SE	1	bc	37	65	27	7	1	4	-	2-3	4-6	4000	0	3
	Catterick ...	27.4	+2	-	0		31	92	29	4	5	-	-	2-3	2-3	3000	1	*
	Tynemouth ...	26.7	+2	NW	3		36	85	33	6	-	2	-	10	10	1500	1	4
11	St. Abbs Head	26.5	+2	NW	2		36	92	33	6	5	2	-	9	10	1500	4	2
	Leuchars ...	26.8	-2	-	0	bc	32	85	29	8	5	-	-	2-3	2-3	3500	3	*
12	Renfrew (Abbotsl.)	27.2	0	-	0		24	97	22	1	-	-	-	10	10	1500	3	*
	Eskdalemuir ...	27.2	+2	-	0	c	31	85	27	6	5	1	-	7-8	9+	1800	4	*
	Point of Ayre ...	26.4	0	E	1	b	37	85	32	7	2	-	-	Tr	Tr	1500	0	2
13A	Tiree	24.3	-2	SSW	2	bc	38	85	37	9	5	-	-	2-3	2-3	3500	0	3
13B	Stornoway ...	24.4	-10	S	5	bc	41	85	38	8	1	-	-	2-3	4-6	2500	1	3
15	Dalwhinnie ...	27.0	0	-	0	b	24	85	19	8	-	-	-	0	0	-	3	*
	Aberdeen ...	26.9	-2	-	0	bc	32	85	29	5	5	-	-	4-6	4-6	3100	3	2
	Wick ...	25.9	-6	SSW	1	b	32	85	29	8	5	-	-	Tr	Tr	3500	3	*
16	Sumburgh ...	24.5	-10	SSW	3	bc	41	75	33	9	5	-	-	4-6	4-6	3000	1	2
17	Blacksod Point	23.9	-12	SE	3	bc	41	65	31	8	+	5	-	0	2-3	-	0	4
18	Malin Head ...	25.4	-4	S	2	b	34	75	28	8	-	-	-	0	0	-	0	4
	Aldergrove ...	26.5	-6	-	0		30	92	28	5	-	-	-	0	0	-	3	*
19	Birr Castle ...	25.6	-6	N	1	b	30	97	29	8	-	-	-	0	0	-	1	*
20	Valentia Obsy.	24.8	-10	NE	3	bc	35	85	32	9	5	7	1	Tr	2-3	4000	1	2
	Roches Point	26.1	0	NNE	3	bc	37	85	33	8	5	-	-	2-3	2-3	-	1	*

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.—13h. (39)	Weather. 13h.—18h. (40)	Weather. 18h.—1h. (41)	Weather. 1h.—7h. (42)
1	London (Kew)	cbcez	eigbeb	bzx	b bc mx
	Croydon ...	czbeg	egpg	bczbmgx	bczbfx
	S. Farnborough	cbcmgbmg	bmgbecbc	bcmgb	bmg
	Boscombe Down	cbc	bmg	bx	bx
	Thorney Island	cbcm	bcbmg	bmg	bmg
	Lympne ...	czbeb	bcbbc	bcmgx	xacmgf
	Manston ...	cbc	becbc	cpgpg	cpgmg
2	Shoeburyness ...	pgmgcv	cbbcvc	cbx	bbcxss
	Felixstowe ...	cshmgbcb	bcy	bcybcbmg	bopsm
	Gorleston ...	bcq	bc	bcc	cpgwbc
	Mildenhall ...	c	cbcb	bm	bmgx
	Cranwell ...	cmgbm	cpg	bmgbm	bmbf
3	Birmingham ...	cbcz	bbcbf	fbm	bmx
	Upper Heyford	czbcmg	cbcmg	bcbmg	bigbm
4	Ross-on-Wye	czbcz	bzbcg	bm	bmg
5	Hartland Point	ccy	bccbc	bcb	c
	Bristol ...	cmgbcbz	bzf	bfm	bmmgmf
	Portland Bill ...	c	bcbc	bcbc	bbc
	Plymouth ...	bcmgcmg	cmgybmg	czgx	bmmgx
	The Lizard ...	c	cmg	bc	bc
	Scilly (St. Mary's)	cbc	c	bcc	bcc
6	Pembroke ...	bqmg	bc	bbcg	c
7	Holyhead ...	bx	bmg	bbcmgx	bcmgx
	Chester (Sealand)	bcfffm	bgmfx	bfffx	bfffx
8	Manchester ...	bfx	bbcf	bmxif	ifcmgx
10	Spurn Head ...	c	bc	bifbmx	fx
	Catterick ...	cgsgfm	cmgbcm	ofcfm	cbmx
	Tynemouth ...	cmpmc	cmgg	bc	bcbm
11	St. Abbs Head	pgc	pghc	omgc	qbc
	Leuchars ...	bcx bcm	bcrgbeb	bbcmgx	cbcbmgx
12	Renfrew (Abbotsl.)	bmbf	bfofx	bofex	ofex
	Eskdalemuir ...	bcsg	bbcc	cmg	amg
	Point of Ayre ...	bbc	bbc	b	cgpg
13A	Tiree	bc	bc	bc	bcc
13B	Stornoway ...	bcv	bcv	bccprbc	bcc
15	Dalwhinnie ...	bcbbc	bcb	*	bbc
	Aberdeen ...	bcbmg	bmgbcg	bcbg	bcgx
	Wick ...	bxbc	bcxbx	bxmgbx	bxb
16	Sumburgh ...	ccprcc	cbc	bccir	cirpg
17	Blacksod Point	bc	bc	c	r
18	Malin Head ...	bc	b	b	c
	Aldergrove ...	bxbg	bmgbxm	bmgcmgx	bmgxbx
19	Birr Castle ...	b	b	*	bc
20	Valentia Obsy.	be	bc	bc	d
	Roches Point	b	b	b	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 11th January, 1942.

Districts.	
1 S.E. England 2 E. England ...	Calm to light variable breeze; fine; persistent frost; fog in places tonight.
3 E. Midlands ... 4 W. Midlands	Calm to light variable breeze; fine; persistent frost; fog in places today and extensive fog tonight.
5 S.W. England 6 South Wales	Light wind between E. and S. Fine; cold with frost in most areas.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England	As 3-4.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light to moderate SSW wind, fair apart from fog at first; cloudy later; cold with night frost.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh SSW wind, strong on coasts, veering W. later, cloudy, occasional rain, slight snow locally; becoming slowly milder.
16 Orkneys and Shetlands	As 13A -15.
17 N. W. Ireland	Fresh SSW wind veering W and decreasing later; cloudy, occasional rain; cold but becoming slowly milder.
18 N. E. Ireland 19 S. E. Ireland	Light S wind; fair at first, cloud increasing later, cold with frost locally at night.
20 S. W. Ireland	As 17.

GENERAL INFERENCE

A ridge of high pressure extends from the northeast across England to northwest of Bay of Biscay, but a trough of relatively low pressure off the northwest seaboard is moving northeast. Over England, and South Scotland weather will be fine with persistent frost but cloudier conditions will gradually spread over North Ireland and N. and N.W. Scotland with a little light rain near the northwest seaboard and some local light snow inland in N.W. Scotland.

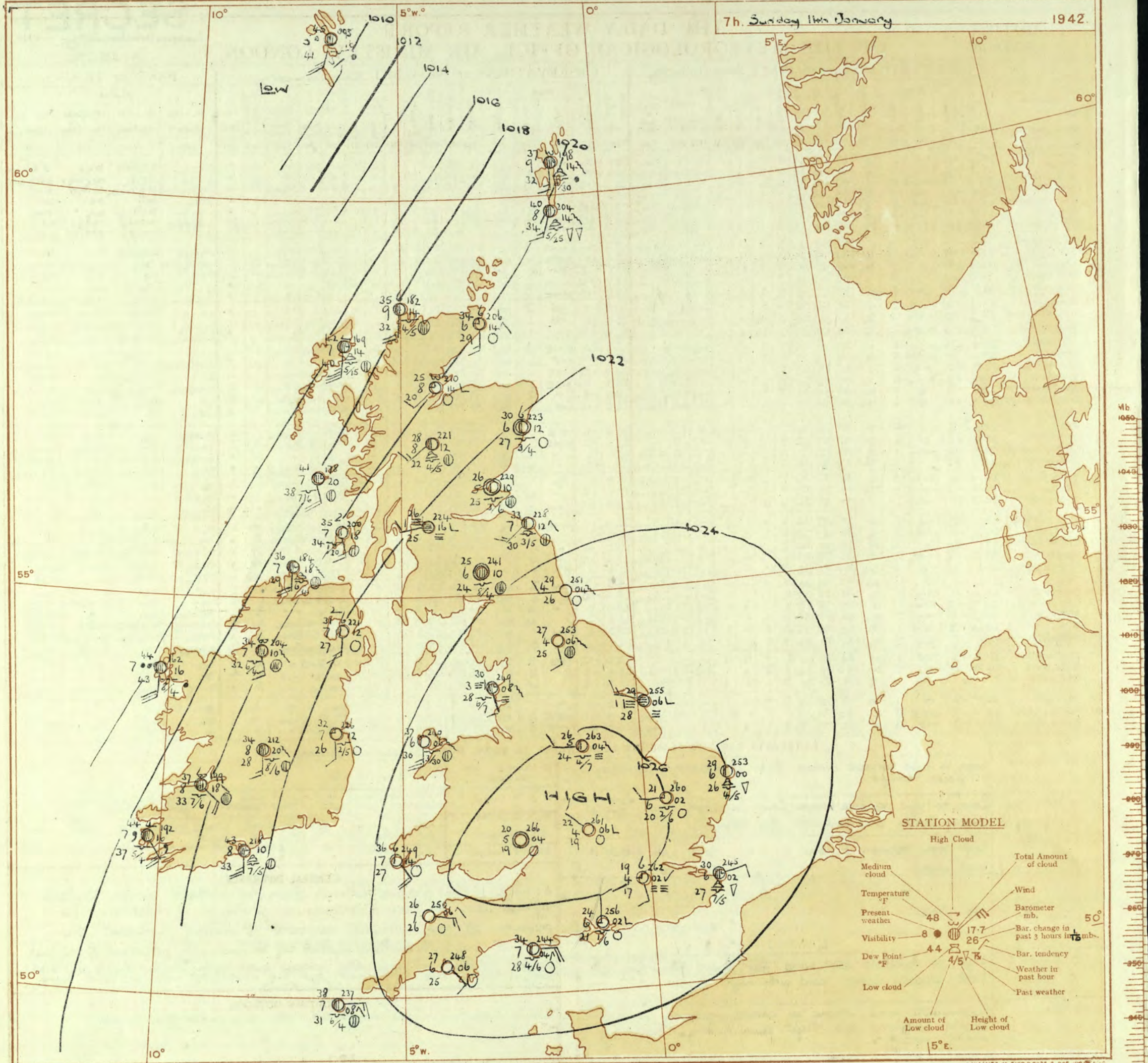
FURTHER OUTLOOK

Rather unsettled in the northwest; little change in the South.

Forecasts issued at 10.30h. G.M.T.

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

7h. Sunday 11th January 1942.



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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 11th January,

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Sunday 11th January 1942 — No. 29270

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

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	*	*	*	*	*	28	*	*	*	*	*	*	*	*	*
	Croydon ...	217	26.2	-2	-	0		28	85	20	5	-	-	-	0	0	-
	S. Farnborough	226	26.7	-2	-	0		24	85	21	5	-	-	-	0	0	-
	Boscombe Down	417	26.8	0	E	1		26	85	23	7	-	-	-	0	0	-
	Thorney Island	10	26.9	+2	NE	2		26	85	22	6	-	-	-	0	0	-
	Lympne ...	346	25.3	-2	-	0		23	85	20	6	5	-	-	1-	1-	2500
	Manston ...	154	25.0	-6	NE	3	R	33	85	30	6	8	-	-	10	10	1500
2	Shoeburyness ...	11	25.6	-4	NE	2		26	97	25	7	-	-	-	0	0	-
	Felixstowe ...	15	25.8	+10	NNE	3		30	85	26	6	-	-	-	0	0	-
	Gorleston ...	5	26.4	-8	NNE	2		35	85	31	6	8	-	-	7-8	7-8	1500
	Mildenhall ...	19	26.8	+4	SSE	1		23	97	22	6	5	-	-	2-3	2-3	4000
	Cranwell ...	240	26.8	-6	-	0		28	85	25	4	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	27.2	-2	-	0		25	97	23	5	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25.6	-2	ENE	3		33	75	26	7	-	-	-	0	0	-
	Bristol ...	209	27.0	0	-	0		25	85	22	4	-	-	-	0	0	-
	Portland Bill ...	32	24.8	-2	NE	4		32	85	29	7	4	-	-	2-3	2-3	2500
	Plymouth ...	82	25.8	-2	ENE	2		31	85	28	6	-	-	-	0	0	-
	The Lizard ...	240	25.2	0	ENE	4		36	75	29	7	8	-	-	4-6	4-6	2500
	Scilly (St.Mary's)	163	24.8	-6	E	3		36	75	28	7	5	-	-	4-6	4-6	1500
	Guernsey ...	175															
6	Pembroke ...	142	25.9	-8	ESE	4		37	75	30	6	5	-	-	2-3	2-3	4000
7	Holyhead ...	26	25.0	-10	SSE	3		37	75	30	6	5	-	-	1	1	3000
	Chester(Sealand)	16	26.3	-8	SSE	1		27	92	25	2	-	-	-	0	0	-
8	Manchester ...	235	26.8	-2	-	0		29	97	28	3	-	7-	-	0	10	-
10	Spurn Head ...	29	26.0	-4	WSW	3		34	85	31	6	-	4-	1	0	4-6	-
	Catterick ...	175	26.4	-10	SE	1-		30	92	28	4	5	-	-	10	10	2200
	Tynemouth ...	108	26.5	-4	NE	3		32	92	30	6	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	25.0	-10	SW	2		34	92	32	7	5	4-	-	4-6	7-8	2500
	Leuchars ...	36	25.0	-10	-	0		28	92	26	5	5	-	-	4-6	4-6	3000
12	Renfrew (Abbotsl.)	19	25.2	-10	-	0		20	97	19	1	-	-	-	10	10	1500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	24.7	-8	SSW	3		35	85	31	7	-	4-	-	0	1	-
13A	Tiree	22	21.8	-16	SE	4		39	85	35	8	5	-	-	4-6	4-6	2500
13B	Stornoway ...	80	19.3	-30	S	7		40	97	39	8	5	-	-	4-6	4-6	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	28	*	*	*	*	*	*	*	*	*
	Wick ...	119	23.0	-12	SSW	3		32	85	29	7	-	-	-	0	0	-
16	Sumburgh ..	30	23.4	-6	SW	4		41	65	30	8	5	-	-	10	10	2500
17	Blacksod Point	18	20.1	-20	SE	5		41	92	39	7	-	7	-	0	10	-
18	Malin Head ...	84	21.8	-22	S	1		34	85	30	8	4	-	-	2-3	2-3	5700
	Aldergrove ...	268	24.4	-12	SW	1		30	97	29	6	5	-	-	1	1	4000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	22.6	-12	SSE	5		43	75	36	8	5	-	-	10	10	2500
	Roches Point	22	24.2	-10	SE	5		42	75	36	8	5	-	-	4-6	4-6	2500

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

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)	25.6	-2	WSW	1		25	92	23	4	5	-	-	2-3	2-3	2500	3	*
	Croydon ...	26.2	+2	SSE	1		18	92	17	4	-	4	-	0	1-	-	3	*
	S. Farnborough	26.5	+2	W	1		21	92	19	5	5	-	-	1-	1-	4000	3	*
	Boscombe Down	26.4	-6	NW	2		21	92	19	7	-	-	-	0	0	-	3	*
	Thorney Island	25.6	-2	N	1		24	92	21	6	5	-	-	1-	1-	4000	3	*
	Lympne ...	24.7	-2	NW	1		27	97	27	5	5	-	-	3+	3+	2500	8	§3
	Manston ...	24.5	-2	ENE	1		30	85	27	6	8	-	-	3+	3+	2500	8	*
2	Shoeburyness ...	25.5	0	NNE	2		28	92	25	5	5	-	-	1-	1-	1500	8	*
	Felixstowe ...	25.4	0	NNW	1		27	85	24	7	3	6	3	2-3	7-8	1400	8	2
	Gorleston ...	25.3	0	NNW	1		28	85	24	6	8	-	-	4-6	4-6	2500	5	3
	Mildenhall ...	26.0	+6	NW	1		21	97	20	6	5	-	-	1	1	4000	3	*
	Cranwell ...	28.8	-16	W	1		26	97	25	3	-	-	-	0	0	-	3	*
3	Birmingham ...	26.0	-4	-	0		24	85	21	4	-	-	-	0	0	-	1	*
	Upper Heyford	26.1	-6	NW	1		22	97	19	4	-	-	-	0	0	-	3	*
4	Ross-on-Wye	26.6	-4	-	0		20	97	18	5	-	-	-	0	0	-	3	*
5	Hartland Point	25.0	-6	ESE	3		26	97	24	7	-	-	-	0	0	-	3	3
	Bristol ...	26.8	+2	-	0		21	97	21	3	-	-	-	0	0	-	3	*
	Portland Bill ...	24.4	+4	E	4		34	85	28	7	5	-	-	4-6	4-6	4000	1	4
	Plymouth ...	24.8	-6	SE	1		27	85	25	6	-	-	-	0	0	-	3	3
	The Lizard ...	24.3	-2	E	3		36	75	32	8	8	6	-	4-6	4-6	3000	0	3
	Scilly (St.Mary's)	23.7	-8	E	3		38	75	31	7	5	-	-	7-8	9	1500	1	
	Guernsey ...																	
6	Pembroke ...	24.9	-14	SE'S	4		36	75	27	7	-	4	-	0	2-3	-	1	3
7	Holyhead ...	24.0	-6	S	5		37	75	30	6	5	-	-	2-3	2-3	3000	0	
	Chester(Sealand)	25.6	-6	SE	1		25	97	23	2	5	-	-	3+	3+	5000	0	*
8	Manchester ...	26.2	-2	-	0		27	97	27	4	-	3	-	0	1-	-	3	*
10	Spurn Head ...	25.5	-6	WNW	3		29	97	28	1	-	-	-	1-	1-	4150	3	3
	Catterick ...	25.3	-6	SE	1		27	92	25	4	-	-	-	0	0	-	3	*
	Tynemouth ...	25.4	-4	W	2		29	85	26	4	-	-	-	0	0	-	5	2
11	St. Abbs Head	22.8	-12	SW	2		33	85	30	7	4	4	-	2-3	4-6	2500	0	3
	Leuchars ...	22.8	-10	-	0		26	92	25	5	5	-	-	2-3	2-3	3000	3	*
12	Renfrew (Abbotsl.)	22.4	-16	WSW	1		26	97	25	1	-	-	-	1-	1-	1200	3	*
	Eskdalemuir ...	24.1	-10	-	0		25	97	22	6	5	-	-	1-	1-	1200	4	*
	Point of Ayre...	22.6	-12	SW	4		37	92	34	7	8	2	-	3	10	1500	1	3
13A	Tiree	17.8	-20	SE	4		41	92	38	7	5	-	-	3+	3+	2500	0	4
13B	Stornoway ...	16.9	-14	S	7		42	92	40	7	8	1	-	7-8	8+	1500	1	4
15	Dalwhinnie ...	22.1	-12	SW	3		28	85	22	8	8	-	-	4-6	4-6	2500	3	*
	Aberdeen ...	22.2	-12	-	0		30	85	27	6	5	4	-	2-3	4-6	1900	3	*
16	Sumburgh ..	20.6	-14	S	3		34	75	29	6	-	4	-	0	1	-	3	*
17	Blacksod Point	16.2	-16	S	6		44	97	43	7	6	-	-	1-	1-	1500	1	5
18	Malin Head ...	18.4	-18	S	4		36	75	29	7	8	-	-	8	8	1500	3	4
	Aldergrove ...	22.1	-12	S	3		31	85	27	7	-	4	5	0	2-3	-	3	*
19	Birr Castle ...	21.2	-20	S	3		34	75	27	8	5	-	-	1-	1-	4000	1	*
20	Valentia Obsy.	19.2	-16	SES	5		44	75	37	7	5	2	-	7-8	1-	1500	1	*
	Roches Point	21.8	-10	S	5		43	65	33	8	8	-	-	3+	3+	2500	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)	37	24	10	Tr	Tr	1.5
	Croydon ...	36	19	15	Tr	-	1.4
	S. Farnborough	39	19	10	-	-	3.7
	Boscombe Down	36	21	14	-	-	5.6
	Thorney Island	38	22	14	-	-	*
	Lympne ...	35	21	16	-	2	6.1
	Manston ...	37	28	19	-	3	3.7
2	Shoeburyness ...	36	24	18	-	0.3	1.5
	Felixstowe ...	38	25	20	-	0.3	3.4
	Gorleston ...	37	29	26	-	-	*
	Mildenhall ...	37	20	12	-	-	1.4
	Cranwell ...	39	25	18	-	-	3.4
3	Birmingham ...	37	24	10	-	-	1.6
	Upper Heyford	38	20	17	-	-	*
4	Ross-on-Wye	37	20	12	-	-	2.5
5	Hartland Point	40	26	23	-	-	2.6
	Bristol ...	36	19	10	-	-	1.7
	Portland Bill ...	39	30	*	-	-	*
	Plymouth ...	38	26	21	-	-	1.0
	The Lizard ...	42	33	18	-	-	1.6
	Scilly (St.Mary's)	44	34	*	-	-	3.1
6	Pembroke ...	39	32		-	-	5.7
7	Holyhead ...	44	29	23	-	-	*
	Chester(Sealand)	40	25	20	-	-	4.0
8	Manchester ...	32	27	18	-	-	*
10	Spurn Head ...	40	27		-	-	1.8
	Catterick ...	37	27	*	0.2	-	0.7
	Tynemouth ...	39	29	27	-	0.2	*
11	St. Abbs Head	40	33		-	-	
	Leuchars ...	40	25	16	-	-	2.5
12	Renfrew (Abbotsl.)	29	20	14	-	-	0.0
	Eskdalemuir ...	37	19	13	1	-	5.1
	Point of Ayre...	42	29	*	-	1	5.1
13A	Tiree	42	38		-	-	3.2
13B	Stornoway ...	41	39	*	0.1	0.1	3.0
15	Dalwhinnie ...	38	22	14	-	-	5.2
	Aberdeen ...	36	25	22	-	-	1.9
	Wick ...	39	30	27	-	-	*
16	Sumburgh ..	42	38	36	Tr	0.2	0.0
17	Blacksod Point	43	38		-	2	
18	Malin Head ...	40	31	*	-	-	0.0
	Aldergrove ...	42	27		-	-	5.5
19	Birr Castle ...	38	26	22	-	-	3.5
20	Valentia Obsy.	43	34	28	Tr	Tr	3.5
	Roches Point	44		*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 10th January — 18h. G.M.T. — 01h. G.M.T. 11th January — 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	80	00862	19202	50	00861	17201	00	00890	16300	00	00890	17400
115	54	01953	16214	54	01854	16314	54	01954	16414	54	02954	16425
203	10	00842	12812	03	00890	16412	8-	02846	16516	50	01844	16624
206	50	00862	00012	00	05630	00000	00	05630	20100	03	00890	20202
210	54	00863	16113	04	00890	16101	00	00820	00000	04	00890	13203
220				50	01654	15214				51	02643	21417
230	50	05761	00001	50	00861	00001	50	05661	02101	50	05661	32111
245	5+	02576	24186	5-	02875	23115	5-	02756	28106	50	00762	30112
260	5-	08477	24100	5-	47364	00046	5-	45364	00044	5-	45297	00047
278	00	00880	10200	00	17590	00000	50	00752	15202	5-	02758	18228
279	14	00761	00001	50	05663	04103	00	08490	00000	5-	68658	06128
285	13	01858	32414	23	01744	32415						
288	8-	88447	20187	5-	78448	20278	50	08463	19213	00	47290	22240
575	00	00890	00001	50	00742	08102	50	05552	12202	57	02746	1432 8
301	00	17508	06200	00	43390	04240	00	45290	07140	5-	43376	14246
321	53	05665	01826	5-	47365	30285	--	44169	18149	53	45355	17146
299	80	01744	02274	50	05753	00003	50	00782	24102	00	45290	22140
292	97	05590	28313	5-	26448	17188	--	46609	00049	5-	43264	00044
310												
614	80	05562	04222	50	08463	02123	50	47370	24141	50	05574	24144

13h. G.M.T. 10th January — 18h. G.M.T. — 01h. G.M.T. 11th January — 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	00	00890	06300	00	00790	00000	00	05650	00000	50	01764	16414
334	--	05590	00001	--	05482	00002						
340	00	47890	32140	03	47390	32146	00	43390	12140	00	08490	00040
136	8-	83744	06384				50	05664	26211	86	05652	27103
336	54	01652	04313	54	05643	08314						
350	8-	88657	04428	50	05652	06212	50	05561	20101	00	05590	24100
368	04	00690	07462	50	05561	32201	00	05690	01100	00	00690	08100
379	53	05664	02326	5-	05553	04325	00	05590	00020	00	05590	00000
390	5-	05667	03327	50	00761	04201	00	08490	31300	40	05652	28202
382	10	05653	01323	50	05563	01383	00	05590	00000	00	05690	30100
438										80	01753	02403
430	40	05662	04412	00	00790	04310	00	05690	03200	40	05661	32101
409	5-	05665	06315	50	05664	06214	00	05690	06200	00	05690	09200

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
$C_L C_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night
Kew ...	cb acz$_2$	cis$_3$bcb	bz$_2$x bc
Croydon ...	c2bcs$_2$	c2$_2$ps$_2$	bz$_2$bz$_2$x
Greenwich ...	cb	bcs$_2$cb	bcb ks
Camden Square	bc	c	*
Kensington ...	bay	bc	*
Hampstead ...			

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. Time 0·6 07h on 11th. Min. Time 0·1 4h on 11th

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 ...	37	24	10	Tr	Tr	1·5	*	*
Croydon ...	36	19	15	Tr	-	1·4	*	*
Greenwich ...	36	21	11	Tr	-	0·7	69	97
Westminster ...	39	26	-	-			89	96
Regents Park ...								
Camden Square	37	24	22	Tr	Tr	*	*	90
Kensington ...	38	24	16	-	-		70	93
Hampstead ...							*	

SECRET

Page 1

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

BRITISH SECTION

Monday 12th January 1942

No. 29271

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	23·6	-12	WSW	1	bf	32	85	26	2	-	-	-	0	0	-
	Croydon ...	25·0	-14	SW	1	bf	30	85	25	3	-	-	-	0	0	-
	S. Farnborough	25·2	-14	NNW	2	zo	34	75	26	6	-	-	-	0	0	-
	Boscombe Down	25·3	-14	-	0	zo	38	65	23	6	-	-	-	0	0	-
	Thorney Island	25·0	-8	NNE	2	b	34	75	26	7	5	-	-	Tr	Tr	4000
	Lympne ...	24·4	-6	NW	2	ps	32	75	26	5	9	-	-	9+	9+	1000
	Manston ...	24·6	-4	E	2	zo	29	97	28	6	5	-	-	10	10	2000
2	Shoeburyness ...	24·3	-6	NNE	2	c	32	85	27	6	8	-	-	9	9	2500
	Felixstowe ...	25·0	-4	SE	1	sf	31	92	29	2	-	-	-	10	10	<150
	Gorleston ...	25·0	-6	S'W	4	s/ps	32	85	29	7	8	-	-	7-8	7-8	1500
	Mildenhall ...	25·0	-12	W	2	zo	30	85	26	5	5	-	-	9	9	3000
	Cranwell ...	24·9	-8	W'S	2	zo	33	75	27	5	5	-	-	4-6	4-6	2000
3	Birmingham ...	24·6	-8	SW	2	zo	33	55	20	6	-	-	-	0	0	-
	Upper Heyford	25·3	-12	-	0	zo	31	65	20	6	5	-	-	Tr	Tr	-
4	Ross-on-Wye	24·8	-14	SW	1	zo	30	85	25	5	-	-	1	0	Tr	-
5	Hartland Point	23·5	-12	SSE	3	b	36	65	23	7	-	4	-	0	Tr	-
	Bristol ...	25·3	-12	E	1	zo	36	55	22	6	-	-	-	0	0	-
	Portland Bill ...	24·2	-12	E	3	bc	35	85	31	8	2	-	-	4-6	4-6	4000
	Plymouth ...	24·6	-10	ESE	2	bc	35	75	27	8	7	-	-	4-6	4-6	2500
	The Lizard ...	23·9	-4	SSE	4	bc	39	65	32	8	8	8	-	4-6	4-6	2500
	Scilly (St. Mary's)	22·5	-12	SE'S	4	c	40	65	32	8	8	3	2	4-6	9	1800
	Guernsey ...															
6	Pembroke ...	23·1	-12	SSE	4	bc	40	75	32	7	1	4	-	2-3	2-3	3000
7	Holyhead ...	22·6	-12	S	4	bc	38	75	30	7	1	3	-	Tr	2-3	8000
	Chester (Sealand)	23·6	-10	SE'S	2	zo	34	65	25	5	5	-	-	1	1	7000
8	Manchester ...	24·7	-10	-	0	c	34	55	24	6	-	3	-	0	9	-
10	Spurn Head ...	24·4	-6	NW'W	1	bf	33	97	33	3	-	-	-	0	0	-
	Catterick ...	24·0	-10	S	2	cf	31	92	29	3	-	3	-	0	10	-
	Tynemouth ...	23·4	-6	WSW	2	of	34	92	31	3	5	-	-	10	10	1500
11	St. Abbs Head	20·9	-10	SW	4	zo	33	92	32	6	5	7	-	4-6	10	2500
	Leuchars ...	21·4	-10	NNW	2	zo	31	85	28	5	-	3	4	0	9	-
12	Renfrew (Abbotsl.)	20·9	-10	-	0	cf	32	85	28	2	-	3	-	0	9	-
	Eskdalemuir ...	22·6	-8	-	0	SoSo	29	97	27	4	-	2	-	10	10	100
	Point of Ayre ...	21·6	-6	SW'W	4	c	39	85	34	8	5	-	-	9+	9+	4500
13A	Tiree	16·0	-14	S'W	4	dr	42	97	41	6	5	-	-	10	10	1200
13B	Stornoway ...	14·8	-14	S'W	7	c	43	92	41	7	5	7	-	7-8	10	1500
15	Dalwhinnie ...	20·2	-10	SSW	4	c	32	85	28	8	8	3	-	2-3	7-8	2500
	Aberdeen ...	20·5	-14	SW	3	c	35	75	28	6	-	3	-	0	7-8	-
	Wick ...	17·8	-18	S	3	bc	37	75	29	8	5	3	1	Tr	2-3	2500
16	Sumburgh ...	18·7	-12	S'W	3	c	41	65	30	9	5	3	-	2-3	7-8	3000
17	Blacksod Point	19·7	+24	NNW	6	rr	41	92	39	7	6	-	-	10	10	1600
18	Malin Head ...	17·8	-2	S'E	4	rofo	37	85	33	6	6	-	-	9+	9+	800
	Aldergrove ...	20·6	-6	SSW	2	c	37	75	30	6	-	5	-	0	10	-
19	Birr Castle ...	20·2	-8	SSE	2	iro	38	75	31	8	5	-	-	10	10	2500
20	Valentia Obsy.	19·3	+2	N'W	7	ir	42	92	40	6	6	2	-	7-8	10	1500
	Roches Point	20·3	-8	S	5	c/r	44	65	34	8	6	1	-	7-8	10	1500

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

Barom. at M.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)
28·4	+8	SE	2	bf	28	83	23	3	-	-	-	0	0	-	3	*
25·7	+6	SE	1	bf	24	97	23	1	-	-	-	0	0	-	3	*
25·5	-8	-	0	zo	27	85	25	5	-	-	-	6	0	-	3	*
25·6	+8	S	1	zo	28	75	22	6	-	-	-	0	0	-	3	*
25·4	+2	-	0	zo	28	85	25	6	5	-	-	Tr	Tr	4000	3	*
25·4	+6	ENE	1	b	22	85	18	8	-	6	-	0	1	-	3	2
25·5	+6	-	0	zo	22	92	20	5	6	-	-	9	9	4000	8	*
25·5	+6	SSE	2	c	31	65	23	7	6	-	-	7-8	7-8	2500	8	*
26·3	+2	WSW	2	zo	30	85	25	6	5	-	-	7-8	7-8	2500	8	2
25·3	+4	SSW	2	SoSo	30	85	26	5	5	-	-	10	10	1500	7	3
25·1	+6	S	2	m	29	85	26	4	-	7	-	0	2-3	-	3	*
24·6	+6	SW	2	m	27	85	25	4	-	4	-	0	Tr	-	3	*
24·8	+2	S	2	bf-	27	75	23	3	-	7	-	0	Tr	-	3	*
25·4	+8	S	1	zo	29	75	20	6	-	-	-	0	0	-	3	*
25·0	+4	SW	1	m	27	85	23	4	-	-	5	0	1	-	3	*
24·3	+12	SSE	3	bc	38	85	29	8	5	-	-	4-6	4-6	2500	3	
25·6	+8	-	0	zo	27	75	20	5	-	4	-	0	Tr	-	3	*
25·2	+10	E	3	bc	31	75	27	7	5	-	-	4-6	4-6	2500	1	
25·2	+6	E'N	2	zo	32	85	29	5	7	-	1	2-3	2-3	4500	3	2
24·7	+8	S	4	bc	37	55	22	8	8	6	-	4-6	4-6	2500	0	3
22·9	+4	SSE	3	c	39	65	28	8	8	7	-	4-6	10	1800	1	3
23·8	+8	S'W	4	bc	41	75	35	8	8	2	-	4-6	4-6	2500	1	3
23·1	+6	SSE	3	c	38	75	32	7	5	7	6	Tr	9	2500	0	4
23·9	+4	S'E	1	m	29	85	26	4	-	-	7	0	9+	-	3	*
24·4	+12	SSW	2	zo	30	75	23	6	-	3	6	0	9	-	3	*
24·3	+4	W'N	2	sf	34	85	30	4	7	-	-	4-6	4-6	4000	5	3
24·1	+2	SE	1	of	31	92	29	2	5	-	-	10	10	2200	3	*
23·8	0	WSW	3	of	34	97	31	3	-	2	-	10	10	1500	4	3
21·2	0	SW	4	zo	33	97	33	5	5	2	-	7-8	10	1500	0	2
20·8	-4	-	0	m	32	85	28	4	-	-	-	0	0	-	3	*
20·5	-2	-	0	cf	36	85	32	3	5	3	-	7-8	10	2500	3	*
22·9	+2	S'E	1	SoSo	30	97	29	4	-	2	-	10	10	1000	8	*
21·7	+6	SW'S	3	c	38	85	33	8	5	2	-	9	10	2500	1	2
18·0	+20	N'W	5	rr	40	97	40	7	-	2	-	10	10	1500	1	5
16·8	+22	NW	5	ir	39	97	39	6	5	2	-	9	9	1000	1	3
20·4	-2	SSW	3	c	33	85	29	7	5	2	-	7-8	10	1500	3	-
20·1	-2	SW'S	3	bc	34	85	31	5	5	7	-	4-6	4-6	2200	3	2
17·2	0	SSW	3	bc	37	75	31	7	5	7	-	2-3	2-3	2500	3	*
17·9	-6	S'W	4	bc	41	75	32	8	5	-	-	4-6	4-6	2000	1	3
23·2	+22	NW	6	sq	41	85	37	8	5	-	-	10	10	1500	1	5
19·8	+18	NW	6	rr	41	92	39	5	6	-	-	9+	9+	450	1	4
22·1	+14	S'E	2	SoSo	33	97	32	4	-	2	-	10	10	1500	6	*
22·1	+14	SSE	1	rofo	36	97	35	7	5	-	-	10	10	2500	1	
24·0	+32	N'E	6	iro	41	85	37	8	6	2	-	4-6	10	2500	*	5
22·3	+22	SW	3	ir	41	85	37	7	6	2	-	7-8	9+	1500	1	4

PAST 24 HOURS. WEATHER.

7h.—13h. 11th (39)	13h.—18h. 11th (40)	18h. 11th to 1h. 12th (41)	1h.—7h. 12th (42)
bmffx	bffx	bffx	bfbccx
bmxbf	bf	fxbfx	bfxcmo
bmo	bzomo	bmofx	bfbcmcmo
b	bmo	bmox	bmox
bmobcb	bbmo	bmo	bmocmo
pshPsf	CmopScb	beefm	bebmox
psfssmsc	bccmo	cbmo	bmocbcmo
ssbccmo	ssbc	b	bebmo
psoosf	cssomo	cmocbccm	cm
ofcps	cpSox	osbcx	cx
bccmox	bczox	bmox	cmox
bmoxbzo	bzomo	bmbf	ofcf
bmz	bzf	fb,c	fcm
bmbzox	bzo	bmo	bmocmo
bzbfm	bzmo	bmx	bxcf
b	bbc	c	c
bfmzo	bzoybzo	bzofzm	bmcf
pcbc	bcbc	bc	c
bcmpso	bcmo	b,cmopso	bccmo
shcbc	bcy	cbcy	bcc
cbcc	c	cbc	bcc
bczo	bcrgg	cq	cq
xmob	bbcc	crcrcmo	errmo
c,bffm	bzox	bbcmox	bm,cmox
bcmx	bczo	czocmox	cmox
fsx	ffx	cifx	cifx
cff	cff	cfff	off
off	offso5oo	offsoSoo	o
bcc	cm	cmc	cqm
bmopshcmx	xcmozbmo	bbcmox	cmcrosom
oFbcf	cf	fmrom	cmbcm
omso	oSoSo	SoSois.	cossomo
croc	ircc	crcrs	rcrcc
odr	orr	arrde	bc
cprrr	crr	epr	epr
bcc	co	*	cpso
bczxc	cbczo	bcrb	bczoc
bcx	bccbc	cbcc	bcprobc
ebcc	cbc	bcc	cirebcc
rr	c	bc	bcc
crrc	r	cbcb	cbcb
cfofo	oidoosoSomsfsfpirom	omcmo	
c			b
rifo	r	*	bbcc
fcir	r	cprbcb	cbc
rc	r	circ	

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

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

Light South Southwest wind increasing to moderate, mainly cloudy, slight snow locally turning later to slight rain with local glazed frost, cold at first but gradual thaw setting in later

Freshening South to Southwest wind; cloudy, slight snow or rain in places at first turning to rain, local glazed frost; becoming cloudy milder.

Freshening Southwest wind; cloudy occasional rain later; becoming cloudy milder

Wind Southwest fresh or strong; gale at exposed places cloudy, rain at times average temperature

16 Orkneys and Shetlands	As 13A - 15
17 N. W. Ireland	
18 N. E. Ireland	As 11- 12
19 S. E. Ireland	
20 S. W. Ireland	

GENERAL INFERENCE

A very deep depression to West of Iceland is moving northeast and it is gradually extending its influence over the British Isles. A Shallow trough of low pressure over the Irish Sea and South Scotland is moving slowly east. There will be occasional snow turning to slight rain in the West and North of England at first, spreading eastwards but tending to die out. More general rain will set in over West Ireland and West Scotland and spread northeast. Winds will reach gale force on the coasts of W. Ireland and West and north Scotland. Milder conditions will spread slowly from westwards to all districts.

FURTHER OUTLOOK

Unsettled generally; West to southwest winds, rain at times in the West and North; changeable temperature but milder than of late.

Warning of southerly gale issued at 0420 G.M.T. 12/1/42 for districts 13(B), 16, 17

Forecasts issued at 10·30 G.M.T

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

7h. Monday 12th January 1942

10° 5°W. 0° 5°E. 10°

60° 55° 50°

Low

High

1012 1014 1016 1018 1020 1022 1024

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 ¼ mb.

Dew Point °F

Bar. tendency

Low cloud

Weather in past hour

Past weather

Amount of Low cloud

Height of Low cloud

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

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 12th January 1942.

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

Statute Miles 0 1 2 3 4 800

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Monday 12th January 1942 — No. 29271

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

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	*	*	*	*	*	25	*	*	*	*	*	*	*	*	*
	Croydon ...	217	25·4	-8	SSE	1	bf	22	97	21	3	-	-	-	0	0	-
	S. Farnborough	226	25·4	-12	-	0	f	18	92	17	1	-	-	-	0	0	-
	Boscombe Down	417	26·0	-10	-	0	z_o	22	85	19	5	-	-	-	0	0	-
	Thorney Island	10	25·9	-6	NE	1	z_o	20	97	19	6	-	-	-	0	0	-
	Lympne ...	346	25·6	-2	E	1	m/f	23	85	20	4	5	-	7	2-3	10	2500
	Manston ...	154	25·2	-8	WSW	2	z_o	22	85	19	5	5	-	-	2-3	2-3	3000
2	Shoeburyness ...	11	25·1	-4	-	0	bc	27	85	24	7	5	-	-	2-3	2-3	2500
	Felixstowe ...	15	24·8	+10	W	2	m	29	97	28	4	5	-	-	10	10	5100
	Gorleston ...	5	24·2	-12	NW	2	z_o	27	92	25	5	8	-	-	4-6	4-6	800
	Mildenhall ...	19	24·7	-6	SW	2	z_o	24	92	23	5	-	-	-	0	0	-
	Cranwell ...	240	24·4	-8	W	3	f	28	97	27	2	-	-	-	10	10	4150
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	25·0	-10	W	1	z_o	22	92	20	5	-	3	-	0	1	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	24·0	-6	SW	3	c	35	85	29	7	5	-	-	7-8	7-8	1500
	Bristol ...	209	25·6	-6	-	0	m	21	85	18	4	-	-	-	0	0	-
	Portland Bill ...	32	24·8	+14	W	2	bc	36	85	32	7	5	-	-	4-6	4-6	2500
	Plymouth ...	82	25·7	-6	ESE	2	z_o	31	85	28	5	5	-	-	2-3	2-3	3000
	The Lizard ...	240	25·5	-2	SSW	4	bc	39	75	32	8	8	-	-	4-6	4-6	3000
	Scilly (St.Mary's)	163	24·5	0	S	4	bc	41	65	31	7	5	-	-	4-6	4-6	1500
	Guernsey ...	175															
6	Pembroke ...	142	23·5	-6	SSW	4	cq	42	65	27	7	8	2	-	7-8	9+	2500
7	Holyhead ...	26	22·2	-6	S	6	r,s	39	92	37	5	-	2	-	10	10	2100
	Chester(Sealand)	16	23·6	+10	SE'S	2	z_o	25	85	22	5	5	-	-	4-6	4-6	2500
8	Manchester ...	235	24·3	+10	-	0	z_o	30	92	28	6	5	-	-	10	10	5000
10	Spurn Head ...	29	24·1	0	WNW	3	if	33	97	32	4	5	-	-	7-8	7-8	2500
	Catterick ...	175	23·8	+10	S	1	f	30	97	29	2	-	-	-	10	10	4150
	Tynemouth ...	108	23·3	+10	SSW	3	0	34	85	30	6	-	2	-	10	10	1500
11	St. Abbs Head	280	19·9	+14	SW	4	c	33	97	32	6	5	7	-	4-6	7-8	2500
	Leuchars ...	36	20·1	+8	SW	1	m	34	92	32	4	5	-	-	10	10	2000
12	Renfrew (Abbots I.)	19	19·2	+12	S	2	m	38	92	36	4	5	-	-	10	10	1800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	21·3	+4	W'S	2	r,s	39	85	35	7	6	2	-	9	10	1500
13A	Tiree	22	19·8	+2	-	0	c	39	92	37	7	5	-	-	9+	9+	1800
13B	Stornoway ...	80	19·9	+2	S	2	c	38	92	36	7	5	7	-	7-8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	35	*	*	*	*	*	*	*	*	*
	Wick ...	119	11·9	+6	WSW	3	c	37	97	36	7	5	7	-	4-6	10	3000
16	Sumburgh ..	30	16·0	+12	S	3	c	42	85	38	8	5	7	-	7-8	9+	2500
17	Blacksod Point	18	22·2	+16	-	0	bc	37	85	33	7	4	-	-	2-3	2-3	4000
18	Malin Head ...	84	20·3	+8	NW	3	c	41	75	34	6	8	-	-	7-8	7-8	2500
	Aldergrove ...	268	22·0	+6	SSE	1	c/r	33	97	34	4	5	-	-	9+	9+	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·6	+4	ENE	3	b	37	85	33	8	5	9	-	1	1	2500
	Roches Point	22	23·2	+2	NNE	4	c	39	85	33	8	8	-	-	9+	9+	1500

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

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)	22·7	-18	WSW	1	m	26	92	24	4	5	-	-	9+	9+	2500	3	*
	Croydon ...	22·7	-22	SW	1	z_o	27	97	27	5	-	3	-	0	9+	-	3	*
	S. Farnborough	22·9	-18	-	0	m	24	92	22	4	5	-	-	10	10	2500	3	*
	Boscombe Down	23·9	-20	-	0	z_o	20	91	19	5	-	7	-	0	4-6	-	3	*
	Thorney Island	23·2	-20	-	0	z_o	25	97	24	5	5	-	-	10	10	7200	3	*
	Lympne ...	22·3	-28	W	1	z_o	20	92	18	5	-	3	-	0	1	-	8	$ λ
	Manston ...	22·6	-18	W'S	2	z_o	19	92	16	5	5	7	-	2-3	4-6	3500	8	*
2	Shoeburyness ...	22·6	-20	W'S	2	z_o	22	85	19	5	-	-	-	0	0	-	8	*
	Felixstowe ...	21·9	-20	WNW	2	m	27	85	22	4	5	-	-	9	9	3700	8	2
	Gorleston ...	22·0	-20	NW	2	z_o	28	85	24	5	5	-	-	4-6	4-6	800	3	3
	Mildenhall ...	22·4	-10	SW	2	z_o	22	92	20	5	5	-	-	9	9	4000	3	*
	Cranwell ...	21·9	-14	-	0	cf	28	97	28	2	-	7	-	0	9+	-	3	*
3	Birmingham ...	21·7	-14	SW	3	m	29	85	25	4	5	-	-	9+	9+	4000	3	*
	Upper Heyford	22·8	-18	WSW	1	z_o	24	97	23	5	5	-	-	10	10	5500	3	*
4	Ross-on-Wye	21·8	-24	SE	1	cf	24	92	23	3	5	-	-	10	10	2000	3	*
5	Hartland Point	20·9	-20	S	3	c	36	65	23	7	5	2	-	9	10	1500	3	4
	Bristol ...	22·5	-22	-	0	cf+	25	75	18	3	5	-	-	9+	9+	2500	3	*
	Portland Bill ...	22·6	-18	NW	2	c	36	92	33	7	5	-	-	9	9	2500	1	4
	Plymouth ...	23·0	-20	NE	1	z_o	31	92	29	5	7	-	-	9	9	3000	3	3
	The Lizard ...	22·0	-20	SSW	5	c	40	65	32	8	8	2	-	7-8	9+	1500	0	4
	Scilly (St.Mary's)	20·8	-20	SSW	4	c	43	65	33	7	5	-	-	9+	9+	1500	1	4
6	Pembroke ...	19·0	-20	SSW	6	cq	44	75	37	7	8	2	-	7-8	10	2500	1	3
7	Holyhead ...	16·8	-34	SSE	6	r,s	38	92	36	6	-	2	-	10	10	1400	1	5
	Chester(Sealand)	18·8	-20	SE	3	z_o	31	97	30	5	5	-	-	10	10	3300	3	*
8	Manchester ...	20·7	-22	S'E	2	z_o	32	97	30	6	5	-	-	10	10	4500	3	*
10	Spurn Head ...	21·5	-24	W'N	1	if	33	97	33	4	5	6	-	2-3	7-8	2500	3	3
	Catterick ...	20·2	-24	SSE	2	f.	30	92	28	2	-	-	-	10	10	4150	3	*
	Tynemouth ...	19·8	-22	SSW	3	0	34	85	30	6	-	2	-	10	10	1500	4	3
11	St. Abbs Head	15·6	-24	SW	5	cq	34	97	34	5	5	-	-	10	10	1500	0	3
	Leuchars ...	15·7	-30	-	0	↔	35	92	33	4	5	-	-	10	10	1800	3	*
12	Renfrew (Abbots I.)	15·6	-22	S'W	1	m	35	97	34	4	5	5	-	2-3	7-8	1800	3	*
	Eskdalemuir ...	17·4	-20	SSW	1	m	32	92	31	4	5	-	-	10	10	200	8	*
	Point of Ayre...	16·0	-30	SW'S	4	r,s	40	97	40	7	6	2	-	9	10	1500	1	3
13A	Tiree	12·8	-40	SSW	3	pr	37	92	35	7	8	-	-	7-8	7-8	1500	1	4
13B	Stornoway ...	11·8	-42	S	5	c/pr	41	85	37	7	5	7	-	7-8	9+	2000	1	3
15	Dalwhinnie ...	14·8	-24	SSW	2	c	32	85	28	6	5	-	-	9+	9+	2500	4	*
	Aberdeen ...	14·9	-24	SW'S	2	c	35	85	32	5	6	2	-	4-6	10	1100	3	3
	Wick ...	13·3	-26	SSW	1	bc/pr	39	85	33	8	8	3	-	4-6	4-6	4000	1	*
16	Sumburgh ..	11·8	-28	SSW	3	c	43	85	39	8	5	7	-	7-8	10	2500	1	3
17	Blacksod Point	13·1	-56	S'W	5	c	42	85	35	8	4	-	-	9	9	2500	0	4
18	Malin Head ...	13·9	-42	S	2	bc	35	75	30	8	-	-	1	0	2-3	-	1	5
	Aldergrove ...	16·6	-36	S	1	z_o	32	97	33	5	5	-	-	10	10	2000	8	*
19	Birr Castle ...	16·6	-36	SSE	1	b	28	97	27	8	-	-	-	0	0	-	1	*
20	Valentia Obsy.	17·4	-44	NE	2	c	33	92	29	8	-	1	-	0	9+	-	1	2
	Roches Point	17·5	-30	N	3	bc	35	92	31	8	5	3	6	1	4-6	2500	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 11h Hrs. (38)
1	London (Kew)	34	23	8	-	Tr	0·2
	Croydon ...	30	21	17	-	-	0·0
	S. Farnborough	36	17	8	-	-	5·5
	Boscombe Down	37	18	14	-	Tr	7·1
	Lympne ...	35	18	13	-	-	*
	Manston ...	32	15	8	2	-	0·0
2	Shoeburyness ...	33	19	10	7	-	0·2
	Felixstowe ...	33	21	*	0·1	-	*
	Gorleston ...	32	27	23	3	-	0·0
	Mildenhall ...	33	27	25	2	0·4	*
	Cranwell ...	34	21	14	Tr	Tr	1·5
3	Birmingham ...	36	25	22	-	-	0·1
	Upper Heyford	34	25	20	-	-	6·4
4	Ross-on-Wye	35	21	22	-	-	*
5	Hartland Point	33	19	12	-	-	6·6
	Bristol ...	37	33	30	-	-	5·7
	Portland Bill ...	39	19	12	-	-	3·4
	Plymouth ...	36	30	*	-	-	*
	The Lizard ...	37	28	23	Tr	-	1·0
	Scilly (St.Mary's)	40	34	*	-	-	3·2
	Guernsey ...	41	39	*	-	-	1·2
6	Pembroke ...	41	32	*	-	-	5·3
7	Holyhead ...	38	33	30	-	5	*
	Chester(Sealand)	34	25	19	-	-	3·0
8	Manchester ...	36	27	25	-	-	*
10	Spurn Head ...	34	32	*	-	-	2·4
	Catterick ...	33	29	29	-	Tr	0·0
	Tynemouth ...	35	33	31	0·3	0·1	*
11	St. Abbs Head	36	34	*	-	-	*
	Leuchars ...	32	32	28	-	0·4	0·0
12	Renfrew (Abbots I.)	37	33	28	0·4	0·1	0·0
	Eskdalemuir ...	31	29	29	1	2	0·0
	Point of Ayre...	40	37	*	0·2	1	0·0
13A	Tiree	42	37	*	4	1	0·0
13B	Stornoway ...	44	39	*	1	1	*
15	Dalwhinnie ...	33	31	29	-	0·4	0·1
	Aberdeen ...	35	33	30	-	0·1	0·0
	Wick ...	38	33	31	-	-	*
16	Sumburgh ..	41	40	37	-	Tr	*
17	Blacksod Point	45	34	*	9	-	*
18	Malin Head ...	41	32	*	6	2	0·0
	Aldergrove ...	37	30	*	2	2	0·0
19	Birr Castle ...	38	27	24	3	2	0·0
20	Valentia Obsy.	45	31	26	19	2	0·0
	Roches Point	*	41	*	2	0·4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 11th January				18h. G.M.T.			01h. G.M.T. 12th January			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	01853	17314	54	00852	16312	5-	02767	24227	57	00861	20312
115	54	02844	20426	52	81844	20487	52	02844	28387	52	25844	16387
203							5-	10938	24328	10	01844	16424
206	53	01763	24214	5-	05666	00026	5-	02848	22268	57	01864	24224
210	55	01872	16324	57	02765	18328	51	51745	21368	57	02566	00068
220	62	63625	20468									
230	57	02754	18417				5-	05654	00054	5-	02855	00015
245	5-	05668	23188	5-	08452	25122	5-	08458	22118	5-	01848	24168
260	5-	41586	00087	53	05563	17215	57	08452	18114	5-	02758	18368
276	83	02862	21315	52	05665	20228	52	22655	22368	57	05555	12228
279	6-	83438	16278	5-	08558	17878	5-	08648	18428	52	05664	16177
285										5-	05638	04328
288	5-	05567	20147	5-	87878	00048	5-	43368	20148	5-	45378	18134
575	62	68636	12388	62	08637	00078	5-	01744	00004	50	00781	12101
301	5-	43376	14246	5-	47366	14146	5-	08458	18648	5-	83448	16328
321				90	45390	00048	--	44308	18149	5-	41458	15248
299	5-	43254	24244	50	41452	24342	50	47344	24144			
292	03	43290	00047	5-	47268	00048	--	44208	13149	--	44208	13149
310										--	02464	04316
614	00	08490	24100	00	45290	00000	57	43274	26148	57	47264	22148

13h. G.M.T. 11th January				18h. G.M.T.			01h. G.M.T. 12th January			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	00	00890	14403	14	01751	00014	5-	62658	16368	52	62656	18668
334										--	71448	30270
340	03	05690	19313									
136				50	05663	23213	03	08490	22227	03	08490	21228
336										--	48458	08349
350	00	08490	25100	00	05590	18200	00	08490	20200			
368	00	00690	06101	03	00630	12103	50	05653	00013	52	02655	22128
379	00	00790	24100	04	05630	00001	00	05690	00000	50	05654	24224
390	44	05664	30104	00	47390	12140	00	45190	24140	00	43290	00040
382	00	05650	00000	00	47290	00001	00	08490	00000			
438	80	01644	02814							53	01554	22214
430	03	00790	02311	00	08490	00000	00	03590	32100	5-	04677	00027
409	50	05661	10483	5-	02765	16325	5-	02777	14207	5-	02768	18478

IIi = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
$C_L C_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

For the 24 hours ending morning of 12.1.42.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	bmffx	bffx	bffx	Kew 24 hours ended 7h. Max. Time 18 49h-11h
Croydon ...	bmvbf	bf	fxbfx	
Greenwich ...	bffx	bm3x	bmfx	
Camden Square				
Kensington ...	bez	bez		
Hampstead ...	bex	bex	bexm	Min. Time 0.2 4h-12h

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	34	23		-	Tr		*	*
Croydon ...	30	21	17	-	-	0.0	*	*
Greenwich ...	33	19	8	-	-	0.6	80	77
Westminster ...	35	24	24	-			78	95
Regents Park ...	35	23	15	-	-		79	93
Camden Square							*	*
Kensington ...	35	23	16	-	-		82	91
Hampstead ...	33	21	19	-	-		*	95

SECRET

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

Tuesday 13th January 1942 — No. 28272

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

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)	17·5	-34	SW'S	2	bf-	33	92	32	3	-	4	-	0	1	-
	Croydon ...	18·1	-34	-	0	m	34	75	26	4	-	4	-	0	Tr	-
	S. Farnborough	17·5	-30	NSW	1	bcf-	35	75	27	3	-	3	-	0	4-6	-
	Boscombe Down	17·8	-42	S	1	zo	32	85	28	6	5	7	-	9	10	5000
	Thorney Island	17·9	-38	N	1	m	33	85	28	4	-	3	-	0	7-8	-
	Lympne ...	19·1	-30	-	0	m	25	85	20	4	-	-	-	0	0	-
	Manston ...	17·9	-34	NSW	2	m	26	75	19	4	-	-	-	0	0	-
2	Shoeburyness ...	18·0	-30	NNW	1	m	32	75	25	4	-	-	-	0	0	-
	Felixstowe ...	17·5	-32	NNW	2	zo	32	75	24	5	4	-	-	Tr	Tr	4000
	Gorleston ...	18·5	-20	ESE	5	bc/ps	34	85	30	7	2	-	-	4-6	4-6	2500
	Mildenhall ...	18·3	-30	-	0	m	31	75	25	4	-	3	-	0	1	-
	Cranwell ...	16·7	-38	S	3	zo	35	65	23	5	5	-	-	Tr	Tr	5700
3	Birmingham ...	15·3	-44	S	3	zo	33	85	29	6	-	7	-	0	10	-
	Upper Heyford	17·0	-42	SW	1	m	32	85	29	4	-	3	-	0	7-8	-
4	Ross-on-Wye	15·6	-40	S	2	c/f	35	63	24	7	5	3	1	4-6	7-8	4000
5	Hartland Point	13·6	-48	SW	5	c	42	65	32	8	5	7	-	4-6	9+	2500
	Bristol ...	16·6	-36	S	2	c	38	65	29	7	5	-	4	9	9+	5000
	Portland Bill ...	17·0	-42	NSW	3	c	46	92	38	8	5	-	-	10	10	2500
	Plymouth ...	16·7	-40	SW	6	rro	44	65	33	8	5	7	-	4-6	10	1800
	The Lizard ...	16·7	-40	SSW	6	c	44	65	34	8	8	2	-	9	10	1500
	Scilly (St. Mary's)	13·4	-12	SW'S	6	c	45	75	38	8	5	7	-	7-8	10	1500
	Guernsey ...															
6	Pembroke ...	11·2	-50	SSW	8	cq	46	85	44	7	8	-	-	10	10	2500
7	Holyhead ...	08·8	-56	S	7	rro	40	97	40	6	6	2	-	7-8	10	500
	Chester (Sealand)	12·5	-44	SE'S	4	c/s	36	75	30	6	5	7	-	4-6	9+	4000
8	Manchester ...	14·6	-38	SSE	3	m/s	34	92	32	4	5	-	-	10	10	4500
10	Spurn Head ...	16·8	-30	S'E	2	zo	35	75	28	5	7	3	-	4-6	7-8	2500
	Catterick ...	14·0	-44	S'E	3	cf	31	92	30	2	5	3	-	1	9+	1500
	Tynemouth ...	13·5	-32	S'E	3	zo	35	75	29	5	8	-	-	9	9	2000
11	St. Abbs Head	10·7	-38	SSW	4	c/s	35	92	32	7	5	7	-	7-8	9+	2000
	Leuchars ...	08·3	-48	SSE	3	c/s	36	85	30	6	5	7	-	1	10	1500
12	Renfrew (Abbotsl.)	07·0	-54	SSE	4	ido	38	85	33	5	5	-	-	4-6	10	800
	Eskdalemuir ...	10·1	-50	SE	4	sose	32	85	28	6	-	2	-	10	10	500
	Point of Ayre ...	08·4	-44	SSW	6	rofo	40	92	38	7	6	2	-	10	10	1000
13A	Tiree	01·4	-74	S	6	c	40	85	35	8	5	-	-	9+	9+	1800
13B	Stornoway ...	99·0	-74	SSE	8	c	42	85	37	8	8	7	-	7-8	9+	1500
15	Dalwhinnie ...	06·0	-54	SSE	4	c	34	75	28	5	5	2	-	7-8	10	1500
	Aberdeen ...	08·2	-40	S'W	4	iro	38	85	34	6	6	2	-	9+	10	800
	Wick ...	05·1	-46	S	4	c	39	75	31	8	2	7	6	2-3	9	2500
16	Sumburgh ...	06·4	-38	S	5	c	43	75	37	8	8	3	-	4-6	9+	2000
17	Blacksod Point	98·2	-82	S	7	rr	41	97	41	6	6	-	-	10	10	800
18	Malin Head ...	01·7	-72	S	5	c	37	75	30	8	6	-	-	7-8	7-8	4000
	Aldergrove ...	06·6	-54	S	2	c	34	92	32	7	5	2	-	Tr	10	900
19	Birr Castle ...	06·1	-62	SSE	2	o	35	85	31	8	5	-	-	10	10	2500
20	Valentia Obsy.	03·8	-82	SSW	6	rofo	41	85	37	7	6	2	-	4-6	10	1500
	Roches Point	08·4	-54	S'W	4	c	43	75	36	8	5	7	-	4-6	9+	1500

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	11·9	-32	SSE	1	m	31	85	28	4	5	5	-	7-8	9+	2500	3	*
	Croydon ...	13·0	-32	S	1	cf	32	75	25	3	5	3	-	4-6	9	3500	3	*
	S. Farnborough	11·8	-30	SE	2	zo	34	85	31	5	5	-	-	10	10	4000	3	*
	Boscombe Down	11·9	-34	SSE	2	c/d	34	85	31	5	5	7	-	7-8	10	3000	0	*
	Thorney Island	12·8	-34	SE	1	iro	30	92	28	4	5	7	-	9	10	2900	*	*
	Lympne ...	15·4	-20	-	0	m	20	97	20	4	-	2	-	0	1	-	8	s 2
	Manston ...	13·8	-22	SW	2	m	22	85	18	4	-	3	-	0	2-3	-	8	*
2	Shoeburyness ...	14·1	-22	NW	1	bf+	23	92	21	3	-	-	-	0	0	-	8	*
	Felixstowe ...	13·7	-22	NNW	1	zo	27	85	24	5	-	-	-	0	0	-	8	1
	Gorleston ...	14·3	-24	SE'S	3	zo	34	92	31	6	8	-	-	7-8	7-8	2500	7	4
	Mildenhall ...	13·3	-28	SE'S	2	m	27	92	25	4	-	7	-	0	1	-	3	*
	Cranwell ...	11·3	-26	S'E	4	m	28	92	26	4	-	7	-	0	9+	-	3	*
3	Birmingham ...	09·2	-34	SSE	3	zo	34	85	30	5	-	7	-	0	10	-	3	*
	Upper Heyford	11·1	-34	SSE	1	m	31	87	31	4	5	7	-	7-8	9+	4000	3	*
4	Ross-on-Wye	09·1	-32	S	3	zo	37	75	30	6	-	2	-	0	10	-	1	*
5	Hartland Point	06·3	-30	SW	6	rorq	42	75	34	7	5	2	-	7-8	10	1500	1	5
	Bristol ...	09·9	-26	S	3	zo	35	85	32	6	5	7	-	4-6	10	4000	1	*
	Portland Bill ...	11·4	-18	SW	5	c	43	92	41	7	5	-	-	10	10	2500	1	5
	Plymouth ...	10·0	-38	SW	7	c	45	65	28	8	5	1	-	9	10	1500	0	4
	The Lizard ...	09·0	-24	SSW	7	rr	44	75	37	7	8	2	-	9	10	1500	1	5
	Scilly (St. Mary's)	06·6	-34	SW'W	6	rr	41	75	32	6	5	2	-	9	10	1000	1	
6	Pembroke ...	04·1	-8	SSW	7	rr	42	85	40	6	8	2	-	7-8	10	1500	1	5
7	Holyhead ...	01·0	-42	SW'S	7	RR	42	97	42	5	6	2	-	9+	10	1700	2	5
	Chester (Sealand)	05·2	-46	SE	5	zo	36	75	30	5	5	7	-	4-6	10	4000	1	*
8	Manchester ...	07·2	-40	SSE	4	sh	35	75	29	4	-	2	-	0	10	-	3	*
10	Spurn Head ...	11·0	-20	SE	5	zo	33	97	32	6	5	3	-	4-6	4-6	1500	6	3
	Catterick ...	07·5	-34	SSE	4	iso	32	85	29	5	5	-	-	10	10	1000	3	*
	Tynemouth ...	06·7	-24	SSW	5	m	35	85	31	4	8	-	-	9+	9+	1500	3	4
11	St. Abbs Head	03·6	-24	SE	5	c	35	92	33	6	5	2	-	4-6	10	1500	0	3
	Leuchars ...	01·7	-34	S	6	zo	37	85	32	5	5	2	-	4-6	10	2200	3	*
12	Renfrew (Abbotsl.)	99·9	-26	S'E	3	rofo	37	92	34	5	6	2	-	10	10	1300	1	*
	Eskdalemuir ...	02·2	-38	SSE	4	sose	31	92	29	4	-	2	-	10	10	100	8	*
	Point of Ayre ...	00·5	-38	SW'W	3	rofo	40	92	38	7	6	2	-	7-8	10	1500	1	3
13A	Tiree	90·3	-40	S	7	rr	35	97	35	6	-	2	-	10	10	1200	0	6
13B	Stornoway ...	90·3	-20	SSE	9	c/pr	39	97	39	7	8	7	-	7-8	10	1500	1	5
15	Dalwhinnie ...	98·1	-40	SSE	5	iso	33	85	29	5	5	-	-	10	10	1500	4	*
	Aberdeen ...	01·7	-40	S'E	5	iro	39	75	31	6	6	2	-	7-8	10	800	1	4
	Wick ...	97·6	-46	S	6	c	39	75	32	7	5	2	-	9+	10	1800	1	*
16	Sumburgh ...	01·0	-30	S	6	c	42	85	39	7	5	-	-	7-8	7-8	2500	1	4
17	Blacksod Point	91·0	-26	SSW	6	c/r	44	97	44	7	5	-	-	9+	9+	800	2	5
18	Malin Head ...	89·8	-66	S'E	6	iso	36	92	34	5	6	-	-	9+	9+	450	1	6
	Aldergrove ...	97·6	-50	SSE	4	ss	33	97	32	4	-	2	-	10	10	1000	8	*
19	Birr Castle ...	96·2	-38	S	4	c/fs	37	92	35	7	5	-	-	10	10	2500	1	
20	Valentia Obsy.	96·1	-30	SW	2	rofo	45	85	41	6	6	2	-	9+	10	1500	1	*
	Roches Point	98·5	-38	SSW	7	rr	43	92	41	6	6	2	-	7-8	10	800	1	6

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 12th (39)	Weather. 13h.—18h. 12th (40)	Weather. 18h. 12th to 1h. 13th (41)	Weather. 1h.—7h. 13th (42)
1	London (Kew)	c, bfx	bfmcx	s.c s.r.m	cir.c
	Croydon ...	bmcfbm	bmbz.f	s.s. mir.	ir. cmor.
	S. Farnborough	cfx	bcfmc	cm.r.m.	cr.s.m.c
	Boscombe Down	cm.	cidom	cm. crr	crr
	Thorney Island	cmfcm	iso irom	cm. bcc	ccr.so
	Lympne ...	bmoxm	bmmom	fr.d. r.s.o.	or.s.o.cmo
	Manston ...	bcmobmo	bm	bmcmzsh	c.z ir.z.z.
2	Shoeburyness ...	bmbcbf	bmbf	br.r.mc	cr.o r.m.c
	Felixstowe ...	cmbm	bmmom	cr.s. mcf	ir.f.cmo
	Gorleston ...	cbcps.	bcc	bcc.z.x	cp.s.c.z.x
	Mildenhall ...	bcbmx	bcbmx	cs.o.s.m.o.x	cs.o.s.cmo.
	Cranwell ...	cfcbm	bcmcm	cm.o.fs	o.fs
3	Birmingham ...	cz	cz	coi.s.o.	o.s.o.r.s
	Upper Heyford	cm.m.fm	bcmfc	cm.o.r.s.m.m.o.	fr.o. r.s.o.m
4	Ross-on-Wye	cf	bcc	*	c.d.q.r
5	Hartland Point	c	cr.o.r.	c.r.r.c	r.r.c.b.c
	Bristol ...	cfm.o.i.s.o.	cmo	cr.o.r.m.o.q	c.d.d.r.r
	Portland Bill ...	c	c	c.o	o.r.r
	Plymouth ...	c.r.y	cir.o.c	c.r.o.r.r.m.o.	c.r.r.m.o.c.r.o.fg
	The Lizard ...	c	c.p.r.r.r	r.r	r.r.c.b.c
	Scilly (St. Mary's)	c	c.r.o.r.r	c.r.r.r.	c.b.c
	Guernsey ...				
6	Pembroke ...	pr.o.c.q	c.q.r.r.m.o.	q.r.r.m.o.	b.e.q.
7	Holyhead ...	r.o.r.m.o.	r.o.r.o.R.R.m.o.	r.r.r.r.o.m.o.	c.r.o.r.o.m.o.b
	Chester (Sealand)	c.m.o.s.o.h.c	c.m.o	c.m.r.s.o.m.o.	e.m.o.r.o.
8	Manchester ...	c.m.o.i.s.o.x	c.m.i.s.o.	r.s.o.r.s.	r.r.r.o.r.
10	Spurn Head ...	c.m.o.	c	o.s.s.	o.r.o.s.
	Catterick ...	c.f.p.s.o.f.	o.f.i.s.o.f.	o.s.o.s.o.m.f.	p.f.s.o.
	Tynemouth ...	o.c.m.o.	c.m.s.	c.o.p.s.	o.s.
11	St. Abbs Head	c.m.p.s.o.	c.m.o.	c.q.s.o.s.m.	o.p.s.o.s.
	Leuchars ...	r.s.i.s.o.c.m.o.	c.i.s.o.c.m.o.	c.r.s.o.m.	r.s.r.s.o.m.
12	Renfrew (Abbotsl.)	r.o.s.o.i.d.o.m.o.	c.m.o.d.o.r.o.	c.m.o.r.s.r.	c.m.o.r.s.r.
	Eskdalemuir ...	i.s.o.i.s.h.s.s.o.	o.i.s. s.o.s.o.	s.o.s.o.s.s.f.	s.s.s.o.s.f.
	Point of Ayre ...	i.r.o. c.r.o.r.o.	r.r. c.r.o.	r.o.R.R.c.	R.R.r.r.
13A	Tiree	c	orr	c.i.r.	c.i.R.b.c.
13B	Stornoway ...	c	c.p.r.	c.p.r.	c.p.r.
15	Dalwhinnie ...	c.p.s.o.o	o.i.s.o.	*	o.i.s.
	Aberdeen ...	c.i.r.o.g.	c.i.r.o.g.	c.r.s.r.o.	c.r.r.i.r.
	Wick ...	b.c.c.	c	c.r.o.s.m.o.c.	c.r.r.m.o.c.
16	Sumburgh ...	c.i.r.o.r.o.c.	c.p.r.c.	c.i.r.o.r.o.	c.r.o.r.m.o.
17	Blacksod Point	r	r	c.b.c.	c.p.r.h.b.c.
18	Malin Head ...	b.c.	r.s.	c.p.r.	c.p.r.
	Aldergrove ...	c.i.d.o.m.o.c.	c.o.s.o.s.o.m.o.	s.s.m.i.r.o.c.	c.m.o.b.c.b.
19	Birr Castle ...	b.c.	r.s.	b.	b.
20	Valentia Obsy.	r	r	b.c.	c.p.r.c.b.c.
	Roches Point	b.c.	r	c.r.b.c.	b.

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

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

Fresh southerly wind, strong to gale locally on coasts, veering West and moderating. Cloudy with sleet or snow at first, turning to rain in most places. Bright intervals later. Thaw during the day, but further frost at night

Districts.	
4	W. Midlands
5	S.W. England
6	South Wales
7	North Wales
8	N.W. England
9	N. Midlands ...

Moderate or fresh northwest to west backing southwest later and increasing. Fair apart from coastal showers of rain or hail at first. More general rain later with snow locally. Rather cold with local night frost.

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

As 1-3

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

As 4-9

Districts.	
16	Orkneys and Shetlands

Strong southerly wind veering West and moderating. Rain at first. Bright intervals and wintry showers later. Rather cold.

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

As 4-9

GENERAL INFERENCE

An unusually deep depression north of Iceland is beginning to fill up and an associated trough is crossing the British Isles, and will have passed across England by tonight. In some eastern counties there will be further snow especially at first, but in general over the Southern half of Britain there will be general rain with fairer conditions spreading slowly east from Ireland. Thaw conditions will become fairly general during the day, but some further night frost is probable. Another trough now out on the Atlantic will cause winds to back and freshen in Western districts later, with further precipitation spreading across.

FURTHER OUTLOOK

Southwesterly or Westerly winds. Rain at times with sleet or snow locally, but some bright periods.

Gale warnings in operation is districts 2 (part of), 10, 11, 15 & 16. issued at 0420h on 12:1:41. and 1440h on 12:1:41.

Forecasts issued at 1030 G.M.T

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

7h. Tuesday 13th January 1942

Low

High

10° 5°W. 0° 5°E. 10°

60° 55° 50°

984 988 990 992 994 996 998 1000 1002 1004

STATION MODEL

High Cloud

Medium cloud

Low cloud

Amount of Low cloud

Height of Low cloud

Temperature °F

Present weather

Visibility

Dew Point °F

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in ½ mb.

Bar. tendency

Weather in past hour

Past weather

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 13th January,

1942.

