M.O. Form 2373

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THE DAILY WEATHER REPORT

BRITISH SECTION

1st April to 30th June,

1943

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

INTRODUCTION

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Cloud Form Abbreviations

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

Cloud Amount – Columns 13, 14, 28, 29

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

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

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

Code for State of Sea (S)—Column 32

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

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

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

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

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

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

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

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

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

GALE WARNINGS*

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

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

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

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

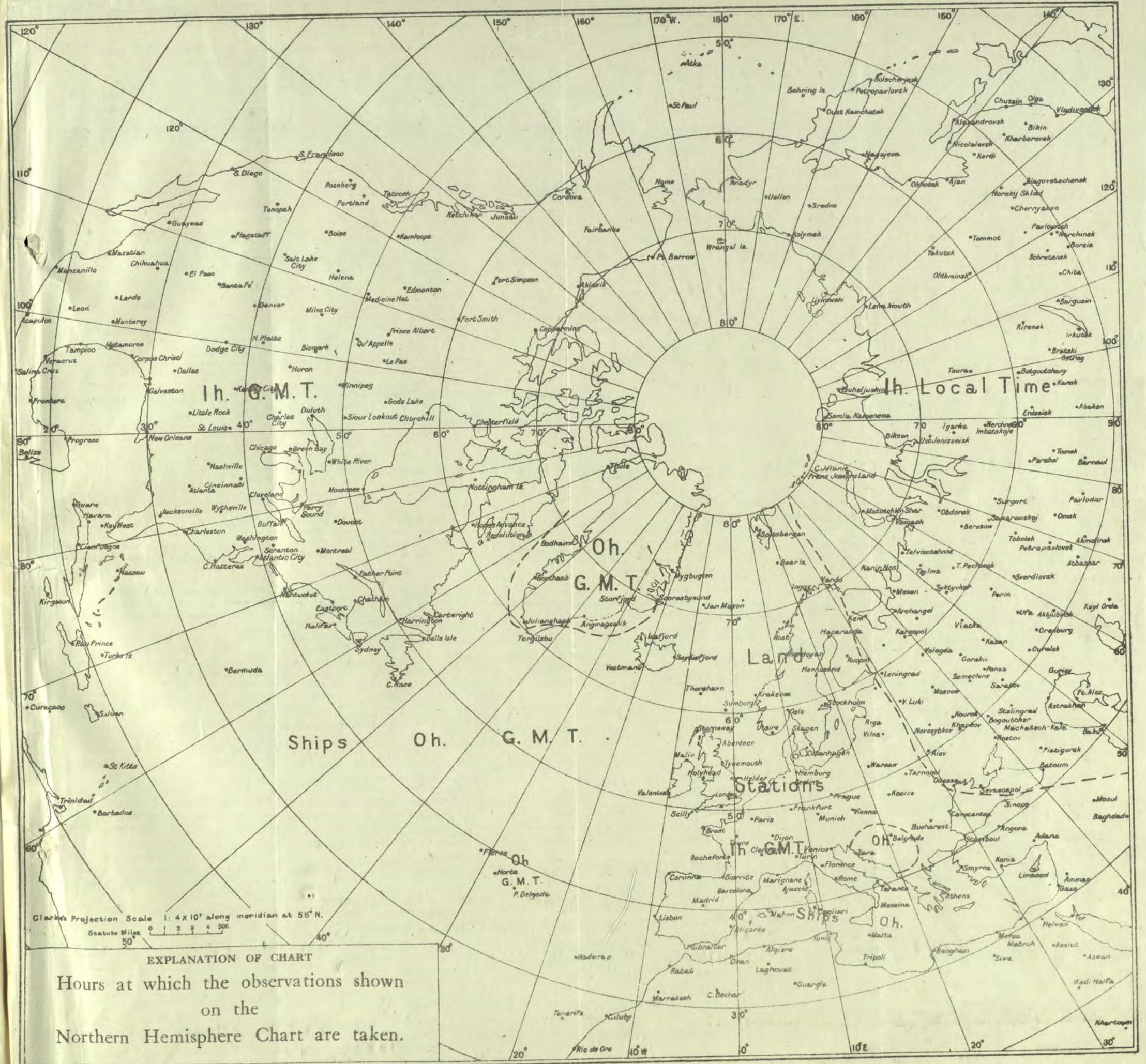
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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

▲ North Cone hoisted: ▼ South Cone hoisted:

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

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



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.

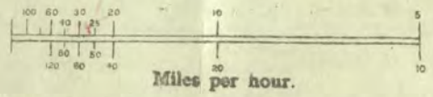
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the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

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

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

GEOSTROPHIC WIND SCALES

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



Miles per hour.

This scale applies under the following conditions:—

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

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

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

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

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

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

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

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

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

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

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

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

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

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

DUPLICATE ~~SECRET~~

THE DAILY WEATHER REPORT

MONTHLY SUPPLEMENT,

OF THE METEOROLOGICAL OFFICE, LONDON

May 1943. No. 317.