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

Statute Miles 0 1 2 3 4 800

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

Fog. Mist. Thunder. (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 13th January 1942 — No. 29272

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

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	*	*	*	*	*	35	*	*	*	*	*	*	*	*	*
	Croydon ...	217	06·4	-28	S'W	3	ir.	34	92	32	5	5	7	-	2-3	7-8	3000
	S. Farnborough	226	05·6	-30	SSW	3	z.	35	85	33	6	5	-	-	10	10	1600
	Boscombe Down	417	04·8	-32	SSW	5	rr	37	92	34	5	6	2	-	9	10	1200
	Thorney Island	10	06·6	-26	SW'S	5	c	39	85	36	7	5	2	-	Tr	10	1900
	Lympne ...	346	09·4	-26	WSW	2	rs	33	97	33	5	-	2	-	10	10	1500
	Manston ...	154	07·8	-30	S'E	2	sh	34	75	28	4	5	-	-	10	10	4800
2	Shoeburyness ...	11	08·1	-30	ESE	3	ror.	34	92	33	4	5	-	-	10	10	1500
	Felixstowe ...	15	07·3	-34	SSW	3	cft	36	75	29	3	5	-	-	10	10	3100
	Gorleston ...	5	08·5	-28	SSE	2	z.	32	85	26	6	5	-	-	10	10	450
	Mildenhall ...	19	06·0	-36	SSE	3	s.s.	32	97	31	5	-	2	-	9	9	2500
	Cranwell ...	240	04·4	-34	SSE	4	f.	39	97	39	3	-	2	-	10	10	600
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	04·4	-30	S	3	rs	34	92	32	5	-	2	-	10	10	3200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	07·7	-36	SW	6	rr	42	85	38	7	5	2	-	7-8	10	1500
	Bristol ...	209	02·1	-34	SW'S	4	ror.	38	92	36	6	5	-	-	10	10	1300
	Portland Bill ...	32	05·2	-32	SW	6	c	43	92	41	7	5	-	-	10	10	2500
	Plymouth ...	82	00·9	-48	SSW	6	rr	41	97	41	6	6	2	-	7-8	10	1000
	The Lizard ...	240	98·7	-36	SSW	7	rr	45	92	43	7	5	-	-	10	10	1000
	Scilly (St.Mary's)	163	97·6	-34	NW	4	c/r	45	92	43	7	5	-	-	7-8	7-8	1200
	Guernsey ...	175															
6	Pembroke ...	142	94·9	-50	S'W	7	rr	44	85	43	6	8	2	-	7-8	10	1500
7	Holyhead ...	26	92·3	-38	S	8	ror.	42	97	41	5	-	2	-	10	10	900
	Chester(Sealand)	16	88·0	-38	SSE	4	rs	37	85	34	5	6	2	-	4-6	10	800
8	Manchester ...	235	99·2	-34	S'W	6	rr	35	97	34	5	-	2	-	10	10	3700
10	Spurn Head ...	29	04·6	-28	SSE	6	ss	33	97	33	6	5	-	-	10	10	1500
	Catterick ...	175	00·0	-36	S'E	4	s.s.	30	97	30	3	5	-	-	10	10	700
	Tynemouth ...	108	99·3	-42	S	6	c/ps	34	97	33	6	-	2	-	10	10	1500
11	St. Abbs Head	280	96·0	-24	S	6	s.s.	31	97	30	4	5	-	-	10	10	800
	Leuchars ...	36	94·5	-26	SSE	4	rs	35	92	33	4	5	-	-	10	10	1000
12	Renfrew (Abbots I.)	19	92·9	-22	SE	2	ror.	37	92	35	5	-	2	-	10	10	1200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	93·7	-28	SW'W	4	RR	42	92	40	7	8	2	-	9	10	1500
13A	Tiree	22	89·3	+4	WSW	3	c/r	41	92	39	7	5	-	-	7-8	7-8	1500
13B	Stornoway ...	80	86·0	-2	S	6	pr	41	97	41	7	8	7	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	38	*	*	*	*	*	*	*	*	*
	Wick ...	119	92·0	-18	S	6	c/rs	38	85	34	7	5	-	-	10	10	1600
16	Sumburgh ..	30	95·5	-22	S	7	ror.	40	85	35	7	6	-	-	10	10	1000
17	Blacksod Point	18	98·6	+6	W	5	bcq	43	75	36	8	4	-	-	4-6	4-6	2500
18	Malin Head ...	84	89·9	+4	W	3	c/pr	42	85	38	7	8	-	-	7-8	7-8	2500
	Aldergrove ...	268	92·9	-10	SW	3	z.	37	97	36	6	5	-	-	9+	9+	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	97·7	+6	WNW	4	bc	44	65	34	8	2	-	-	2-3	2-3	2500
	Roches Point	22	96·8	+6	W	4	bc/pr	41	85	37	8	2	-	-	4-6	4-6	1500

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

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)	00·5	-30	SSW	4	c/r	36	85	30	7	5	2	-	7-8	10	1500	1	*
	Croydon ...	00·8	-26	SSW	4	c/r	36	86	31	6	5	7	-	7-8	10	3000	3	*
	S. Farnborough	00·4	-24	S'W	4	rs	35	85	32	6	5	-	-	10	10	1500	3	*
	Boscombe Down	99·4	-20	S	5	rr	34	97	33	5	5	-	-	10	10	400	1	*
	Thorney Island	01·5	-24	S'W	5	rs	36	97	35	5	5	-	-	10	10	1300	1	*
	Lympne ...	05·1	-18	SSW	4	z.	34	75	29	6	5	-	-	10	10	2200	6	5
	Manston ...	03·8	-22	S'W	4	z.	35	75	29	5	5	-	-	10	10	2500	8	*
2	Shoeburyness ...	03·7	-22	S'E	4	c	37	85	32	6	5	-	-	9+	9+	1500	1	*
	Felixstowe ...	02·9	-26	S'W	5	z.	37	86	32	6	5	-	-	10	10	2500	6	3
	Gorleston ...	03·9	-22	S'W	4	c	36	92	33	6	5	-	-	10	10	1500	6	3
	Mildenhall ...	00·7	+32	S'E	3	ir.	35	85	31	5	-	2	-	10	10	2600	8	*
	Cranwell ...	98·3	-28	S	4	sf	33	97	33	3	-	2	-	10	10	500	8	*
3	Birmingham ...	95·7	-26	SSE	5	rs	35	92	33	5	6	-	-	10	10	800	1	*
	Upper Heyford	98·5	-24	SSE	3	rs	35	97	33	4	5	-	-	10	10	300	1	*
4	Ross-on-Wye	01·9	-34	S	5	c/r	37	92	35	6	6	-	9	7-8	7-8	2000	1	*
5	Hartland Point	95·4	0	NW	3	bc	42	65	34	7	2	-	-	4-6	4-6	1500	1	4
	Bristol ...	97·0	-18	SSW	4	rr	39	92	38	6	-	2	-	10	10	1200	1	*
	Portland Bill ...	98·0	-28	SSW	6	rr	43	92	39	7	5	-	-	10	10	2500	1	6
	Plymouth ...	96·5	-8	WNW	2	c	40	97	39	7	5	-	-	2-3	2-3	2500	1	5
	The Lizard ...	96·9	-4	N	3	bc	40	92	38	8	8	6	-	4-6	4-6	2000	1	4
	Scilly (St.Mary's)	96·8	-6	NNW	3	bc	44	85	39	8	5	-	-	2-3	2-3	1500	1	5
	Guernsey ...																	
6	Pembroke ...	95·2	+2	WNW	5	bcq	44	75	35	7	2	-	-	2-3	2-3	2500	1	4
7	Holyhead ...	92·6	+10	WNW	5	bc	41	92	39	7	5	-	-	4-6	4-6	3000	1	5
	Chester(Sealand)	94·0	-12	SSE	3	c/r	37	85	33	6	5	-	-	10	10	2000	1	*
8	Manchester ...	94·4	-16	SSW	5	ror.	36	92	34	5	-	2	-	10	10	600	3	*
10	Spurn Head ...	98·7	-26	S'E	6	ph	35	92	34	6	-	2	-	10	10	1500	1	4
	Catterick ...	94·5	-16	S	4	c/s	33	97	32	3	-	-	-	10	10	<150	1	*
	Tynemouth ...	94·7	-20	S	6	c	36	92	35	6	-	2	-	10	10	1500	1	5
11	St. Abbs Head	92·3	-16	SE	2	s.s.	33	97	33	4	5	-	-	10	10	800	4	3
	Leuchars ...	91·5	-14	S	2	rs	37	92	34	4	5	-	-	10	10	800	3	*
12	Renfrew (Abbots I.)	91·7	-2	NE'N	1	c/r	36	97	35	6	-	2	-	10	10	1500	1	*
	Eskdalemuir ...	92·6	-6	S'W	2	s.s.	32	97	32	3	-	2	-	10	10	100	8	*
	Point of Ayre...	91·3	-6	N'W	3	c/r	42	97	41	7	6	2	-	10	10	1500	1	3
13A	Tiree	90·4	+6	WNW	2	bc	41	85	37	8	8	-	-	2-3	2-3	2500	1	4
13B	Stornoway ...	87·7	+14	SW	3	c	39	92	36	7	5	7	-	4-6	9	2000	1	2
15	Dalwhinnie ...	91·7	c	S	3	c	33	85	30	7	5	2	-	7-8	10	1500	8	*
	Aberdeen ...	92·2	-6	SSW	3	ir.	37	92	36	6	6	2	-	7-8	10	700	1	*
	Wick ...	89·8	-10	S'W	5	c	39	85	35	7	5	-	-	10	10	2000	1	*
16	Sumburgh ..	92·7	-10	S	7	ror.	40	92	38	6	5	2	-	9+	10	800	1	5
17	Blacksod Point	93·9	0	W	3	c/phr	39	92	37	8	4	-	-	2-3	2-3	2500	1	4
18	Malin Head ...	90·7	+2	SW	3	pr	40	85	36	6	3	-	-	7-8	7-8	800	1	6
	Aldergrove ...	92·9	+2	S	1	b	32	97	31	8	-	-	-	0	0	-	4	*
19	Birr Castle ...	94·9	-2	SSE	1	b	32	92	30	8	-	-	-	0	0	-	1	*
20	Valentia Obsy.	96·6	-6	SSW	2	b/pr	39	85	35	8	3	-	-	Tr	Tr	2500	1	2
	Roches Point	96·1	-6	NW	3	b	37	85	33	8	5	-	-	1	1	2500	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 12th. Hrs. (38)
1	London (Kew)	34	31	27	-	0·1	2·7
	Croydon ...	39	31	29	-	0·1	2·6
	S. Farnborough	40	33	29	-	Tr	0·0
	Boscombe Down	34	32	31	Tr	3	0·0
	Thorney Island	*	33	33	*	0·2	*
	Lympne ...	27	20	11	-	1	2·7
	Manston ...	28	20	9	-	1	3·5
2	Shoeburyness ...	34	21	16	-	0·3	3·9
	Felixstowe ...	33	19	10	-	0·1	4·1
	Gorleston ...	35	31	29	0·6	1	*
	Mildenhall ...	33	24	18	Tr	0·3	2·7
	Cranwell ...	35	27	27	-	1	2·6
3	Birmingham ...	35	33	*	-	5	*
	Upper Heyford	33	31	30	-	3	*
4	Ross-on-Wye	39	35	33	-	7	0·7
5	Hartland Point	43	40	38	Tr	6	0·1
	Bristol ...	40	34	34	Tr	8	0·8
	Portland Bill ...	(46)	40	*	0·5	5	*
	Plymouth ...	45	40	43	Tr	20	0·0
	The Lizard ...	45	39	*	1	8	0·0
	Scilly (St.Mary's)	46	42	*	4	11	0·0
	Guernsey ...						
6	Pembroke ...	46	38	*	5	24	0·0
7	Holyhead ...	42	40	36	19	14	*
	Chester(Sealand)	36	35	33	Tr	1	0·0
8	Manchester ...	35	36	33	Tr	3	*
10	Spurn Head ...	36	31	*	-	Tr	2·1
	Catterick ...	32	33	29	Tr	4	0·0
	Tynemouth ...	36	33	30	-	1	*
11	St. Abbs Head	35	30	*	Tr	1	*
	Leuchars ...	38	34	32	Tr	8	0·0
12	Renfrew (Abbots I.)	38	35	33	1	7	0·0
	Eskdalemuir ...	32	31	31	1	9	0·0
	Point of Ayre...	42	38	*	3	15	0·0
13A	Tiree	41	35	*	4	5	0·0
13B	Stornoway ...	42	39	*	1	7	0·0
15	Dalwhinnie ...	34	31	30	0·5	2	0·0
	Aberdeen ...	40	36	34	0·1	6	0·0
	Wick ...	40	37	36	-	2	*
16	Sumburgh ..	43	39	37	3	3	0·0
17	Blacksod Point	45	38	*	2	2	*
18	Malin Head ...	38	33	*	1	3	0·0
	Aldergrove ...	35	31	26	1	3	0·0
19	Birr Castle ...	37	31	27	5	1	0·0
20	Valentia Obsy.	46	38	32	14	1	0·0
	Roches Point	44	*	*	5	5	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 12th January ... 18h. G.M.T. — 01h. G.M.T. 13th January ... 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	87	02645	15526	5-	03648	47728	52	68546	47668	52	61645	18568
115	57	02944	16426	57	02844	17527	52	81844	16587	87	25844	20486
203							5-	02837	49627	6-	22933	20463
206	53	02964	16426	52	02756	12628	5-	22758	53568	5-	02855	24225
210	57	02751	14327	52	02763	47528	52	02776	47528	52	62754	14268
220				62	64436	20768				50	01644	23214
230	82	02854	16288	02	68738	16558	02	68738	16378	20	01743	00073
245	52	22644	18468	52	61555	50568	6-	68438	49678	6-	62448	17378
260	52	05654	13327	57	61654	48558	5-	22768	16468	5-	02868	20228
278	5-	02858	18328	52	62647	51468	5-	62738	55368	57	01753	26264
279	57	05655	14487				5-	68657	51477	02	62648	14278
285	02	71638	10428	02	74438	14578				02	71538	08478
288	50	05585	15345				02	72248	47578	62	22444	49577
575	57	02831	12328	5-	68648	15478	9-	82638	24488	40	00753	24483
3015	-	23485	14578	5-	71548	47778	5-	72448	47878	5-	68648	51768
3215	-	41477	14347	5-	05568	47528	02	72558	47578	62	68535	47478
299	50	05564	15414	50	05663	16413	8-	71636	16676			
292	53	08475	11346	5-	08468	11428	--	77309	11479	--	77309	45479
310	--	02638	20328	--	04428	20328						
61	403	45390	14145	57	45364	14348	5-	23368	14378	5-	62448	18478

13h. G.M.T. 12th January ... 18h. G.M.T. — 01h. G.M.T. 13th January ... 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	62845	20668	62	64636	50768	62	64646	49768	53	01743	26364
334	--	71448	14473	--	63448	14569				--	65547	18228
340	5-	23458	14478	5-	05568	13478	5-	61648	14568	5-	62648	14468
136	53	05671	20213	00	45690	12304	52	72435	17478	62	68537	17478
330	- -	46309	98348	62	64526	20468				62	64626	20468
350	03	08490	16213	50	08464	13314	52	05566	14316	62	68548	16478
368	5-	22744	20267	62	22654	18568	52	62645	53468	52	02745	22368
379	03	05690	18326	07	05690	18378	5-	62538	18578	5-	74528	51578
390	00	45330	23140	03	45230	14243	5-	43248	13178	5-	43348	16448
382	03	05590	00025	07	05690	14328	5-	61668	15378	62	68644	48468
438	55	03744	22314							9-	14848	53728
430	53	05572	26145	5-	68358	00078	5-	02748	55578	5-	68748	53628
409	57	02864	18528	52	64635	17568	5-	61648	50768	50	01753	30463

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C_L C_M = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

For the 24 hours ending morning of 13th January
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, bfk	bfmcr	smcir	Kew 24 hours ended 7h. Max. Time 0·8 3-6h on 12th. Min. Time <0·1 3-6h on 13th
Croydon ...	bmcfbm	bmbz	smcir	
Greenwich ...	cfk	dzfg xc	cir	
Camden Square	bc	0	*	
Kensington ...	bcz	bcz	*	
Hampstead ...	bcxm	bcx3	05	

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 ...	34	31	27	-	0·1	2·7	*	*
Croydon ...	39	31	29	-	0·1	2·6	*	*
Greenwich ...	34	31	15	-	0·3	0·0	71	82
Westminster ...	38	26	21	0·3			91	90
Regents Park ...								
Camden Square	37	27	22	-	0·5	*	*	90
Kensington ...	37	29	21	-	0·2		92	84
Hampstead ...	34	31	23	-	0·1		*	93

SECRET

Page 1

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

BRITISH SECTION

Wednesday 14th January 1942

No. 29273

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

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)	98·3	−14	S'E	4	ISo	35	85	32	6	5	7	–	9+	10	1500
	Croydon ...	38·9	−12	S	4	iSo	33	92	29	6	5	2	–	9	10	1600
	S. Farnborough	98·3	−14	S'W	5	ss	33	92	32	4	6	–	–	10	10	600
	Boscombe Down	97·9	−8	S'W	4	roro	36	97	35	6	–	2	–	10	10	300
	Thorney Island	99·9	−10	S'W	6	rs	34	97	33	6	6	–	–	10	10	400
	Lympne ...	02·1	−18	S	4	C	36	55	21	8	5	7	–	7-8	9+	4500
	Manston ...	01·2	−14	S'W	4	C	35	75	35	8	–	7	–	0	10	–
2	Shoeburyness ...	01·0	−10	SSW	4	iSo	36	75	29	8	5	2	–	2-3	10	2100
	Felixstowe ...	00·3	−14	SSW	6	iSo	35	75	28	7	–	2	–	10	10	1500
	Gorleston ...	01·6	−8	SSW	5	iSo	36	75	29	6	6	–	–	10	10	1200
	Mildenhall ...	98·2	−14	S	4	SoSo	35	92	32	6	6	2	–	7-8	10	900
	Cranwell ...	35·3	−12	S	5	o/rs	34	92	33	6	5	–	–	10	10	1800
3	Birmingham ...	95·2	−4	SSW	3	Zo	37	97	37	5	6	–	–	9+	9+	800
	Upper Heyford	97·2	−8	SSW	4	ir	34	97	34	6	5	–	–	10	10	600
4	Ross-on-Wye	95·1	−4	SW	2	cf	41	92	39	6	5	–	–	9+	9+	3000
5	Hartland Point	95·6	−2	WNW	2	C	45	65	35	8	3	–	–	7-8	7-8	2400
	Bristol ...	95·5	−22	SSW	2	C	43	85	40	7	7	3	–	2-3	7-8	2500
	Portland Bill ...	96·9	−8	S	6	o/r	41	92	39	7	5	–	–	10	10	2500
	Plymouth ...	96·0	−10	ENE	2	bc	44	85	38	8	3	6	–	2-3	2-3	2000
	The Lizard ...	96·2	−6	NW	3	bc	47	75	37	8	8	6	–	4-6	4-6	2500
	Scilly (St. Mary's)	96·0	−10	WNW	1	bc	50	65	39	8	8	4	–	2-3	4-6	1500
	Guernsey ...															
6	Pembroke ...	94·9	−8	NW	3	bc	46	65	35	8	2	6	–	4-6	4-6	3000
7	Holyhead ...	93·2	+2	WNW	4	bc	42	85	37	8	1	–	–	2-3	2-3	2000
	Chester (Sealand)	93·9	0	W'S	3	Zo	45	75	38	6	8	–	–	4-6	4-6	3000
8	Manchester ...	93·8	−2	SWS	3	e/pr	37	97	37	6	2	6	–	7-8	9+	2000
10	Spurn Head ...	94·3	−12	S	6	is	35	97	34	5	5	–	–	10	10	1500
	Catterick ...	92·4	−6	S	1	cf	35	97	34	3	5	2	–	9	10	800
	Tynemouth ...	92·7	−14	SSW	3	m	35	97	35	4	–	2	–	10	10	1400
11	St. Abbs Head	91·6	−12	SW	2	Zo	33	97	33	5	5	2	–	9	10	1000
	Leuchars ...	91·6	0	–	0	iSo	34	97	34	5	–	2	–	10	10	600
12	Renfrew (Abbotsl.)	92·5	+2	SW	1	of	37	97	37	3	5	–	–	10	10	1500
	Eskdalemuir ...	91·4	−2	–	0	c	34	97	33	6	5	3	–	9	9+	300
	Point of Ayre ...	92·3	0	NNW	4	bc	43	85	38	8	2	4	–	1	2-3	2500
13A	Tiree	91·2	+2	–	0	bc	44	85	37	8	8	–	–	4-6	4-6	2500
13B	Stornoway ...	91·4	+20	WSW	3	bc	41	92	39	8	3	4	–	4-6	4-6	3000
15	Dalwhinnie ...	92·7	0	E	1	c	34	85	30	8	8	3	–	4-6	7-8	1500
	Aberdeen ...	91·7	−4	SW	1	ir	37	97	36	4	5	–	–	10	10	800
	Wick ...	91·1	+2	S	3	roro	40	92	38	8	5	7	–	4-6	9+	2200
16	Sumburgh ...	92·6	−2	SSE	7	rr	40	92	38	6	6	2	–	9+	10	800
17	Blacksod Point	93·1	−4	W'S	1	bc	44	75	37	8	2	–	9	2-3	4-6	2500
18	Malin Head ...	91·6	+2	S	2	bc	42	75	35	8	2	–	–	2-3	2-3	4000
	Aldergrove ...	93·2	−6	SW	2	Zo	38	85	33	6	5	4	9	Tr	Tr	700
19	Birr Castle ...	94·2	−10	S	1	b	43	75	36	8	–	–	–	0	0	–
20	Valentia Obsy.	94·0	−18	SSE	3	b/pr	44	75	37	9	8	–	–	1	1	2500
	Roches Point	94·6	−14	S	1	b	43	85	35	8	5	–	–	1	1	2500

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

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)	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)	98·9	+2	S	4	SoSo	34	92	31	6	5	–	–	10	10	1500	7	*
	Croydon ...	98·6	−2	S	4	SoSo	32	97	31	5	6	2	–	4-6	10	1100	4	*
	S. Farnborough	97·5	+2	S	4	SoSo	32	97	32	5	5	–	–	10	10	1000	4	*
	Boscombe Down	97·8	+4	SSE	3	o/r	32	97	32	6	5	–	–	10	10	800	1	*
	Thorney Island	99·2	−2	SSW	4	SoSo	34	97	33	6	6	2	–	9+	10	600	4	*
	Lympne ...	01·8	−2	S	4	C	33	85	28	8	5	2	–	7-8	10	3300	7	§
	Manston ...	01·0	−2	S'E	4	Zo	31	92	30	6	5	–	–	10	10	4800	8	*
2	Shoeburyness ...	01·0	0	S'W	4	sh	33	75	26	7	5	2	–	7-8	10	3500	1	*
	Felixstowe ...	00·5	+4	SSW	6	iSo	35	65	25	7	5	7	–	4-6	10	3700	4	4
	Gorleston ...	01·7	0	SSW	5	Zo	32	92	31	6	5	–	–	10	10	1500	6	5
	Mildenhall ...	98·5	+6	S	4	c/s	32	92	30	6	–	2	–	10	10	2600	7	*
	Cranwell ...	96·2	+6	S	5	o/rs	34	92	32	5	5	–	–	10	10	1000	7	*
3	Birmingham ...	96·3	+4	SSE	3	m	37	97	37	4	5	–	–	10	10	800	1	*
	Upper Heyford	97·0	+2	SSW	4	iSo	32	97	32	5	5	–	–	10	10	600	4	*
4	Ross-on-Wye	95·5	+4	W'S	1	Zo	37	92	35	5	5	–	–	1	1	1500	1	*
5	Hartland Point	95·1	0	S	2	bc	41	75	33	8	3	5	–	4-6	4-6	2000	1	4
	Bristol ...	96·1	+4	S'E	2	Zo	35	97	35	6	8	–	–	2-3	2-3	2500	1	*
	Portland Bill ...	96·6	0	S	5	o/r	41	92	39	7	5	–	–	10	10	2500	1	6
	Plymouth ...	95·5	+4	NE	1	Zo	38	85	35	5	2	–	4	Tr	4-6	2000	1	3
	The Lizard ...	95·3	0	WNW	1	bc	41	75	35	8	8	–	–	4-6	4-6	2500		4
	Scilly (St. Mary's)	95·0	0	NW'W	2	bcjp	43	75	37	8	8	4	–	4-6	4-6	1500	1	4
	Guernsey ...																	
6	Pembroke ...	94·7	+4	NE	4	bc	43	65	37	8	2	4	–	2-3	4-6	3000	1	3
7	Holyhead ...	93·7	+10	WNW	1	bc	37	92	32	8	2	–	–	4-6	4-6	2000	1	1
	Chester (Sealand)	94·3	+8	–	0	Zo	34	85	31	5	3	6	–	1	2-3	1500	1	*
8	Manchester ...	95·1	+8	–	0	m	36	97	35	4	2	–	–	9	9	2500	1	*
10	Spurn Head ...	94·8	0	SSW	5	prs	35	97	35	5	5	–	–	10	10	1500	1	4
	Catterick ...	94·0	+12	SSW	1	Zo	36	85	33	5	–	3	–	0	4-6	–	8	*
	Tynemouth ...	92·8	+6	W	2	m	36	92	33	4	8	–	–	7-8	7-8	3200	1	4
11	St. Abbs Head	91·8	+6	NW	2	Zo	35	97	32	5	5	–	–	10	10	800	4	2
	Leuchars ...	92·1	+6	–	0	iro	34	97	33	6	5	–	–	9	9	1600	4	*
12	Renfrew (Abbotsl.)	93·4	+8	W	1	f	35	97	35	1	–	–	–	10	10	150	1	*
	Eskdalemuir ...	92·9	+12	–	0	b	32	85	28	6	5	–	–	1	1	100	8	*
	Point of Ayre ...	93·3	+10	W'S	1	bc	35	97	34	8	9	–	–	4-6	4-6	3000	1	2
13A	Tiree	92·7	+10	SW'S	1	bc	38	92	35	8	8	–	–	4-6	4-6	2500	0	4
13B	Stornoway ...	92·7	+10	–	0	bc	37	92	34	7	3	4	–	2-3	4-6	2000	1	1
15	Dalwhinnie ...	94·2	+8	–	0	o	26	85	28	6	5	–	–	10	10	1500	8	*
	Aberdeen ...	92·1	+2	NW'N	2	roro	35	97	35	3	5	–	–	10	10	800	1	2
	Wick ...	92·2	+10	WSW	1	c	37	92	34	9	1	3	–	2-3	9	2000	1	*
16	Sumburgh ...	92·8	+2	S'E	6	roro	40	92	39	6	6	2	–	9	10	700	1	
17	Blacksod Point	94·0	+4	SW'W	2	c	40	92	38	8	5	–	–	9+	9+	2500	0	3
18	Malin Head ...	93·0	+14	S'W	2	bc	36	92	34	8	4	3	–	2-3	4-6	4000	1	6
	Aldergrove ...	94·0	+10	–	0	Zo	32	97	31	6	–	4	4	0	1	–	4	*
19	Birr Castle ...	94·5	+8	S	1	bc	33	92	31	8	–	4	–	0	2-3	–	1	
20	Valentia Obsy.	94·3	+10	ENE	3	iR	41	92	39	6	6	–	–	10	10	1500	1	3
	Roches Point	94·6	+4	S	1	bc	39	85	35	8	3	4	–	2-3	2-3	2500	1	

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 13th (39)	Weather. 13h.—18h. 13th (40)	Weather. 18h. 13th to 1h. 14th (41)	Weather. 1h.—7h. 14th (42)
1	London (Kew)	roshoSomo	CSoSmo	CSoSomo	SoSo,iSoC
	Croydon ...	C3oSo	CmoSoSo	3oSomom	SoSocm
	S. Farnborough	roSoSsmc	CSSmSSomo	CSoSomSoSof	SSfSomc
	Boscombe Down	CSSrSorr	CroRomo	CSoSoomo	CmoSoSo
	Thorney Island	OroroSoSomo	roSoCSoSo	oSoSom	OSoSomo
	Lympne ...	CzoC	C	C	CbCCmo
	Manston ...	C	C,iSoCm	cm,zo	Czo
2	Shoeburyness ...	roSoiSoC	shshoC	shSoSoC	bmoCmo
	Felixstowe ...	CSoSoSS	CiSoC	CiSoCmo	CbCCmo
	Gorleston ...	OidoiSo	OSSCmo	CzoQ	OiSoCmox
	Mildenhall ...	CSoSomo	CSoSomoO	OiSomo	Cmo
	Cranwell ...	SoSdroSCmo	OroSoOmo	omSo	omSo
3	Birmingham ...	orSo	oCom	CmShmo	omf
	Upper Heyford	CroSoiro	iSfSoSo	RSmoSSf	fSmroSo
4	Ross-on-Wye	CdoC	CbCb	bCbCC	Cmo
5	Hartland Point	bCC	CprbC	bCpCbC	bCbbC
	Bristol ...	CdoC	CbCmo	CidoiSo	CSoSomf
	Portland Bill ...	orr	orr	orr	orre
	Plymouth ...	bCmpro	bbCmo	bmjf	bmox
	The Lizard ...	bC	bC	bC	bCxpr
	Scilly (St. Mary's)	bC	bC	bCb	bbC
	Guernsey ...				
6	Pembroke ...	bxbbC	bC	bCz	bCbfefe
7	Holyhead ...	bCbbC	bC	bCfgprox	bCxporh
	Chester (Sealand)	CrCprmo	bCmobm	bmbCfr	ffFFxo
8	Manchester ...	roSo	prCm	bmoCm	ofCmmo
10	Spurn Head ...	OiS	oprs	omo	oSS
	Catterick ...	OroRf	Cf bCmo	bCmof	ofx
	Tynemouth ...	OroSm	Cm	bCmb	bbCCm
11	St. Abbs Head	OSoSCm	Cmo	CmobC	bCmo
	Leuchars ...	roSoCiSo	SoSoCmir	irbmox	bmox
12	Renfrew (Abbotsl.)	CmofFf	CfOf	OfC	OfC
	Eskdalemuir ...	SSSoSoC	CbCb	bCbCf	CbCfx
	Point of Ayre ...	Cb	bC	bCb	bbCbx
13A	Tiree	prbC	bC	bC	bC
13B	Stornoway ...	CbC	bC	bCb	bx
15	Dalwhinnie ...	OC	CO	*	obC
	Aberdeen ...	OroRo	prrmf	CbCiro	bCmo
	Wick ...	CCroRo	roroC	bCbx	bbCCx
16	Sumburgh ...	roRor	CmorrRo	rrRro	roiRRo
17	Blacksod Point	bC	C	pr	bC
18	Malin Head ...	pr	bC	bC	C
	Aldergrove ...	bmoxbmo	bCbmox	bmofx	bffbF
19	Birr Castle ...	b	bC	*	b
20	Valentia Obsy.	pr	pr	r	pr
	Roches Point	b	b	b	bC

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

Districts.	Forecast
1 S.E. England 2 E. England ...	Moderate or light South wind; mainly cloudy occasional snow, especially towards the west; cold with temperature rather below freezing by day and night
3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Light Southeast or variable wind; mainly dull rather persistent snow in East of area but falls not large; fog in places in Midlands, some bright intervals in the Southwest; cold with temperature near freezing
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light variable wind variable cloud; fog in many areas but especially near large towns occasional showers. cold, frost at night.
13A W. Scotland ... 13B N.W. Scotland	Light or moderate West to Southwest wind variable cloud occasional showers of rain sleet or hail local thunder, cold.
14 Mid Scotland	As 7-12
15 N.E. Scotland	As 13A-B
16 Orkneys and Shetlands 17 N. W. Ireland	As 13A - B
18 N. E. Ireland	As 7- 12
19 S. E. Ireland 20 S. W. Ireland	Light variable winds. Fair apart from local showers. Cold with frost at night.

GENERAL INFERENCE

Pressure is low near Iceland and relatively high to eastwards of British Isles. A shallow depression is situated off our Southwest coasts. A trough of low pressure off East Scotland is moving slowly east but a continuation of the same trough is moving slowly West over Midlands and South of England. Weather will be cloudy with snow at times in the Midlands and South. In Scotland Ireland and west England there will be variable cloud occasional showers and local thunder, occasional snow showers will occur also in east England. It will be cold generally with frost by day and night in the Southeast.

FURTHER OUTLOOK

Generally cold with local wintry precipitation.

Forecasts issued at 10·30 G.M.T.

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

7h. Wednesday 14th January 1942

10° 5°W. 0° 5°E 10°

60° 55° 50°

LOW

994 996 998 1000 1002 1004 1006

HIGH HIGH

STATION MODEL

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

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 14th January.

1942.

LOW

HIGH

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.

Wednesday 14th January 1942

No. 29273.

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

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	*	*	*	*	*	32	*	*	*	*	*	*	*	*	*
	Croydon	217	00·9	+10	SSE	4	s.s.	31	97	31	4	6	-	-	10	10	1200
	S. Farnborough	226	00·3	+10	SE'S	2	sf	32	97	32	3	-	-	-	10	10	<150
	Boscombe Down	417	00·0	+14	SE	2	c/s	32	97	31	5	5	-	-	10	10	500
	Thorney Island	10	01·1	+4	S	2	s.s.	33	97	33	4	-	2	-	10	10	450
	Lympne	346	03·5	+10	S	4	c	29	97	28	6	5	-	-	10	10	3000
	Manston	154	03·2	+14	S'E	3	z.	28	75	22	5	5	-	-	10	10	5100
2	Shoeburyness	11	02·8	+8	S	4	c	32	75	26	6	5	-	-	10	10	1500
	Felixstowe	15	03·1	+12	S	5	z.	33	85	28	6	-	7	-	0	10	-
	Gorleston	5	03·3	+8	S'W	5	z.	34	85	30	6	5	-	-	10	10	2500
	Mildenhall	19	01·6	+14	S'E	4	is.	31	92	29	5	5	-	-	10	10	4100
	Cranwell	240	00·4	+14	S'W	4	is.	33	92	32	4	-	2	-	10	10	800
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	99·7	+10	S	1	sf	31	97	31	3	-	-	-	10	10	<150
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	97·5	+12	ESE	3	bc	40	85	35	8	1	-	-	2-3	2-3	2500
	Bristol	209	99·2	+14	-	0	is.	33	97	32	4	5	-	-	10	10	800
	Portland Bill	32	97·5	+4	S	4	rr	39	92	36	7	5	-	-	10	10	2500
	Plymouth	82	98·1	+10	SSE	1	m	30	97	29	4	-	-	-	0	0	-
	The Lizard	240	97·3	+10	NNE	3	bc	38	75	33	8	8	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	97·1	+12	-	0	b	40	85	36	8	1	-	-	1	1	1800
	Guernsey	175															
6	Pembroke	142	98·1	+10	ENE	2	bc	37	97	36	7	2	-	-	2-3	2-3	4000
7	Holyhead	26	97·5	+14	ESE	1	bc	33	97	32	7	4	-	-	2-3	2-3	2800
	Chester (Sealand)	16	98·3	+12	SE	2	bcf-	32	92	30	3	-	7	-	0	2-3	-
8	Manchester	235	99·1	+18	S	3	m	34	97	34	4	5	-	-	10	10	3000
10	Spurn Head	29	98·9	+20	S'W	5	z.	34	97	34	5	5	-	-	10	10	1500
	Catterick	175	98·5	+18	SSE	2	F+	31	97	31	0	-	-	-	10	10	<150
	Tynemouth	108	97·5	+14	W	3	z.	35	92	33	6	-	-	-	0	0	-
11	St. Abbs Head	280	95·9	+22	WNW	2	z.	37	85	32	5	4	4	-	2-3	4-6	2500
	Leuchars	36	96·0	+19	WSW	1	z.	30	97	29	6	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	97·4	+20	-	0	F	30	97	30	1	-	-	-	10	10	<150
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	97·0	+18	WSW	2	b	32	97	32	8	4	-	-	1	1	3000
13A	Tiree	22	94·7	+10	SSW	1	bc	37	92	34	8	5	-	-	4-6	4-6	2500
13B	Stornoway	80	95·7	+10	WSW	3	b	35	92	32	7	-	-	-	0	0	-
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	35	*	*	*	*	*	*	*	*	*
	Wick	119	94·9	+12	W	1	b	31	85	27	7	5	4	-	1	1	3500
16	Sumburgh	30	94·8	+6	S'W	4	r.r.	40	97	39	6	5	2	-	9	10	1000
17	Blacksod Point	18	97·4	+10	W'S	1	bc/phr	39	85	35	8	4	-	-	2-3	2-3	2500
18	Malin Head	84	96·1	+18	S	1	bc	35	85	31	7	8	-	-	4-6	4-6	1500
	Aldergrove	268	97·9	+18	S	1	bf+	30	97	29	3	-	-	-	0	0	-
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	99·5	+26	NE'E	1	bc	33	92	31	8	5	-	1	2-3	4-6	4000
	Roches Point	22	98·4	+19	NE'N	3	z.	33	97	33	6	5	-	-	1	1	2500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 13th Hrs. (38)
London (Kew)	05·7	+26	ENE	1	c/s	29	85	26	6	5	-	-	10	10	2500	7	*	36	29	28	1	1	0·0
Croydon	05·0	+20	S'E	2	z.	28	97	28	5	5	-	-	10	10	1800	7	*	36	27	29	1	*	0·1
S. Farnborough	05·1	+28	S'W	1	z.	28	97	28	5	5	-	-	10	10	1000	7	*	36	28	26	2	2	0·0
Boscombe Down	04·7	+30	SE	2	ss	31	97	31	5	5	-	-	10	10	<150	7	*	36	31	30	4	0·3	0·0
Thorney Island	04·2	+24	E	3	s.s.	31	92	30	6	-	2	-	10	10	800	8	*	37	31	31	4	5	*
Lympne	06·1	+14	ESE	3	z.	28	97	27	6	5	-	-	9+	9+	3000	7	§4	36	27	26	-	-	0·0
Manston	06·0	+14	SE'E	2	z.	28	75	22	6	5	-	-	10	10	5000	8	*	35	27	23	Tr	-	0·0
Shoeburyness	06·1	+18	ESE	3	c	30	75	23	6	-	7	-	0	9	*	8	*	37	29	26	Tr	Tr	0·0
Felixstowe	06·3	+16	SE	4	z.	32	97	32	6	5	-	-	9+	9+	5600	4	4	37	31	30	0·2	-	0·0
Gorleston	06·8	+16	SSE	4	z.	34	92	33	6	5	-	-	10	10	2000	5	4	37	32	30	Tr	-	*
Mildenhall	06·1	+26	SE	2	z.	29	92	27	6	5	-	-	10	10	5700	8	*	36	28	23	3	0·4	0·0
Cranwell	05·6	+28	S	3	s.s.	30	97	30	4	-	2	-	10	10	450	8	*	34	30	29	3	2	0·0
Birmingham	04·4	+26	SE	2	cf	32	97	31	3	-	7	-	0	10	-	1	*	38	32	31	2	Tr	0·0
Upper Heyford	04·9	+30	SE'S	3	is.	30	97	29	4	-	2	-	10	10	900	8	*	35	30	29	3	1	*
Ross-on-Wye	04·0	+20	-	0	z.	33	92	31	6	5	-	-	10	10	2000	1	*	42	33	29	0·3	Tr	3·3
Hartland Point	02·9	+30	NE	3	bc	37	75	32	8	4	-	-	2-3	2-3	2500	1	4	47	36	32	*	0·6	4·1
Bristol	04·1	+28	-	0	of+	33	97	32	3	5	-	-	10	10	1900	1	*	44	31	31	2	Tr	1·1
Portland Bill	02·4	+10	WNW	2	c	38	92	35	7	5	2	-	4-6	10	2500	1	5	44	36	*	4	6	*
Plymouth	03·2	+28	-	0	z.	29	97	22	5	-	-	-	0	0	-	3	2	44	29	23	Tr	-	4·6
The Lizard	02·3	+26	NNE	3	pr	39	85	34	8	8	-	-	4-6	4-6	2500	0	3		36	*		1	6·5
Scilly (St. Mary's)	03·0	+32	N	3	bc	43	75	37	8	8	-	-	2-3	2-3	1800	1	3	50	37	*	-	-	5·6
Guernsey																							
Pembroke	03·3	+26	NE'E	3	bF	35	97	35	1	-	-	-	0	0	-	1	3	46	32	*	Tr	-	3·7
Holyhead	02·5	+28	E	1	bc/phr	33	97	33	7	8	-	-	2-3	2-3	2500	1	3	45	32	25	-	0·4	*
Chester (Sealand)	03·7	+26	SE	3	of-	30	97	29	2	5	-	-	10	10	100	3	*	45	30	26	2	-	2·3
Manchester	03·7	+26	SSE	3	z.	34	97	34	5	5	-	-	10	10	3000	1	*	38	32	28	3	-	*
Spurn Head	04·9	+30	S'E	5	ss	32	97	32	4	6	-	-	10	10	1500	7	4	35	31	*	3	0·5	0·0
Catterick	03·9	+26	SW	1	F.	28	97	28	1	-	-	-	10	10	<150	8	*	40	23	22	0·5	-	0·2
Tynemouth	03·0	+22	SSW	3	m	33	92	29	4	8	-	-	9	9	2500	3	3	36	32	29	2	-	*
St. Abbs Head	01·1	+24	WNW	2	z.	33	97	33	6	4	4	-	2-3	4-6	2500	1	2	35	33	*	4	-	*
Leuchars	01·2	+30	WSW	1	z.	27	97	26	6	5	-	-	2-3	2-3	3500	4	*	37	27	25	5	0·1	0·0
Renfrew (Abbots I.)	02·1	+22	-	0	F	30	97	30	1	-	-	-	10	10	<150	1	*	37	29	30	Tr	Tr	0·0
Eskdalemuir	03·2	+20	-	0	bcf	21	92	18	3	5	-	-	2-3	2-3	500	8	*	38	19	19	4	-	1·3
Point of Ayre	01·8	+24	SW'W	1	b	33	92	32	8	-	4	-	0	1	*	1	1	43	30	*	-	-	3·8
Tiree	99·8	+20	-	0	bc	35	97	35	8	5	-	-	2-3	2-3	2500	3	4	45	32	*	5	-	3·9
Stornoway	99·2	+14	SSW	4	b	38	97	38	8	8	-	-	1	1	2500	1	2	43	34	*	Tr	0·1	4·4
Dalwhinnie	02·3	+20	-	0	b	17	85	13	8	1	-	-	Tr	Tr	4000	8	*	37	17	12	-	*	3·2
Aberdeen	00·6	+32	NNW	1	z.	32	92	26	5	-	4	-	0	1	-	3	2	38	31	29	5	0·5	0·0
Wick	99·3	+24	W'N	2	c	31	85	28	7	5	1	-	2-3	9	2500	3	*	41	30	28	2	-	*
Sumburgh	97·9	+18	SSW	2	iro	40	97	39	6	5	7	-	7-8	10	1200	1	4	41	38	*	13	14	
Blacksod Point	02·4	+20	W	3	bc	38	92	36	8	9	-	-	4-6	4-6	1500	1	4	46	34	*	2	7	*
Malin Head	00·3	+18	S	2	bc	36	85	32	7	8	-	-	4-6	4-6	4000	1	6	43	33		1	-	0·0
Aldergrove	02·8	+22	S'W	1	F	32	97	31	1	-	-	-	10	10	<150	4	*	40	27	22	Tr	-	4·5
Birr Castle	03·2	+22	SSE	1	b	26	97	26	8	-	-	-	0	0	-	3		43	25	21	-	-	4·7
Valentia Obsy.	04·8	+26	ENE	2	bc/pr	39	92	37	8	3	-	-	4-6	4-6	2500	1	2	46	32	29	4	7	3·8
Roches Point	04·2	+26	N	3	bc	35	92	33	8	5	-	-	2-3	2-3	2500	1	*	45	*	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 13th January ....18h. G.M.T. — 01h. G.M.T. 14th January ....07h. G.M.T.

III	13h $C_L C_M$	13h $wwVhN_h$	13h DDFWN	18h $C_L C_M$	18h $wwVhN_h$	18h DDFWN	01h $C_L C_M$	01h $wwVhN_h$	01h DDFWN	07h $C_L C_M$	07h $wwVhN_h$	07h DDFWN
109	62	61744	17368	52	02744	20127	57	01642	24214	50	01753	24313
115	87	02844	24326	54	02844	24325	52	81844	24387	54	81844	20385
203							8-	81847	12367	50	00943	12403
206	53	01863	24225	03	00790	00002	00	00890	24300	03	01890	24213
210	57	02864	12166	57	05664	20226	00	00890	20300	00	00890	20102
220										80	81445	17285
230	80	25843	00083	30	05653	06213	00	41490	08240	5-	05655	00015
245	5-	62648	25168	57	61655	32168	02	05690	24261	5-	05661	24202
260	5-	22648	25168	5-	05548	26128	00	47190	26140	54	45251	00041
278	80	10854	24304	8-	01755	26115	50	08453	16203	51	05653	14303
279	5-	05538	00028	53	43254	00045	--	46109	12249	--	44309	32149
286	02	22638	32278	27	01634	26575				50	01635	32315
288	52	05645	16478	57	05554	18114	5-	05565	00015	00	43290	18140
575	80	00851	14111				50	05651	14101	--	46209	00049
301	26	00752	26373	20	05553	00084	50	08453	16203	--	26409	14249
321	53	05536	18476				5-	08438	16248	5-	05538	16328
299	5-	52638	18658	5-	05638	20428	5-	05638	24428	5-	52638	23458
292	5-	21448	14278	5-	47357	17167	5-	43278	15148	5-	43328	12148
310	--	46109	20249	--	46109	20249				--	46109	20249
614	52	08335	20368	5-	43328	18268	5-	45328	18348	5-	63338	16148
333	2-	01853	26413	40	04861	28301	50	05651	24101	54	05663	00014
334	--	27645	28285	--	02753	28114				--	04255	00016
340	50	01545	18245	40	05561	14111	--	44209	16x49	--	44309	16249
136	02	74528	16578	62	78535	19478	02	72668	17478	5-	05668	16478
336				50	01753	32313				--	46309	04x49
350	5-	05638	49578	52	23637	49478	5-	72548	15378	5-	68548	4378
368	8-	02756	24216	23	00651	32102						
379	5-	23728	18478	6-	23518	18478						
390	52	72445	16578	5-	47338	16478	5-	77338	16378	5-	08468	10228
382	5-	68638	17468	52	21646	15478	5-	23648	12378	5-	05648	13378
438	02	10858	22628							02	03758	10378
430	6-	74428	18578	5-	72528	18578	5-	72428	16578	5-	23528	08378
409	24	05864	29114	20	00862	00012	20	01753	32183	20	81655	01185

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
$C_L C_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 14th January
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	r₀ch₀s₀m₀	cs₀s₀ m₀	cs₀s₀m₀is₀
Croydon	cs₀s₀	cm₀s₀s₀	s₀s₀m₀cm
Greenwich	cis₀	cis₀	s₀sscm
Camden Square	c	c	*
Kensington	obcos	os	*
Hampstead	os	osx	osx

Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. 0·2, Time 7h on 14th. Min. <0·1, Time 0–5h on 14th.

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	36	29	28	1	1	0·0	*	*
Croydon	36	27	29	1	*	0·1	*	*
Greenwich	36	27	28	0·5	2	0·0	90	88
Westminster	37	30	30		1		91	90
Regents Park	36	29	27	Tr	1		84	88
Camden Square	36	30	29	0·3	2	*	*	87
Kensington	36	29	26	0·4	1		83	94
Hampstead	38	26	24	1	2		*	95

SECRET

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

BRITISH SECTION

Thursday 15th January 1942

No. 29274

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	09·9	+10	NE	2	m	32	65	22	4	–	2	–	0	10	–
	Croydon ...	09·6	+10	ENE	2	m	31	75	23	4	5	3	–	9	9+	4000
	S. Farnborough	08·7	+10	E	1	c/s	30	92	29	6	5	1	8	2-3	9+	1200
	Boscombe Down	09·9	+18	ESE	3	c/s	30	85	27	7	5	7	–	7-8	10	2500
	Thorney Island	08·2	+14	NE	3	is.	30	92	28	6	–	2	–	10	10	1200
	Lympne ...	10·4	+10	NE	3	zo	30	75	22	6	5	–	–	9+	9+	4000
	Manston ...	10·1	+8	ENE	2	zo	29	65	21	6	5	7	–	2-3	7-8	3500
2	Shoeburyness ...	10·6	+4	E	3	c	32	75	27	6	5	7	9	9	9+	2800
	Felixstowe ...	10·4	+10	E'N	3	zo	33	75	25	6	5	1	–	9+	9+	2500
	Gorleston ...	11·9	+16	ESE	4	zo	32	92	29	6	5	–	–	10	10	1000
	Mildenhall ...	10·5	+10	E'S	2	zo	33	75	26	6	–	7	–	0	9+	–
	Cranwell ...	10·9	+20	SSE	3	zo	30	85	27	6	5	–	–	9+	9+	4000
3	Birmingham ...	08·8	+12	SSE	3	o	31	92	29	6	5	–	–	10	10	800
	Upper Heyford	09·8	+14	SE	1	zo	31	97	29	6	5	7	–	9+	9+	4000
4	Ross-on-Wye	09·3	+14	SW'S	2	zo	34	92	32	5	5	–	–	10	10	800
5	Hartland Point	07·9	+18	E	3	bc	38	75	30	8	4	–	–	2-3	2-3	2500
	Bristol ...	09·3	+18	SE	3	zo	32	85	29	6	5	–	–	10	10	1500
	Portland Bill ...	08·7	+26	NE	3	c	36	85	33	8	5	–	–	10	10	2500
	Plymouth ...	08·3	+18	E	1	zo	39	85	34	5	–	–	–	0	0	–
	The Lizard ...	07·6	+20	NE	2	bc	46	75	39	8	8	6	–	4-6	4-6	2500
	Scilly (St.Mary's)	08·2	+20	N'W	1	bcjp	49	75	40	8	8	6	3	4-6	4-6	1500
	Guernsey ...															
6	Pembroke ...	08·5	+22	ESE	2	zo	42	92	41	5	7	–	–	4-6	4-6	3500
7	Holyhead ...	07·4	+18	SE	2	bc	44	85	43	8	8	–	–	4-6	4-6	2000
	Chester(Sealand)	08·7	+8	SE	3	m	35	92	32	4	5	–	–	9	9	800
8	Manchester ...	09·5	+20	–	0	m	35	92	33	4	5	–	–	10	10	3000
10	Spurn Head ...	10·3	+10	S	4	c	34	85	33	6	5	–	–	9+	9+	2500
	Catterick ...	09·6	+20	S	1	F	33	97	33	1	–	–	–	10	10	<150
	Tynemouth ...	08·7	+24	SW	3	m	35	92	32	4	5	–	–	2-3	2-3	2500
11	St. Abbs Head	06·8	+22	SW	3	c	36	92	33	8	5	4	2	4-6	7-8	2500
	Leuchars ...	06·3	+22	–	0	zo	37	65	27	6	5	–	8	2-3	2-3	4000
12	Renfrew (Abbotsl.)	07·1	+18	–	0	f-	32	97	31	2	–	–	–	10	10	<150
	Eskdalemuir ...	08·1	+12	–	0	c	31	97	29	5	5	–	–	9+	9+	300
	Point of Ayre...	07·0	+20	S	1	bc	47	75	38	8	2	4	–	4-6	4-6	2000
13A	Tiree	02·0	+14	WSW	1	bc	43	92	40	8	8	–	–	4-6	4-6	2500
13B	Stornoway ...	06·1	+14	SSW	3	c	41	92	39	8	5	7	–	4-6	9+	2500
15	Dalwhinnie ...	05·0	+10	SSW	1	bc	31	85	28	8	2	–	–	4-6	4-6	2500
	Aberdeen ...	06·5	+20	SW	1	b	39	75	31	6	–	–	1	0	1	–
	Wick ...	04·4	+20	SSW	2	bc	38	75	31	5	3	–	8	Tr	2-3	3000
16	Sumburgh ...	03·0	+24	WS	3	c	43	85	39	8	8	7	6	2-3	9	2500
17	Blacksod Point	06·4	+14	–	0	bc	46	75	39	8	–	4	4	0	4-6	–
18	Malin Head ...	04·9	+18	S'E	2	bc	42	85	38	8	2	–	2	2-3	4-6	4000
	Aldergrove ...	07·6	+22	S	1	F	37	97	31	1	–	–	–	10	10	<150
19	Birr Castle ...	07·6	+16	S	1	b	43	75	37	8	–	–	–	0	0	–
20	Valentia Obsy.	09·0	+12	NE'E	2	bc	43	85	39	9	2	–	–	1	2-3	2500
	Roches Point	08·6	+18	SW	1	bc	41	85	37	8	5	3	5	Tr	4-6	4000

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

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. (21)	% Humid. (22)	°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)	14·2	+26	NNE	2	m	31	75	25	4	5	–	–	9	9	2500	7	*
	Croydon ...	13·9	+22	NE	2	m	29	92	27	4	–	4	–	0	2-3	–	8	*
	S. Farnborough	13·8	+16	NNE	1	m	29	92	27	4	5	1	–	4-6	7-8	2000	7	*
	Boscombe Down	14·4	+24	ENE	1	zo	29	85	25	6	–	–	–	0	0	–	4	*
	Thorney Island	13·8	+26	N	1	zo	29	92	28	5	–	7	–	0	10	–	7	*
	Lympne ...	13·9	+26	–	0	zo	28	85	23	6	5	–	–	9+	9+	4500	7	2
	Manston ...	13·8	+30	NE	1	zo	25	85	21	5	5	3	–	2-3	7-8	3000	8	*
2	Shoeburyness ...	14·2	+22	NE	2	c	31	85	28	7	5	7	–	7-8	9+	2500	4	*
	Felixstowe ...	14·6	+26	E'N	3	zo	32	75	24	6	5	–	8	2-3	7-8	2000	4	3
	Gorleston ...	15·4	+22	E	3	zo	32	92	31	6	5	–	–	10	10	1500	5	4
	Mildenhall ...	15·1	+30	NNE	2	zo	27	97	27	5	–	7	–	0	7-8	–	8	*
	Cranwell ...	15·6	+30	–	0	m	19	97	28	4	–	–	–	0	0	–	8	*
3	Birmingham ...	14·4	+30	–	0	m	31	92	29	4	5	–	–	1	1	2500	1	*
	Upper Heyford	14·5	+16	ENE	1	zo	25	97	25	5	–	–	–	0	0	–	8	*
4	Ross-on-Wye	14·1	+20	E'S	1	zo	32	85	29	5	5	–	–	10	10	800	1	*
5	Hartland Point	12·2	+20	ESE	3	bc	34	85	33	7	5	–	–	2-3	2-3	2400	1	3
	Bristol ...	14·2	+24	SSE	2	zo	31	85	28	5	5	–	–	10	10	2400	1	*
	Portland Bill ...	13·7	+26	NE	3	c	34	85	31	7	5	–	–	7-8	7-8	2500	1	4
	Plymouth ...	13·4	+30	SE	1	m	34	85	31	4	5	–	–	Tr	Tr	2000	3	2
	The Lizard ...	12·2	+12	E	3	bc	41	85	37	8	8	6	–	4-6	4-6	2500	0	3
	Scilly (St.Mary's)	11·5	+18	SE	1	c/pr	43	85	39	8	8	4	–	4-6	7-8	1500	1	3
	Guernsey ...																	
6	Pembroke ...	12·2	+12	SE	4	zo	41	85	37	6	2	7	–	4-6	4-6	4000	1	3
7	Holyhead ...	11·2	+24	SE	2	c	38	92	36	8	8	6	–	7-8	9	1900	1	3
	Chester(Sealand)	13·3	+26	SE'E	3	m	35	85	31	4	5	–	–	9+	9+	1000	3	*
8	Manchester ...	14·0	+30	S'E	3	m	33	92	31	4	5	–	–	10	10	1500	1	*
10	Spurn Head ...	15·0	+10	S	2	o	34	92	31	7	5	–	–	10	10	2500	7	3
	Catterick ...	14·8	+30	SE	2	f-	31	97		3	–	–	–	10	10	<150	1	*
	Tynemouth ...	13·7	+24	S	4	m	34	92	33	4	5	–	–	10	10	1800	1	3
11	St. Abbs Head	12·0	+20	SW	4	zo	34	97	32	5	4	4	–	2-3	2-3	2500	1	2
	Leuchars ...	11·6	+32	–	0	m	32	97	32	4	5	–	–	9+	9+	4000	4	*
12	Renfrew (Abbotsl.)	11·0	+22	S'E	2	zo	37	85	34	5	5	–	–	9	9	2500	1	*
	Eskdalemuir ...	12·6	+26	–	0	o	32	97	31	5	5	–	–	10	10	200	8	*
	Point of Ayre...	11·1	+20	S'W	2	bc	39	92	36	7	8	–	–	2-3	2-3	1500	1	1
13A	Tiree	08·0	+12	–	0	bc/pr	38	97	37	8	8	–	–	2-3	2-3	2500	0	4
13B	Stornoway ...	06·8	+14	S	3	c/pr	42	92	40	7	5	7	–	7-8	9+	2000	1	2
15	Dalwhinnie ...	11·2	+24	S	3	bc	33	85	29	8	8	–	–	2-3	2-3	2500	8	*
	Aberdeen ...	11·4	+30	SW	2	m	35	85	31	4	–	–	–	0	0	–	3	2
	Wick ...	08·7	+24	S'W	2	b	37	85	33	9	–	–	–	0	Tr	–	1	*
16	Sumburgh ...	09·1	+36	SW	3	bc	43	75	37	8	8	–	–	2-3	2-3	2500	1	4
17	Blacksod Point	07·8	+10	S'W	3	bc	44	75	37	8	–	6	–	0	4-6	–	0	3
18	Malin Head ...	08·7	+22	S	3	b	36	92	34	8	–	–	–	0	0	–	1	5
	Aldergrove ...	11·0	+12	–	0	m	33	97	32	4	5	–	–	10	10	600	4	*
19	Birr Castle ...	09·8	+2	S	1	b	34	92	32	8	–	–	–	0	0	–	3	
20	Valentia Obsy.	10·1	+6	SEE	3	b	39	85	35	9	2	–	1	Tr	1	2500	1	2
	Roches Point	10·9	+14	E	1	b	38	85	34	8	–	4	–	0	1	–	1	*

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 14th (39)	Weather. 13h.—18h. 14th (40)	Weather. 18h. 14th to 1h. 15th (41)	Weather. 1h.—7h. 15th (42)
1	London (Kew)	is o m z	c b c c z	c b e b m	o f F x
	Croydon ...	q m o w s o	c m o c m	b c m b f x	b f x b m x
	S. Farnborough	s m o f s o c	c s o m o m	c m b m b f	b f F x o
	Boscombe Down	c i s o m o	c m o b m o x	b m o x	b m o x
	Thorney Island	o s o s o i d o	*	c m o b m o m	b m
	Lympne ...	c m o z o	c z o m o	b m o b	b m x
	Manston ...	c z o i s o	c z b c m o	q m o b z o m o	b m o
2	Shoeburyness ...	c m o c c m o	c m o c	c b m o	b m o c m o x
	Felixstowe ...	c m o	c, m o	b z o	b c z o
	Gorleston ...	c m o x	c m o x	c m o	b c m o x
	Mildenhall ...	c m o	c m o	b m o	b m
	Cranwell ...	c m o	c m o b m	b m f m o	b, c m
3	Birmingham ...	f o	o c m	b m	b f x
	Upper Heyford	o s o s o c m o	c b c b m o	b m	b m b f
4	Ross-on-Wye	o m o	o m o		b m o x
5	Hartland Point	c	b c b c	b c b	b x
	Bristol ...	c f m m o d o	c m o	b m b m	b m
	Portland Bill ...	c	c	b c b c	b b c
	Plymouth ...	b m j f	b b m o	b m o	b m o x
	The Lizard ...	b c	b c	b c c	b c e
	Scilly (St.Mary's)	b c c b c	c p o	c b c	b c c
	Guernsey ...				
6	Pembroke ...	b c m o	b c m o	c q	b c c q
7	Holyhead ...	b c j p c	b c c	b c b c	b x
	Chester(Sealand)	o f F m x	c b c m o b m	c, b m x	b m x
8	Manchester ...	o m	o m m c	b m o	b m o x
10	Spurn Head ...	c	c o	c o	c
	Catterick ...	o F F x F	o F F	c b f x	c f p F
	Tynemouth ...	c b c m	c o m	m o	o c
11	St. Abbs Head	b c	b c	b c c m o	c m o
	Leuchars ...	b m o x f m o	b m o c m	c m c m o	c m o b m o x
12	Renfrew (Abbotsl.)	o F f e	o f c m m o	c m o	c m o b c c
	Eskdalemuir ...	c p f x c	c o m o	b c m o	c b c b
	Point of Ayre...	c b c b	c b c	b c c o r o	c b c
13A	Tiree	p r b c	p r b c	p r b e	c
13B	Stornoway ...	b c c	c p	c p r	c
15	Dalwhinnie ...	b c	b c	*	b c c b c
	Aberdeen ...	b f x b x	b i f 2 x	b z x c z o	c x o
	Wick ...	c x b c x	b c x b	b b c c	b c
16	Sumburgh ...	c m o r o c	c, b	b	b x p h p r
17	Blacksod Point	b c	b c	b	b c
18	Malin Head ...	b c	b	b.	b c
	Aldergrove ...	o F F e x	F F, o m e	o f e b m x	b c m o x b c c
19	Birr Castle ...	b c	b c	*	b c
20	Valentia Obsy.	c p r b c	p r	p r	p r
	Roches Point	b	b	c	p r

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ...	Winds freshening from south-east; fair but cloud slowly increasing; very cold with persistent frost.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Fresh to strong S.E. to S. wind, gale on coasts and exposed places inland, veering slightly and easing; becoming dull with rain on coasts and snow and sleet inland, becoming milder with thaw probable inland.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Freshening southerly wind; cloudy; cold with temperature mostly below freezing.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland	As 4-8
15 N.E. Scotland	Southerly gales; cloudy to overcast; some sleet or snow likely later; cold.
16 Orkneys and Shetlands	
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Strong to gale southerly winds, veering and easing; dull; rainy; some improvement by tomorrow; becoming milder.

GENERAL INFERENCE

High pressure persists to eastwards of the British Isles. A deep depression off S.W. Iceland and a trough of low pressure extending to east of the Azores are moving east. Weather will continue fine and frosty in East and South-East England. Southerly gales will occur in the West and extreme North. Rain will set in in the extreme West and advance eastwards with snow and sleet in West England, Wales, North-West England and West Scotland.

FURTHER OUTLOOK

Continuing cold and probably dry in eastern districts.

Gale warning issued at 2200h on 14:1:41. in district 13B. also at 0355h on 15:1:41. in districts 13A, 17, 18(part of), and 20. also at 0515h on 15:1:41. in districts 5(part of) 6, 7, 8, 12, 18(part of).

Forecasts issued at 10·30h. G.M.T.

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

7h. Thursday 15th January. 1942

HIGH

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in mbs.

Dew Point °F

Bar. tendency

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 15th January 1942.

Clarke's Projection Scale 1 : 4 x 10⁷ 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 15th January 1942 — No. 29274

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

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	*	*	*	*	*	26	*	*	*	*	*	*	*	*	*
	Croydon ...	217	18·3	+14	SSE	1	bf	17	92	15	3	-	-	-	0	0	-
	S. Farnborough	226	20·0	+36	-	0	bf-	15	97	15	2	-	-	-	0	0	-
	Boscombe Down	417	18·0	+8	ENE	1	zo	24	92	23	5	-	-	-	0	0	-
	Thorney Island	10	17·4	+14	NE'N	2	m	23	92	20	4	-	-	-	0	0	-
	Lympne ...	346	18·0	+14	ENE	1	m	21	75	15	4	-	-	-	0	0	-
	Manston ...	154	18·5	+18	E'N	1	zo	27	85	23	5	-	-	1	0	1	-
2	Shoeburyness ...	11	18·5	+20	E'S	3	b	31	75	25	6	5	-	-	1	1	1500
	Felixstowe ...	15	18·9	+16	E'S	3	zo	32	92	30	6	-	-	-	0	0	-
	Gorleston ...	5	20·1	+20	ESE	3	zo	33	92	25	6	5	-	-	7-8	7-8	1500
	Mildenhall ...	19	19·6	+20	NE'N	2	m	23	92	21	4	-	-	-	0	0	-
	Cranwell ...	240	19·8	+18	-	0	b/p	17	97	16	4	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18·8	+18	-	0	m	21	97	21	4	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·7	+12	ESE	3	b	32	85	27	7	-	-	-	0	0	-
	Bristol ...	209	19·3	+22	-	0	m	23	92	21	4	-	-	-	0	0	-
	Portland Bill ...	32	17·6	+2	NE	3	bc	30	85	28	7	4	-	-	2-3	2-3	4000
	Plymouth ...	82	17·0	+14	ESE	4	zo	33	85	29	6	5	-	-	Tr	Tr	3000
	The Lizard ...	240	15·3	+8	SE	4	c	42	75	36	8	8	-	-	7-8	7-8	1500
	Scilly (St.Mary's)	163	14·2	+8	S'E	3	bc	44	85	38	8	8	-	-	4-6	4-6	1500
	Guernsey ...	175															
6	Pembroke ...	142	15·8	+12	SE	5	cq	39	75	34	7	5	-	-	7-8	7-8	2500
7	Holyhead ...	26	14·3	+12	SSE	4	b	38	85	33	7	5	-	-	1	1	3000
	Chester(Sealand)	16	17·7	+12	SE	2	m	29	85	25	4	-	-	-	0	0	-
8	Manchester ...	235	18·3	+14	SSE	2	zo	27	97	27	5	-	-	-	0	0	-
10	Spurn Head ...	29	19·4	+14	SE	1	c	35	75	28	6	5	-	-	10	10	1500
	Catterick ...	175	19·8	+18	SSE	1	bf+	25	97	24	3	-	-	-	0	0	-
	Tynemouth ...	108	19·6	+12	S	3	zo	32	85	28	6	5	-	-	10	10	1500
11	St. Abbs Head	280	16·4	+12	SSW	4	zq	33	97	32	5	5	-	-	10	10	1500
	Leuchars ...	36	15·9	+12	SW	1	zo	37	85	33	5	5	-	-	9+	9+	3500
12	Renfrew (Abbotsl.)	19	15·3	+6	ESE	1	zo	37	85	33	5	5	-	-	10	10	1400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	15·2	+10	S'E	6	zo	39	85	36	6	6	2	-	7-8	10	1500
13A	Tiree	22	10·2	0	SSE	4	c	39	92	38	8	8	-	-	4-6	4-6	1800
13B	Stornoway ...	80	10·3	+2	S	6	c/pr	43	92	41	7	5	7	-	4-6	9+	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	39	*	*	*	*	*	*	*	*	*
	Wick ...	119	14·0	+22	S'W	3	c	39	75	33	7	5	-	-	9	9	4000
16	Sumburgh ...	30	14·8	+22	S'W	4	bc	42	85	36	8	5	-	-	2-3	2-3	3500
17	Blacksod Point	18	06·4	-16	SSE	4	b	41	85	37	8	-	-	-	0	0	-
18	Malin Head ...	84	09·9	- 6	S	3	b	33	85	29	8	-	-	-	0	0	-
	Aldergrove ...	268	12·5	-10	SE	1	m	31	92	30	4	-	-	-	0	0	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	07·0	-26	SSE	6	pr	44	75	37	8	3	1	-	7-8	10	2500
	Roches Point	22	10·5	-14	E'N	5	c	43	85	39	8	5	-	-	7-8	7-8	1500

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

Barom. at M.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)
19·3	-6	-	0	F+	19	97	19	1	-	-	-	10	10	<150	7	*
19·7	+6	SSE	1	m	21	92	19	4	-	-	-	0	0	-	8	*
19·9	-2	-	0	F+	15	97	15	1	-	-	-	10	10	<150	8	*
19·8	+6	-	0	m	21	97	20	4	-	-	-	0	0	-	4	*
19·0	-2	NNE	1	m	20	97	18	4	-	-	-	0	0	-	8	*
19·6	0	NE	1	m	26	85	23	4	2	-	-	2-3	2-3	3000	8	§
19·6	+4	E'N	2	m	27	85	22	4	5	-	-	1	1	2000	8	*
19·9	+2	E'S	3	c	31	85	26	6	5	-	-	7-8	7-8	2500	4	*
20·3	+4	E	4	zo	32	75	24	6	5	-	-	4-6	4-6	2500	4	
21·5	+10	SE'S	4	zo	31	97	30	6	5	-	-	4-6	4-6	1500	5	4
20·6	0	ENE	3	m	20	92	19	4	-	-	-	0	0	-	8	*
20·4	- 6	SE'E	3	m	25	97	22	4	5	-	-	Tr	Tr	3500	8	*
19·9	0	SE	2	bf	24	92	22	3	-	-	-	0	0	-	3	*
19·5	-2	ESE	3	bf	21	97	21	3	-	-	-	0	0	-	8	*
19·0	0	E'N	1	m	23	97	22	4	-	-	-	0	0	-	3	*
15·2	-2	ESE	3	b	30	92	27	7	-	-	-	0	0	-	3	3
19·1	+2	E	1	bf+	19	92	18	3	-	-	-	0	0	-	3	*
17·2	-2	E	4	bc	35	85	32	7	5	-	-	4-6	4-6	4000	1	4
16·7	-4	E	3	zo	32	85	29	6	5	-	-	4-6	4-6	3500	3	2
13·5	-10	SE	5	c	43	85	38	7	8	2	-	Tr	10	1500	0	4
11·6	-10	SE	5	pr	46	85	42	8	8	-	-	9	9	1500	1	4
13·2	-10	SE	7	cq/b	38	85	33	7	8	-	-	7-8	7-8	2500	1	3
14·1	+6	SE	4	cq/b	34	75	25	7	-	-	-	0	0	-	0	3
18·2	+2	SE	3	m	26	92	23	4	-	-	-	0	0	-	3	*
19·1	-2	SSE	3	zo	29	85	25	5	-	-	-	0	0	-	3	*
20·5	0	ESE	5	c	33	85	29	7	7	-	-	7-8	7-8	1500	7	4
21·5	+2	W'S	1	F+	20	97	20	1	-	-	-	10	10	<150	8	*
20·0	- 6	S	4	c	33	75	27	6	8	-	-	9+	9+	1500	3	3
17·0	-10	S	5	zo	31	85	27	5	5	2	-	7-8	9+	2500	0	2
18·2	+8	SSE	2	zo	32	85	27	6	-	-	-	0	0	-	4	*
19·1	-2	SSE	3	zo	29	85	25	5	-	-	-	0	0	-	3	*
08·9	-14	SE'S	7	c	41	97	40	7	5	-	-	9+	9+	1500	0	6
09·9	0	SSE	7	c	43	92	41	7	5	7	-	7-8	9+	2000	1	4
15·7	-2	SE	5	bc	29	75	22	7	8	-	-	4-6	4-6	1500	8	*
18·4	+4	S'E	4	c	38	75	31	6	6	2	-	7-8	10	1100	1	2
16·0	+6	S	6	bc	39	85	34	7	5	-	-	2-3	2-3	3500	1	*
18·9	+22	SSW	6	pr	40	92	38	8	9	-	-	10	10	1500	1	4
99·8	-34	SSE	5	cq	43	92	41	7	5	-	-	9+	9+	1500	0	5
06·9	-18	S	5	c	39	85	35	7	8	-	-	7-8	7-8	1500	0	5
11·3	-10	SE'S	4	c	38	85	35	7	5	-	-	10	10	1800	1	*
05·2	-28	S	5	c	42	85	38	8	5	-	-	10	10	2500	1	*
99·6	-38	S'E	7	rr	46	85	42	6	6	-	-	10	10	1500	1	5
04·9	-30	SSE	8	cfo	48	85	44	8	6	-	-	7-8	7-8	1500	1	

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 14th Hrs. (38)
32	19	4	Tr	Tr	0·0
31	14	9	Tr	-	0·3
31	8	3	0·3	-	0·0
27	19	16	Tr	-	0·6
31	16	15	2	-	*
31	17	10	-	-	0·7
30	23	15	0·2	-	0·2
33	25	21	-	-	0·0
33	31	26	-	-	0·0
35	31		-	-	*
34	19	11	-	-	0·9
31	17	6	Tr	-	0·2
33	23	15	-	-	0·0
32	21	15	-	-	*
35	23	15	-	-	0·0
39	30	28	-	-	5·9
33	18	12	Tr	-	0·0
41	30	*	-	-	*
40	31	28	-	-	0·0
47	40	*	2	-	7·3
50	40	*	0·3	9	4·4
42	32	*	-	-	2·9
45	32	27	-	Tr	*
36	26	23	-	-	2·0
35	25	20	0·2	-	*
34	31	*	2	-	0·0
38	20	18	-	-	0·0
35	32	30	-	-	*
36	30	*	-	-	*
42	32	*	-	-	*
44	36	*	0·3	1	3·2
42	33	*	0·1	Tr	2·1
35	29	26	-	-	3·7
39	35	29	-	-	4·6
40	36	32	-	-	*
44	39	27	0·2	0·4	0·0
49	40	*	1	-	*
43	30	*	-	-	0·0
33	25	22	0·2	-	0·0
44	30	25	-	-	3·6
45	38	31	1	2	4·6
46		*	-	3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 14th January 18h. G.M.T. — 01h. G.M.T. 15th January 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 80	00851	19283	00	00890	16301	50	01854	17414	50	02765	47735
115 52	01944	16385	54	01944	20325	54	01954	16314	54	01954	16415
203						50	01943	12413	5-	02846	08316
206 03	00890	24213	5-	01763	00013	50	00762	00012	50	00863	16413
210 04	00890	14211	04	00990	18201	50	01963	12313	04	00890	45521
220									52	45345	17628
230 8-	02856	10860				8-	05647	30187	8-	25645	14385
245 00	01890	20103	5-	02767	00018	5-	05648	16328	5-	05658	15428
260 50	01864	16124	4-	08465	00015	5-	08464	10126	50	05651	12411
278 5-	41537	14247				5-	02758	46428	52	05646	45627
279 13	08453	04114	53	47364	00027	00	41490	12 40			
285									5-	05636	08426
288 5-	05638	16428	5-	08438	16228	5-	05668	15128	57	08463	00043
575 --	46109	12249	--	46109	08149	--	47109	12249	8-	02757	47527
301 53	05554	14345				00	41490	14400	00	08490	14300
321 52	78648	15378	57	05664	12278	5-	08458	00028	5-	08456	00026
299			50	05645	20415	00	00790	12100	50	01755	12315
292 5-	24428	11348	5-	08428	11258	5-	08457	07117	5-	08457	09117
310 --	44109	20249							--	05638	08328
614 5-	05538	14128	07	08490	14124	00	47290	02140	5-	45353	08143

13h. G.M.T. 14th January 18h. G.M.T. — 01h. G.M.T. 15th January 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 1-	01654	16114				5-	01754	14514	00	00890	47600
334 --	04461	00002	--	01690	02201				--	01790	12102
340 5-	08437	14248	50	05561	14321	00	45390	12240			
136 08	05690	11324	07	05690	10126	00	05590	06110			
336 --	46109	28349	--	47309	28349				50	05534	12314
350 07	05690	12127	54	05552	06214	00	05590	04100			
368 8-	05557	06327	5-	05548	07128				00	05590	08400
379 5-	05548	12228	50	05690	10110	00	05590	06100	00	05590	10200
390 57	08465	04228	07	08490	02127	00	45390	32140	00	08490	08240
382 07	05690	00027	04	08490	06211	00	05590	32100	00	08490	18100
438 02	71328	04378									
430 5-	23658	06378	5-	05567	04127	50	08462	00012	50	05563	32243
409 50	05862	08112	04	05690	10201	04	05690	10501	50	05653	45503

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C$_L$C$_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	15.0mz	cbccz	cbcoffx	Kew 24 hours ended 7h.
Croydon ...	qmwSo	cncm	bcmfx	Max. Time
Greenwich ...	cm	c	bcbfx	1·4 7h.15h.
Camden Square	0	bc		Min. Time
Kensington ...	0	0		0·2 23-24h. 1·2
Hampstead ...				

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	32	19	4	Tr	Tr	0·0	*	*
Croydon ...	31	14	9	Tr	-	0·3	*	*
Greenwich ...	31	17	11	-	-			
Westminster ...	34	27	27		-		98	78
Regents Park ...	32	22	10	-	-		89	98
Camden Square	33	21	16	-	-	*	*	90
Kensington ...	32	21	11	Tr	-		88	96
Hampstead ...							*	

SECRET

Page 1

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

Friday 16th January 1942

No. 29,275

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

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)	18·7	-16	-	0		26	92	23	1				9	9	400
	Croydon ...	19·2	-14	ESE	2		28	92	26	4	5	-	-	9+	9+	1300
	S. Farnborough	18·4	-18	E	3		26	97	25	4	5	-	-	10	10	1200
	Boscombe Down	18·2	-14	ENE	3		28	92	26	5	5	-	-	10	10	2500
	Thorney Island	17·8	-14	ENE	2		31	85	28	5	5	-	-	9+	9+	1500
	Lympne ...	19·8	-18	ESE	3		30	85	26	5	5	-	-	10	10	1200
	Manston ...	19·3	-18	SE	3		30	85	27	5	5	-	-	4-6	4-6	1200
2	Shoeburyness ...	19·6	-14	ESE	3	bc	33	75	26	6	5	-	-	4-6	4-6	2200
	Felixstowe ...	20·1	-10	SE	4		33	75	26	6	5	-	-	9	9	1500
	Gorleston ...	21·1	-6	SE	4		32	85	28	6	8	-	-	7-8	7-8	2000
	Mildenhall ...	20·2	-18	ESE	3		31	75	24	6	-	-	-	0	0	-
	Cranwell ...	19·9	-16	SE	4		28	85	24	6	-	-	-	0	0	-
3	Birmingham ...	17·3	-12	SE	3		29	85	25	6	1	-	1	Tr	1	2500
	Upper Heyford	18·8	-10	S	1		27	92	25	4	5	-	-	9+	9+	1000
4	Ross-on-Wye	17·0	-16	SE	3		30	75	25	6	-	-	6	0	4-6	-
5	Hartland Point	19·8	-38	SE	5	c	37	75	29	7	5	1	8	7-8	9+	1200
	Bristol ...	16·4	-28	SE	3		28	85	24	5	-	-	6	0	7-8	-
	Portland Bill ...	18·8	-16	SE	4		38	92	36	7	5	2	-	7-8	10	2500
	Plymouth ...	13·8	-30	SE	4		40	92	33	6	5	1	-	9	10	2500
	The Lizard ...	10·7	-24	SSE	7		44	75	37	7	8	2	-	9	10	1500
	Scilly (St. Mary's)	06·7	-30	SE	6	c	47	92	46	7	5	2	-	7-8	10	1500
	Guernsey ...															
6	Pembroke ...	10·8	-20	SE	8	cq	40	85	33	6	8	2	-	7-8	10	3500
7	Holyhead ...	11·4	-22	SSE	6		37	55	21	7	-	2	-	9+	9+	5000
	Chester (Sealand)	15·8	-22	SE	3		31	85	25	4	-	-	6	0	4-6	-
8	Manchester ...	17·5	-18	SE	4		32	75	26	6	1	-	6	Tr	4-6	3000
10	Spurn Head ...	20·4	-12	SE	5	c	33	92	31	7	8	-	-	9	9	2500
	Catterick ...	18·6	-20	S	3		30	85	25	4	8	3	-	7-8	7-8	2200
	Tynemouth ...	19·3	-10	SSE	6	c	34	85	28	7	8	-	-	7-8	7-8	2300
11	St. Abbs Head	16·8	-10	S	6	c	32	85	28	7	5	7	-	4-6	10	2000
	Leuchars ...	17·1	-14	SSE	6		35	75	28	6	5	-	-	7-8	7-8	2500
12	Renfrew (Abbots I.)	13·4	-30	ESE	5		33	85	28	5	-	-	6	0	9+	-
	Eskdalemuir ...	16·4	-14	SSE	3	bc	30	85	22	6	5	4	6	1	4-6	2800
	Point of Ayre ...	12·4	-30	SE	8		36	85	30	6	6	-	7	2-3	10	800
13A	Tiree	04·8	-26	SSE	7	c	38	92	35	7	5	-	-	9+	9+	1800
13B	Stornoway ...	08·8	-14	SE	7	c	40	85	35	8	5	7	2	7-8	9+	2000
15	Dalwhinnie ...	13·5	-18	SE	6	c	28	85	22	7	4	1	2	2-3	7-8	1500
	Aberdeen ...	18·0	-6	SE	5		37	65	29	6	6	2	-	4-6	10	900
	Wick ...	16·2	-8	SSE	6	ph	38	75	30	8	8	-	-	9	10	1200
16	Sumburgh ...	20·1	-2	SSE	6	c/rs	38	75	30	7	5	7	-	9	10	2500
17	Blacksod Point	04·0	-26	SE	7		47	85	43	7	6	*	*	10	10	800
18	Malin Head ...	01·9	-30	SSE	7	c	38	75	32	6	6	2	*	4-6	9	1500
	Aldergrove ...	07·7	-26	SE	6	c	37	75	31	7	5	2	*	2-3	10	7000
19	Birr Castle ...	00·8	-32	S	6	ir	44	85	40	7	6	2	-	7-8	10	1500
20	Valentia Obsy.	32·5	-38	SSE	8		49	92	47	6	6	2	-	9	10	2500
	Roches Point	33·3	-30	SSE	8		48	85	44	6	6	2	-	7-8	10	800

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

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)	16·1	-14	ESE	3		31	85	28	4	5	-	-	10	10	2500	8	*
	Croydon ...	16·4	-12	ESE	2		30	92	28	4	5	-	-	10	10	1000	8	*
	S. Farnborough	15·0	-18	ESE	3		30	97	28	3	5	-	-	10	10	1000	8	*
	Boscombe Down	14·8	-14	ESE	4		30	97	28	4	5	-	-	10	10	2000	8	*
	Thorney Island	15·4	-10	SE'S	3		35	85	31	6	5	-	-	10	10	2300	8	*
	Lympne ...	18·4	-12	SE	3		32	85	28	4	5	-	-	7-8	7-8	2200	7	4
	Manston ...	18·0	+10	ESE	3		30	85	27	4	5	-	-	9+	9+	5000	8	*
2	Shoeburyness ...	17·9	-10	ESE	4	bc	32	85	28	6	6	-	-	2-3	2-3	2500	4	*
	Felixstowe ...	18·2	-12	SE	5		33	85	28	5	5	-	-	10	10	1500	4	4
	Gorleston ...	19·6	-8	SE	5		33	85	30	6	8	-	-	9	9	1700	5	5
	Mildenhall ...	17·8	-6	ESE	4		28	85	24	5	5	7	-	4-6	4-6	1300	8	*
	Cranwell ...	17·3	-12	ESE	3		26	92	23	4	-	-	7	0	9+	-	8	*
3	Birmingham ...	14·5	-20	ESE	3		28	85	24	4	5	-	-	10	10	1500	3	*
	Upper Heyford	15·8	-12	E	4		28	92	25	3	-	-	-	10	10	1500	8	*
4	Ross-on-Wye	13·5	-20	E'S	3		30	85	27	5	5	2	-	7-8	10	2000	3	*
5	Hartland Point	06·5	-20	ESE	5		38	75	31	7	5	7	-	4-6	9+	1200	1	3
	Bristol ...	13·1	-14	ESE	4		31	85	27	4	5	-	-	10	10	1500	3	*
	Portland Bill ...	11·9	-14	SE	4		38	92	35	7	5	-	-	7-8	7-8	2500	1	4
	Plymouth ...	08·6	-26	SSE	6		42	85	38	6	5	1	-	9	10	1800	1	3
	The Lizard ...	05·0	-32	SSE	8		45	85	40	7	8	2	-	9	10	1500	0	6
	Scilly (St. Mary's)	00·5	-32	SSE	7	c	48	85	45	6	5	2	-	7-8	10	1200	1	5
	Guernsey ...																	
6	Pembroke ...	04·8	-20	SE	8	cq	42	85	34	6	8	-	-	10	10	2500	1	5
7	Holyhead ...	06·7	-22	SE	6	c	37	55	21	6	5	2	-	7-8	10	5000	3	4
	Chester (Sealand)	12·3	-22	ESE	4		31	92	28	4	-	7	-	0	10	-	3	*
8	Manchester ...	14·7	-18	SE	4		29	85	23	5	5	-	-	10	10	2000	3	*
10	Spurn Head ...	17·6	-12	SE	6	c	34	92	32	7	8	4	-	7-8	9	2500	7	4
	Catterick ...	17·0	-14	SSE	3		28	85	23	5	5	-	-	10	10	1900	8	*
	Tynemouth ...	16·7	-10	SSE	6	c	34	87	31	7	8	-	-	9+	9+	2500	3	4
11	St. Abbs Head	14·6	-14	SSW	6	cq	32	87	32	6	5	2	-	4-6	7-8	1500	0	4
	Leuchars ...	15·6	-6	SE	7		32	75	27	6	-	7	5	0	4-6	-	3	*
12	Renfrew (Abbots I.)	11·7	-8	SE'E	5		32	65	23	4	5	7	8	2-3	9+	4000	3	*
	Eskdalemuir ...	13·8	-14	SE	6	c	26	75	19	6	5	-	-	9+	9+	1900	8	*
	Point of Ayre ...	09·4	-6	S'E	8		35	75	28	6	6	2	-	7-8	10	800	0	6
13A	Tiree	02·8	-12	SE'S	7	c	38	85	32	6	5	-	-	10	10	1200	0	6
13B	Stornoway ...	04·3	-10	ESE	7	c	40	75	32	7	5	7	-	7-8	10	2000	1	5
15	Dalwhinnie ...	11·7	0	SE	6	c	26	85	22	7	5	-	6	4-6	7-8	1800	8	*
	Aberdeen ...	16·5	-8	SSE	5	c	37	65	28	6	6	2	-	7-8	10	900	1	5
	Wick ...	14·0	-12	SSE	7	c	38	75	30	7	5	-	-	7-8	10	600	1	*
16	Sumburgh ...	13·7	0	SSE	7	c	37	75	30	7	5	-	-	10	10	2500	1	4
17	Blacksod Point	88·7	-24	SE'S	7		48	92	46	7	6	-	-	10	10	800	1	4
18	Malin Head ...	08·4	-6	SSE	8	c	38	65	28	6	6	-	-	9	9	800	0	5
	Aldergrove ...	03·8	-20	SE'E	5	c	37	75	30	7	5	1	-	7-8	10	7200	1	*
19	Birr Castle ...	05·8	-18	S	6	ir	44	92	42	7	6	2	-	7-8	10	1500	1	
20	Valentia Obsy.	35·5	-38	S	7	rr	50	92	48	6	6	2	-	9+	10	1500	1	6
	Roches Point	33·6	-30	SE	8		49	85	46	6	6	2	-	7-8	10	800	1	*

PAST 24 HOURS.

Weather. 7h.—13h. (39)	13h.—18h. (40)	18h.—1h. (41)	1h.—7h. (42)

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

Districts.	
1 S.E. England 2 E. England ... 3 E. Midlands ...	Fresh southeast wind, strong locally near the coast, probably backing later; dull, misty at times; temperatures a few degrees above freezing point.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales	Fresh to strong southeast to south winds, decreasing slowly; dull; rain at times near the coast, some snow or sleet at times inland especially over higher ground. Improved conditions later in the West less cold.
8 N.W. England 9 N. Midlands ... 10 N.E. England	As 1-3
11 S.E. Scotland	As 15-16
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland	Fresh to strong southeast winds, decreasing slowly; dull; some rain, sleet or snow, chiefly near the west coast; cold.
15 N.E. Scotland	Strong southeast wind, gale at times on coast; cloudy, some showers
16 Orkneys and Shetlands	of rain or sleet; rather cold.
17 N.W. Ireland	As 19-20
18 N.E. Ireland 19 S.E. Ireland	Fresh southeast wind backing east; rain or sleet first; fairer periods later; temperature falling.
20 S.W. Ireland	Fresh northwest to west wind; cloudy; some showers or occasional rain (rather cold).

GENERAL INFERENCE

Pressure is still high eastward of the British Isles. A depression over Ireland is filling up but a trough extending to the Bay of Biscay is moving eastward. Rain in the western districts will spread to the southwestern half of Great Britain with some snow or sleet probable inland. A slow thaw will extend to the eastern counties of England.

FURTHER OUTLOOK

Continuing cold in eastern and northern districts with a probability of frost in places.

Warnings of southerly gale in operation districts 10, 11, 14, 15, 16 and part of 2. Cones hoisted 2200 14.1.42 in 16; 13·30 15.1.42 in 11, 14, 15, and 21.15 15.1.42 in 10 and part of 2.

Forecasts issued at 10.30. G.M.T.

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

7h. Friday 16th January 1942.

10° 5°W. 0° 5°E. 10°

60° 55° 50°

HIGH HIGH HIGH

1000 1002 1004 1006 1008 1010 1012 1014 1016

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 $\frac{1}{10}$ mbs.

Dew Point °F

Bar. tendency

Low cloud

Weather in past hour

Past weather

Amount of Low cloud

Height of Low cloud

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 16th January

1942.

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

Statute Miles 0 1 2 3 4 600

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. 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 16th January 1942 — No. 29,275

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

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	*	*	*	*	*	35	*	*	*	*	*	*	*	*	*
	Croydon ...	217	12·1	-18	ESE	3	Z_o	34	85	31	5	5	-	-	4-6	9+	1900
	S. Farnborough	226	10·9	-18	ESE	3	Z_o	33	85	30	5	5	-	-	10	10	1500
	Boscombe Down	417	09·6	-20	SE	5	Z_o	34	85	31	6	5	-	-	10	10	1800
	Thorney Island	10	11·0	-18	S'E	4	Z_o	34	92	32	6	5	-	-	10	10	1600
	Lympne ...	346	15·5	-10	SE	6	Z_o	33	92	31	5	5	-	-	10	10	700
	Manston ...	154	14·3	-14	SE	3	Z_o	32	85	29	6	5	-	-	9+	9+	800
2	Shoeburyness ...	11	14·6	-12	SE	4	c	34	85	31	6	5	-	-	10	10	2500
	Felixstowe ...	15	15·6	-10	SSE	5	Z_o	35	85	31	6	5	-	-	10	10	1300
	Gorleston ...	5	16·9	-6	SSE	6	Z_o	34	85	31	5	5	-	-	10	10	1500
	Mildenhall ...	19	17·0	+2	SE'E	4	Z_o	33	85	30	5	5	-	-	10	10	1100
	Cranwell ...	240	13·2	-18	SE	4	Z_o	31	92	29	5	5	-	-	10	10	800
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	10·8	-22	SE	3	f-	33	85	29	3	5	-	-	10	10	1200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	01·8	-2	SE	5	c	38	95	31	7	5	2	-	7-8	10	1500
	Bristol ..	209	07·5	-20	ESE	5	cq	34	85	31	5	5	2	•	9	10	1400
	Portland Bill ...	32	06·6	-24	SE	5	c	35	92	32	7	5	-	-	10	10	2500
	Plymouth ...	82	04·4	-14	SE'S	7	c	41	92	38	7	5	2	-	9	10	1500
	The Lizard ...	240	99·2	-20	SE'S	8	rr	44	92	42	6	5	-	-	10	10	1000
	Scilly (St.Mary's)	163	94·5	-18	SSE	7	rr	42	97	40	5	6	2	•	9	10	800
	Guernsey ...	175															
6	Pembroke ...	142	00·1	-12	SE	9	c	41	92	39	6	8	-	-	10	10	2500
7	Holyhead ...	26	01·8	-22	ESE	4	Z_o	38	65	26	6	5	-	-	10	10	3100
	Chester(Sealand)	16	07·4	-24	ESE	4	Z_o	33	92	32	5	5	-	-	10	10	1400
8	Manchester ...	235	09·5	-26	SE'S	5	c	32	85	28	6	5	-	-	10	10	2100
10	Spurn Head ...	29	14·4	-12	SE	6	c	35	85	32	6	5	-	•	9	9	2500
	Catterick ...	175	12·6	-22	SE'S	4	Z_o	30	92	28	5	5	-	•	10	10	1000
	Tynemouth ...	108	12·8	-24	SSE	6	cq	34	97	34	7	8	-	-	9+	9+	2500
11	St. Abbs Head	280	11·8	-6	SE	5	cq	31	97	30	5	5	-	-	10	10	1500
	Leuchars ...	36	12·1	-10	SE	4	c	33	85	30	7	5	-	7	4-6	10	3500
12	Renfrew (Abbotsl.)	19	08·6	-14	ESE	4	Z_o	32	85	29	5	-	2	-	0	10	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	04·4	-30	S'E	8	Z_o	37	85	32	6	6	2	-	9	10	1000
13A	Tiree	22	99·3	-10	SE'S	7	o	38	85	34	6	5	-	-	10	10	1200
13B	Stornoway ...	80	02·1	-16	ESE	7	pr	39	85	34	7	8	7	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	37	*	*	*	*	*	*	*	*	*
	Wick ...	119	11·6	-14	SE'S	8	o	38	65	26	7	5	-	-	10	10	2800
16	Sumburgh ..	30	18·2	-16	SSE	6	phr	36	75	28	7	5	-	-	10	10	2500
17	Blacksod Point	18	88·3	+2	SSE	7	RR	46	97	46	6	6	-	-	10	10	800
18	Malin Head ...	84	95·9	-14	SSE	8	Z_o	38	85	34	5	3	-	-	9+	9+	450
	Aldergrove ...	268	90·1	-14	SE'E	5	9r	37	85	33	6	5	-	-	10	10	1300
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	90·1	+34	NE'E	2	ir	45	92	43	6	6	-	-	10	10	800
	Roches Point	22	89·0	-4	S'E	8	rr	48	92	47	6	6	2	-	7-8	10	800

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

Barom. at M.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)
09·2	-16	ESE	3	Z_o	34	85	29	5	5	-	•	10	10	2500	6	*
09·4	-12	SE'E	3	Z_o	34	92	32	5	5	-	-	10	10	1600	7	*
07·6	-18	ESE	3	Z_o	34	92	31	6	5	-	-	10	10	1200	7	*
06·5	-12	ESE	5	Z_o	33	85	30	6	5	-	-	10	10	1600	4	*
07·4	-22	SE	4	Z_o	36	92	33	6	5	-	-	10	10	2200	4	*
12·3	-10	ESE	4	Z_o	32	97	31	5	5	-	-	9	9	700	8	3
11·6	-6	ESE	3	Z_o	30	92	28	5	5	-	-	10	10	600	8	*
11·9	-8	SE'E	4	c	32	92	30	5	5	-	•	10	10	500	3	*
12·7	-6	SE	5	Z_o	34	85	31	5	5	-	-	9+	9+	1000	3	5
13·8	-14	SE'S	6	Z_o	35	85	32	6	5	-	-	7-8	7-8	1200	5	6
*	*	SE	5	Z_o	34	85	30	5	5	-	-	10	10	1200	8	*
10·7	-10	SE	5	~	32	97	31	4	5	-	-	10	10	800	8	*
07·3	-10	SE	3	cf	32	85	28	3	5	-	-	10	10	2500	3	*
08·0	-10	ESE	3	m	33	85	30	4	5	-	•	10	10	1200	8	*
05·1	-14	SE'E	4	Z_o	34	85	31	6	5	1	•	4-6	10	1500	3	*
97·9	-10	ESE	6	rr	38	85	34	6	5	2	-	7-8	10	1500	1	4
04·5	-18	SE	5	Z_o	35	85	30	5	5	2	•	7-8	10	1300	3	*
03·8	-24	SE	5	o	35	85	32	7	5	-	•	10	10	2500	1	5
00·7	-10	SE	6	rr	42	97	40	6	6	-	•	10	10	800	1	5
97·9	+10	NW	4	rorO	47	92	46	6	5	-	•	10	10	1500	1	5
97·0	+14	WNW	4	c	46	92	44	7	5	-	•	7-8	7-8	1200	1	5
98·0	-10	SE'E	8	rr	41	92	39	6	8	-	•	10	10	2500	1	5
99·6	-12	SE	6	c	40	55	24	7	5	-	•	10	10	4000	0	4
05·7	-14	ESE	4	Z_o	35	85	29	5	5	-	•	10	10	1400	0	*
07·5	-10	SE'S	4	c	34	85	30	6	5	-	-	10	10	2500	3	*
10·8	-10	SE	6	cq	37	85	32	6	8	-	•	10	10	2500	1	5
10·5	-6	SSE	5	Z_o	33	85	28	5	5	-	-	10	10	800	8	*
10·8	-6	SE	6	cq	39	85	35	6	8	-	-	9+	9+	1500	3	5
09·3	-6	S	6	cq	37	85	32	5	5	2	-	7-8	10	1500	0	4
09·7	-6	SE	7	c	36	65	27	7	5	2	-	2-3	10	2300	3	*
06·5	-10	ESE	4	Z_o	35	85	30	6	5	2	-	7-8	10	2500	1	*
07·6	-18	SE'S	6	c	30	85	25	6	5	-	-	10	10	700	8	*
03·1	-8	S'E	8	Z_o	38	85	33	6	6	2	-	7-8	10	1000	0	6
97·0	+34	N	6	ir	45	75	39	7	6	-	-	10	10	800	2	5
96·8	+12	SSE	8	roro	37	92	35	4	3	-	-	9+	9+	450	1	6
99·2	+2	SE'S	5	rr	37	92	35	5	5	-	-	10	10	1200	1	*
95·5	0	WSW	4	ir	40	92	37	7	6	2	•	7-8	10	1500	1	*
01·2	+42	NW'W	5	ir	49	75	36	8	6	-	-	10	10	1500	1	5
98·8	+48	NNW	7	Ir_o	43	85	40	7	6	2	-	7-8	9+	800	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 15m. Hrs. (38)
31	31	29	-	-	0·0
30	30	29	-	-	0·0
30	30	26	Tr	-	·0
30	28	28	-	-	6·0
35	33	33	-	-	*
33	31	29	-	-	0·0
31	29	24	-	-	2·2
33	31	27	-	-	3·2
34	32	31	-	-	0·9
33	32	32	-	-	*
33	27	25	-	-	2·9
29	25	23	-	-	4·5
30	28	27	-	-	2·4
28	28	27	-	-	*
30	30	29	-	-	3·0
39	37	36	-	2	0·5
31	29	28	-	-	0·0
40	34	*	-	-	*
42	39	38	-	12	0·0
45	42	*	-	12	0·0
48	46	*	Tr	4	0·0
42	35	*	-	4	0·0
38	35	34	-	-	*
31	31	29	-	-	0·0
32	28	28	-	-	*
34	32	*	-	-	0·0
30	26	25	-	-	0·1
35	33	32	-	-	*
33	31	*	-	-	*
35	34	29	-	-	1·6
34	30	29	-	-	0·0
30	24	26	-	-	4·1
36	31	*	-	-	0·0
30	35	*	-	1	0·0
43	35	*	Tr	1	0·0
29	25	24	-	-	1·9
39	35	34	Tr	-	0·0
39	36	*	Tr	-	*
41	35	34	0·2	Tr	0·0
50	41	*	2	47	*
39	34	*	Tr	2	0·0
39	34	33	Tr	2	0·0
44	40	39	3	17	0·0
50	42	40	11	21	
49	*	*	4	8	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 15th January ... 18h. G.M.T. — 01h. G.M.T. 16th January ... 07h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 8-	27858	46788	8-	27648	05788	5-	03748	45788	5-	87758	45788
115 57	14844	81626	57	14844	81726	57	15844	81826	52	15844	79827
203 07	12890	08428	5-	03848	08528	5-	03638	08528	5-	03838	08528
206 86	01864	12315	52	01754	12424	51	02754	43726	57	02765	10228
210 8-	02757	45517	57	05655	46428	5-	02768	41628	5-	02758	41428
220 62	03745	15818	62	03445	15828						
230 07	05690	12417	52	05655	10528	5-	05658	43628	5-	05658	45428
245 5-	02744	51578	5-	02768	47678	5-	05658	47728	5-	51648	45858
260 50	02755	12315	04	05590	45427	57	05653	10326			
2785-	05647	45627	52	05545	45728	62	05647	44728	52	05645	45728
279 00	05690	13415	57	05663	42526	57	05655	41528	57	05655	41528
285 5-	05638	12628	5-	05638	10628				--	48209	08543
288 05	05690	14503	5-	05655	45427	5-	05648	12633	5-	05548	49528
575 62	61635	61635	52	22647	47668	5-	22648	48668	62	64637	46668
301 07	05590	12614	07	08490	12725	5-	05548	45728	5-	05648	45728
321 10	05651	13411	07	05690	12324				5-	05648	13428
299 80	02746	12426	80	05646	12516	8-	05646	12516			
292 5-	05657	10327	50	05664	10424	5-	05648	43428	5-	05648	42428
310 --	04428	10428							--	46109	08649
614 10	05542	10202	5-	08465	08225	5-	41448	10448	5-	08448	45428

13h. G.M.T. 15th January ... 18h. G.M.T. — 01h. G.M.T. 16th January ... 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 07	02890	11717	02	02790	12628	5-	02787	12727	5-	05668	12628
334 --	02663	16214	--	04456	00017				--	02655	10317
340			5-	08458	12428	5-	08448	12528	5-	08448	12428
136 3-	05663	08318				5-	05548	13428	5-	05647	12427
336			--	08209	12543				--	46209	12443
350 00	05590	10300	5-	41458	08348	5-	08438	09428	5-	05538	10428
368			52	08435	43528	52	08446	43768	52	05636	45628
379			5-	08458	10348	5-	05548	10528	5-	05538	10528
390 00	08490	08340	00	47390	12248	5-	41428	12448	5-	08438	12428
382 5-	05557	08247	5-	05548	10428	5-	05548	10428	5-	05648	10428
438									50	02548	12428
430 5-	05588	06328	5-	05658	12528				5-	05648	45528
409 52	02847	14628	52	02747	47728	5-	64638	45868	5-	62648	46768

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C$_L$C$_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	b,cFF	cffmx	xcm$_o$	Kew 24 hours ended 7h. Max. 2·0 Time 10–11h 15th. Min. 0·6 Time 0–6h 16th.
Croydon ...	bmxbfc	em	cm$_o$cm	
Greenwich ...	bfm$_o$	bccm$_o$	em$_o$m	
Camden Square ...	o	o		
Kensington ...	bcoz	oz		
Hampstead ...	bcxm	ox	ox	

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	31	31	29	-	-	0·0	*	*
Croydon ...	30	30	29	-	-	0·0	*	*
Greenwich ...	33	32	24	-	-	3·4	84	92
Westminster ...	36	29	29	0·1			98	94
Regents Park ...								
Camden Square ...	34	32	19	-	-	*	*	91
Kensington ...	31	23	*	-	-		93	85
Hampstead ...	30	29	26	-	-		*	95

SECRET

Page 1

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

Saturday 17th January 1942 — No. 29276

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

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)	08·3	+4	E'N	3	c	33	85	28	5	5	–	–	10	10	4000
	Croydon ...	08·5	+6	SE	3	r_0	32	97	32	5	5	2	–	9	10	1500
	S. Farnborough	07·7	+2	ESE	3	r_0	33	85	31	5	5	–	–	10	10	800
	Boscombe Down	06·7	0	ESE	4	r_0	34	92	32	5	5	2	–	9	10	800
	Thorney Island	07·1	0	ESE	3	r_0	37	92	35	6	5	–	–	9+	9+	1500
	Lympne ...	10·3	0	ESE	4	r_0	37	85	28	4	–	3	–	0	9	–
	Manston ...	09·9	+10	ESE	3	r_0	32	92	31	5	–	5	–	0	9+	–
2	Shoeburyness ...	10·3	+8	ESE	4	c	34	85	31	5	–	3	6	0	10	–
	Felixstowe ...	11·2	+6	ESE	6	r_0	36	75	29	6	–	7	–	0	9+	–
	Gorleston ...	13·2	+6	SE'S	5	r_0	35	85	31	6	–	–	8	4-6	7-8	2000
	Mildenhall ...	10·4	+6	ESE	4	r_0	36	85	30	6	–	7	–	0	9+	–
	Cranwell ...	11·0	0	ESE	5	r_0	33	92	31	6	6	7	–	Tr	9	1500
3	Birmingham ...	08·7	+4	E	3	c	32	85	*	6	5	–	–	10	10	1500
	Upper Heyford	07·8	0	E'S	4	m	32	92	30	4	5	–	–	10	10	1000
4	Ross-on-Wye	06·6	+6	E	3	r_0	36	85	31	6	5	–	–	10	10	1500
5	Hartland Point	02·5	+24	WNW	4	c/d	43	92	41	7	5	2	–	7-8	10	1200
	Bristol ...	05·7	+10	ESE	4	c/r	36	85	33	6	5	2	–	9	10	700
	Portland Bill ...	04·4	+10	SE	5	c	40	85	36	7	5	–	–	10	10	2500
	Plymouth ...	04·2	+22	NE	2	c	43	97	43	4	6	2	–	9+	10	600
	The Lizard ...	03·9	+26	NW	6	c/pr	46	75	39	7	8	6	–	7-8	7-8	2000
	Scilly (St. Mary's)	05·5	+30	NW'N	6	c/pr	47	85	42	7	8	6	–	4-6	7-8	1200
	Guernsey ...															
6	Pembroke ...	00·0	+8	W	6	r_0	43	97	43	6	5	–	–	10	10	2000
7	Holyhead ...	03·4	+22	ESE	4	r_0	38	85	34	5	5	–	–	10	10	1200
	Chester (Sealand)	07·5	+14	SE	4	r_0	35	85	31	5	5	–	–	10	10	700
8	Manchester ...	05·3	+6	SSE	4	r_0	35	75	25	5	5	–	–	10	10	1500
10	Spurn Head ...	11·6	+6	SE'E	6	r_0	36	92	33	6	8	2	–	7-8	10	1500
	Catterick ...	11·3	+6	SE	3	r_0	34	85	31	6	5	–	–	10	10	1300
	Tynemouth ...	12·2	+6	SSE	6	r_0	38	85	34	6	5	–	–	9+	9+	1500
11	St. Abbs Head	10·4	+2	SE	7	r_0	36	97	36	6	5	2	–	7-8	10	2000
	Leuchars ...	12·3	+12	ESE	7	r_0	37	92	35	6	5	–	–	10	10	1500
12	Renfrew (Abbotsl.)	09·9	+20	E	3	r_0	38	75	29	5	5	–	–	10	10	1500
	Eskdalemuir ...	10·2	+16	SE'E	4	c	33	75	27	6	5	–	–	10	10	700
	Point of Ayre ...	06·5	+18	SSE	7	r_0	38	85	33	6	6	2	–	7-8	10	1000
13A	Tiree ...	05·9	+28	SE	5	r_0	36	97	35	6	–	2	–	10	10	800
13B	Stornoway ...	08·4	+34	SSE	5	r_0	39	97	39	7	5	7	–	7-8	10	1000
15	Dalwhinnie ...	10·0	+4	SE	7	c/s	33	85	29	6	5	2	–	7-8	10	1500
	Aberdeen ...	14·2	+8	SE'S	5	c/s	37	65	27	6	6	2	–	4-6	10	1700
	Wick ...	13·4	+12	SE'S	7	c	38	65	28	7	7	*	*	7-8	10	1400
16	Sumburgh ...	19·3	+8	SSE	7	ps	35	85	31	6	8	*	*	10	10	1200
17	Blacksod Point	04·9	+38	NW	5	c	46	65	36	7	5	–	–	9+	9+	1500
18	Malin Head ...	03·6	+28	SE	5	r_0	38	92	36	5	6	–	–	9+	9+	800
	Aldergrove ...	05·2	+28	ESE	4	r_0	36	97	35	6	5	–	–	10	10	900
19	Birr Castle ...	03·3	+30	WSW	2	r_0	42	85	37	8	6	2	–	7-8	10	2500
20	Valentia Obsy.	08·2	+36	NW'N	5	pr	47	55	32	9	3	–	–	7-8	7-8	2500
	Roches Point	05·3	+36	NNW	4	c/r	45	85	42	8	6	3	–	2-3	7-8	1500

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

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)	10·2	+22	ENE	3	c	33	85	28	3	5	2	–	4-6	7-8	4000	4	*
	Croydon ...	09·7	+6	ENE	2	c	30	97	29	3	–	7	–	0	10	–	8	*
	S. Farnborough	10·0	+16	E'N	3	c	32	85	30	4	5	–	–	9+	9+	1100	6	*
	Boscombe Down	09·5	+22	E'N	3	c	33	92	31	4	5	–	–	10	10	900	1	*
	Thorney Island	09·1	+18	NE	3	c	35	92	33	5	5	–	–	10	10	1500	4	*
	Lympne ...	10·3	+8	E'S	4	m	32	85	29	4	5	–	–	9	9	2500	8	4
	Manston ...	10·3	+10	E'S	3	m	33	85	29	4	–	7	–	0	2-3	–	8	*
2	Shoeburyness ...	11·0	+8	E	5	c	35	85	32	5	–	7	–	0	7-8	–	1	*
	Felixstowe ...	11·9	+14	E	4	r_0	34	85	29	5	5	7	1	1	9+	1500	4	4
	Gorleston ...	13·5	+6	SE'E	5	r_0	34	85	30	6	8	–	–	9+	9+	1500	1	5
	Mildenhall ...	11·8	+10	E'N	3	r_0	32	85	29	5	–	7	8	0	7-8	–	4	*
	Cranwell ...	12·7	+10	E	3	r_0	31	92	30	5	–	7	–	0	4-6	–	8	*
3	Birmingham ...	10·8	+12	E	3	r_0	33	85	28	5	5	–	–	10	10	1500	3	*
	Upper Heyford	10·3	+22	SE	3	m	31	92	29	4	5	–	–	10	10	1000	8	*
4	Ross-on-Wye	09·5	+14	E'N	3	m	33	85	30	4	5	–	–	10	10	800	1	*
5	Hartland Point	06·0	+18	WNW	4	c	44	75	38	7	5	2	–	7-8	10	1500	1	5
	Bristol ...	09·1	+10	SE	2	c/r+	33	97	32	3	5	2	–	9	10	900	1	*
	Portland Bill ...	07·1	+12	E	4	c	40	85	35	7	5	–	–	10	10	2500	1	5
	Plymouth ...	08·0	+22	NW	4	c/pr	44	92	42	5	8	7	–	4-6	7-8	2500	1	3
	The Lizard ...	08·6	+14	NW	6	bc	46	65	36	8	8	–	–	4-6	4-6	2000	1	5
	Scilly (St. Mary's)	09·8	+20	NW	5	c/p	45	85	40	8	8	6	–	7-8	7-8	1000	1	4
	Guernsey ...																	
6	Pembroke ...	05·6	+30	N	3	r_0	40	97	40	6	8	7	–	7-8	9	2000	1	4
7	Holyhead ...	08·3	+32	ENE	2	r_0	25	92	23	4	–	2	–	10	10	3000	1	4
	Chester (Sealand)	10·4	+20	ESE	3	r_0	36	75	29	5	5	–	–	10	10	1500	1	*
8	Manchester ...	11·5	+22	ESE	2	r_0	34	85	29	6	5	7	–	2-3	9	2000	3	*
10	Spurn Head ...	13·1	+20	SE'S	5	c	36	85	31	6	8	4	–	4-6	7-8	1500	1	5
	Catterick ...	14·5	+16	SE	2	r_0	34	85	29	6	5	2	–	7-8	10	800	8	*
	Tynemouth ...	15·0	+14	SSE	6	c	38	85	33	6	8	–	–	9+	9+	1500	1	4
11	St. Abbs Head	14·3	+22	SE	5	c/d	37	85	34	6	5	2	–	7-8	10	1500	1	4
	Leuchars ...	14·7	+14	SE	5	r_0	37	85	33	6	5	–	–	10	10	900	1	*
12	Renfrew (Abbotsl.)	12·8	+18	E	3	m	37	75	30	4	5	2	–	9+	10	1500	3	*
	Eskdalemuir ...	13·8	+18	ESE	4	c	33	75	27	6	5	–	–	10	10	700	8	*
	Point of Ayre ...	10·2	+20	SE'S	5	r_0	39	85	34	6	6	2	–	7-8	10	1500	0	6
13A	Tiree ...	10·2	+24	SE	4	r*	38	97	37	6	*	2	–	10	10	1200	1	5
13B	Stornoway ...	12·9	+30	SSE	4	r_0	40	97	40	7	5	2	–	7-8	9+	1000	1	2
15	Dalwhinnie ...	14·9	+20	S	6	c	33	92	32	6	5	2	–	4-6	10	1500	4	*
	Aberdeen ...	16·8	+16	SSE	5	c/s	37	75	30	6	6	2	–	4-6	10	1700	1	5
	Wick ...	16·0	+12	SE	7	c	38	75	29	7	5	2	–	7-8	10	2300	1	*
16	Sumburgh ...	21·1	+10	SE'S	5	c/ps	36	75	28	7	8	–	–	10	10	2500	1	5
17	Blacksod Point	10·6	+32	NW'W	4	bc	44	85	40	7	4	–	–	4-6	4-6	1500	1	4
18	Malin Head ...	08·3	+28	SE	3	c/pr	38	92	36	6	3	–	–	9+	9+	800	1	5
	Aldergrove ...	10·0	+30	SE	2	c/d	37	92	36	6	5	2	–	9	10	900	1	*
19	Birr Castle ...	08·9	+22	WSW	2	r_0	42	85	37	7	5	–	–	10	10	2500	1	*
20	Valentia Obsy.	13·6	+28	NW'W	4	b	45	65	33	9	2	–	–	1	1	2500	1	4
	Roches Point	10·1	+30	NNW	5	c	44	75	37	8	5	4	–	4-6	7-8	1500	1	*

PAST 24 HOURS. WEATHER.

District	Stations. (For heights see p. 4.)	7h.—13h. 16th (39)	13h.—18h. 16th (40)	18h. 16th — 1h. 17th (41)	1h.—7h. 17th (42)
1	London (Kew)	cm$_0$	cm$_0$mf	beem	cmo
	Croydon ...	cmo	cmocm	bfrem	cm
	S. Farnborough	cmo	cm$_0$m	cmbfem	cmbe
	Boscombe Down	cmo	cmom	cmob	bmef
	Thorney Island	cm$_0$acm$_0$	cm$_0$	bmobcmo	bmocmo
	Lympne ...	cm$_0$m ⊕	cm	cbmx	bmxcm
	Manston ...	cm$_0$	cbcm	b	bbcom
2	Shoeburyness ...	om$_0$cm$_0$ ⊕	cm$_0$	cmobmo	bmocmo
	Felixstowe ...	cm$_0$	cm$_0$	cmobmo	cmo
	Gorleston ...	cm$_0$m$_0$	cmo	cbcz$_0$	cbcx
	Mildenhall ...	cm$_0$	cm$_0$	bmcmobm$_0$	bcemox
	Cranwell ...	cmcm$_0$	cbcm$_0$	bmcmo	cmo
3	Birmingham ...	f	foz	obcm	dbf
	Upper Heyford	cm	cm	cm	bcmmo
4	Ross-on-Wye	ccm$_0$	czoz	om	omo
5	Hartland Point	rrido re	cdire	c	c
	Bristol ...	cm$_0$gr$_0$	csr$_0$s$_0$f	cmom, ef	cfcm
	Portland Bill ...	orr	orr	o	bc
	Plymouth ...	cr$_0$r$_0$m$_0$	cr$_0$r$_0$p$_0$m$_0$	cir$_0$	cir$_0$mo
	The Lizard ...	cpre	cbc	cbce	prcbc
	Scilly (St. Mary's)	cp$_0$	cphr	rsd$_0$cmo$_0$	bc
	Guernsey ...				
6	Pembroke ...	cm$_0$ir$_0$q	cir$_0$m$_0$	cid$_0$m$_0$	cmid$_0$
7	Holyhead ...	cirr$_0$m$_0$	cr$_0$r$_0$m$_0$	cm	cmid$_0$mo
	Chester (Sealand)	com$_0$	om$_0$cz$_0$	ez$_0$	cmo
8	Manchester ...	cm$_0$	cz$_0$	cmobm$_0$	cmob
10	Spurn Head ...	cm$_0$	c	c	c
	Catterick ...	cm$_0$	cm$_0$	cm$_0$	amo
	Tynemouth ...	c	c	c	co
11	St. Abbs Head	mcapr	cqidm$_0$	oeqm$_0$	cqemo
	Leuchars ...	cnr$_0$r$_0$	cr$_0$r$_0$m$_0$	cr$_0$r$_0$id$_0$m$_0$	cid$_0$mocm$_0$x
12	Renfrew (Abbotsl.)	cm$_0$	cm$_0$cm	cmfmm$_0$	emo
	Eskdalemuir ...	cm$_0$	cm$_0$	cbcm$_0$	bcbx
	Point of Ayre ...	c	c	c	c
13A	Tiree ...	or$_0$s$_0$	codrr	orrd	o
13B	Stornoway ...	cpr$_0$s$_0$r	cpr$_0$r$_0$	cr$_0$r$_0$ *	cprdd
15	Dalwhinnie ...	o	cps	cfs$_0$	ops$_0$
	Aberdeen ...	cr$_0$cs$_0$	cfs$_0$	cfs$_0$r$_0$	cfs$_0$r$_0$
	Wick ...	mpq	aqc	c	rs$_0$cr$_0$
16	Sumburgh ...	cph$_0$fm$_0$	cpsc	cphpho	cphpro
17	Blacksod Point	a	bc	bc	bc
18	Malin Head ...	r	c	cz$_0$	cprc
	Aldergrove ...	rrm$_0$r$_0$m$_0$	d$_0$d$_0$m$_0$id$_0$	m$_0$r$_0$d$_0$d$_0$m$_0$	tr$_0$cmo
19	Birr Castle ...	r	r	*	b
20	Valentia Obsy.	pr	pr	prbcb	bcc
	Roches Point	r	bc	b	b

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

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

Light E. or variable wind; fair, but variable cloud extensive fog tonight especially near towns temperature about freezing point during day, hard frost at night.

7	North Wales
8	N.W. England
9	N. Midlands ...
10	N.E. England
11	S.E. Scotland

Light variable wind; cloudy, visibility poor with fog near large towns tonight, cold, local night frost.

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

Moderate or fresh S. to S.W. wind, cloudy occasional showers of sleet or snow at first, occasional rain later. Temperature rising slightly.

16	Orkneys and Shetlands

As 12–15.

17	N. W. Ireland
18	N. E. Ireland

Light S.W. wind, variable cloud, slight local showers; rather low temperature but tending to rise.

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

As 1–5.

GENERAL INFERENCE

A ridge of high pressure lying NE to SW. is forming over England and it will move slowly southeast later. Weather will continue dry and cold with hard frost at night in England, Wales and South Ireland. Fog will occur extensively tonight chiefly in the Midlands and North of England. In Scotland and North Ireland there will be variable cloud and occasional showers of snow, sleet or rain with temperature rising slowly.

FURTHER OUTLOOK

Cloudy and somewhat milder conditions in the North. Little change in the Southeast.

Forecasts issued at 10.30h. G.M.T.

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

7h. Saturday 17th January. 1942

10° 5°W. 0° 5°E. 10°

60° 55° 50°

LOW

HIGH

HIGH

LOW

1014 1016 1018 1020 1022

STATION MODEL

High Cloud

Medium cloud

Temperature °F

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

Height of Low cloud

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Bar. tendency

Weather in past hour

Past weather

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

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 17th January

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ◯ Clear sky. ◔ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. ○ Rain falling. ✱ Snow. ✱ Sleet. △ Hail. Fog. ≡ Mist. ≡ Thunder. (K) 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.

Saturday 17th January 1942

No. 29276

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

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	*	*	*	*	*	35									
	Croydon ...	217	14·0	+14	NE'E	2	m	32	85	29	4	5	-	-	10	10	2100
	S. Farnborough	226	14·1	+18	E'N	2	m/f	31	85	28	4	5	-	-	7-8	7-8	1100
	Boscombe Down	417	14·4	+26	E	1	m	30	92	28	4	-	-	*	0	0	*
	Thorney Island	10	13·4	+20	NE	2	Z_o	29	92	28	5	5	-	-	2-3	2-3	1500
	Lympne ...	346	13·7	+10	NNE	2	m	27	92	25	4	-	-	-	0	0	"
	Manston ...	154	13·4	+10	NE	3	Z_o	30	97	29	5	-	-	-	0	0	*
2	Shoeburyness ...	11	14·0	+6	NE'N	3	bc	31	85	28	5	5	-	-	2-3	2-3	4000
	Felixstowe ...	15	14·8	+14	E'N	4	Z_o	32	75	25	6	5	-	-	Tr	Tr	1500
	Gorleston ...	5	15·9	+12	SE'E	4	Z_o	32	85	27	6	5	-	-	4-6	4-6	1500
	Mildenhall ...	19	15·8	+22	NE'N	2	Z_o	29	85	25	6	-	-	-	0	0	-
	Cranwell ...	240	16·3	+16	E	3	Z_o	31	92	30	6	5	-	-	10	10	1800
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	14·8	+18	E	3	m	30	97	29	4	5	-	-	10	10	800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	11·4	+22	WNW	3	c	41	85	37	7	5	2	-	7-8	9+	1500
	Bristol ...	209	14·3	+22	ESE	2	c/f+	32	97	31	3	5	2	-	7-8	10	1400
	Portland Bill ...	32	12·3	+22	E	4	o	38	85	35	7	5	-	-	10	10	2500
	Plymouth ...	82	12·3	+18	-	0	ir.	43	97	43	7	5	-	-	10	10	1200
	The Lizard ...	240	13·3	+20	NW	6	c	45	85	39	8	8	2	-	7-8	9+	1500
	Scilly (St.Mary's)	163	15·1	+20	N'W	6	bc	46	65	36	8	8	-	-	4-6	4-6	1200
	Guernsey ...	175															
6	Pembroke ...	142	13·6	+24	NE'E	3	ir.	37	97	36	5	8	-	-	9	9	1500
7	Holyhead ...	26	13·8	+22	-	0	m	36	92	34	4	5	-	-	10	10	2800
	Chester(Sealand)	16	14·7	+28	SE'S	2	Z_o	33	75	27	5	5	-	-	10	10	1500
8	Manchester ...	235	14·4	+22	ESE	3	Z_o	32	86	29	6	5	-	6	1	7-8	2500
10	Spurn Head ...	29	16·7	+10	E'S	4	c	35	75	29	6	8	-	-	9+	9+	1500
	Catterick ...	175	14·4	+12	E	1	Z_o	33	85	28	6	5	2	-	9	10	2000
	Tynemouth ...	108	14·4	+10	SSE	4	c	38	75	30	8	8	-	-	10	10	1500
11	St. Abbs Head	280	17·7	+16	S'W	6	eq	36	92	33	6	5	2	-	7-8	10	1500
	Leuchars ...	36	18·2	+14	SE	2	id.	37	85	32	6	5	-	-	10	10	2200
12	Renfrew (Abbotsl.)	19	17·4	+14	ENE	2	Z_o	34	85	30	5	5	-	-	10	10	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	15·6	+18	S'E	5	c	38	75	31	7	6	2	-	7-8	10	1800
13A	Tiree	22	14·0	+12	SE'S	4	o	38	92	37	6	5	-	-	10	10	800
13B	Stornoway ...	80	15·3	+2	S	4	c	41	92	39	7	5	2	-	7-8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	39	*	*	*	*	*	*	*	*	*
	Wick ...	119	18·1	+6	SE'S	7	c	38	75	29	7	5	2	-	7-8	10	3100
16	Sumburgh ..	30	21·8	0	SE	5	pl	37	85	32	7	8	-	-	10	10	2000
17	Blacksod Point	18	15·0	+16	W'N	2	bc	41	75	34	8	4	-	-	2-3	2-3	4000
18	Malin Head ...	84	13·0	+12	S	4	Z_o	38	92	36	5	9	-	-	9+	9+	450
	Aldergrove ...	268	14·8	+14	SE'E	2	Z_o	37	92	35	5	5	-	-	10	10	3100
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17·9	+14	NE	2	b	41	85	37	8	8	-	-	1	1	2500
	Roches Point	22	16·8	+22	NW	4	b	41	85	37	8	5	-	-	1	1	2500

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

District	Stations	Barom at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force. 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	18·2	+24	N'E	3	Z_o	30	85	26	5	5	-	8	4-6	9+	4000	4	*
	Croydon ...	17·4	+16	NE'N	3	m	29	85	26	4	5	-	-	9+	9+	2900	8	*
	S. Farnborough	18·0	+20	NE'N	3	m	30	92	28	4	5	-	-	2-3	2-3	2800	8	*
	Boscombe Down	18·3	+24	NE	1	cf	29	92	27	3	5	*	*	10	10	800	5	*
	Thorney Island	17·0	+20	NE	1	Z_o	31	85	28	5	5	-	*	9	9	1800	4	*
	Lympne ...	16·8	+14	NNE	2	m	31	85	28	4	5	-	-	10	10	1000	8	4
	Manston ...	16·6	+18	NE	3	Z_o	31	97	30	5	5	-	-	10	10	1800	8	*
2	Shoeburyness ...	17·3	+14	NNE	2	o	31	85	28	6	5	-	-	10	10	1500	3	*
	Felixstowe ...	17·5	+10	NE'E	3	Z_o	32	75	26	6	5	-	-	10	10	2000	3	3
	Gorleston ...	18·4	+14	E'N	4	Z_o	30	85	23	6	8	-	-	9+	9+	2500	3	4
	Mildenhall ...	18·7	+14	ENE	3	Z_o	30	75	24	6	5	-	-	9+	9+	2500	3	*
	Cranwell ...	19·4	+12	ENE	2	Z_o	30	97	30	5	5	-	-	10	10	1800	8	*
3	Birmingham ...	19·0	+16	ENE	2	bf	30	85	26	3	-	-	-	0	0	-	3	*
	Upper Heyford	18·7	+20	NNE	3	Z_o	27	97	26	5	-	-	6	0	4-6	-	8	*
4	Ross-on-Wye	19·3	+14	W'N	1	Z_o	31	85	28	5	5	-	-	10	10	800	3	*
5	Hartland Point	17·8	+24	NNE	3	c	38	92	35	7	5	2	-	7-8	10	1500	1	4
	Bristol ...	19·1	+28	E'N	2	m	31	85	27	4	5	-	-	10	10	1500	4	*
	Portland Bill ...	16·8	+28	ENE	4	bc	32	85	29	7	5	-	-	4-6	4-6	2500	1	4
	Plymouth ...	18·2	+26	NNW	2	ir.	38	92	35	6	5	-	-	10	10	1200	1	4
	The Lizard ...	17·7	+20	NNW	4	bc	42	92	40	7	8	-	-	4-6	4-6	1500	1	4
	Scilly (St.Mary's)	19·1	+20	N'W	5	c	45	65	38	8	8	6	-	4-6	9	1500	1	4
6	Pembroke ...	18·7	+20	E'S	2	id.	37	92	34	4	8	-	-	10	10	1500	1	3
7	Holyhead ...	17·4	+26	S'W	4	d.d.	38	92	36	9	5	-	-	10	10	800	1	4
	Chester(Sealand)	19·8	+16	SE'S	1	Z_o	32	85	27	5	5	-	-	9+	9+	1900	0	*
8	Manchester ...	19·5	+14	-	0	bc	30	92	28	6	-	1	-	0	2-3	-	3	*
10	Spurn Head ...	19·7	+10	E	3	c	34	95	28	6	8	*	*	7-8	7-8	2500	0	4
	Catterick ...	20·6	+10	SE	2	Z_o	32	85	28	6	5	-	-	10	10	2500	8	*
	Tynemouth ...	20·2	+4	SSE	3	c	35	85	29	6	5	-	*	10	10	1500	1	4
11	St. Abbs Head	18·7	+2	S	3	c.	35	92	32	6	5	2	-	9	10	1500	0	4
	Leuchars ...	19·5	+8	-	0	Z_o	34	85	31	6	5	2	-	4-6	9+	3100	1	*
12	Renfrew (Abbotsl.)	19·2	+6	-	0	Z_o	33	85	30	6	5	7	-	4-6	10	1800	3	*
	Eskdalemuir ...	20·4	+4	-	0	b	27	85	21	6	-	-	*	0	0	-	8	*
	Point of Ayre...	18·2	+20	S'E	5	c	38	85	30	7	6	2	-	9	10	2000	0	5
13A	Tiree	14·3	0	SE'S	4	o	40	92	40	6	5	-	-	10	10	800	0	5
13B	Stornoway ...	16·0	+2	S	5	c	40	92	38	7	5	7	-	7-8	10	1000	1	5
15	Dalwhinnie ...	19·5	+6	SSW	3	p2	31	85	25	7	5	2	-	4-6	10	2500	4	*
	Aberdeen ...	19·8	+4	SSE	4	r3	38	65	28	6	6	2	-	4-6	10	1700	1	5
	Wick ...	18·3	0	S'E	5	ir.	38	75	30	7	5	2	-	9	10	3100	1	*
16	Sumburgh ..	21·1	-4	SSE	4	c/pr	38	75	30	7	8	-	-	10	10	2500	1	5
17	Blacksod Point	15·3	-4	SW	2	b	44	75	38	8	4	-	-	1	1	4000	0	3
18	Malin Head ...	18·4	+14	SW	2	c/pr	41	92	39	6	9	7	-	4-6	7-8	1500	1	5
	Aldergrove ...	17·5	+10	SE'S	3.	c/r	39	92	34	5	5	-	-	10	10	1400	1	*
19	Birr Castle ...	17·5	+6	SSE	1	b	30	97	29	8	-	-	-	0	0	-	1	*
20	Valentia Obsy.	18·4	-2	NE	3	c	37	85	33	8	5	-	-	9	9	4000	3	3
	Roches Point	19·6	+10	N	3	b	36	85	32	8	-	-	-	0	0	*	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 16th Hrs. (38)
1	London (Kew)						
	Croydon ...	34	30	26	-	-	0·0
	S. Farnborough	34	29	25	0·1	-	0·0
	Boscombe Down	35	30	26	-	-	0·0
	Thorney Island	35	28	23	-	-	0·0
	Lympne ...	38	28	24	-	-	*
	Manston ...	32	25	22	-	-	0·0
2	Shoeburyness ...	34	27	22	-	-	0·0
	Felixstowe ...	35	30	26	-	-	0·0
	Gorleston ...	37	31	28	-	-	0·0
	Mildenhall ...	36	30	29	-	-	*
	Cranwell ...	36	26	21	-	Tr	0·1
3	Birmingham ...	34	28	24	-	-	0·0
	Upper Heyford	33	28	27	-	-	0·0
4	Ross-on-Wye	33	27	25	-	-	*
5	Hartland Point	36	30	27	-	-	0·0
	Bristol ...	45	37	36	4	-	0·0
	Portland Bill ...	37	29	29	2	0·3	0·0
	Plymouth ...	41	30	*	5	*	*
	The Lizard ...	45	38	37	12	1	0·0
	Scilly (St.Mary's)	47	40	*	1	3	0·7
	Guernsey ...	48	43	*	1	-	3·2
6	Pembroke ...	46	34	*	3	0·4	0·0
7	Holyhead ...	40	35	34	4	1	*
	Chester(Sealand)	36	32	30	*	*	0·0
8	Manchester ...	35	29	21	-	-	*
10	Spurn Head ...	38	33	*	-	-	0·0
	Catterick ...	34	32	31	-	-	0·0
	Tynemouth ...	39	35	35	-	-	*
11	St. Abbs Head	37	64	*	1	-	*
	Leuchars ...	38	34	30	0·3	Tr	0·0
12	Renfrew (Abbotsl.)	38	32	30	-	-	0·0
	Eskdalemuir ...	33	26	21	-	-	0·0
	Point of Ayre...	39	36	*	-	-	0·0
13A	Tiree	38	37	*	4	-	0·0
13B	Stornoway ...	42	39	*	1	0·2	0·0
15	Dalwhinnie ...	34	30	29	0·3	0·2	0·0
	Aberdeen ...	38	36	35	Tr	Tr	0·0
	Wick ...	39	37	37	-	Tr	*
16	Sumburgh ..	37	35	34	0·1	0·1	0·0
17	Blacksod Point	47	*	*	2	-	*
18	Malin Head ...	39	36	*	2	0·2	0·0
	Aldergrove ...	38	35	33	5	1	0·0
19	Birr Castle ...	43	29	25	1	0·2	0·0
20	Valentia Obsy.	47	*	*	0·1	*	*
	Roches Point	46	*	*	1	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 16th January — 18h. G.M.T. — 01h. G.M.T. 17th January — 07h. G.M.T.

13h. G.M.T.			18h. G.M.T.			01h. G.M.T.			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
33362	62658	10578	5-	62644	08468	5-	68658	08328	5-	51658	00028
334--	91547	10288	--	73537	08388				--	01790	00002
3405-	08438	45428	5-	08448	12328				00	05590	12120
13659	05641	02427	57	05644	09418	00	05590	04111	51	05655	06117
336--	46209	12449	--	46109	12449				--	46209	12349
35050	05634	08528	50	05542	08312	5-	08448	02228	5-	08458	04228
36862	62525	10468	62	67336	10378	5-	08448	10528	5-	08448	08228
3795-	05648	08328	51	43338	08348	5-	08438	01248	00	08490	04210
3905-	08467	12448	01	08490	08428	5-	08448	04228	57	08455	06218
3825-	05648	09428	5-	08448	06228	5-	08448	08148	00	05590	01300
43850	03528	12428							50	01634	06414
43052	05547	06328	5	08448	08428	00	41490	04410			
40952	02845	27567	50	25745	61585	5-	02648	30588	5-	05638	01328

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, Nh = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C$_L$C$_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	cmo	cmomf	bccmo	Kew 24 hours ended 7h. Max. Time
Croydon ...	cmo	cmo	bfxcmo	0·6 15–18h 16th
Greenwich ...	cmmo	cmo	cmo	Min. Time
Camden Square	o	o		0·1 0–3h 17th
Kensington ...	oz	oz		
Hampstead ...	om	oxm	ox	

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 ...	34	30	26	-	-	0·0	*	*
Croydon ...	34	29	25	0·1	-	0·0	*	*
Greenwich ...	33	28	25	-	-	0·0	81	81
Westminster ...	36	30	29	-	-	·	78	89
Regents Park ...	35	29	25	-	-		75	94
Camden Square	34	29	27	-	-	*	*	90
Kensington ...	35	29	*	-	-		86	96
Hampstead ...	33	26	22	-	-		*	93

SECRET

Page 1

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

Sunday 18th January 1942 — No. 29,277

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

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)	21.4	+16	NNW	3		30	75	23	6	5	-	-	9+	9+	4000
	Croydon ...	20.1	+22	NNW	3		29	85	25	4	5	-	-	9+	9+	1200
	S. Farnborough	21.3	-10	NNW	2		30	92	28	6	5	-	-	9+	9+	1200
	Boscombe Down	21.7	+6	NNW	3		30	85	26	6	5	-	-	7-8	7-8	2500
	Thorney Island	21.6	+12	NNW	1		32	85	29	5	-	-	2	0	4-6	-
	Lympne ...	20.3	+10	NNW	2		31	88	28	6	5	-	-	9+	9+	1200
	Manston ...	19.8	+8	NNW	2		31	87	30	6	5	-	-	10	10	1800
2	Shoeburyness ...	20.7	+6	N	2		32	75	26	6	5	-	-	10	10	2100
	Felixstowe ...	20.4	+10	NNE	2		31	75	23	6	5	-	-	10	10	2800
	Gorleston ...	21.3	+12	NNE	3		30	87	28	6	5	-	-	10	10	2500
	Mildenhall ...	21.3	+6	ENE	3		31	88	27	6	5	-	-	9+	9+	2000
	Cranwell ...	21.7	+2	E	2		32	75	27	7	5	-	-	9+	9+	4500
3	Birmingham ...	21.8	0	E	2		30	78	23	5	5	-	-	7-8	7-8	1500
	Upper Heyford	21.5	+6	ENE	2		28	87	27	6	5	-	-	9+	9+	1500
4	Ross-on-Wye	21.5	+4	NW	2		32	75	26	6	5	-	-	10	10	1000
5	Hartland Point	20.9	+4	SSE	1		39	85	35	6	5	-	-	9+	9+	800
	Bristol ...	21.0	+6	NNE	2		32	78	27	5	5	-	-	10	10	2000
	Portland Bill ...	20.4	+6	NE	3		35	92	32	7	2	-	-	7-8	7-8	4000
	Plymouth ...	21.4	+4	-	0		39	87	38	4	5	-	-	9+	9+	3000
	The Lizard ...	21.0	+8	N	2		48	78	42	5	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	21.3	+2	NNW	2		50	65	48	8	1	-	-	1	1	1700
	Guernsey ...															
6	Pembroke ...	20.8	+4	ENE	3		40	87	38	5	8	-	-	9+	9+	2000
7	Holyhead ...	19.3	+2	S	3		38	92	36	8	5	-	-	10	10	700
	Chester (Sealand)	20.8	-2	SSE	3		38	85	30	5	5	-	-	9	9	5000
8	Manchester ...	21.8	+4	-	0		38	65	28	6	-	-	-	0	0	-
10	Spurn Head ...	21.6	+6	E	2		34	75	27	7	5	-	-	9+	9+	2500
	Catterick ...	22.1	-2	-	0		34	85	30	6	5	-	-	9+	9+	3500
	Tynemouth ...	21.8	-2	SW	3		35	75	26	4	5	-	-	9+	9+	1800
11	St. Abbs Head	19.8	-4	S	3		35	85	32	6	5	4	2	4-6	8	2000
	Leuchars ...	19.4	-6	S	2		35	75	29	8	5	-	-	8	8	4500
12	Renfrew (Abbotsl.)	19.4	-6	ESE	1		35	75	29	4	5	-	-	4-6	10	3000
	Eskdalemuir ...	20.8	0	-	0		30	75	23	6	5	-	-	9+	9+	2800
	Point of Ayre ...	19.5	+2	S	5		37	92	34	7	6	2	-	7-8	10	1800
13A	Tiree	14.2	-4	S	4		45	82	43	8	8	-	-	4-6	4-6	1800
13B	Stornoway ...	14.7	-12	S	6		41	87	40	8	5	7	-	7-8	10	1500
15	Dalwhinnie ...	17.8	0	S	4		31	85	28	7	6	7	-	7-8	10	2500
	Aberdeen ...	18.7	-10	S	3		36	92	33	6	6	2	-	4-6	10	1700
	Wick ...	17.2	-12	SSE	3		38	75	31	8	7	-	-	9	10	1200
16	Sumburgh ...	19.7	-12	SSE	4		38	85	35	6	5	-	-	10	10	1000
17	Blacksod Point	12.5	-20	S	5		47	97		6	6	-	-	10	10	800
18	Malin Head ...	14.9	-12	S	3		41	85		8	8	-	4	4-6	9	4000
	Aldergrove ...	18.6	-2	S	3		41	85	37	6	5	-	2	4-6	7-8	1800
19	Birr Castle ...	15.1	-4	SSE	2		43	75	36	8	5	-	-	7-8	7-8	2300
20	Valentia Obsy.	18.9	+14	SSE	4		48	92		7	5	-	-	10	10	800
	Roches Point	18.4	+10	S	2		47	85	39	8	5	7	-	4-6	7-8	2500

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

District	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	22.3	+4	NNE	2		28	75	22	5	5	2	-	2-3	7-8	4000	4	*
	22.2	+8	NNE	3		28	85	23	3	5	-	-	9+	9+	1800	8	*
	22.7	+2	-	0		28	85	24	6	5	-	-	10	10	1500	8	*
	22.7	-2	-	0		28	85	24	5	5	-	-	9	9	1500	3	*
	22.7	+10	-	0		29	85	24	6	5	-	-	10	10	2500	4	*
	22.1	+6	NNW	2		29	85	26	6	5	-	-	10	10	1200	8	*
	21.5	+8	N	2		31	85	27	5	5	-	-	10	10	1800	8	*
2	22.2	+6	NNE	2		29	75	23	6	5	-	*	10	10	2100	3	*
	22.2	+10	NNE	2		30	75	22	6	5	-	*	10	10	2000	3	
	22.8	+12	NNE	2		31	92	28	6	5	-	*	10	10	1500	3	3
	22.5	+6	ENE	2		29	85	26	6	5	-	*	9+	9+	2300	3	*
	22.1	+2	SSE	1		29	92	27	6	5	-	*	9+	9+	3000	8	*
3	22.4	+2	SSW	1		28	85	24	5	-	*	*	0	0	-	3	*
	22.4	+4	SSW	1		26	97	25	5	-	*	*	0	0	-	8	*
4	23.0	0	E	1		29	85	25	5	5	-	*	10	10	800	3	*
5	21.0	+2	SW	3		38	85	34	7	5	-	*	4-6	4-6	1000	1	3
	23.5	+6	-	0		29	92	27	4	5	*	*	7-8	7-8	2500	4	*
	22.2	+4	NE	3		31	85	27	7	5	-	-	4-6	4-6	2500	1	4
	22.5	+6	SSE	1		35	97	35	4	5	-	-	7-8	7-8	4000	1	2
	22.1	0	W	2		43	75	36	8	4	*	*	2-3	2-3	2500	1	4
	21.9	+2	SW	2		46	85	40	8	6	7	*	7-8	9+	1500	1	3
6	20.2	-6	SSE	3		44	85	39	8	5	-	-	4-6	4-6	2500	1	3
7	18.1	+12	S	4		39	85	35	6	5	-	*	2-3	2-3	2000	1	3
	20.5	-2	SSE	3		33	75	27	5	5	*	*	10	10	1800	0	*
8	21.5	-4	SSE	3		31	75	25	5	5	3	*	2-3	9+	3500	3	*
10	22.3	+6	SSE	1		34	75	27	6	5	*	*	10	10	2500	0	3
	24.5	-4	SSE	1		30	92	29	5	5	-	*	4-6	4-6	4000	8	*
	21.5	+2	SW	3		34	75	27	4	5	-	-	9+	9+	2600	1	3
11	18.8	+8	SSW	3		32	85	29	6	5	2	*	7-8	10	1500	0	2
	18.3	-10	S	1		34	92	32	5	5	7	*	4-6	10	4000	1	*
12	17.3	-18	ESE	2		35	75	29	4	5	2	*	7-8	10	2500	3	*
	19.5	+12	-	0		29	85	25	6	5	-	*	9+	9+	2200	8	*
	17.6	-10	SE	5		38	92	35	7	5	2	*	7-8	10	2000	0	4
13A	09.3	-30	SSE	6		42	97	41	7	5	*	*	10	10	1500	1	6
13B	11.0	-18	SSE	7		42	97	42	7	5	2	-	7-8	10	1000	1	4
15	16.5	-14	SE	4		29	85	26	6	5	2	*	9	10	1500	4	-
	17.8	-18	SW	2		36	75	29	3	6	*	*	4-6	4-6	1500	1	2
	14.7	-18	S	4		38	75	34	6	5	7	-	9	10	4200	1	*
16	18.0	-10	SSE	4		38	85	34	6	5	*	-	10	10	1500	1	4
17	05.8	-42	S	7		49	97	47	6	6	*	-	10	10	800	2	6
18	09.3	-32	S	5		40	85	32	7	8	*	-	9	9	1500	1	4
	15.0	-20	SSW	3		40	85	34	6	5	7	-	2-3	10	4000	1	*
19	13.0	-24	SSE	4		44	85	36	8	5	-	*	7-8	7-8	2500	1	
20	13.7	-16	SE	2		52	97	50	6	6	-	-	10	10	4000	1	4
	15.9	+28	S	5		48	87	46	7	5	*	*	9+	9+	800	1	

PAST 24 HOURS.

Weather. 7h.–13h. (39)	13h.–18h. (40)	18h. 17th to 1h. 18th (41)	1h.–7h. 18th (42)
17th	17th		18th

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 18th January

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light or moderate southeast winds, becoming variable later. Mainly cloudy with occasional rain, sleet or snow. Cold with frost day and night in many places.
5 S.W. England 6 South Wales 7 North Wales	Fresh or strong northwest winds, backing west or southwest later and moderating. Showers and bright intervals; average temperature
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	As 1-4.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland	Moderate northwest to west wind. Showers and bright intervals. Average temperature.
15 N.E. Scotland	Fresh southerly winds veering west and moderating. Cloudy with rain at first, snow or sleet on high ground. Bright intervals later; rather cold.
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate west winds, backing southwest and freshening. Fair at first; rain spreading from West later. Average temperature.

GENERAL INFERENCE

An elongated trough of low pressure extending from Northwest Scotland to the Channel Islands is moving very slowly east and will later become stationary and fill up. Over most of Great Britain weather will be cloudy with occasional rain, sleet or snow. In Ireland and Southwest England there will be bright intervals. It will be cold over most of Gt. Britain with temperatures near freezing point during the day and frost at night. It will be temporarily milder in S.W. districts but frost will occur locally to-night. Another trough of low pressure now out in the Atlantic will cause rain to spread into Ireland late in period.

FURTHER OUTLOOK

Milder with occasional rain in the North and West. Doubtful in the Southeast.

Forecasts issued at 1030 G.M.T.

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

7h. Sunday 18th January 1942

Low

High

High

1012 1014 1016 1018 1020

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

Bar. tendency

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud

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

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 18th January

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Sunday 18th January 1942 — No. 20277

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

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	*	*	*	*	*	28									
	Croydon ...	217	22·2	0	SW	1	oft+	25	85	21	3	5	-	-	10	10	1700
	S. Farnborough	226	20·9	-14	ESE	2	m	25	92	23	4	5	-	-	4-6	4-6	1200
	Boscombe Down	417	20·6	-22	SE'E	2	m	27	97	26	4	5	-	-	10	10	200
	Thorney Island	10	21·0	-14	NNE	2	zo	27	92	26	5	5	-	-	10	10	1300
	Lympne ...	346	22·7	+2	WNW	1	g.f	25	85	22	5	5	-	-	10	10	1200
	Manston ...	154	21·7	-2	WSW	2	zo	28	85	23	5	5	-	-	10	10	1600
2	Shoeburyness ...	11	22·2	-2	S	2	c	28	85	24	6	5	-	-	10	10	2500
	Felixstowe ...	15	21·6	-2	WNW	2	zo	31	85	28	5	5	-	-	10	10	2000
	Gorleston ...	5	22·3	0	-	0	zo	32	85	28	6	5	-	-	10	10	2500
	Mildenhall ...	19	22·2	0	SSW	2	zo	28	88	23	6	5	-	-	10	10	1700
	Cranwell ...	240	20·3	-10	SSE	3	zo	27	97	27	6	5	-	-	10	10	1200
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·4	-14	SE	1	m	22	97	22	4	-	1	-	0	9	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·3	-52	SSE	4	rr	41	97	41	6	5	2	-	7-8	10	2500
	Bristol ..	209	18·6	-38	SSE	3	m	33	92	31	4	5	-	-	10	10	700
	Portland Bill ...	32	19·4	-24	S	3	o	40	92	38	7	5	-	-	10	10	2500
	Plymouth ...	82	17·7	-44	SW	4	rr	46	85	43	6	5	-	-	10	10	1500
	The Lizard ...	240	16·0	-46	SSW	6	rr	45	92	46	6	5	-	-	10	10	1000
	Scilly (St.Mary's)	163	16·9	-26	W	5	id.	49	97	49	6	5	-	-	10	10	1000
	Guernsey ...	175															
6	Pembroke ...	142	13·1	-20	WNW	6	cq	49	97	47	7	8	2	-	4-6	7-8	2500
7	Holyhead ...	26	12·7	-22	SSE	7	ir.	39	97	39	6	5	-	-	10	10	1000
	Chester(Sealand)	16	16·8	-18	SE	3	rs	32	92	31	4	5	-	-	10	10	1000
8	Manchester ...	235	17·5	-24	SE'S	3	zo	30	92	28	6	5	-	6	4-6	9	2000
10	Spurn Head ...	29	21·3	+2	SW	3	o	30	97	29	6	5	-	-	10	10	2500
	Catterick ...	175	18·7	-12	SE	2	m	28	85	24	4	5	-	-	10	10	1700
	Tynemouth ...	108	18·6	-6	SSE	4	bc	32	85	28	6	5	-	-	4-6	4-6	1500
11	St. Abbs Head	280	15·0	-14	S	3	bc	29	97	29	5	5	4	-	4-6	4-6	1500
	Leuchars ...	36	16·3	-12	E	1	zo	33	85	29	5	-	-	-	0	0	-
12	Renfrew (Abbotsl.)	19	13·7	-16	E	2	fg	35	92	32	5	5	-	-	10	10	1400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	12·1	-30	S'E	6	rr	40	97	39	6	-	2	-	10	10	1500
13A	Tiree	22	10·0	+4	NNW	4	c	44	92	42	7	5	-	-	9-	9	1800
13B	Stornoway ...	80	10·2	0	S	6	rr	41	97	41	6	5	2	-	9	10	1000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	36	*	*	*	*	*	*	*	*	*
	Wick ...	119	13·5	-2	SSE	5	zo	37	75	30	6	5	-	-	9	9	3200
16	Sumburgh ..	30	16·7	+2	SSE	4	c	40	75	33	7	5	7	-	7-8	9+	2000
17	Blacksod Point	18	15·5	+30	WNW	4	bc	47	85	43	8	-	4	-	0	2-3	-
18	Malin Head ...	84	10·8	+34	W	2	ir	44	85	40	7	9	-	-	7-8	7-8	2500
	Aldergrove ...	268	10·8	+8	WSW	3	dr	44	97	43	6	5	-	-	9+	10	500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	19·5	+22	NW	3	c	48	75	41	8	8	-	-	9+	9+	2500
	Roches Point	22	16·4	+26	NW	5	bc	46	85	42	8	5	-	-	2-3	2-3	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	18·2	-20	E'N	2	is.	29	97	28	5	5	-	-	10	10	4000	4	*
	Croydon ...	18·3	-24	E	1	c/s	28	92	27	3	5	1	-	10	10	2000	8	*
	S. Farnborough	18·6	-22	ESE	2	rs	28	97	27	4	5	-	-	10	10	500	8	*
	Boscombe Down	17·1	-10	SE	3	rs	33	92	31	4	-	2	-	10	10	450	8	*
	Thorney Island	16·9	-20	NE	2	rs	33	92	30	5	5	-	-	10	10	1500	4	*
	Lympne ...	19·9	-20	-	0	m	26	92	25	4	5	-	-	9	9	1200	8	3
	Manston ...	19·6	-10	-	0	m	20	97	18	4	5	-	-	10	10	1500	8	*
2	Shoeburyness ...	19·3	-12	E	1	c	26	85	22	6	5	-	-	10	10	1200	3	*
	Felixstowe ...	20·0	-4	-	0	zo	27	86	21	6	5	-	-	10	10	2000	3	2
	Gorleston ...	20·4	-4	SE'E	2	zo	31	92	28	6	8	-	-	9+	9+	2500	3	5
	Mildenhall ...	19·3	-6	E'S	2	zo	21	92	19	5	-	-	-	0	0	-	3	*
	Cranwell ...	18·9	-6	ESE	3	zo	24	97	23	5	5	-	-	10	10	1400	8	*
3	Birmingham ...	17·2	-6	SE	2	sf	28	92	26	3	6	-	-	10	10	800	8	*
	Upper Heyford	18·0	-18	E	3	is.	25	97	25	4	-	2	-	10	10	800	8	*
4	Ross-on-Wye	15·9	-6	SE	1	z.	33	97	32	5	5	-	-	10	10	1000	7	*
5	Hartland Point	16·8	+8	WNW	3	bc	46	75	39	8	5	-	-	2-3	2-3	2500	1	4
	Bristol ..	16·1	+6	S	1	c/d	35	97	34	4	5	-	-	10	10	2500	1	*
	Portland Bill ...	14·5	-20	SE	4	rr	44	92	41	7	5	-	-	10	10	2500	1	5
	Plymouth ...	16·8	+10	NW	5	bc	45	85	42	8	5	-	-	2-3	2-3	3000	1	4
	The Lizard ...	18·4	+16	NW	5	bc	44	92	42	7	8	-	-	4-6	4-6	2000	1	5
	Scilly (St.Mary's)	19·6	+10	N'W	4	c	47	85	42	8	8	4	-	4-6	7-8	1200	1	4
	Guernsey ...																	
6	Pembroke ...	16·5	+6	NW'W	5	bcq	46	75	39	8	4	-	-	2-3	2-3	2500	1	4
7	Holyhead ...	13·5	+10	NW'N	6	c	46	85	42	7	5	-	-	9+	9+	1800	1	4
	Chester(Sealand)	15·2	-2	SE	3	id.	32	97	31	3	-	2	-	10	10	800	5	*
8	Manchester ...	16·4	+2	-	0	c/s	32	97	31	6	-	2	-	10	10	2000	8	*
10	Spurn Head ...	19·6	-4	S	3	o	29	97	27	7	5	-	-	10	10	2500	3	3
	Catterick ...	19·3	+12	SSE	2	is.	28	85	25	4	5	-	-	10	10	800	8	*
	Tynemouth ...	18·9	+8	SSE	3	c	30	85	26	6	5	-	-	9+	9+	1500	3	2
11	St. Abbs Head	15·9	+12	S	3	is.	30	97	30	5	5	2	-	4-6	7-8	1500	3	2
	Leuchars ...	15·7	+4	-	0	SoS.	34	97	33	6	5	-	-	10	10	1100	7	*
12	Renfrew (Abbotsl.)	16·0	+14	NNE	1	zo	33	99	32	6	5	-	-	10	10	1200	7	*
	Eskdalemuir ...	16·3	+4	-	0	is.	31	97	30	4	5	-	-	10	10	700	8	*
	Point of Ayre...	15·3	+2	S'E	4	zo	37	97	36	6	6	2	-	9	10	2000	1	5
13A	Tiree	14·2	+24	NNW	3	bc	45	85	41	8	-	4	-	0	2-3	-	1	4
13B	Stornoway ...	13·0	+10	W	3	c	40	92	38	7	5	7	-	7-8	9+	2000	1	2
15	Dalwhinnie ...	16·3	+18	SSW	4	o	32	85	29	6	5	-	-	10	10	2500	4	*
	Aberdeen ...	16·2	+2	S	3	ir.	37	85	34	6	6	2	-	4-6	10	1900	1	2
	Wick ...	13·7	+2	SSE	5	fg	37	92	35	6	5	2	-	9	10	700	1	*
16	Sumburgh ..	17·2	+4	S'E	5	fg	39	92	36	7	5	-	-	10	10	1500	1	4
17	Blacksod Point	18·4	+12	WNW	4	bc	45	85	41	8	-	4	-	0	2-3	-	1	4
18	Malin Head ...	15·6	+18	N	3	b	47	85	43	8	-	-	-	0	0	-	1	4
	Aldergrove ...	16·4	+26	-	0	c/fr	41	97	39	7	8	6	3	2-3	7-8	1500	1	*
19	Birr Castle ...	18·4	+14	SSE	1	b	37	92	35	8	-	-	-	0	0	-	2	
20	Valentia Obsy.	21·1	+14	-	0	b	43	92	41	8	2	-	-	1	1	2500	1	3
	Roches Point	20·6	+14	NW	4	b	44	85	40	8	5	-	-	1	1	2500	1	*

PAST 24 HOURS.

District	Stations	Weather. (5)	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)	Weather. (20)	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)	TEMPERATURE. Max. Day 7h–18h °F. (33)	TEMPERATURE. Min. Night 18h–7h °F (34)	TEMPERATURE. Min. on Grass °F. (35)	RAINFALL. Day 7h–18h mm. (36)	RAINFALL. Night 18h–7h mm. (37)	SUNSHINE 17th. Hrs. (38)
1	London (Kew)	*	*	*	*	*	*	*	is.	5	-	-	10	10	4000	34	25	15	-	0·4	0·0
	Croydon ...	oft+	5	-	-	10	10	1700	c/s	5	1	-	10	10	2000	30	23	20	-	Tr	0·0
	S. Farnborough	m	5	-	-	4-6	4-6	1200	rs	5	-	-	10	10	500	31	24	21	-	1	0·9
	Boscombe Down	m	5	-	-	10	10	200	rs	4	2	-	10	10	450	30	23	18	Tr	6	2·9
	Thorney Island	zo	5	-	-	10	10	1300	rs	5	-	-	10	10	1500	32	22	18	-	4	*
	Lympne ...	g.f	5	-	-	10	10	1200	m	5	-	-	9	9	1200	32	21	17	-	-	0·0
	Manston ...	zo	5	-	-	10	10	1600	m	5	-	-	10	10	1500	33	19	10	-	-	0·0
2	Shoeburyness ...	c	5	-	-	10	10	2500	c	5	-	-	10	10	1200	33	23	18	-	-	0·0
	Felixstowe ...	zo	5	-	-	10	10	2000	zo	5	-	-	10	10	2000	34	27	24	-	-	0·0
	Gorleston ...	zo	5	-	-	10	10	2500	zo	8	-	-	9+	9+	2500	31	30	29	-	-	*
	Cranwell ...	zo	5	-	-	10	10	1700	zo	-	-	-	0	0	-	31	21	14	-	Tr	0·0
		zo	5	-	-	10	10	1200	zo	5	-	-	10	10	1400	32	23	21	-	-	0·0
3	Birmingham ...	*	*	*	*	*	*	*	sf	6	-	-	10	10	800	30	26	22	-	4	0·0
	Upper Heyford	m	-	1	-	0	9	-	is.	-	2	-	10	10	800	30	21	17	-	3	*
4	Ross-on-Wye	*	*	*	*	*	*	*	z.	5	-	-	10	10	1000	32	29	26	-	5	0·8
5	Hartland Point	rr	5	2	-	7-8	10	2500	bc	2-3	2-3	-	2-3	2-3	2500	42	38	35	-	6	1·0
	Bristol ..	m	5	-	-	10	10	700	c/d	5	-	-	10	10	2500	32	27	27	Tr	8	0·0
	Portland Bill ...	o	5	-	-	10	10	2500	rr	5	-	-	10	10	2500	36	34	*	-	3	*
	Plymouth ...	rr	5	-	-	10	10	1500	bc	5	-	-	2-3	2-3	3000	41	34	32	-	7	0·0
	The Lizard ...	rr	5	-	-	10	10	1000	bc	5	-	-	4-6	4-6	2000	50	43	*	-	4	6·1
	Scilly (St.Mary's)	id.	5	-	-	10	10	1000	c	8	4	-	4-6	7-8	1200	51	45	*	-	2	7·2
	Guernsey ...																				
6	Pembroke ...	cq	8	2	-	4-6	7-8	2500	bcq	4	-	-	2-3	2-3	2500	44	34		Tr	9	0·0
7	Holyhead ...	ir.	5	-	-	10	10	1000	c	5	-	-	9+	9+	1800	40	36	35	1	7	*
	Chester(Sealand)	rs	5	-	-	10	10	1000	id.	-	2	-	10	10	800	35	32	30	-	7	1·6
8	Manchester ...	zo	5	-	6	4-6	9	2000	c/s	-	2	-	10	10	2000	34	28	28	-	0·1	*
10	Spurn Head ...	o	5	-	-	10	10	2500	o	3	-	-	10	10	2500	34	28	*	-	-	0·0
	Catterick ...	m	5	-	-	10	10	1700	is.	5	-	-	10	10	800	34	(28)	28	-	-	0·8
	Tynemouth ...	bc	5	-	-	4-6	4-6	1500	c	5	-	-	9+	9+	1500	36	30	28	-	-	*
11	St. Abbs Head	bc	5	4	-	4-6	4-6	1500	is.	5	2	-	4-6	7-8	1500	35	(29)		-	-	
	Leuchars ...	zo	-	-	-	0	0	-	SoS.	5	-	-	10	10	1100	36	32	29	-	0·1	0·0
12	Renfrew (Abbotsl.)	fg	5	-	-	10	10	1400	zo	5	-	-	10	10	1200	37	32	31	-	2	0·0
	Eskdalemuir ...	*	*	*	*	*	*	*	is.	5	-	-	10	10	700	31	29	28	-	0·5	0·5
	Point of Ayre...	rr	5	-	-	10	10	1500	zo	5	-	-	9	10	2000	38	37	*	-	2	0·0
13A	Tiree	c	5	-	-	9-	9	1800	bc	4	-	-	0	2-3	-	46	41	*	0·5	9	1·5
13B	Stornoway ...	rr	5	2	-	9	10	1000	c	5	7	-	7-8	9+	2000	43	36	*	*	8	0·0
15	Dalwhinnie ...	*	*	*	*	*	*	*	o	5	-	-	10	10	2500	32	29	28	-	0·1	0·0
	Aberdeen ...	*	*	*	*	*	*	*	ir.	5	2	-	4-6	10	1900	38	35	31	0·3	1	0·0
	Wick ...	zo	5	-	-	9	9	3200	fg	5	2	-	9	10	700	39	35	34	0·4	2	*
16	Sumburgh ..	c	5	7	-	7-8	9+	2000	fg	5	-	-	10	10	1500	39	36	35	2	1	0·0
17	Blacksod Point	bc	4	-	4	0	2-3	-	bc	4	-	-	0	2-3	-	50	42	*	12	1	*
18	Malin Head ...	ir	9	-	-	7-8	7-8	2500	b	4	-	-	0	0	-	43	37	*	-	10	0·0
	Aldergrove ...	dr	9+	10	-	9+	10	500	c/fr	6	3	2-3	7-8	1500		43	39	36	Tr	7	0·2
19	Birr Castle ...	*	*	*	*	*	*	*	b	5	-	-	0	0	-	44	36	31	-	4	*
20	Valentia Obsy.	c	9+	9+	-	9+	9+	2500	b	2	-	-	1	1	2500	52	42	37	5	3	0·0
	Roches Point	bc	2-3	2-3	-	2-3	2-3	1500	b	5	-	-	1	1	2500	48	*	*	0·6	3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 17th January: $C_L C_M$	ww $V_h N_h$	DDFWN	18h. G.M.T.: $C_L C_M$	ww $V_h N_h$	DDFWN	01h. G.M.T. 18th January: $C_L C_M$	ww $V_h N_h$	DDFWN	07h. G.M.T.: $C_L C_M$	ww $V_h N_h$	DDFWN
109	52	G1G55	45568	5-	02656	14466	52	02744	47625	5-	62648	48568
115	52	62835	12288	57	02734	14267	52	62735	14288	52	22734	20467
203	5-	02837	16527	5-	02838	16528	6-	64738	16268	8-	02846	20466
206	52	02864	18127	57	02664	16226	5-	22758	00078	5-	22755	10178
210	57	02864	14277	57	02765	19328	50	68648	14178	02	62648	12378
220	52	01954	15315	62	66436	17668				50	01753	27213
230	87	05546	14277	57	05546	14328	02	68648	14478	5-	51648	00078
245	57	05645	20277	02	02790	18228	52	05655	16328	5-	68648	15378
260	5-	05577	00017	57	05671	12113	01	05550	00028	02	72448	00078
278	52	05645	13328	5-	05648	13528	02	64538	43568	02	54638	12358
279	57	05665	06127	5-	05558	14288	5-	61558	09368	5-	61548	06268
285				52	02635	10417						
288	5-	02768	18128	5-	05658	00028	5-	05668	16328	5-	05658	* *
575	53	02863	14215	6-	05638	14388	5-	01754	26354	00	00890	27300
301	50	41573	15343	5-	08448	13478	5-	73438	45628	02	05548	45678
321	5-	05657	12227	50	05661	12121	5-	05658	49328	5-	05648	13328
299	5-	02767	00227	5-	02756	26216	50	05654	22214	50	01754	23214
292	5-	05657	17127	50	08463	12123	52	05668	10428	5-	05648	10228
310												
614	53	05654	06227	50	47351	00021	00	08490	14240	5-	72438	08378

III	13h. G.M.T. 17th January: $C_L C_M$	ww $V_h N_h$	DDFWN	18h. G.M.T.: $C_L C_M$	ww $V_h N_h$	DDFWN	01h. G.M.T. 18th January: $C_L C_M$	ww $V_h N_h$	DDFWN	07h. G.M.T.: $C_L C_M$	ww $V_h N_h$	DDFWN
333	5-	03648	17358	5-	05548	12328	5-	62524	16568	8-	21658	26668
334	--	03647	03228	--	03537	04128						
340	5-	05547	12217	5-	08448	14328				5-	23438	12478
136	5-	05658	06228	5-	05656	07226	5-	05648	18228	53	05644	12127
330	--	46309	12349	--	46209	04349						
350	5-	05656	06226	5-	05547	00027	5-	05567	14216	02	72538	08278
368	5-	08448	05328	5-	08448	06128	5-	66438	12468	5-	52448	10168
379	5-	05648	21728	00	05690	00020	5-	05548	22228	02	72438	08278
390							5-	08448	16128	5-	47338	10228
382	5-	05648	02128	00	08490	00000	5-	08447	12227	5-	78328	09178
438	5-	05648	02328							5-	03548	12228
430	5-	08467	01227	00	00590	02210	00	08490	04200	5-	68448	08278
409	5-	05553	25214	04	00690	16101	5-	64628	17568	54	00741	30462

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
$C_L C_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

For the 24 hours ending morning of 18th.
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 ...	cm.m	cbcm.	cm.sis.	Kew 24 hours ended 7h. Max. Time 0·3 8-9h. 17th. Min. Time 0·1 11-12h. 17th.
Croydon ...	cmcfc	cmcf	chc.is.	
Greenwich ...	cmo	cmo	cm.bcc	
Camden Square	0	c		
Kensington ...	obcz	bccz		
Hampstead ...	bcx	ox	osx	

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	31	25	15	-	0·4	0·0	*	*
Croydon ...	30	23	20	-	Tr	0·0	*	*
Greenwich ...	30	23	18	-	-	0·0	75	87
Westminster ..	32	28	28	-	-		92	98
Regents Park ...								
Camden Square	30	29	26	-	Tr	*	*	93
Kensington ...	31	26	20	-	-		77	85
Hampstead ...	31	23	22	-	0·3		*	96

SECRET

Page 1

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

Monday 19th January 1942 — No. 29,278

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

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)	19·8	+2	ENE	2	bc	33	85	29	3	5	-	-	10	10	2500
	Croydon ...	19·7	+6	ENE	2	bc	34	88	31	4	5	-	-	10	10	1500
	S. Farnborough	19·8	+2	-	0	bc	31	92	29	3	5	-	-	10	10	400
	Boscombe Down	19·4	+10	ESE	1	bc	33	97	32	2	-	2	-	10	10	100
	Thorney Island	18·7	+16	NNE	1	3/c	35	92	34	4	5	-	-	10	10	800
	Lympne ...	20·0	-4	SE	2	2/c	34	88	29	6	5	-	-	9+	9+	3500
	Manston ...	19·3	-10	-	0	2/c	34	75	28	5	5	-	-	9+	9+	3000
2	Shoeburyness ...	20·0	-4	ESE	2	c	34	75	29	6	5	-	-	9+	9+	3300
	Felixstowe ...	19·9	-8	E	2	2/c	34	75	26	6	-	7	-	8	4-6	-
	Gorleston ...	20·5	-4	SSE	2	2/c	34	92	32	6	5	-	-	9+	9+	2000
	Mildenhall ...	20·3	+2	SE	1	-	34	75	27	5	-	-	-	0	0	-
	Cranwell ...	20·8	+6	SE	2	2/c	28	92	25	6	5	-	-	10	10	2000
3	Birmingham ...	19·4	+6	E	2	f	29	97	27	2	-	-	-	10	10	<150
	Upper Heyford	19·2	+4	E	2	3/c	28	97	29	3	-	2	-	10	10	800
4	Ross-on-Wye	18·6	+10	NE	2	2/c	34	97	33	2	5	-	-	10	10	500
5	Hartland Point	19·3	+8	NW	4	bc	46	78	42	8	8	4	8	2-3	4-6	2500
	Bristol ...	18·3	+8	SSE	2	4/c	36	97	36	3	5	-	-	10	10	400
	Portland Bill ...	17·7	+6	NE	2	f	42	92	40	7	5	-	-	10	10	2500
	Plymouth ...	19·9	+16	NW	5	c	48	88	44	7	8	-	1	9+	9+	2500
	The Lizard ...	20·6	+6	NW	5	bc	48	75	41	8	8	6	-	4-6	4-6	2500
	Scilly (St.Mary's)	21·5	+12	NW	4	c	48	75	42	8	8	2	3	4-6	7-8	1500
	Guernsey ...															
6	Pembroke ...	19·8	+6	NW	5	bc	47	85	43	8	4	6	-	2-3	4-6	2500
7	Holyhead ...	18·9	+18	NNE	2	3/c	41	92	39	4	5	-	-	10	10	1800
	Chester(Sealand)	19·6	+8	SE	2	3/c	32	97	31	4	5	+	-	10	10	600
8	Manchester ...	19·5	+10	-	0	f	33	85	29	3	5	-	-	10	10	2000
10	Spurn Head ...	20·8	+8	WSW	1	0	32	92	30	6	5	-	-	10	10	2500
	Catterick ...	20·3	-4	SSE	2	1/c	28	92	27	4	5	1	-	4-6	7-8	1200
	Tynemouth ...	19·7	0	S	4	1/c	30	92	30	4	5	-	-	9+	9+	1800
11	St. Abbs Head	18·1	+8	SSW	3	2/c	31	85	29	5	5	-	-	10	10	2000
	Leuchars ...	17·9	+6	-	0	3/c	34	97	33	4	5	-	-	10	10	1400
12	Renfrew (Abbots I.)	18·9	+14	W	1	3/f	37	85	33	4	-	3	-	0	4-6	-
	Eskdalemuir ...	19·0	+6	S	2	3	32	97	31	4	5	-	-	10	10	100
	Point of Ayre...	18·9	+12	S'W	3	2/c	41	92	39	6	5	3	-	7-8	9+	2000
13A	Tiree	16·8	+8	-	0	bc	48	85	44	8	1	-	-	2-3	2-3	3500
13B	Stornoway ...	15·7	+6	W	3	c	47	92	45	8	5	7	-	4-6	9	2500
15	Dalwhinnie ...	18·8	+12	SW	3	c	34	75	28	8	7	-	-	7-8	7-8	2500
	Aberdeen ...	17·8	+4	S	3	m	37	92	36	4	6	2	-	Tr	10	1900
	Wick ...	15·2	+8	S	3	dr	40	92	38	6	5	-	-	10	10	800
16	Sumburgh ...	16·4	+6	SSE	6	r8	36	97	35	6	6	2	-	9	10	900
17	Blacksod Point	18·3	-12	SE	1	c	48	75	41	7	-	-	7	0	9	-
18	Malin Head ...	19·6	+18	S	1	c	46	92	44	8	8	-	-	7-8	7-8	4000
	Aldergrove ...	19·8	+10	-	0	bc	42	75	35	7	5	-	5	Tr	2-3	3000
19	Birr Castle ...	20·8	-6	SSW	1	c	43	75	42	8	-	-	5	0	7-8	-
20	Valentia Obsy.	20·2	-14	SSE	4	c	50	85	42	8	5	3	2	1	7-8	-
	Roches Point	21·1	-8	W	1	bc	46	85	38	7	-	-	5	0	4-6	-

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

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)	21·4	+14	ENE	2	f	33	92	30	3	5	-	-	10	10	2500	4	*
Croydon ...	21·2	+14	-	0	3/c	32	92	30	1	-	-	-	10	10	<150	7	*
S. Farnborough	21·3	+16	E	1	2/c	32	92	30	2	5	-	-	10	10	700	6	*
Boscombe Down	20·9	+12	-	0	2/c	33	97	30	-	-	-	-	10	10	<150	4	*
Thorney Island	20·5	+10	NNE	1	2/c	35	97	35	4	5	-	-	10	10	1400	4	*
Lympne ...	22·1	+14	NNE	1	3/c	30	85	27	4	5	-	-	1	1	2500	7	§2
Manston ...	21·0	+8	-	0	3/c	32	85	28	3	5	-	-	1	1	1500	8	*
Shoeburyness ...	21·8	+8	ENE	2	c	32	85	29	6	5	-	-	10	10	4000	3	*
Felixstowe ...	21·9	+8	N	2	2/c	33	75	28	6	5	-	-	9+	9+	2500	3	1
Gorleston ...	22·1	+4	NE	1	2/c	34	85	28	6	5	-	-	10	10	1500	0	2
Mildenhall ...	22·1	+14	ENE	2	3/c	31	85	28	4	5	7	-	7-8	10	3500	3	*
Cranwell ...	21·8	+8	SSE	1	3/c	30	85	27	5	-	2	-	10	10	1500	8	*
Birmingham ...	21·3	+10	NE	1	f	30	97	30	2	-	-	-	10	10	<150	8	*
Upper Heyford	21·3	+14	NE	1	3/c	30	97	30	1	-	-	-	10	10	<150	8	*
Ross-on-Wye	20·8	+10	NE	1	2/c	38	97	33	1	5	*	-	10	10	<150	1	*
Hartland Point	20·0	+2	N	3	bc	45	85	42	8	5	4	1	2-3	4-6	2500	1	4
Bristol ...	20·8	+16	-	0	4/c	38	97	38	2	*	-	-	10	10	<150	1	*
Portland Bill ...	19·4	+12	SW	2	0	42	92	40	7	5	-	-	10	10	2500	1	4
Plymouth ...	20·5	+2	NW	2	3/c	45	92	42	5	5	-	6	1	4-6	3500	0	3
The Lizard ...	21·4	+14	NNW	2	3/c	43	92	41	8	8	6	-	4-6	4-6	2500	0	4
Scilly (St.Mary's)	21·7	+2	NNW	1	bc	46	85	42	8	8	4	4	2-3	4-6	1500	1	3
Guernsey ...																	
Pembroke ...	20·6	+6	NNE	3	bc	42	97	41	8	5	7	1	2-3	2-3	4000	1	3
Holyhead ...	18·8	-2	NE	1	3/c	37	97	35	4	5	*	6	1	4-6	1500	1	-
Chester(Sealand)	21·1	+10	SE	1	2/c	32	97	32	3	5	*	*	10	10	700	7	*
Manchester ...	21·3	+6	-	0	3/c	32	97	32	4	5	*	*	10	10	1500	8	*
Spurn Head ...	21·6	+4	S	2	2/c	33	85	25	5	5	-	*	10	10	2500	4	3
Catterick ...	21·8	+8	SSE	3	2/c	28	97	28	3	5	*	*	10	10	800	8	*
Tynemouth ...	20·8	+8	SW	3	3	31	92	28	4	6	-	*	10	10	1800	4	3
St. Abbs Head	18·9	0	SW	1	2/c	32	97	30	5	5	-	*	10	10	800	1	1
Leuchars ...	20·0	+14	-	0	2/c	34	97	33	5	5	-	*	7-8	7-8	2200	4	*
Renfrew (Abbots I.)	19·5	+2	-	0	4/f	31	97	31	3	-	-	8	0	7-8	-	7	*
Eskdalemuir ...	20·7	+8	-	0	4/c	29	97	28	1	*	*	*	10	10	<150	8	*
Point of Ayre...	19·8	+4	SSE	3	2/c	40	92	38	6	5	4	*	2-3	4-6	2000	1	3
Tiree	16·5	-6	-	0	bc	37	97	37	1	1	-	-	4-6	4-6	3500	0	3
Stornoway ...	16·3	0	S	2	4/c	42	97	41	8	5	7	5	2-3	7-8	2500	1	2
Dalwhinnie ...	19·9	+10	SSW	1	c	34	75	28	8	8	-	-	7-8	7-8	4000	4	*
Aberdeen ...	19·8	+14	S	2	3/c	38	92	36	3	-	2	-	10	10	3000	1	2
Wick ...	17·1	+14	S	2	2/c	41	92	38	6	5	-	*	9+	9+	1700	1	*
Sumburgh ...	21·3	+14	SSE	5	r8	37	85	35	7	5	2	-	9	10	1200	1	5
Blacksod Point	15·5	-8	SSE	4	c	48	85	46	7	8	-	-	7-8	7-8	2500	0	4
Malin Head ...	16·8	-10	S	3	c	42	85	40	7	5	-	2	4-6	7-8	4000	1	4
Aldergrove ...	19·4	0	SE/S	1	3/c	38	97	38	6	-	7	7	0	10	-	1	*
Birr Castle ...	19·2	0	S	1	c	41	92	40	8	5	*	-	7-8	7-8	2500	1	*
Valentia Obsy.	18·3	+10	SSE	4	2/c	47	92	46	6	5	2	-	7-8	10	1500	1	4
Roches Point	20·8	0	S	2	bc	45	92	44	8	8	7	-	4-6	4-6	1500	1	

PAST 24 HOURS.