A very mixed month; exceptional extremes of pressure and temperature; wet, mild and sunny.—

From the 1st to 5th. pressure was high to West and low to North and South of Britain; it was cool, and except for a wet day in the SE on the 1st was mainly dry. Maritime polar air reached northwest districts on the 5th and had spread over the country by the 6th. On the 7th a depression off Ireland moved east and then northeast, to cross central England on the 8th. During its passage it deepened considerably and pressure in North Wales fell to 968 mbs — a record for May for over 50 years. It was followed by another intense depression on the 10th. The four days 7th - 10th were cold and wet generally, there were widespread severe gales, snow or sleet fell in Scotland and as far south as Central Ireland and Yorkshire. Hail showers were fairly general and in SW England there were thunderstorms. Maxima were generally 10°F. or more below average — Catterick reported 37°F on the 10th — and falls of 10 - 20 mms. of rain were common on the 7th, 9th and 10th while Aberdeen recorded 47 mms. on the 8th. The spreading of the continental anticyclone on the 12th, forced subsequent depressions on to a more northerly track and by the 14th most of Britain was covered by warm air. Abundant sunshine sent Maxima in the SE. well over 80°F — a record for May for at least 13yrs. (85°F was recorded at Croydon and Shoeburyness).

The strong ridge, behind a feeble cold front which crossed the country on the 14th, intensified very considerably on the 15th and by the 16th was centred over Ireland as an anticyclone of abnormal intensity. Pressure at Dublin rose to 1042 mbs — another record for over 50 years. This anticyclone declined slowly and by the 22nd weather was again cyclonic, but until then very pleasant conditions obtained generally, all areas enjoying abundant sunshine (14 hours per day) and it was generally warm inland, though cool on the E and S.W. coasts. The 24th was wet and cold in England, particularly in the SW where maxima were again 10°F below average. Anticyclonic conditions were re-established on the 27th and it was generally warm, dry and sunny until early on the 30th when there were widespread thunderstorms of varying intensity over most of England and in NE Ireland; 27 mms were recorded at Birmingham. After the storms it was generally fair or sunny, hot in the south and warm elsewhere. Unsettled conditions with much cloud and rain in the S.W, spread eastwards over the country during the 31st.

Mean temperatures for May were above average for the 6th successive month. The excesses were smaller however, being +2°F in the SE. and less than +1°F in Ireland, West Scotland and SW. England.

Except in the extreme E. and NW. rainfall was well above average for the month, excesses being most marked in the S.W. where they exceeded +40 mms. At Aldergrove it was the wettest May on record, the previous highest being in 1931.

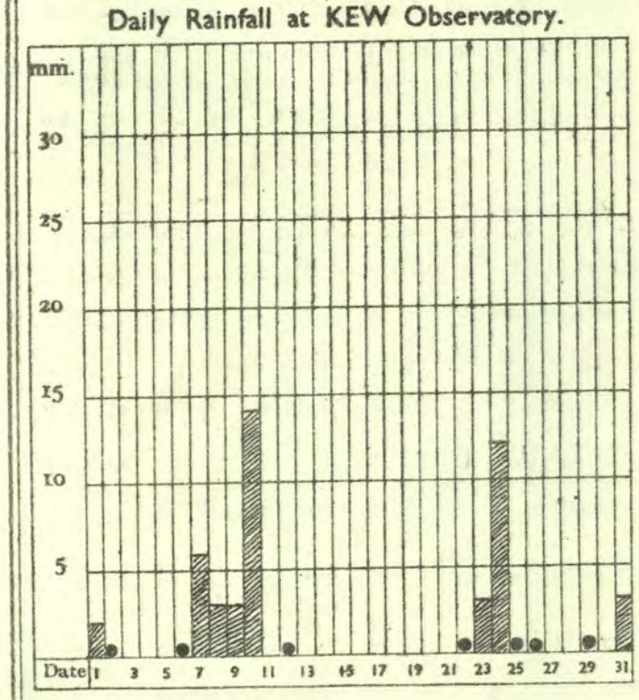
The month was sunny everywhere. In most districts of England and in NE. Ireland excesses of 40 - 60 hours were common. Aldergrove with a total of 234 hours equalled its previous record attained in 1927.

Gales were reported from Shetlands, West Scotland and North Wales during the 11th - 13th, otherwise they were confined to the stormy period 8th - 10th.

Isolated thunderstorms thunder or lightning were reported on several days.

Coastal Fog. was frequent off NE. and E. districts and was prevalent off the SW. or W. coasts on the 12th - 14th., 20th - 22nd., and the 26th.

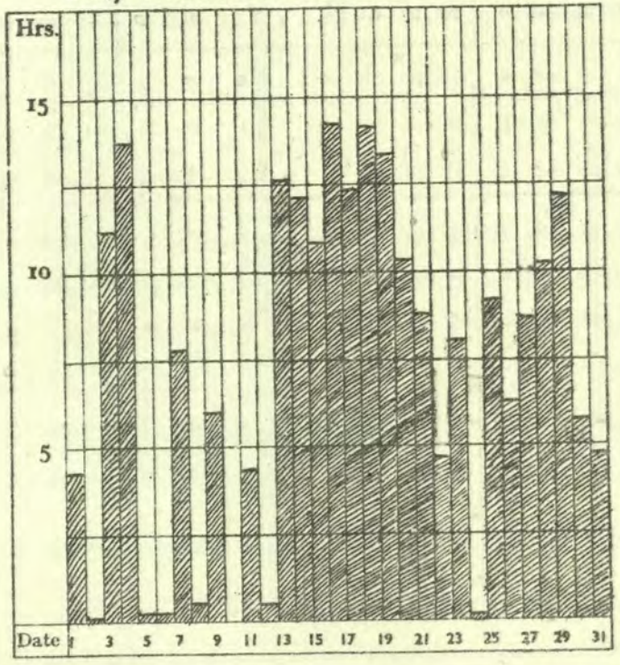
Daily Rainfall at KEW Observatory.