Stations	Weather. 7h.—13h. (39)	Weather. 13h.—18h. (40)	Weather. 18h. Sat. to 1h. Sun. (41)	Weather. 1h.—7h. Sun. (42)
London (Kew)				
Croydon ...				
S. Farnborough				
Boscombe Down				
Thorney Island				
Lympne ...				
Manston ...				
Shoeburyness ...				
Felixstowe ...				
Gorleston ...				
Mildenhall ...				
Cranwell ...				
Birmingham ...				
Upper Heyford				
Ross-on-Wye				
Hartland Point				
Bristol ...				
Portland Bill ...				
Plymouth ...				
The Lizard ...				
Scilly (St.Mary's)				
Guernsey ...				
Pembroke ...				
Holyhead ...				
Chester(Sealand)				
Manchester ...				
Spurn Head ...				
Catterick ...				
Tynemouth ...				
St. Abbs Head				
Leuchars ...				
Renfrew (Abbots I.)				
Eskdalemuir ...				
Point of Ayre...				
Tiree				
Stornoway ...				
Dalwhinnie ...				
Aberdeen ...				
Wick ...				
Sumburgh ...				
Blacksod Point				
Malin Head ...				
Aldergrove ...				
Birr Castle ...				
Valentia Obsy.				
Roches Point				

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

Districts	Forecast
1 S.E. England; 2 E. England ...; 3 E. Midlands ...	Light or moderate east to southeast wind; cloudy, occasional slight snow, cold, with slight frost.
4 W. Midlands	Fresh southerly wind; cloudy, snow at times. cold.
5 S.W. England; 6 South Wales	Fresh South wind, cloudy, rain at times, some snow in east; rather mild in west; cold in east.
7 North Wales; 8 N.W. England *	Fresh south wind strong or gale on coast; cloudy, occasional rain or sleet, rather cold.
9 N. Midlands ...; 10 N.E. England; 11 S.E. Scotland	Fresh south wind; cloudy, occasional snow; cold; slight frost locally at night.
12 S.W. Scotland & Isle of Man; 13A W. Scotland ... *; 13B N.W. Scotland *	Fresh or strong south wind, gale at exposed places, veering southwest later; cloudy, rain at times, mild.
14 Mid Scotland	As 9-11.
15 N.E. Scotland *	As 16.
16 Orkneys and Shetlands *	Strong South wind gale at exposed places, cloudy; rain at times; cold; becoming milder.
17 N. W. Ireland *; 18 N. E. Ireland *	As 12-13.
19 S. E. Ireland	Fresh south wind, veering southwest, cloudy, rain at times; rather mild.
20 S. W. Ireland *	As 12-13.

GENERAL INFERENCE

Pressure is high to northeast of the British Isles and an elongated trough of low pressure over western districts of Britain is becoming stationary. Weather will be generally cloudy. Rain will occur in Ireland and the extreme western districts of Britain. There will be some snow later today in West Midlands and Salisbury Plain areas and occasional slight snow farther east. It will be cold in the east and mild in the west.

FURTHER OUTLOOK

Cold with occasional snow in the Southeast. Cloudy and mild with rain at times in the West and Northwest. Warning of southerly gale in operation in districts 13B, 16, 17, 20 issued at 2350 on 18/1. and in districts 8, 13A, 15, 18 issued 0930h 19/1.

Forecasts issued at 10·30h.

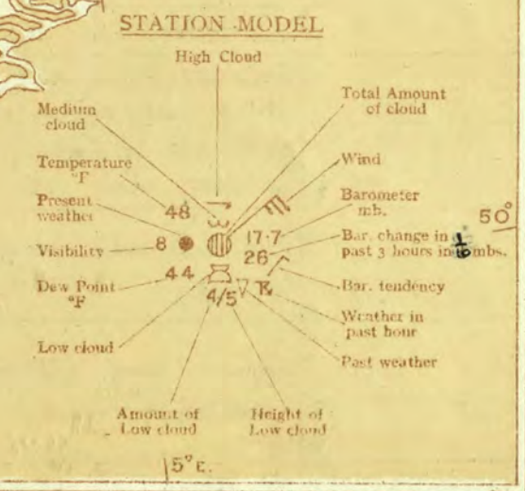
N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Monday 19th January 1942

Low

High

STATION MODEL



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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 19th January

1942.

Clarke's Projection Scale 1 : 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 800

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

= Warm Front on the Surface
= Warm Front above the ground
= Cold Front on the surface
= Cold Front above the ground
= Occluded Front (or Occlusion)
= Warm Occlusion
= Cold Occlusion
= Lines of Frontogenesis
Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

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

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

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

Monday 19th January 1942 — No. 28,278

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

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	*	*	*	*	*	33	*	*	*	*	*	*	*	*	*
	Croydon ...	217	22.1	+2	E	–	54	32	97	32	2	5	–	–	10	10	1800
	S. Farnborough	226	22.4	+2	–	–	0	38	97	32	2	5	–	–	10	10	1000
	Boscombe Down	417	22.3	+2	–	0	0	33	97	33	0	–	–	–	10	10	<150
	Thorney Island	10	21.7	+2	–	–	0	38	92	34	4	5	–	–	10	10	1600
	Lympne ...	346	22.3	-2	–	–	0	30	97	30	4	5	–	–	9+	9+	1700
	Manston ...	154	22.0	0	–	0	0	31	97	29	4	5	–	–	10	10	1400
2	Shoeburyness ...	11	22.5	0	–	0	0	30	88	27	5	5	–	–	10	10	4000
	Felixstowe ...	15	22.4	+2	NNE	2	0/8	32	92	29	6	5	–	–	10	10	2300
	Gorleston ...	5	22.7	0	E	2	0	38	88	30	5	5	–	–	10	10	1500
	Mildenhall ...	19	22.9	+2	NE	1	0	31	88	28	4	5	–	–	7-8	10	1800
	Cranwell ...	240	23.0	+6	–	0	0	30	97	30	4	5	–	–	10	10	1300
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21.8	+4	ENE	1	F	31	97	31	0	–	–	–	10	10	<150
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20.7	-6	SSE	2	6	42	88	38	7	–	–		0	0	–
	Bristol ...	209	22.1	0	–	0	F+	34	92	34	1	–	–	–	10	10	<150
	Portland Bill ...	32	20.8	+8	NE	2	7	40	92	38	7	6	–	–	7-8	7-8	2500
	Plymouth ...	82	21.5	-6	SE	2	6	35	97	35	1	–	–	6	0	4+6	–
	The Lizard ...	240	21.1	-6	WNW	2	6	43	92	41	7	8	–	–	2-3	2-3	2500
	Scilly (St.Mary's)	163	20.3	-16	NNW	3	7	47	92	45	8	5	–	–	10	10	1200
	Guernsey ...	175															
6	Pembroke ...	142	20.9	-4	E	2	6	40	97	40	3	–	4	–	0	4-6	–
7	Holyhead ...	26	18.4	-6	NE	2	7	32	97	32	1	–	–	–	0	0	–
	Chester(Sealand)	16	21.8	+2	SE	2	0	31	97	31	1	5	–	–	10	10	500
8	Manchester ...	235	22.4	+14	–	0	7	31	97	30	5	5	–	–	10	10	1500
10	Spurn Head ...	29	23.4	+8	ESE	2	6	34	88	33	5	3	–	–	10	10	1500
	Catterick ...	175	23.8	+10	E	1	0	29	88	26	2	–	–	–	10	10	<150
	Tynemouth ...	108	23.4	+12	SSE	3	7	31	92	29	4	5	–	–	10	10	1500
11	St. Abbs Head	280	21.5	+16	SE	4	7	33	97	33	5	5	–	–	10	10	1500
	Leuchars ...	36	21.6	+6	ENE	1	7	36	97	35	4	5	–	–	10	10	1200
12	Renfrew (Abbots L.)	19	20.4	0	E	2	0/6	34	97	34	5	5	–	–	10	10	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	20.1	+4	SSE	5	7	40	88	36	6	5	2	–	9	10	2000
13A	Tiree	22	13.6	-12	SSE	6	6	44	92	42	7	5	–	–	7-8	7-8	1800
13B	Stornoway ...	80	14.0	-10	SSE	6	6	46	92	43	7	5	7	–	7-8	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	38	*	*	*	*	*	*	*	*	*
	Wick ...	119	19.1	+2	S'E	5	7	40	88	36	6	5	–	–	10	10	900
16	Sumburgh ..	30	22.5	+2	SSE	6	6	38	78	33	7	5	–	–	10	10	1500
17	Blacksod Point	18	10.5	-20	S	6	8	51	88	48	7	9	–	–	10	10	1500
18	Malin Head ...	84	13.2	-22	S	5	7	44	88	41	7	8	–	–	9	9	1500
	Aldergrove ...	268	18.3	-6	SSW	3	6	40	92	38	7	–	2	–	10	10	7700
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18.7	-16	S'E	4	6	51	97	49	6	6	–	–	10	10	450
	Roches Point	22	16.8	-22	S'E	5	6	47	97	46	6	8	–	–	10	10	450

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

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)	22.2	-2	E	2	F	33	92	31	3	5	–	–	10	10	2500	7	*
	Croydon ...	22.2	-2	ENE	2	F	31	97	31	3	5	–	–	10	10	1200	8	*
	S. Farnborough	22.0	-4	E	1	F	32	97	32	2	5	–	–	10	10	200	6	*
	Boscombe Down	21.3	-6	E	2	F	33	97	33	0	–	–	–	10	10	<150	4	*
	Thorney Island	21.1	-4	NNE	2	F	35	97	34	4	5	–	–	10	10	1300	1	*
	Lympne ...	22.5	+2	–	0	F	32	97	31	3	5	–	–	10	10	1200	7	2
	Manston ...	22.4	+2	E'S	1	8	34	85	3	4	5	–	–	10	10	1500	8	*
2	Shoeburyness ...	21.6	-4	NE'N	2	6	32	92	30	5	5	–	–	9+	10	4000	3	*
	Felixstowe ...	22.7	+2	ENE	4	8	32	85	27	6	5	–	–	10	10	1400	8	
	Gorleston ...	24.3	+6	E	5	8	32	92	31	6	5	–	–	10	10	1500	1	3
	Mildenhall ...	23.4	+2	E	3	7	31	85	29	4	5	–	–	10	10	700	4	*
	Cranwell ...	23.2	-2	–	0	F	31	97	31	3	–	–	–	10	10	<150	8	*
3	Birmingham ...	22.6	-2	ESE	3	F	30	97	30	1	–	–	–	10	10	<150	8	*
	Upper Heyford	22.6	-2	ENE	3	8	30	97	30	1	–	–	–	10	10	<150	8	*
4	Ross-on-Wye	21.1	-6	ENE	2	F	31	97	31	1	5	–	–	10	10	<150	4	*
5	Hartland Point	18.5	-10	SE	3	6	39	92	38	7	5	2	–	7-8	10	1500	1	3
	Bristol ...	21.1	-6	E	2	F	33	97	33	3	–	–	–	10	10	<150	1	*
	Portland Bill ...	20.0	-6	N	2	6	39	85	36	7	5	–	–	10	10	2500	1	4
	Plymouth ...	20.1	-6	ESE	3	6	38	97	38	5	5	–	–	10	10	2000	1	3
	The Lizard ...	18.6	+16	S	2	6	46	97	46	7	8	–	–	10	10	1500	1	4
	Scilly (St.Mary's)	16.8	-18	SW'W	3	6	50	97	50	3	–	–	–	10	10	<150	1	3
6	Pembroke ...	17.6	-24	SE'S	5	7	45	97	44	5	6	–	–	10	10	2500	1	3
7	Holyhead ...	16.6	-18	ESE	2	6	38	92	36	4	5	–	–	10	10	5200	1	4
	Chester(Sealand)	20.8	-6	SE	4	6	31	97	30	3	5	–	–	10	10	600	7	*
8	Manchester ...	21.7	-12	–	0	7	32	85	28	5	5	–	–	10	10	2000	4	*
10	Spurn Head ...	24.0	0	ESE	5	6	34	78	30	5	5	–	–	10	10	1500	6	4
	Catterick ...	23.9	0	S	1	6	31	92	28	3	5	–	–	10	10	500	8	*
	Tynemouth ...	22.6	-2	S	4	6	34	92	31	6	5	–	–	10	10	1600	3	3
11	St. Abbs Head	–	-8	S	5	7	33	85	30	5	5	–	–	10	10	1500	0	3
	Leuchars ...	20.7	-8	ESE	4	6	35	86	32	3	5	–	–	10	10	1500	1	*
12	Renfrew (Abbots L.)	18.6	-14	E'S	3	6	36	92	33	5	5	–	–	10	10	2000	4	*
	Eskdalemuir ...	20.7	-4	SE'E	3	6	30	92	28	4	5	–	–	10	10	300	8	*
	Point of Ayre...	17.4	-20	S'E	6	7	37	85	34	4	6	2	–	9	10	1500	1	4
13A	Tiree	10.3	-28	SSE	7	6	41	97	40	7	5	–	–	9	9	1800	0	6
13B	Stornoway ...	10.0	-10	SSE	7	7	44	97	44	7	8	7	–	7-8	10	2000	1	4
15	Dalwhinnie ...	18.6	-10	SE	5	6	31	92	28	2	5	2	–	7-8	10	1500	9	*
	Aberdeen ...	102.2	-8	SSE	5	7	38	75	30	6	6	2	–	4-6	10	1600	1	3
	Wick ...	17.6	-8	S'E	8	7	39	88	34	6	5	–	–	10	10	1800	1	*
16	Sumburgh ..	21.0	-4	S'W	6	6	38	75	32	7	6	–	–	10	10	1500	1	5
17	Blacksod Point	05.3	-28	S	6	8	51	97	47	7	6	–	–	10	10	1500	1	*
18	Malin Head ...	07.8	-28	S'E	7	6	43	92	42	6	8	–	–	9	9	1500	1	4
	Aldergrove ...	14.4	-30	SE'S	4	6	42	87	41	6	5	–	–	10	10	500	2	*
19	Birr Castle ...	10.5	-26	S	3	6	47	97	43	7	5	–	–	10	10	1500	1	*
20	Valentia Obsy.	09.3	-22	S'W	5	6	52	97	51	6	6	2	–	9+	10	1500	1	5
	Roches Point	12.6	-18	S	4	6	49	97	48	6	5	–	–	10	10	450	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 18h Hrs. (38)
1	London (Kew)	34	32	31	0.1	1	0.0
	Croydon ...	35	31	31	Tr	0.5	0.0
	S. Farnborough	33	32	32	0.1	1	0.0
	Boscombe Down	34	32	32	0.1	0.4	0.0
	Thorney Island	35	34	34	2	1	*
	Lympne ...	35	27	23	–	–	0.0
	Manston ...	35	29	18	–	0.1	0.0
2	Shoeburyness ...	35	29	28	–	–	0.0
	Felixstowe ...	38	31	29	–	Tr	0.3
	Gorleston ...	35	31	31	–	–	*
	Mildenhall ...	36	30	28	–	0.1	4.9
	Cranwell ...	31	30	30	Tr	Tr	0.0
3	Birmingham ...	30	29	29	0.1	–	0.0
	Upper Heyford	30	30		–	1	*
4	Ross-on-Wye	35	31	31	0.1	Tr	0.0
5	Hartland Point	46	35	35	–	0.3	3.1
	Bristol ...	37	32	33	0.2	–	0.0
	Portland Bill ...	45	37	*	2	–	*
	Plymouth ...	48	32	28	–	Tr	4.1
	The Lizard ...	49	42	*	–	2	5.3
	Scilly (St.Mary's)	49	43	*	–	–	4.6
	Guernsey ...						
6	Pembroke ...	48	36	*	–	0.3	4.3
7	Holyhead ...	46	32	29	Tr	Tr	*
	Chester(Sealand)	33	31	31	1	–	0.0
8	Manchester ...	33	31	31	–	–	*
10	Spurn Head ...	33	32	*	–	–	0.5
	Catterick ...	29	28	28	Tr	Tr	0.0
	Tynemouth ...	31	31	29	0.5	–	*
11	St. Abbs Head	36	32	*	–	–	*
	Leuchars ...	35	32	32	–	–	0.0
12	Renfrew (Abbots L.)	37	31	31	2	Tr	0.7
	Eskdalemuir ...	33	28	28	1	Tr	0.0
	Point of Ayre...	42	37	*	–	–	0.0
13A	Tiree	49	37	*	–	–	0.0
13B	Stornoway ...	48	40	*	–	3	4.3
15	Dalwhinnie ...	*	*	*	–	–	*
	Aberdeen ...	35	24	19	–	Tr	0.0
	Wick ...	38	37	31	1	Tr	0.0
16	Sumburgh ..	41	38	38	2	–	*
		38	36	35	4	Tr	0.0
17	Blacksod Point	49	46	*	–	0.4	*
18	Malin Head ...	47	40	*	–	1	0.0
	Aldergrove ...	49	36	32	–	0.2	4.8
19	Birr Castle ...	51	39	36	–	5	*
20	Valentia Obsy.	51	47	45	Tr	17	3.0
	Roches Point	47	*	*	–	6	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 18th January: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 19th January: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	58538	46428	62	52536	13558	5-	03748	49628	5-	61748	48728
115	52	02834	24527	57	02834	24327	54	02844	16325			
203				50	01954	12323				5-	64738	12328
206	80	01825	24185	43	01863	00024	50	01762	00014	51	01764	43424
210	57	22855	20268	57	22854	17268	04	00890	12311	51	02863	45628
220	53	01953	23113	53	01653	20204						
230	18	05652	00053	50	05653	08114	00	05690	12304	5-	05658	47528
245	57	05546	22178	5-	08467	00077	5-	05548	16358	5-	61548	48558
260	53	43338	22148	--	48209	20149	--	46009	00049	5-	41566	11346
285	5-	05543	12253	--	48109	18249	02	05690	10348	5-	05548	43628
279	02	43338	30148	5-	47348	12148	5-	45348	00048			
285										-	48209	08449
288	5-	71548	18278	02	23438	18278	02	08448	20158	52	05544	00028
575	10	01841	10118	07	02790	14316	5*	62748	12268	5-	52648	12358
301	5-	08467	02127	--	46209	10149	--	46209	10349	--	44309	12549
321	02	05548	10278									
299	5-	05547	18227	8-	72538	20278	80	05638	10278	5-	05648	08328
292	02	05550	13228	02	78438	13148	5-	08448	00028	5-	05548	09128
310										--	46208	04349
614	02	47338	06258	02	23438	00078	53	47265	00048	52	23356	06278

III	13h. G.M.T. 18th January: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 19th January: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
333	5-	05655	26225	00	05590	30115	5-	08438	00018	52	61543	16428
334												
340				5-	45328	10248	--	46209	08249	--	48209	12449
136	00	05690	10220	5-	05668	08112	5-	05558	00078			
336										--	46209	12349
350	5-	52428	13178	5-	77348	06178	--	57209	00059	5-	41448	06578
368	5-	51648	26258	5-	45347	08158	5-	45246	00046	--	48209	10149
379	-	48109	08149	--	44109	00049				--	46009	12149
390	5-	08448	13278				5-	43358	08178	6-	77358	04368
382	02	43328	10288	--	57109	00049	--	57009	00059			
438	5-	02648	16228							5-	03538	04228
430	02	51648	02278	5-	08448	32128	62	62448	04168	02	52448	04168
409				5-	01643	30214	00	05690	14210	5*	62548	16368

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
$C_L C_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

For the 24 hours ending morning of 19th
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 ...	33.15of	0f15.	3.6 off	Kew 24 hours ended 7h. Max. Time 1.0 14-16h
Croydon ...	0fom	0f15.		
Greenwich ...	0cff	ci5ofm	ci5ofm	Min. Time 0.3 2-4h 19th
Camden Square	0	0		
Kensington ...	02	0f		
Hampstead ...	0	0	0mx	

Stations.	Temperature: Day Max °F	Temperature: Night Min °F	Min on grass °F	Rainfall: Day mm	Rainfall: Night mm	Sunshine to sunset hrs (Yesterday)	Humidity: 15h %	Humidity: 9h % (To-day)
Kew ...	34	32	31	0.1	1	0.0	*	*
Croydon ...	35	31	31	Tr	0.5	0.0	*	*
Greenwich ...	33	31	30	Tr	Tr	0.0	84	91
Westminster ...	35	33	32	0.2			99	83
Regents Park ...	34	32	31	–	0.4		89	95
Camden Square	33	28	28	–	0.3	*	*	83
Kensington ...	35	29	27	0.3	*		82	87
Hampstead ...	33	29	28	–	0.1		*	99

SECRET

Page 1 BRITISH SECTION

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

Tuesday 20th January 1942

No. 29279.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	21·5	-10	E'S	3	rs	33	85	30	4	5	–	–	10	10	1500
	Croydon	22·0	-8	SE	3	rs	32	97	31	4	5	–	–	10	10	600
	S. Farnborough	21·0	-14	E	3	o/s	33	97	32	3	5	–	–	10	10	1600
	Boscombe Down	20·3	-10	E'S	4	dodo	32	97	31	5	–	2	–	10	10	300
	Thorney Island	20·5	-16	ENE	3	m	36	85	32	4	–	2	–	10	10	900
	Lympne	23·0	-4	NE	2	zo	31	92	28	5	5	–	–	10	10	1000
	Manston	22·9	-4	E'N	3	zo	30	85	27	5	5	–	–	10	10	1200
2	Shoeburyness	23·1	-6	E'N	4	o	33	75	26	6	5	–	–	10	10	2100
	Felixstowe	23·5	-6	E	5	zo	30	65	20	6	5	–	–	9+	9+	2000
	Gorleston	25·0	-4	SE'E	6	c	30	85	27	7	7	–	–	7-8	7-8	2000
	Mildenhall	22·5	-14	E	5	zo	30	75	24	6	5	–	–	10	10	2000
	Cranwell	23·0	-8	SE	4	zo	28	92	24	6	6	2	–	9	10	800
3	Birmingham	20·8	-8	SE	3	m	31	97	30	4	5	–	–	10	10	450
	Upper Heyford	21·3	-10	NE	3	sh	31	97	30	3	–	2	–	10	10	450
4	Ross-on-Wye	19·0	-16	E'S	2	sf	33	97	33	3	5	–	–	10	10	500
5	Hartland Point	14·1	-32	SE	4	rofo	43	97	43	6	5	2	–	7-8	10	1000
	Bristol	18·7	-20	SE	3	rs	35	97	35	3	–	–	–	10	10	<150
	Portland Bill	18·4	-18	SW	3	ir	44	92	42	7	5	–	–	10	10	2500
	Plymouth	16·7	-26	SE	2	roro	45	97	45	5	5	–	–	10	10	500
	The Lizard	15·3	-20	SW	3	drofo	50	97	50	4	5	–	–	10	10	600
	Scilly (St. Mary's)	14·8	-14	SW'S	3	dfo	50	97	50	3	–	–	–	10	10	100
	Guernsey															
6	Pembroke	14·0	-20	SE	6	rr	43	97	43	6	8	2	–	7-8	10	1500
7	Holyhead	12·9	-32	SE	4	roro	41	85	36	6	5	–	–	10	10	1200
	Chester (Sealand)	18·6	-20	SE	3	sf	32	97	32	3	5	2	–	7-8	10	400
8	Manchester	20·2	-14	SEE	4	iso	31	97	31	4	5	–	–	10	10	1000
10	Spurn Head	23·5	-2	SE'E	6	o	31	85	26	7	5	–	–	9	10	2500
	Catterick	22·1	-16	SSE	4	m/f	31	85	28	4	5	2	–	4-6	10	600
	Tynemouth	21·5	-8	SSE	6	o	35	85	31	6	5	–	–	10	10	1500
11	St. Abbs Head	18·0	-20	SSE	5	zo	32	85	28	5	5	–	–	10	10	2000
	Leuchars	18·9	-18	SSE	7	zo	35	75	30	6	5	–	–	10	10	700
12	Renfrew (Abbots I.)	15·8	-26	ESE	4	zo	35	75	29	5	5	2	–	7-8	10	1200
	Eskdalemuir	18·7	-20	SE	4	o	30	85	25	6	5	–	–	10	10	500
	Point of Ayre	14·5	-30	SSE	8	rs	37	92	34	5	6	2	–	7-8	10	1000
13A	Tiree	06·3	-26	SSE	7	rr	40	97	40	6	–	2	–	10	10	800
13B	Stornoway	07·8	-10	SSE	6	roro	45	92	44	7	5	2	–	7-8	10	2000
15	Dalwhinnie	12·8	-22	SE	5	o	30	92	29	5	5	5	–	4-6	10	1500
	Aberdeen	19·4	-18	SSE	6	sh	35	75	28	6	6	2	–	9	10	1600
	Wick	15·2	-14	SE'S	9	c	37	75	29	6	5	–	–	10	10	900
16	Sumburgh	20·2	-16	SSE	7	o/rs	37	75	30	7	5	–	–	10	10	2000
17	Blacksod Point	03·9	+2	WSW	5	ir	51	92	49	7	6	–	(	10	10	1500
18	Malin Head	03·8	-30	S'E	7	rr	44	97	43	6	3	–	–	9+	9+	450
	Aldergrove	10·0	-18	SE'S	6	rr	42	97	41	6	6	2	–	7-8	10	500
19	Birr Castle	06·5	-24	SSE	2	ir	50	92	48	7	6	2	–	4-6	10	1500
20	Valentia Obsy.	08·4	+10	W'N	4	iro	50	92	48	6	5	2	–	9	10	1500
	Roches Point	08·0	-26	S	5	dr	49	97	48	5	5	–	–	10	10	450

OBSERVATIONS at 18h. G.M.T. 19th January / 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. 19th (39)	Weather 13h.—18h. 19th (40)	Weather 18h. 19th to 1h. 20th (41)	Weather 1h.—7h. 20th (42)
London (Kew)	19·7	-10	E	3	soso	29	92	28	4	–	2	–	10	10	1500	7	*	fomrso	irosoSSo	omsso	sosse
Croydon	20·0	-14	E	3	sf	28	97	28	3	5	–	–	10	10	800	8	*	omof	irosss	ofss	ofsss
S. Farnborough	18·9	-10	ESE	3	soso	30	97	29	3	5	–	–	10	10	500	8	*	dsrosofo	ofdodsss	sofssfo	sssosfmp
Boscombe Down	17·2	-20	ESE	4	sf	33	97	32	2	–	–	–	10	10	<150	7	*	ofidof	osof	ssf	ssfoisn
Thorney Island	18·0	-14	ESE	4	m	36	97	35	4	6	–	–	10	10	800	1	*	idom	orrm	orrmss	osso
Lympne	21·6	-10	E	4	zo	29	85	26	5	5	–	–	10	10	1500	8	§	fcmoom		cmom	omom
Manston	21·5	-6	ESE	3	zo	28	87	27	5	5	–	–	4-6	7-8	1900	8	*	rsomom		cmocm	cmcm
Shoeburyness	21·4	-12	ESE	4	c	30	78	21	6	5	–	–	10	10	2400	3	*	moo		cm	mcmc
Felixstowe	21·9	-10	ESE	6	zo	29	65	16	6	5	–	6	2-3	4-6	2500	3	3	ssrosoc	cmbcm	cm	cm
Gorleston	23·2	-14	SE	6	c	29	85	26	7	8	–	–	9+	9+	1500	3	5	czobc	bcc	c	o
Mildenhall	21·3	-18	ESE	4	zo	29	65	18	6	5	–	–	10	10	3600	3	*	czo	czo	cisz	cz
Cranwell	20·3	-16	SE	5	soso	25	97	24	4	5	–	–	10	10	800	8	*	ofmido	cmosssm	cmsssoss	ofom ssss
Birmingham	17·6	-20	SE	5	sf	28	97	27	3	5	–	–	10	10	450	8	*	fom	omsssf		
Upper Heyford	18·3	-10	E	4	ss	30	97	30	2	–	–	–	10	10	<150	8	*	ofsom	ossf	ssshf	oshf
Ross-on-Wye	15·1	-20	ESE	3	soso	33	97	32	4	–	2	–	10	10	500	6	*	fosf	rsfso	ss	somo
Hartland Point	09·4	-30	SSE	4	roro	44	97	43	7	5	2	–	4-6	10	1500	1	4	roroc	mroroc	rocepr	cbc
Bristol	14·4	-22	SE'E	4	rs	34	97	33	3	5	–	–	10	10	<150	1	*	offro	orsfm	crosm	fsosf
Portland Bill	14·0	-24	S	5	rr	44	92	42	7	5	–	–	10	10	2500	2	5	offir	orr	orr	orr
Plymouth	11·5	-42	SE	2	rf	49	97	49	4	5	–	–	10	10	300	1	3	ororom	crorompr	mcrrmbc	bcb
The Lizard	09·9	-32	SSW	5	rf	50	97	50	3	5	–	–	10	10	600	1	5	orfrm	ormrf	bc	bc
Scilly (St. Mary's)	09·9	-18	WNW	5	o/r	51	97	51	7	5	–	–	10	10	1000	1	3	odff	odfdfrr	cxbbc	bc
Guernsey																					
Pembroke	08·7	-20	SE	5	rr	45	97	45	5	8	–	–	10	10	2000	1	4	crrmo	crrmo	cirbcq	bcq
Holyhead	07·8	-34	SSE	5	rr	42	92	40	5	6	2	–	7-8	10	500	1	3	cmrorom	crrmo	pcrom	b,cm
Chester (Sealand)	14·3	-26	SE'E	3	sf	30	92	29	2	–	2	–	10	10	500	7	*	cmssf	osomssf	osfsf	osfsf
Manchester	16·2	-12	ESE	5	sf	28	97	28	2	–	2	–	10	10	400	8	*	mcso	cmssf	ofs	ofms
Spurn Head	20·9	-2	S	6	o	32	97	31	6	8	–	–	10	10	2500	0	4	opsho	opsho	oq	p
Catterick	19·2	-18	SSE	5	soso	27	97	26	4	5	2	–	9	10	600	8	*	ofrosm	cmososo	ssf	oxsmsos
Tynemouth	18·6	-10	SSE	6	o	31	92	29	7	6	–	–	10	10	1500	3	5	omo	o	ff	osss
St. Abbs Head	14·9	-8	SSE	6	zo	29	97	29	5	5	–	–	10	10	1500	0	4	como	omo	oqmss	omss
Leuchars	15·6	-16	SSE	6	sh	31	92	29	4	5	–	–	10	10	800	4	*	cmo	cmoshm	oshmf	oshfshm
Renfrew (Abbots I.)	11·9	-22	E	4	ss	32	97	32	3	–	–	–	10	10	<150	8	*	cmm	cmossf	omsfs	omisoso
Eskdalemuir	15·0	-18	SE	4	soso	26	97	25	4	–	2	–	10	10	400	8	*	ofco	odososo	osos	osso
Point of Ayre	10·3	-16	S'E	8	s	34	97	34	5	6	2	–	4-6	10	800	1	6	idorsc	rsrsc	rsssssc	sosscdod
Tiree	05·0	-4	S'E	7	rr	38	97	38	6	–	2	–	10	10	1200	1	6	odrr	orr	c	cirbc
Stornoway	05·3	0	SSE	7	RR	42	92	41	7	5	2	–	7-8	10	1000	2	4	cprrr	crorRR	cRRrobc	bccbcpr
Dalwhinnie	09·8	-18	SSE	5	soso	27	92	25	4	5	–	–	10	10	1500	4	*	fo	osos		oss
Aberdeen	15·8	-26	S	5	sh	35	75	28	6	6	2	–	2-3	10	1500	4	4	cirsh	cisho	cof fq	offq
Wick	12·4	-4	SSE	8	rs	36	85	30	5	5	–	–	10	10	1600	1	*		omors	rssssh	shisso
Sumburgh	16·7	-26	SSE	8	ps	35	75	29	7	5	–	–	10	10	2000	1	5	insoc	cphops	pcrso	cprs
Blacksod Point	08·7	+22	W	5	bc	47	75	40	8	3	–	–	4-6	4-6	2500	1	4	r	bc	bc	bc
Malin Head	05·0	+14	SW	3	ir	46	85	41	7	9	–	–	7-8	7-8	1500	1	4	r	r	bc	b
Aldergrove	07·0	-6	SSE	5	rr	41	97	40	6	6	–	–	10	10	600	2	*	crrmo	crrmo	rrdgcf	bbx
Birr Castle	08·4	+18	NNW	2	c	47	85	42	8	8	–	–	7-8	7-8	1500	1		r	r		b
Valentia Obsy.	13·0	+28	NW'W	4	c	48	65	37	8	2	–	–	7-8	7-8	2500	1	5	r	pr	bc	pr
Roches Point	09·7	+26	NW	5	bc	47	85	42	8	3	4	–	2-3	4-6	1500	1	*	r	pr	b	b

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

Districts	Forecast
1 S.E. England, 2 E. England, 3 E. Midlands, 4 W. Midlands	Moderate S.E. wind falling light; cloudy, slight snow locally; very cold, frost day and night.
5 S.W. England, 6 South Wales, 7 North Wales	Wind variable light or moderate; some snow in east of areas, broken clouds and local showers in west; cold in east, mild in west.
8 N.W. England, 9 N. Midlands, 10 N.E. England	As 1-4.
11 S.E. Scotland, 12 S.W. Scotland & Isle of Man	Wind variable light; cloudy, slight snow; cold.
13A W. Scotland, 13B N.W. Scotland	Light wind backing and freshening later; variable cloud, showers; rather mild.
14 Mid Scotland	As 11-12.
15 N.E. Scotland	Strong S. wind, gale in Shetland, moderating; some
16 Orkneys and Shetlands ✱	Snow becoming slight; cold.
17 N. W. Ireland, 18 N. E. Ireland, 19 S. E. Ireland, 20 S. W. Ireland	Light W. to S.W. wind increasing to moderate fair at first, cloud increasing with rain spreading from west later; rather mild.

GENERAL INFERENCE

A trough of low pressure from West Scotland to Dorset is filling up without appreciable movement. There is a very cold S.E. current east of it and a mild N.W. current west of it. Snowfall will become slight and local and will be vast near the trough but skies will be mainly cloudy. West of the trough there will be bright intervals and local showers. The wintry spell in the east and Midlands will probably last for at least another few days.

FURTHER OUTLOOK

Wintry weather for 2 or 3 days in East; Further snow locally but mainly dry in extreme East. Mild and unsettled in S.W.

✱ Gale warning issued in district 16. time 23.50h on 18:1:42.

Forecasts issued at 10.30h. G.M.T.

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

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

7h. Tuesday 20th January. 1942.

10° 5°W. 0° 5°E. 10°

60° 55° 50°

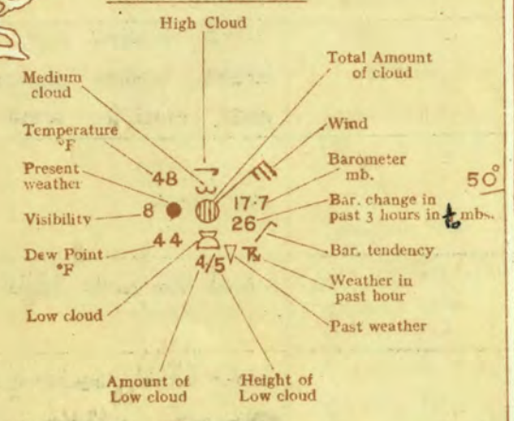
1004 1006 1008 1010 1012 1014 1016 1018 1020

Low

HIGH

HIGH

STATION MODEL



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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 20th January

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Tuesday 20th January 1942 — No. 29,279

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

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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	15.4	-20	ESE	4	sf	26	92	23	3	5	-	-	10	10	700
	S. Farnborough	226	14.0	-22	ESE	3	sf	27	97	26	3	5	-	-	10	10	600
	Boscombe Down	417	12.6	-14	SE'E	6	sf	32	97	32	3	-	-	-	10	10	<150
	Thorney Island	10	12.8	-22	SE	4	S_c	33	97	33	4	-	2	-	10	10	450
	Lympne ...	346	17.8	-22	ESE	5	N_c	24	85	21	5	5	-	-	10	10	1100
	Manston ...	154	17.6	-24	SE'E	4	N_c	23	92	20	4	5	2	-	9	10	1200
2	Shoeburyness ...	11															
	Felixstowe ...	15	18.4	-20	SE	6	N_c	27	85	22	6	6	7	-	9	9+	1200
	Gorleston ...	5	18.8	-14	SE'S	6	N_c	28	92	26	6	5	-	-	10	10	1500
	Mildenhall ...	19	17.5	-14	ESE	5	N_c	27	75	22	6	5	-	-	4-6	10	1700
	Cranwell ...	240	16.6	-10	SSE	7	ss	25	97	25	3	-	-	-	10	10	<150
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15.7	-4	E	4	sn	25	97	25	2	-	-	-	10	10	<150
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10.7	+28	NNW	6	c/pc	46	75	39	8	8	-	-	9	9	1500
	Bristol ...	209	11.3	+2	SE	4	S_c	38	97	38	4	5	-	-	10	10	900
	Portland Bill ...	32	10.3	-4	SE	5	rr	42	92	40	7	5	-	-	10	10	2500
	Plymouth ...	82	10.6	+14	WNW	4	bc/pc	47	92	44	8	5	-	-	4-6	4-6	2000
	The Lizard ...	240	12.7	+16	NW	6	bc	46	85	39	8	8	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	14.3	+20	N'W	5	bc	47	75	40	8	4	-	-	2-3	2-3	1500
	Guernsey ...	175															
6	Pembroke ...	142	11.8	+26	NW	6	bcq	46	75	38	7	4	-	-	2-3	2-3	2500
7	Holyhead ...	26	09.1	+10	NW	5	N_c	44	82	42	6	5	-	-	7-8	7-8	2000
	Chester (Sealand)	16	12.7	+4	SE	4	sf	27	92	25	2	-	2	-	10	10	800
8	Manchester ...	235	14.4	+6	SE'E	4	sf	26	97	25	3	-	-	-	10	10	<150
10	Spurn Head ...	29	17.5	-4	SSE	6	cq	30	97	30	6	8	-	-	10	10	1500
	Catterick ...	175	16.7	-2	ESE	3	sf	25	97	25	3	-	-	-	10	10	<150
	Tynemouth ...	108	17.3	0	SSE	6	$S_c S_c$	25	92	24	6	6	-	-	10	10	1500
11	St. Abbs Head	280	12.8	-8	S	7	$S_c S_c$	25	97	23	2	5	-	-	10	10	800
	Leuchars ...	36	14.4	0	SE	3	sf	28	92	27	3	5	-	-	10	10	700
12	Renfrew (Abbotsl.)	19	12.7	-6	E	3	ss	30	97	29	3	-	-	-	10	10	<150
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	11.0	+12	SSE	7	$S_c S_c$	33	92	33	7	6	2	-	7-8	10	1000
13A	Tiree	22	08.4	+14	S	3	c	41	92	39	7	5	-	-	9	9	1500
13B	Stornoway ...	80	06.4	+18	SSW	3	bc	43	97	43	7	5	-	-	4-6	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	32	*	*	*	*	*	*	*	*	*
	Wick ...	119	10.2	-6	S	7	sh	32	97	32	4	-	-	-	10	10	<150
16	Sumburgh ..	30	14.3	-10	SSE	8	rs	34	97	33	6	5	-	-	10	10	1200
17	Blacksod Point	18	12.5	+8	W'N	3	bc	44	85	38	8	4	-	-	2-3	2-3	4000
18	Malin Head ...	84	09.4	+18	NW	3	bc	44	85	38	8	9	-	-	2-3	2-3	2500
	Aldergrove ...	268	10.9	+18	-	0	b	40	97	38	7	5	-	-	1	1	3000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	16.1	+6	WNW	4	b	46	85	36	8	-	-	-	Tr	Tr	2500
-	Roches Point	22	15.2	+18	NW	4	b	44	85	40	8	-	-	-	0	0	-

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

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. (31)	Sea. 0–9 (32)
1	London (Kew)	17.2	+12	ENE	2	S_c	25	75	19	4	5	-	-	10	10	1500	7	*
	Croydon ...	16.7	+6	NE	3	S_c	23	85	21	4	5	-	-	10	10	700	8	*
	S. Farnborough	16.5	+14	E	3	S_c	24	92	22	4	5	-	-	10	10	800	8	*
	Boscombe Down	16.0	+22	ESE	4	S_c	27	92	25	4	5	-	-	10	10	900	9	*
	Thorney Island	14.9	+14	E	4	S_c	28	92	26	4	-	2	-	10	10	450	7	*
	Lympne ...	17.9	+2	E	4	N_c	23	92	21	6	5	-	-	10	10	1200	8	*
	Manston ...	17.6	-4	ESE	4	N_c	24	85	19	5	5	7	-	9+	10	1000	8	*
2	Shoeburyness ...	18.0	0	ESE	4	c	27	75	21	5	5	-	-	10	10	2200	3	*
	Felixstowe ...	18.6	-2	SE'E	5	N_c	28	75	21	6	5	-	-	10	10	2000	3	
	Gorleston ...	18.8	0	SE'S	6	N_c	28	97	26	6	5	-	-	10	10	1000	3	
	Mildenhall ...	18.3	+2	SE'E	4	N_c	27	75	21	6	5	-	-	7-8	10	2000	3	*
	Cranwell ...	17.0	+2	S'E	4	$S_c S_c$	24	97	24	4	-	-	-	10	10	<150	*	*
3	Birmingham ...																	
	Upper Heyford	16.8	+10	E	4	sh	21	97	21	3	-	-	-	10	10	<150	8	*
4	Ross-on-Wye	15.7	+6	E	1	N_c	27	92	26	5	5	-	-	10	10	800	7	*
5	Hartland Point	14.8	+12	NNW	5	bc	44	75	35	8	2	-	-	2-3	2-3	2500	1	5
	Bristol ...	15.4	+16	SE	3	$S_c S_c$	28	97	28	3	-	2	-	10	10	800	7	*
	Portland Bill ...	13.2	+24	SE	4	rr	38	92	36	7	5	-	-	10	10	2500	1	5
	Plymouth ...	14.9	+20	NNW	4	b	43	92	40	8	5	-	-	Tr	Tr	2000	1	3
	The Lizard ...	15.7	+6	NNW	4	c	41	75	30	8	8	-	-	4-6	7-8	2500	1	5
	Scilly (St. Mary's)	17.2	+8	N'W	4	bc	46	85	45	8	4	-	-	4-6	4-6	1500	1	4
	Guernsey ...																	
6	Pembroke ...	15.0	+10	NW	5	bcq	44	75	37	7	1	-	-	2-3	2-3	4000	1	3
7	Holyhead ...	13.3	+18	-	0	N_c	38	97	37	6	5	-	-	9	9	2000	1	-
	Chester (Sealand)	15.0	+18	SE	3	sf	25	92	22	3	-	2	-	10	10	900	9	*
8	Manchester ...	16.0	+14	SE	4	$S_c S_c$	26	97	26	4	-	2	-	10	10	1800	8	*
10	Spurn Head ...	17.5	0	SE'S	6	c	31	92	30	6	8	-	-	10	10	2500	0	3
	Catterick ...	17.8	+6	SSE	3	$S_c S_c$	28	97	25	4	-	2	-	9+	10	400	8	*
	Tynemouth ...	17.7	+2	SSE	6	$S_c S_c$	27	92	25	6	6	-	-	10	10	1500	4	4
11	St. Abbs Head	15.6	+14	S	5	$S_c S_c$	25	97	24	5	5	-	-	10	10	800	7	+
	Leuchars ...	14.6	+4	-	0	sh	28	97	28	4	5	-	-	10	10	500	8	*
12	Renfrew (Abbotsl.)	14.3	+10	ENE	1	S_c	29	92	28	4	-	-	-	10	10	220	8	*
	Eskdalemuir ...	16.1	+4	SSW	2	$S_c S_c$	24	97	23	4	-	2	-	10	10	400	8	*
	Point of Ayre ...	14.2	+14	S'E	5	dq	32	97	32	7	6	2	-	7-8	10	1800	7	5
13A	Tiree	10.7	+8	-	0	bc	37	97	36	7	8	-	-	4-6	4-6	1800	1	3
13B	Stornoway ...	09.4	+18	SW	3	bc	40	92	38	8	5	-	-	2-3	2-3	3000	2	3
15	Dalwhinnie ...	14.2	+6	S	3	c	26	75	23	6	5	-	-	10	10	1500	8	*
	Aberdeen ...	13.9	+4	SSW	3	ss	31	97	31	8	8	-	-	10	10	1200	8	4
	Wick ...	10.6	+6	S	6	N_c	33	97	33	4	-	2	-	10	10	600	7	*
16	Sumburgh ..	13.8	-2	SSE	7	rs	34	97	33	6	5	-	-	10	10	800	1	6
17	Blacksod Point	11.9	-10	WNW	3	bc	46	86	41	8	2	-	-	2-3	2-3	4000	2	3
18	Malin Head ...	11.6	+6	SSW	1	bc	40	85	37	8	8	-	-	4-6	4-6	2500	1	3
	Aldergrove ...	13.6	+10	SSW	1	b	31	97	30	8	5	-	-	Tr	Tr	2500	1	*
19	Birr Castle ...	14.6	-0	SSE	1	b	38	92	32	8	-	-	-	0	0	-	1	
20	Valentia Obsy.	15.4	-10	S'W	2	b	44	85	40	8	2	-	-	Tr	Tr	2500	1	3
-	Roches Point	16.7	0	N	3	b	38	92	36	8	-	-	-	0	0	-	1	

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 18th Hrs. (38)
1	London (Kew)	34	23	22	2	7	0.0
	Croydon ...	33	22	21	1	5	0.0
	S. Farnborough	33	23	23	1	6	0.0
	Boscombe Down	33	26	23	2		0.0
	Thorney Island	37	27	23	5	6	*
	Lympne ...	33	22		•	-	0.0
	Manston ...	34	22	19	Tr	-	0.0
2	Shoeburyness ...	34	25	25	Tr	-	0.0
	Felixstowe ...	33	26	26	Tr	-	0.0
	Gorleston ...	32	27	26	-	-	*
	Mildenhall ...	32	26	26	-	Tr	0.0
	Cranwell ...	31	24	22	Tr	*	0.0
3	Birmingham ...	31			2		
	Upper Heyford	31	21		1	2	
4	Ross-on-Wye	33	27	*	2	7	0.0
5	Hartland Point	45	43	41	11	3	0.0
	Bristol ...	35	28	30	4	*	0.0
	Portland Bill ...	45	38	*	3	12	*
	Plymouth ...	49	43	35	17	5	0.0
	The Lizard ...	50	40	*	8	1	0.0
	Scilly (St. Mary's)	51	45	*	4	-	0.0
	Guernsey ...						
6	Pembroke ...	46	38		26	10	0.0
7	Holyhead ...	42	37	31	11	12	*
	Chester (Sealand)	32	25		5	13	0.0
8	Manchester ...	33	24	23	0.5	8	*
10	Spurn Head ...	35	29		-	-	0.0
	Catterick ...	32	25	*	Tr	4	0.0
	Tynemouth ...	36	25	23	-	1	*
11	St. Abbs Head	33	24		-	0.1	
	Leuchars ...	36	27	25	0.1	5	0.8
12	Renfrew (Abbotsl.)	37	28	31	8	11	0.0
	Eskdalemuir ...	31	24	27	1	14	0.0
	Point of Ayre ...	37	32	*	5	7	0.0
13A	Tiree	42	37		8	4	0.0
13B	Stornoway ...	45	39	*	4	2	0.0
15	Dalwhinnie ...	31	25	25	0.3	1	0.0
	Aberdeen ...	38	30		Tr	4	
	Wick ...	40	32	32	Tr	*	
16	Sumburgh ..	39	33	32	Tr	4	0.0
17	Blacksod Point	52	42		7	-	
18	Malin Head ...	47	38	*	12	0.4	0.0
	Aldergrove ...	42	31	27	11	2	0.0
19	Birr Castle ...	50	31	27	10	-	0.0
20	Valentia Obsy.	53	43	38	12	Tr	1.0
-	Roches Point	50	*	*	7	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 19th January – 18h. G.M.T. | 01h. G.M.T. 20th January – 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-	61648	47868	5-	14748	47828	6-	72638	48878			
115	52	62735	47668	52	64735	47668	52	62735	12468	52	02844	20486
203	5-	03848	10428				86	02837	16667			
206	57	02864	45628	5-	72658	45578	5-	72648	00678	5-	01654	57474
210	57	05664	46728	02	72658	45878	--	72409	13579			
220				62	64636	14868				50	00752	25202
230	52	68644	12578	02	72448	12878	02	71638	00078	5-	78655	00078
245	52	78746	47778				6-	77338	43678			
260	52	05675	12428	57	72445	10478						
2786	-	68538	45678	5-	68538	44678	5-	68638	44478	5-	78638	11378
279	02	51548	10328	02	74428	12378	--	74409	1079	5-	23538	08178
285	5-	08438	10528	02	72438	08578				02	72636	06478
288	52	78646	13528	52	02735	47428	02	72438	16478	02	72438	16378
57562		62637	12368	5-	22747	24367	20	25843	29483	50	00852	12102
30162		72426	12648	--	74209	12879	02	78328	12778	02	05548	18528
321	52	21744	45478									
299	8-	05647	12427	8-	05647	14627	5-	05648	14678	5-	05648	12528
292	52	05637	13478	02	78538	12478	02	74338	12378	02	72448	12378
310												
614	02	41438	10448	5-	74338	45478	--	74309	45479	02	71438	10278

13h. G.M.T. 19th January – 18h. G.M.T. | 01h. G.M.T. 20th January – 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	02	62548	14468	52	64526	14468	5-	22648	16268	5-	22865	16285
334	--	78437	02278	--	78437	04378				--	03537	04278
340	5-	71428	12528	02	77318	45578	02	77238	12478	5-	23348	12478
136	5-	05657	10427	5-	05668	11578	5-	05678	12528	5-	05658	11428
336	--	77209	08379	--	77199	12479				--	77209	12379
350	5-	78428	08428	5-	74458	41478	5-	72558	43478	5-	72458	10378
368	5-	67208	08268				5-	57338	10368	5-	05338	08278
379	--	57109	10359				--	77109	10479	5-	23538	08178
390	5-	77337	12478	5-	77348	08478	5-	45368	10578	5-	45358	10448
382	5-	47328	08348	--	77209	09479	--	74309	09579	--	72309	07379
438	50	50538	12328									
430				5-	77338	04378	--	77209	10579	5-	72448	08378
409	52	64635	16468	52	54516	17468	50	00751	30768	50	01753	30515

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
$C_L C_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 20th January
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 ...	fomfoSo	ifoSoSSo	omSoSoSoc	Kew 24 hours ended 7h. Max. Time
Croydon ...	omof	ifoSoSoSo	ofSoSoSo	
Greenwich ...	cm	csoS	SScmo	
Camden Square	o	o		
Kensington ...	ofs	os		
Hampstead ...	ox	ox	bcx	Min. Time

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	34	23	22	2	7	0.0	*	*
Croydon ...	33	22	21	1	5	0.5	*	*
Greenwich ...	33	22	*	1	3	0.0	89	72
Westminster ...	35	26	26	*	*	*	91	91
Regents Park ...	34	23	23	Tr	6	*	4	*
Camden Square	34	23	21	-	5	*	*	87
Kensington ...	35	22	*	Tr	4	*	88	65
Hampstead ...	32	21	18	Tr	*	*	*	93

SECRET

Page 1

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

Wednesday 21st January 1942 — No. 29280

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

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)	20·1	+6	E'N	2	zo	28	65	18	5	5	–	–	10	10	2500
	Croydon ...	19·8	+6	ESE	2	zo	27	85	23	6	5	–	–	10	10	2500
	S. Farnborough	20·2	+6	E	1	s-s	25	75	20	5	5	–	–	10	10	2300
	Boscombe Down	19·7	+10	E	2	o/s	24	92	23	5	5	–	–	10	10	800
	Thorney Island	19·2	+12	ENE	3	zo	27	91	25	6	–	2	–	10	10	1500
	Lympne ...	20·6	+4	E	2	zo	27	85	22	5	5	3	–	7-8	9+	1500
	Manston ...	20·6	+8	ESE	3	zo	27	75	22	5	–	7	6	0	9+	–
2	Shoeburyness ...	20·6	+8	SE'E	4	c	29	75	21	6	5	3	–	2-3	10	2300
	Felixstowe ...	21·0	+10	SE'E	4	zo	29	75	21	5	5	7	–	2-3	9+	1200
	Gorleston ...	22·3	+10	SE's	5	zo	29	85	28	6	8	7	–	7-8	9	1800
	Mildenhall ...	21·1	+2	ESE	3	zo	30	65	22	6	5	2	–	9	10	2500
	Cranwell ...	21·1	+10	ESE	3	zo	27	92	25	5	5	–	–	10	10	1500
3	Birmingham ...	20·0	+14	SSE	2	c/m	23	83	20	4	5	–	–	10	10	800
	Upper Heyford	19·8	+10	E'N	3	c/s	23	97	21	5	–	2	–	10	10	800
4	Ross-on-Wye	19·3	+12	E'N	2	zo	26	92	25	5	5	–	–	10	10	800
5	Hartland Point	17·9	+10	NNE	4	bc	45	65	34	8	1	–	–	2-3	2-3	2500
	Bristol ...	19·4	+14	SEE	2	zo	27	97	25	5	5	–	–	10	10	1200
	Portland Bill ...	18·3	+14	ENE	4	o	35	92	32	7	5	–	–	10	10	2500
	Plymouth ...	18·2	+6	NNW	4	bc	47	85	43	8	8	–	–	4-6	4-6	3000
	The Lizard ...	18·7	+6	NW	4	bc	48	75	39	8	8	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	19·0	−4	–	0	bc	50	65	40	8	8	6	–	2-3	4-6	1400
	Guernsey ...															
6	Pembroke ...	18·0	+10	NNW	3	bc	47	75	38	8	2	4	–	1	2-3	3000
7	Holyhead ...	16·8	+10	E	3	zo	40	85	36	6	–	–	–	0	0	–
	Chester (Sealand)	18·9	+4	SE	3	m	26	85	22	4	–	2	–	10	10	1000
8	Manchester ...	19·9	+6	SE's	3	zo	26	85	22	6	–	2	–	10	10	1800
10	Spurn Head ...	21·7	+4	S'E	4	o	31	97	30	6	9	–	–	10	10	2500
	Catterick ...	21·0	+10	S'E	3	zo	26	85	23	5	–	2	–	10	10	700
	Tynemouth ...	20·4	+8	ESE	4	zo	27	92	27	6	5	–	–	9+	9+	1000
11	St. Abbs Head	17·8	+12	S	4	is-	26	97	23	5	5	–	–	10	10	1500
	Leuchars ...	17·1	+10	–	0	is-	30	97	30	5	5	–	–	10	10	400
12	Renfrew (Abbots I.)	17·0	+10	NE	1	of+	32	85	28	3	5	–	–	10	10	800
	Eskdalemuir ...	18·7	+16	–	0	c	26	85	22	6	5	–	–	10	10	400
	Point of Ayre ...	18·0	+10	S'E	5	zo	33	92	32	6	–	2	–	10	10	1500
13A	Tiree	12·0	+4	SSE	3	bc	45	85	41	8	8	–	–	4-6	4-6	1800
13B	Stornoway ...	11·3	+6	S	5	bc	45	92	43	8	2	4	–	2-3	4-6	3500
15	Dalwhinnie ...	16·0	+8	S	3	c	31	85	28	6	8	–	–	9	9	1500
	Aberdeen ...	16·8	+14	S'W	3	s-s	31	97	31	6	6	2	–	7-8	10	1200
	Wick ...	12·9	+14	SSW	2	bc	39	97	38	6	5	3	–	2-3	4-6	2500
16	Sumburgh ...	15·1	+6	S'E	8	rs	35	97	35	5	6	–	–	10	10	500
17	Blacksod Point	11·1	−10	S	5	pr	48	92	46	7	9	–	–	9	9	1500
18	Malin Head ...	12·7	−2	S	2	bc	44	85	40	8	2	–	1	2-3	4-6	5700
	Aldergrove ...	15·6	+2	SE	2	c	39	85	35	7	5	4	1	7-8	9	3200
19	Birr Castle ...	14·9	−2	SSE	2	bc	46	75	39	8	–	–	8	0	2-3	–
20	Valentia Obsy.	14·3	−10	SSW	4	c	51	85	46	8	8	3	3	7-8	9+	2500
	Roches Point	16·6	−6	S'E	2	bc	48	85	43	8	2	4	–	4-6	4-6	2500

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

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	21·3	+4	E'S	2	m	28	75	21	4	5	–	–	10	10	2500	8	*
	22·5	+4	ENE	1	m	28	97	27	4	5	–	–	10	10	1700	8	*
	21·9	+4	E'N	2	zo	27	85	25	5	5	–	–	10	10	2000	8	*
	21·5	+8	E	2	of+	25	97	24	3	5	–	–	10	10	500	9	*
	21·4	+4	ENE	3	is-	29	92	28	5	–	2	–	10	10	1500	8	*
	22·7	+10	E	1	zo	25	85	21	5	0	3	–	0	9	–	7	§ 3
	22·5	+4	E'N	2	zo	25	85	22	5	5	7	–	2-3	9	3500	8	*
2	22·6	+10	SE	3	c	30	75	22	5	5	3	–	4-6	10	2500	3	*
	22·8	+10	E	3	zo	28	65	17	5	5	7	–	4-6	7-8	1600	3	3
	24·6	+8	ESE	3	zo	27	97	27	6	8	–	–	9+	9+	1500	3	4
	23·2	+4	E'S	2	zo	26	85	21	5	–	7	–	0	2-3	–	3	*
	23·0	+4	SE'E	3	m	23	97	23	4	5	–	–	9+	9+	5000	8	*
3	21·7	+4	SE	2	m	25	85	21	4	5	–	–	10	10	800	9	*
	21·8	+12	E'N	1	m	24	92	22	4	–	2	–	10	10	1500	8	*
4	21·5	+10	ENE	1	is-	25	92	24	4	5	–	–	10	10	700	8	*
5	18·5	+6	SE	2	bc	42	75	34	8	4	–	1	1	2-3	2500	1	4
	21·5	+12	E	2	m	26	97	25	4	5	–	–	10	10	800	8	*
	20·0	+6	NE	4	o	35	92	33	7	5	–	–	10	10	2500	1	5
	19·2	+6	NNW	1	m	41	97	41	4	1	–	–	Tr	Tr	3000	1	2
	18·6	−4	WNW	2	bc	44	85	38	8	8	6	–	4-6	4-6	2500	0	4
	18·9	+2	WSW	2	bc	45	75	38	8	8	4	3	4-6	4-6	1800	1	4
6	18·9	+6	SSE	3	c	46	85	42	8	8	–	–	7-8	7-8	3000	1	2
7	17·6	+6	ESE	2	m	36	92	34	4	5	–	–	9+	9+	3500	1	2
	21·0	+18	SE's	3	zo	26	85	22	5	5	–	–	10	10	1000	9	*
8	20·6	+10	SE	3	zo	27	85	22	5	–	2	–	10	10	1500	8	*
10	22·9	+4	SSE	4	o	31	97	30	6	5	–	–	10	10	2500	3	
	22·4	+2	S	3	m	27	85	24	4	–	2	–	10	10	500	8	*
	21·8	+10	S	3	zo	28	92	28	5	–	2	–	10	10	1500	4	4
11	19·2	+6	S	4	o/s	27	92	25	5	5	–	–	10	10	1500	4	3
	19·0	+10	–	0	zo	30	92	30	5	5	–	–	10	10	500	8	*
12	18·2	+8	SSE	1	of	32	85	29	3	5	–	–	10	10	2000	7	*
	20·2	+6	S'W	2	o	26	85	22	4	5	–	–	10	10	100	8	*
	18·4	+8	S'E	6	zo	33	85	30	6	6	2	–	9	10	1500	4	5
13A	12·1	0	S	5	bc	42	92	41	7	5	–	–	4-6	4-6	1500	0	5
13B	11·5	0	SSE	7	c	43	92	41	7	5	7	–	7-8	9+	2000	1	4
15	17·7	+4	S	3	c	30	85	27	6	5	–	–	9+	10	1500	6	*
	18·6	+16	S	3	is-	32	97	32	6	6	2	–	4-6	10	1200	8	4
	15·3	+18	S'E	4	zo	37	92	35	6	5	–	–	7-8	7-8	1700	6	*
16	17·3	+18	S	6	rs	39	75	31	6	5	–	–	10	10	1000	1	5
17	08·6	−14	S	5	c/pr	49	85	44	7	9	–	–	10	10	1500	1	5
18	12·0	−6	S	3	c	42	92	40	8	5	6	–	4-6	7-8	4000	0	3
	15·5	0	SE	5	zo	38	97	37	5	5	–	6	7-8	9+	600	1	*
19	13·9	−4	SSE	2	c	45	85	40	8	5	7	–	7-8	9	2500	1	*
20	12·0	−14	SSW	5	pr	50	92	48	8	8	–	–	9+	9+	1500	1	4
	15·0	−6	S	4	c	48	85	43	8	5	–	5	4-6	7-8	1500	1	*

PAST 24 HOURS.

Weather. 7h.—13h. 20th. (39)	13h.—18h. 20th. (40)	18h. 20th to 1h. 21st (41)	1h.–7h. 21st (42)
cmo oZo	OZo	czbmx	bmffx
cmo	cmo	cmbm	bmx
SSmmoO	OSoSomo	omc	omo
omomomo	dsdoof	offm	omom
OSoS. pmo	omoiso	oismo	
cmo	cmoZo	emxmx	bmxfm
cmo	czomo	cbcmbm	bcem
cmo	cbcmcmcmbmbmcmo		
cmo	cmo	bcmcm	cmo
czo	c	cmo	cmo
czo	czobcmo	bcbmx	bmx
omom	cisocm	cbmo	bmcmo
soOfm	om		om
OSoSmomo	OSoSomoO	om	
omo	omo		
bc	bc	bcbbc	bcebc
cs	cmom	cf, of	
co	co	o	o
bmob	bcbbmo	bm	bmcmo
bc	bc	bc	prbc
bcpbc	bc	bbcepo	cbcepbc
bc	bcbbmo	cicmo	eqmo
cbfmo	bbcmo	cfido	ifmo
somomo	ommo	om	omo
OSomo	omo	cmobcmcmo	
O	o	e	c
fSoSocmo	omom	omcmxcmcmx	
osc	como S	cmbc	bco
omoSS	comoS	emc	cz
shsomisomoSoSoomo	omomombmbc		
isomf	cf	cfofom	fmgo
OSoSoc	omo	omo	omo
doo coz	ocz	cz	cSb
prbc	cloc	e	co
bc	bcc	c	cprr
oc	co		co
cffmo	cisomo	cmo	cz
socmbc	bcmcmcbcc		cbcc
cmorsrs	crSo	cmgsgcmgsgpg	
pr	pr	cq	c
b	c	bc	c
bxbbc	ccmo	emigmo	iddgm
bc	bc		bc
pr	pr	cprbcb	pr
b	bc	rc	r

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

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light S.E. or E. wind; clear intervals; snow showers near coast; frost continuing, severe at night.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Moderate S.E. wind, fresh on coasts, decreasing; cloudy; occasional slight rain, sleet or snow locally; frost in east of area; milder in west.
9 N. Midlands ... 10 N.E. England	Moderate S.E. wind, fresh on coasts, decreasing; cloudy; light snow locally; frost continuing, severe at night.
11 S.E. Scotland	Moderate S.E. wind, fresh on coasts, decreasing; clear intervals; snow showers near coast; frost continuing, severe at night.
12 S.W. Scotland & Isle of Man 13A W. Scotland ...	As 14-16
13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh S.E. wind, strong to gale on coasts, decreasing later; cloudy; some snow; very cold.
16 Orkneys and Shetlands	Fresh S.E. wind, strong to gale on coasts, decreasing slowly; cloudy; occasional slight snow; very cold.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 14-16
	Moderate or fresh S. wind decreasing; cloudy; occasional rain; snow locally later in N.E.; average temperature.

GENERAL INFERENCE

A large anticyclone over Scandinavia is spreading a little west. Very cold weather will continue over most of Great Britain. There will be clear intervals in the East and Midlands but in the West and N.W. there will be some light snowfall.

FURTHER OUTLOOK

Very cold weather continuing for several days over Great Britain, excepting the Southwest. * Gale warnings in operation in districts 6, 7, 8, 12, 13B; 15, 16, 17, 18. Times of issue 1935 on 20/1/42, 0630 on 21/1/42.

Forecasts issued at 1030 G.M.T.

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

7h. Wednesday 21st. January 1942

10° 5°W. 0° 5°E.

60° 55° 50°

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

Low

HIGH

STATION MODEL

High Cloud

Medium cloud

Temperature °F

Present weather

Visibility

Dew Point °F

Low cloud

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in $\frac{1}{10}$ mbs.

Bar. tendency

Weather in past hour

Past weather

Amount of Low cloud

Height of Low cloud

48 8 44 4/5 17·7 26

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

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 21st January

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Wednesday 21st January 1942 — No. 22280

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

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	*	*	*	*	*	33	*	*	*	*	*	*	*	*	*
	Croydon ...	217	23.4	-6	S	2		19	87	17	4	-	-	-	0	0	-
	S. Farnborough	226	23.4	+16				26	85	23	5	-	-	-	10	10	2800
	Boscombe Down	417	22.5	+2		3		26	92	24	4	-	-	-	10	10	1300
	Thorney Island	10	22.3	0		2		28	85	25	5	-	-	-	10	10	2400
	Lympne ...	346	24.1	+4		2		19	92	18	4	-	-	-	0	0	-
	Manston ...	154	23.9	+4		2		24	85	21	4	-	-	-	0	0	-
2	Shoeburyness ...	11															
	Felixstowe ...	15	24.1	+2		2		28	85	25	5	-	-	-	10	10	2400
	Gorleston ...	5	25.5	+2		3		26	97	24	6	-	-	-	10	10	1500
	Mildenhall ...	19	24.5	+2		2		19	92	18	5	-	-	-	0	0	-
	Cranwell ...	240	24.5	+6		2		20	97	20	5	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	22.8	+6		2		24	97	23	4	-	2	-	10	10	2300
4	Ross-on-Wye	223	*	*	*	*		*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17.8	-6		4		35	85	32	7	4	-	-	2-3	2-3	2500
	Bristol ...	209	22.1	+2		2		27	97	26	2	5	-	-	10	10	7000
	Portland Bill ...	32	20.8	+4		4		37	85	34	7	5	-	-	10	10	2500
	Plymouth ...	82	19.7	-2		3		37	97	37	4	-	-	-	0	0	-
	The Lizard ...	240	18.2	-8		3		45	75	38	8	8	-	-	4-6	4-6	1500
	Scilly (St.Mary's)	163	17.4	-10		4		46	92	44	8	5	-	-	9	9	1500
	Guernsey ...	175															
6	Pembroke ...	142	17.3	-8		6		40	97	40	5	5	-	-	10	10	2500
7	Holyhead ...	26	17.0	-2		3		40	85	36	5	5	-	-	10	10	3400
	Chester(Sealand)	16	21.2	+4		3		26	92	22	5	5	-	-	10	10	1200
8	Manchester ...	235	22.7	+4		3		28	85	20	4	5	-	-	7-8	7-8	2500
10	Spurn Head ...	29	24.6	+2		3		28	97	28	7	5	-	-	9+	9+	2500
	Catterick ...	175	24.1	+6		3		21	92	20	4	5	-	-	7-8	7-8	1600
	Tynemouth ...	108	23.5	+6		4		27	92	25	6	2	-	-	2-3	2-3	1500
11	St. Abbs Head	280	19.3	+8		5		25	97	21	5	5	4	-	4-6	4-6	1500
	Leuchars ...	36	20.6	+10		1		31	92	28	4	5	-	-	10	10	4000
12	Renfrew (Abbotsl.)	19	18.8	+2		2		30	85	26	4	5	-	-	10	10	1500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	18.2	+2		7		33	92	32	6	6	2	-	7-8	10	1500
13A	Tiree	22	19.6	-8		7		41	92	39	6	5	-	-	9+	9+	1500
13B	Stornoway ...	80	19.7	-4		8		43	92	41	7	5	7	-	7-8	9+	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	33	*	*	*	*	*	*	*	*	*
	Wick ...	119	17.4	+10		6		36	85	32	7	5	-	-	9+	9+	1200
16	Sumburgh ..	30	21.3	+14		7		37	85	33	6	5	-	-	10	10	1000
17	Blacksod Point	18	25.7	-8		7		50	85	48	7	9	-	-	10	10	1500
18	Malin Head ...	84	28.1	-12		6		44	92	39	6	8	-	-	4-6	4-6	800
	Aldergrove ...	268	14.7	-6		4		37	97	37	6	5	-	-	10	10	500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	28.7	-18		5		49	85	45	8	2	-	-	2-3	2-3	2500
	Roches Point	22	12.7	-10		6		48	92	46	8	3	-	-	7-8	7-8	1500

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

Barom. at M.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	-6	E'N	2		20	92	19	3	-	-	-					
23.3	0	SSE	2		19	92	16	4	-	-	-	0	0	-	8	*
23.3	+2	E	2		23	85	20	5	4	-	-	10	10	3000	8	*
22.6	-2	ESE	4		25	85	22	6	5	-	-	10	10	1600	8	*
22.2	-2	NE	3		28	85	25	6	5	-	-	10	10	3200	8	**
24.1	-2	E	2		18	85	18	4	2	-	-	Tr	Tr	2500	8	* 3
23.6	-4	E	3		25	92	22	4	5	-	-	10	10	1800	8	*
23.8	-2	E	3		27	85	23	5	6	-	-	9+	9+	2900	5	*
23.3	-6	E	3		26	75	17	5	5	-	-	10	10	2000	3	
25.5	0	SE	3		26	85	22	6	5	3	-	10	10	1500	3	4
24.4	-2	E	2		20	85	17	5	6	-	-	7-8	7-8	4000	3	*
24.5	+2	SE	2		22	92	19	5	5	-	-	10	10	2500	8	*
22.6	-2	SE	3		23	85	20	4	5	-	-	10	10	800	8	*
22.6	+2	E	3		23	97	22	4	-	2	-	10	10	400	8	*
21.3	-6		0		27	92	25	5	5	-	-	10	10	800	8	*
16.5	-12	SE	4		36	85	30	7	5	-	-	4-6	4-6	2500	1	4
21.0	-6	E	1		29	92	28	3	5	-	-	10	10	800	8	*
20.5	-2	SE	4		28	85	25	7	5	-	-	10	10	2500	1	4
18.2	-10	ESE	3		33	92	27	5	5	-	-	9	9	2000	1	3
16.6	-10	SSE	5		46	85	40	8	8	-	-	4-6	4-6	1500	1	4
14.7	-14	SW	4		46	92	44	7	5	-	-	4-6	4-6	1500	1	3
17.1	-2	SE'E	7		41	92	38	6	8	-	-	10	10	2500	1	3
15.8	-6	SE	5		40	85	35	6	6	-	-	10	10	3500	1	3
20.6	-2	SE	3		26	97	24	6	5	-	-	10	10	1100	8	*
22.2	-2	SE	3		26	85	22	5	5	-	-	10	10	2000	8	*
24.7	0	SE	4		28	*	*	7	5	2	-	7-8	10	2500	0	3
24.1	+2	SSE	1		15	97	15	4	5	-	-	10	10	1500	8	*
23.4	0	S	4		26	92	23	6	5	-	-	10	10	1500	1	4
19.7	+6	S	6		26	92	24	6	5	-	-	10	10	1500	4	4
21.0	+2	SE	3		28	85	25	5	5	-	-	4-6	4-6	1500	8	*
18.8	+2	E	2		29	92	27	4	5	-	-	10	10	1200	8	*
16.2	0	E	3		23	85	20	6	5	-	-	10	10	4000	8	*
17.0	-6	SE	7		31	97	31	6	6	2	-	9	10	1000	7	5
08.6	-2	SE	7		39	92	36	6	5	-	-	10	10	1500	0	6
08.8	-4	SSE	8		43	87	43	6	5	2	-	9	10	1500	1	5
16.0	-4	SE	7		24	85	21	6	5	-	-	7-8	9+	1500	8	*
21.5	+4	SE	5		34	75	27	6	6	2	-	4-6	10	1200	7	4
18.0	+4	SE	7		35	75	29	6	5	-	-	9+	9+	1200	4	*
21.9	+6	S	7		37	75	30	8	8	-	-	9	9	2000	1	6
03.8	-2	SE	7		51	76	43	7	9	-	-	9+	9+	1500	0	6
28.8	+2	SSE	5		43	42	42	6	5	-	-	7-8	7-8	1500	0	4
13.1	-6	SE'E	4		39	87	38	6	5	-	-	10	10	500	1	*
09.7	-6	ENE	4		46	92	44	8	5	-	-	4-6	4-6	2500	1	
06.4	-10	S	6		50	85	45	8	3	-	-	7-8	7-8	1500	1	5
10.1	-10	S	6		49	92	47	7	2	-	-	4-6	9	1500	1	7

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine Hrs. (38)
28	19	3	-	Tr	0.6
28	18	15	-	-	0.0
28	22	22	0.6	-	0.0
27	24	24	Tr	-	0.0
28	27	27	3	-	*
28	17	12	-	-	0.0
28	23	17	-	-	0.0
30	23	23	-	-	0.0
30	25	24	-	-	0.0
29	25	24	-	-	*
30	16	11	-	Tr	0.6
28	16	7	0.2	-	0.0
25	23	23	0.3	-	0.0
30	23	23	1	-	*
27	25	24	-	-	0.0
46	34	33	-	-	6.7
30	25	27	0.5	-	0.0
42	33	*	7	-	*
48	35	31	-	-	7.1
49	42	*	-	0.5	7.2
52	43	*	1	0.3	5.4
40	35	*	-	1	7.0
41	33	32	-	Tr	*
26	25	27	Tr	*	0.0
27	23	21	3	-	*
31	27	*	-	-	0.0
27	15	17	4	-	0.0
28	26		0.4	-	*
27	24	*	0.1	-	*
31	26	21	1	-	0.0
32	28	28	Tr	1	0.0
26	21	17	0.6	-	0.0
34	31	*	Tr	Tr	0.0
47	39	*	0.3	-	3.8
44	42	*	-	4	3.4
32	24	24	-	-	1.1
33	31	31	1	Tr	0.0
40	34	33	Tr	-	*
39	35	34	12	3	0.0
50	48	*	3	0.1	*
45	38	*	-	2	0.0
42	37	35	-	0.8	2.0
47	42	40	-	-	5.3
51	49	46	1	1	1.6
51	*	*	-	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 20th January — IIiC$_L$C$_M$	wwVhN$_h$	DDFWN	18h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 21st January — C$_L$C$_M$	wwVhN$_h$	DDFWN	07h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN
109 8-	22647	16367	5-	02744	14424	5-	02745	47625	5-	02744	47724
115 84	02844	20425	54	01854	18224	54	01844	12425	57	02844	14427
203 80	01834	15524	57	02844	16525	5-	03948	16528	5-	03838	16528
206 53	00752	00013	53	01661	22113	00	00730	22200	5-	02858	45408
210 53	01863	16414	44	05652	12113	00	00730	12400	50	24653	45673
220 53	01954	13314	53	02854	14416						
230 -			53	05644	12215	5-	85643	14688	5-	78648	14378
245 02	23548	23178	02	23448	24178	02	05568	49528	02	05548	49578
260 5-	08448	00078	5-	08448	00028	00	05590	10210	5-	05568	10108
278 02	05638	13478	02	61638	11468	5-	05638	44678	02	74328	44678
279 02	05548	06128	02	05548	06128	50	05553	00013	5-	05548	08328
285 02	71638	08378	02	71538	10478				5-	05638	08428
288 57	02755	16378	5-	05658	15228	00	41490	14140	50	08482	00042
575 70	01863	10113				5-	02758	12428	5-	02748	45428
301 02	05548	12428	5-	05544	12424	00	05590	12400	5-	05648	12528
321 02	71658	12278	02	05648	12278	00	05590	11120	57	05555	13228
299			8-	05648	16328	5-	02748	14328	5-	02746	12426
292 5-	25548	12278	5-	05548	12228	5-	05556	13226	50	08453	11113
310											
614 02	08448	12128	02	08438	10128	00	47390	08140	5-	45358	00048

13h. G.M.T. 20th January — IIiC$_L$C$_M$	wwVhN$_h$	DDFWN	18h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 21st January — C$_L$C$_M$	wwVhN$_h$	DDFWN	07h. G.M.T. C$_L$C$_M$	wwVhN$_h$	DDFWN
333 50	00762	10102	5-	61657	00017	21	81764	45568	57	02754	45566
334 --	02446	02217	--	13337	04228						
340 5-	08438	12428	5-	08448	14428	5-	45348	14348	5-	45348	12448
136 57	05644	12427	54	05654	11324	50	05643	08213	5-	05657	24523
336			--	48403	08349				--	46203	08443
350 5-	72658	10378	5-	05558	10228	00	08490	08200	5x	05564	08214
368			5-	45238	08348	5-	45338	10348	5-	45338	09348
379						5-	45338	08348	5-	45338	08348
390 53	05665	10348	07	08490	10228	00	47390	08200	5-	45357	08147
382 02	23648	08278	02	08458	00028	5-	08458	00028	5-	45258	12348
438 80	02537	08327							50	01454	02314
430 02	72538	04278				5-	08458	04228	5-	05567	06227
409 50	01853	31313	50	00851	00012	00	05590	08400	50	05653	11503

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C$_L$C$_M$ = Form of low and medium cloud See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

For the 24 hours ending morning of 21st January.
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 ...	cm.oz.	02.	bmxfx	Kew 24 hours ended 7h. Max. Time
Croydon ...	cmo	cmo	cbxm	
Greenwich ...	cmo	cmo	cbmxf	
Camden Square ...	bc	0		Min. Time
Kensington ...	pzcz	0		
Hampstead ...	bcx	oxm	oxm	

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 9h % Yesterday	Humidity 9h % To-day
Kew	28	19	3	-	Tr	0.0	*	*
Croydon ...	28	18	15	-	-	0.0	*	*
Greenwich ...	28	15	7	-	-	0.0	87	97
Westminster ..	34	24	24	-	-		95	87
Regents Park ...	28	19	9	-	-		*	*
Camden Square	35	18	10	-	-	*	*	*
Kensington ..	30	17	10	-	-		78	92
Hampstead ..	26	17	14	-	-		*	90

Page 1 BRITISH SECTION

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

SECRET

Thursday 22nd January 1942

No. 29281.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Med. (11)	High (12)	Amount Low 0–10 (13)	Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	23·8	+4	E'N	2	zo	28	75	20	5	–	3	–	0	9+	–
	Croydon	23·9	−4	E	2	zo	27	85	21	5	–	3	–	0	9+	–
	S. Farnborough	23·8	−8	E'N	2	m	26	85	21	4	5	–	–	10	10	3300
	Boscombe Down	22·8	−2	E'S	3	zo	26	75	19	6	5	–	–	10	10	2000
	Thorney Island	22·8	−6	E	3	zo	28	85	23	5	5	–	–	10	10	2500
	Lympne	24·5	−2	ESE	2	SoSo	23	92	21	5	5	–	–	10	10	1500
	Manston	24·5	+2	ENE	2	Sh	26	92	24	6	5	–	–	10	10	1500
2	Shoeburyness	24·4	0	ENE	3	sh	27	75	20	6	5	–	–	10	10	2500
	Felixstowe	24·7	−6	E'N	3	iso	26	75	18	6	5	–	–	10	10	2500
	Gorleston	26·1	+4	E	3	zo	26	92	23	6	5	–	–	10	10	2000
	Mildenhall	24·9	−2	E'N	3	zo	26	75	19	6	5	5	–	4-6	9	4000
	Cranwell	25·0	−2	SE	3	zo	24	85	19	6	5	7	–	7-8	10	6000
3	Birmingham	23·0	−2	ESE	3	zo	23	85	18	5	5	–	–	10	10	800
	Upper Heyford	22·3	0	ESE	3	zo	24	92	22	5	–	2	–	10	10	2000
4	Ross-on-Wye	22·0	0	ESE	2	zo	27	85	24	5	5	–	–	10	10	800
5	Hartland Point	17·3	+6	ESE	4	c	41	85	37	7	5	2	–	4-6	9	2000
	Bristol	21·6	−4	ESE	4	zo	29	92	28	5	5	2	–	9+	10	1000
	Portland Bill	20·5	+4	SE	4	o	37	85	35	7	5	–	–	10	10	2500
	Plymouth	19·0	+2	SSE	4	iro	42	92	40	6	5	–	–	10	10	800
	The Lizard	17·6	+4	SSE	5	c/pr	45	92	43	8	8	6	–	7-8	7-8	1500
	Scilly (St. Mary's)	14·2	+6	S'E	5	cjp	48	85	45	7	8	7	–	7-8	10	1200
	Guernsey															
6	Pembroke	16·7	−2	SE	7	zo	43	92	41	6	8	1	–	4-6	10	2000
7	Holyhead	16·6	+4	SE	5	ido	42	75	34	6	5	–	–	10	10	1000
	Chester (Sealand)	21·2	+4	SE	3	mo	27	92	25	4	5	–	–	10	10	1100
8	Manchester	22·7	0	SE'E	3	zo	27	75	20	5	–	2	–	10	10	2000
10	Spurn Head	25·5	0	SE'E	5	sh	28	*	*	7	5	–	–	10	10	2500
	Catterick	25·1	−4	SE	2	m	23	85	18	4	5	–	–	10	10	2200
	Tynemouth	24·1	−2	SSW	4	m	28	92	26	4	5	–	–	10	10	1200
11	St. Abbs Head	21·0	0	S	7	zo	27	85	20	6	5	2	–	7-8	10	2000
	Leuchars	22·0	−4	SE	4	SoSo	30	92	29	6	5	–	–	10	10	1000
12	Renfrew (Abbots I.)	19·8	0	ESE	4	SoSo	29	92	28	3	–	2	–	10	10	700
	Eskdalemuir	21·6	−2	SE'E	3	SoSo	24	85	19	6	–	2	–	10	10	200
	Point of Ayre	17·6	−6	S'E	8	SoSo	32	92	31	5	6	2	–	9	10	800
13A	Tiree	10·4	0	S'E	7	o	38	92	36	6	5	–	–	10	10	1200
13B	Stornoway	10·2	+8	SSE	8	c/pr	43	92	41	7	5	7	–	7-8	10	1500
15	Dalwhinnie	18·1	0	SE	7	iSo	25	85	22	6	5	2	–	4-6	10	1500
	Aberdeen	22·6	0	SSE	5	iSo	34	92	31	3	6	2	–	7-8	10	1200
	Wick	18·8	−6	SE'S	8	c	36	75	29	7	5	7	–	9+	10	2000
16	Sumburgh	22·9	−4	SSE	7	ps	34	85	30	7	9	–	–	9+	9+	1800
17	Blacksod Point	08·7	+38	WNW	5	rr	46	92	44	7	6	–	–	10	10	1500
18	Malin Head	09·5	+4	SSE	5	c	45	92	43	6	9	–	–	9	9	800
	Aldergrove	13·8	−2	SE'S	4	c/d	41	92	39	6	6	2	–	9	10	500
19	Birr Castle	10·4	+2	SW	3	c	48	85	43	8	5	1	–	9	10	2500
20	Valentia Obsy.	09·7	+26	N'W	3	RR	45	92	43	6	6	2	–	4-6	10	800
	Roches Point	11·5	+6	S	6	c	49	85	44	8	5	7	–	2-3	9+	1500

OBSERVATIONS at 18h. G.M.T. 21st January — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Med. (26)	High (27)	Amount Low 0–10 (28)	Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)	Weather 7h.–13h. 21st (39)	13h.–18h. 21st (40)	18h. 21st to 1h. 22nd (41)	1h.–7h. 22nd (42)
London (Kew)	24·6	+12	ENE	2	zo	26	75	19	5	5	–	–	10	10	2500	8	*	bgcczo	czox	czx	cmox
Croydon	24·3	+10	ENE	3	zo	25	97	23	5	5	–	–	4-6	10	1500	8	*	bmczo	cmo	cmombm	bmo
S. Farnborough	24·4	+4	–	0	m	22	75	14	4	–	–	–	0	0	–	8	*	omme	cmobczbz	bzbczb	bcmzc
Boscombe Down	23·4	+12	E'S	4	m	25	85	22	4	5	–	–	10	10	1000	9	*	omo	omoc	bcmbm	bcm
Thorney Island	23·6	+12	E	3	zo	26	85	21	5	5	–	–	10	10	2500	8	*	omo	omo	ombm	bm
Lympne	24·7	+8	NE	1	zo	23	85	18	6	5	–	–	9+	9+	1200	8	3	bmcmSo	cmoSm	cmbcm	cm
Manston	25·0	+8	NE'E	3	zo	23	92	22	6	5	3	–	9	9+	2300	8	*		cmSh	cmbcm	bccmcm
Shoeburyness	24·8	+6	ENE	3	c	26	75	20	6	5	–	–	10	10	1800	3	*	misc	shmc	cmo	cmo
Felixstowe	25·6	+10	E'S	3	zo	26	65	16	5	5	–	–	9+	9+	2200	3	2	ciSomo	ciSmcm	cmo	bccmc
Gorleston	26·5	+6	SE'E	4	zo	25	97	24	6	5	–	–	7-8	7-8	1500	3	5	czo	czo	cmo	bbcmx
Mildenhall	26·1	+14	E'S	2	zo	24	85	20	6	5	–	–	10	10	2300	3	*	cmxczo	czo	cm	czbmx
Cranwell	25·8	+12	ESE	3	zo	19	92	18	5	5	3	–	1	2-3	2500	8	*	cm	cmo, bmo	cbcm	cbm
Birmingham	24·1	+8	ESE	3	fg	24	85	19	4	5	–	–	10	10	800	9	*	oz	ozm		omc
Upper Heyford	24·3	+10	E'N	3	m	22	92	18	4	5	–	–	4-6	4-6	2200	8	*	omomo	omcbcm	bcm	bcmc
Ross-on-Wye	22·9	+8	E	3	zo	27	85	23	5	5	–	–	10	10	800	8	*	oz	oz	oz	oz
Hartland Point	18·0	+8	ESE	4	c	37	75	32	7	5	2	–	4-6	9	1500	1	3	bcc	c	c	co
Bristol	22·8	+12	SE	3	m	28	92	26	4	5	–	–	10	10	1000	8	*	cfmo	omom	cmbcm	cm
Portland Bill	20·8	+6	SE	4	c	37	85	34	7	5	2	–	7-8	10	2500	1	5	o	oc	o	[illegible]
Plymouth	19·8	+8	SE	5	zo	38	92	35	6	5	–	–	9	9	2500	1	3	cmocrom	cirocm	cmo, cm	bcmc
The Lizard	17·9	+6	SE	6	c	43	85	38	7	8	2	–	7-8	10	1500	1	5	cproc	c	cror	o
Scilly (St. Mary's)	15·6	+20	S'E	5	ido	45	97	44	6	6	2	–	7-8	10	800	1	4	bcc	cir	ciro	c
Guernsey																					
Pembroke	17·8	+12	SE	7	zo	42	85	36	6	8	–	–	10	10	2000	1	5	irocqm	cqmo	cprqm	cqmr
Holyhead	17·6	+14	S'E	6	c/r	40	75	34	6	5	2	–	9	10	1000	1	5	idmh	ciro	cshm	SSSf
Chester (Sealand)	22·4	+12	SE	3	zo	26	97	25	5	5	–	–	10	10	1800	9	*	omom	ommoc	ommSS	omSoSo
Manchester	23·8	+10	E'S	2	o/s	25	85	21	5	–	2	–	10	10	2500	8	*	oiSo	omsmS	omSoS	cmSSo
Spurn Head	25·6	+2	SE'S	5	o	28	97	27	7	8	–	–	10	10	1500	0	4	oiS	o	o	c
Catterick	25·0	+8	SSE	3	m	24	85	20	4	5	1	–	4-6	10	800	8	*	cmxcm	cmfmx	SoSom	SoSoiSo
Tynemouth	24·9	+6	S	5	zo	28	92	26	5	6	–	–	10	10	1200	8	4	om	omo	oSoSoo	oiSo
St. Abbs Head	21·7	+6	S	7	SoSo	24	92	21	4	5	–	–	10	10	800	4	4	cm	comS	omSSo	omSS
Leuchars	23·1	+10	SE	3	SS	28	97	27	4	–	2	–	10	10	1000	8	*	ccisomo	SoSomSSm	SSSSm	SSmShm
Renfrew (Abbots I.)	20·3	+6	E'N	3	SoSo	28	97	28	3	5	–	–	10	10	700	*	*	SoSoSf	SSSoSS	ofSS	
Eskdalemuir	22·9	+12	SE'E	3	SoSo	23	85	18	4	–	2	–	10	10	100	9	*	oShSoSo	cSSSo	oSS	oSSo
Point of Ayre	18·4	+6	S'E	7	SS	32	97	32	5	6	2	–	9+	10	1000	7	5	SoSo	SS		
Tiree	10·6	+2	S'E	7	rr	38	97	38	6	–	2	–	10	10	1200	1	6	o	orr	orr	orrc
Stornoway	11·0	+4	SSE	8	rr	42	97	41	7	8	7	–	7-8	10	1900	1	5	cpr	crr	crr	crr
Dalwhinnie	19·4	+10	SE	7	K/So	24	85	21	4	5	–	–	10	10	1500	8	*	oiSo	oKSo		orS
Aberdeen	23·6	+6	S'E	6	SS	32	85	28	4	6	2	–	7-8	10	1100	7	4	ciSo	ciSSS	cSS	cSS
Wick	19·2	+4	SSE	8	SoSo	34	75	28	4	5	2	–	9	10	1600	4	*	c	psoSS	omSh	ShSS
Sumburgh	23·4	+6	SSE	7	phr	35	75	29	7	8	2	–	9+	10	1100	1	6	cpSo	cpSoph	cpSc	cpSc
Blacksod Point	13·1	+26	W'N	2	roro	43	85	38	7	6	–	–	10	10	1500	2	2	r	r	bc	c
Malin Head	10·6	+12	S'E	5	iro	44	92	42	5	3	–	–	9+	9+	800	0	4	c	c	r	c
Aldergrove	14·9	+6	SE'S	4	c/r	43	97	41	6	5	2	–	9	10	1200	1	*	drddmo	idmoirm	cmcrrm	rridd
Birr Castle	12·1	+6	S	3	c	47	85	42	8	5	–	–	7-8	7-8	2500	1		bc	bc	*	pr
Valentia Obsy.	14·0	+26	N'E	2	roro	43	92	41	8	6	2	–	9+	10	1500	1	3	pr	r	r	bc
Roches Point	13·0	+14	S'E	6	c/r	49	92	47	8	6	1	–	7-8	9+	1500	1	*	r	cr	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 22nd Jan. 1942.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Light or moderate S.E. wind, freshening; cloudy and clear intervals; slight snow locally; frost continuing.
4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales	Moderate or fresh S. wind becoming strong to gale on coasts; dull; some snow; heavy locally; very cold but chance of thaw later.
8 N.W. England; 9 N. Midlands; 10 N.E. England	Moderate or fresh S. wind strong to gale on coasts; dull; some snow; cold.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man	Fresh South wind, strong to gale on coasts, veering and decreasing; dull; some snow; cold, but slow thaw later.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland	Wind South, strong, reaching gale on coasts, veering and decreasing; some rain; milder.
15 N.E. Scotland	As 11-13A
16 Orkneys and Shetlands	As 11-13A.
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, veering and decreasing; some rain; rather mild.

GENERAL INFERENCE

The Scandinavian anticyclone is decreasing in intensity and moving S.W. and a deep depression off S.W. Iceland is moving E.N.E. A trough of low pressure extending from N. Scotland to the Scilly Isles is moving slowly east. There will be further snowfall in the North and West of Great Britain and locally in the Midlands. It will continue very cold in the East and Midlands but temperatures will rise slowly in the West and North.

FURTHER OUTLOOK

Continuing cold in the S.E. and Midlands. Some snow in the Midlands. Probably a temporary thaw in the West and North of Great Britain. Gale warning in operation districts 13A & B, 14, 15, 16, 17, 18. Times of issue 2330 on 18/1/42; 0630 on 21/1/42 and 0820 on 22/1/42.

Forecasts issued at 1030 G.M.T.

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

7h Thursday 22nd January 1942

10° 5°W. 0° 5°E. 10°

60° 55° 50°

LOW

HIGH

LOW

1010 1012 1014 1016 1018 1020 1022 1024 1026 1028 1030 1032

STATION MODEL

High Cloud

Medium cloud

Temperature °F

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

Height of Low cloud

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Bar. tendency

Weather in past hour

Past weather

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

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 22nd January.

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Thursday 22nd January 1942 — No. 29,281

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

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	*	*	*	*	*	*	*	*	*
	Croydon ...	217	26.0	+4	SE	1		20	85	17	6	-	-	-	0	0	-
	S. Farnborough	226	26.3	+4	E'S	1		21	86	17	6	5	1	-	2-3	4-6	2000
	Boscombe Down	417	25.3	+4	E	3		19	97	18	4	-	3	-	0	4-6	-
	Thorney Island	10	25.3	+2	ENE	2		23	85	18	5	5	-	-	2-3	2-3	2500
	Lympne ...	346	26.1	+4	E	3		19	85	18	4		-	-	2-3	2-3	1500
	Manston ...	154	26.8	+6	E	4		22	92	21	4	5	1	-	4-6	4-6	1800
2	Shoeburyness ...	11															
	Felixstowe ...	15	27.3	+6	E	4		25	78	17	6	5	-	-	4-6	4-6	2400
	Gorleston ...	5	28.5	+10	SE'E	5		25	85	21	6	8	-	-	7-8	7-8	2500
	Mildenhall ...	19	27.2	+2	ESE	3		24	65	16	6	5	-	-	3+	3+	2500
	Cranwell ...	240	27.7	+6	SE	3		22	92	17	5	6	1	-	7-8	7-8	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	26.3	+4	E	3		19	92	17	4	5	-	-	4-6	4-6	2300
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	29.7	+6	SE	3		35	85	29	7	5	2	-	7-8	10	1500
	Bristol ...	209	28.1	+6	ESE	4		23	92	21	4	5	1	-	3+	3+	3500
	Portland Bill ...	32	28.3	+12	E	4		33	85	28	7	5	-	-	10	10	2500
	Plymouth ...	82	22.3	+8	SSE	3		37	85	33	6	5	-	-	4-6	4-6	2500
	The Lizard ...	240	20.6	+8	SE	5		41	85	36	7	8	2	-	8	10	1500
	Scilly (St.Mary's)	163	18.6	+8	S'E	5		44	92	42	7	6	2	-	7-8	10	1000
	Guernsey ...	175															
6	Pembroke ...	142	20.3	+6	SE'S	6		40	85	38	6	8	2	-	7-8	10	2500
7	Holyhead ...	26	19.3	+6	SE'S	7		36	85	33	6	5	-	-	10	10	3000
	Chester(Sealand)	16	24.1	+6	SE	4		24	97	22	4	5	-	-	10	10	1800
8	Manchester ...	235	26.0	+10	ESE	4		22	85	18	5	-	2	-	10	10	1800
10	Spurn Head ...	29	28.9	0	SE'S	5		28	97	28	7	8	-	-	10	10	2500
	Catterick ...	175	26.8	0	SSE	3		22	92	20	4	5	-	-	10	10	1000
	Tynemouth ...	108	25.7	+2	S	5		26	92	23	6	5	-	-	10	10	1500
11	St. Abbs Head	280	21.9	-2	S	8		24	85	19	5	5	-	-	10	10	800
	Leuchars ...	36	23.4	-2	SE	1		26	97	26	4	-	2	-	10	10	800
12	Renfrew (Abbotsl.)	19	21.0	+2	E	3		27	97	26	3	5	-	-	10	10	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30															
13A	Tiree	22	13.8	+12	S	5		38	87	38	6	-	2	-	10	10	1200
13B	Stornoway ...	80	13.8	+10	S	6		40	97	40	7	8	7	-	7-8	10	1600
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	119	19.6	0	S	8		32	97	31	4	-	-	-	10	10	4150
16	Sumburgh ..	30	22.8	-6	SSE	8		35	85	30	7	8	-	-	10	10	1200
17	Blacksod Point	18	16.2	+8	W'N	1		39	75	33	8	4	-	-	1	1	4000
18	Malin Head ...	84	14.7	+10	-	0		41	97	40	6	3	-	-	9	9	800
	Aldergrove ...	268	15.6	+4	S'E	4		42	97	41	6	6	-	-	10	10	800
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	18.2	+14	NE	3		43	75	37	8	5	-	-	1	1	2500
	Roches Point	22	16.4	+10	NW	4		44	92	42	8	6	2	-	7-8	10	800

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

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)	28.0	+6	ESE	2		21	85	16	5	5	-	-	10	10	2500	8	*
Croydon ...	27.9	+10	S	2		18	92	16	6	-	-	-	0	0	-	8	*
S. Farnborough	27.8	+6	ESE	2		20	85	15	6	6	-	-	9	9	4000	8	*
Boscombe Down	26.6	+4	E	4		18	97	16	6	-	2	-	9	9	-	9	*
Thorney Island	26.5	+4	NNE	2		21	85	17	5	5	-	-	2-3	2-3	2500	8	*
Lympne ...	27.7	+8	E	3		21	85	17	4	6	-	-	10	10	1400	8	$4
Manston ...	28.2	+6	E'N	3		22	85	16	5	5	-	-	9+	9+	2000	8	*
Shoeburyness ...	27.8	+6	E	3		25	78	18	6	5	-	-	9	9	1800	3	*
Felixstowe ...	28.0	+2	ESE	4		26	85	19	7	6	-	-	9	9	2500	3	4
Gorleston ...	28.9	+2	SE	5		25	85	23	7	8	-	8	4-6	4-6	2000	3	5
Mildenhall ...	28.6	+2	ENE	2		17	92	16	5	5	-	-	1	1	4000	3	*
Cranwell ...	28.3	+2	SE	4		21	92	17	6	-	7	-	0	7-8	-	8	*
Birmingham ...	27.0	0	SE	3		21	85	18	4	6	-	-	9	9	1500	9	*
Upper Heyford	27.1	+2	E	3		20	92	18	4	5	-	-	10	10	2000	8	*
Ross-on-Wye	25.6	0	E	4		23	78	18	6	5	-	-	7-8	7-8	1500	8	*
Hartland Point	21.6	+2	SE	8		33	85	29	7	5	-	-	10	10	800		4
Bristol ...	27.0	+14	ESE	3		23	85	20	4	5	1	-	7-8	10	4000	8	*
Portland Bill ...	28.7	+4	E	4		34	85	31	7	5	2	-	7-8	10	2500	1	5
Plymouth ...	23.2	+6	SE	3		37	85	33	7	5	-	-	3+	3+	2000	0	3
The Lizard ...	21.4	+6	SE	5		38	78	32	7	5	-	-	10	10	1500	1	
Scilly (St.Mary's)	19.8	+4	S'E	5		43	85	39	6	6	2	-	7-8	10	1000		
Guernsey ...																	
Pembroke ...	20.7	-2	SE	7		37	97	37	6	8	2	-	7-8	10	2500	1	5
Holyhead ...	20.3	+8	SE	4		32	97	32	3	-	2	-	10	10	800	7	4
Chester(Sealand)	24.5	+2	SE	4		28	92	24	5	-	-	-	10	10	2300	9	*
Manchester ...	26.3	+2	ESE	4		24	85	21	5	5	-	-	10	10	2500	9	*
Spurn Head ...	27.9	+8	SE'S	5		28	97	28	7	8	-	-	9	9	2500	6	4
Catterick ...	26.8	-2	SSE	4		23	92	21	4	5	-	-	10	10	1000	8	*
Tynemouth ...	25.8	-2	S	6		24	92	21	6	5	-	-	10	10	1500	8	4
St. Abbs Head	21.6	-6	S	8		28	97	22	4	5	-	-	10	10	800	4	4
Leuchars ...	22.0	-10	SE	1		26	97	25	5	-	2	-	10	10	1200	8	*
Renfrew (Abbotsl.)	21.0	-2	E	2		27	97	27	3	5	-	-	10	10	700	9	*
Eskdalemuir ...	23.3	-2	SSE	3		21	92	21	4	-	2	-	10	10	100	9	*
Point of Ayre...																	
Tiree	14.0	+2	SSE	4		38	97	27	7	5	-	-	9+	9+	1500	0	5
Stornoway ...	14.0	0	SSW	6		39	97	29	7	5	7	-	7-8	9+	1500	1	4
Dalwhinnie ...	19.8	0	SSE	6		24	85	21	6	5	-	-	10	10	1500	8	*
Aberdeen ...	21.5	-14	SW	5		30	92	29	4	5	-	-	10	10	300	7	4
Wick ...	17.9	-6	S	6		33	97	32	5	-	2	-	10	10	1800	7	*
Sumburgh ..	20.8	-10	SSE	7		37	85	29	7	8	-	-	10	10	1500	1	6
Blacksod Point	18.5	-8	WSW	4		42	85	37	8	-	7	-	0	10	-	9	8
Malin Head ...	15.6	+2	SSW	2		39	85	33	8	5	-	-	4-6	4-6	4000	1	3
Aldergrove ...	17.5	+10	S	1		38	97	33	7	8	7	-	4-6	10	400	1	*
Birr Castle ...	18.0	+2	S	1		36	97	33	8	6	-	-	7-8	7-8	2500	1	*
Valentia Obsy.	13.4	+2	E'N	1		37	85	33	8	5	-	-	7-8	7-8	4000	1	*
Roches Point	18.2	+6	N	4		41	85	36	8	5	-	-	4-6	4-6	1500	1	*

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 21st Hrs. (38)
London (Kew)	29	20	14	-	-	0.2
Croydon ...	29	18	16	-	-	1.6
S. Farnborough	26	18	10	-	-	0.0
Boscombe Down	26	17	17	-	-	0.0
Thorney Island	29	19	15	-	-	*
Lympne ...	25	18	17	Tr	-	0.0
Manston ...	26	21	17	Tr	-	0.0
Shoeburyness ...	28	25	23	-	-	0.0
Felixstowe ...	26	24	21	Tr	-	0.0
Gorleston ...	26	24	21	-	-	*
Mildenhall ...	26	17	12	Tr	Tr	0.0
Cranwell ...	25	18	13	-	-	0.0
Birmingham ...	25	19	19	-	-	0.0
Upper Heyford	25	16	14	-	-	*
Ross-on-Wye	28	22	20	-	-	0.0
Hartland Point	41		32	-	-	0.5
Bristol ...	29	21	22	-	-	0.0
Portland Bill ...	39	36	*	-	-	*
Plymouth ...	43	35	31	2	-	0.0
The Lizard ...	47	38	*	1	1	1.8
Scilly (St.Mary's)	49		*	2		0.0
Guernsey ...						
Pembroke ...	44	32	*	-	2	0.0
Holyhead ...	42	32	32	0.1	6	*
Chester(Sealand)	27	23	25	-	3	0.0
Manchester ...	27	21	21	0.1	0.5	
Spurn Head ...	28	27	*	-	-	0.0
Catterick ...	25	21	20	-	0.1	0.0
Tynemouth ...	28	23	21	-	0.2	*
St. Abbs Head	27	22	*	Tr	Tr	*
Leuchars ...	30	26	26	1	4	0.0
Renfrew (Abbotsl.)	*	26	26	*	13	0.0
Eskdalemuir ...	25	21	22	3	9	0.0
Point of Ayre...	33		*	0.1		
Tiree	39	37	*	0.3	4	0.0
Stornoway ...	44	38	*	3	7	0.0
Dalwhinnie ...	25	22	22	0.2	0.3	0.0
Aberdeen ...	34	28	28	0.3	3	0.0
Wick ...	36	31	32	0.5	2	*
Sumburgh ..	37	31	30	0.3	1	0.0
Blacksod Point	52	36	*	9	0.2	*
Malin Head ...	45	38		0.3	13	0.0
Aldergrove ...	42	37	37	3	9	0.0
Birr Castle ...	47	36	33	-	1	
Valentia Obsy.	50	36	31	2.6	1	
Roches Point	43		*	0.2	9	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 21st January ... 18h. G.M.T. | 01h. G.M.T. 22nd January ... 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 62	87646	45888	5-	71628	46888	5-	72438	46878	5-	72538	47678
115 57	81744	47687	57	81735	47688	52	62735	12488	52	02844	20367
203						6-	64828	16468	5-	02837	16527
206 57	07855	14528	02	23758	47578	02	72658	45478	02	02658	12228
210 57	02764	47728	02	71678	46578	5-	05658	47678	5-	05658	48578
220 62	03646	14828									
230 52	78654	10578	5-	05648	12478	02	72648	12378	5-	71648	12378
245 62	72636	49578	62	74437	15478	6-	74448	49478	6-	74448	49578
260 5-	72668	14478	5-	72448	12178	--	78309	32179	5-	72448	12278
285 5-	72428	10578	5-	72428	11678	5-	74428	43678	5-	74428	45578
279 02	72438	08378	02	72448	08478	02	72438	10478	02	74438	10478
285 5-	05638	08488	02	72538	08478						
288 5-	73648	15378	52	05645	14228	01	05630	18228	02	71658	16478
575 5-	02858	12228				5-	22856	28266	5-	01854	14114
301 5-	08438	12628	5-	08438	45678	02	78448	45778	02	78548	45678
321 5-	05667	13227	53	05654	14215	57	05663	13227	5-	05668	14428
299 5-	02748	13428	50	02746	12326	50	02745	13315	5-	05648	13428
292 53	05657	12328	5-	05658	12228	5-	05668	14228	02	05690	14376
310											
614 57	08463	10246	03	47390	08127	5-	08458	10228	02	08490	12128

13h. G.M.T. 21st January ... 18h. G.M.T. | 01h. G.M.T. 22nd January ... 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	02655	12658	5-	22648	12568	02	72558	46778	02	72328	12678
334 --	04436	10217							--	03457	10228
340 5-	05538	12478	5-	08448	45428	5-	72448	45478	50	08454	12474
136			5-	05648	11378	50	05663	08313	53	05652	08203
336 --	46203	12345	--	46203	08349				--	46203	08449
350 03	08490	08227	07	05550	07327	50	05553	06223	5-	05557	08327
368 5-	08438	08448	5-	08448	08328	50	08444	12328	5-	08448	11428
379 5-	71438	10578	5-	08438	*	5-	08438	10228	00	08490	10420
390 5-	05557	09348	5-	05548	06228	5-	08458	08428	5-	08458	10228
382 5-	23488	08278	5-	47346	07247	5-	08458	06228	00	05590	10310
438 8-	02547	10447							80	01554	08414
430 5-	05558	06328	5-	06563	08213	50	08458	04218	50	08498	04418
409 5-	61757	14467	5-	02758	45668	52	62667	45568	5-	05668	45668

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C$_L$C$_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

For the 24 hours ending morning of 22nd January.
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 ...	bgggcz$_0$	cz$_0$k	cz$_0$km$_0$	Kew 24 hours ended 7h. Max. Time
Croydon ...	bmcz$_0$	cm$_0$	cm$_0$bm$_0$	1.1 9h on 21st
Greenwich ...	amm$_0$	cm$_0$	cm$_0$	Min. Time
Camden Square	c	c	*	0.1 0.5h 22nd.
Kensington ...	cz0z	0	*	
Hampstead ...	ox	ox	ox	

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 ...	29	20	14	-	-	0.2	*	*
Croydon ...	29	18	16	-	-	1.6	*	*
Greenwich ...	27	19	17	-	-	0.0	77	80
Westminster ...	29	23	23	-			96	91
Regents Park ..	28	20	16	-	-		*	*
Camden Square	27	20	10	-	-	*	*	82
Kensington ...	28	21	21	-	-		83	77
Hampstead ...	26	19	17	-	-		*	85

SECRET

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

Friday 23rd January. 1942

No. 29282

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

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)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	27·7	−6	SSE	2	Zo	26	65	18	5	–	–	1	0	2-3	–
	Croydon ...	28·2	−2	SE'S	3	Zo	24	85	18	6	–	4	2	0	7-8	–
	S. Farnborough	27·8	−10	ESE	2	Zo	25	65	17	6	–	–	2	0	3	–
	Boscombe Down	26·4	−10	ESE	3	Zo	25	85	21	5	5	–	–	4-6	7-8	2500
	Thorney Island	27·4	−2	ESE	3	Zo	26	75	20	6	5	3	–	1	3	2500
	Lympne ...	28·2	−10	ESE	3	Zo	22	65	22	6	–	–	1	0	Tr	–
	Manston ...	28·5	−10	ESE	3	Zo	23	75	16	6	5	–	–	1	1	2500
2	Shoeburyness ...	28·9	0	SE	3	C	24	65	16	7	8	–	–	9	9	2100
	Felixstowe ...	29·0	−6	SE'E	3	Zo	25	65	24	6	8	–	–	7-8	7-8	2500
	Gorleston ...	29·7	−4	SE's	3	C	25	92	22	7	8	–	–	9+	9+	2000
	Mildenhall ...	28·6	−6	SE'S	4	bc	28	55	25	7	7	–	9	2-3	4-6	4000
	Cranwell ...	27·7	−10	SE's	4	C	23	92	21	7	5	–	–	9+	9+	6000
3	Birmingham ...	25·7	−6	SSE	3	Zo	23	75	16	5	–	7	–	0	10	–
	Upper Heyford	22·7	+2	SE	3	Zo	24	85	18	5	–	3	9	0	7-8	–
4	Ross-on-Wye	25·4	−6	SE	2	Zo	26	75	18	6	–	2	–	0	10	–
5	Hartland Point	20·7	−10	SSE	4	C/Rr	35	85	31	7	5	2	–	7-8	10	1000
	Bristol ...	25·7	−8	SE	3	Zo	25	85	22	5	5	7	–	4-6	10	3500
	Portland Bill ...	24·6	+4	E	4	O	35	75	29	8	5	–	–	10	10	2500
	Plymouth ...	24·1	−2	S	4	Iso	38	85	33	6	5	–	–	9+	9+	4000
	The Lizard ...	21·5	−8	SE	5	Pro	40	65	32	5	5	–	–	10	10	1500
	Scilly (St. Mary's)	19·5	−2	S'W	3	Iro	45	97	45	5	6	2	–	7-8	10	600
	Guernsey ...															
6	Pembroke ...	20·8	−12	SSE	6	Rso	37	97	37	6	5	2	–	7-8	10	1000
7	Holyhead ...	20·3	−8	S	5	Zo	34	92	31	5	6	2	–	9	10	500
	Chester (Sealand)	23·7	−14	SSE	4	Sf	23	92	20	3	–	2	–	10	10	600
8	Manchester ...	25·8	−8	SE	5	Iso	24	85	20	5	–	2	–	10	10	2000
10	Spurn Head ...	28·2	0	S	5	C	27	*	*	7	5	7	–	7-8	9+	2500
	Catterick ...	26·0	−14	SSE	3	Sc So	22	92	20	4	5	–	–	10	10	900
	Tynemouth ...	24·4	−10	SSW	6	C/S	24	92	23	6	–	2	–	10	10	1200
11	St. Abbs Head	20·8	−14	S	7	So So	23	97	22	5	5	–	–	10	10	1000
	Leuchars ...	20·9	−14	S	2	So So	28	92	26	6	–	2	–	10	10	900
12	Renfrew (Abbotsl.)	20·0	−2	E'N	2	m	28	92	26	4	5	2	–	9+	10	1600
	Eskdalemuir ...	22·4	−6	S'E	3	Iso	21	92	20	5	–	2	–	10	10	100
	Point of Ayre ...															
13A	Tiree	12·3	−20	SSW	5	C	44	75	38	8	5	–	–	9+	9+	1500
13B	Stornoway ...	11·5	−24	S	7	C	41	97	41	7	5	7	–	4-6	9	1500
15	Dalwhinnie ...	17·8	−8	SSW	3	O	25	85	22	6	5	–	–	10	10	2500
	Aberdeen ...	19·3	−20	S	5	C	31	92	28	6	–	2	–	0	10	–
	Wick ...	15·0	−22	S	4	C	35	85	31	6	5	3	–	2-3	9+	1200
16	Sumburgh ...	17·7	−18	S'W	6	Rs	37	85	34	6	5	2	–	9	10	1500
17	Blacksod Point	12·1	−24	S	6	Rro	47	92	45	6	6	–	–	10	10	800
18	Malin Head ...	13·4	−20	S	3	C	42	75	36	8	9	–	–	7-8	7-8	1500
	Aldergrove ...	17·3	−8	SSE	3	C	41	92	39	7	7	7	1	1	9+	1100
19	Birr Castle ...	17·3	−10	SW	1	C	41	92	40	8	5	1	–	7-8	10	2500
20	Valentia Obsy.	17·9	−14	S'W	4	Rro	47	92	46	6	5	2	–	7-8	10	800
	Roches Point	19·1	−2	NW	3	C	43	85	42	8	5	7	–	4-6	7-8	1500

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

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)	°F 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)	27·6	−2	ESE	2	m	23	75	16	4	–	–	6	0	7-8	–	8	*
	Croydon ...	28·1	+18	ESE	1	m	19	85	17	4	–	–	6	0	7-8	–	8	*
	S. Farnborough	26·8	−4	ESE	2	Zo	23	75	18	5	–	–	7	0	10	–	8	*
	Boscombe Down	26·3	+2	SE	3	Zo	25	92	22	5	5	–	–	10	10	2500	9	*
	Thorney Island	26·8	−2	E	2	Zo	25	85	21	5	5	7	–	1	9+	2500	8	*
	Lympne ...	28·7	+4	SE	3	m	22	75	16	4	–	4	6	0	4-6	–	8	*
	Manston ...	29·0	+2	S	2	m	20	75	15	4	–	3	–	0	7-8	–	8	*
2	Shoeburyness ...	28·6	+2	SSE	3	bc	24	65	15	6	–	3	1	0	4-6	–	3	*
	Felixstowe ...	28·7	+2	S'E	3	Zo	25	65	18	5	5	3	–	2-3	9	1600	3	3
	Gorleston ...	28·9	−6	S'E	5	C	26	92	23	7	8	–	–	7-8	7-8	2000	3	5
	Mildenhall ...	28·1	−2	SE	3	Zo	23	85	19	6	–	3	7	0	10	–	3	*
	Cranwell ...	26·9	+2	S'E	4	Zo	24	97	21	6	–	1	–	0	10	–	8	*
3	Birmingham ...	25·4	−2	SSE	2	So So	22	92	20	4	6	–	–	10	10	800	9	*
	Upper Heyford	26·6	+2	SSE	3	m	23	85	17	4	5	2	7	4-6	10	2500	8	*
4	Ross-on-Wye	24·8	0	SE	2	So So	27	85	24	4	–	2	–	10	10	800	8	*
5	Hartland Point	20·3	0	SSE	4	C	36	75	27	7	5	2	–	7-8	10	1500	1	
	Bristol ...	25·2	+6	ESE	4	So So	28	92	26	4	5	–	–	10	10	1000	8	*
	Portland Bill ...	25·2	+4	SE	4	C	35	85	30	7	5	–	–	10	10	2500	1	5
	Plymouth ...	24·2	+6	SSE	4	Ido	38	85	32	6	5	2	–	4-6	10	2500	1	3
	The Lizard ...	20·9	0	SSE	6	Rr	43	97	43	5	5	–	–	10	10	800	1	5
	Scilly (St. Mary's)	21·7	+6	NW'N	3	C	45	85	40	8	8	7	–	7-8	9+	1200	1	4
	Guernsey ...																	
6	Pembroke ...	20·8	+6	SSW	6	Og	41	85	37	7	5	–	–	10	10	1500	1	4
7	Holyhead ...	18·7	−6	S'E	6	Zo	35	92	33	5	6	2	–	7-8	10	800	7	5
	Chester (Sealand)	22·6	−2	SSE	4	So So	24	97	22	4	–	2	–	10	10	800	9	*
8	Manchester ...	24·0	−10	SE'S	4	SS	25	85	21	4	–	2	–	10	10	1500	9	*
10	Spurn Head ...	26·9	+2	S'E	5	O	26	*	*	7	5	–	–	10	10	2500	3	4
	Catterick ...	24·1	−8	S'E	4	So So	23	92	19	4	5	–	–	10	10	900	8	*
	Tynemouth ...	22·4	−12	S	6	O	24	92	21	6	5	–	–	10	10	1500	8	4
11	St. Abbs Head	18·7	−10	S	5	Zo	26	92	23	5	5	–	–	10	10	1500	4	3
	Leuchars ...	18·1	−18	SSE	1	Zo	29	92	27	5	–	2	–	10	10	1000	9	*
12	Renfrew (Abbotsl.)	17·1	−18	ENE	1	Rso	31	97	30	4	5	–	–	10	10	1200	9	*
	Eskdalemuir ...	20·2	−10	S'E	3	O	22	85	17	5	5	–	–	10	10	100	9	*
	Point of Ayre ...																	
13A	Tiree	08·5	−20	SSW	6	Rr	41	97	40	7	–	2	–	10	10	1500	1	5
13B	Stornoway ...	04·8	−26	S	8	Rr	41	97	40	7	5	2	–	9	10	600	1	6
15	Dalwhinnie ...	14·6	−12	S	3	Ps	28	92	26	5	5	–	–	10	10	1500	8	*
	Aberdeen ...	17·1	−16	SSW	3	Zo	31	92	28	5	–	2	–	9+	9+	900	7	3
	Wick ...	12·4	−14	S'E	5	Zo	35	85	31	6	5	7	–	2-3	10	2200	6	*
16	Sumburgh ...	14·1	−18	S'E	7	O/R	37	92	35	7	5	–	–	10	10	1500	1	6
17	Blacksod Point	09·1	−10	SW'W	6	Rro	50	92	48	7	6	–	–	10	10	800	2	5
18	Malin Head ...	08·6	−26	S	5	Ir	41	92	40	7	9	–	–	9	9	1500	1	4
	Aldergrove ...	15·2	−12	SSE	3	Rro	38	85	36	6	–	2	–	10	10	1800	1	*
19	Birr Castle ...	14·6	−8	SSE	2	O/R	42	92	40	7	5	–	–	10	10	2500	1	*
20	Valentia Obsy.	13·8	−6	SSW	4	Ir	50	92	48	6	5	2	–	9	10	1500	1	
	Roches Point	18·1	−6	SSW	3	Rr	46	92	44	6	6	2	–	7-8	10	800	1	6

PAST 24 HOURS.

Stations	Weather. 7h.—13h. 22nd (39)	13h.—18h. 22nd (40)	18h. 22nd to 1h. 23rd (41)	1h.—7h. 23rd (42)
London (Kew)	bcmc,b	bcc zocz	cs So	So So mo
Croydon ...	bcm·cmo	bcmo cm	cm, So So	s i s o
S. Farnborough	cbcc mo Zo cz o bcc	cz o o s, s s m	o s o m o	
Boscombe Down	bcmo	bcc mo	cm. o So So.	cmo
Thorney Island	bmo cmo	cmo	cis o mo	cir So mo
Lympne ...	cms o bzo	bbcz ⊕	coz o cm o	cmps
Manston ...	cmo bzo	bbcc mg mcz z. mo	cm, So So m	
Shoeburyness ...	ps o bcc	cbcmo	cmo is o m o c	cmo
Felixstowe ...	cps. mo	cmo	cmo	cmo o So So
Gorleston ...	c	c	cmo	cps o mo
Mildenhall ...	bcy	bm	cz o o S So	o m So So
Cranwell ...	cmoc	ccmop	cmo o So.	o m So Sh
Birmingham ...	cmz	o So So	oso	o s r o S
Upper Heyford	cmcmo	cmcmo	cmssf	sss o S of
Ross-on-Wye	cps. cz	o So So	So So m o o r	So r o So
Hartland Point	oc So ph	cshc	cir c	cir c
Bristol ...	c mh o	o So So m	o So So m f	o So So fm
Portland Bill ...	c	c	co	o
Plymouth ...	cmo	cl so r o r o	cm, i r c	ir c, r o r o
The Lizard ...	prprs	pa or r	r o r o c	epre
Scilly (St. Mary's)	cir.	cir c	cir.	cir.
Guernsey ...				
Pembroke ...	cqmors	cirqmo	cr o q	cqrc
Holyhead ...	ors fm o	cm.	r o f d r Z o	ed. Dm.
Chester (Sealand)	mo ssf s f o	o s f s f	ff m S o S o	o m S r o r o
Manchester ...	cm o S o	o S S m	S o S o m	S o r o m
Spurn Head ...	c	O	oss	off
Catterick ...	o fm S o So	o m S o So	o m S o S o	So So m r So
Tynemouth ...	o i So	O	o So So	o So So o m o
St. Abbs Head	o m q o S o S	o o m q sc	o m o So S o	So o m o
Leuchars ...	sh So So m o	So So cm	So m o cs. m m	So d o m c m o
Renfrew (Abbotsl.)	o f So cm	m s h r So	r. So l So r So	r So r o d o d.
Eskdalemuir ...	o So So i So	o i So	o So So	o S. r o r o
Point of Ayre ...				
Tiree	c	orr	o r v i r	o r r d
Stornoway ...	c	epr r r	civ r	coi d c
Dalwhinnie ...	o ps o	o ps o		o p s
Aberdeen ...	So So cis o	cZ o	cir o	cid o
Wick ...	o S h c m o	pm o cm o	cr m r for o	fr o c b c
Sumburgh ...	c	cr o So C	cr o r o m o	cm o r r r o
Blacksod Point	r	r	r	r
Malin Head ...	c	r	r	d
Aldergrove ...	cm o C	cr o r o m o	rr d o d o i r o	r r o cm o
Birr Castle ...	bc	r	*	r
Valentia Obsy.	r	r	r	r
Roches Point	bc	r	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 23rd Jan. 1942.

Districts	
1 S.E. England	Moderate or fresh South winds veering a little and decreasing; sleet changing to rain; some fog later; thaw, but temperatures still rather low.
2 E. England ...	
3 E. Midlands ...	Moderate or fresh South wind, strong on coasts, veering and decreasing; dull and rainy at first; some clear intervals later; fairly general fog later; general thaw but temperatures still rather low.
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 ...	Fresh or strong South wind, gale locally on coasts, veering and decreasing; rain at first; bright intervals and local showers later; local fog over land; general thaw, but temperatures still rather low inland.
13B N.W. Scotland	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands	As 13A–15
17 N. W. Ireland	Moderate or fresh S.W. wind; rain at first; bright intervals and showers later; average temperature.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

GENERAL INFERENCE

Troughs of low pressure over the British Isles are moving east. Thaw conditions will spread to all areas and there will be appreciable rainfall in most districts. Later there will be some bright intervals but there is a likelihood of fairly general fog.

FURTHER OUTLOOK

Unsettled and mainly mild type of weather.

Forecasts issued at 1030 G.M.T.

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

7h. Friday 23rd January 1942.

Low

Low

HIGH

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in tenths of mbs.

Dew Point °F

Bar. tendency

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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, 23rd January

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Friday 23rd January 1942 — No. 2282

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

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	*	*	*	*	*	25	*	*	*	*	*	*	*	*	*
	Croydon ...	217	26·3	-8	S	2	sh	25	97	24	4	-	7	-	0	9+	-
	S. Farnborough	226	25·6	-18	SE'S	2	ss	26	85	23	5	5	-	-	10	10	2000
	Boscombe Down	417	24·9	-10	S	4	c/s	29	97	28	6	-	2	-	10	10	2700
	Thorney Island	10	25·8	-12	SSE	4	z_o	33	75	26	6	5	-	-	7-8	7-8	2800
	Lympne ...	346	27·4	-10	SE	3	z_o	26	85	22	5	5	1	-	4-6	10	2000
	Manston ...	154	28·0	-10	S	3	z_o	24	85	19	6	5	-	-	10	10	5300
2	Shoeburyness ...	11															
	Felixstowe ...	15	27·3	-14	SSW	4	z_o	28	85	22	6	5	1	-	4-6	10	4000
	Gorleston ...	5	26·7	-8	SW	4	z_o	27	92	23	6	8	-	-	7-8	7-8	2000
	Mildenhall ...	19	26·4	-10	S'E	4	SoSo	25	85	21	5	-	2	-	10	10	3200
	Cranwell ...	240	23·7	-20	S	5	is_o	23	97	22	4	-	2	-	10	10	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24·7	-14	SSE	2	sf	24	97	24	3	-	2	-	10	10	800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·3	-6	SSE	4	c	38	85	34	7	5	-	-	9	9	2500
	Bristol ...	209	22·6	-16	S'W	4	sf	32	92	29	3	5	-	-	10	10	500
	Portland Bill ...	32	22·8	-16	S	4	o	36	92	33	7	5	-	-	10	10	2500
	Plymouth ...	82	21·4	-22	SSW	3	c	43	97	42	7	5	2	-	7-8	10	2000
	The Lizard ...	240	21·9	0	W'S	4	c/r	45	85	39	7	8	2	-	7-8	10	1500
	Scilly (St. Mary's)	163	21·7	-12	WSW	3	c/r	46	85	40	8	5	-	-	10	10	1200
	Guernsey ...	175															
6	Pembroke ...	142	18·7	-18	S'W	6	ir_o	45	85	42	7	8	-	-	10	10	2500
7	Holyhead ...	26	15·6	-14	S'E	7	d_od_o	39	92	37	6	-	2	-	10	10	600
	Chester (Sealand)	16	18·0	-24	SSE	4	rs	30	97	29	4	5	2	-	4-6	10	1400
8	Manchester ...	235	19·9	-22	SSE	5	SoSo	27	92	25	4	-	2	-	10	10	1500
10	Spurn Head ...	29	23·6	-24	S	6	SoSo	25	97	25	6	5	-	-	10	10	1500
	Catterick ...	175	19·7	-20	SSE	3	SoSo	23	92	21	4	-	2	-	10	10	800
	Tynemouth ...	108	18·3	-18	S	6	SoSo	24	92	22	6	-	2	-	10	10	1500
11	St. Abbs Head	280	12·8	-24	S	6	SoSo	28	97	28	5	5	-	-	10	10	800
	Leuchars ...	36	13·0	-22	-	0	SoSo	31	92	29	4	5	-	-	10	10	1000
12	Renfrew (Abbotsl.)	19	11·1	-28	S	2	rs	36	92	33	4	5	-	-	10	10	1200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30															
13A	Tiree	22	06·2	-16	SSW	4	r_or_o	46	97	45	6	-	2	-	10	10	1200
13B	Stornoway ...	80	00·8	-16	S	7	pr	45	97	45	7	5	2	-	7-8	10	900
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	34	*	*	*	*	*	*	*	*	*
	Wick ...	119	06·5	-24	S	6	r_or_o	36	97	35	6	-	2	-	10	10	2000
16	Sumburgh ..	30	08·9	-26	SSE	7	r_or_o	39	92	37	6	5	-	-	10	10	1000
17	Blacksod Point	18	06·3	-16	SW	6	Dr	51	97	50	6	6	-	-	10	10	800
18	Malin Head ...	84	05·3	-18	S	4	c	46	97	45	5	6	-	-	9+	9+	800
	Aldergrove ...	268	09·7	-26	S	4	ir_o	44	97	43	6	5	-	-	10	10	700
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	11·7	-26	SSW	5	r_or_o	51	97	50	6	6	-	-	10	10	800
	Roches Point	22	14·6	-20	S'W	6	dr	47	97	46	6	5	-	-	10	10	450

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

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)	21·0	-24	S	3	z_o	32	85	27	5	5	-	-	10	10	1500	8	*
Croydon ...	21·7	-22	S	3	sh	31	92	29	5	5	7	-	4-6	10	3000	8	*
S. Farnborough	20·7	-30	S	3	z_o	32	75	27	6	5	-	-	10	10	2000	8	*
Boscombe Down	20·4	-22	SSW	4	ir_o	34	97	33	5	5	2	-	10	10	500	9	*
Thorney Island	22·0	-22	S'W	4	rs	36	85	31	6	5	-	-	10	10	2400	6	**
Lympne ...	24·4	-14	SSE	3	c/ph	28	85	25	4	5	-	-	10	10	2300	8	4
Manston ...	24·5	-16	S	3	z_o	26	92	24	5	5	-	-	10	10	3000	8	*
Shoeburyness ...	22·9	-16	S'E	4	is_o	30	85	25	5	5	-	-	10	10	3100	4	*
Felixstowe ...	23·2	-22	SSW	5	SoSo	29	85	25	6	6	2	-	9+	10	1300	8	4
Gorleston ...	23·4	-6	SSW	4	c/ps	37	85	33	6	5	-	-	10	10	1500	4	5
Mildenhall ...	21·9	-24	S	4	SoSo	27	85	25	5	-	2	-	10	10	2500	8	*
Cranwell ...	18·0	-28	S	4	sh	28	97	23	5	-	2	-	10	10	1500	9	*
Birmingham ...	16·4	-26	S	3	m	31	92	29	4	5	-	-	10	10	800	9	*
Upper Heyford	19·5	-34	S	3	SoSo	30	92	29	4	-	2	-	10	10	800	9	*
Ross-on-Wye	16·5	-36	SW'S	4	c/rs	36	92	34	6	5	-	-	10	10	1500	6	*
Hartland Point	14·8	-30	SW	6	c	45	85	40	7	5	2	-	7-8	10	2500	1	6
Bristol ...	18·2	-20	SSW	2	r	38	92	36	4	5	-	-	10	10	800	6	*
Portland Bill ...	19·4	-24	SW	4	o	42	92	40	7	5	-	-	10	10	2500	1	4
Plymouth ...	19·3	-14	SW	4	r$_o$r$_o$	47	85	44	7	5	2	-	9	10	1500	1	3
The Lizard ...	19·1	-16	SW	5	c	47	85	43	7	8	2	-	9	10	1500	1	5
Scilly (St. Mary's)	17·0	-24	WSW	5	cjp	49	85	48	7	5	-	-	10	10	1500	1	4
Guernsey ...																	
Pembroke ...	13·0	-30	SSW	6	ir_o	42	97	42	6	8	-	-	10	10	2500	1	4
Holyhead ...	09·3	-34	S'W	8	DD	43	97	43	5	-	2	-	10	10	4150	1	5
Chester (Sealand)	12·4	-34	SSE	4	ir_o	35	92	32	5	5	2	-	7-8	10	900	9	*
Manchester ...	14·1	-30	SSE	5	ir_o	33	85	30	5	5	-	-	10	10	2500	9	*
Spurn Head ...	18·3	-24	S	5	SS	28	97	28	4	5	-	-	10	10	1500	7	4
Catterick ...	13·6	-30	S	4	rs	28	97	27	4	5	-	-	10	10	1100	8	*
Tynemouth ...	13·1	-22	SSW	6	z_o	29	92	27	6	-	2	-	10	10	1500	8	5
St. Abbs Head	08·6	-18	S	4	z_o	30	85	27	5	5	-	-	10	10	800	8	3
Leuchars ...	07·9	-24	-	0	z_o	33	97	33	5	5	-	-	10	10	700	8	*
Renfrew (Abbotsl.)	06·3	-26	S'E	1	c/d	38	92	36	5	5	2	-	7-8	10	1600	9	*
Eskdalemuir ...	09·3	-24	S'E	1	rs	31	97	30	5	-	2	-	10	10	100	9	*
Tiree	01·0	-14	SW'S	2	dd	48	97	38	6	-	2	-	10	10	1200	1	3
Stornoway ...	00·2	0	S	3	c	47	97	37	8	5	2	-	7-8	10	1000	1	1
Dalwhinnie ...	05·8	-20	SSW	4	o	32	92	31	7	5	2	-	7-8	10	2300	8	*
Aberdeen ...	07·5	-18	S'W	4	id	35	92	32	5	5	-	-	10	10	1100	6	3
Wick ...	03·4	-14	S	5	c	39	92	36	7	3	7	-	9	10	2600	1	*
Sumburgh ..	06·4	-6	SSW	7	iR	40	92	38	6	5	-	-	10	10	900	1	6
Blacksod Point	10·0	-36	SW	6	RR	52	97	51	6	6	-	-	10	10	800	2	5
Malin Head ...	00·6	-28	S	3	c	49	97	48	6	6	-	8	9	9	1500	1	4
Aldergrove ...	04·4	-28	S	3	c	47	97	47	6	5	-	-	10	10	400	1	*
Birr Castle ...	04·5	-34	S	4	ir	51	92	49	7	5	-	-	10	10	1500	1	*
Valentia Obsy.	06·6	-24	SW'S	6	iR	53	97	52	6	6	-	-	10	10	800	1	5
Roches Point	18·7	-28	SSW	6	rr	50	97	49	7	6	2	-	7-8	10	800	1	*

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 22nd Hrs. (38)
London (Kew)	26	23	19	-	1	2·4
Croydon ...	26	19	19	-	1	2·6
S. Farnborough	26	22	19	-	0·5	3·0
Boscombe Down	26	25	24	0·5	1	0·5
Thorney Island	26	25	25	-	-	*
Lympne ...	24	22	*	Tr	Tr	5·7
Manston ...	23	19	15	-	Tr	2·9
Shoeburyness ...	26	24	21	Tr	Tr	2·0
Felixstowe ...	26	26	22	Tr	0·4	1·1
Gorleston ...	26	25	22	-	0·2	*
Mildenhall ...	28	23	21	-	1	3·7
Cranwell ...	25	21	*	-	1	0·5
Birmingham ...	23	22	22	3	3	0·0
Upper Heyford	25	20	21	-	4	*
Ross-on-Wye	27	27	25	0·3	1	0·0
Hartland Point	37	36	34	1	0·4	0·0
Bristol ...	28	26	27	Tr	1	0·0
Portland Bill ...	37	33	*	-	-	*
Plymouth ...	46	36	35	1	Tr	0·0
The Lizard ...	43	42	*	2	1	0·0
Scilly (St. Mary's)	46	44	*	1	2	0·0
Guernsey ...						
Pembroke ...	42	38	*	9	5	0·0
Holyhead ...	35	35	33	3	7	*
Chester (Sealand)	24	23	25	10	2	0·0
Manchester ...	25	24	24	1	4	*
Spurn Head ...	29	25	*	-	*	0·0
Catterick ...	23	22	20	1	*	0·0
Tynemouth ...	24	24	22	4	0·4	*
St. Abbs Head	26	25	*	Tr	1	*
Leuchars ...	29	29	27	0·5	*	0·0
Renfrew (Abbotsl.)	31	31	26	4	2	0·0
Eskdalemuir ...	23	22	21	5	7	0·0
Point of Ayre ...			*			
Tiree	44	41	*	3	8	0·0
Stornoway ...	42	4	*	0·5	1	0·0
Dalwhinnie ...	28	27	25	0·1	2	0·0
Aberdeen ...	31	30	29	0·5	3	0·0
Wick ...	35	34	39	0·1	4	*
Sumburgh ..	38	37	36	1	5	0·0
Blacksod Point	51	48	*	6	7	*
Malin Head ...	42	39		2	1	0·0
Aldergrove ...	41	39	37	0·6	4	0·4
Birr Castle ...	42	41	40	3	7	0·0
Valentia Obsy.	50	49	48	3	20	0·0
Roches Point	46	*	*	3	8	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 22nd January ... 18h. G.M.T. — 01h. G.M.T. 23rd January ... 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	03647	16528	52	05644	16627	5-	51638	49628	5-	61638	17668
115	54	02844	16225	52	02845	16328	52	81844	18487	52	62735	20588
203	53	02834	16515	6-	81728	49688	6-	81728	49788	6-	02838	16788
206	57	01764	20214	02	03678	16228	52	02654	55578	51	02863	18328
210	57	05655	17325	51	05664	14328	5-	02668	15468	57	05664	16327
220	57	02845	15518	62	64436	14668						
230	5-	23667	12177	52	71634	14478	52	62646	14378	52	52645	14358
245	5-	72648	20378	02	05648	18378	02	72438	19278	02	52428	16478
260				5-	08448	03128	57	05554	14178	52	22656	18268
278	5-	78438	43478	5-	63538	13478	5-	64638	14368	5-	61638	16368
279	52	23634	15278	02	05548	12328	02	78438	12278	02	62648	49568
285	02	74428	10578	02	71528	08578						
288	52	72655	49478	5-	23658	49578	02	74338	49478	02	05548	49478
575	57	02851	13428	62	64736	14368	62	52746	16258	62	63746	14268
301	--	36309	47879	--	36309	47779	02	78328	47678	02	22528	47678
321				02	72648	15478	02	72438	48478	02	68538	49478
299	50	01755	18475	5-	71648	18478	5-	74648	18478			
292	02	72548	14478	02	71558	13278	02	74448	14478	02	62648	14478
310												
614	02	05550	14328	02	71468	47478	02	73238	18378	02	72338	18378

13h. G.M.T. 22nd January ... 18h. G.M.T. — 01h. G.M.T. 23rd January ... 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	02	77328	12578	02	70428	14678	6-	61638	17768	02	54418	18658
334	--	37437	06278	--	37437	04378						
340				02	77338	14478	5-	72438	48478	5-	61438	14478
136	10	02753	13314	07	05680	14318	02	23578	18478	62	74436	16478
336	--	77209	08379	--	77109	12479				--	46209	16349
350	07	05590	12328	07	08490	12327	07	71490	16475	07	71448	16478
368	5-	77338	12478	02	77338	11378	5-	23348	14278	52	62435	14178
379	03	05590	10427	5-	74548	10378	02	72548	10378	02	72548	12378
390	54	05654	11314	00	08490	08212	02	72468	14378	02	71458	14378
382	03	05690	10426	57	05566	11328	5-	72448	12378	5-	68648	14428
438	5-	08415	* *							5-	03558	18428
430	57	02763	06427	53	05655	08317	5-	23678	16378	5-	71658	18478
409	5-	68658	47578	5-	61748	47578	52	21665	13358	52	22646	16468

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C_L C_M = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

For the 24 hours ending morning of 23rd JANUARY
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 ...	bcmc,b	bcc2oc	$s_os_oom_o$	Kew 24 hours ended 7h.
Croydon ...	bcm.cm$_o$	bcm$_o$c c$_c$s$_o$i$_s$		Max. Temp. 06 20–21h 22nd
Greenwich ...	c	bc@b	bcis	Min. Temp. 01 07h 23rd
Camden Square	c	bc		
Kensington ...	cbc2	bc 2		
Hampstead ...	0x	bcx	08x	

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	26	23	19	-	1	2·4	*	*
Croydon ...	26	19	19	-	1	2·6	*	*
Greenwich ...	25	21	13	-	1	2·7	86	89
Westminster ...	35	23	23	0·3			97	90
Regents Park ...	33	22	19	-	3		*	*
Camden Square	31	24	19	-	1	*	*	81
Kensington ...	28	22	20	-	1		79	82
Hampstead ...	25	21	17	-	1		*	93

SECRET

Page 1

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

BRITISH SECTION

Saturday 24th January 1942

No. 29283

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

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)	15·3	-40	S'E	4	r	35	97	34	5	6	2	–	7-8	10	1500
	Croydon ...	16·3	-38	S	4	r	34	97	34	5	6	2	–	7-8	10	2000
	S. Farnborough	15·2	-42	S	3	r	36	97	35	5	6	2	–	9	10	600
	Boscombe Down	14·3	-38	S	5	d	39	97	39	5	6	–	–	10	10	300
	Thorney Island	16·5	-34	SSW	4	r	39	97	38	5	5	–	–	10	10	800
	Lympne ...	20·0	-30	SW'S	4	ss	36	92	30	4	5	–	–	10	10	2500
	Manston ...	18·9	+30	S	5	ss	30	97	29	4	1	2	–	10	10	1000
2	Shoeburyness ...	18·3	-32	S'E	4	rs	32	92	30	6	6	2	–	10	10	2200
	Felixstowe ...	18·5	-32	S	5	s	31	92	28	4	1	2	–	10	10	450
	Gorleston ...	18·1	-38	S'W	6	s	31	85	28	5	6	–	–	10	10	800
	Mildenhall ...	15·8	-36	SSE	4	r	33	92	30	6	1	2	–	10	10	800
	Cranwell ...	14·3	-30	S'E	5	r	33	97	33	4	6	2	–	9+	10	600
3	Birmingham ...	09·6	-44	S	4	r	37	92	35	4	5	–	–	10	10	800
	Upper Heyford	13·1	-38	S	4	r	35	97	35	3	1	2	–	10	10	700
4	Ross-on-Wye	09·7	-40	SW'S	4	r	42	92	40	6	6	–	–	10	10	800
5	Hartland Point	08·0	-42	WSW	6	r	48	92	46	6	5	2	–	9	10	800
	Bristol ...	11·5	-42	SW	3	r	44	92	42	7	1	2	–	10	10	600
	Portland Bill ...	14·4	-24	SW	5	r	46	92	42	7	5	–	–	10	10	2500
	Plymouth ...	13·7	-38	SSW	7	r	48	97	48	6	5	–	–	10	10	800
	The Lizard ...	13·6	-32	SW	7	r	49	97	49	6	5	–	–	10	10	1000
	Scilly (St. Mary's)	12·0	-32	WSW	6	r	50	97	50	5	6	–	–	10	10	500
	Guernsey ...															
6	Pembroke ...	06·3	-32	SW	7	d	50	97	50	6	8	–	–	10	10	1500
7	Holyhead ...	02·0	-38	SSW	6	D	48	97	48	4	1	2	–	10	10	1150
	Chester (Sealand)	05·0	-44	SSE	4	r	38	92	36	5	1	2	–	9	10	700
8	Manchester ...	06·6	-44	SSE	5	r	38	92	36	5	6	2	–	7-8	10	600
10	Spurn Head ...	11·3	-42	S	5	r	32	92	30	6	5	–	–	10	10	1500
	Catterick ...	06·3	-42	SSE	4	r	33	97	32	3	1	2	–	10	10	800
	Tynemouth ...	06·3	-40	SSW	4	r	35	97	34	5	1	2	–	10	10	1200
11	St. Abbs Head	02·8	-36	S	5	r	33	92	33	4	5	–	–	10	10	800
	Leuchars ...	01·5	-38	S	1	r	37	97	37	5	5	–	–	10	10	500
12	Renfrew (Abbotsl.)	99·7	-38	NE	2	r	37	97	37	4	5	–	–	10	10	900
	Eskdalemuir ...	01·1	-38	S'W	3	RR	35	97	35	5	1	2	–	10	10	1150
	Point of Ayre ...															
13A	Tiree	99·8	-26	ESE	3	r	45	97	45	5	1	2	–	10	10	600
13B	Stornoway ...	97·3	-24	S	3	d	46	97	36	6	5	2	–	7-8	10	800
15	Dalwhinnie ...	99·8	-34	SSE	4	r	35	92	32	7	5	2	–	4-6	10	2500
	Aberdeen ...	02·7	-28	S'E	4	r	38	97	37	4	5	–	–	10	10	1100
	Wick ...	00·1	-24	S	5	d	40	92	38	6	5	2	–	9	10	400
16	Sumburgh ...	04·7	-8	SSE	7	r	40	97	39	6	6	–	–	10	10	700
17	Blacksod Point	99·5	+4	WSW	5	d	52	92	50	7	6	–	–	10	10	800
18	Malin Head ...	95·1	-18	SW	3	d	50	97	50	5	5	–	–	9+	9+	450
	Aldergrove ...	97·6	-28	SW'S	3	rd	50	97	50	5	5	–	–	10	10	500
19	Birr Castle ...	02·3	0	WSW	3	r	52	92	50	7	6	2	–	7-8	10	1500
20	Valentia Obsy.	05·4	-10	WSW	5	d	53	97	53	5	5	–	–	10	10	450
	Roches Point	05·3	-10	SW'W	4	c	52	97	52	8	5	–	–	9+	9+	800

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

Barom. at M.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)
07·5	-48	SW	4	r	38	97	36	5	6	2	–	9	10	1500	6	*
08·0	-54	S'E	5	r	39	97	39	4	6	2	–	9+	10	800	6	*
07·8	-44	SSW	4	r	41	97	40	5	5	1	–	10	10	500	6	*
07·7	-42	SSW	5	r	44	97	44	5	6	2	–	10	10	500	6	*
09·5	-34	SSW	5	r	43	97	43	5	6	2	–	9+	10	400	1	#
13·5	-46	S'E	4	r	35	97	35	4	5	1	–	10	10	700	6	§ 5
11·9	-46	S'E	5	r	32	97	31	4	1	2	–	10	10	400	8	*
10·4	-58	S'W	6	r	37	92	35	5	1	2	–	10	10	2500	4	*
10·6	-38	S	7	r	33	92	31	5	5	1	–	10	10	700	8	5
11·8	-36	SSW	7	r	31	85	27	5	6	1	–	10	10	600	7	6
06·8	-50	SSE	6	r	36	92	34	5	1	2	–	10	10	500	6	*
04·0	-38	S'E	4	r	36	97	36	4	1	2	–	10	10	300	6	*
03·1	-30	SSW	3	f	42	97	42	1	1	–	–	10	10	1150	5	*
06·1	-26	SSW	4	d	39	97	38	3	1	2	–	10	10	1150	6	*
03·9	-30	W'S	3	c	47	97	46	6	6	1	–	7-8	10	800	4	*
05·3	-12	WSW	4	r	49	97	48	5	1	2	–	10	10	450	1	5
05·1	-16	SW	5	d	48	97	48	5	6	2	–	7-8	10	600	1	*
08·2	-8	SW	6	r	47	92	45	7	5	1	–	10	10	2500	1	6
08·1	-32	SW	7	r	50	97	50	5	1	2	–	10	10	500	1	5
08·4	-20	WSW	7	r	51	97	50	5	5	1	–	10	10	1000	1	5
08·7	-12	W'S	6	d	51	97	50	5	6	1	–	10	10	500	1	5
03·5	-12	WSW	7	r	50	97	50	3	5	1	–	10	10	600	1	5
00·1	-8	SW'W	5	d	47	97	47	4	5	1	–	10	10	300	2	4
00·3	-26	SW	2	r	46	92	44	6	5	7	–	4-6	9+	600	6	*
00·8	-30	SSE	4	r	41	97	40	6	1	2	–	10	10	800	1	*
03·9	-30	S'E	6	r	34	97	33	3	5	1	–	10	10	1500	2	5
00·3	-22	S'E	3	r	35	97	34	2	1	1	–	10	10	1150	6	*
00·1	-20	S	4	r	37	97	37	5	1	2	–	10	10	1500	1	3
97·3	-14	S	5	r	35	97	33	4	5	1	–	10	10	1500	6	3
96·7	-22	ESE	2	D	36	97	35	3	5	1	–	10	10	400	6	*
97·0	-2	–	0	d	35	97	35	3	5	1	–	10	10	1000	3	*
97·0	+16	–	0	d	35	97	34	4	1	2	–	10	10	100	6	*
96·3	+10	NW	3	c	47	97	46	7	5	1	–	9	9	1500	7	4
95·3	-4	WNW	1	r	45	97	45	7	5	2	–	7-8	10	1000	1	1
97·4	-4	S	3	r	35	92	34	7	5	2	–	7-8	10	2500	7	*
98·7	-24	S'E	4	r	40	92	39	4	5	1	–	10	10	1100	4	3
97·4	-18	SSE	6	r	40	97	40	6	1	2	–	10	10	800	1	*
02·9	-12	SSE	7	r	39	92	37	6	6	2	–	9	10	700	1	6
02·6	+28	WNW	5	r	43	92	42	7	6	1	–	9+	9+	800	2	4
97·6	+30	W	4	c	43	92	42	7	5	1	–	9	9	1500	1	4
89·2	+14	W	4	c	48	92	46	8	5	1	–	9+	9+	1400	2	*
01·9	+2	WSW	3	r	51	92	49	7	6	2	–	7-8	10	1500	1	*
07·9	+26	NW'W	6	r	51	85	47	8	5	1	–	9+	9+	1500	1	5
04·2	-2	WNW	4	c	52	92	50	9	3	3	–	4-6	7-8	1500	1	*

PAST 24 HOURS.

Weather. 7h.—13h. 23rd (39)	13h.—18h. 23rd (40)	18h. 23rd — 1h. 24th (41)	1h.—7h. 24th (42)
s r s r	r r r m	r r r r	c i r b m
c m r s	m r r r	r d r r	c m i d r m
o m r r	c m r r	o m r d	c b
o s m d	o m r r	c m r r b c	b b c
r r s r	o r r b c m	r r b c m	b e e b c
c s s s	o s r r	m f r r r	f m r r m
r i s m	s s r r	r r r r r m	r r r r m

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

Districts.	
1	S.E. England
2	E. England ...
3	E. Midlands ...
4	W. Midlands
5	S.W. England
6	South Wales
7	North Wales
8	N.W. England
9	N. Midlands ...
10	N.E. England
11	S.E. Scotland

Moderate N.W. wind, backing S.W. and freshening; fair at first; rain spreading from west later; rather mild or mild.

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

Moderate westerly winds, backing S.W. and increasing to strong to gale; fair at first; rain spreading from west later; rather mild.

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

Southerly wind strong to gale; occasional rain or sleet; further general rain later; rather cold becoming milder.

Southwesterly winds increasing to strong to gale, veering westerly later; general rain spreading east, bright intervals and showers later; mild or rather mild.

GENERAL INFERENCE

Pressure is lowest to N.W. of Iceland. A trough of low pressure extending down our east coast is moving slowly away eastwards and a ridge of high pressure is spreading eastwards across the country. A depression centred about 350 miles west of Northern Ireland is moving fairly rapidly E.N.E. Weather will be generally fair at first, but the Atlantic depression will cause general rain to spread across the British Isles with Southerly gales developing along the N.W. seaboard. It will be generally rather mild or mild.

FURTHER OUTLOOK

Unsettled and mild with rain at times in most areas. Renewal of Gale Warning issued at 0910 on 24/1/42 in districts 13, 16, 17, 20.

Forecasts issued at 030 G.M.T.

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

7h. Saturday 24th January. 1942.

LOW

HIGH

HIGH

LOW

1000

1002

1004

1006

1008

1010

STATION MODEL

High Cloud

Medium cloud

Low cloud

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in tenths mbs.

Bar. tendency

Weather in past hour

Past weather

Temperature °F

Present weather

Visibility

Dew Point °F

Amount of Low cloud

Height of Low cloud

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 24th January

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ◯ Clear sky. ◔ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. ○ Rain falling. ✱ Snow. ✱ Sleet. △ Hail. Fog. ≡ Mist. ≡ Thunder. (T) Thunderstorm. T 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.