● = less than 0·5 mm.

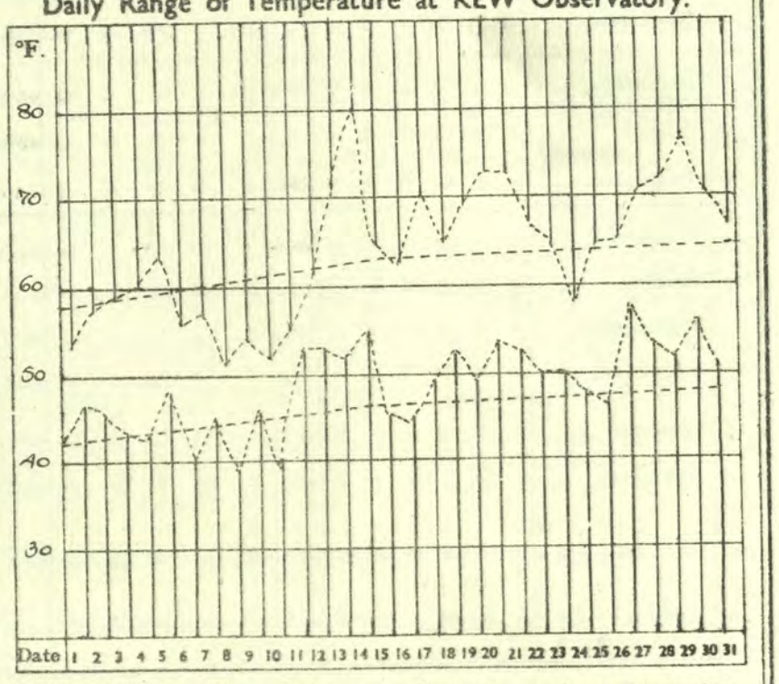
RAINFALL. Total for Month. 48 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 226 hrs.

Daily Range of Temperature at KEW Observatory.



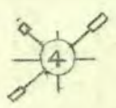
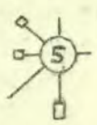
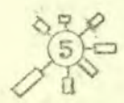
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal value.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb	mb.	°F.	°F.
Kew	1017·7	+1·8	56·3	+1·8
Aberdeen	1015·0	0·0	49·2	+1·1
Valentia	1017·0	+1·7	52·5	+0·7

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

WIND FREQUENCIES at 7 hr.

Kew	Aberdeen	Valentia
		
4	5	5

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 ...	7241
Aberdeen ...	5543
Lerwick ...	14373
Valentia ...	*

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District	Stations.	† TEMPERATURE. Number of daily readings within fixed limits. Maximum. 33°-41°	42°-58°	51°-59°	60°-68°	69°-77°	78°-86°	Average Maximum. °F.	Minimum. 24°-32°	33°-41°	42-50°	51°-59°	60°-68°	Average Minimum. °F.	Extremes—Warmest and Coldest. Days. Highest Max. °F.	Date.	Lowest Max. °F.	Date.	Nights. Highest Min. °F.	Date.	Lowest Min. °F.	Date.	Number of Ground Frosts.	LOW CLOUD. Number of observations within fixed limits. 7 h. Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	13 h. Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	18 h. Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	FOG, MIST and GOOD VISIBILITY. Number of observations within fixed limits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
1	London ... (Kew Obsy).	0	0	10	10	10	1	62·5	0	3	16	12	0	46·6	80	14	51	8	58	27	39	9	5	4	18	2	2	25	0	3	21	1	0	0	0	0	7	0	0	0	0	22
	Croydon ...	0	0	9	10	11	1	61·7	0	6	15	10	0	48·3	85	14	51	10	59	14	37	7	1	4	14	0	1	26	0	1	20	1	0	0	0	1	10	0	0	0	0	22
	Thorney Island	0	0	8	13	10	0	60·8	0	5	17	9	0	47·4	73	19, 20, 29	52	25	55	27	37	7	2	5	11	1	0	25	0	1	19	0	0	0	0	0	21	0	0	0	0	23
	Lympne ...	0	0	12	12	7	0	58·5	0	6	18	7	0	44·5	73	14, 20	51	1	56	14	37	7	* 1	5	9	0	3	20	0	5	11	0	0	0	0	1	17	0	0	0	0	26
2	Shoeburyness...	0	0	13	8	9	1	60·7	0	6	15	10	0	44·5	85	14	53	9	58	27	38	11	0	0	13	0	0	24	0	0	19	1	0	0	1	0	9	0	0	0	0	27
	Gorleston ...	0	0	17	13	0	1	56·8	0	2	17	12	0	45·8	82	14	51	1, 4	59	27	37	11	0	4	10	0	2	15	0	1	18	0	0	0	0	0	21	0	0	0	0	24
	Cranwell ...	0	0	10	11	10	0	60·2	0	10	17	4	0	42·4	75	14	52	9	55	14	35	11	1	9	10	0	3	25	0	1	21	1	0	0	0	0	10	0	0	0	0	23
3	Birmingham ... (Edgbaston)	0	2	9	12	8	0	58·7	0	10	14	7	0	44·1	73	19	48	8	55	14, 30	35	11	4	5	10	1	2	25	0	3	23	0	0	0	4	6	9	0	0	0	1	27
4	Ross-on-Wye...	0	1	10	11	5	0	60·9	0	8	17	6	0	44·4	78	29	48	8	55	13	33	5	4	3	19	0	1	27	0	0	26	0	0	0	1	0	21	0	0	0	0	28
5	The Lizard ...	0	0	21	10	0	0	*	0	2	19	10	0	*	65	14, 15	51	8	57	21	41	4, 9	*	7	21	0	3	26	0	3	27	0	0	0	6	1	2	0	0	0	0	24
7	Holyhead ... (Valley)	0	1	18	10	2	0	54·8	1	7	21	2	0	46·5	74	18	49	8	53	30	32	10	1	6	17	0	5	19	1	4	18	2	0	0	1	0	23	0	0	1	0	26
8	Chester ... (Sealand)	0	0	12	16	3	0	59·6	1	9	15	6	0	43·5	73	18, 19	51	6	58	14	32	5	7	1	21	0	0	26	0	0	27	0	0	0	0	3	14	0	0	0	0	22
10	Tynemouth ...	1	5	16	9	0	0	53·9	0	8	21	2	0	44·1	66	12, 13, 27	40	10	57	14	35	11	-	3	19	0	1	28	0	1	24	0	0	1	0	3	16	0	0	0	0	23
11	Leuchars ...	0	2	17	11	1	0	55·4	1	10	13	1	0	41·3	69	17	42	8	53	14	31	10	3	4	22	1	2	27	0	4	24	0	0	0	0	1	19	0	0	0	0	21
12	Renfrew ...	0	3	13	13	2	0	57·6	0	12	18	1	0	41·6	76	18	42	8	51	14	33	10	8	3	23	0	3	26	0	2	27	0	0	0	1	4	16	0	0	0	0	23
	Eskdalemuir ...	1	4	11	14	1	0	55·4	6	16	9	0	0	38·7	72	18	39	10	49	14	28	11	10	10	12	0	3	27	0	4	27	0	0	0	1	0	21	0	0	1	0	27
13B	Stornoway ...	0	5	23	3	0	0	52·8	3	9	20	0	0	42·2	65	19	46	8, 9	50	27	28	7	5	3	25	0	3	27	0	2	27	0	0	1	0	0	26	0	0	0	0	27
15	Aberdeen ...	0	6	17	8	0	0	53·9	1	10	20	0	0	42·2	67	27	44	8, 10	49	13, 31	32	10	4	5	18	1	5	22	3	5	17	3	0	0	1	3	21	0	0	0	0	21
18	Aldergrove ...	1	4	11	14	1	0	58·5	0	13	15	3	0	42·9	69	17	41	8	52	19, 30	33	10	6	3	25	0	3	25	0	3	23	2	0	0	0	0	25	0	0	0	0	26
19	Birr Castle ...	0	4	8	15	4	0	58·9	2	13	13	3	0	43·2	71	17, 18	44	8	51	19, 21, 26	30	11	5	6	18	0	7	22	0	3	24	0	0	0	1	1	29	0	0	0	0	30
20	Valentia ... (Cahirciveen)	0	2	15	13	1	0	56·9	0	6	18	7	0	46·7	69	29	48	10	54	19, 26	39	11, 16	0	4	25	0	2	26	0	1	27	0	0	0	0	0	27	0	0	0	0	30

UPPER AIR TEMPERATURE.

Pressure mb.	Normal Height. Feet.	Bircham Newton. Normal Temp. °F.	Mean. °F.	No. of Reports.	Aldergrove. Mean. °F.	No. of Reports.	Penzance. Mean. °F.	No. of Reports.
950	1830	47·5	48·0	62	43·9	62	48·6	31
850	4810	36·9	38·7	62	34·1	62	40·9	31
750	8030	26·9	29·9	62	26·0	62	31·8	31
650	11770	15·7	18·9	62	15·8	62	20·9	31
550	15260	2·9	5·3	62	1·5	62	7·7	31

UPPER WINDS.

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

Station. Height. Metres.	Lympne. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Exeter. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Holyhead (Valley). *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Prestwick. *No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Station. Height. Metres.
		kilometres per hour.						kilometres per hour.						kilometres per hour.						kilometres per hour.					
500 above ground	62	24	29	6	0	0	28	13	9	0	0	0	65	30	25	1	0	0	47	30	12	1	1	0	500 above ground.
1000 above M.S.L.	56	15	32	4	0	0	23	13	8	0	0	0	55	28	21	0	0	0	37	20	14	1	1	0	1000 above M.S.L.
2000 " "	36	13	16	7	0	0	17	6	10	1	0	0	32	21	11	0	0	0	16	7	6	2	0	0	2000 " "
3000 " "	21	9	11	1	0	0	8	1	6	1	0	0	22	12	9	1	0	0	9	5	3	1	0	0	3000 " "
4000 " "	13	6	7	0	0	0	3	2	1	0	0	0	13	10	3	0	0	0	5	3	2	0	0	0	4000 " "

* No record between 16th to 23rd inclusive.