HIGH

LOW

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 24th January 1942 — No. 22283

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

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	*	*	*	*	*	42	*	*	*	*	*	*	*	*	*
	Croydon ...	217	01·2	-22	WSW	2	c/r	45	97	45	4	6	2	-	7-8	10	800
	S. Farnborough	226	02·2	-14	W'N	3	c	44	97	43	7	5	-	-	10	10	5000
	Boscombe Down	417	03·8	+2	WNW	4	bc	47	97	46	7	5	-	-	4-6	4-6	2500
	Thorney Island	10	03·1	-14	W	3	bc/r	47	97	47	5	5	-	-	2-3	2-3	1200
	Lympne ...	346	01·8	-52	S	3	r	42	97	42	2	1	-	-	10	10	1150
	Manston ...	154	00·4	-48	SSW	3	r	40	97	39	4	6	-	-	10	10	1200
2	Shoeburyness ...	11															
	Felixstowe ...	15	00·2	-36	WSW	1	r	36	97	36	2	1	2	-	10	10	200
	Gorleston ...	5	01·1	-38	S'E	5	r	36	92	35	5	6	1	-	10	10	800
	Mildenhall ...	19	99·2	-26	WSW	3	r	41	92	40	4	1	2	-	10	10	300
	Cranwell ...	240	99·6	-6	WSW	3	r	41	97	41	3	1	2	-	10	10	500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	01·8	-4	W	4	fog	41	97	40	3	1	2	-	10	10	3500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	06·9	+20	WNW	5	c	49	92	46	7	5	-	-	9+	9+	1500
	Bristol ...	209	04·3	+10	W'S	5	r	47	97	47	6	5	2	-	9+	10	2600
	Portland Bill ...	32	04·7	-4	SW	6	c	48	92	47	7	5	-	-	7-8	7-8	2500
	Plymouth ...	82	07·5	+6	WNW	5	bc	51	92	49	8	5	-	-	2-3	2-3	2000
	The Lizard ...	240	09·4	+12	NW	6	bc	49	92	47	7	8	-	-	4-6	4-6	1500
	Scilly (St.Mary's)	163	11·2	+24	NW'N	5	bc	49	92	47	7	5	-	-	2-3	2-3	1500
	Guernsey ...	175															
6	Pembroke ...	142	06·3	+14	NW	5	pr	49	92	47	7	8	-	-	7-8	7-8	2500
7	Holyhead ...	26	02·7	+10	NW'W	5	r	46	92	44	7	5	-	-	1	1	2500
	Chester(Sealand)	16	02·7	+26	WNW	5	r	46	92	41	6	5	-	-	10	10	2200
8	Manchester ...	235	02·3	+20	W	4	r	43	97	43	5	5	2	-	9	10	1000
10	Spurn Head ...	29	98·6	-14	S'E	3	c	38	97	38	4	5	-	-	10	10	1500
	Catterick ...	175	99·7	+14	WNW	4	r/s	42	92	39	4	5	-	-	7-8	7-8	3100
	Tynemouth ...	108	99·3	+10	NNW	3	r/r	38	97	37	4	-	2	-	10	10	1500
11	St. Abbs Head	280	98·3	+12	WNW	4	r	38	92	36	6	5	4	-	4-6	4-6	1500
	Leuchars ...	36	98·3	+18	NW	1	fog	35	97	35	3	5	-	-	9	9	1100
12	Renfrew (Abbotsl.)	19	01·1	+18	WSW	1	fog+	39	97	39	3	5	-	-	10	10	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30															
13A	Tiree	22	02·0	+16	NW	2	c	45	92	44	7	8	-	-	7-8	7-8	1800
13B	Stornoway ...	80	99·9	+30	—	0	c/r	43	97	43	7	5	7	-	7-8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	39	*	*	*	*	*	*	*	*	*
	Wick ...	119	98·9	+8	SSE	4	dr	40	97	40	5	6	2	-	10	10	1800
16	Sumburgh ..	30	03·7	+6	SSE	8	r	35	97	34	6	6	-	-	10	10	800
17	Blacksod Point	18	08·2	+10	W	2	c	47	85	42	8	4	-	-	7-8	7-8	2500
18	Malin Head ...	84	03·6	+18	NW	2	bc	46	85	41	8	5	3	-	2-3	4-6	4000
	Aldergrove ...	268	03·7	+14	WNW	4	b	45	75	38	8	5	-	-	1	1	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·5	-6	WNW	3	c	50	75	43	8	5	-	-	9+	9+	2500
	Roches Point	22	10·2	+14	NNW	4	bc	46	85	41	8	5	-	-	4-6	4-6	2500

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

Barom. at M.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)
05·2	+20	WNW	3	r	44	75	38	6	5	1	-	Tr	Tr	1500	1	*
05·1	+26	WNW	3	r	43	92	40	4	5	1	-	1	1	2500	4	*
05·6	+12	WNW	2	fog	43	85	39	7	1	-	-	0	0	—	2	*
07·1	+14	W'S	3	r	41	92	38	6	5	3	-	1	2-3	3000	4	*
06·4	+24	NW	3	r	45	85	41	6	5	1	-	2-3	2-3	4000	1	*
04·1	+22	NW	6	r	43	85	39	6	5	7	-	7-8	9	1500	1	4
02·6	+22	WNW	5	r	40	97	39	6	5	1	-	10	10	2000	6	*
04·1	+10	NW	5	c	44	85	40	5	5	1	-	9	9	2300	1	*
02·2	+24	NW	4	c/d	40	97	39	6	5	1	-	10	10	1400	4	3
01·9	+18	N'W	2	r	38	92	35	6	6	1	-	10	10	800	4	4
02·7	+30	W'N	5	r	41	92	39	5	5	1	-	10	10	2400	2	*
02·9	+16	NW'W	4	r	41	97	39	4	5	1	-	10	10	2500	6	*
05·5	+6	WNW	3	b	42	85	37	6	1	-	-	0	0	—	4	*
05·3	+18	WNW	4	r	41	92	38	6	5	1	-	2-3	2-3	1500	1	*
06·6	+6	W	1	c	43	75	36	7	5	1	-	7-8	7-8	3000	1	*
07·6	-18	NW	4	c	47	85	42	7	4	7	-	4-6	9	2500	1	4
06·9	-2	—	0	c	44	85	39	7	5	1	-	9+	9+	3500	1	*
07·6	+14	N	1	o	48	92	46	7	5	1	-	10	10	2500	1	5
09·5	0	WSW	2	c	46	97	45	8	5	1	-	10	10	2000	1	3
10·6	-6	W	4	c	48	92	46	7	8	1	-	7-8	7-8	1500	1	4
10·4	-14	NW	2	c	48	86	45	7	5	1	-	9	9	1200	1	*
08·0	-12	WNW	2	c	46	85	42	7	8	1	-	9+	9+	3000	1	3
04·8	-20	W	1	c	43	92	41	7	5	1	-	7-8	7-8	3000	2	4
04·8	-4	WNW	2	r	43	85	38	6	1	4	-	0	2-3	-	6	*
05·1	+10	SW	3	r	41	92	39	6	5	1	-	9	9	2000	6	*
01·7	+22	NW'W	4	r	38	92	35	5	1	2	-	10	10	1500	1	3
02·8	+14	NW	3	r	42	85	37	5	5	1	-	9+	9+	2500	6	*
02·6	+10	NNW	2	r	39	92	36	6	5	1	-	10	10	1500	6	3
01·7	+14	NW	3	r	41	92	38	6	5	1	-	4-6	10	1500	4	3
01·8	+6	--	0	r	35	97	35	5	5	1	-	7-8	7-8	2200	6	*
02·6	-10	W	2	r	36	97	35	5	1	-	1	0	1	—	7	*
03·0	-2	—	0	bc	38	92	35	6	5	1	-	2-3	2-3	1400	6	*
05·9	-20	SSW	1	c	42	85	37	8	5	-	-	10	10	2500	1	*
05·3	-38	S'E	4	r	47	85	42	7	5	1	-	10	10	1500	1	3
07·6	-18	W'S	2	r	45	85	40	8	5	1	-	9+	9+	2500	1	*

PAST 24 HOURS.

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)	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 23rd Hrs. (38)
5	1	-	Tr	Tr	1500	1	*	38	38	36	9	7	0·0
5	1	-	1	1	2500	4	*	39	39	36	10	10	0·0
1	-	-	0	0	—	2	*	41	40	*	5	8	0·0
5	3	-	1	2-3	3000	4	*	44	41	36	5	4	0·0
5	1	-	2-3	2-3	4000	1	*	43	43	42	7	5	*
5	7	-	7-8	9	1500	1	4	35	35		8	19	
5	1	-	10	10	2000	6	*	33	32	29	7	14	0·0
5	1	-	9	9	2300	1	*	37	36	36	5	9	0·0
6	1	-	10	10	1400	4	3	34	33	32	11	11	0·0
6	1	-	10	10	800	4	4	32	31	30	2	15	*
5	1	-	10	10	2400	2	*	36	35	33	15	7	0·0
5	1	-	10	10	2500	6	*	37	35	32	14	2	0·0
1	-	-	0	0	—	4	*	42	40	36	6	7	0·0
5	1	-	2-3	2-3	1500	1	*	40	38	34	11	7	*
5	1	-	7-8	7-8	3000	1	*	47	43	35	3	3	0·0
4	7	-	4-6	9	2500	1	4	49	46	44	10	5	0·0
5	1	-	9+	9+	3500	1	*	48	42	32	8	8	0·0
5	1	-	10	10	2500	1	5	48	37	*	8	6	*
5	1	-	10	10	2000	1	3	50	46	39	17	6	0·0
5	1	-	7-8	7-8	1500	1	4	51	47	*	13	3	0·0
5	1	-	9	9	1200	1	*	51	47	*	10	2	0·0
8	-	-	9+	9+	3000	1	3	50	40	*	14	1	0·0
5	1	-	7-8	7-8	3000	2	4	50	41	36	15	3	*
1	4	-	0	2-3	-	6	*	46	43	35	0·5	1	0·0
5	1	-	9	9	2000	6	*	46	40		10	3	
5	2	-	10	10	1500	1	3	34	33	*	10	3	0·0
5	1	-	9+	9+	2500	6	*	35	34	34	8	1	0·0
5	1	-	10	10	1500	6	3	37	36	34	13	1	*
5	1	-	4-6	10	1500	4	3	35	34	*	14	2	*
5	1	-	7-8	7-8	2200	6	*	37	34	31	14	1	0·0
5	1	-	7-8	7-8	2200	6	*	35	34	31	16	0·3	0·0
5	1	-	2-3	2-3	1400	6	*	37	34	33	19	1	0·0
								48		*	11		
5	1	-	10	10	2000	1	1	46	38	*	5	1	0·0
5	1	-	4-6	4-6	2500	4	*	38	34	31	3	1	0·0
5	1	-	10	10	1100	4		40	38	36	8	10	0·0
5	1	-	10	10	200	1	*	41	38	37	5	18	*
5	1	-	10	10	800	1	6	41	34	33	3	11	0·0
8	-	7	-	10	—	0	3	53	41	*	4	0·1	*
5	-	-	7-8	7-8	2500	1	4	50	40		5	0·1	0·0
5	1	-	7-8	7-8	2500	1	*	50	36	34	8	Tr	0·0
5	1	-	10	10	2500	1	*	52	38	35	4	0·1	0·0
5	1	-	10	10	1500	1	3	53	46	42	6	0·1	*
5	1	-	9+	9+	2500	1	*	54	*	*	4	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 23rd January 18h. G.M.T. — 01h. G.M.T. 24th January 07h. G.M.T.

IIHC$_L$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 62	52517	13658	62	64515	45668	5-	63658	47668			
115 52	62735	08268	52	64725	24268	57	02844	26437	54	02844	23385
203			6-	54728	12368						
206 52	64643	14268	02	64698	00068	52	02644	00058	5-	01854	22214
210 52	64645	10268	62	64644	11468	5-	51538	00058	5-	02766	20226
220 52	64436	14368	52	21525	14158				50	01645	14215
230 62	64636	14368	02	54438	00058	8-	81745	24185	23	01753	00083
245 02	64529	15568	02	64528	14568	02	41438	00068	02	47328	23158
260 52	64545	00068	52	05546	00068				57	05557	00018
278 5-	52648	18368	67	53637	28458	57	00842	26513	57	00852	12183
279 62	64638	50568	62	5·445	20368	5-	02757	21347	50	05663	22113
285			02	63328	08468				23	05634	28565
288 52	62664	16468	62	22548	14568	5-	47358	23268	51	41458	00048
57562	52746	22458	5-	51638	24458	2-	01855	26455	5-	02858	17388
301 02	64528	14668	52	43315	20348	5-	21658	26488	50	05653	27581
321 02	62548	15378	02	52428	17468	51	61445	55368			
299											
292			02	52438	14368	02	62458	00048	5-	02757	29268
310											
614 02	64328	18468	02	47238	20268	50	41545	25365	5-	05546	24226

13h. G.M.T. 23rd January 18h. G.M.T. — 01h. G.M.T. 24th January 07h. G.M.T.

IIHC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
333 02	54418	51668	57	60637	20528	8-	01855	28515
334 --	66547	26368	--	03647	26328			
340 02	62528	17568	5-	05638	14368	5-	22657	30368
136 02	73538	17578	62	64626	15568	--	48209	20669
336 --	67309	20369	--	64209	24469			
350 02	62648	50578	62	58526	51468	62	67348	25368
368 62	64535	17368	62	56668	04849	5-	05645	22465
379 --	67309	14469				5-	43328	20368
390 02	61658	16468	62	67327	16478	5-	67118	20368
382 02	62438	12378	52	51736	19468	5-	61648	24868
438 02	85528	22678						
430 02	64438	51478	52	62437	20568	5-	22447	24467
409 62	64627	53568	02	67308	53668	5-	02748	25468

C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
8-	01855	28515	54	02855	26226
			--	02653	10214
5-	22657	30368	54	00753	28213
	48209	20669	5-	08448	25448
			54	01754	28415
62	67348	25368	5-	05647	26367
5-	05645	22465	54	05643	26203
5-	43328	20368	5-	05553	22302
5-	67118	20368	5-	05545	59527
5-	61648	24868	54	00861	26362
			50	01753	28513
5-	22447	24467	50	01663	26313
	02748	25468			

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C$_L$C$_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

LONDON OBSERVATIONS

For the 24 hours ending morning of.....
Day 7h—18h Kew and Croydon, 9h—18h Kensington
0h—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 ...	S,rS,S,r,r	r,r,r,r,m,	r,r,r,r,b,r,m,	Kew 24 hours ended 7h.
Croydon ...	c,m,r,r,S,	m,r,m,r,r	f,r,r,r,r,m	Max. Time
Greenwich ...	r,S,S,r,S	r,S,r,r	r,r,r,r,b,r,m	0·4 2h.24m
Camden Square	c	o		Min. Time
Kensington ...	r	r		0·1 7.24.23
Hampstead ...	r,r,S,r	r,r	r,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							*	*
Croydon ...							*	*
Greenwich ...	42	41	34	9	7	0·0	93	81
Westminster ...	45	35	32	16			93	94
Regents Park ...	44	38	36	11	9		95	83
Camden Square	41	41	31	18		*	*	86
Kensington ...	39	39	35	9	9		91	86
Hampstead ...	37	36	32	6	10		*	9

SECRET

Page 1

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

Sunday 25th January 1942 — No. 29284

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

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)	02·6	−18	SW'W	2	2_o	42	85	37	5	5	2	–	10	10	2500
	Croydon ...	03·2	−18	SW'W	3	2_o	43	85	39	6	5	7	–	2-3	10	3000
	S. Farnborough	03·2	−24	WSW	3	c	42	92	39	7	–	7	–	0	10	–
	Boscombe Down	04·0	−32	WSW	3	c	43	92	41	7	5	2	–	4-6	10	4000
	Thorney Island	04·4	−20	W	3	2_o	45	85	42	6	5	2	–	7-8	10	5700
	Lympne ...	03·7	−18	W'N	3	2_o	44	85	40	6	–	7	–	0	10	–
	Manston ...	02·2	−14	W	3	2_o	43	85	38	5	5	–	–	10	10	3000
2	Shoeburyness ...	03·1	−14	WSW	3	m	43	85	40	4	–	1	–	0	10	–
	Felixstowe ...	01·5	−10	W'S	2	2_o	42	92	42	5	5	–	–	7-8	10	1200
	Gorleston ...	01·5	−16	SE	3	2_o	38	92	85	5	6	–	–	10	10	1200
	Mildenhall ...	01·5	−14	WSW	3	2_o	41	92	39	5	5	–	–	10	10	1800
	Cranwell ...	00·7	−18	SW	3	m	39	92	37	4	5	–	–	10	10	3000
3	Birmingham ...	01·6	−24	S	2	c	40	85	36	6	5	7	–	7-8	10	2500
	Upper Heyford	02·4	−26	SW	3	2_o	39	85	35	6	5	7	–	7-8	10	4000
4	Ross-on-Wye	01·3	−40	SW'W	1	2_o	43	85	38	5	6	2	–	9+	10	1500
5	Hartland Point	01·2	−56	SW	3	$r_o r_o$	45	92	43	6	5	2	–	7-8	10	2000
	Bristol ...	02·5	−42	S	3	c	45	85	41	7	6	2	–	7-8	10	1600
	Portland Bill ...	05·2	−28	WSW	3	c	46	92	44	7	5	–	–	10	10	2500
	Plymouth ...	03·2	−34	SW	4	$r_o r_o$	47	97	46	6	5	–	–	10	10	1000
	The Lizard ...	13·1	−54	SW	5	rf	48	97	48	3	5	–	–	10	10	800
	Scilly (St.Mary's)	02·6	−56	WSW	4	df	50	97	50	3	–	–	–	10	10	1150
	Guernsey ...															
6	Pembroke ...	00·1	−60	S'W	5	$r_o r_o$	46	92	45	5	5	–	–	10	10	1000
7	Holyhead ...	97·6	−54	S	4	$i r_o$	45	92	43	7	5	–	–	10	10	2000
	Chester(Sealand)	99·8	−34	SE	1	2_o	41	85	36	5	–	7	–	0	10	–
8	Manchester ...	00·8	−26	S	3	m/f	39	92	37	4	5	7	–	7-8	10	1500
10	Spurn Head ...	00·0	−20	SEE	4	$d_o d_o$	36	97	35	5	5	–	–	10	10	2500
	Catterick ...	99·4	−24	S	2	2_o	39	85	36	5	5	2	–	9	10	1600
	Tynemouth ...	99·5	−30	SE	4	$d_o d_o$	39	97	38	6	5	–	–	9+	9+	1800
11	St. Abbs Head	97·0	−38	SE	5	m	37	97	34	4	5	–	–	10	10	1000
	Leuchars ...	96·6	−34	SSE	1	2_o	38	97	37	5	5	–	–	10	10	400
12	Renfrew (Abbotsl.)	95·1	−58	ESE	2	cf	38	92	36	3	5	7	–	4-6	10	2500
	Eskdalemuir ...	97·3	−38	–	0	F+	34	92	33	1	–	–	–	10	10	1150
	Point of Ayre...															
13A	Tiree	88·6	−80	SSE	6	RR	43	97	43	6	–	2	–	10	10	800
13B	Stornoway ...	88·5	−78	SSE	6	c	46	85	39	5	5	7	–	7-8	10	2000
15	Dalwhinnie ...	92·8	−72	SSE	5	0	34	97	34	6	5	–	–	10	10	1500
	Aberdeen ...	97·7	−38	SE'S	4	c	37	92	34	6	6	2	–	7-8	10	900
	Wick ...	94·4	−52	SSE	6	2_o	38	92	35	6	5	2	–	9	10	400
16	Sumburgh ...	99·5	−38	SSE	8	rs	35	92	33	6	6	–	–	10	10	900
17	Blacksod Point	89·9	−52	W	8	bc/r	46	92	44	7	2	–	–	2-3	2-3	1500
18	Malin Head ...	85·7	−106	S	4	rr	41	97	41	6	8	–	–	9+	9+	800
	Aldergrove ...	92·5	−78	SSE	4	rr	41	92	39	6	–	2	–	10	10	2500
19	Birr Castle ...	92·1	−82	SSW	3	$i r_o$	48	92	46	7	6	2	–	7-8	10	1500
20	Valentia Obsy.	96·4	−30	WS	6	2_o	54	92	52	6	6	2	–	9+	10	1500
	Roches Point	95·6	−66	S	5	dd	50	97	50	5	5	–	–	10	10	450

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

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)	33·2	−66	SSE	2	rr	41	97	40	5	6	2	–	7-8	10	1500	1	*
	Croydon ...	34·9	−52	S	3	rr	41	97	41	4	–	2	–	10	10	1000	1	*
	S. Farnborough	33·5	−62	SSE	2	rr	42	97	41	4	5	2	–	9+	10	500	1	*
	Boscombe Down	33·7	−52	S	4	rF	44	97	44	1	5	–	–	10	10	150	1	*
	Thorney Island	34·8	−60	S	2	rf	43	97	42	3	–	2	–	10	10	450	1	*
	Lympne ...	36·5	−56	S	1	rf	41	97	41	2	–	–	–	10	10	150	1	3
	Manston ...	35·7	−42	S'W	2	ir	40	85	37	4	5	–	–	10	10	2300	4	*
2	Shoeburyness ...	36·3	−52	WSW	3	$i r_o$	38	97	38	4	–	2	–	10	10	800	1	*
	Felixstowe ...	35·3	−40	SSW	3	m	37	97	35	4	5	–	–	10	10	3700	2	1
	Gorleston ...	35·1	−44	SE'S	4	rf	36	92	33	2	–	–	–	10	10	150	6	5
	Mildenhall ...	33·9	−58	SE	2	ir	39	92	37	5	–	2	–	10	10	2200	1	*
	Cranwell ...	31·8	−40	SSW	2	rf	36	97	36	3	5	–	–	10	10	1700	6	*
3	Birmingham ...	33·0	−50	S	3	rf	39	97	39	3	6	–	–	10	10	450	4	*
	Upper Heyford	32·3	−48	S	3	rF	38	97	38	1	–	2	–	10	10	150	2	*
4	Ross-on-Wye	32·0	−60	SW	3	dd	43	97	42	4	6	–	–	9+	9+	800	1	*
5	Hartland Point	34·9	−6	NW	5	c	49	92	47	7	6	–	–	9+	9+	1500	1	4
	Bristol ...	32·2	−38	SSW	4	dd	47	97	46	5	6	2	–	9	10	700	1	*
	Portland Bill ...	33·2	−24	SW	5	c	49	92	47	7	5	–	–	10	10	2500	1	4
	Plymouth ...	33·2	−14	WNW	6	c/r	53	92	51	6	5	–	7	7-8	10	900	1	4
	The Lizard ...	34·7	−2	WNW	7	c/r	51	97	50	7	8	2	–	7-8	9+	1500	1	5
	Scilly (St.Mary's)	33·6	+2	WNW	6	c	52	97	51	6	8	2	–	7-8	9+	800	1	5
	Guernsey ...																	
6	Pembroke ...	34·5	+22	WN	6	$r_o r_o$	49	85	45	7	8	4	–	4-6	4-6	2500	1	5
7	Holyhead ...	33·6	−6	WNW	7	bc	47	75	39	7	2	–	–	2-3	2-3	2000	2	5
	Chester(Sealand)	33·1	−62	S'E	3	$i r_o$	40	97	38	4	–	2	–	7-8	7-8	2000	6	*
8	Manchester ...	33·6	−58	S'W	4	$r_o r_o$	39	92	37	4	6	2	–	9	10	700	1	*
10	Spurn Head ...	32·1	−44	SE'S	5	rf	35	97	35	2	–	2	–	10	10	800	1	4
	Catterick ...	30·6	−46	SSE	3	rf	35	97	35	3	–	2	–	10	10	100	4	*
	Tynemouth ...	30·3	−46	SSE	5	rr	37	97	37	6	6	–	–	10	10	1500	1	5
11	St. Abbs Head	28·0	−26	SE	7	rr	35	97	35	5	5	–	–	10	10	800	4	4
	Leuchars ...	27·6	−44	SE	6	RR	36	97	34	4	–	2	–	10	10	100	6	*
12	Renfrew (Abbotsl.)	25·9	−42	SE'S	2	$r_o r_o$	36	97	35	4	5	2	–	7-8	10	1200	6	*
	Eskdalemuir ...	27·8	−36	S'W	2	ss	33	97	32	4	–	2	–	10	10	100	9	*
	Point of Ayre...																	
13A	Tiree	30·0	−24	W	6	c/pr	46	85	40	7	8	–	–	7-8	7-8	1500	1	6
13B	Stornoway ...	27·0	−40	SE	8	c/pr	41	97	41	8	8	7	–	7-8	10	1000	1	6
15	Dalwhinnie ...	28·3	−66	SE	5	rs	32	92	32	3	–	–	–	10	10	150	4	*
	Aberdeen ...	29·2	−52	SE'S	5	rs	37	92	34	6	6	2	–	7-8	10	800	9	5
	Wick ...	27·8	−44	SE'S	8	$i r_o$	37	85	34	6	5	–	–	9	10	800	1	*
16	Sumburgh ...	25·2	−26	SE'S	8	s.s	35	92	31	6	5	–	–	10	10	800	1	6
17	Blacksod Point	31·4	+10	W	8	bc/phr	45	65	34	7	9	–	–	4-6	4-6	2500	2	6
18	Malin Head ...	33·6	−4	W	8	p'r	43	85	39	7	3	–	–	7-8	7-8	1500	1	5
	Aldergrove ...	31·5	+6	W'S	4	c	43	85	38	8	8	6	–	7-8	9	2000	2	*
19	Birr Castle ...	34·2	+12	WNW	4	c/pr	44	65	33	8	8	–	–	7-8	7-8	1500		
20	Valentia Obsy.	00·6	+22	WNW	7	c/pr	46	75	39	8	8	–	–	7-8	7-8	2500	1	%
	Roches Point	97·9	+34	WNW	6	bc/pr	48	75	41	8	3	–	–	2-3	2-3	1500	1	*

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 24th (39)	Weather. 13h.—18h. 24th (40)	Weather. 18h. 24th to 1h. 25th (41)	Weather. 1h.–7h. 25th (42)
1	London (Kew)	bc m o	c m o r o r r	c r r $_o$ m $_o$ b	b
	Croydon ...	b m o m c m	b c m o c m o r m	r $_o$ r $_o$ b c m $_o$	c m $_o$ b m $_o$
	S. Farnborough	b b c c	c m o r o m r k	c r r $_o$ m b	b b c b
	Boscombe Down	b c c	c m r f	b m $_o$ b c	b c b
	Thorney Island	b c m o c m $_o$	o r o r o f	c i r $_o$ b	c b c m $_o$ b
	Lympne ...	c m o	c m o o f r	f F F R r m $_o$	b
	Manston ...	c m o	c m o i r o	c i r m b m $_o$ c $_o$	c b z_o b
2	Shoeburyness ...	c m o m o	o m i r o c	c m $_o$ b c m $_o$	c r $_o$ r $_o$ m
	Felixstowe ...	o m o c m	c m o c m	r r m $_o$ f c m $_o$	c i r m c
	Gorleston ...	o i r o m $_o$	o f f o r o r	o f f $_o$ r $_o$ c z_o	c p r o r r
	Mildenhall ...	c m o	c m o c i r	b c m $_o$ c m	c m $_o$ i r $_o$
	Cranwell ...	c m o c m	c m f i r o r $_o$	r r r $_o$ b f $_o$	c r r m $_o$
3	Birmingham ...	b , c	c o r f	f r m c b o r o c b	
	Upper Heyford	b c m o c m $_o$	c m o r r f	r r f b c	b c b
4	Ross-on-Wye	c	r d r m o	b c q b $_o$	b c q
5	Hartland Point	c i r r o r $_o$	r o r o c	c b c c b	b e p $_o$ y
	Bristol ...	c b c c	c d d m o	b p r $_o$ b c q	b c m $_o$ q
	Portland Bill ...	c	o r r c	b c b c	c b c
	Plymouth ...	c m o c r o r o m $_o$	c d d f r o r $_o$	b c c p r $_o$	c p r q b c p
	The Lizard ...	r r f r	r r f f c	c b c c q	c p r b c
	Scilly (St.Mary's)	c r $_o$ o d f	o d f d f c	c p $_o$	c p
	Guernsey ...				
6	Pembroke ...	c o r o r o m $_o$	b c c i r o m q	b c c p r q	p r $_o$ b c q
7	Holyhead ...	c	r r m b c	r o b c b	b b c
	Chester(Sealand)	b , c m $_o$	c m o i r $_o$	c m $_o$ r $_o$ p r $_o$ b	b b c q
8	Manchester ...	c f m	i r $_o$ r r	r $_o$ r $_o$ m $_o$	b c m $_o$
10	Spurn Head ...	d $_o$ d $_o$ o	o f r	o m	o 5 5
	Catterick ...	c c m o	o r r f	c m c m $_o$	c m $_o$ b z_o
	Tynemouth ...	o m c	c m o p o r r	r s r s m	o r $_o$ f r $_o$ f
11	St. Abbs Head	c f r o o m	o m o r r	o s $_o$ r $_o$	o m r s f r s
	Leuchars ...	p r m o r f o m $_o$	o m o R R	R m i d c m $_o$	r o m $_o$ c i R m $_o$
12	Renfrew (Abbotsl.)	b m o c f	c f m r r	r r r o r o q	r o $_o$ r r r m $_o$
	Eskdalemuir ...	b c c f	c o f i r o r s s	o s r s	o r $_o$ f
	Point of Ayre...				
13A	Tiree	o R R	c o r r e p r	c P R q	c p r q
13B	Stornoway ...	c	o R R o r	c P R	c D D i r
15	Dalwhinnie ...	b c o	o r s r s	*	p r s , r r
	Aberdeen ...	c r o r o C	c i r $_o$ s o q	c i r s c	c i r s c
	Wick ...	d $_o$ d o r m $_o$ c	i d o i r o	r $_o$ s m r s	r s c . s h
16	Sumburgh ...	c m o r s . o r s	c r o s h	o m $_o$ s $_o$ s	o m $_o$ s $_o$ s $_o$ m
17	Blacksod Point	r	p r	p r	p r
18	Malin Head ...	r	p r	p r	p r
	Aldergrove ...	i r o r r m $_o$	p r o c	c p r $_o$ c	c r r c
19	Birr Castle ...	r	p r	*	b c
20	Valentia Obsy.	r	p r	p r	p r
	Roches Point	r	p r	p r	p r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 25th January 1942.

Districts.	
1 S.E. England	As 3-6.
2 E. England ...	As 10-11
3 E. Midlands ...	Moderate westnorthwest wind, mainly fair but a few scattered showers; day temperature a little below average; frost in places at night.
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	Fresh or strong squally northwest wind, gale at exposed places; bright intervals, showers with hail and thunder locally; average to rather low temperature.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Coastal area: moderate east to southeast wind, cloudy, some sleet or snow, cold.
11 S.E. Scotland	Inland area as 3-6.
12 S.W. Scotland & Isle of Man	As 7-9
13A W. Scotland ...	
13B N.W. Scotland	Wind variable becoming westerly, strong to gale; cloudy, frequent showers of rain or sleet; hail and thunder locally, rather cold.
14 Mid Scotland	As 7-9.
15 N.E. Scotland	Wind south to southeast strong to gale; cloudy, snow or sleet; cold.
16 Orkneys and Shetlands	As 15.
17 N. W. Ireland	As 7-9.
18 N. E. Ireland	
19 S. E. Ireland	Fresh westnorthwest wind slowly moderating and backing west; long bright periods, occasional showers, cloud increasing later, average temperature
20 S. W. Ireland	

GENERAL INFERENCE

An unusually intense depression and an associated trough lying along the eastern coastal districts of Britain are almost stationary. Weather will be cloudy and cold with snow or sleet today in East Scotland and near the East Coast of England northwards from Norfolk. Over most of England and Ireland there will be long bright periods with occasional showers. In Scotland wind will be of gale force with frequent showers and local thunder.

FURTHER OUTLOOK

Further rain reaching West Ireland and spreading east.

Gale warning issued 0320 22/1 in districts 13A 13B 16, 18 (part of) at 1100 24/1 in districts 7, 8, 11 12, 15, 18 (part of.)

Forecasts issued at 10-30 a.

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

7h. Sunday 25th January. 1942

HIGH

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 $\frac{1}{10}$ mb.

Dew Point °F

Bar. tendency

Low cloud

Weather in past hour

Past weather

Amount of Low cloud

Height of Low cloud

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 25th January

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Sunday 25th January 1942 — No. 29284

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

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 ...	217	30·8	+12	WNW	5	Z_o	41	85	37	6	-	7	-	0	Tr	-
	S. Farnborough	226	32·7	+14	W'N	4	b	40	75	33	8	-	3	-	0	Tr	-
	Boscombe Down	417	34·3	+14	W'N	6	bc	40	86	34	7	5	-	-	2-3	2-3	5700
	Thorney Island	10	33·7	+16	NW	5	b	42	75	35	7	-	-	-	0	0	-
	Lympne ...	346	30·6	+10	WNW	5	bc	40	85	35	7	-	4	-	0	2-3	-
	Manston ...	154	28·7	+12	WNW	4	Z_o	41	75	34	6	5	7	1	7-8	9	5000
2	Shoeburyness ...	11															
	Felixstowe ...	15	27·3	0	WNW	5	Z_o	40	85	36	6	5	-	-	9+	9+	3600
	Gorleston ...	5	25·5	-26	NW'W	4	Z_o	38	92	35	6	8	-	-	9	9	1500
	Mildenhall ...	19	27·7	0	W'N	5	Z_o	40	85	36	6	5	-	-	9	9	3400
	Cranwell ...	240	27·6	+6	WNW	4	S_o	39	85	35	5	5	-	-	10	10	1100
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·1	+6	WNW	6	bc	39	75	32	8	6	3	-	2-3	4-6	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	27·0	-4	WNW	6	bc	46	65	35	8	2	-	-	4-6	4-6	2500
	Bristol ...	209	25·5	+12	W	5	cq	40	85	35	7	5	5	-	4-6	7-8	3500
	Portland Bill ...	32	26·3	+12	NW	5	bc	47	92	45	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	29·8	+10	W'N	8	c/pr	46	85	43	7	8	-	-	9	9	2000
	The Lizard ...	240	01·0	+2	W	7	cq	48	65	38	7	8	6	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	01·7	0	NW'W	7	c/pr	47	85	43	8	5	7	-	4-6	7-8	1200
	Guernsey ...	175															
6	Pembroke ...	142	26·7	+8	W'N	6	cq	45	85	40	7	8	6	-	7-8	9+	2500
7	Holyhead ...	26	31·0	-2	WNW	7	b	43	75	34	8	-	6	-	0	Tr	-
	Chester (Sealand)	16	29·7	-2	W'S	5	b	43	65	33	7	-	-	-	0	0	-
8	Manchester ...	235	29·0	+2	W	5	b	40	75	33	6	4	-	-	1	1	1500
10	Spurn Head ...	29	35·2	-10	WNW	5	m	37	92	35	4	-	2	-	10	10	1500
	Catterick ...	175	26·6	-2	W'N	4	Z_o	40	75	32	6	5	3	-	1	9	6500
	Tynemouth ...	108	26·8	+2	NNW	2	m	35	97	35	4	-	2	-	10	10	1500
11	St. Abbs Head	280	25·2	-8	SE	4	rs	34	97	33	5	5	-	-	10	10	800
	Leuchars ...	36	22·9	-8	ESE	2	Z_o	36	97	36	6	5	-	-	10	10	1200
12	Renfrew (Abbotsl.)	19	23·5	-8	WSW	3	S_o	40	85	35	6	5	-	-	10	10	1200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30															
13A	Tiree	22	26·2	+2	WNW	6	c/pr	42	92	40	7	8	-	-	7-8	7-8	1500
13B	Stornoway ...	80	27·5	-32	SE	8	c/pr	48	97	46	7	8	7	-	7-8	10	1000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	35	*	*	*	*	*	*	*	*	*
	Wick ...	119	22·8	-10	SE	9	rs	35	92	32	5	6	2	-	10	10	900
16	Sumburgh ..	30	21·9	-6	SE	8	$S_o S_o$	29	92	27	5	5	-	-	10	10	700
17	Blacksod Point	18	23·9	+14	W	8	c/phr	44	65	34	7	9	-	-	9+	9+	1500
18	Malin Head ...	84	23·3	+14	NW	8	pr	45	65	35	6	6	-	-	9	9	800
	Aldergrove ...	268	27·6	+2	WSW	5	c	40	75	33	8	5	7	-	7-8	9	3500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21·6	+14	WNW	7	PHR	46	65	36	7	9	-	-	9+	9+	2500
	Roches Point	22	28·6	-6	NW'W	6	bcq	44	85	40	8	3	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 25th January

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)	33·9	+16	W	4	b	39	75	31	7	5	-	-	Tr	Tr	4000	1	*
	Croydon ...	33·3	+12	WSW	4	Z_o	38	85	34	6	-	4	1	0	1	-	1	*
	S. Farnborough	24·8	+16	W	4	b	39	75	32	8	-	-	9	0	1	-	1	*
	Boscombe Down	26·8	+20	WNW	4	bc	38	85	33	6	5	3	-	1	2-3	3000	1	*
	Thorney Island	25·9	+14	NW'N	5	b	40	85	34	7	5	-	-	Tr	Tr	4000	1	*
	Lympne ...	23·0	+10	WNW	5	bc	37	85	32	7	-	4	-	0	2-3	-	1	4
	Manston ...	21·1	+12	W'N	5	bc	38	75	31	7	5	-	-	2-3	2-3	3000	1	*
2	Shoeburyness ...	22·3	+8	W	4	bc	39	85	33	6	5	3	-	2-3	4-6	2500	1	*
	Felixstowe ...	23·0	+14	WNW	6	c	39	75	31	8	5	3	-	4-6	7-8	3700	1	4
	Gorleston ...	18·7	+38	NE	4	$S_o S_o$	38	92	35	5	6	-	-	10	10	1500	1	4
	Mildenhall ...	20·4	+6	W'N	6	$S_o S_o$	38	85	33	6	5	-	-	10	10	7200	1	*
	Cranwell ...	20·8	+22	W	4	$S_o S_o$	38	85	35	5	5	-	-	10	10	1500	6	*
3	Birmingham ...	23·6	+8	WNW	4	b	38	75	32	6	-	7	-	0	Tr	-	4	*
	Upper Heyford	23·4	+20	W'N	6	bc	38	85	32	8	-	4	-	0	2-3	-	6	*
4	Ross-on-Wye	25·4	+14	W	6	bcq	41	65	31	8	8	-	3	2-3	4-6	3000	1	*
5	Hartland Point	00·2	+24	WNW	6	bc	44	55	32	8	2	6	-	4-6	4-6	2500	1	5
	Bristol ...	27·1	+16	WNW	5	bcq	39	85	34	7	5	-	-	2-3	2-3	3500	1	*
	Portland Bill ...	28·6	+30	NW	5	bc	45	92	42	8	5	-	-	4-6	4-6	4000	1	5
	Plymouth ...	01·8	+14	NW'W	4	c/pr	41	92	40	6	3	3	3	4-6	7-8	1500	1	3
	The Lizard ...	03·1	+16	WNW	7	bc	46	75	39	8	8	-	-	4-6	4-6	1500	3	5
	Scilly (St. Mary's)	04·6	+26	NW'N	5	c/pr	44	85	41	7	8	-	-	7-8	7-8	1200	1	5
	Guernsey ...																	
6	Pembroke ...	29·8	+26	WNW	6	bcq	43	75	40	7	2	-	-	2-3	2-3	2500	1	5
7	Holyhead ...	24·3	+14	WNW	7	bc	40	85	35	8	5	-	-	4-6	4-6	3000	2	6
	Chester (Sealand)	23·3	+20	W'S	5	bcq	41	65	31	7	8	3	-	4-6	4-6	1800	4	*
8	Manchester ...	22·0	+16	W'S	4	Z_o	39	75	31	6	4	7	-	2-3	7-8	2500	1	*
10	Spurn Head ...	29·8	+32	E'S	3	ss	32	97	32	5	-	2	-	10	10	1500	7	4
	Catterick ...	29·1	+16	NW	2	Z_o	39	75	32	6	5	-	-	9	9	6000	4	*
	Tynemouth ...	28·8	+14	SSE	6	rs	34	97	33	6	-	2	-	10	10	1500	1	2
11	St. Abbs Head	25·1	-2	SE	6	fr	33	97	33	2	-	-	-	10	10	1150	4	5
	Leuchars ...	22·9	-2	-	0	ir	37	92	35	6	5	-	-	10	10	1100	6	*
12	Renfrew (Abbotsl.)	23·2	-6	W'S	S	rr	40	85	37	5	5	-	-	10	10	1200	6	*
	Eskdalemuir ...	26·0	+2	SW	4	rs	34	92	33	4	-	2	-	10	10	100	9	*
	Point of Ayre ...																	
13A	Tiree	30·2	+34	NW'N	8	c/pr	44	85	39	6	8	-	-	9+	9+	1500	1	7
13B	Stornoway ...	28·6	+12	ESE	6	ir	44	97	44	6	8	2	-	7-8	10	1000	1	4
15	Dalwhinnie ...	28·3	+10	SSE	5	rr	35	85	22	5	5	-	-	10	10	1100	6	*
	Aberdeen ...	29·7	+6	SE'S	6	ip	34	85	31	5	6	2	-	7-8	10	900	6	6
	Wick ...	33·2	+2	SE'S	10	sh	34	85	31	6	5	-	-	10	10	1600	1	*
16	Sumburgh ..	34·0	+12	SE	8	c/s	27	97	27	6	6	2	-	4-6	10	500	8	6
17	Blacksod Point	28·6	+24	W'N	8	bc/phr	44	97	43	8	9	-	-	2-3	2-3	2500	1	6
18	Malin Head ...	27·5	+34	NW	8	phr	44	75	37	5	3	-	-	9+	9+	450	1	7
	Aldergrove ...	30·7	+18	W	5	bc/pr	41	75	33	8	5	-	-	4-6	4-6	2000	1	*
19	Birr Castle ...	33·3	+18	WSW	3	bc	37	85	33	8	5	-	-	2-3	2-3	2500	1	*
20	Valentia Obsy.	26·0	+20	WNW	5	pr	45	75	39	8	3	-	-	7-8	7-8	2500	1	5
	Roches Point	23·4	+20	NW	5	bc/pr	40	75	33	8	3	-	-	2-3	2-3	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 24 hrs. Hrs. (38)
1	London (Kew)	44	39	33	2	2	0·1
	Croydon ...	43	38	32	1	3	0·3
	S. Farnborough	43	39	35	2	1	0·1
	Boscombe Down	44	38	34	·3	0·4	0·0
	Thorney Island	45	39	37	3	1	*
	Lympne ...	44	37	*	1	5	0·0
	Manston ...	43	37	32	0·6	4	0·0
2	Shoeburyness ...	45	37	32	1	4	0·1
	Felixstowe ...	43	36	34	-	8	0·1
	Gorleston ...	38	34	33	0·6	1	*
	Mildenhall ...	43	36	34	0·5	6	0·0
	Cranwell ...	42	35	34	0·6	5	0·7
3	Birmingham ...	42	38	33	3	1	0·0
	Upper Heyford	42	37	32	3	2	*
4	Ross-on-Wye	43	40	34	2	0·5	0·0
5	Hartland Point	50	41	39	2	Tr	0·0
	Bristol ...	47	39	35	2	0·5	0·0
	Portland Bill ...	49	42	*	3	-	*
	Plymouth ...	53	41	38	5	2	0·0
	The Lizard ...	51	31	*	3	1	0·0
	Scilly (St. Mary's)	52	43	*	2	2	0·0
	Guernsey ...						
6	Pembroke ...	51	39	*	3	0·3	0·0
7	Holyhead ...	48	40	*	4	0·1	*
	Chester (Sealand)	43	40	35	4	1	0·0
8	Manchester ...	41	38	35	5	1	*
10	Spurn Head ...	38	30	*	0·3	9	0·0
	Catterick ...	42	34	34	4	2	1·2
	Tynemouth ...	41	34	32	2	11	*
11	St. Abbs Head	41	34	*	5	16	*
	Leuchars ...	38	34	32	6	5	0·0
12	Renfrew (Abbotsl.)	39	35	31	8	5	0·0
	Eskdalemuir ...	40	32	32	6	8	1·0
	Point of Ayre ...			*			
13A	Tiree	46	42	*	10	4	0·0
13B	Stornoway ...	46	41	*	8	6	0·0
15	Dalwhinnie ...	38	32	30	5	5	0·0
	Aberdeen ...	42	34	34	4	2	1·2
	Wick ...	41	34	32	2	11	*
16	Sumburgh ..	38	26	25	2	0·2	0·0
17	Blacksod Point	52	39	*	7	2	*
18	Malin Head ...	48	39	*	6	2	0·0
	Aldergrove ...	44	36	34	10	0·5	0·0
19	Birr Castle ...		36	34		3	0·5
20	Valentia Obsy.	55	40	37	4	1	0·1
	Roches Point	54	*	*	1	3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 24th January ... 18h. G.M.T. | 01h. G.M.T. 25th January ... 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	62	61636	45768	62	03635	45768	62	24636	44968	62	68636	44968
115	57	02884	12427	87	62734	45668	54	14844	79665	52	81844	79886
203				6-	02838	08468	6-	62838	-----	6-	22828	19568
206	53	02864	12326	52	62746	12468	52	02856	49628	5-	83758	43828
210	52	02737	11628	62	62734	43568	54	01853	46823	5-	02857	43867
220				61	64736	15767	62	03646	21668			
230	57	02845	12128	9-	27747	18487	9-	81638	51788	5-	64648	55868
245	5-	52628	13658	62	64525	13668	6-	68538	47778			
260	52	05556	00048	5-	62648	08248	80	25764	56484	02	62788	53668
278	02	62758	13268	87	25856	23387	8-	25852	58787	5-	22858	56788
279	51	05644	17228	62	64548	10168	8-	81748	22418	8-	81748	55588
285	5-	05638	32228									
288	5-	57338	14148	02	64448	13368	5-	45258	00068	51	05664	18268
575	62	54638	47468	8-	02845	57688	80	01853	59783	30	25853	59783
301	52	05556	20348	52	64424	16468	00	00790	58880	23	25755	59787
321	5-	47368	00048	02	67318	18268	53	05654	59464	5-	62648	26468
299	5-	52648	10458	62	62648	12468	30	62648	12268	5-	23548	10898
292	5-	05538	00028	--	67209	13269	5-	02868	24365	5-	02868	26388
310												
614	02	03520	24228	02	67368	18268	50	25655	60489	51	02654	59425

13h. G.M.T. 24th January ... 18h. G.M.T. | 01h. G.M.T. 25th January ... 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-	60638	14428	54	22753	57663	00	00790	57781	5-	01735	59714
334	--	02646	02317	--	64647	28638						
340	5-	02778	20228	02	62428	16468	50	00862	58312	50	01763	59313
136	5-	08428	24223	--	67109	18259	5-	05677	24567	6-	68635	30368
336	57	02756	20328	62	64526	16568						
350	57	05662	18328	62	62425	14228	07	00890	57602	57	00763	58403
368	52	22745	21368	57	22546	57667	5-	02656	24426	54	05643	59423
379	07	05688	24328	--	57109	16369	50	00763	58603	53	00753	57504
390	57	05575	24428	02	67358	17268	00	00790	59610	50	00751	59501
382	52	05685	00028	02	67318	12368	50	00763	25583	86	25842	57583
438	52	02663	24418							07	01864	59614
430	52	08465	22328	02	64448	18168				40	00862	61912
399	52	54515	18468	61	02635	57657	8-	81747	57717	8-	26755	60885

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
$C_L C_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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{ 2/6 per month; 6/6 per quarter; 25/- per year.

LONDON OBSERVATIONS

For the 24 hours ending morning of... 25th January
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 ...	beam.	cm.or rr	crr.m.b	Kew 24 hours ended 7h. Max. Time 0·3 8-17 24h
Croydon ...	bm.cm.cm.	cm.rr.m	cm.b.m.	
Greenwich ...	cm	crrm	rr.cb.x.m.	
Camden Square	c	or		
Kensington ...	cro	or		Min. Time 20·1 0-7h 25h
Hampstead ...	bc	or.x.bc	bc	

Stations.	Temperature. Day Max °F	Temperature. Night Min °F	Min on grass °F	Rainfall. Day mm	Rainfall. Night mm	Sunshine to sunset hrs Yesterday	Humidity. 15h % Yesterday	Humidity. 9h % To-day
Kew ...	44	39	33	2	2	0·1	*	*
Croydon ...	43	38	32	1	3	0·3	*	*
Greenwich ...	45	37	30	0·5	3	0·0	83	75
Westminster ...	44	37	31	4			80	80
Regents Park ...								
Camden Square	44	38	31	3	1	*	*	77
Kensington ...	44	39	34	0·5	3		91	71
Hampstead ...	42	40	31	2	3		*	82

SECRET

Page 1

BRITISH SECTION

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

Monday 26th January 1942

No. 29285

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

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)	97.3	+10	WNW	4	z₀	44	55	30	6	7	4	3	4-6	7-8	1500
	Croydon ...	97.4	+10	WNW	4	c	44	45	25	6	5	4	-	9+	9+	1200
	S. Farnborough	98.5	+10	WNW	6	bc	45	55	29	9	1	3	6	4-6	4-6	3000
	Boscombe Down	00.2	+12	W'N	6	b	43	65	33	8	1	-	-	1	1	2000
	Thorney Island	99.5	+12	WNW	5	b	45	65	34	8	1	-	-	Tr	Tr	2500
	Lympne ...	99.7	+22	WNW	5	z₀	42	75	34	6	5	-	-	7-8	7-8	2500
	Manston ...	96.0	+20	NNW	4	ir₀	40	75	31	6	5	3	-	9+	10	3500
2	Shoeburyness ...	96.9	+8	WNW	4	ir₀	43	75	36	8	5	-	-	9	9	800
	Felixstowe ...	95.9	+28	ENE	2	rs	31	92	28	5	5	-	-	10	10	800
	Gorleston ...	96.5	+24	SE'E	3	iso	29	85	24	6	6	-	-	10	10	2200
	Mildenhall ...	94.8	+14	W	4	ir₀	40	85	35	7	5	-	-	10	10	1500
	Cranwell ...	93.9	+6	WNW	4	c/r	40	85	36	7	5	2	-	7-8	10	1500
3	Birmingham ...	97.0	+10	W	4	bc	43	55	28	7	5	7	-	4-6	4-6	2500
	Upper Heyford	97.2	+18	W	6	bc	42	65	31	7	5	-	-	4-6	4-6	4000
4	Ross-on-Wye	99.1	+12	W'N	5	bcq	44	55	29	8	1	-	-	2-3	2-3	3000
5	Hartland Point	04.0	+12	WNW	6	c	45	65	34	8	2	6	1	4-6	7-8	2000
	Bristol ...	01.2	+12	WSW	5	c	44	65	32	8	7	-	-	7-8	7-8	2000
	Portland Bill ...	01.3	+14	WNW	5	bc	46	85	42	8	1	-	-	2-3	2-3	4000
	Plymouth ...	05.6	+10	WNW	5	c/pr	46	85	41	7	2	-	-	7-8	7-8	2500
	The Lizard ...	07.2	+12	NW	7	bc	45	65	35	8	8	7	-	4-6	4-6	2500
	Scilly (St. Mary's)	08.3	+14	NW'N	6	c/pr	47	65	37	8	8	6	3	4-6	7-8	1200
	Guernsey ...															
6	Pembroke ...	02.6	+8	NNW	6	bcq	45	75	35	7	8	-	-	4-6	4-6	2500
7	Holyhead ...	97.0	+10	WNW	8	b	44	65	34	8	5	4	-	Tr	1	2500
	Chester (Sealand)	95.9	+10	WSW	6	bc	44	65	31	8	2	6	-	1	2-3	2000
8	Manchester ...	95.2	+10	W'S	5	c	42	75	33	7	2	6	-	9	9	2500
10	Spurn Head ...	92.9	0	SSE	4	s₀s₀	31	97	31	4	8	-	-	10	10	1500
	Catterick ...	90.6	+6	WSW	3	ir₀	39	75	34	8	5	7	-	7-8	9+	2800
	Tynemouth ...	89.1	0	W	4	m	38	97	38	4	-	2	-	10	10	1200
11	St. Abbs Head	83.4	-12	W	6	c	41	75	33	7	8	7	-	7-8	10	2000
	Leuchars ...	82.2	+6	WSW	4	c	39	85	35	9	5	7	-	4-6	9+	1500
12	Renfrew (Abbotsl.)	86.8	+14	W	5	pr	41	75	35	7	8	-	-	10	10	1400
	Eskdalemuir ...	87.4	+14	W	5	o/r	37	85	33	6	5	-	-	10	10	800
	Point of Ayre ...															
13A	Tiree	87.7	+34	NW'N	8	c	44	65	34	7	8	-	-	9	9	1500
13B	Stornoway ...	78.2	+50	NW	5	c	40	97	40	7	8	7	-	7-8	10	800
15	Dalwhinnie ...	84.8	+ 6	SW	5	rr	37	85	34	7	5	-	-	10	10	1500
	Aberdeen ...	85.5	-2	SE'S	6	ss	32	92	31	5	6	2	-	7-8	10	800
	Wick ...	85.4	+6	SE	10	ss	31	97	31	4	-	-	-	10	10	1150
16	Sumburgh ...	96.8	+16	SE	8	is₀	25	97	24	6	5	2	-	10	10	900
17	Blacksod Point	02.7	+18	W'N	7	cq	44	75	37	8	9	-	-	9	9	2500
18	Malin Head ...	93.5	+26	NW	8	PHR	41	75	34	7	3	-	4	4-6	7-8	1500
	Aldergrove ...	95.7	+16	WNW	6	phr	41	65	29	8	3	6	3	4-6	7-8	1800
19	Birr Castle ...	02.7	+6	WNW	3	bc	44	65	33	8	5	-	-	4-6	4-6	2500
20	Valentia Obsy.	08.7	+10	NW'W	5	cjp	47	65	36	8	2	1	3	9+	9+	2500
	Roches Point	06.9	+14	WNW	5	bc	43	75	36	8	3	-	5	2-3	4-6	1500

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

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)	00.1	+16	WNW	4	z₀	41	65	29	6	5	-	-	4-6	4-6	2500	1	*
	Croydon ...	99.8	+16	WNW	4	c	41	75	33	6	5	7	-	4-6	7-8	1800	1	*
	S. Farnborough	00.8	+20	W'N	5	b	40	65	29	8	-	-	-	0	0	-	1	*
	Boscombe Down	02.0	+10	W	5	b	39	75	32	7	-	-	-	0	0	-	1	*
	Thorney Island	02.0	+14	WNW	4	b	41	85	36	7	-	-	-	0	0	-	1	*
	Lympne ...	00.0	+14	WNW	4	z₀	37	75	29	6	4	6	-	Tr	1	2000	1	4
	Manston ...	98.1	+10	NNW	4	z₀	40	65	29	5	5	-	-	2-3	2-3	6000	1	*
2	Shoeburyness ...	99.0	+22	W'N	2	bc	41	65	32	6	5	4	-	2-3	4-6	4000	1	*
	Felixstowe ...	96.5	+2	WNW	5	z₀	40	65	31	6	5	-	-	9+	9+	2000	1	3
	Gorleston ...	96.3	-4	SW	1	s₀s₀	32	85	31	4	6	-	-	10	10	1500	7	5
	Mildenhall ...	96.2	+10	W	5	c	39	75	31	7	5	-	-	9+	9+	1500	1	*
	Cranwell ...	95.3	+14	W'N	5	z₀	40	75	33	6	5	3	-	7-8	9+	3000	4	*
3	Birmingham ...	99.2	+14	WSW	3	b/pr	37	85	33	5	5	-	-	Tr	Tr	2500	4	*
	Upper Heyford	99.0	+14	W	4	bc	39	75	30	7	5	3	-	2-3	4-6	2500	1	*
4	Ross-on-Wye	01.2	+10	W	5	bq	41	65	29	8	3	-	3	1	1	3000	1	*
5	Hartland Point	05.3	+10	WNW	6	bc	44	65	34	8	2	6	-	4-6	4-6	1800	1	5
	Bristol ...	03.0	+6	W	5	b	39	85	34	7	5	-	-	Tr	Tr	2500	1	*
	Portland Bill ...	04.1	+14	WNW	5	bc	45	85	40	8	4	-	-	2-3	2-3	4000	1	5
	Plymouth ...	07.4	+12	NW'W	4	bc/pr	43	85	40	7	8	-	-	4-6	4-6	2000	1	4
	The Lizard ...	08.5	+6	WNW	6	bc	45	65	35	8	8	6	-	4-6	4-6	1500	1	5
	Scilly (St. Mary's)	09.3	+12	NW'N	5	c	44	85	38	8	8	6	3	4-6	7-8	1000	1	5
	Guernsey ...																	
6	Pembroke ...	04.8	+8	WNW	5	bcq	44	75	37	8	2	4	-	2-3	4-6	3000	1	4
7	Holyhead ...	99.7	+10	WNW	7	bc	42	75	34	8	2	4	-	2-3	4-6	2500	1	6
	Chester (Sealand)	98.1	+10	W	5	bc	41	65	31	6	8	4	-	2-3	4-6	2000	4	*
8	Manchester ...	96.8	+14	W'N	6	bc	40	65	29	6	2	-	-	4-6	4-6	2900	1	*
10	Spurn Head ...	92.7	0	W'N	6	c	37	75	30	6	-	2	-	9+	9+	1500	6	4
	Catterick ...	91.3	+12	W'N	5	c	41	65	30	7	5	7	-	4-6	9+	2500	8	*
	Tynemouth ...	88.2	-2	W	6	z₀	41	75	32	6	8	-	-	7-8	7-8	1500	1	5
11	St. Abbs Head	84.6	+10	W	7	cq	40	65	31	7	5	7	-	7-8	9+	1500	4	5
	Leuchars ...	83.7	+14	WSW	6	c	42	65	31	8	5	-	-	9+	9+	3200	2	*
12	Renfrew (Abbotsl.)	89.2	+24	WNW	6	pr	41	75	35	8	9	-	-	9	9	1600	4	*
	Eskdalemuir ...	89.2	+10	W'N	6	c	37	75	29	6	5	-	-	9	9	1100	6	*
	Point of Ayre ...																	
13A	Tiree	92.3	+20	NNW	7	c	45	75	38	7	8	-	-	9	9	1500	0	7
13B	Stornoway ...	85.4	+50	ENE	5	c	36	92	33	7	5	7	-	4-6	9+	1000	1	2
15	Dalwhinnie ...	84.2	+10	SW	5	rr	36	85	32	6	5	-	-	10	10	1500	4	*
	Aberdeen ...	86.1	+16	SE'E	6	ss	31	92	29	4	6	2	-	7-8	10	800	7	6
	Wick ...	89.6	+50	SE'E	10	sf	27	97	27	1	-	-	-	10	10	1150	8	*
16	Sumburgh ...	01.1	+28	SE	8	ss	24	97	22	4	-	2	-	10	10	400	8	7
17	Blacksod Point	04.9	+16	WNW	6	cq	42	75	35	7	9	-	-	9	9	2500	1	5
18	Malin Head ...	96.8	+22	NW	6	c	42	85	38	8	9	-	2	4-6	7-8	1500	1	7
	Aldergrove ...	98.3	+20	WNW	5	pr	39	75	32	8	3	6	3	4-6	4-6	2000	1	*
19	Birr Castle ...	04.3	+6	NW	2	bc	39	85	35	8	5	-	-	4-6	4-6	2500	1	
20	Valentia Obsy.	10.0	+10	NNW	5	pr	43	75	36	8	3	-	1	9	9+	2500	1	3
	Roches Point	08.5	+18	WNW	4	bc/pr	42	85	38	8	3	-	-	4-6	4-6	1500	1	*

PAST 24 HOURS.

District	Stations (For heights see p. 4.)	Weather. 7h.—13h. 25th... (39)	Weather. 13h.—18h. 25th... (40)	Weather. 18h. 25th. to 1h. 26th. (41)	Weather. 1h.—7h. 26th... (42)
1	London (Kew)	bbcczo	cybczo	bczob	b
	Croydon ...	bcmoczo	czo	czobzo	bbccx
	S. Farnborough	bbcy	bcyb	b	b
	Boscombe Down	bcb	b, bc	b	b
	Thorney Island	bbcb	bc, b	bmob	b
	Lympne ...	bbczo	clbcbzo	bzob	bbcx
	Manston ...	bbczo	rorobczo	bcbzo	bbcczo
2	Shoeburyness ...	bcmociro	cirobcmo	bcmocmo	bcmo
	Felixstowe ...	croso	croso iromo	cmoirobmo	ciroso
	Gorleston ...	OSoSomo	oli irs	oroSoc	cbcpso
	Mildenhall ...	croro	ciroc	bbc	bcc
	Cranwell ...	ciromoiroc	c	c, bbczo	bczocmo
3	Birmingham ...	bbc	bc	bbc	bc
	Upper Heyford	bc	bc	bcbbc	bbcbc
4	Ross-on-Wye	bcq bq	pobcq	bcqpob	bc
5	Hartland Point	bcc	cphbc	bcc	bc
	Bristol ...	cq pro	bcb	bq, bq	bq
	Portland Bill ...	bc	bcb	bc	bbc
	Plymouth ...	bcpro	cprobc	bc	bcc
	The Lizard ...	prhbc	cbc	bcc	bcco
	Scilly (St. Mary's)	cpbrob	cpoqc	cpoc	cbc
	Guernsey ...				
6	Pembroke ...	bcq	bcq	bcq	bcq
7	Holyhead ...	bcb	cphrbc	bcbc	bcc
	Chester (Sealand)	bcq zoby	bcq pr. bc	bczoproc	bcqprc
8	Manchester ...	pro	bczo	bczo	bczoc
10	Spurn Head ...	ass	o	cbc	bccsh
	Catterick ...	roro ciro	c	ccirc	cphosh
	Tynemouth ...	oiRsom	c	cpo	cq
11	St. Abbs Head	omrscl	cq	cqropqrs	iscqsh
	Leuchars ...	iRrrmoc	c	roroshmo	cshmroshc
12	Renfrew (Abbotsl.)	croropro	cpro	cmopso	ocmobc
	Eskdalemuir ...	orsro	ciro	c	cproc
	Point of Ayre ...				
13A	Tiree	cpr	decpro	cprbc	
13B	Stornoway ...	cirdd	cddddo	cSoSo	c
15	Dalwhinnie ...	orr	orr		ops
	Aberdeen ...	cssq	cssqqm	csqmqq	oiso
	Wick ...	shfssm	ossf	srsp	SoSo
16	Sumburgh ...	csoiso	omoSoSo	oisc	c
17	Blacksod Point	bc	bc	bc	bc
18	Malin Head ...	c	pr	c	bc
	Aldergrove ...	bcqpro	probcpro	phoropbcphoropro	
19	Birr Castle ...	bc	pr	*	b
20	Valentia Obsy.	pr	pr	pr	bc
	Roches Point	pr	pr	pr	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 26th January

Districts	
1 S.E. England 2 E. England ..▲ 3 E. Midlands ... 4 W. Midlands	Moderate northeast winds veering southeast and decreasing temporarily; occasional snow at first, fair intervals later, but snow showers near east coast; very cold; frost day and night.
5 S.W. England 6 South Wales	Variable wind finally southeast, moderate, clear intervals, sleet or snow locally; becoming very cold with frost day and night.
7 North Wales 8 N.W. England 9 N. Midlands ...	Light or moderate southeast wind; fair; very cold; frost day and night.
10 N.E. England ▼ 11 S.E. Scotland	Moderate southeast wind; snow showers; cold; frost day and night.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate southeast wind freshening; cloudy; snow locally; frost day and night.
16 Orkneys and Shetlands 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Variable winds; clear intervals; snow locally later; cold; frost at night

GENERAL INFERENCE

A depression over East Anglia is moving south-southeast and filling up and an anticyclone is expected to develop over the Southern North Sea or Low Countries.

Very cold weather will return to most districts and there will be snow locally near the east coast and perhaps in the Southwest.

FURTHER OUTLOOK

Continuing very cold in the East and Southeast. Possibly becoming somewhat milder in the North west; further snow in Scotland.

▼Gale warnings issued 20.30 25.1.42 in district 10 (part of); ▲ issued 05.15 and 07.52, 26.1.42 in district 2.

Forecasts issued at 10.30 G.M.T.

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

7h. Monday 26th January 1942.

10° 5°W. 0° 5°E. 10°

60° 55° 50°

LOW HIGH LOW HIGH

1002 1004 1006 1008 1010 1012

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

Bar. tendency

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

Height of Low cloud

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

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 26th January.

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ○ Clear sky. ◔ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. ○ Rain falling. ✱ Snow. ✱ Sleet. △ Hail. Fog. ≡ Mist. ≡ Thunder. (Ʒ) Thunderstorm. Ʒ 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 26th January 1942 — No. 29285

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

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	*	*	*	*	*	37*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	00·8	+4	WNW	4	b	37	85	32	7	-	-	-	0	0	-
	S. Farnborough	226	01·9	+2	W'S	5	b	36	75	31	7	-	-	-	0	0	-
	Boscombe Down	417	03·2	+2	WNW	5	b	37	85	32	8	-	-	-	0	0	-
	Thorney Island	10	03·1	+2	NW	4	b	37	92	35	8	-	-	-	0	0	-
	Lympne ...	346	01·1	+2	NW	5	b	35	85	30	7	-	-	-	0	0	-
	Manston ...	154	99·1	+4	W	5	zo	36	75	30	6	-	-	-	0	0	-
2	Shoeburyness ...	11															
	Felixstowe ...	15	97·8	+6	W'N	5	zo	37	75	31	6	5	-	-	Tr	Tr	4000
	Gorleston ...	5	96·0	0	W	3	zo	36	85	32	6	-	7	-	0	7-8	-
	Mildenhall ...	19	97·1	+4	W'S	5	bc	36	85	31	7	-	7	-	0	2-3	-
	Cranwell ...	240	95·5	+2	W	5	zo	39	75	32	6	5	3	-	4-6	7-8	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	00·8	+6	W	3	b	36	85	31	8	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	06·7	+6	NW	5	c	43	65	31	8	2	6	-	4-6	7-8	2500
	Bristol ...	209	04·0	+6	WNW	6	bq	38	85	33	7	8	-	-	1	1	3000
	Portland Bill ...	32	04·5	+4	W	5	bc	43	92	41	8	2	-	-	4-6	4-6	4000
	Plymouth ...	82	07·6	+2	NNW	5	bc	42	85	38	8	4	-	8	Tr	4-6	2500
	The Lizard ...	240	09·4	+6	NW	5	c	45	65	34	8	8	6	-	7-8	7-8	1500
	Scilly (St.Mary's)	163	10·2	+4	NNW	4	c	45	75	38	8	8	6	6	4-6	7-8	1200
	Guernsey ...	175															
6	Pembroke ...	142	06·3	+2	WNW	7	bcq	44	65	34	8	2	-	-	2-3	2-3	4000
7	Holyhead ...	26	01·5	+6	WNW	7	bc	40	75	33	8	2	-	-	2-3	2-3	2000
	Chester(Sealand)	16	99·0	+4	WN	6	c/pr	42	65	32	7	2	-	-	4-6	7-8	3200
8	Manchester ...	235	98·0	+2	W	5	bc	39	65	30	6	2	-	-	4-6	4-6	2500
10	Spurn Head ...	29	92·7	0	WN	7	bc	39	75	37	7	2	4	-	2-3	4-6	4000
	Catterick ...	175	92·3	+2	WNW	4	c/r	40	75	31	7	5	-	-	9+	9+	3600
	Tynemouth ...	108	88·6	+8	NW	5	c/pr	39	75	28	7	8	-	-	7-8	7-8	2500
11	St. Abbs Head	280	93·1	+70	NE	7	rs	31	97	31	5	5	-	-	10	10	1500
	Leuchars ...	36	98·1	+118	E	7	sh	31	85	27	6	8	-	-	9+	9+	1000
12	Renfrew (Abbotsl.)	19	98·1	+74	NNE	4	c/ps	33	85	29	6	8	-	-	10	10	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30															
13A	Tiree	22	99·5	+50	NNW	6	bc	41	85	36	8	8	-	-	2-3	2-3	2500
13B	Stornoway ...	80	01·0	+38	ESE	5	c	34	92	33	8	1	6	-	4-6	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	31	*	*	*	*	*	*	*	*	*
	Wick ...	119	03·6	+42	ESE	6	sc.sc.	26	92	24	5	-	-	-	10	10	1150
16	Sumburgh ..	30	07·3	+22	SE	5	c	23	92	21	7	8	-	-	8	9	1800
17	Blacksod Point	18	07·7	+8	WNW	5	bcq	41	75	34	8	3	-	-	4-6	4-6	2500
18	Malin Head ...	84	01·5	+26	NNW	7	bc	44	65	33	8	2	-	-	4-6	4-6	2500
	Aldergrove ...	268	01·4	+14	WNW	4	bc/pr	39	75	32	8	3	-	3	2-3	2-3	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	10·6	+2	NE'N	1	c	42	85	38	9	1	-	6	1	7-8	2500
	Roches Point	22	09·7	+6	WNW	4	bc	41	85	37	8	5	-	5	1	2-3	1800

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

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)	00·6	0	W	4	zo	39	65	30	6	5	-	-	9+	9+	1500	1	*
	Croydon ...	01·0	+2	W'S	3	c	37	85	32	7	5	4	-	4-6	7-8	5000	3	*
	S. Farnborough	01·7	-6	W'N	4	b	37	75	29	8	-	3	-	0	Tr	-	1	*
	Boscombe Down	03·3	+2	W'N	5	b	36	92	33	8	-	-	1	0	1	-	1	*
	Thorney Island	03·4	+2	NW	3	b	38	85	33	7	5	-	1	Tr	1	4000	1	*
	Lympne ...	01·3	+2	WNW	4	zo	36	85	31	6	5	-	-	9+	9+	3500	1	5
	Manston ...	99·0	+2	W'N	5	zo	37	75	27	6	5	3	-	2-3	7-8	6000	1	*
2	Shoeburyness ...	99·9	0	W'S	4	c	37	85	32	6	-	3	-	0	3	-	1	*
	Felixstowe ...	97·2	-2	W	4	rs	39	65	29	7	5	-	-	10	10	3000	1	4
	Gorleston ...	95·9	+2	W	3	c/s	38	85	33	6	8	-	-	10	10	1500	6	4
	Mildenhall ...	96·4	0	W'N	5	c	39	75	30	7	5	-	-	9	9	3800	1	*
	Cranwell ...	98·3	+30	NW	6	zo	38	92	33	6	5	-	-	9+	9+	2000	4	*
3	Birmingham ...	01·8	+20	NNW	5	bcq	37	85	33	6	8	-	-	4-6	4-6	1500	4	*
	Upper Heyford	00·1	-8	WNW	6	pr	37	85	31	6	5	-	-	7-8	7-8	3000	6	*
4	Ross-on-Wye	03·8	+4	W'N	4	bc	40	65	30	8	5	-	-	4-6	4-6	3000	1	*
5	Hartland Point	08·1	+12	NW	6	bc	43	65	31	8	2	-	-	2-3	2-3	2500	1	5
	Bristol ...	04·6	+2	NW'W	5	b	37	85	32	7	5	7	-	Tr	Tr	3000	1	*
	Portland Bill ...	05·5	+4	NW	5	bc	43	85	38	8	5	-	-	4-6	4-6	4000	1	
	Plymouth ...	08·6	+6	NW	3	c	42	85	38	7	4	-	7	Tr	10	2500	1	3
	The Lizard ...	10·1	+10	NW	4	o	44	65	34	7	5	-	-	10	10	1500	1	4
	Scilly (St.Mary's)	10·6	+6	NNW	3	bc	43	75	36	8	8	-	-	4-6	4-6	1500	1	4
	Guernsey ...																	
6	Pembroke ...	07·8	+6	NW'W	6	bcq	43	85	37	8	-	4	-	0	2-3	-	1	5
7	Holyhead ...	05·5	+26	N	4	iro	39	85	36	6	5	-	-	9+	9+	2000	1	
	Chester(Sealand)	04·6	+46	NNW	4	c	37	75	29	7	2	-	-	10	10	2300	1	*
8	Manchester ...	03·4	+58	NW'N	4	zo	35	75	27	6	4	-	-	9	10	2500	1	*
10	Spurn Head ...	08·7	+64	ENE	8	sh	28	97	26	6	8	-	-	7-8	7-8	2500	4	5
	Catterick ...	05·5	+58	NNE	4	sh	29	85	26	6	5	-	-	10	10	1700	4	*
	Tynemouth ...	05·9	+70	NE	6	cq	30	85	29	7	8	-	-	9	9	2500	3	
11	St. Abbs Head	07·2	+54	E	5	sh	29	92	26	5	5	2	-	7-8	10	1500	4	5
	Leuchars ...	07·6	+36	E	4	sh	31	85	27	7	5	-	-	10	10	1800	8	*
12	Renfrew (Abbotsl.)	07·7	+42	NE'E	2	c	31	85	28	7	5	-	-	4-6	10	2000	1	*
	Eskdalemuir ...	07·2	+40	NE	3	o	27	75	18	6	5	-	-	10	10	1100	8	*
	Point of Ayre...																	
13A	Tiree																	
13B	Stornoway ...	05·3	+22	SSE	3	c	35	92	32	7	5	2	-	7-8	10	1500	1	1
15	Dalwhinnie ...	08·3	+28	SW	3	ps.	25	92	21	7	5	2	-	4-6	10	2500	4	*
	Aberdeen ...	09·0	+36	SE'E	3	iso	31	*	28	5	5	-	-	10	10	1200	7	3
	Wick ...	08·4	+20	SE	4	sc.s.	27	92	25	5	5	-	-	7-8	10	1700	3	*
16	Sumburgh ..	10·2	+12	SSE	2	c	25	65	18	7	8	-	-	7-8	7-8	2500	8	5
17	Blacksod Point	09·6	+10	WNW	3	b	40	75	33	8	4	-	-	1	1	4000	0	3
18	Malin Head ...	06·3	+28	NNW	5	c/pr	43	85	39	8	5	-	-	7-8	7-8	4000	1	6
	Aldergrove ...	07·7	+36	-	0	pr	35	92	34	8	8	-	-	9	9	1800	1	*
19	Birr Castle ...	09·1	+18	NW	1	b	33	92	31	8	-	-	-	0	0	-	1	
20	Valentia Obsy.	11·1	+10	E'S	1	bc	38	85	34	8	5	4	1	2-3	4-6	4000	1	2
	Roches Point	11·2	+18	N'W	3	bc	39	85	35	8	5	-	-	4-6	4-6	2500	1	

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F.	Min. Night 18h–7h °F	Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Rainfall. Night 18h–7h mm.	Sunshine 25th Hrs.
1	London (Kew)	45	37	30	-	-	4·8
	Croydon ...	45	36	30	-	Tr	5·9
	S. Farnborough	46	35	32	-	-	7·3
	Boscombe Down	44	36	32	-	-	5·6
	Thorney Island	45	36	33	-	-	*
	Lympne ...	43	34	*	5	-	4·2
	Manston ...	42	36	31	0·3	-	0·9
2	Shoeburyness ...	45	36	30	Tr	-	2·5
	Felixstowe ...	40	37	33	1	Tr	0·0
	Gorleston ...	38	28	27	3	4	*
	Mildenhall ...	43	36	31	1	-	0·0
	Cranwell ...	42	35		1	-	
3	Birmingham ...	43	35	32	0·6	0·2	5·3
	Upper Heyford	42	35	28	Tr	-	*
4	Ross-on-Wye	45	37	31	Tr	0·2	6·5
5	Hartland Point	45	41	40	0·2	-	2·4
	Bristol ...	44	36	32	Tr	-	3·0
	Portland Bill ...	48	40	*	-	-	*
	Plymouth ...	47	40	33	Tr	0·2	3·9
	The Lizard ...	47	40	*	0·5	1	5·5
	Scilly (St.Mary's)	48	43	*	0·5	Tr	3·5
	Guernsey ...						
6	Pembroke ...	50	40		-	-	4·4
7	Holyhead ...	45	38	37	0·2	0·2	*
	Chester(Sealand)	45	37	34	Tr	0·5	4·5
8	Manchester ...	43	34	33	0·6	0·3	*
10	Spurn Head ...	39	28	*	8	-	0·0
	Catterick ...	42	29	*	0·2	Tr	
	Tynemouth ...	41	30	29	12	0·2	*
11	St. Abbs Head	42	28		16	0·3	
	Leuchars ...	42	30	29	4	1	0·0
12	Renfrew (Abbotsl.)	42	30				0·1
	Eskdalemuir ...	39	26	25	4	0·2	0·0
	Point of Ayre...			*			
13A	Tiree	46		*	0·4		
13B	Stornoway ...	45	32	*	2-	0·1	0·0
15	Dalwhinnie ...	39	24	23	12	0·2	0·0
	Aberdeen ...	34	25	25	9	2	0·0
	Wick ...	35	25	26		2*	
16	Sumburgh ..	29	21	18		0·1	0·0
17	Blacksod Point	46	37		1	1	
18	Malin Head ...	45	33	*	0·3	0·3	0·0
	Aldergrove ...	42	34	31	0·1	0·6	3·8
19	Birr Castle ...	45	31	26	1	-	3·3
20	Valentia Obsy.	47	37	30	1	0·1	2·8
	Roches Point	46		*	0·6	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 25th January .. 18h. G.M.T. — 01h. G.M.T. 26th January .. 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	--	37109	43979	--	37209	43879	5-	03538	44678	50	01543	12423
115	52	72636	79388									
503	6-	02826	24628									
206	62	64745	43578	52	02856	45468	02	72548	43778	52	02755	10478
210	02	77238	44978	--	74309	41779	51	02547	41678	51	01744	10325
220	82	27645	27988	52	43455	23828						
230	9-	88638	57788	62	22646	62668	87	02855	37687	5-	02868	08218
245	62	68527	12678	02	62638	22178	6-	72538	41778	62	72546	08478
260	59	05645	22567				51	78745	35668	5-	02868	10278
278	87	14847	59787	80	02856	58586				8-	02857	32387
279	87	10855	57687	5-	02746	56586	54	02856	65428	5-	01863	04423
285										6-	71637	04477
288				54	02867	23627	55	05656	55527	5-	71558	38578
575	3-	27845	61685	30	25843	61583	20	00852	28412	20	00852	28482
301	26	05654	59726	20	05653	60703	40	01754	59804	40	05653	02483
321	07	05690	56467	57	02755	58525				5-	05648	63648
299	8-	70348	12678	5-	05658	23428	51	01753	22414	5-	22748	04768
292	57	02856	24587	5-	02866	24526	87	81825	24587	5-	02858	02488
310	57	05642	58626									
614	53	02746	59527	53	01753	59583	2-	02755	24625	4-	02756	57556

13h. G.M.T. 25th January .. 18h. G.M.T. — 01h. G.M.T. 26th January .. 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
333	23	01853	57714	2-	14855	26715	2-	01854	59714	8-	01855	59615
334												
340	53	02864	59525	50	00842	26382	54	01864	59314	2-	25755	64485
136	02	72438	13378	07	61690	24578	57	02965	23766	5-	02857	28657
336										57	02655	28517
350	57	02754	56515	80	10754	57524	50	00762	57522	53	21755	24526
368	84	00842	57703	50	81745	57515	50	00790	26480	00	00790	28400
379	70	08853	57513	50	00851	24411	00	00790	57500	50	81755	24685
390	54	02745	59616	40	01762	57512	50	00761	57501	5-	02757	59617
382	76	01852	57613	54	01861	23461	50	00861	22321	5-	02765	25515
438	50	01773	24613							50	00761	28601
430	10	01863	49413	00	00790	59410	00	00790	26400	50	01763	20204
409	20	01854	62615	50	02855	61585	2-	02855	28585	8-	02754	62588

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C_L C_M = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

For the 24 hours ending morning of 26th January.
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 ...	bbccz$_o$	cybcz$_o$	bcz$_o$b	Kew 24 hours ended 7h. Max. Time
Croydon ...	bcmcz$_o$	cz$_o$	cz$_o$b$_c$x	
Greenwich ...	bc	cby	bcy	
Camden Square	bc	bc	*y	
Kensington ...	bc	bc	*	0·1 7-24h on 25th
Hampstead ...	bc	bc	c	Min. Time
				0·1 2-5h on 26th

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	45	37	30	-	-	4·8	*	*
Croydon ...	45	36	30	-	Tr	5·9	*	*
Greenwich ...	45	36	28	-	-	2·7	54	57
Westminster ...	46	36	31	-			53	63
Regents Park ...								
Camden Square	45	35	30	-	-	*	*	66
Kensington ...	45	36	31	-	-		59	60
Hampstead ...	43	34	28	*	-		*	69

SECRET

Page 1

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

Tuesday 27th January 1942

No. 29286

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	11·8	+56	N'E	4	ct	29	63	18	6	8	-	-	9+	9+	1500
	Croydon ...	10·8	+60	NNW	5	c/s	28	85	24	5	5	-	-	10	10	2000
	S. Farnborough	11·5	+58	N'E	4	c	31	63	22	7	5	-	-	10	10	3000
	Boscombe Down	12·0	+46	NNE	4	z$_o$	33	75	25	6	5	-	-	9	9	3000
	Thorney Island	09·6	+50	N	5	c	34	75	25	7	5	-	-	9+	9+	2500
	Lympne ...	09·2	+66	NNW	7	z$_o$	27	85	24	6	5	-	-	10	10	700
	Manston ...	08·7	+82	N	6	sh	27	85	21	5	5	-	-	10	10	2000
2	Shoeburyness ...	10·4	+70	N	5	rs	27	75	21	6	5	-	-	10	10	1900
	Felixstowe ...	10·4	+90	NE'N	5	s$_o$s$_o$	25	85	19	5	5	-	-	10	10	1200
	Gorleston ...	10·4	+54	NE	6	s$_o$s$_o$	25	85	19	5	6	-	-	10	10	1200
	Mildenhall ...	12·0	+62	NNE	4	s$_o$s$_o$	26	85	22	6	5	-	-	4-6	9+	1200
	Cranwell ...	13·3	+50	NNE	3	s$_o$s$_o$	26	92	25	5	5	2	-	9	10	1800
3	Birmingham ...	13·6	+38	NE	3	c	29	75	23	6	8	-	-	9	9	1500
	Upper Heyford	12·3	+50	NE'N	5	sh	29	85	26	6	5	-	-	9	9	2500
4	Ross-on-Wye	12·4	+34	NE	3	z$_o$	31	65	24	6	5	-	-	7-8	7-8	3500
5	Hartland Point	12·1	+20	N	4	bc	43	75	37	8	7	4	-	4-6	4-6	3000
	Bristol ...	12·1	+38	N	4	c	36	65	26	7	5	-	-	7-8	7-8	2500
	Portland Bill ...	10·2	+22	NW	4	bc	42	92	40	8	2	-	-	4-6	4-6	4000
	Plymouth ...	12·3	+14	NNW	4	bc	46	75	38	8	1	-	-	4-6	4-6	3000
	The Lizard ...	12·7	+12	NNW	2	bc	49	65	38	8	2	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	13·5	+14	NNE	2	bc	47	65	38	8	7	-	-	2-3	2-3	1800
	Guernsey ...															
6	Pembroke ...	12·6	+14	NE	4	bc	45	85	40	8	2	4	3	4-6	4-6	2600
7	Holyhead ...	12·2	+26	ENE	4	b	38	75	31	8	-	3	-	0	1	-
	Chester (Sealand)	13·1	+30	ENE	2	z$_o$	34	55	21	6	5	3	-	2-3	9+	3000
8	Manchester ...	13·4	+30	NE	3	z$_o$	30	92	28	5	2	-	3	4-6	4-6	3000
10	Spurn Head ...	12·8	+58	NE	4	c	27	97	23	7	5	7	-	7-8	9+	1800
	Catterick ...	14·5	+26	NNE	1	ps	29	92	27	6	2	-	-	4-6	4-6	2500
	Tynemouth ...	14·1	+24	E	5	is$_o$	28	92	25	7	6	-	-	10	10	1500
11	St. Abbs Head	13·3	+18	S	5	c/s	25	92	22	7	5	2	-	7-8	9+	1500
	Leuchars ...	13·0	+18	S	2	c/s	29	85	25	7	5	-	-	9+	10	2500
12	Renfrew (Abbotsl.)	12·8	+18	SE'S	1	c/s	33	85	29	6	5	-	-	4-6	10	1800
	Eskdalemuir ...	13·4	+14	SE'S	1	is$_o$	27	75	19	7	5	-	-	10	10	1200
	Point of Ayre...															
13A	Tiree	08·7	+14	S	3	bc	34	85	30	8	8	-	-	4-6	4-6	2500
13B	Stornoway ...	07·5	+2	SW	3	c	39	92	38	8	5	7	-	4-6	9+	2000
15	Dalwhinnie ...	11·5	+12	S	4	is$_o$	26	92	23	7	5	2	-	9	10	2500
	Aberdeen ...	13·4	+8	SSE	3	is$_o$	27	92	24	5	6	1	-	4-6	10	1600
	Wick ...	10·9	+4	SSE	4	ps	29	92	26	6	8	-	-	10	10	1800
16	Sumburgh ...	11·7	-2	S	3	c/ps	29	85	26	8	8	-	-	9	9	3500
17	Blacksod Point	11·6	+4	SE	1	bc	46	75	40	8	4	-	-	2-3	2-3	4000
18	Malin Head ...	09·7	+8	N	2	gip	45	55	31	8	3	-	-	7-8	7-8	1500
	Aldergrove ...	12·2	+16	SE'S	1	c	38	85	35	7	8	-	-	9	9	2500
19	Birr Castle ...	12·6	+6	SW	1	b	47	65	37	8	-	-	-	0	0	-
20	Valentia Obsy.	12·5	+2	SSE	4	b	48	68	38	9	5	-	1	Tr	Tr	4000
	Roches Point	13·2	+4	N	2	b	46	75	40	8	-	-	-	0	0	-

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

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)	18·6	+38	N'E	3	z$_o$	27	55	14	6	5	-	-	7-8	7-8	2500	1	*
	Croydon ...	18·4	+38	NE	4	z$_o$	25	75	19	5	5	-	-	Tr	Tr	2000	3	*
	S. Farnborough	18·7	+42	NE	2	c	27	65	21	7	5	-	-	7-8	7-8	4000	3	*
	Boscombe Down	18·8	+38	ENE	3	z$_o$	28	85	22	6	8	-	-	9	9	2500	1	*
	Thorney Island	18·0	+40	NNE	3	z$_o$	29	75	21	6	5	-	-	7-8	7-8	2000	1	*
	Lympne ...	18·4	+46	N	3	s$_o$s$_o$	25	92	22	5	5	-	-	10	10	1000	8	§4
	Manston ...	18·4	+54	NE'N	4	c/s	27	75	21	5	5	-	-	10	10	2000	4	*
2	Shoeburyness ...	18·1	+38	NNE	4	is$_o$	26	75	19	6	5	-	-	9	9	2500	3	*
	Felixstowe ...	18·8	+34	NE'N	4	c/s	25	75	17	7	5	-	-	9	9	4000	4	4
	Gorleston ...	18·6	+30	NE	4	c	23	92	20	6	6	-	-	10	10	4000	4	4
	Mildenhall ...	19·3	+42	ENE	2	b	23	85	19	7	4	3	-	Tr	4-6	2500	3	*
	Cranwell ...	19·3	+38	E	1	z$_o$	19	97	19	6	4	-	-	Tr	Tr	3500	4	*
3	Birmingham ...	18·9	+32	E	2	z$_o$	27	75	21	5	5	-	-	4-6	4-6	1500	4	*
	Upper Heyford	18·1	+30	NE	3	c	26	85	20	7	4	4	-	7-8	7-8	3000	3	*
4	Ross-on-Wye	18·5	+26	ESE	1	fg	28	75	21	6	5	-	-	1	1	3000	3	*
5	Hartland Point	15·4	+22	NE	3	bc	38	75	30	8	2	4	-	1	2-3	2000	1	4
	Bristol ...	18·4	+24	NE	1	z$_o$	28	75	21	6	5	-	-	Tr	Tr	3000	3	*
	Portland Bill ...	17·0	+22	NE	4	bc	31	85	28	8	2	-	-	4-6	4-6	4000	1	4
	Plymouth ...	16·4	+30	N	3	b	41	75	35	7	1	-	-	Tr	Tr	3000	0	3
	The Lizard ...	15·7	+20	NNE	2	bc	42	85	38	8	8	4	-	2-3	4-6	2500	0	3
	Scilly (St. Mary's)	15·4	+14	E	2	bc	43	75	36	8	1	4	-	Tr	2-3	1800	1	3
	Guernsey ...																	
6	Pembroke ...	15·7	+10	E	3	bc	39	65	29	8	2	4	1	1	2-3	3000	1	3
7	Holyhead ...	15·1	+18	ENE	1	c	35	75	29	8	5	3	-	2-3	7-8	5000	1	3
	Chester (Sealand)	17·8	+34	SE'E	2	m	30	65	21	4	-	-	-	0	0	-	1	*
8	Manchester ...	18·4	+30	SSE	3	z$_o$	28	97	28	5	8	-	-	9	9	6000	3	*
10	Spurn Head ...	18·7	+24	NE	2	c	26	97	23	7	8	2	-	7-8	10	1500	3	4
	Catterick ...	18·7	+20	S'E	2	z$_o$	25	97	24	6	5	3	-	2-3	9+	3000	7	*
	Tynemouth ...	17·5	+16	S	4	c	23	92	26	7	5	-	-	7-8	7-8	2000	4	4
11	St. Abbs Head	14·9	+4	S	4	c	26	85	25	6	5	2	-	7-8	10	1500	4	4
	Leuchars ...	14·5	+10	SSW	1	z$_o$	31	75	25	6	5	-	-	10	10	1800	1	*
12	Renfrew (Abbotsl.)	14·2	+10	S'E	2	m	34	85	29	4	5	-	-	10	10	2500	2	*
	Eskdalemuir ...	16·3	+14	SW	1	o	26	85	20	6	5	-	-	10	10	900	8	*
	Point of Ayre...	15·4	+12	S'W	5	bc	35	75	28	7	5	4	-	2-3	4-6	4000	0	4
13A	Tiree	10·1	+4	S'E	1	bc	36	97	-	8	5	-	-	2-3	2-3	2500	0	4
13B	Stornoway ...	08·7	0	SSW	3	c	41	92	38	7	5	7	-	4-6	9+	2500	1	2
15	Dalwhinnie ...	13·6	+6	S	2	c	28	85	24	7	5	7	-	7-8	9+	2500	4	*
	Aberdeen ...	13·6	-2	SW	3	c	28	85	24	6	6	3	-	2-3	9+	1500	8	4
	Wick ...	10·2	-6	S	4	c	32	85	29	8	5	3	-	7-8	9	3100	7	*
16	Sumburgh ...	10·2	-14	SSW	4	c	32	85	29	8	8	-	-	9	9	2500	8	4
17	Blacksod Point	10·6	-4	SSE	3	bc	43	75	37	8	4	-	4	1	4-6	4000	0	3
18	Malin Head ...	11·0	+6	S	1	bc	40	75	34	8	2	-	-	2-3	2-3	5700	1	5
	Aldergrove ...	13·8	+4	SSE	2	bc	34	92	33	7	5	4	-	2-3	4-6	3000	1	*
19	Birr Castle ...	13·2	+2	SSE	1	b	36	85	32	8	-	-	-	0	0	-	1	*
20	Valentia Obsy.	12·0	0	SE'S	5	c	45	75	39	9	5	-	-	9+	9+	4000	1	3
	Roches Point	14·6	+10	S'E	3	bc	44	75	38	8	5	-	5	1	2-3	2500	1	

PAST 24 HOURS.