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

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

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

SUNSHINE, RAINFALL, AND HUMIDITY — MAY 1943

District	Stations	SUNSHINE: Number of Days with Duration — Nil	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	SUNSHINE: Maximum Duration — Hours	Date	SUNSHINE: Total for past 12 months — Hours	Difference from average — Hours	SUNSHINE: Total for Month — Hours	Difference from average — Hours	SUNSHINE: Highest and Lowest Totals on record for Month — First year of record	Highest — Hrs.	Year	Lowest — Hrs.	Year
1	London ...	2	5	6	5	13	14·2	16	1461	−8	226	+28	1880	315	1909	114	1932
	(Kew Obsy).																
	Croydon ...	1	6	2	6	16	14·5	16	1615	+90	253	+62	1922	286	1922	115	1932
	Thorney Island **	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	1	4	3	6	17	14·5	18	1803	+38	276	+51	1921	311	1922	164	1932
2	Shoeburyness ...	1	3	6	5	16	14·3	18	1666	−50	264	+40	1919	290	1922	146	1932
	Gorleston ...	2	4	4	2	19	14·8	18	1703	+60	277	+54	1908	304	1919	127	1932
	Cranwell ...	1	2	6	5	17	14·7	18	1630	+32	268	+79	1921	291	1922	99	1932
3	Birmingham ...	3	5	5	6	12	14·2	18	1378	+74	212	+41	1887	252	1903	83	1932
	(Edgbaston)																
4	Ross-on-Wye ...	2	5	6	5	13	14·6	18	1554	+69	235	+49	1915	246	1922	104	1932
5	Falmouth ...	2	6	7	5	11	14·4	17	1713	+3	218	+11	1881	336	1896	152	1925
	(Observatory)																
7	Holyhead	*	*	*	*	*	*	*	*	*	*	*	1914	267	1925	154	1920
	(Valley)																
8	Chester ...	0	10	5	3	13	14·7	23	1550	+174	225	+59	1923	242	1929	109	1932
	(Sealand)																
10	Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	1935	*		*	*
11	Leuchers ...	5	5	6	5	10	14·1	29	1567	+37	197	+20	1922	256	1942	119	1933
12	Renfrew ...	3	5	6	6	11	12·2	15	1170	−23	200	+38	1921	202	1942	106	1925
	Eskdalemuir ...	5	4	8	3	11	13·9	24	1167	−34	189	+28	1910	223	1919	102	1924
13B	Stornoway ..	2	10	5	8	6	14·5	18	958	−257	164	+15	1881	279	1882	134	1920
15	Aberdeen ...	4	7	6	7	7	15·1	27	1274	−55	177	+7	1881	249	1881	105	1927
18	Aldergrove ...	3	3	6	5	14	14·3	18	1285	−41	234	+46	1927	234	{1927 1943	116	1933
19	Birr Castle ...	2	9	8	2	10	13·9	17	1162	−144	184	+15	1881	268	1901	107	1925
20	Valentia ...	1	11	4	6	9	14·8	17	1284	−84	192	+8	1880	296	1896	139	1914
	(Cahirciveen)																

District	Stations	RAINFALL: ‡Number of days with amount — 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hours — mm.	Date	Total for past 12 months — mm.	Difference from average — mm.	Total for Month.‡ — mm.	Difference from average — mm.	Highest and Lowest Totals on record for Month — First year of record	Highest — mm.	Year	Lowest — mm.	Year	Days with Thunder	Days with Snow or Sleet
1	London ...	21	1	6	3	0	0	15	10	588	−18	48	+4	1856	106	1856	4	1896	2	0
	(Kew Obsy).																			
	Croydon ...	21	2	4	3	0	1	25	10	735	+56	66	+19	1921	103	1932	11	1936	1 †	0
	Thorney Island **	21	3	3	3	1	0	19	24	656	−37	53	+11	1881	106	1932	3	1936	0	0
	Lympne ...	21	1	6	3	0	0	14	10	665	−69	46	+6	1920	108	1930	14	1936	1	0
2	Shoeburyness ...	21	4	5	0	0	1	27	1	530	+27	44	+11	1920	79	1924	9	1936	1	0
	Gorleston ...	23	1	5	2	0	0	12	1	628	+6	30	−14	1871	99	1924	3	1940	2	0
	Cranwell ...	20	3	2	5	1	0	17	29	559	−31	63	+17	1917	117	1932	13	1934	1	0
3	Birmingham ...	17	6	1	5	1	1	27	29	694	+20	102	+48	1893	173	1932	5	1896	1	0
	(Edgbaston)													1859	139	1886	5	1896	2	0
4	Ross-on-Wye ...	20	2	3	3	3	0	19	10	677	−40	86	+32							
5	Falmouth ...	18	3	5	0	5	0	21	31	914	−193	116	+60	1871	167	1942	1	1896	1	0
	(Observatory)																			
7	Holyhead	16	6	2	6	1	0	20	9	844	−43	79	+29	1871	121	1924	6	1895	2	0
	(Valley)																			
8	Chester ...	18	5	3	4	1	0	17	9	582	−50	61	+15	1922	114	1924	9	1922	1	0
	(Sealand)																			
10	Tynemouth ...	14	10	3	3	1	0	16	7	525	−96	66	+15	1915	151	1924	15	1929	0	1
11	Leuchers ...	18	1	8	3	0	1	25	8	502	−151	72	+22	1922	109	1938	21	1922	0	1
12	Renfrew ...	17	3	5	4	2	0	18	22	1127	+188	83	+23	1921	156	1925	13	1935	1	3
	Eskdalemuir ...	14	2	8	4	1	2	39	12	1565	+136	173	+89	1910	236	1925	15	1936	2	3
13B	Stornoway ..	13	5	11	2	0	0	12	12	1288	+87	51	−11	1870	132	1920	15	1896	2	2
15	Aberdeen ...	18	5	3	2	2	1	47	8	649	−99	109	+50	1871	124	1906	16	1876	0	1
18	Aldergrove ...	11	6	7	6	1	0	19	7	892	+54	93	+35	1926	98	1943	21	1939	2	1
19	Birr Castle ...	12	6	9	2	2	0	17	{9, 12	888	+61	80	+24	1862	126	1916	9	1896	0	1
20	Valentia ...	12	2	8	7	2	0	24	9	1082	−322	124	+43	1866	168	1913	6	1896	0	0
	(Cahirciveen)																			

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	0	2	3	4	13	6	3	0
Ross-on-Wye ...	0	0	1	4	9	7	10	0	0	0
Falmouth (Obsy.)	1	3	5	12	6	14	0	0	0	0
Renfrew ...	0	0	1	1	6	12	10	1	0	0
Eskdalemuir ...	0	0	1	2	4	7	9	5	3	0
Aberdeen ...	0	2	1	4	7	6	3	7	1	0
Valentia ...										

STATE OF GROUND AT 18 h.

No. of Days each Type was recorded

Stations	0	1	2	3	4	5	6	7	8	9
London (Kew)...	13	18	0	0	0	0	0	0	0	0
Ross-on-Wye ...	17	14	0	0	0	0	0	0	0	0
Renfrew ...	20	11	0	0	0	0	0	0	0	0
Eskdalemuir ...	20	10	1	0	0	0	0	0	0	0
Aberdeen ...	16	15	0	0	0	0	0	0	0	0
Valentia ...	2	29	0	0	0	0	0	0	0	0

CODE for State of Ground.

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

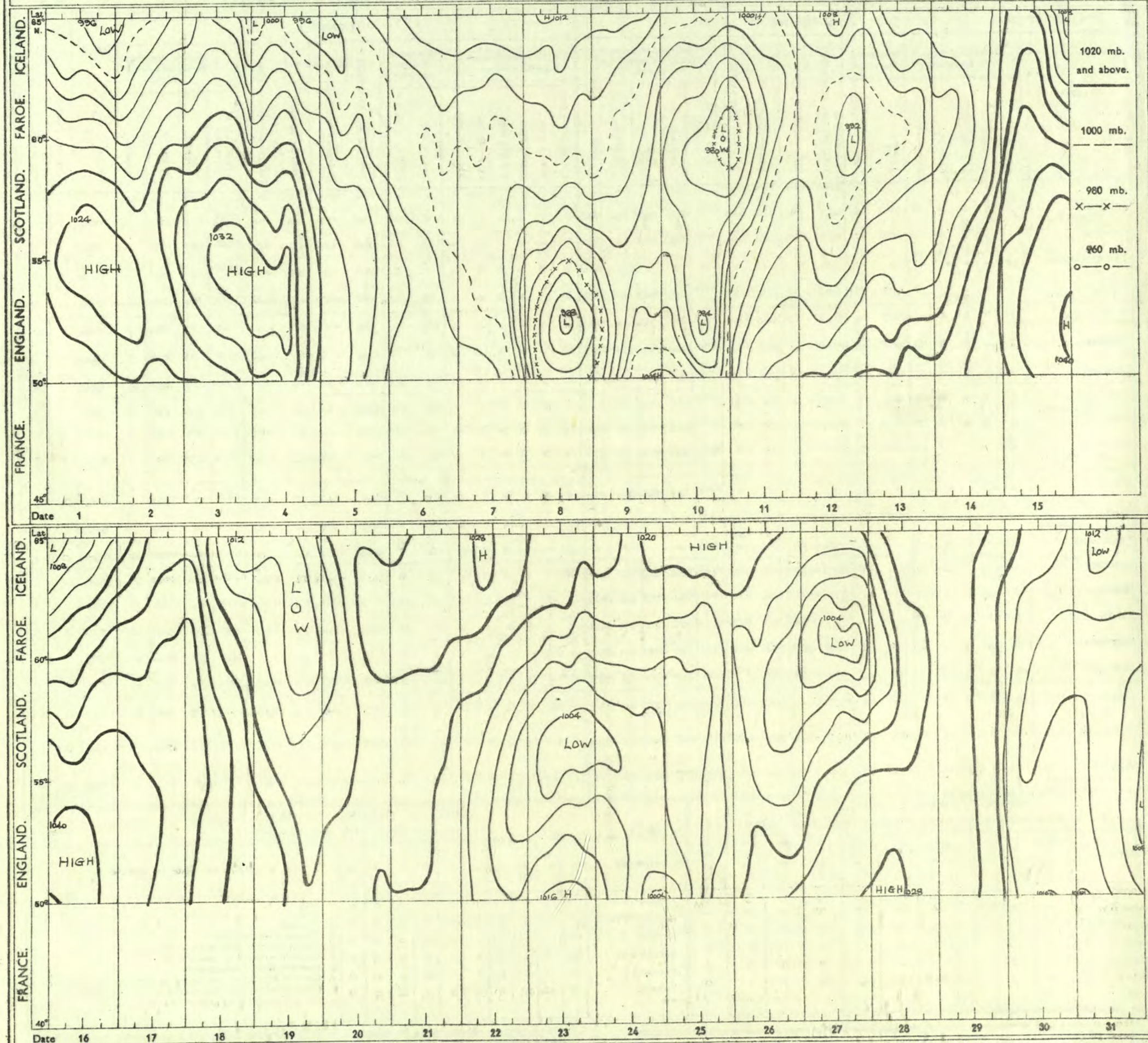
** The extremes and average of rainfall are supplemented by records from neighbouring stations.