District	Stations (For heights see p. 4.)	Weather. 7h.—13h. 26th (39)	Weather. 13h.—18h. 26th (40)	Weather. 18h. 26th to 1h. 27th (41)	Weather. 1h.—7h. 27th (42)
1	London (Kew)	cz$_o$s$_o$z$_o$	cbcz$_o$y	bcbzox	bccz$_o$
	Croydon ...	ci$_o$iso	cmobs$_o$	bmobmx	cmobzx
	S. Farnborough	b,eyc	c	cbmox	bmocmx
	Boscombe Down	bcc	c	bcx	bcx,c
	Thorney Island	bbcc	ccmo	cmobmbbc	bccmoc
	Lympne ...	bcxcz$_o$	cs$_o$s$_o$mo	cmos$_o$s$_o$	cbmcmo
	Manston ...	shmo	shs$_o$s$_o$z$_o$	is$_o$s$_o$s$_o$	cmobc
2	Shoeburyness ...	ci$_o$s$_o$mo	cps$_o$ci$_o$s$_o$mo		cmo
	Felixstowe ...	cs$_o$s$_o$mo	cps$_o$mo	cps$_o$cm	cmob
	Gorleston ...	o$_o$s$_o$s$_o$q	o$_o$s$_o$s$_o$qx	ocxz$_o$	cbcbcx
	Mildenhall ...	cs$_o$s$_o$	cps$_o$bc	cbcb	cbccmo
	Cranwell ...	cmos$_o$s$_o$	cmos$_o$c	bcbmo	bmo,cmo
3	Birmingham ...	bc	cbc	bmocmo	bbcz
	Upper Heyford	cmo,ciso	csh$_o$s$_o$bc	cpsbmo	bmocmo
4	Ross-on-Wye	pbcc	cbccb	bzo	bbcc
5	Hartland Point	bc	bcbbc	bcbbc	bcc
	Bristol ...	bprsqc	cbcmo	bmo	bccmo
	Portland Bill ...	bc	bc	c	c
	Plymouth ...	bmobc	bcb	bmo	cmo
	The Lizard ...	bc	bc	c	cro$_o$ro$_o$
	Scilly (St. Mary's)	bcabc	bcb	bbcc	cro$_o$ro$_o$
	Guernsey ...				
6	Pembroke ...	qbc	bc	bccqmo	crrqmo
7	Holyhead ...	civsb	bcc	bcmo	bccmo
	Chester (Sealand)	bczob	c,bzoz	bmmox	bxcbcmo
8	Manchester ...	czobc	bccmo	bmo	b,c
10	Spurn Head ...	c	c	b	c
	Catterick ...	gs$_o$f$_o$psbc	cmo	cmobmo	bmocmo
	Tynemouth ...	oqivs	oisoc	cbcmo	bcmo
11	St. Abbs Head	shs,eq	mqsc	c	qmoiso
	Leuchars ...	shs$_o$c	cs$_o$s$_o$cmo	cmo	cmo$_o$s$_o$mo
12	Renfrew (Abbotsl.)	s$_o$s$_o$is$_o$mo	mois$_o$	cmmo	isomo$_o$s$_o$
	Eskdalemuir ...	s$_o$s$_o$	cis$_o$o	omo	omo
	Point of Ayre...		bcbc	bbccz	cprd$_o$
13A	Tiree	prdc	bc	c	corrd
13B	Stornoway ...	ppr	c	cpr	cpr rr
15	Dalwhinnie ...	oiso	oc		
	Aberdeen ...	ocis$_o$	cssz$_o$	czo	ciso
	Wick ...	is$_o$ps$_o$s$_o$	cps$_o$c	cmo	cmo
16	Sumburgh ...	cps$_o$c	c	c	cir$_o$c
17	Blacksod Point	bc	bc	pr	r
18	Malin Head ...	c	bc	c	c
	Aldergrove ...	prcbcc	bc	bcbcmo	rotoido
19	Birr Castle ...	b	bc	*	bc
20	Valentia Obsy.	bc	bc	r	r
	Roches Point	b	b	r	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 27th January, 1942.

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ...	Freshening S.E. to S. wind veering S.W. cloud increasing, slight snow later, turning to rain, very cold at first, temperature rising above freezing later.
4 W. Midlands	As 8-12.
5 S.W. England	Fresh or strong S-SW wind, cloudy, rain at times, rather mild.
6 South Wales 7 North Wales	Fresh S. wind, gale on coast veering S.W. later; cloudy with rain or sleet at first, snow on hills, rain or drizzle later, temperature rising to the seasonal average.
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 S-SW. wind, gale on coasts, cloudy, some snow at first turning to rain later; cold becoming milder.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Wind S.W. fresh or strong, gale on coasts, cloudy, rain at times, average temperature.
16 Orkneys and Shetlands	As 13A - 15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Strong S.W. winds, gale locally, veering westerly later. Cloudy with occasional rain. Some bright intervals later. Average temperature or rather mild.

GENERAL INFERENCE

Pressure is high to S.E. of the British Isles and low near Iceland. A trough of low pressure immediately to west of the British Isles will move across the country causing rain in the west and snow in Central and Eastern districts. The snowfall in the South-east will be slight and will turn to rain later. S. to S.W. gales will occur on the western and northern coasts.

FURTHER OUTLOOK

Cloudy with rain at times. Rather mild in the S.W. Average temperature elsewhere. ♦ Gale warning issued at 2015h on 26:1:42. in district 13B. issued at 0215h on 27:1:42. in districts 6, 7, 8, 12, 13A, 17, 18, 19, 20. issued at 0815h on 27:1:42. ~~in districts 10, 11, 15, 16~~

Forecasts issued at 10.30h. G.M.T.

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

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

7h. TUESDAY 27th JANUARY 1942.

LOW

HIGH

STATION MODEL

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

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 27th January

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Tuesday 27th January 1942 — No. 29286

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

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	*	*	*	*	*	22	*	*	*	*	*	*	*	*	*
	Croydon ...	217	22·4	+4	NE'N	1	m	19	92	17	4	–	4	1	0	1	–
	S. Farnborough	226	22·4	+4	ESE	1	zo	21	85	18	5	–	–	–	0	0	–
	Boscombe Down	417	21·7	–2	SE	3	b	22	75	18	7	–	–	–	0	0	–
	Thorney Island	10	22·0	+6	NE	1	bc	24	85	20	8	5	3	–	4-6	4-6	4000
	Lympne ...	346	23·3	+10	ESE	4	zo	21	85	16	6	5	–	–	10	10	2100
	Manston ...	154	23·3	+14	SSE	3	o/s	23	85	20	6	5	–	–	10	10	2000
2	Shoeburyness ...	11															
	Felixstowe ...	15	22·6	+10	NE	1	zo	25			6	5	–	–	9+	9+	3500
	Gorleston ...	5	22·3	+6	–	0	zo	23	92	20	6	5	–	–	9+	9+	1500
	Mildenhall ...	19	22·0	+2	SE'S	2	b	21	85	17	7	–	–	1	0	Tr	–
	Cranwell ...	240	21·3	+2	S'E	2	zo	20	97	19	6	–	4	–	0	Tr	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·4	–2	SE	1	zo	22	92	18	6	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17·4	+2	ESE	4	bc	30	75	23	7	–	6	–	4-6	4-6	5700
	Bristol ...	209	21·3	+2	–	0	zo	22	92	21	6	–	–	–	0	0	–
	Portland Bill ...	32	19·7	–4	NE	4	c	31	85	28	8	2	–	–	7-8	7-8	4000
	Plymouth ...	82	19·4	+2	E	2	o	32	92	31	7	5	–	–	10	10	3500
	The Lizard ...	240	17·3	0	SE	6	c	42	85	38	7	8	2	–	7-8	10	1500
	Scilly (St.Mary's)	163	15·8	–6	SSE	4	c	45	75	36	8	8	7	3	4-6	9+	1200
	Guernsey ...	175															
6	Pembroke ...	142	17·1	–6	SE	7	zo	36	75	30	6	8	2	–	4-6	10	2500
7	Holyhead ...	26	15·1	–8	SSE	6	zo	34	75	27	6	–	–	5	0	4-6	–
	Chester(Sealand)	16	18·1	–10	SE	4	zo	27	92	24	6	–	4	1	0	2-3	–
8	Manchester ...	235	19·4	–6	SSE	4	b	25	92	21	7	–	–	–	0	0	–
10	Spurn Head ...	29	20·7	0	SSW	4	b	25	97	24	7	–	–	–	0	0	–
	Catterick ...	175	18·6	–10	S	3	zo	25	85	22	5	–	–	–	0	0	–
	Tynemouth ...	108	16·6	–12	S	5	zo	27	92	25	5	5	–	–	2-3	2-3	2500
11	St. Abbs Head	280	12·2	–20	SSW	4	c	29	75	22	7	5	2	–	7-8	10	1500
	Leuchars ...	36	11·8	–18	SW	4	zo	33	85	30	6	5	–	–	10	10	2000
12	Renfrew (Abbotsl.)	19	12·0	–16	S	4	zo	35	85	30	5	5	7	–	10	10	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	14·2	–16	S	6	zo	38	85	34	6	8	1	–	7-8	9	2000
13A	Tiree	22	05·8	–30	S	5	c	42	92	40	7	5	–	–	9	9	1800
13B	Stornoway ...	80	02·9	–38	SSW	7	c/pr	43	85	39	7	5	7	–	7-8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*
	Wick ...	119	06·6	–14	SSW	3	c	33	97	33	6	5	2	–	2-3	10	4000
16	Sumburgh ...	30	05·5	–22	SSW	3	o	38	85	35	8	5	–	–	10	10	2500
17	Blacksod Point	18	04·2	–32	S'E	6	c/pr	45	85	41	7	9	–	–	9	9	2500
18	Malin Head ...	84	04·9	–30	S	5	c	40	75	33	8	8	–	–	7-8	7-8	4000
	Aldergrove ...	268	10·7	–30	S'E	3	zo	36	85	33	6	5	3	6	2-3	9+	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	08·5	–22	SSE	5	r.r.o.	47	92	45	5	5	2	–	4-6	10	800
	Roches Point	22	12·0	–22	S	6	ir	46	85	42	7	6	2	–	7-8	9+	1500

OBSERVATIONS at 7 hr. G.M.T. 27th January

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)	20·5	–12	SE	4	zo	25	65	15	6	5	–	–	9+	9+	2500	3	*
	Croydon ...	21·6	–4	SSE	4	zo	22	75	14	5	5	4	2	2-3	7-8	2500	3	*
	S. Farnborough	20·1	–14	SE'S	4	zo	26	75	19	6	5	–	–	10	10	2200	3	*
	Boscombe Down	18·1	–28	SSE	5	o	29	92	27	7	5	–	–	10	10	1300	3	*
	Thorney Island	20·6	–10	SE'E	4	c	29	85	26	7	5	–	1	9+	9+	2600	3	*
	Lympne ...	23·0	–8	SSE	5	zo	21	85	17	6	–	–	6	0	9	–	8	5
	Manston ...	22·7	–12	S	5	c	21	75	16	7	–	–	6	0	9	–	4	*
2	Shoeburyness ...	22·3	–6	SSE	4	c	22	75	16	6	–	4	2	0	9	–	3	*
	Felixstowe ...	22·2	–10	SSW	5	bc	23	65	12	7	5	–	5	1	2-3	2500	4	4
	Gorleston ...	22·3	+8	SWS	5	zo	24	75	15	6	8	–	–	4-6	4-6	2500	5	4
	Mildenhall ...	20·8	–10	S	5	zo	24	85	19	6	5	7	–	9	10	2500	3	*
	Cranwell ...	17·3	–26	S	6	zo	23	97	23	5	5	–	–	9+	9+	3000	1	*
3	Birmingham ...	16·2	–24	S	3	zo	23	85	19	5	5	–	–	9	9	2500	4	*
	Upper Heyford	18·3	–22	S	4	zo	25	97	23	6	5	–	–	10	10	1300	3	*
4	Ross-on-Wye	15·7	–34	SSE	4	c	29	75	22	6	5	–	–	9	9+	2500	3	*
5	Hartland Point	11·7	–32	SSE	5	c	36	85	33	7	5	2	–	7-8	10	1500	3	4
	Bristol ...	16·4	–34	SSE	4	zo	29	92	28	6	5	–	–	9+	9+	3000	3	*
	Portland Bill ...	17·4	–18	S	5	c	36	85	33	7	5	–	–	10	10	4000	1	4
	Plymouth ...	15·0	–28	S	4	do.do.	41	85	36	6	5	–	–	10	10	2500	1	3
	The Lizard ...	13·4	–24	SE	5	r.r.o.	42	97	42	7	5	–	–	10	10	1000	1	5
	Scilly (St.Mary's)	10·7	–28	S	5	r.r.o.	47	97	47	6	5	2	–	7-8	10	800	1	5
	Guernsey ...																	
6	Pembroke ...	11·1	–30	SSE	7	rr	41	97	40	6	8	2	–	7-8	10	1500	1	5
7	Holyhead ...	08·2	–40	S'E	8	iD	36	85	32	6	5	–	–	10	10	2000	1	6
	Chester(Sealand)	12·1	–38	SE	4	zo	28	92	25	6	5	–	–	10	10	6400		*
8	Manchester ...	13·5	–42	S'E	6	c	26	92	22	7	–	7	–	0	10	–	3	*
10	Spurn Head ...	17·4	–20	SW	5	c	24	97	24	7	5	–	–	9	9	2500	3	4
	Catterick ...	12·7	–38	S'E	3	zo	25	85	22	6	5	–	–	10	10	3000	8	*
	Tynemouth ...	11·1	–32	SSW	6	zo	26	92	23	5	2	–	–	4-6	4-6	2500	3	4
11	St. Abbs Head	05·8	–42	SW	6	is.	29	97	29	6	5	2	–	7-8	10	1500	4	4
	Leuchars ...	05·2	–42	SSW	5	s.s.	31	97	31	5	5	–	–	10	10	1400	8	*
12	Renfrew (Abbotsl.)	04·2	–46	ESE	3	rs	34	92	32	6	5	1	–	9+	10	1000	4	*
	Eskdalemuir ...	07·9	–40	S'E	3	o	25	75	19	6	5	–	–	10	10	500	8	*
	Point of Ayre...	06·3	–44	SSW	6	d.d.	36	92	33	6	6	2	–	7-8	10	1000	1	5
13A	Tiree	9·5·0	–52	SSW	6	o/d	43	97	42	6	5	–	–	10	10	800	1	6
13B	Stornoway ...	91·6	–68	S	8	rr	42	97	42	6	5	2	–	9	10	1000	1	7
15	Dalwhinnie ...	01·7	–44	SSE	5	is.	32	92	31	5	5	–	–	10	10	1500	4	*
	Aberdeen ...	02·6	–46	SW	4	is.	33	85	30	5	–	2	–	10	10	1400	3	4
	Wick ...	98·7	–50	SSW	5	zo	37	85	32	6	5	1	–	2-3	10	1400	7	*
16	Sumburgh ...	00·4	–30	SSW	2	c/r	40	92	38	7	5	7	–	7-8	9+	1500	6	4
17	Blacksod Point	96·1	–46	S	6	rr	48	97	48	6	6	–	–	10	10	800	2	5
18	Malin Head ...	95·1	–46	S	6	c	43	85	39	7	9	–	–	9	9	1500	0	4
	Aldergrove ...	01·6	–54	S	5	o/d	41	92	39	6	5	–	–	10	10	900	1	*
19	Birr Castle ...	02·4	–34	S	4	c	46	92		8	5	–	–	9	9	2500	1	
20	Valentia Obsy.	03·6	–30	SSW	5	ir.	50	92	48	7	5	2	–	7-8	10	1500	1	3
	Roches Point	05·4	–22	SW	4	c/d	48	97	48	7	5	–	–	9+	9+	800	1	*

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 26th Hrs. (38)
1	London (Kew)	40	22	11	Tr	–	0·1
	Croydon ...	39	19	16	Tr	–	0·3
	S. Farnborough	39	21	15	–	–	0·3
	Boscombe Down	38	21	18	–	–	1·5
	Thorney Island	40	22	17	–	–	*
	Lympne ...	38	18		Tr	Tr	0·0
	Manston ...	39	18		0·1	0·1	
2	Shoeburyness ...	39	21	19	Tr	–	0·5
	Felixstowe ...	39	23	21	0·1	Tr	0·4
	Gorleston ...	38	22	18	11	–	*
	Mildenhall ...	39	20	12	Tr	–	0·3
	Cranwell ...	36	16	7	0·1	–	1·2
3	Birmingham ...	37	21	19	–	–	0·0
	Upper Heyford	40	20		Tr	–	*
4	Ross-on-Wye	40	23	18	Tr	–	1·5
5	Hartland Point	45	29	27	–	–	5·4
	Bristol ...	41	20	14	Tr	–	3·7
	Portland Bill ...	45	27	*	–	–	*
	Plymouth ...	47	31	27	–	–	7·3
	The Lizard ...	50	39	*	–	1	7·9
	Scilly (St.Mary's)	48	40	*	1	1	7·7
6	Pembroke ...	46	33	*	–	0·5	5·4
7	Holyhead ...	40	32	24	Tr	–	*
	Chester(Sealand)	37	26	26	–	–	2·6
8	Manchester ...	38	24	21	–	–	*
10	Spurn Head ...	31	23	*	3	–	0·5
	Catterick ...	36	23	22	1	–	0·5
	Tynemouth ...	30	26	24	0·4	–	*
11	St. Abbs Head	26	26	*	1	Tr	*
	Leuchars ...	38	30	26	1	0·3	0·0
12	Renfrew (Abbotsl.)	34	33	32		0·3	0·0
	Eskdalemuir ...	28	25	23	Tr	–	0·1
	Point of Ayre...	40	35	*	–	Tr	1·8
13A	Tiree	44	36	*	1	2	2·6
13B	Stornoway ...	41	39	*	Tr	2	2·0
15	Dalwhinnie ...	28	27	24	0·2	0·2	0·0
	Aberdeen ...	29	27	24	0·5	Tr	0·0
	Wick ...	32	31	27	Tr	Tr	*
16	Sumburgh ...	32	32	29	Tr	0·1	0·8
17	Blacksod Point	48	41	*	–	4	*
18	Malin Head ...	46	43	35	0·2	Tr	0·0
	Aldergrove ...	40	33	30	0·5	1	2·3
19	Birr Castle ...	49	34	27	–	–	5·8
20	Valentia Obsy.	48	45	42	Tr	6	6·5
	Roches Point	48		*	–	4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 26th Jan. ... 18h. G.M.T. — 01h. G.M.T. 27th Jan. ... 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
109	8-	83547	14477	4-	02744	15584	01	51690	18328	50	01844	18524
115							51	02844	20487	52	02844	12387
203	5-	88846	16526	6-	81848	16588						
206	57	02866	10277	53	02865	26226	52	02755	24427	5-	61758	51478
210	57	05656	47427	83	01863	14224	51	05664	17327	5-	22768	12368
220				80	01754	15204						
230	52	23846	10178	87	61746	12178	50	02854	18458	5-	62538	18568
245	52	74428	12478	62	13655	20278	52	02655	20328	02	72448	20228
260	5-	23758	00078	52	05667	17267	57	05564	16527	5-	23668	18478
278	57	02865	12326	52	02758	10328	5-	61758	46568	02	54638	47668
279	53	02864	09386	5-	05658	18228	5-	05664	14425	02	09668	14328
286	6-	72628	08278	02	72638	08378				5-	05628	04328
288	86	01754	10374	5-	05665	12285	57	05565	51517	57	05574	50428
575	10	01852	14103	10	01851	14213	5-	02848	14428	5-	02848	47558
301	5-	02777	06327	00	08490	10200	00	05590	13400	02	05690	13618
321	51	23654	38475	80	05656	00014	00	05690	18210	57	05655	18415
299	53	23744	04574	50	01755	14315	50	01751	22212	50	05653	22513
292	21	20944	48275	50	00753	15183	00	08490	15110	5-	05568	14318
310												
614	2-	20555	37385				00	05590	14201	07	05590	51308

13h. G.M.T. 26th Jan. ... 18h. G.M.T. — 01h. G.M.T. 27th Jan. ... 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	00	00990	02310	00	17690	12203	00	17690	12503	52	26843	14628
334	--	02753	30314	--	01762	02303						
340				04	05690	12101	03	08490	14401	5-	71668	47518
136	9-	83548	04588	4-	02767	06287	00	00890	14212			
336	70	02755	32415	54	01743	04414				--	77209	04479
350	2-	05647	34587	7-	05666	09376	07	05590	12201	5-	05647	15427
368	10	01853	32313	04	05590	08301	00	05590	12401	52	05545	14328
379	5-	02758	02488	50	00752	02312	00	05690	17300	5-	21648	16558
390	50	23655	63575	40	01742	04482	04	05690	10113	50	05661	14315
382	5-	71758	01428	8-	02754	06324	00	05690	12200	5-	05658	12428
438	8-	01628	-----									
430	5-	02857	65527	50	05654	02424	5-	05666	06116	5-	05664	45524
409	20	01854	32514	10	00851	05212	50	05653	10513	02	58648	48768

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C_L C_M = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

For the 24 hours ending morning of 27th Jan.
Day 7h–18h Kew and Croydon, 9h–18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	cz.is.z.	c.bcz.y	bz.cz.	Kew 24 hours ended 7h. Max. Time
Croydon ...	o/r.is.	cm.bs.	bmxbzx	
Greenwich ...	cis.	cis.b	bbcx	0·2 19-24h 26th
Camden Square	c	bc		Min. Time
Kensington ...	cbc	bcc		0·1 3-5h 27th
Hampstead ...	bcxz	bcx	bcx	

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 ...	40	22	11	Tr	–	0·1	*	*
Croydon ...	39	19	16	Tr	–	0·3	*	*
Greenwich ...	38	19	14	Tr	–	0·3	62	66
Westminster ...	35	24	23	–			83	96
Regents Park ...	38	22	15	–	–		75	93
Camden Square	37	22	19	–	–	*	*	74
Kensington ...	39	22	17	–	–		72	79
Hampstead ...	37	22	20	Tr	–		*	83

SECRET

Page 1

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

Wednesday 28th January 1942 — No. 29,287

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	10·8	-62	S'E	4		31	85	28	5	5	2	-	7-8	10	1500
	Croydon ...	12·0	-56	S'W	4		29	85	27	5	5	2	-	7-8	10	2000
	S. Farnborough ...	11·0	-50	S'E	4		31	87	28	5	5	2	-	7-8	10	1600
	Boscombe Down	10·0	-56	S	5		33	92	31	6	-	2	-	10	10	800
	Thorney Island	11·9	-50	S	4		33	88	28	5	5	-	-	10	10	2500
	Lympne ...	13·1	-50	SSE	4		29	85	28	7	-	7	-	0	10	-
	Manston ...	13·9	-58	S	5		27	85	27	6	-	7	-	0	10	-
2	Shoeburyness ...	14·4	-36	S'E	4		31	85	26	8	-	7	-	0	10	-
	Felixstowe ...	13·0	-66	S'W	5		29	85	26	7	-	7	-	0	10	-
	Gorleston ...	13·2	-70	SSW	7		28	85	24	7	5	-	-	3+	3+	2000
	Mildenhall ...	11·2	-54	S	5		28	75	27	7	-	2	-	10	10	3700
	Cranwell ...	07·8	-60	S	7		26	87	23	5	5	2	-	7-8	10	1400
3	Birmingham ...	09·9	-58	SSW	4		30	82	28	6	6	-	-	10	10	800
	Upper Heyford	08·4	-64	S'W	4		28	87	27	5	5	-	-	10	10	1000
4	Ross-on-Wye	05·7	-54	S	5		34	82	31	6	6	-	1	10	10	800
5	Hartland Point	04·4	-36	SW	5		47	92	46	6	5	2	-	7-8	10	800
	Bristol ...	06·8	-50	S	4		37	87	36	6	6	2	-	10	10	400
	Portland Bill ...	09·8	-52	S	6		41	82	39	6	5	-	-	10	10	1500
	Plymouth ...	07·8	-50	SW	6		49	87	48	6	6	7	-	4-6	10	500
	The Lizard ...	08·1	-20	SSE	5		49	87	48	8	5	2	-	9	10	1500
	Scilly (St. Mary's)	06·8	-26	WSW	5		51	87	50	7	5	7	-	7-8	10	1200
	Guernsey ...															
6	Pembroke ...	01·8	-50	SW	6		48	87	48	8	8	-	-	10	10	2000
7	Holyhead ...	07·1	-62	S	7		41	87	41	5	5	-	-	10	10	500
	Chester (Sealand)	00·1	-72	SSE	5		35	85	31	6	5	2	-	7-8	10	1200
8	Manchester ...	02·7	-62	SSE	7		32	87	32	5	6	2	-	7-8	10	1500
10	Spurn Head ...	00·7	-60	S	7		26	87	25	5	-	2	-	10	10	2500
	Catterick ...	01·4	-66	SE	5		28	82	27	3	-	2	-	10	10	800
	Tynemouth ...	09·3	-60	S	6		28	75	24	6	5	-	-	3+	3+	1500
11	St. Abbs Head	05·0	-54	S	6		33	85	30	7	5	2	-	7-8	10	1500
	Leuchars ...	02·3	-72	SSW	2		34	87	33	6	5	2	-	7-8	10	300
12	Renfrew (Abbotsl.)	02·1	-58	S'W	4		40	87	39	5	5	-	-	10	10	500
	Eskdalemuir ...	05·7	-64	S'W	4		32	87	31	4	-	2	-	10	10	200
	Point of Ayre ...	04·2	-64	SW'W	6		44	82	42	6	6	2	-	7-8	10	1500
13A	Tiree	08·2	+12	W'N	4		44	85	40	8	8	-	-	7-8	7-8	1500
13B	Stornoway ...	02·9	-28	WSW	7		42	87	42	6	8	2	-	7-8	10	1000
15	Dalwhinnie ...	09·5	-42	S	4		34	87	34	5	5	-	-	10	10	1500
	Aberdeen ...	08·1	-56	S	4		34	82	30	6	6	2	-	4-6	10	700
	Wick ...	07·8	-58	SSE	5		35	82	30	6	-	2	-	10	10	1000
16	Sumburgh ...	08·9	-54	S	5		33	82	27	6	5	2	-	3+	10	1000
17	Blacksod Point	07·2	+4	W	6		47	85	37	7	9	-	-	7-8	7-8	2500
18	Malin Head ...	01·8	+18	W'N	6		45	85	35	8	4	-	-	2-3	2-3	4000
	Aldergrove ...	05·5	-10	WSW	3		43	85	38	8	8	-	-	9	9	4000
19	Birr Castle ...	00·7	+18	WNW	4		46	75	39	8	5	8	-	4-6	4-6	2500
20	Valentia Obsy.	05·9	+26	W'N	6		48	55	34	8	2	-	-	7-8	7-8	4000
	Roches Point	03·3	+10	WNW	6		47	78	40	8	3	4	-	4-6	4-6	1500

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

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)	01·3	-52	SSW	4		36	97	35	5	6	2	-	7-8	10	800	1	*
	Croydon ...	01·6	-46	S	5		37	97	37	5	6	2	-	4-6	10	700	1	*
	S. Farnborough ...	01·9	-40	SSW	5		39	97	38	6	6	-	-	10	10	1200	2	*
	Boscombe Down	02·0	-58	SW'S	4		41	92	39	6	8	7	-	4-6	10	2000	1	*
	Thorney Island	03·1	-50	SW	4		42	97	42	4	5	-	-	10	10	600	1	*
	Lympne ...	04·8	-18	S	4		33	97	33	4	-	2	-	10	10	200	4	§ 5
	Manston ...	04·8	-42	SSW	6		33	92	30	4	5	-	-	10	10	400	4	*
2	Shoeburyness ...	04·5	-46	SSW	4		34	92	32	6	-	2	-	10	10	800	4	*
	Felixstowe ...	03·2	-36	SSW	5		33	75	27	4	5	-	-	10	10	1200	4	4
	Gorleston ...	03·1	-50	SSW	5		29	85	26	5	6	-	-	10	10	800	7	6
	Mildenhall ...	00·9	-54	S	4		33	85	29	5	6	2	-	7-8	10	600	6	*
	Cranwell ...	99·4	-38	SW	6		34	75	28	6	5	7	-	7-8	9+	1800	4	*
3	Birmingham ...	01·3	+10	W	3		37	92		6	-	-	-	0	0	-	4	*
	Upper Heyford	01·8	-20	SW	3		37	97	36	6	1	-	-	7-8	7-8	2000	4	*
4	Ross-on-Wye	01·6	-6	W	5		42	75	34	8	1	-	-	Tr	Tr	2000	1	*
5	Hartland Point	05·6	+14	NW	4		42	75	36	8	5	4	-	2-3	7-8	1500	1	5
	Bristol ...	03·0	+18	W	3		40	92	38	6	5	-	-	2-3	2-3	1000	2	*
	Portland Bill ...	05·0	+6	WNW	5		45	92	43	7	5	-	-	10	10	2500	1	6
	Plymouth ...	06·6	+16	NW	4		47	92	44	6	8	-	-	4-6	4-6	1500	1	4
	The Lizard ...	08·2	+30	WNW	7		47	65	36	8	8	6	-	4-6	4-6	1500	1	5
	Scilly (St. Mary's)	08·9	+24	NW'N	6		47	65	38	8	8	6	5	4-6	9	1200	1	4
	Guernsey ...																	
6	Pembroke ...	04·1	+12	WNW	6		46	65	36	7	2	-	-	4-6	4-6	2500	1	5
7	Holyhead ...	00·0	+18	W	6		45	75	36	7	1	-	2	2-3	2-3	2500	1	5
	Chester (Sealand)	99·1	+6	W	3		41	75	33	6	5	-	-	4-6	4-6	2000	1	*
8	Manchester ...	99·2	+2	SW'S	3		35	87	34	6	4	-	-	1	1	2500	5	*
10	Spurn Head ...	98·3	-16	SSW	5		31	87	30	5	-	2	-	10	10	2500	5	5
	Catterick ...	96·2	-10	S	1		32	92	30	4	5	-	-	1	1	2800	8	*
	Tynemouth ...	94·5	-6	SSW	3		38	87	33	4	5	-	-	7-8	7-8	1400	8	4
11	St. Abbs Head	90·8	-4	W	4		38	75	30	7	4	4	-	Tr	1	2500	4	3
	Leuchars ...	89·1	-4	SW	1		35	92	34	6	5	-	-	2-3	2-3	2200	4	*
12	Renfrew (Abbotsl.)	90·1	-12	WNW	6		38	92	36	5	6	-	-	4-6	10	200	2	*
	Eskdalemuir ...	92·0	-6	SW'W	6		35	92	32	4	-	2	-	10	10	200	9	*
	Point of Ayre ...	95·7	+4	NW'W	7		42	85	37	8	4	4	-	Tr	1	2000	1	4
13A	Tiree	90·5	+14	WNW	4		43	75	36	8	8	3	-	4-6	4-6	1800	1	6
13B	Stornoway ...	85·7	+14	WSW	5		37	92	34	8	8	7	-	7-8	9+	1500	1	3 *
15	Dalwhinnie ...	89·0	0	SW	3		33	92	32	5	5	-	-	10	10	1500	4	*
	Aberdeen ...	88·0	-24	WSW	2		35	85	31	5	6	2	-	2-3	2-3	1700	6	3
	Wick ...	85·9	+6	WSW	3		35	92	32	8	8	3	-	4-6	7-8	3500	4	*
16	Sumburgh ...	85·1	-26	S'W	6		38	97	38	5	6	2	-	9	10	800	1	4
17	Blacksod Point	01·2	+28	WNW	7		41	75	30	7	9	-	-	7-8	7-8	1500	1	6
18	Malin Head ...	94·2	+54	WNW	6		42	75	36	7	3	-	-	7-8	7-8	1500	1	5
	Aldergrove ...	96·9	+22	W'S	4		40	75	34	8	3	-	-	2-3	2-3	2500	1	*
19	Birr Castle ...	03·6	+18	WNW	3		40	85	35	8	3	8	-	4-6	4-6	1500	1	*
20	Valentia Obsy.	08·8	+22	WNW	6		47	55	33	8	2	-	-	4-6	4-6	2500	1	6
	Roches Point	07·0	+22	WNW	5		45	75	39	8	3	-	-	2-3	2-3	1500	1	

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 27th (39)	Weather. 13h.—18h. 27th (40)	Weather. 18h. 27th to 1h. 28th (41)	Weather. 1h.—7h. 28th (42)
1	London (Kew)	bccssg	irsgrc	robmow	bbcmox
	Croydon ...	cssg	sgrgm	rrobmo	bcmox
	S. Farnborough ...	bcsgssm	sgrrmc	cromob	pbcx
	Boscombe Down	cssrsm	orrFpc	b	pbcx
	Thorney Island	sgsh	dgrim	cbmob	bbc
	Lympne ...	cbmc	dgdm	crobmo	bbx
	Manston ...	cbccm	sgrsm	rsoirob	b
2	Shoeburyness ...	cmc	cisishem	*	bmox
	Felixstowe ...	b, cy	dgrsq	crsmbmo	bmo
	Gorleston ...	e	pgsq	bmo	cmobc
	Mildenhall ...	cis	emrsrs	bmob	bmob
	Cranwell ...	cmsh	emsh	bbcmo	bcmobmo
3	Birmingham ...	cois	osrsbc	b	bbcpro
	Upper Heyford	cmsgr	cmrsm	bcmob	bbcb
4	Ross-on-Wye	cqsd	drrsb	bbc	b
5	Hartland Point	crrddc	irrrcc	cbc	cphtl
	Bristol ...	csssd	cddrc	bmo	bcb,c
	Portland Bill ...	orr	oirc	cbcb	bc
	Plymouth ...	rrddm	arrrsm	bcb	b,c, bc
	The Lizard ...	prprc	rrrcbc	probc	cprql
	Scilly (St. Mary's)	crrqdfc	cdrq	cbcp	cbc
	Guernsey ...				
6	Pembroke ...	mcqrs	bcq	bcq	bcq
7	Holyhead ...	crrmbc	rrrmcbc	bcbbc	c
	Chester (Sealand)	cmshic	c,brrrbc	cbcb	bcc
8	Manchester ...	osrrcc	rsrrcc	bcc	cbc
10	Spurn Head ...	cass	osso	b	bc
	Catterick ...	cmisf	fsgbm	irobcb	bbc
	Tynemouth ...	ksvoc	afcm	cmbcq	bc
11	St. Abbs Head	mmcqs	cqisob	bcrocq	bpq
	Leuchars ...	sscmrs	crsgcbm	rorombc	bcbbc
12	Renfrew (Abbotsl.)	rosorr	prrrm	rprq	pbpr
	Eskdalemuir ...	ossm	ossrr	orcbc	bccrr
	Point of Ayre ...	cdorrc	bbcb	bcc	bccir
13A	Tiree	cpr	cprbcs	cprbc	pg
13B	Stornoway ...	crr	cpr	cpr	cpr
15	Dalwhinnie ...	dmsrs	obersc	*	opsbcc
	Aberdeen ...	cssrs	cirbz	bzoc	czobz
	Wick ...	rorrs	rsgrrpr	cpro bcx	bcx
16	Sumburgh ...	crr	crrm	rocproc	Phcpro
17	Blacksod Point	c	pr	pr	cprhbc
18	Malin Head ...	pr	pr	pr	pr
	Aldergrove ...	irrrm	prpHpr	prjlpro	prprs
19	Birr Castle ...	r	pr	*	cprc
20	Valentia Obsy.	r	pr	tlr	cprhbc
	Roches Point	r	pr	pr	cpr

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 28th January

Districts.	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Moderate or fresh westerly wind, strong and squally on coasts in West and at other exposed places, decreasing slowly; fine periods, occasional showers; average day temperature; slight frost locally at night.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh or strong squally westerly wind; variable cloud, showers; hail and thunder locally; temperature about or slightly below the seasonal average.
16 Orkneys and Shetlands	As 7-15
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Fresh or strong squally west wind, backing southwest later; fine periods but showers today, with hail and thunder locally; cloud increasing later with rain reaching extreme West; temperature about or slightly below the seasonal average.

GENERAL INFERENCE

A deep depression just south of Iceland is moving slightly southeast and filling up. Westerly winds will be maintained over the whole country and will reach gale force in squalls at exposed places in the West and North. There will be bright intervals generally but also some showers, with hail and thunder locally in the West and North. Wind will back and cloud increase in West Ireland later tonight and subsequently rain will spread eastwards. Day temperatures will be well above freezing but slight frost will occur locally tonight in the Southeast.

FURTHER OUTLOOK

Rain spreading eastwards across the British Isles.

Forecasts issued at 10.30 G.M.T.

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

7h. Wednesday 28th January 1942.

Low

STATION MODEL

High Cloud

Medium cloud

Temperature °F

Present weather

Visibility

Dew Point °F

Low cloud

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Bar. tendency

Weather in past hour

Past weather

Amount of Low cloud

Height of Low cloud

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 28th January

1942.

HIGH 1028

HIGH 1016

HIGH

LOW 1004

LOW 992

LOW 980

Clarke's Projection Scale 1 : 4 x 10⁷ 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. 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 28th January 1942

No. 29,287

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

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	*	*	*	*	*	37	*	*	*	*	*	*	*	*	*
	Croydon	217	04·0	+6	WSW	3	b	37	85	33	6	-	-	-	0	0	-
	S. Farnborough	226	05·0	+4	W	4	b	36	85	32	7	-	-	-	0	0	-
	Boscombe Down	417	06·0	+2	NWW	5	b	38	85	33	8	-	-	-	0	0	-
	Thorney Island	10	06·0	+8	W	3	b	37	85	34	7	-	-	-	0	0	-
	Lympne	346	03·6	+2	WN	3	b	35	92	33	7	-	-	-	0	0	-
	Manston	154	03·0	+10	WN	5	b	38	85	33	7	-	4	-	0	Tr	-
2	Shoeburyness	11															
	Felixstowe	15	01·4	+6	WSW	3	zo	35	92	32	6	5	-	-	1	1	3000
	Gorleston	5	00·7	0	WN	3	zo	34	92	30	6	-	-	-	0	0	-
	Mildenhall	19	00·9	+6	WSW	4	b	36	85	32	7	-	3	-	0	1	-
	Cranwell	240	00·2	+6	W	3	zo	36	92	33	6	5	-	-	4-6	4-6	2500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	03·4	+6	W	5	b	37	85	32	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	08·6	+6	WNW	4	bc	44	75	35	8	5	-	-	4-6	4-6	2500
	Bristol	209	06·5	+10	W	6	b	38	85	34	7	-	-	-	0	0	-
	Portland Bill	32	07·4	+6	W	5	b	43	92	41	8	-	-	-	0	0	-
	Plymouth	82	10·8	+14	NW	3	b	42	92	39	8	1	-	-	Tr	Tr	2000
	The Lizard	240	12·3	+12	NW	6	bc/pr	45	75	35	8	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	12·4	+2	NNW	7	c/pr	44	85	41	7	8	-	-	7-8	7-8	2500
	Guernsey	175															
6	Pembroke	142	07·0	+4	WNW	6	bcq	44	65	34	7	2	4	-	1	2-3	2500
7	Holyhead	26	02·2	+2	WNW	7	bc	42	75	35	8	2	-	-	4-6	4-6	2000
	Chester (Sealand)	16	02·2	+12	W	4	m	41	75	32	4	5	4	1	1	2-3	4000
8	Manchester	235	01·6	+10	SWW	4	c	38	85	33	7	5	-	-	7-8	7-8	3500
10	Spurn Head	29	97·3	+6	W	5	b	37	85	33	7	-	4	-	0	Tr	-
	Catterick	175	96·5	+6	NWW	4	b	39	75	31	7	5	-	-	1	1	6500
	Tynemouth	108	95·0	+10	WNW	6	bcq	38	85	34	7	5	-	-	4-6	4-6	1500
11	St. Abbs Head	280	92·3	+12	WNW	6	bcq	37	97	32	7	5	4	-	4-6	4-6	1500
	Leuchars	36	91·7	-2	W	5	bc	36	92	33	8	5	3	-	2-3	4-6	2500
12	Renfrew (Abbots I.)	19	94·8	+2	WSW	2	zo	37	85	33	6	3	-	-	2-3	2-3	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	98·8	+2	WN	6	c	41	75	31	8	-	4	9	0	9	-
13A	Tiree	22	91·2	-2	W	4	bc	40	75	32	8	8	-	-	2-3	2-3	2500
13B	Stornoway	80	88·2	+4	SW	4	c	39	92	36	7	5	7	-	4-6	9	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	32	*	*	*	*	*	*	*	*	*
	Wick	119	88·0	+8	SW	3	c	34	85	31	7	1	9	-	1	7-8	4000
16	Sumburgh	30	86·5	+8	SW	2	c	39	92	37	8	8	7	-	4-6	9+	2500
17	Blacksod Point	18	99·4	-22	WNW	7	c/phr	43	85	39	7	9	-	-	9+	9+	1500
18	Malin Head	84	95·0	-10	SW	5	c	40	85	36	7	9	-	-	9	9	1500
	Aldergrove	268	99·3	0	SWS	4	pr	36	92	34	7	3	1	3	4-6	9+	1500
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	08·3	-20	W	6	c/phr	44	85	40	8	9	-	-	9	9	2500
	Roches Point	22	08·7	-6	WNW	5	bc	41	85	37	8	3	-	-	2-3	2-3	1500

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

Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	04·2	-6	SWW	3	zo	36	85	33	6	5	-	6	Tr	4-6	4000	3	*
Croydon	04·6	-4	WSW	3	b	37	85	34	6	4	-	-	1	1	2000	3	*
S. Farnborough	05·3	-6	WS	4	bc	35	85	32	7	5	-	1	1	4-6	3000	3	*
Boscombe Down	06·5	-6	WSW	4	bc	35	92	33	8	-	4	1	0	4-6	-	1	*
Thorney Island	06·3	-10	W	4	bc	39	85	35	7	5	3	-	Tr	2-3	2500	1	*
Lympne	05·9	+10	WSW	2	bc	32	97	32	7	-	4	1	0	2-3	-	5	§3
Manston	04·4	+6	WSW	4	bc	33	85	31	7	-	7	-	0	2-3	-	1	*
Shoeburyness	04·0	-2	WSW	3	c	35	85	32	5	-	3	2	0	7-8	-	4	*
Felixstowe	02·8	+6	WS	3	zo	33	85	28	6	5	-	-	Tr	Tr	2500	8	3
Gorleston	02·0	+8	WN	3	zo	34	85	30	6	5	4	-	2-3	4-6	2500	8	3
Mildenhall	01·8	-2	SSW	2	b	34	85	31	7	-	7	-	0	1	-	8	*
Cranwell	99·7	-14	WSW	4	zo	34	85	31	6	5	-	-	Tr	Tr	2500	4	*
Birmingham	01·8	-8	SW	4	zo	36	85	32	5	-	7	6	0	4-6	-	4	*
Upper Heyford	03·3	-4	WS	4	bc	35	85	32	8	5	-	-	2-3	2-3	4000	5	*
Ross-on-Wye	03·5	-14	N	2	bc	40	85	34	7	1	-	-	2-3	2-3	2500	1	*
Hartland Point	05·4	-24	WNW	5	c/pr	43	75	37	8	8	-	-	7-8	7-8	1500	1	5
Bristol	04·7	-18	W	5	c	41	85	36	8	5	7	-	Tr	9	4000	1	*
Portland Bill	07·1	-8	W	5	c	42	92	40	8	5	-	-	10	10	2500	1	6
Plymouth	09·6	-10	WS	4	pr	42	97	41	7	8	-	-	7-8	7-8	2000	1	3
The Lizard	09·6	-20	W	7	pR	46	75	39	7	8	-	-	7-8	7-8	1500	1	5
Scilly (St. Mary's)	09·0	-20	NWW	7	bcq	47	75	39	8	8	-	-	4-6	4-6	1500	1	5
Guernsey																	
Pembroke	02·5	-34	W	8	bcq	46	75	38	7	8	4	-	4-6	4-6	2500	1	38
Holyhead	98·7	-24	W	6	o	41	85	32	7	5	-	-	10	10	2500	1	5
Chester (Sealand)	98·9	-26	SWW	3	pr	40	75	34	6	9	-	-	9+	9+	2500	1	*
Manchester	99·3	-24	SSW	4	pr	37	85	32	7	2	-	-	9+	9+	3000	5	*
Spurn Head	97·5	0	W	3	bc	37	85	32	7	1	4	-	2-3	4-6	4000	5	5
Catterick	94·5	-20	WNW	5	bc	38	85	33	7	3	3	-	2-3	2-3	3500	8	*
Tynemouth	94·1	-16	W	4	zo	38	85	33	6	2	-	-	2-3	2-3	1500	4	3
St. Abbs Head	91·9	-28	SW	3	c	36	85	30	8	4	4	-	4-6	7-8	1500	4	3
Leuchars	91·2	-8	W	3	bc	35	92	32	8	5	-	-	2-3	2-3	3000	5	*
Renfrew (Abbots I.)	91·9	-24	WSW	3	pr	37	92	34	5	3	2	-	9	10	1000	2	*
Eskdalemuir	92·8	-24	SWW	2	rs	34	92	31	6	5	-	-	10	10	500	9	*
Point of Ayre	95·2	-26	WN	6	iro	40	92	38	8	6	2	-	7-8	10	1000	1	4
Tiree	89·3	-6	NW	4	phr	38	85	34	7	3	-	-	9	9	1500	1	5
Stornoway	85·6	-8	SSW	3	pr	37	97	36	7	8	7	-	7-8	9+	1500	1	2
Dalwhinnie	90·7	-14	S	3	c	32	85	31	7	5	7	-	9+	10	2500	8	*
Aberdeen	89·7	-8	WSW	2	m	32	85	28	4	-	4	-	0	1	-	8	2
Wick	87·8	-2	SWS	2	b	33	85	29	7	5	-	-	1	1	2500	4	*
Sumburgh	87·4	+2	S	1	pr	39	92	37	7	8	-	-	10	10	1800	1	3
Blacksod Point	97·8	-4	WNW	7	bc/phr	42	65	32	7	9	-	-	4-6	4-6	1500	1	6
Malin Head	91·8	-2	W	6	phr	35	52	36	6	9	-	-	9+	9+	800	1	5
Aldergrove	95·3	-14	WSW	3	prs	35	97	35	6	9	-	-	9+	9+	500	1	*
Birr Castle	00·3	-8	WNW	3	c/pr	38	85	34	8	3	-	-	7-8	7-8	1500	1	
Valentia Obsy.	05·2	-2	WNW	7	bc/prh	44	85	40	8	3	-	-	4-6	4-6	2500	1	6
Roches Point	04·1	-18	WN	6	pr	43	85	38	8	3	-	3	4-6	7-8	1500	1	*

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (33)	Temperature Min. Night 18h–7h °F (34)	Temperature Min. on Grass °F. (35)	Rainfall Day 7h–18h mm. (36)	Rainfall Night 18h–7h mm. (37)	Sunshine 27th Hrs. (38)
London (Kew)	36	35	30	3	0·3	1·3
Croydon	37	35	30	3	0·6	1·6
S. Farnborough	39	35	30	3	0·1	1·4
Boscombe Down	42	35	31	6	-	0·0
Thorney Island	42	35	33	2	1	*
Lympne	34	32		1	2	2·1
Manston	33	33	27	0·2	2	1·8
Shoeburyness	34	33	26	Tr	2	1·6
Felixstowe	33	32	27	0·4	2	0·1
Gorleston	29	29	27	0·6	2	*
Mildenhall	33	33	26	5	1	0·3
Cranwell	35	33	29	2	-	0·0
Birmingham	38	35	23	4	0·2	0·0
Upper Heyford	37	34	33	3	-	*
Ross-on-Wye	42	38	32	4	-	0·0
Hartland Point	48	40	38	4	1	0·0
Bristol	46	37	31	5	-	0·0
Portland Bill	46	37	*	4	-	*
Plymouth	50	40		9	0·1	0·0
The Lizard	(49)	39	*	2	1	0·0
Scilly (St. Mary's)	51	43	*	0·6	1	0·0
Guernsey						
Pembroke	48	40	*	6	1	0·5
Holyhead	46	40	36	7	-	*
Chester (Sealand)	43	39	36	2	Tr	0·0
Manchester	35	35	30	4	Tr	
Spurn Head	31	31	*	0·5	-	0·0
Catterick	32	32	27	1	0·5	0·0
Tynemouth	33	32	29	0·4	-	*
St. Abbs Head	38	35	*	2	0·4	*
Leuchars	38	30	29	2	0·4	0·4
Renfrew (Abbots I.)	43	34	30	13	3	0·7
Eskdalemuir	37	33	32	13	6	0·0
Point of Ayre	47	38	*	4	0·2	0·9
Tiree	45	36	*	7	1	1·2
Stornoway	45	35	*	5	2	0·4
Dalwhinnie	38	29	27	6		0·0
Aberdeen	36	31	23	4	-	0·0
Wick	38	33	30	3	0·1	*
Sumburgh	41	37	34	7	7	0·0
Blacksod Point	51	37	*	5	2	*
Malin Head	46	35	*	3	10	0·0
Aldergrove	45	35	33	3	3	1·7
Birr Castle	48	37	34	5	3	2·5
Valentia Obsy.	52	40	37	4	5	3·0
Roches Point	50	45	*	1	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 27th January 18h. G.M.T. — 01h. G.M.T. 28th January 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 62	68527	14668	53	02753	22566	3-	10854	21115	3-	00753	20213
115			87	02834	18566	87	88834	57586	84	00844	55485
203						9-	27934	20584	8-	68838	1·588
206 52	22854	00067	80	25864	00084	83	02855	20486	83	25854	22284
210 52	02864	45577	57	02865	21425	53	02864	20415			
220											
230 97	27845	55787	9-	81847	22297	33	25844	89495	52	·4·46	224·8
245 02	74538	18478	53	22661	24272	57	02864	22327	8-	02857	20187
260 57	61764	49667	9-	25256	20486	30	25642	22494	8-	81745	20415
278 6-	61738	55568	9-	81746	58616	03	02890	57688			
279 62	64648	49608	70	01754	53664	5-	02746	23386	8-	81748	21428
285 6-	72528	18678	93	01634	24675				23	83624	26685
288 52	236-5	16678	50	05542	20472				57	01762	19304
575 80	01853	24463	9-	81747	57587	9-	88746	57596	3-	27843	59583
301 02	64548	48778	2-	05657	25467	50	05651	24611	2-	81648	24588
321 52	62638	50578	5-	23665	20475	04	00790	24401	54	25751	26481
299 5-	74548	22578	5-	74448	22578	50	01743	24213	50	01753	24313
292 62	24535	15478	00	05590	22270	50	01863	25403	26	02865	22316
310											
614 5-	68448	51378	5-	22448	20368	03	00790	57401	03	05690	57690

13h. G.M.T. 27th January 18h. G.M.T. — 01h. G.M.T. 28th January 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	64636	50668	00	00890	22500	13	02952	57615	83	81865	83618
334 --	64537	28568	--	02645	28215				--	64547	24368
340			10	05642	26262	10	01863	34303	50	01864	24404
136 57	02765	16528	62	78537	18578	53	05641	23473	50	05642	20402
336 --	46209	12449	80	01754	28514				57	27755	28487
350 52	23644	49578	62	62626	51468	00	05690	55200	50	00752	55402
368 52	22735	15478	80	05652	24462	80	05654	26314	8-	81647	58587
379 5-	52638	16578	80	42652	22362	00	05690	55300	50	00761	55311
390 5-	72458	16478	52	67327	16378	00	05690	26500	04	05690	23301
382 5-	24748	14478	5-	22635	22365	10	00761	55401	54	01753	55304
438 80	02658	20528							50	01663	24613
430 02	77338	16578	5-	67328	53478	00	00790	24300	50	01754	24404
409 57	02821	19558	20	01753	26663	20	00853	26403	5-	25748	21788

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C_L C_M = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 28th.
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	bccss.	ir.s.rr.	r.bm.x
Croydon	cs.s.	3.r.r.m.	6r.bmcx
Greenwich	bcc	s.3d.rr	rrbxbcm.
Camden Square	bc	o	
Kensington	o	bcx	
Hampstead	bcx	osrx	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. 0·1 Time 7-24h 27th. Min. <0·1 Time 3h 28th.

Stations	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	36	35	30	3	0·3	1·3	*	*
Croydon	37	35	30	3	0·6	1·6	*	*
Greenwich	40	36	29	3	1	1·6	91	96
Westminster	40	30	29	3			94	91
Regents Park	40	24	23	1	2		85	85
Camden Square	39	26	23	4	0·2	*	*	87
Kensington	40	36	30	0·7	2		90	85
Hampstead	33	32	25	4	1		*	92

SECRET

Page 1

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

Thursday 29th January 1942 — No. 29288

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

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)	00·3	-24	SW	4	c	40	85	34	6	8	5	8	2-3	4-6	2500
	Croydon ...	01·2	-26	WSW	3	c/pr	41	85	36	6	4	3	3	1	4-6	4500
	S. Farnborough	01·3	-38	WSW	4	bc/pr	41	92	39	8	8	7	+	1	4-6	1800
	Boscombe Down	02·0	+30	W'N	5	bc	42	85	38	8	9	+	+	4-6	4-6	1500
	Thorney Island	02·9	-28	W	4	c	43	85	38	7	9	6	3	4-6	7-8	2500
	Lympne ...	02·5	-34	SW	4	c	43	85	38	8	9	+	2	7-8	9+	1200
	Manston ...	00·7	-34	SW'W	4	2/10	41	85	36	6	5	3	3	Tr	9+	2500
2	Shoeburyness ...	00·9	-22	WSW	4	c	42	75	35	6	5	7	+	1	10	2000
	Felixstowe ...	99·4	-30	SW'W	3	2/10	37	85	33	5	+	7	+	0	10	—
	Gorleston ...	98·6	-28	SW	3	3/10	39	75	31	6	5	7	+	7-8	10	1000
	Mildenhall ...	98·5	-18	SW'W	3	2/10	39	85	35	6	5	7	+	4-6	9	4000
	Cranwell ...	97·1	-10	WSW	4	2/10	40	85	35	6	1	3	+	7-8	7-8	1500
3	Birmingham ...	99·0	-12	W	4	bc	40	75	33	7	8	7	+	2-3	4-6	1500
	Upper Heyford	00·7	-14	WSW	4	c	40	85	35	8	9	3	+	4-6	7-8	1800
4	Ross-on-Wye	99·7	-16	W	4	bc	45	65	34	8	9	-	3	2-3	4-6	3000
5	Hartland Point	03·5	-8	WNW	4	c	44	65	34	8	8	6	+	7-8	9	1500
	Bristol ...	01·6	-12	W	4	c	44	85	39	8	8	7	+	4-6	9+	1500
	Portland Bill ...	04·1	-18	W	5	c	45	92	43	8	2	-	+	7-8	7-8	4000
	Plymouth ...	05·5	-22	WNW	5	c/pr	44	92	42	7	8	3	+	7-8	9	1800
	The Lizard ...	06·9	-26	WNW	6	bc/pr	45	65	32	7	8	6	+	4-6	4-6	1500
	Scilly (St. Mary's)	07·4	-8	W	6	c/phr	46	85	42	7	8	6	-	4-6	7-8	1200
	Guernsey ...															
6	Pembroke ...	01·9	-10	W	7	c	45	75	36	7	8	7	-	4-6	7-8	2500
7	Holyhead ...	97·0	+8	W	6	c	44	65	34	8	3	6	3	2-3	7-8	2000
	Chester (Sealand)	07·6	0	N	4	c/phr	43	65	32	8	9	-	-	9+	9+	3500
8	Manchester ...	96·7	-18	WSW	5	bc/pr	40	75	31	8	2	6	-	4-6	4-6	2500
10	Spurn Head ...	95·6	-12	WSW	3	c	39	85	35	6	7	-	-	7-8	7-8	2500
	Catterick ...	94·2	+6	NW'W	3	bc	39	85	32	8	8	3	3	2-3	4-6	2200
	Tynemouth ...	93·1	-12	W	3	c	38	75	34	7	8	-	-	7-8	7-8	2200
11	St. Abbs Head	90·8	-8	W	4	c	37	85	32	7	5	7	6	4-6	9	2000
	Leuchars ...	89·9	-2	WSW	3	c	40	75	32	8	8	-	3	1	7-8	4000
12	Renfrew (Abbotsl.)	91·6	-4	W'S	4	c	40	85	35	8	9	-	3	7-8	10	2000
	Eskdalemuir ...	91·9	0	WSW	2	bc/s	35	75	29	8	5	-	-	4-6	4-6	2200
	Point of Ayre ...	94·8	-2	WNW	6	c	42	85	37	8	8	1	6	7-8	7-8	2000
13A	Tiree	88·8	-10	SW'S	3	c/pr	37	97	37	7	8	-	-	7-8	7-8	1500
13B	Stornoway ...	88·4	+14	—	0	c	38	97	38	8	3	6	2	2-3	7-8	1500
15	Dalwhinnie ...	90·5	0	SW	2	c	31	85	28	8	8	4	-	4-6	7-8	2500
	Aberdeen ...	89·6	-4	—	0	bc	36	85	30	5	5	-	3	Tr	4-6	4500
	Wick ...	89·0	+2	SW	1	c	38	75	30	9	3	6	3	1	7-8	2000
16	Sumburgh ...	90·1	+10	SSE	4	c	36	97	35	7	5	2	-	9+	10	1000
17	Blacksod Point	97·9	-2	W	6	c/pr	42	75	35	7	9	-	-	9	9	1500
18	Malin Head ...	90·9	+12	W	5	c/pr	43	75	36	7	3	-	-	7-8	7-8	1500
	Aldergrove ...	95·0	-8	SW'S	4	c/pr	37	92	35	8	9	-	3	7-8	7-8	1500
19	Birr Castle ...	99·9	-6	SW	2	bc	42	75	35	8	5	-	-	4-6	4-6	2500
20	Valentia Obsy.	05·4	-2	WNW	5	PHR	45	75	38	8	9	-	-	9+	9+	2500
	Roches Point	03·9	-10	NW'W	4	c	42	85	38	8	3	-	3	4-6	7-8	1500

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

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)	99·4	+4	WSW	3	2/10	39	79	32	6	5	-	3	1	4-6	2500	1	*
	Croydon ...	99·7	-2	WSW	2	2/10	38	85	35	5	5	-	-	1	1	3600	1	*
	S. Farnborough	00·1	0	W'S	2	b	36	85	33	7	3	-	3	Tr	1	2000	1	*
	Boscombe Down	01·0	-6	NW'W	3	bc	37	85	33	7	6	-	-	4-6	4-6	2000	1	*
	Thorney Island	01·4	-2	W	3	2/10	40	85	36	6	4	-	3	4-6	7-8	1500	1	*
	Lympne ...	00·9	+2	WNW	2	c/pr	37	92	34	6	2	-	-	7-8	7-8	1500	1	4
	Manston ...	99·4	-2	SW'W	3	pr	37	85	33	6	8	6	-	4-6	7-8	1900	1	*
2	Shoeburyness ...	99·7	0	W	2	b	38	85	34	5	-	4	-	0	1	—	1	*
	Felixstowe ...	98·3	-4	W'S	3	2/10	37	85	33	5	2	6	3	2-3	4-6	2500	4	2
	Gorleston ...	97·7	+2	—	0	2/10	38	85	33	6	5	-	-	4-6	4-6	1500	6	2
	Mildenhall ...	97·8	+2	SW'W	3	2/10	36	85	32	6	-	6	-	0	2-3	—	4	*
	Cranwell ...	96·3	-2	WSW	4	2/10	38	92	32	6	5	7	4	1	9+	2000	4	*
3	Birmingham ...	99·0	0	SW	3	b	36	75	29	6	-	-	-	0	0	—	4	*
	Upper Heyford	98·8	+2	W'S	3	b	36	85	32	8	5	-	-	1	1	2500	1	*
4	Ross-on-Wye	99·8	0	W'S	3	c/pr	37	85	33	8	8	-	3	1	1	3000	1	*
5	Hartland Point	02·0	+6	NW	3	bc/phr	40	85	35	8	8	4	-	4-6	4-6	1500	1	5
	Bristol ...	00·5	0	W	4	c	38	85	34	7	8	-	3	1	7-8	1500	1	*
	Portland Bill ...	01·9	-6	W	5	c	42	92	40	7	5	-	-	10	10	2500	1	5
	Plymouth ...	03·2	-2	W	5	pr	44	85	41	7	8	-	-	9+	9+	1500	1	2
	The Lizard ...	04·0	-14	NW	6	c	43	85	38	8	8	6	+	7-8	7-8	1500	1	5
	Scilly (St. Mary's)	03·1	0	NNW	6	pr	44	85	38	7	8	7	-	9	10	1200	1	5
	Guernsey ...																	
6	Pembroke ...	01·4	+2	W'N	4	bc	43	75	36	7	8	-	-	4-6	4-6	2500	1	5
7	Holyhead ...	96·8	0	WSW	5	bc	42	75	34	8	8	7	1	2-3	4-6	2500	1	4
	Chester (Sealand)	96·6	-4	WSW	1	2/10	39	75	31	6	2	6	3	1	4-6	2500	1	*
8	Manchester ...	96·8	+2	SSW	3	c	37	85	32	7	4	6	3	2-3	9	2500	1	*
10	Spurn Head ...	95·5	+2	W'S	3	c	35	92	32	7	5	7	-	4-6	7-8	1500	6	3
	Catterick ...	94·0	0	WSW	3	1/10	37	85	34	7	5	2	+	9	9+	1800	4	*
	Tynemouth ...	93·4	+4	W	3	2/10	38	85	34	5	5	-	+	9+	9+	2500	1	4
11	St. Abbs Head	91·0	0	W	3	c	34	92	31	7	5	4	-	4-6	7-8	1500	4	3
	Leuchars ...	90·3	0	—	0	2/10	33	85	30	6	5	-	-	7-8	7-8	3200	5	*
12	Renfrew (Abbotsl.)	90·9	+2	NE'N	1	c/pr	34	97	34	5	9	-	-	9+	9+	1800	2	*
	Eskdalemuir ...	91·3	+4	SW'W	4	8/10	34	92	33	4	-	2	-	10	10	100	8	*
	Point of Ayre ...	91·9	-4	WNW	6	bc	41	85	36	8	8	4	6	2-3	4-6	1800	1	5
13A	Tiree	88·0	0	—	0	c	38	97	38	7	5	-	-	9	9	1800	1	4
13B	Stornoway ...	89·4	0	—	0	bc	36	92	36	8	2	8	-	2-3	4-6	2500	1	1
15	Dalwhinnie ...	90·9	0	NE	1	bc	27	85	25	8	7	4	-	2-3	4-6	2500	8	*
	Aberdeen ...	90·7	+6	—	0	2/10	32	85	28	4	-	7	-	0	Tr	—	8	3
	Wick ...	90·6	+12	—	0	8/10	34	92	32	9	3	3	-	4-6	4-6	2500	4	*
16	Sumburgh ...	92·8	+18	SE'S	5	c	36	92	34	7	5	-	-	10	10	1500	1	4
17	Blacksod Point	96·6	-12	W	7	c/phr	45	65	34	7	9	-	-	9+	9+	1500	1	6
18	Malin Head ...	89·3	-10	W	5	pr	42	85	38	6	9	-	-	7-8	7-8	1500	1	5
	Aldergrove ...	93·0	-12	SW	4	c/pr	39	85	35	7	9	6	3	4-6	9	2500	1	*
19	Birr Castle ...	99·3	-2	WNW	3	c/pr	40	85	36	8	8	-	-	7-8	7-8	1500	1	
20	Valentia Obsy.	04·9	+6	NW'W	7	c/pr	47	65	36	8	9	-	-	9+	9+	2500	1	6
	Roches Point	03·2	+4	NW'W	4	bc/pr	43	75	36	8	3	-	3	2-3	4-6	1500	1	*

PAST 24 HOURS.

District	Stations (For heights see p. 4.)	Weather. 7h.—13h. 28th (39)	Weather. 13h.—18h. 28th (40)	Weather. 18h. 28th to 1h. 29th (41)	Weather. 1h.—7h. 29th (42)
1	London (Kew)	bcsbc	cbcsir	bcbmox	bcxpsc
	Croydon ...	bmcpro	cmobcm	bmox	bcmocmo
	S. Farnborough	bcspr	cprhpqpb	bx	cxirc
	Boscombe Down	cprobc	bc	bbc	cpraqpr
	Thorney Island	cmgc	cmbcmo	bcbmobbccpr	cmo
	Lympne ...	bgc	ccpr	cmgbmo	bxbcro
	Manston ...	bcmgcmo	bccpgmo	probmox	bcbcmox
2	Shoeburyness ...	bcmgcmo	cmobmo		bmocmox
	Felixstowe ...	bmgcmo	cmgbcmo	bcmbcmo	bmocmo
	Gorleston ...	bcc	cbc	bc	bccxmo
	Mildenhall ...	czgmo	cprqgb	bcmobmo	b,cmoirc
	Cranwell ...	bccmo	bczgmo	cgbmo	cmoirro
3	Birmingham ...	cprgbc	bcb	b,cro	bcro
	Upper Heyford	bccbc	bcpr	bbcb	bcpro
4	Ross-on-Wye	cpobc	pobccpo	bbcb	pobc
5	Hartland Point	irbcc	cphrbc	bccphr	clpr
	Bristol ...	etlrPR	cbc	bccpr	cbcpr
	Portland Bill ...	c	cpr	bbcc	cpr
	Plymouth ...	cprmo	cmgcpro	cprobc	cpro
	The Lizard ...	cprbc	cpre	bccql	cpre
	Scilly (St. Mary's)	bccphrq	cphr	cpq	cpbcpro
	Guernsey ...				
6	Pembroke ...	cq	cbccq	cprq	cprq
7	Holyhead ...	cphrbc	bce	c	cprq
	Chester (Sealand)	bcmgpro	cbcy	bcxbccpro	prrrq
8	Manchester ...	cpro	cbc	bcc	cprpro
10	Spurn Head ...	c	c	c	orr
	Catterick ...	bc	mcsiro	ciro p	ciromo
	Tynemouth ...	cmpo	cbcmo	cmopoc	coiro
11	St. Abbs Head	c	bcc	cdo	cpoiro
	Leuchars ...	bcmbc	bcbc	bccmo	Prrorcmd
12	Renfrew (Abbotsl.)	prpor	cprprs	rrosososobcbmcmo	
	Eskdalemuir ...	oso	coss	oisom	Ososo
	Point of Ayre ...	phrc	cbcc	bccpr	crorr
13A	Tiree	cirs	cpr	cprbc	bc
13B	Stornoway ...	cprss	cmbc	bccrx	bcbx
15	Dalwhinnie ...	cps	c	*	cbcc
	Aberdeen ...	bcfbc	bczb	bzciro	cirmo
	Wick ...	bcbc	bbcfs	bccmo	cmoprso
16	Sumburgh ...	cphrsmo	circ	cmorossb	CS.SomoC
17	Blacksod Point	c	pr	pr	bcq
18	Malin Head ...	pr	pr	pr	c
	Aldergrove ...	prsmopro	cpro c	prprsRroc	prbc
19	Birr Castle ...	bc	pr	*	cprbc
20	Valentia Obsy.	pr	pr	pr	cphrbc
	Roches Point	pr	pr	pr	bcpr.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 29th January 1942.

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Variable winds becoming Easterly, fresh, moderating; cloudy with occasional rain turning to snow; cold, with temperature near freezing point day and night.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Fresh Northerly winds, strong locally, moderating and veering N.E.; cloudy, with scattered wintry showers; rather cold with night frosts.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Fresh or strong N.E. winds, moderating; cloudy with occasional snow; cold, with temperature near freezing point day and night.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland	Light or moderate variable winds; fair apart from scattered wintry showers; cold with night frosts.
14 Mid Scotland 15 N.E. Scotland	Variable winds, mainly light or moderate; cloudy with occasional snow; temperature near freezing level day and night.
16 Orkneys and Shetlands	As 14-15.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate Northerly winds; occasional showers, bright intervals; rather cold with local night frosts.

GENERAL INFERENCE

A depression over East Anglia is moving S.E. and pressure will rise generally over the British Isles. There will be some rain at first in the S.E. turning to snow, and there will be occasional snow in other eastern districts. In the West it will be fair apart from scattered showers. It will be generally cold, with temperatures near freezing point by day and by night in the east.

FURTHER OUTLOOK

Remaining cold in the North and East. Rain probable in extreme West or S.W.

Forecasts issued at 1030 G.M.T.

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

7h. Thursday 23rd January 1942.

1008 1006 1004 1002 1000 998 996 994 992 990 988 1010 1012

LOW

LOW

HIGH

1002

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

Bar. tendency

Low cloud

Weather in past hour

Past weather

Amount of Low cloud

Height of Low cloud

10° 5° W. 0° 5° E. 60° 55° 50°

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

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 29th January

1942.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Thursday 29th January 1942 — No. 29288.