† Some possible on both sea letters.

‡ 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 ..... MAY ..... 1943.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



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

SECRET

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

BRITISH SECTION

Saturday 1st May 1943

No. 2974S

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–Force. 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	13·6	-4	WNW	3	ir$_o$	54	85	51	6	6	2	–	9+	10	1500
	Croydon ...	14·3	-4	WSW	1	c/d	55	92	54	6	5	7	–	7-8	10	900
	S. Farnborough	14·0	-2	NW	3	ro$_{ro}$	52	92	50	5	5	–	–	10	10	500
	Boscombe Down	15·5	+8	NNW	4	c	52	85	48	7	5	7	–	7-8	10	1400
	Thorney Island	14·5	-2	WNW	3	c/d	57	85	53	6	5	–	–	10	10	800
	Lympne ...	14·0	-6	S	1	ir$_o$	55	97	54	5	5	2	–	9+	10	300
	Manston ...	13·3	-10	–	0	c/r	56	92	54	6	5	2	–	9	10	1200
2	Shoeburyness ...	16·4	-8	S	1	ro$_{ro}$	53	97	52	6	5	4	–	10	10	1500
	Felixstowe ...	13·6	-2	SSE	3	ir$_o$	52	97	51	6	5	2	–	9	10	800
	Gorleston ...	13·4	-8	SSE	2	m	50	92	48	4	5	–	–	10	10	600
	Mildenhall ...	13·0	-6	SSW	1	dr	55	92	52	6	5	2	–	9+	10	600
	Cranwell ...	12·9	+2	WNW	3	do$_{do}$	50	85	46	4	5	2	–	9+	10	800
3	Birmingham ...	14·7	+8	NW	5	c-bc	55	55	40	8	8	7	–	4-6	7-8	2500
	Upper Heyford	13·9	+2	NNW	3	2$_o$	53	85	47	6	5	7	–	4-6	9+	900
4	Ross-on-Wye	15·4	+4	NW	3	c	57	55	40	8	7	–	2	7-8	9	3500
5	Hartland Point	18·5	+10	NW	4	bc	50	85	45	8	2	6	4	2-3	4-6	2500
	Bristol ...	16·1	+10	NW'N	3	c	56	65	46	8	8	–	2	7-8	9	2500
	Portland Bill ...	16·0	+6	NW	4	c	52	92	50	8	5	–	–	10	10	2500
	Plymouth ...	18·7	+12	NW	5	c-bc	55	65	44	8	2	–	2	4-6	7-8	2000
	The Lizard ...	19·4	+10	NW	5	c-bc	53	75	45	8	8	7	–	7-8	7-8	2000
	Scilly (St. Mary's)	21·7	+12	NNW	5	bc	54	75	45	8	8	–	5	2-3	4-6	1800
	Guernsey ...															
6	Pembroke ...	19·3	+10	NNW	4	c-bc	54	65	43	8	2	4	1	2-3	7-8	2500
7	Holyhead (Valley)	18·1	+12	NW	4	c	53	75	45	8	2	6	2	4-6	9	2500
	Chester (Sealand)	16·1	+6	NW	5	c	52	75	43	8	8	7	–	7-8	9+	2500
8	Manchester ...	14·9	+6	WNW	5	c	53	65	42	7	2	3	3	4-6	9	2000
10	Spurn Head ...	12·7	-6	SSE	2	m	52	97	51	4	5	2	–	4-6	10	800
	Catterick (Sc) ...	12·8	+6	N	3	c	53	75	46	8	5	7	–	7-8	10	2500
	Tynemouth ...	13·4	+10	N	3	rr	49	85	44	6	5	–	–	10	10	1600
		12·7	+12	N	3	c/pr	45	92	44	7	5	2	–	7-8	10	1500
11	St. Abbs Head	13·8	+6	ENE	3	c/pr	54	65	44	8	8	3	8	7-8	9	3500
	Leuchars ...	14·8	+10	NW'N	4	c-bc	54	65	41	9	8	7	2	4-6	7-8	2500
12	Renfrew (Abbots I.)	13·3	+4	NW'N	4	pr	54	55	37	8	8	–	–	4-6	4-6	2500
	Eskdalemuir ...	16·2	+8	NNW	4	bc	54	55	37	8	8	–	–	4-6	4-6	2500
	Point of Ayre ...					b-bc	54	75	46	8	1	6	3	Tr	2-3	2500
13A	Tiree	17·1	+10	WNW	4	bc	50	75	41	9	2	6	–	4-6	4-6	3000
13B	Stornoway ...	13·9	+10	W	6	pr	49	75	43	8	8	6	–	7-8	7-8	1800
15	Dalwhinnie ...	12·0	+4	WNW	3	c-bc	46	75	39	8	5	6	–	4-6	7-8	2500
	Aberdeen ...	13·6	+12	NW	2	ro$_{ro}$	49	85	45	7	5	2	–	7-8	10	800
	Wick ...	13·0	+8	NW'N	4	c	52	75	42	9	8	7	8	4-6	9+	2500
16	Sumburgh ...	11·5	-2	S'E	3	do$_{do}$	46	97	46	6	5	–	–	10	10	500
17	Blacksod Point	22·9	+16	NW	5	bc	51	65	40	8	8	–	–	4-6	4-6	2500
18	Malin Head ...	18·1	+14	NNW	4	bc	49	65	38	8	8	–	–	4-6	4-6	1500
	Aldergrove ...	18·2	+12	NW	3	bc	52	75	42	9	8	–	–	4-6	4-6	2500
19	Birr Castle ...	20·5	+8	WNW	2	c-bc	52	55	37	8	4	–	–	7-8	7-8	1500
20	Valentia Obsy.	24·7	+10	N	5	c/pr	50	75	42	8	2	–	3	4-6	7-8	2500
	Roches Point	21·5	+6	N	5	bc	53	75	45	8	2	–	–	4-6	4-6	2500