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

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	*	*	*	*	*	33	*	*	*	*	*	*	*	*	*
	Croydon ...	217	98·9	−8	WSW	3	zo	35	85	32	6	−	4	2	0	4-6	−
	S. Farnborough	226	99·5	−6	WSW	3	bc	31	92	30	8	−	−	6	0	2-3	−
	Boscombe Down	417	00·5	−6	WSW	4	bc	36	92	34	8	4	6	−	4-6	4-6	2000
	Thorney Island	10	01·1	−2	WNW	2	bc	34	92	33	7	5	3	1	2-3	4-6	4000
	Lympne ...	346	00·3	+2	WSW	2	zo	30	97	30	6	−	−	−	0	0	−
	Manston ...	154	99·3	+2	WSW	3	zo	32	85	30	6	−	−	−	0	0	−
2	Shoeburyness ...	11															
	Felixstowe ...	15	97·3	−2	W'N	3	zo	33	97	32	6	−	−	−	0	0	−
	Gorleston ...	5	97·2	−2	W'N	3	bc	34	85	31	7	−	4	−	0	2-3	−
	Mildenhall ...	19	97·1	−6	SW'W	3	zo	34	85	31	6	−	−	3	0	1	−
	Cranwell ...	240	95·5	−4	SW	4	zo	35	85	32	6	5	−	−	Tr	Tr	4000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	97·3	−18	SW'W	4	bc	32	97	32	7	−	7	2	0	2-3	−
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	00·5	−16	NW	5	c	45	75	36	8	2	4	−	2-3	3	1500
	Bristol ..	209	99·3	−16	SSW	5	pr	41	92	38	6	9	−	−	9+	9+	1000
	Portland Bill ...	32	01·8	−6	WNW	5	c	41	92	39	8	2	−	−	7-8	7-8	4000
	Plymouth ...	82	03·6	−2	W'S	4	pr	44	92		8	8	−	−	7-8	7-8	2500
	The Lizard ...	240	04·5	−8	WNW	6	cl	44	85	38	8	8	2	−	7-8	9+	1500
	Scilly (St.Mary's)	163	05·7	−8	NNW	7	c/pr	44	85	39	7	8	7	−	4-6	9	1200
	Guernsey ...	175															
6	Pembroke ...	142	98·6	−18	W'N	7	cq	45	75	37	7	8	−	−	9+	9+	2500
7	Holyhead ...	26	92·5	−26	WNW	6	pr	43	85	37	8	8	−	−	9+	9+	2000
	Chester(Sealand)	16	93·8	−22	SW	3	c/pr	41	75	34	7	3	6	−	4-6	7-8	2000
8	Manchester ...	235	93·8	−16	SSE	3	c	35	85	31	7	5	−	−	4-6	9	2500
10	Spurn Head ...	29	94·6	−4	SW	4	bc	35	92	32	7	5	7	−	4-6	4-6	2500
	Catterick ...	175	92·6	−4	SW	2	c/r	38	92	35	7	8	9	−	7-8	9+	3000
	Tynemouth ...	108	92·6	0	W	2	zo	37	92	34	6	8	−	−	7-8	7-8	2500
11	St. Abbs Head	280	91·0	+2	SSE	2	dd	35	97	35	7	5	7	−	7-8	10	1500
	Leuchars ...	36	91·9	+0	−	0	zo	33	85	30	5	5	−	−	10	10	3000
12	Renfrew (Abbotsl.)	19	91·1	+0	NE'E	2	so	33	97	33	4	5	−	−	10	10	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	87·5	−18	W'S	4	ro	40	97	39	8	6	2	−	4-6	10	1500
13A	Tiree	22	93·3	+0	N	4	bc	40	85	36	8	8	−	−	4-6	4-6	2500
13B	Stornoway ...	80	95·9	+30	NNW	3	c	34	97	34	8	3	6	−	4-6	7-8	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	36	*	*	*	*	*	*	*	*	*
	Wick ...	119	95·3	+0	ENE	2	zo	35	92	33	6	3	6	−	7-8	9	3200
16	Sumburgh ...	30	98·8	+2	SSE	3	c/s	33	92	30	7	5	2	−	9	10	1000
17	Blacksod Point	18	98·1	+1	NW'W	6	bc/phr	45	75	39	8	3	−	−	4-6	4-6	2500
18	Malin Head ...	84	92·0	+5	N	5	pr	43	75	37	8	9	−	−	7-8	7-8	1500
	Aldergrove ...	268	90·6	0	NW'W	2	c/r	37	97	35	8	9	1	3	2-3	9	1200
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	05·6	0	WNW	7	bc/phr	46	75	39	8	2	−	−	4-6	4-6	2500
	Roches Point	22	01·8	−1	WNW	6	bc/pr	43	85	39	8	3	−	3	2-3	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 29th January

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)	35·2	−12	SW	2	zq	36	92	32	5	5	−	−	9+	9+	2500	1	*
	Croydon ...	35·8	−16	SSW	3	c/r	37	92	34	6	5	7	−	7-8	10	3000	1	*
	S. Farnborough	35·8	−18	SW'W	3	c	36	85	33	7	5	7	8	2-3	9	2000	1	*
	Boscombe Down	36·7	−14	W'S	4	c	38	92	36	8	8	7	−	9	9+	2000	1	*
	Thorney Island	37·3	−18	W'S	2	zo	39	92	36	6	5	−	−	7-8	7-8	4000	1	*
	Lympne ...	38·0	−18	W'S	2	zo	35	92	33	6	5	7	−	2-3	9+	2500	5	§ 4
	Manston ...	36·5	−14	SW'W	3	zo	33	92	31	6	−	7	2	0	9+	−	1	*
2	Shoeburyness ...	36·9	−14	SW'S	3	c	34	92	32	6	5	3	−	7-8	10	3500	3	*
	Felixstowe ...	35·7	−10	SW	1	zo	32	92	31	5	5	−	−	9	9	3000	4	2
	Gorleston ...	35·6	−8	NSW	2	zo	33	85	30	6	5	−	−	9	9	2500	5	2
	Mildenhall ...	34·7	−6	S'W	3	ir	36	92	33	6	5	−	−	9+	9+	2500	5	*
	Cranwell ...	33·0	−10	S'W	3	ro/ro	36	92	33	6	5	−	−	10	10	1400	4	*
3	Birmingham ...	32·8	−10	SW	3	ir	37	92	36	4	6	−	−	10	10	800	4	*
	Upper Heyford	34·1	−18	SW'W	3	pr	35	92	33	7	8	7	−	7-8	9	1500	5	*
4	Ross-on-Wye	34·6	−12	W'S	4	bc	41	75	35	8	8	−	−	4-6	4-6	3000	1	*
5	Hartland Point	39·2	+4	NW	5	c/pr	44	75	37	8	8	6	−	7-8	9+	1500	1	5
	Bristol ..	35·8	−16	SW	4	bc	41	85	37	6	6	−	−	4-6	4-6	1000	1	*
	Portland Bill ...	38·6	−12	WSW	5	c	43	85	39	8	5	−	−	7-8	10	2500	1	5
	Plymouth ...	01·1	−6	W	4	c	44	85	41	7	8	−	−	7-8	7-8	2500	1	4
	The Lizard ...	02·7	−8	WNW	6	c	46	65	36	7	8	−	−	7-8	7-8	1500	1	5
	Scilly (St.Mary's)	04·0	+2	NNW	7	bc	46	75	39	7	8	6	−	4-6	4-6	1200	1	5
	Guernsey ...																	
6	Pembroke ...	39·6	+24	NW	7	c	44	75	37	7	8	−	−	7-8	7-8	2500	1	5
7	Holyhead ...	35·3	+38	NNE	7	c	42	75	34	8	8	−	−	10	10	2000	1	5
	Chester(Sealand)	33·5	+22	WNW	3	o/pr	39	92	36	7	5	−	−	10	10	2000	1	*
8	Manchester ...	32·3	+2	−	0	pr	35	97	34	7	9	−	−	10	10	1200	1	*
10	Spurn Head ...	34·0	+2	SE'S	1	ro/ro	34	97	33	6	−	2	−	10	10	800	1	2
	Catterick ...	35·3	+32	N'W	1	ir	35	97	34	5	5	−	−	10	10	800	1	*
	Tynemouth ...	36·5	+36	N	6	c/r	39	92	36	6	6	−	−	10	10	1500	1	5
11	St. Abbs Head	38·6	+52	NE	5	cq	37	92	34	6	5	2	−	9	10	1500	4	3
	Leuchars ...	00·3	+66	ENE	3	ro/ro	37	92	34	5	5	7	−	9	10	1500	1	*
12	Renfrew (Abbotsl.)	01·5	+58	N'E	2	zo	36	85	31	6	5	3	−	4-6	9	2000	4	*
	Eskdalemuir ...	37·4	+54	NNE	4	o	33	92	32	6	5	−	−	10	10	400	3	*
	Point of Ayre...	36·5	+56	NEN	6	rr	36	97	36	8	6	2	−	4-6	10	1800	1	4
13A	Tiree	02·2	+44	NNE	1	bc	40	85	36	8	8	−	−	2-3	2-3	2500	0	4
13B	Stornoway ...	03·7	+42	NW	2	bc	36	92	33	7	8	7	−	4-6	4-6	2000	3	1
15	Dalwhinnie ...	02·4	+42	N	1	c	30	92	29	6	5	−	−	9	9	2500	8	*
	Aberdeen ...	02·3	+46	E'S	3	c/r	35	85	28	6	6	2	−	7-8	10	900	6	3
	Wick ...	02·2	+30	−	0	prs	35	92	32	5	3	−	−	10	10	1500	4	*
16	Sumburgh ...	05·4	+34	SSE	3	c/s	30	85	25	7	5	2	−	9	10	1200	7	*
17	Blacksod Point	07·6	+48	NW	5	bc/q	47	75	41	8	3	−	−	4-6	4-6	2500	1	5
18	Malin Head ...	03·0	+54	N	5	c	44	65	34	8	8	−	−	7-8	7-8	4000	1	6
	Aldergrove ...	01·7	+54	N	2	b	35	85	31	8	3	6	3	Tr	1	1500	1	*
19	Birr Castle ...	04·6	+46	N	2	b	37	85	33	8	−	−	−	0	0	−	1	*
20	Valentia Obsy.	10·9	+38	NNW	6	b/phr	46	75	40	8	2	−	−	1	1	2500	1	6
	Roches Point	06·0	+38	WNW	6	bc	44	75	38	8	3	−	3	2-3	4-6	1500	1	*

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 Hrs. 28th (38)
1	London (Kew)	43	33	23	Tr	0·2	3·5
	Croydon ...	44	34	29	Tr	0·1	3·0
	S. Farnborough	44	31	26	2	Tr	3·4
	Boscombe Down	44	32	30	1	1	2·7
	Thorney Island	46	33	28	−	1	*
	Lympne ...	44	28		0·6	Tr	1·6
	Manston ...	44	31	25	Tr	Tr	1·8
2	Shoeburyness ...	43	33	26	−	−	2·8
	Felixstowe ...	40	30	25	−	−	2·3
	Gorleston ...	40	32	27	0·2	−	*
	Mildenhall ...	41	33	25	0·4	Tr	1·6
	Cranwell ...	41	33	30	−	0·3	2·8
3	Birmingham ...	41	33	30	0·5	0·2	3·0
	Upper Heyford	42	31	29	Tr	Tr	*
4	Ross-on-Wye	43	36	30	0·1	Tr	3·0
5	Hartland Point	45	39	36	5	3	0·9
	Bristol ..	45	35	30	3	1	1·9
	Portland Bill ...	45	39	*	3	0·5	*
	Plymouth ...	45	36	32	5	4	1·4
	The Lizard ...	47	40	*	6	0·5	1·8
	Scilly (St.Mary's)	48	41	*	5	5	1·4
	Guernsey ...						
6	Pembroke ...	46	39	*	Tr	0·6	1·6
7	Holyhead ...	45	40	37	Tr	1	*
	Chester(Sealand)	45	37	29	0·2	3	4·7
8	Manchester ...	42	33	29	0·1	3	*
10	Spurn Head ...	39	33	*	Tr	1	0·1
	Catterick ...	40	38	27	0·4	0·4	3·2
	Tynemouth ...	41	36	31	−	0·5	*
11	St. Abbs Head	40	33	*	−	2	*
	Leuchars ...	41	30	26	−	1	2·7
12	Renfrew (Abbotsl.)	40	33		4	8	
	Eskdalemuir ...	37	32	32	4	4	0·5
	Point of Ayre...	43	36	*	0·4	8	2·0
13A	Tiree	41	36	*	3	1	0·0
13B	Stornoway ...	41	33	*	1	Tr	3·2
15	Dalwhinnie ...	34	19	17	3	−	1·0
	Aberdeen ...	37	35	21	−	1	1·4
	Wick ...	41	41	25	−	5	*
16	Sumburgh ...	39	30	29	12	2	0·0
17	Blacksod Point	47	38	*	4	5	*
18	Malin Head ...	44	41	39	4	3	0·0
	Aldergrove ...	39	34	30	1	6	0·3
19	Birr Castle ...	45	37	34	1	3	4·2
20	Valentia Obsy.	47	41	37	2	4	2·5
	Roches Point	45		*	3	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 28th January — 18h. G.M.T. — 01h. G.M.T. 29th January — 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 37	00752	17213	30	05558	00013	8-	05647	14217	62	68547	10368
115									52	81834	08286
303 8-	02937	20387				80	01944	08304			
206 83	02964	20327	83	01863	00013	53	01753	00024	5-	24758	00078
210 36	02854	18226	53	01964	12125	87	02755	16118			
220			80	01754	07204						
230 8-	25847	20287	8-	81848	20288	23	25953	00085	00	00990	03300
245 36	05666	20125	46	08461	00013	50	05652	24116	8-	25658	40588
260 30	05652	23313	8-	81643	22188	02	68248	06178	9-	93548	04478
278 86	81847	25448	80	32748	56488	8-	81858	23388	5-	01854	65664
279 86	02854	56485	8-	02746	53486	8-	52648	16288	5-	24757	02744
285 9-	26746	24586							02	72528	04478
288 87	02745	23325	5-	02857	22227	93	05663	00017			
575 3-	27857	24387	9-	81847	58487	9-	81747	58488	9-	81848	28488
301 26	01853	24584	2-	25658	24585	20	27658	24588	80	22554	30364
321 91	85636	56687	5-	03558	24385	5-	05654	20484	5-	64448	10268
299 52	08433	22215	57	01754	22215	50	01755	22215	50	01755	22215
292 86	81955	26486	59	02854	22327	5-	02847	20188	5-	22448	03268
310											
614 53	05652	57324	07	65590	20310	53	05653	20215	5-	51458	00068

13h. G.M.T. 28th January — 18h. G.M.T. — 01h. G.M.T. 29th January — 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						40	00851	20312	8-	02857	22687
334 --	37546	28487	--	02743	30414						
340 93	25845	24287	06	00890	23382	50	01864	22314	5-	22748	24368
136 59	05656	19417	50	05655	20383	53	05661	22312	83	81655	20318
336 62	62626	24568	57	02755	24528				20	25754	28584
350 67	02731	54426	56	05651	23382	07	05690	18303	57	05654	20387
368 87	02744	57487	30	01743	24383	80	25646	56586	36	81643	59683
379 27	01742	22483	50	00855	24202	5-	02757	22317	5-	62648	22268
390 61	05632	55526	04	05620	24311	00	45390	24242	07	45390	19345
382 57	01841	19584	03	00840	22201	53	05651	20203	87	81648	20127
438 89	02756	24727							02	64538	64668
430 53	02756	22587	76	05663	23315				86	81654	24287
409 92	25747	52688	94	25743	57686	57	02855	57617	5-	02847	57687

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C$_L$C$_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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 January
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 ...	beqpc	cbeir	bcmxpgc	Kew 24 hours ended 7h. Max. Time 0·2 17-22h 28th. Min. Time 0·1 31. 29th.
Croydon ...	bmaepro	cmbcmo	bmxcmr	
Greenwich ...	becx	cxb	bxcpm	
Camden Square ...	bc	bc		
Kensington ...	cbc	bcp		
Hampstead ...	bc	bcpx	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	43	33	23	Tr	0·2	3·5	*	*
Croydon ...	44	34	29	Tr	0·1	3·0	*	*
Greenwich ...	43	32	27	−	0·3	2·8	58	91
Westminster ...	44	33	29	0·3			81	92
Regents Park ...	43	33	28	−	0·1		75	86
Camden Square ...	43	33	27	−	−	*	*	91
Kensington ...	44	32	25	0·1	0·2		73	88
Hampstead ...	41	31	27	−	Tr		*	96

SECRET

Page 1

BRITISH SECTION

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

Friday 30th January 1942

No. 29289

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

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)	98.2	+28	NNW	2	ir₀	39	85	35	6	5	-	-	10	10	1500
	Croydon	97.4	+18	NW'W	3	c/r	39	92	36	5	8	-	-	10	10	1500
	S. Farnborough	98.3	+18	NW'N	4	r₀r₀	38	85	35	6	5	2	-	9+	10	800
	Boscombe Down	00.5	+34	N	6	r₀r₀	38	85	34	6	5	-	-	10	10	1200
	Thorney Island	98.2	+14	WNW	5	ir₀	41	85	36	8	5	-	-	10	10	3000
	Lympne	97.9	+6	NW	2	id₀	40	92	38	6	5	2	-	9+	10	2500
	Manston	97.3	+10	NW'N	1	d₀d₀	38	92	35	5	5	2	-	9+	10	2000
2	Shoeburyness	97.6	+14	NNW	1	of+	39	92	37	3	5	-	-	10	10	1300
	Felixstowe	97.6	+16	N	3	z₀	37	92	34	5	5	-	-	10	10	2000
	Gorleston	99.3	+28	NNE	2	z₀	36	92	32	6	5	-	-	10	10	2400
	Mildenhall	99.4	+38	N	3	c/r	36	97	34	6	5	7	-	7-8	9+	4000
	Cranwell	02.8	+64	N	4	ir₀	34	97	34	6	6	2	-	9+	10	600
3	Birmingham	04.1	+70	N	5	c	37	92	35	6	6	-	-	10	10	800
	Upper Heyford	00.1	+50	N'W	4	RS	36	97	34	5	6	2	-	9	10	400
4	Ross-on-Wye	03.7	+54	N'W	4	c	40	85	36	6	6	2	-	9+	10	1400
5	Hartland Point	06.4	+32	N	6	bc	43	65	33	8	5	-	-	4-6	4-6	2000
	Bristol	02.6	+42	N	5	pr	40	85	35	6	5	-	-	10	10	800
	Portland Bill	00.1	+20	WNW	5	c	43	92	41	8	5	7	-	7-8	10	2500
	Plymouth	07.0	+30	NW'N	6	c	45	75	38	8	8	-	-	7-8	7-8	2500
	The Lizard	08.6	+30	NNW	6	bc/f	47	65	32	8	2	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	10.8	+30	N'W	6	bc	48	65	38	8	8	6	-	4-6	4-6	1500
	Guernsey															
6	Pembroke	08.4	+46	NW	7	bc	44	75	37	7	2	6	-	4-6	4-6	2500
7	Holyhead	07.7	+58	NE'E	7	bc	42	75	33	7	8	-	-	4-6	4-6	2000
	Chester (Sealand)	06.0	+62	N	4	z₀	40	75	33	6	5	-	-	9	9	1000
8	Manchester	05.6	+66	N'W	5	c/pr	37	85	32	5	2	7	-	7-8	10	2500
10	Spurn Head	03.0	+46	NE	6	oq	35	97	34	6	-	2	-	10	10	800
	Catterick	07.7	+6	NNE	3	z₀	34	92	32	5	8	-	-	9+	9+	2200
	Tynemouth	08.0	+44	NE	5	c/pr	34	85	28	7	8	-	-	9+	9+	2000
11	St. Abbs Head	08.5	+28	ESE	3	is₀	34	85	34	7	5	2	-	9	10	1500
	Leuchars	08.3	+26	-	0	sh	33	92	32	6	5	-	-	10	10	1800
12	Renfrew (Abbots I.)	09.8	+30	WNW	1	bc	41	75	34	7	5	3	-	2-3	4-6	3500
	Eskdalemuir	08.5	+40	NE'E	2	c	33	85	27	7	5	-	-	9+	9+	1200
	Point of Ayre	09.0	+38	NE'E	4	b	40	85	35	8	1	-	-	1	1	3000
13A	Tiree	29.6	+36	NNW	1	bc	46	85	42	9	2	-	-	2-3	2-3	3500
13B	Stornoway	08.0	+10	WNW	3	c	43	85	39	8	5	7	-	4-6	9+	2500
15	Dalwhinnie	00.5	+20	SW	1	c	34	75	28	8	5	-	-	9	9	2500
	Aberdeen	08.9	+20	SE	3	S₀S₀	32	92	31	4	6	2	-	7-8	10	800
	Wick	07.0	+16	SSE	3	S₀S₀	34	92	33	6	5	2	-	9+	10	600
16	Sumburgh	08.0	+6	SSW	2	c	33	85	30	8	8	3	1	4-6	7-8	2500
17	Blacksod Point	13.4	+24	NW	3	bc	49	65	38	8	2	6	-	2-3	2-3	4000
18	Malin Head	10.3	+34	N	1	bc	45	75	38	8	7	-	-	4-6	4-6	5700
	Aldergrove	11.7	+54	N	1	bc	42	75	34	8	8	-	-	2-3	2-3	2500
19	Birr Castle	12.5	+30	N	3	c	43	85	39	8	5	-	-	7-8	7-8	2500
20	Valentia Obsy.	16.5	+24	NNW	4	bc/pr	47	75	40	9	8	-	3	2-3	2-3	2500
	Roches Point	12.9	+26	NNW	6	b	47	75	40	9	3	-	-	1	1	2500

OBSERVATIONS at 18h. G.M.T. 29th January — 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. 29th (39)	Weather 13h.–18h. 29th (40)	Weather 18h. 29th – 1h. 30th (41)	Weather 1h.–7h. 30th (42)
1	London (Kew)	10.5	+70	N	4	z₀	35	75	29	6	5	-	-	9+	9+	1500	1	*	ir₀rcr₀	cid,dc	cbcx	bcmox
	Croydon	08.8	+64	NNW	5	m	35	85	31	4	6	-	-	10	10	1300	1	*	cm₀r₀r₀	cmir₀cm	cmocmb	bmxbmox
	S. Farnborough	10.3	+70	N'E	3	z₀	35	75	29	6	5	2	-	7-8	10	800	1	*	cpr₀cir₀	cr₀r₀dsdm	c,bmox	bmoxcmo
	Boscombe Down	12.5	+66	N'E	4	z₀	35	75	29	6	5	-	-	9+	10	1600	1	*	bccpr₀	cr₀r₀cm	cmo	bmocmo
	Thorney Island	09.5	+74	N	4	c	37	85	33	6	5	-	-	10	10	800	1	*	cmcir₀	ccir₀cm₀	cmocb	bmobcmo
	Lympne	07.5	+58	N	6	pr	33	97	32	5	2	-	-	10	10	1500	1	§ 4	cm₀pr₀	cm₀dpr₀	cmob	bxmo
	Manston	06.4	+64	N	6	z₀	34	92	32	6	5	-	-	10	10	700	1	*	cpr₀r₀r₀	d₀d₀r₀r₀m	cbcmo	bcmobm
2	Shoeburyness	08.9	+68	N'E	4	o/r	34	85	30	7	5	-	-	10	10	1500	1	*	cm₀r₀r₀cf	cfr₀r₀mir₀c		cmobmox
	Felixstowe	08.0	+70	NNE	7	is₀	33	85	28	7	5	-	-	10	10	1500	4	4	cm₀ir₀om	idr₀s₀s₀	bccb	b,cmo
	Gorleston	07.6	+44	NNE	6	z₀	33	75	26	6	6	-	-	10	10	1500	6	4	cm₀	psczq	cmocmox	cpso
	Mildenhall	09.6	+62	N'E	4	is₀	33	85	30	6	5	-	-	10	10	1500	1	*	cmr₀r₀cm	cr₀sism	cisdsmox	cbcmox
	Cranwell	12.1	+50	N'W	3	bc/s	32	85	28	5	5	-	-	2-3	2-3	1500	4	*	crsoff	cir₀r₀mbm	c,b,c,b,cmo	bcmbm
3	Birmingham	13.5	+50	N	3	z₀	33	85	29	5	5	-	-	2-3	2-3	1500	4	*	oirs	opr₀bc		b,cx
	Upper Heyford	11.8	+44	NNW	5	z₀	33	85	30	6	5	-	-	7-8	7-8	2200	1	*	ir₀r₀r₀cm	crsir₀m	cmobmom	bcm
4	Ross-on-Wye	13.4	+48	N	4	z₀	37	85	31	5	8	-	-	9	9	2500	1	*	bccpc	c	czbzv	bxbcc
5	Hartland Point	14.2	+48	N	5	c	43	75	33	8	2	6	-	4-6	7-8	2000	1	5	cbc	bcc	cbcb	bbcc
	Bristol	13.4	+58	NE	4	z₀	38	75	31	5	5	-	-	9	10	800	1	*	cprm₀q	cm₀qz	cbzom	bmocv
	Portland Bill	12.5	+46	N	4	c	40	92	38	8	5	7	-	7-8	10	4000	1	5	c	c	b	c
	Plymouth	13.6	0	NNW	5	b	42	85	37	7	8	-	-	Tr	Tr	2500	1	3	cbcpr₀	cpr₀bc	bmobf	bcmo,cm
	The Lizard	15.1	+40	NNW	4	c	41	85	37	8	8	6	-	4-6	7-8	2000	1	4	bc	bcprc	bcx	bccbc
	Scilly (St. Mary's)	16.2	+36	N'E	5	pr	46	75	38	8	8	4	-	4-6	7-8	1500	1	5	bccp₀bc	bccpr₀	cpobcp	c
	Guernsey																					
6	Pembroke	15.3	+24	N'W	4	c	43	85	38	7	8	-	-	9+	9+	2500	1	3	cbcq	c	bc	bcc
7	Holyhead	13.7	+34	N'E	2	b	36	85	33	7	2	-	-	1	1	2000	1	3	cpr₀c	bcc	bmoxbcw	bcwproc
	Chester (Sealand)	13.8	+40	N'W	1	m	34	85	29	4	4	-	-	Tr	Tr	4000	1	*	cir₀m₀	c,bz	bcf,mox	bcxcbc
8	Manchester	13.2	+38	NW	1	m	31	85	27	4	-	-	-	0	0	-	1	*	cpr₀f	czbc	cf	cmoiro
10	Spurn Head	10.4	+26	NNE	4	bc	32	92	32	6	8	-	-	4-6	4-6	2500	3	5	or₀o	c	ois	
	Catterick	13.1	+24	W'N	1	m	33	85	30	4	5	-	-	10	10	2200	4	*	cmr₀scm	bcm₀cm	cmoprozo	crotomo
	Tynemouth	12.2	+14	NE	3	o	34	97	33	6	5	-	-	10	10	2500	1	4	ocprs	co	ocps	coiroc
11	St. Abbs Head	10.7	+2	SSW	3	f/s	32	92	31	7	5	2	-	7-8	10	1500	4	3	cis	s₀c	ciro	czobc
	Leuchars	09.4	+2	WSW	1	z₀	34	97	33	5	5	-	-	7-8	7-8	2800	4	*	cs₀r₀osh	osns₀s₀s₀m	cmocrob	bcbcx
12	Renfrew (Abbots I.)	11.6	+6	W	2	z₀	35	85	32	6	5	4	-	2-3	2-3	3500	1	*	cm₀bc	bcm₀b	bcprob	bbcmoc
	Eskdalemuir	12.4	+12	SE'S	2	c	31	85	27	7	5	-	-	7-8	10	2800	9	*	ois₀c	cbcc	cpcps b	bc
	Point of Ayre	13.3	+14	W	2	b	32	97	31	8	5	-	-	Tr	Tr	3000	1	2	rrcbcb	b		bbcc
13A	Tiree	11.6	+4	NW'W	2	bc	45	85	42	8	8	-	-	4-6	4-6	1800	0	4	prbc	bc	bccpr	bcc
13B	Stornoway	10.7	+12	NNW	3	c	37	92	36	8	5	7	-	4-6	9+	2500	1	2	bcc	cpr	c	cbc
15	Dalwhinnie	11.6	+10	WNW	3	ps	34	85	31	7	5	-	-	9+	9+	2500	6	*	c	cps₀	*	cbc
	Aberdeen	10.0	+4	S'E	3	S₀S₀	32	97	31	4	6	2	-	7-8	10	800	7	3	cir₀s₀s₀	cs₀s₀m	cs₀som	cm
	Wick	08.2	+6	S'E	3	o	36	92	33	6	5	-	-	10	10	700	4	*	s₀hr₀s₀s₀s₀	s₀s₀sh	rodobcm	cmopsob
16	Sumburgh	09.2	+10	SSW	3	c	34	75	28	8	8	3	6	4-6	9	1500	7	3	cp₀sc	cps₀	cros₀	ossros₀
17	Blacksod Point	15.7	+16	W'N	2	c	43	85	39	8	-	-	7	0	9	.	0	2	bc	bc	c	r
18	Malin Head	13.3	+18	N	1	bc	42	85	38	8	8	-	-	4-6	4-6	5700	1	5	bc	b	c	c
	Aldergrove	14.2	+18	-	0	bc	37	85	31	8	4	-	5	1	2-3	2500	1	*	bbcbbc	bcb	bbc,xc	ccdbc
19	Birr Castle	15.1	+22	NNW	1	bc	42	85	38	8	5	-	-	4-6	4-6	2500	1		pr	bc	*	r
20	Valentia Obsy.	18.1	+14	-	0	c	45	85	41	8	2	-	2	2-3	9	2500	1	3*	pr	bc	pr	r
	Roches Point	17.3	+36	N'W	5	bc	45	75	38	8	5	-	5	1	4-6	2500	1		b	b	b	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 30th Jan: 1942.

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Freshening southerly wind veering W. or N.W. tonight; cloud increasing; with rain spreading from west today, clearing during night; becoming milder temporarily; glazed frost at first with the rain.
5 S.W. England; 6 South Wales ✝; 7 North Wales ✝	✝ Strong S. wind, gale on coast, veering N.W. later today; dull and rain at first clear periods this evening and tonight; milder today, colder again tomorrow.
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 ✝	✝ Wind backing S.E. to E and becoming fresh or strong; cloudy with snow in many places, heavy locally especially on high ground; frost in many places tonight.
13B N.W. Scotland ✝; 14 Mid Scotland; 15 N.E. Scotland	Wind backing E. moderate or fresh; cloudy; snow in many places, heavy locally; frost day and night.
16 Orkneys and Shetlands	As 13B-15.
17 N.W. Ireland ✝	As 19-20.
18 N.E. Ireland ✝	Fresh or strong S.E. wind backing N.E.; cloudy; snow at first; fair later; cold.
19 S.E. Ireland ✝; 20 S.W. Ireland ✝	Fresh or strong squally N.W. wind; fine periods; showers with hail and thunder locally; cold.

GENERAL INFERENCE

A deepening depression off N.W. Ireland will move E.S.E. and an associated trough will move Southeastwards over our Southern districts. Rain will spread eastwards across southern Ireland, Wales and Southern England and snow will occur in the North. It will become temporarily milder in the South but will continue cold in the North.

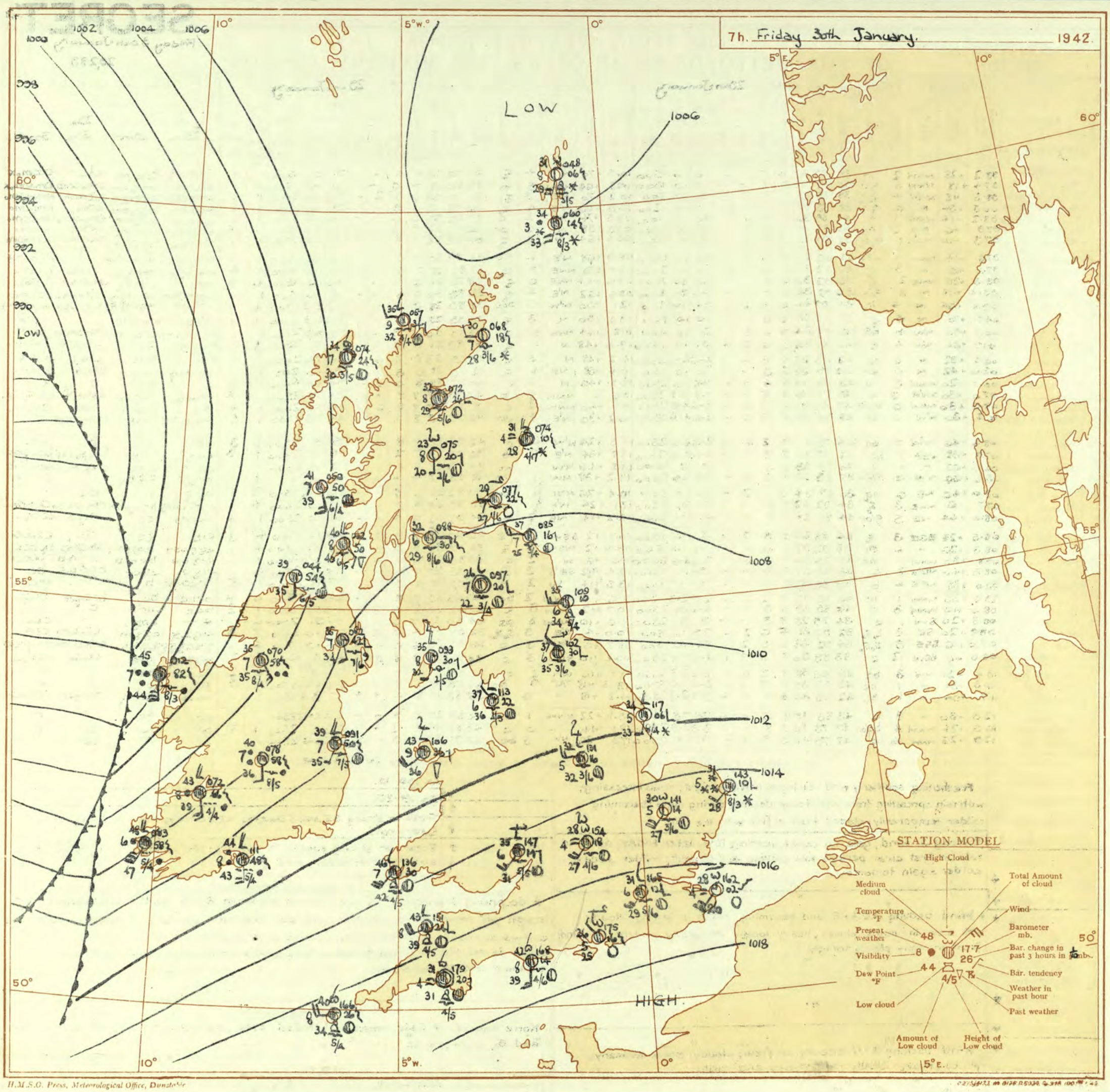
FURTHER OUTLOOK

None issued. ✝ Gale warnings issued 0740, 30/1 in districts 6, 7, 8, 12, 13A and B, 17, 18, 19, 20.

Forecasts issued at 1030 G.M.T.

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

7h. Friday 30th January. 1942.



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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 30th January
1942.

Clarke's Projection Scale 1 : 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 800

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

Friday 30th January 1942

No. 29 289

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

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	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*
	Croydon ...	217	17·3	+22	NW	2	m	28	97	27	4	–	–	–	0	0	–
	S. Farnborough	226	18·2	+24	WN	1	zo	28	92	26	6	–	–	–	0	0	–
	Boscombe Down	417	18·9	+20	WNW	1	zo	28	97	27	5	–	–	–	0	0	–
	Thorney Island	10	18·5	+28	NW'N	2	b	30	85	27	7	–	–	–	0	0	–
	Lympne ...	346	17·0	+26	NW	2	b	27	85	24	7	–	–	–	0	0	–
	Manston ...	154	15·6	+24	NW'N	3	zo	31	85	27	6	5	–	–	9	9	1800
2	Shoeburyness ...	11															
	Felixstowe ...	15	15·3	+18	NW	4	b	31	85	25	7	–	–	–	0	0	–
	Gorleston ...	5	14·6	+14	NW'W	1	zo	31	85	28	6	5	–	–	9+	9+	2500
	Mildenhall ...	19	16·0	+14	W'S	2	zo	27	97	26	6	5	–	–	2-3	2-3	4000
	Cranwell ...	240	14·4	–8	WSW	1	m	30	85	26	4	5	–	–	10	10	5700
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·2	+14	SW'W	1	m	27	97	27	4	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	18·5	+10	SSW	2	b	38	75	30	8	–	–	5	0	1	–
	Bristol ...	209	18·4	+12	S	1	zo	31	85	27	5	–	–	–	0	0	–
	Portland Bill ...	32	19·2	+20	N	2	b	35	85	32	8	–	–	–	0	0	–
	Plymouth ...	82	19·9	+18	ESE	2	b/f	31	97	31	5	–	–	–	0	0	–
	The Lizard ...	240	19·5	+10	N	1	bc	41	85	35	8	8	6	–	4-6	4-6	2500
	Scilly (St.Mary's)	163	20·1	+8	–	0	c	44	92	42	8	8	6	3	4-6	7-8	1500
	Guernsey ...	175															
6	Pembroke ...	142	18·0	+2	W'S	3	bc	44	85	39	8	1	6	–	2-3	4-6	4000
7	Holyhead ...	26	15·3	+2	W	2	bc	40	85	35	8	1	–	–	4-6	4-6	2500
	Chester(Sealand)	16	15·4	+6	WSW	1	zo	31	85	28	6	5	–	–	4-6	4-6	5000
8	Manchester ...	235	15·3	+2	SSE	3	cf	32	92	29	3	5	–	–	9	9	4000
10	Spurn Head ...	29	13·3	0	SW'S	2	is	32	97	32	6	–	2	–	10	10	1500
	Catterick ...	175	12·2	–8	W	3	pr	36	85	32	6	5	–	–	8	8	3500
	Tynemouth ...	108	11·8	–6	WNW	4	zo	36	85	32	6	5	–	–	9	9	2500
11	St. Abbs Head	280	10·3	+10	WNW	4	ir	38	85	33	7	5	2	–	7-8	10	1500
	Leuchars ...	36	10·3	+6	NW	3	b	36	85	31	9	5	–	–	Tr	Tr	4000
12	Renfrew (Abbotsl.)	19	11·8	+2	W'N	2	b	35	92	33	8	5	–	–	Tr	Tr	3500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	13·8	0	NW'N	4	b	41	92	39	8	1	–	–	1	1	1800
13A	Tiree	22	12·1	0	N	2	bc	42	85	37	8	8	–	–	2-3	2-3	2800
13B	Stornoway ...	80	10·5	–8	WNW	2	c	35	92	32	7	5	7	–	7-8	9+	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	33	*	*	*	*	*	*	*	*	*
	Wick ...	119	09·1	+6	NNW	2	zo	33	97	33	6	–	3	–	0	7-8	–
16	Sumburgh ...	30	08·3	–6	S	3	rs	35	75	30	6	5	–	–	10	10	800
17	Blacksod Point	18	13·9	–20	SW'S	1	c	45	85	41	8	–	6	6	0	9	–
18	Malin Head ...	84	13·0	–10	S	1	c	44	75	37	8	2	7	–	4-6	7-8	5700
	Aldergrove ...	268	14·9	0	SSW	1	c	35	97	34	8	5	–	–	9+	9+	4000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17·4	–12	SSE	3	c	42	92	40	8	5	1	–	2-3	10	2500
	Roches Point	22	18·4	–2	N'W	3	bc	40	85	36	8	–	–	5	0	2-3	–

OBSERVATIONS at 7 hr. G.M.T. 30th January

Barom. at M.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)
15·9	–12	WSW	2	zo	30	92	28	5	5	–	–	9	9	2500	3	*
16·5	–12	SW	3	zo	31	85	29	6	5	4	–	7-8	7-8	3000	3	*
16·8	–16	SW'W	2	zo	32	85	29	6	–	3	–	0	7-8	–	3	*
17·2	–14	SW'W	3	zo	31	85	28	5	5	7	2	4-6	7-8	4000	3	*
17·5	–16	NW	1	zo	26	97	26	5	–	5	8	0	4-6	–	3	*
17·7	–8	WSW	1	zo	26	85	22	5	–	7	–	0	1	–	3	*
16·2	+2	SW	3	m	28	92	26	4	–	3	1	0	1	–	3	*
15·8	–8	SW	3	bc	31	85	28	6	–	3	5	0	2-3	–	3	*
15·1	–12	WSW	3	zo	31	85	26	5	5	–	–	10	10	4300	4	5
14·3	–10	SW'W	2	ss	31	85	28	5	6	–	–	10	10	800	7	3
14·1	–14	SW	4	zo	30	85	27	5	5	3	–	2-3	2-3	4000	3	*
12·5	–14	SW	3	zo	31	92	29	5	5	–	–	1	1	3000	4	*
13·9	–14	SW	3	zo	31	85	27	5	–	7	6	0	3	–	4	*
15·4	–18	SW	3	m	28	97	27	4	5	3	3	4-6	7-8	3800	3	*
14·7	–14	SW	3	zo	35	85	31	6	5	1	1	7-8	9	3000	3	*
15·1	–24	WSW	4	c	43	85	39	8	2	2	–	4-6	7-8	2500	1	3
15·4	–28	S	2	zo	37	75	31	6	5	–	–	9	9	1500	3	*
16·8	–14	S	3	c	42	92	39	8	5	7	–	4-6	7-8	4000	1	4
17·9	–20	–	0	m	31	97	31	4	8	7	–	4-6	7-8	2000	0	1
17·3	–20	WSW	4	bc	45	85	40	8	8	6	–	4-6	4-6	2500	0	4
16·6	–26	W'S	4	c	47	85	44	8	8	7	–	7-8	9+	1200	1	4
13·6	–30	SW'W	5	c	46	85	42	7	8	4	–	4-6	7-8	2500	1	3
10·6	–36	SW'W	4	c	43	85	36	9	–	1	6	0	9+	–	1	3
11·8	–26	SSW	2	zo	38	85	33	6	5	–	1	4-6	4-6	4400	1	*
12·3	–34	S	3	zo	34	85	30	6	5	–	–	9+	9+	3000	3	*
11·7	–6	SSW	1	o	34	97	33	5	–	2	–	10	10	1500	6	
10·2	–30	NW	2	zo	37	92	35	6	5	–	2	2-3	9+	3500	1	*
10·9	–10	W	3	c	35	97	34	6	2	–	–	7-8	7-8	1500	1	3
08·5	–16	W	3	bc	37	65	25	7	4	4	–	2-3	4-6	1500	4	2
07·7	–10	W	3	bc	29	92	27	7	5	–	8	Tr	7-8	3500	4	*
08·3	–30	E	1	zo	32	92	29	6	5	–	–	10	10	3500	3	*
09·7	–20	–	0	bc	26	85	22	7	5	4	–	2-3	4-6	1500	2	*
09·3	–30	SSW	2	c	35	92	32	8	4	2	6	1	9+	2500	0	3
05·0	–50	SSE	3	c	41	97	33	7	5	–	–	9	9	1800	0	4
07·4	–24	–	0	bc	34	92	30	7	5	7	–	2-3	4-6	2500	1	1
08·6	–20	S	1	bc	23	85	20	8	5	–	9	1	2-3	4000	8	*
07·4	–18	–	0	m	31	92	28	4	6	2	–	4-6	9	1700	7	3
06·8	–18	W	2	bc	30	92	28	7	4	–	–	2-3	2-3	3500	8	*
06·0	–14	SW	4	rs	34	97	33	3	5	–	–	10	10	700	7	4
01·2	–52	S	6	RR	45	97	45	7	6	–	–	10	10	800	2	5
04·4	–54	S	2	c	39	85	35	7	5	–	–	9	9	2500	0	4
08·2	–42	SSE	2	c	35	97	34	7	5	–	–	9+	9+	3500	1	*
07·8	–58	S	7	ir	40	85	36	7	5	–	–	10	10	2500	1	4
08·3	–58	SSW	6	ir	48	97	48	6	6	2	–	4-6	10	1500	1	2
11·1	–48	S	4	ir	44	97	44	8	6	2	–	7-8	10	1500	1	

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 29th Hrs. (38)
40	29	20	1	Tr	0·0
40	27	23	3	–	0·0
41	26	20	1	–	0·0
41	25	19	0·2	Tr	1·5
43	25	19	0·5	–	*
40	23	21	1	Tr	0·0
39	26	21	2	Tr	0·1
40	27	21	1	–	0·0
38	30	27	1	Tr	0·2
38	30	29	0·6	0·2	*
38	27	17	2	Tr	0·0
36	28	24	3	–	0·0
38	28	19	2	–	0·0
37	27	19	1	–	*
41	29	20	0·3	–	0·2
45	37	30	–	–	4·3
42	30	21	0·2	–	0·3
44	34	*	0·2	–	*
46	30	25	0·3	–	3·5
47	37	*	1	–	6·1
48	41	*	Tr	1	5·7
45	37		–	–	6·2
43	30	22	1	0·1	*
40	29	25	0·2	–	0·5
38	29	23	1	Tr	
37	31		3	2	5·0
36	32	27	0·6	1	0·1
40	33	31	0·5	0·4	*
37	32		0·1	0·1	
37	29	24	1	Tr	0·0
41	32	25	–	Tr	4·2
34	26	18	3	0·1	1·2
42	32	*	2	–	5·8
46	40			Tr	5·2
44	34	*		–	5·1
35	22	15		Tr	0·2
35	30	31	3	7	0·0
36	29	25	3	2	
35	32	31	Tr	20	2·3
50	39	*	–	3	*
46	37		–	–	0·0
44	34	27	–	Tr	7·3
45	37	27	0·5	0·1	1·7
49	37	32	Tr	2	5·0
49		*	–	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T.. 29th January 18h. G.M.T. | 01h. G.M.T.. 30th January 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	02	71538	13478	62	03635	14478	80	02627	00077	3-	01653	20483
115	84	10344	26385	52	81834	32487	54	02944	28385	54	02944	24225
203				8-	81844	24484	20	01943	30323			
206	8-	02767	24277	82	81746	24288	80	01854	24314	5-	01865	00015
210	8-	24747	20277	8-	85847	22387	86	25854	29387	50	00862	20212
220				80	25844	31284				52	03646	17128
230	5-	02366	00016	8-	81847	20387	04	00990	18182	57	02854	00017
245	02	72438	11278	5-	24428	17278	84	02765	26176	53	05664	00015
260	57	02756	00028	53	08464	21326	50	05662	20212	54	08461	24114
288	0	00653	30313	53	01741	30204	24	00881	23313	8-	02858	18328
279	20	01764	03484	50	05664	18214	8-	81657	20327	50	02665	20115
285	3-	23626	06476	23	05633	32484						
288	8-	23637	36487	5-	45366	00076	53	05667	20197	8-	08457	22187
575	20	01844	00014	40	00842	28103	5-	02757	16127	5-	22743	12368
301	5-	05506	03486	09	47230	00040	5-	05656	26316	51	05654	28126
321	62	62646	36578	50	05651	32274	53	08473	19329	57	08463	23224
299	80	82648	04658	80	01744	32414	5-	02648	23128			
292	52	52645	04458	50	05661	30151	53	05663	22226			
310												
614	52	51437	37428	40	05563	02323	03	05590	22344	54	05563	24328

13h. G.M.T.. 29th January 18h. G.M.T. | 01h. G.M.T.. 30th January 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	2-	02857	32687	40	00751	32301	2-	01653	30115	4-	02653	00088
334	--	25545	28316	--	02653	02314				--	02644	24215
340	5-	05648	05388	84	05630	31211	80	08464	16204	5-	02766	18216
136	5-	68428	02488	8-	26757	02577	5-	83667	24287	5-	05577	21477
336	62	61626	28468	40	01754	02416				14	02754	32166
350	62	68647	65478	67	00632	34373	03	08490	20104	03	05590	19214
368	8-	02844	61586	54	05645	32115	00	05590	00000	57	08455	24427
379	--	77306	55708	53	05645	02677	00	05590	00000	54	05662	24308
390	52	41546	26368	52	05636	65478	04	05590	26210	00	47390	24300
382	5-	21548	32468	8-	05636	31426	00	05590	00000	5-	08461	00013
438	8-	02767	30467							50	00761	24401
430				5-	05647	05658	00	00790	32310	00	05690	00006
409	10	01804	03784	20	00852	32612	8-	02357	16117	57	02753	16227

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
$C_L C_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

For the 24 hours ending morning of 30th, 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 ...	ir rer$_o$	r$_o$id$_o$, de	cbem$_o$x	Kew 24 hours ended 7h. Max. 0·2 Time 7-12, 29th. Min. 0·1 Time 0-5, 30th.
Croydon ...	cm e r$_o$	emir$_o$ cm$_o$	cm bm$_o$x	
Greenwich ...	c/r	c/r$_o$	cbx cm	
Camden Square	bc	o		
Kensington ...	ap	opbc		
Hampstead ...	bc	osd	bcx	

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	40	29	20	1	Tr	0·0	*	*
Croydon ...	40	27	23	3	–	0·0	*	*
Greenwich ...							91	84
Westminster ...	41	29	25	0·7			91	90
Regents Park ...								
Camden Square	40	39	25	–	0·5	*	*	81
Kensington ...	40	29	24	0·6	Tr		91	82
Hampstead ...	38	26	20	0·4	–		*	95

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

SECRET

Saturday 31st January 1942

No. 29230

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

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)	07·8	-64	SSW	3	c/r	38	85	34	6	5	2	–	7-8	10	2500
	Croydon ...	09·0	-58	SSW	3	ir	39	85	35	6	5	7	–	4-6	10	1400
	S. Farnborough	08·3	-62	S	3	r/ir	39	85	35	6	5	7	–	4-6	10	2700
	Boscombe Down	07·7	-64	SW'S	6	r	39	97	34	6	6	2	–	4-6	10	600
	Thorney Island	09·5	-56	SW	4	ir	42	92	40	6	5	2	–	4-6	10	800
	Lympne ...	12·2	-48	S'W	3	r	39	92	37	6	5	2	–	9	10	1600
	Manston ...	10·5	-44	SW	4	r	38	75	31	6	5	2	–	9+	10	4500
2	Shoeburyness ...	10·6	+32	S'W	3	c	37	85	34	5	–	3	–	0	10	–
	Felixstowe ...	09·7	-42	SW	3	r	35	85	30	5	5	2	–	2-3	10	4000
	Gorleston ...	09·8	-36	SW'W	3	r	36	75	29	6	5	–	–	10	10	2000
	Mildenhall ...	08·3	-42	SSW	3	r	36	85	31	6	5	2	–	9	10	1500
	Cranwell ...	05·3	-52	S'W	3	r	35	92	33	6	5	7	–	4-6	10	3500
3	Birmingham ...	03·3	-64	S	3	rs	36	97	36	5	6	–	–	10	10	800
	Upper Heyford	06·8	-66	S'W	4	ir	36	85	33	6	6	2	–	7-8	7-8	1200
4	Ross-on-Wye	03·3	-74	S	3	r	39	92	36	6	6	–	–	10	10	800
5	Hartland Point	00·2	-96	SW	6	rr	44	85	42	5	6	2	–	9	10	500
	Bristol ...	04·7	-78	S	4	rr	41	92	39	6	6	2	–	7-8	10	1200
	Portland Bill ...	07·4	-68	SW	5	rr	46	92	44	7	5	–	–	10	10	2500
	Plymouth ...	06·8	-70	SW	7	rr	46	97	46	6	6	2	–	9+	10	400
	The Lizard ...	05·5	-80	SW	7	rr	47	97	46	5	5	–	–	10	10	1000
	Scilly (St. Mary's)	05·3	-72	WSW	6	dd	49	97	49	5	5	–	–	10	10	200
	Guernsey ...															
6	Pembroke ...	00·1	-70	WNW	5	cq	41	92	40	7	8	6	–	9	10	2500
7	Holyhead ...	29·6	-94	S'E	6	rr	41	97	40	5	–	2	–	10	10	500
	Chester (Sealand)	00·2	-78	SSE	3	ir	37	92	35	4	6	2	–	4-6	10	800
8	Manchester ...	01·7	-70	SE	5	RR	36	92	34	4	–	2	–	10	10	2000
10	Spurn Head ...	05·3	-44	SSW	3	c	35	97	34	5	8	2	–	7-8	10	1500
	Catterick ...	03·1	-44	SSE	2	c/r+	35	97	34	5	5	2	–	4-6	10	2300
	Tynemouth ...	03·4	-38	S	3	r	38	92	36	5	5	–	–	9+	9+	2000
11	St. Abbs Head	01·1	-44	S	3	c	34	85	32	8	5	7	–	4-6	9+	2500
	Leuchars ...	01·0	-40	NNE	1	r	34	75	29	6	5	–	–	10	10	1500
12	Renfrew (Abbots I.)	29·2	-48	E'N	2	r	35	97	34	3	5	–	–	10	10	1500
	Eskdalemuir ...	00·2	-74	–	0	s	32	92	31	6	–	2	–	10	10	300
	Point of Ayre ...	29·1	-80	SSW	5	RR	38	92	37	6	–	2	–	10	10	1500
13A	Tiree	29·6	-34	ESE	4	r	39	97	38	7	–	2	–	10	10	1500
13B	Stornoway ...	00·8	-28	E	3	r	41	85	37	8	5	4	5	2-3	9	2500
15	Dalwhinnie ...	00·9	-36	NNE	1	o	32	75	26	8	5	–	–	10	10	4000
	Aberdeen ...	02·3	-28	WNW	1	cj–	28	92	26	3	5	7	6	Tr	7-8	1200
	Wick ...	02·4	-24	–	0	bc	34	85	30	8	2	–	–	2-3	2-3	2500
16	Sumburgh ...	04·3	-10	SSE	5	c/ps	35	85	32	7	8	–	–	10	10	1500
17	Blacksod Point	00·8	+2	W	7	c/pr	44	85	40	7	3	6	–	4-6	7-8	1500
18	Malin Head ...	30·7	-64	W	4	cjp	43	85	39	6	3	–	–	9	9	800
	Aldergrove ...	24·2	-72	SSE	2	ir	35	97	34	7	6	2	–	7-8	10	800
19	Birr Castle ...	00·9	-2	WNW	4	c/pr	43	75	36	8	8	–	–	7-8	7-8	1500
20	Valentia Obsy.	08·7	+4	NW'W	7	c/pr	44	75	37	8	3	–	3	4-6	9+	2500
	Roches Point	04·6	+10	NW	6	c/pr	46	75	39	8	3	–	5	4-6	4-6	1500

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

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)	93·6	-86	SW	3	ir	37	97	36	6	5	–	–	10	10	1500	1	*
	Croydon ...	94·1	-86	SSW	3	rs/ir	35	97	34	6	9	2	–	9	10	500	1	*
	S. Farnborough	94·7	-66	W'S	4	c	37	92	35	8	8	6	3	4-6	9+	800	2	*
	Boscombe Down	96·3	-20	NW'W	4	bc	38	92	35	7	4	6	–	2-3	2-3	2000	1	*
	Thorney Island	96·4	-62	W	3	r	37	92	34	6	5	6	–	2-3	4-6	1500	1	*
	Lympne ...	97·5	-100	S	6	RS	34	97	34	4	6	–	–	10	10	400	1	5
	Manston ...	97·1	-98	S	6	rs	34	97	34	4	5	–	–	10	10	300	1	*
2	Shoeburyness ...	97·8	-78	SE	5	rs	35	92	33	5	–	2	–	10	10	800	1	*
	Felixstowe ...	96·8	-74	S'E	7	rr	36	85	31	5	6	2	–	9+	10	1600	4	3
	Gorleston ...	99·1	-60	SW'S	5	rr	36	92	33	6	6	–	–	10	10	1500	6	4
	Mildenhall ...	99·0	-54	SE'S	5	ss	34	97	33	4	6	2	–	7-8	10	800	4	*
	Cranwell ...	93·9	-66	SE	4	sf	32	97	32	3	–	2	–	10	10	600	7	*
3	Birmingham ...	92·5	-44	W	4	rs	35	97	35	5	6	–	–	10	10	800	6	*
	Upper Heyford	93·7	-32	W	4	c/pr	37	92	34	6	5	–	–	9	9	800	1	*
4	Ross-on-Wye	94·4	-20	W	6	ir	39	92	36	8	–	2	–	10	10	1500	1	*
5	Hartland Point	00·2	-4	WNW	6	cjp	44	65	32	8	3	6	–	7-8	7-8	1200	1	5
	Bristol ...	96·4	-16	W	5	c	40	85	35	7	9	7	–	4-6	7-8	1200	1	*
	Portland Bill ...	98·6	+6	NW	6	c	44	92	42	7	5	–	–	7-8	7-8	2500	1	6
	Plymouth ...	02·5	0	NW'W	6	bc	44	85	40	8	8	–	1	4-6	4-6	2000	1	4
	The Lizard ...	05·2	+4	NW	7	bc/fbr	42	85	37	8	8	–	–	4-6	4-6	1500	1	5
	Scilly (St. Mary's)	06·4	+6	NW'N	7	c/pr	47	75	39	7	8	–	–	9	9	1200	1	5
	Guernsey ...																	
6	Pembroke ...	99·2	-4	WNW	6	cq	44	65	34	7	8	6	–	4-6	7-8	2000	1	5
7	Holyhead ...	99·4	-6	NW'W	7	c	44	75	38	7	5	7	–	7-8	10	1500	2	6
	Chester (Sealand)	00·5	-38	W'N	6	iR	41	85	37	6	6	2	–	7-8	10	600	2	*
8	Manchester ...	01·1	-32	SE'S	3	sh	33	97	33	4	–	2	*	10	10	1500	4	*
10	Spurn Head ...	05·9	-36	SE	5	rr	36	97	36	6	–	2	–	10	10	1500	6	4
	Catterick ...	95·6	-16	E	3	ss	34	97	33	2	–	2	–	10	10	500	7	*
	Tynemouth ...	98·0	-8	SSE	4	o/r	38	92	37	6	–	2	–	10	10	1500	1	3
11	St. Abbs Head	98·2	+4	SE	4	c	39	92	33	6	5	2	–	7-8	10	2000	4	3
	Leuchars ...	99·2	+6	SE	2	r	37	97	36	6	5	–	–	10	10	1100	2	*
12	Renfrew (Abbots I.)	99·2	+18	NE'E	2	c/r	35	85	32	5	5	2	–	4-6	9	2000	1	*
	Eskdalemuir ...	96·9	+4	NE'E	3	o	33	97	33	6	5	–	–	10	10	300	9	*
	Point of Ayre ...	99·3	+12	E	4	r	37	97	36	6	6	2	–	7-8	10	1500	1	
13A	Tiree	99·7	+20	ENE	3	bc	40	85	35	8	5	3	–	2-3	4-6	2800	0	*
13B	Stornoway ...	02·4	+12	NNW	3	c	35	97	34	8	2	4	6	1	7-8	3000	1	2
15	Dalwhinnie ...	01·4	-8	–	0	c	29	92	26	7	8	–	–	9	9	2500	8	
	Aberdeen ...	01·7	+8	NW	2	cj–	27	85	23	3	8	–	–	9+	9+	1400	8	3
	Wick ...	02·9	+14	W'S	1	b	28	92	26	6	4	–	–	1	1	2500	8	*
16	Sumburgh ...	05·2	+10	SSE	4	rs	35	92	33	7	5	7	–	9	10	1200	6	4
17	Blacksod Point	03·5	+24	WNW	7	c/pr	45	85	41	7	9	–	6	9+	9+	1500	2	6
18	Malin Head ...	99·6	+96	NE'E	6	c	41	85	44	6	9	–	–	7-8	7-8	800	*	4
	Aldergrove ...	24·5	+18	NE'E	4	id	36	97	35	6	5	7	–	9+	10	500	2	*
19	Birr Castle ...	00·4	-2	NNW	7	c/pr	43	75	36	8	8	2	–	7-8	9	1500	1	
20	Valentia Obsy.	10·5	+14	NW'N	7	phr	46	65	35	8	3	7	–	7-8	7-8	2500	1	6
	Roches Point	04·8	-2	NW'W	7	cq	42	85	38	7	3	–	3	4-6	7-8	1500	1	*

PAST 24 HOURS.

Weather. 7h.–13h. 30th (39)	13h.–18h. 30th (40)	18h. 30th – 1h. 31st (41)	1h.–7h. 31st (42)
mir cm o	r rir o	r r ir rm o	cm oc dm o
cm pr o	cm tlrs	rs r rm o	cm o
cpr d m o	dr o RRq RRq	crr d d m	ir o m d c
air m o	cq r r TLHq pr	c c r r q	c
cer m o	ctlr bcm o	ir o c pr o	pro ir o bc
bc r c m o	cr o Rsm	RS r r o	cm o
bm cm o 2 o	r o r o rsm	rs r r c m o	cm o
bm o r c m o	cr o s m o	rs r s r o r o	cm o
bc m o c m	cm r r m o	ux s m r r	cm o c
c 2 o	o r o r r	o s r o r c	d c r o c
bcm o r c m o	cm r r 6 s	o m r s r s c	cc i r o m o
bc c m m o	cm s s o f	o f o s s m	o m o
c b r s	r s s r s	o r s r b c	bc o i r o s f
bc c m o	cr r d r m o	r d m b c	cm o i d o
cor o	r h p e r	cq c b	c
cd r r c	r e p r	c i r a c	c
cm o i r o	bc c	c d a r m q	cm o q
c r r o	c p r	c	c
c r r m bc	c r r o	c r r o	c b c
m q	p h r bc	c p r	c p r b c
c i d o i d	o d e p o	c b c c	c p o
c p r q	c p r q	c p r q	c b c q
r	o r r f m o	c i d o m	c b c m o
c m m r r r	s s k q m r s m	r r f m c	c m o r o r o
r	s s s o s o	s o f d o	i r o m o
o c	o r r	o r o c	c
c m o c f f f	o f s s o	r s c s r o	f r o e m o
s f f c m o	o r r o	o i r i r o	o i r o c
b c c	c	s h d o c	c d r s c
c x b c c m o	c m c r r m o	r m c s s	S p h g c m o
s p h r r o	r o f i r c m o	c i n b c	b c f g c
b c c o s o	o s s o	o i s o	o p s o
r	r r r o	r o b c c	c b c b
o r r r o	b c	b c	b c
c	c	c	b c c
b a o	a c	c s * S S	c 2 o
b c c i s f	b c z c f	b e j p b	p s h c m o
b b c	b e j p b	p s h c m o	p r o s c m o
c p s o	c r s o	c r s o c	c i s o s s m
p r	p r	c	r
r	d	b c	b c
i r o r s s s m	i r i d o	c i d c m o	b x b c c
p r	p r	*	p r
p r	p r	p r	p r
p r	p r	b · b e	p r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday Jan: 31st 1942

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light N.E. wind becoming variable; cloud decreasing; slight local rain, snow or sleet at first; fog near large towns tonight; cold with night frost.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England	Light northerly or variable wind; variable cloud; fog tonight near large towns; cold with night frost.
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 wind becoming West; variable cloud; slight snow locally today; cloud increasing with occasional rain in west later; cold; frost at night.
16 Orkneys and Shetlands	Moderate S. wind veering W.; cloudy with snow at first; fair later; cold.
17 N.W. Ireland 18 N.E. Ireland. 19 S.E. Ireland 20 S.W. Ireland	Moderate N.W. wind backing W.; cloudy; occasional rain; cold in east temperature rising slightly in west.

GENERAL INFERENCE

A depression to S.E. of the British Isles appears to be receding and a feeble trough to westward of Ireland is moving slowly east. Pressure will become rather uniform over England and Scotland. There will be occasional rain in the extreme west but elsewhere weather will become fair apart from slight local rain, snow or sleet. Fog will develope tonight in industrial areas. It will be cold generally with night frost except in the extreme west.

FURTHER OUTLOOK

Cold in England and Wales with frost at night. Occasional rain in Ireland and Scotland.

Forecasts issued at 1030 G.M.T

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

7h. Saturday 31st January 1942.

10° 5°W. 0° 5° E 10°

60° 55° 50°

1008 1010 1012 1014

LOW

HIGH

HIGH

LOW

1020 1018 1016 1014 1012 1010 1008 1006 1004 1002 1000

STATION MODEL

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

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

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)

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 31st January

1942.

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

Statute Miles 0 1 2 3 4 800

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Saturday 31st January 1942

No. 29290.

OBSERVATIONS at 1 hr. G.M.T. 31st January

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	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	*	*	*	*	*	36	*	*	*	*	*	*	*	*	*
	Croydon ...	217	92.4	+12	N'W	4	o/r	36	92	34	6	6	-	-	7-8	10	1500
	S. Farnborough	226	93.5	+6	N	4	zo	37	85	33	6	5	-	-	10	10	2000
	Boscombe Down	417	95.6	+22	N'W	6	c/r	37	85	34	7	5	7	-	4-6	10	1200
	Thorney Island	10	93.4	+2	NW'W	4	pr	41	85	37	8	8	-	-	7-8	9+	2500
	Lympne ...	346	92.1	-6	N'W	4	o/r	34	97	34	5	6	-	-	10	10	1100
	Manston ...	154	90.8	0	NW	4	zo	34	97	33	5	5	-	-	10	10	400
2	Shoeburyness ...	11															
	Felixstowe ...	15	92.3	+16	NE	5	zo	35	92	33	6	5	-	-	9+	9+	2600
	Gorleston ...	5	95.4	+10	ESE	5	o/rs	34	85	30	6	5	-	-	10	10	1000
	Mildenhall ...	19	93.9	+26	NE'N	4	c	34	97	32	5	5	-	-	10	10	700
	Cranwell ...	240	98.7	+50	NE	4	c	34	97	34	7	5	-	-	10	10	400
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	96.2	+50	N	5	zo	33	97	32	6	6	-	-	10	10	400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	02.0	+40	NW	8	c	43	75	36	7	6	2	-	7-8	10	1500
	Bristol ...	209	98.1	+40	NNE	5	q	37	85	33	6	5	-	-	10	10	1900
	Portland Bill ...	32	95.5	-16	W	6	c	41	85	37	7	2	-	-	9	9	4000
	Plymouth ...	82	01.1	+2	NW	8	c/r	44	85	40	7	5	2	-	9	10	1000
	The Lizard ...	240	01.7	-24	NW	9	pr	45	85	40	7	8	2	-	7-8	10	1500
	Scilly (St. Mary's)	163	06.6	+10	NNW	8	c	47	75	39	8	8	-	-	9+	9+	1200
	Guernsey ...	175															
6	Pembroke ...	142	03.0	+58	NW	8	c/pr	43	85	38	7	8	-	-	9+	9+	2500
7	Holyhead ...	26	04.0	+64	N'E	4	zo	41	85	36	6	5	-	-	10	10	3000
	Chester (Sealand)	16	02.7	+70	NNW	3	zo	37	85	33	6	5	-	-	10	10	1800
8	Manchester ...	235	01.4	+62	NNW	3	zo	35	97	34	6	5	-	-	9	10	2500
10	Spurn Head ...	29	99.1	+36	NE	3	c	36	97	36	7	5	7	-	4-6	9+	2500
	Catterick ...	175	02.8	+26	NW'N	2	rf	35	97	34	3	5	7	-	4-6	9+	1800
	Tynemouth ...	108	03.3	+28	ENE	7	ir	36	97	35	7	-	2	-	10	10	1500
11	St. Abbs Head	280	06.0	+40	ESE	4	ido	36	97	36	7	5	2	-	7-8	10	1500
	Leuchars ...	36	06.6	+36	ENE	2	ss	32	97	32	2	-	2	-	10	10	300
12	Renfrew (Abbotsl.)	19	07.5	+36	NW'W	1	bc	33	85	30	8	5	-	-	4-6	4-6	4600
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30															
13A	Tiree	22	07.7	+24	N'E	3	bc	40	85	36	8	2	-	-	2-3	2-3	2800
13B	Stornoway ...	80	08.2	+28	NW	2	c	35	97	35	8	5	3	-	2-3	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	26	*	*	*	*	*	*	*	*	*
	Wick ...	119	08.2	+28	SSE	2	c/ps	35	92	32	6	8	-	-	10	10	1500
16	Sumburgh ..	30	08.7	+14	S'E	4	c	36	75	30	8	8	3	-	4-6	9	2500
17	Blacksod Point	18	11.4	+54	N	3	c	44	85	40	8	5	-	-	9	9	1500
18	Malin Head ...	84	08.6	+32	N	4	bc	37	85	34	8	4	-	-	2-3	2-3	5700
	Aldergrove ...	268	07.7	+42	NW'W	2	c	34	97	33	8	1	7	8	Tr	7-8	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	15.3	+24	NNW	7	c	47	85	33	8	8	-	-	10	10	2500
	Roches Point	22	08.2	+40	NNW	8	bc	44	85	40	8	5	-	5	1	2-3	2500

OBSERVATIONS at 7 hr. G.M.T. 31st January

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	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)	06.5	+64	N	4	id.	36	92	33	6	5	2	-	9+	10	1500	1	*
	Croydon ...	05.6	+62	NNW	5	ir.	35	92	32	5	6	-	-	4-6	10	1800	1	*
	S. Farnborough	06.9	+54	N'W	3	o/d	36	85	33	6	5	-	-	10	10	800	2	*
	Boscombe Down	08.5	+52	N	4	o	36	85	33	7	5	-	-	10	10	1200	1	*
	Thorney Island	06.2	+66	N'W	4	c/r	37	92	33	6	5	-	-	7-8	7-8	1500	1	*
	Lympne ...	03.5	+82	N	5	zo	33	97	33	6	5	-	-	10	10	1500	1	*
	Manston ...	02.6	+70	N'E	6	zo	36	75	29	6	5	-	-	10	10	2500	4	*
2	Shoeburyness ...	05.0	+60	N	3	o	35	85	32	6	5	-	-	10	10	1800	6	*
	Felixstowe ...	04.0	+56	NNE	4	o	35	85	31	7	5	-	-	10	10	2500	6	4
	Gorleston ...	04.3	+38	NE	4	zo	36	85	32	6	5	-	-	10	10	1000	6	4
	Mildenhall ...	06.0	+52	N'W	3	o/r	34	97	33	6	5	-	-	10	10	2200	6	*
	Cranwell ...	08.9	+52	NE	4	zo	34	92	32	6	5	-	-	10	10	1200	8	*
3	Birmingham ...	09.0	+36	NNW	3	m/s	35	97	35	4	6	-	-	10	10	800	4	*
	Upper Heyford	07.8	+52	N'W	5	c/d	34	97	33	5	6	2	-	9	10	700	1	*
4	Ross-on-Wye	10.1	+40	N'W	2	c	38	85	34	7	5	-	-	9+	9+	2500	1	*
5	Hartland Point	11.4	+40	N	6	c	42	65	33	7	2	6	-	4-6	7-8	1500	1	5
	Bristol ...	09.6	+52	NNE	3	zo	38	85	33	5	5	-	-	10	10	2500	1	*
	Portland Bill ...	08.5	+60	N	5	o	39	85	36	7	5	-	-	10	10	2500	1	6
	Plymouth ...	10.7	+42	N'E	4	c	41	85	34	7	8	-	-	7-8	7-8	2000	1	4
	The Lizard ...	11.7	+40	NNW	5	bc	41	85	36	8	8	-	-	4-6	4-6	1500	1	5
	Scilly (St. Mary's)	13.5	+36	N	5	c/pr	45	97	44	8	8	-	-	9+	9+	1500	1	5
	Guernsey ...																	
6	Pembroke ...	12.3	+38	NNW	6	cq	41	75	35	7	8	-	-	4-6	7-8	2500	1	4
7	Holyhead ...	12.0	+40	N'E	4	bc	38	75	31	7	2	-	6	1	2-3	2000	2	4
	Chester (Sealand)	11.0	+44	NNW	2	zo	37	92	34	6	5	-	-	10	10	1700	1	*
8	Manchester ...	10.0	+40	NE'N	4	c	35	85	32	5	5	7	-	7-8	9+	1500	0	*
10	Spurn Head ...	07.4	+26	NE'N	5	c	35	75	28	7	8	-	-	9+	9+	2500	1	4
	Catterick ...	12.2	+46	NE'N	3	zo	33	85	30	5	5	2	-	7-8	10	1000	4	*
	Tynemouth ...	12.5	+24	NNE	5	c	34	75	28	7	8	-	-	9+	9+	1500	1	5
11	St. Abbs Head	12.4	+30	ENE	3	c	34	85	30	7	5	1	-	4-6	9	2500	4	3
	Leuchars ...	13.0	+34	SSW	1	zo	34	92	32	6	5	-	-	10	10	1800	6	*
12	Renfrew (Abbotsl.)	14.1	+34	SW	2	c	28	97	27	7	5	-	6	7-8	9	2500	3	*
	Eskdalemuir ...	13.4	+40	E'N	3	o	31	92	29	6	5	-	-	10	10	300	9	*
	Point of Ayre ...	12.8	+40	NNE	4	b	36	85	30	7	4	4	5	Tr	1	2500	1	4
13A	Tiree	13.4	+30	N'E	4	bc	42	85	39	8	2	-	-	4-6	4-6	2500	0	4
13B	Stornoway ...	13.0	+16	W	3	c	36	92	33	8	5	7	7	4-6	9	2500	3	2
15	Dalwhinnie ...	14.2	+26	-	0	b	33	85	07	8	5	-	-	Tr	Tr	4000	8	*
	Aberdeen ...	13.8	+26	SE	1	c	34	75	28	6	5	-	-	9+	9+	2100	9	3
	Wick ...	12.3	+18	SW	2	ps	32	85	29	6	8	-	-	10	10	1200	8	*
16	Sumburgh ..	10.4	+10	SSW	4	ss	32	97	32	4	-	2	-	10	10	300	7	4
17	Blacksod Point	17.7	+28	WNW	4	ro.	44	92	42	7	6	-	-	9+	9+	1500	1	3
18	Malin Head ...	14.6	+26	N	3	bc	42	75	33	8	2	-	-	4-6	4-6	5700	0	4
	Aldergrove ...	14.7	+30	-	0	c	30	85	26	8	5	-	-	9	9	3500	1	*
19	Birr Castle ...	16.6	+26	N	1	bc	38	85	34	8	5	-	-	2-3	2-3	4000	1	
20	Valentia Obsy.	20.4	+24	N	5	pr	47	65	36	8	8	7	-	7-8	9+	2500	1	*6
	Roches Point	17.6	+48	N'W	4	c	43	85	39	8	5	-	5	4-6	9	2500	1	

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 30th Hrs. (38)
1	London (Kew)	40	35	33	7	4	0.0
	Croydon ...	40	34	33	11	5	0.0
	S. Farnborough	41	34	33	11	5	0.0
	Boscombe Down	41	34	33	12	0.2	0.0
	Thorney Island	42	35	35	9	0.3	*
	Lympne ...	39	31	30	4	6	0.3
	Manston ...	39	32	29	4	7	0.0
2	Shoeburyness ...	39	32	32	6	6	0.0
	Felixstowe ...	37	32	32	3	8	0.0
	Gorleston ...	36	33	32	4	8	
	Mildenhall ...	38	32	32	4	6	0.0
	Cranwell ...	36	32	32	5	1	0.0
3	Birmingham ...	36	32	31	13	4	0.0
	Upper Heyford	38	33	30	10	2	*
4	Ross-on-Wye	41	35	33	8	Tr	0.4
5	Hartland Point	45	40	39	4	1	0.6
	Bristol ...	46	36	34	10	0.4	0.0
	Portland Bill ...	46	37	*	5	0.2	*
	Plymouth ...	48	39	33	4	5	0.0
	The Lizard ...	47	39	*	3	0.5	0.0
	Scilly (St. Mary's)	50	45	*	1	0.4	0.0
	Guernsey ...						
6	Pembroke ...	47	35		6	0.2	0.3
7	Holyhead ...	45	37	32	19	Tr	*
	Chester (Sealand)	41	35	31	12	1	0.0
8	Manchester ...	37	32	31	13	1	
10	Spurn Head ...	36	35		1	5	0.0
	Catterick ...	38	32	32	3	5	0.0
	Tynemouth ...	39	34	32	1	5	*
11	St. Abbs Head	39	33		-	1	
	Leuchars ...	38	32	30	Tr	5	0.0
12	Renfrew (Abbotsl.)	39	27	20	2	-	0.0
	Eskdalemuir ...	34	29	25	3	0.2	0.0
	Point of Ayre ...	42	36	*	11	Tr	0.0
13A	Tiree	41	39		3	-	0.0
13B	Stornoway ...	42	31	*	-	0.6	4.6
15	Dalwhinnie ...	33	9	7	-	-	0.0
	Aberdeen ...	32	26	26	0.3	14	0.0
	Wick ...	36	32	*	0.1	3	*
16	Sumburgh ..	36	32	32	0.4	6	0.0
17	Blacksod Point	47	42		6	2	
18	Malin Head ...	44	32	*	*	Tr	0.0
	Aldergrove ...	40	28	24	15	Tr	0.0
19	Birr Castle ...	46	37	33	5	1	2.1
20	Valentia Obsy.	50	42	39	3	0.3	0.8
	Roches Point	48			5	0.6	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 30th January				18h. G.M.T.				01h. G.M.T. 31st January				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	00851	00013	8-	05664	00013		02	71538	15378		33	23744	20378	
115	54	01943	14224	54	01943	08214		54	01951	08114		82	83834	28288	
103	54	02514	08326					50	01944	04204		70	01945	00023	
206	53	02764	16127	53	00762	00013		53	00862	26203		53	01864	24114	
210	23	01951	12115	24	00852	00113		8-	02854	20378		53	02855	20227	
220	52	03854	14468									50	01754	00003	
230	02	02848	06378	74	02983	06225		00	00990	04810		54	00861	00012	
245	07	02690	26117	87	05684	00027		52	23748	40378		5-	02747	12127	
260	57	05566	04128					83	02765	18127		5-	05657	00027	
278	5-	64648	13378	87	02764	08474		03	05674	31424		50	00852	02302	
279	02	62648	08368					5-	62648	32268		5-	02757	02327	
285				84	77309	06579						02	23628	04488	
288	57	05656	13228					9-	81448	32268		5-	05547	05327	
575	62	62637	59768	5-	61838	27668		47	25743	28283		40	01762	30114	
301	5-	68438	13468	02	24338	12328		5-	05558	02448		5-	03658	01388	
321				02	72548	46478		52	02755	02378		5-	05547	32367	
299	5-	05547	20217	5-	64648	18568		50	22648	08468		5-	05648	09628	
292	57	43355	10248	02	72338	09378		02	68648	29278		5-	02755	35575	
310				--	77209	20449						--	77209	04449	
614	62	41445	18348	02	72428	14378						53	24435	02266	

13h. G.M.T. 30th January				18h. G.M.T.				01h. G.M.T. 31st January				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	64527	49568	22	02854	28768		52	02646	30488		2-	02764	32515	
334	--	24547	20378	--	66547	20368						--	03557	22328	
340	62	68434	15378	5-	62538	16368		5-	61438	65368		5-	05534	28378	
136	57	05574	19318	02	69448	14478		5-	05624	04377		5-	05638	03368	
336	62	64626	24468												
350				52	24638	18278		5-	41528	34568		5-	05638	63528	
368	62	64436	16468					5-	02646	28586		54	05651	32112	
379								62	05635	65528		52	24637	65478	
390	52	57356	17358	02	74328	21468		5-	47335	01278		5-	05546	64428	
382	52	62654	18428	82	81746	24427		5-	05648	65528		5-	61648	64428	
438	62	10625	20628									5-	02838	32728	
430	62	63536	18428	53	61648	24497		5-	05647	61587		5-	05648	37728	
409	62	64526	51768	20	01754	60784		62	22756	63768		57	01854	31624	

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
$C_L C_M$ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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LONDON OBSERVATIONS

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

Stations	Weather. Morning	Weather. Afternoon	Weather. Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	mir.em.	rorrir.	Crocdrm.	Kew 24 hours ended 7h. Max. Time 0.3 8th 30th
Croydon ...	em.,prs	emotlrs	rsrrcm.	
Greenwich ...	c	crorsr	rrcm	
Camden Square	c	c		
Kensington ...	bcor	or		Min. Time 0.1 2-9th, 31st
Hampstead ...	bcx	ors	or	

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	40	35	33	7	4	0.0	*	*
Croydon ...	40	34	33	11	5	0.0	*	*
Greenwich ...	40	34	32	8	6	0.0	86	92
Westminster ...	42	36	35	14			87	98
Regents Park ...	41	32	29	8	6		87	90
Camden Square	40	33	31	8	5	*	*	92
Kensington ...	41	35	32	4	8		91	90
Hampstead ...	39	32	29	4	9		*	91