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

District	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. 0–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	14·9	+4	NN'N	2	2$_o$	55	55	44	6	5	2	–	9	9+	2500	1	*
	15·5	+6	WNW	1	m/d	52	85	49	4	7	7	–	4-6	10	2000	1	*
	15·1	+2	NNW	4	c	55	55	40	7	7	7	–	7-8	9+	2000		*
	16·3	+10	N	4	c	54	65	42	8	4	4	8	4-6	9+	2500	0	*
	15·2	+4	NW	3	c	56	65	42	7	4	3	–	2-3	9+	3500	1	*
	13·9	-2	NW	4	ido	51	92	49	5	6	2	–	7-8	10	300	1	3
	13·7	-4	NN'N	3	ro$_{ro}$	51	97	51	5	6	2	–	7-8	10	200	1	*
2	14·6	+2	SSE	3	c/r	51	92	49	5	5	–	–	10	10	1500	1	*
	13·5	+2	NNW	4	ir$_o$	52	92	50	5	5	–	–	10	10	800	1	2
	13·1	0	SSE	2	ro$_{ro}$	50	97	50	6	6	–	–	10	10	400	1	3
	14·2	+6	NNW	2	ro$_{ro}$	51	92	49	6	5	–	–	10	10	1500	1	*
	14·2	+8	N'E	2	c	54	85	48	7	5	7	–	7-8	10	2000	1	*
	16·4	+10	NW	4	c	51	65	40	8	8	–	8	1	9	2500	1	*
	15·5	+14	NW'N	4	c	52	65	40	7	1	7	6	1	9+	2500	0	*
4	17·4	+8	NW'N	4	c-bc	52	65	41	8	8	6	2	4-6	7-8	3000	1	*
5	19·7	+6	NNW	4	bc	50	85	45	8	2	4	–	2-3	4-6	2500	0	4
	17·8	+14	NNW	4	c	54	65	43	8	8	–	–	9+	9+	5300	1	*
	17·1	+6	NW	4	c	53	85	45	8	2	4	–	4-6	10	4000	1	4
	20·3	+12	NW	4	bc	54	65	43	8	2	–	–	4-6	4-6	2500	0	2
	20·8	+6	NNW	6	b-bc	52	65	41	8	2	–	–	2-3	2-3	2500	1	4
	22·7	+6	NW'N	5	b-bc	52	75	43	8	1	4	–	Tr	2-3	1800	0	4
6	21·1	+10	NNW	3	c-bc	51	65	40	8	8	6	1	4-6	7-8	2500	0	2
7	19·8	+10	NNW	4	pr	50	65	39	8	8	6	–	4-6	7-8	2500	0	3
	17·7	+10	NW	5	b-bc	52	65	40	8	1	6	9	1	2-3	2500	0	*
8	16·8	+10	WNW	5	c-bc	51	75	42	8	2	–	2	2-3	7-8	2500	0	*
10	14·3	+8	NNW	4	c	48	92	46	7	3	7	–	4-6	10	800	1	
	14·6	+12	–	0	c/pr	51	85	47	7	8	7	–	7-8	9	2000	1	
	14·9	+4	NNW	3	c-bc/pr	48	75	42	7	8	3	–	4-6	7-8	2200	1	* 3
	14·7	+12	N	2	ir	46	97	45	7	5	2	–	7-8	9+	3000	1	3
11	15·3	+18	ENE	2	c/pr	48	92	45	6	8	–	–	7-8	9+	1600	1	*
	17·3	+16	NW'N	4	b-bc	50	55	36	9	8	6	–	2-3	2-3	3000	1	*
12	15·8	+14	NW'N	5	bc	50	65	36	8	8	7	–	2-3	4-6	2200	0	*
	18·7	+14	NW	6	b	50	75	42	8	1	–	–	Tr	Tr	2500	0	4
13A	17·6	+28	WNW	4	bc/pr	47	85	42	9	3	6	3	2-3	4-6	2500	1	3
13B	17·0	+14	NW	3	pr	42	75	35	8	8	–	–	9	9	2500	1	
15	15·1	+14	NW	3	pr	48	85	45	8	9	–	–	9+	9+	2500	1	2
	14·9	+14	NW	3	bc	49	65	39	9	8	3	5	2-3	4-6	3000	0	
	13·9	+16	NNW	3	c	49	85	44	8	5	7	–	7-8	9+	3500	1	2
16	24·9	+14	NW	3	bc	51	65	40	8	8	–	–	4-6	4-6	4000	1	3
17	20·2	+10	NW'N	5	bc/pr	49	65	38	8	2	–	–	4-6	4-6	1500	2	4
18	21·6	+26	NW'N	3	b-bc	50	55	33	8	1	–	–	2-3	2-3	2500	1	*
19	25·1	+14	WNW	3	c-bc	51	85	47	8	8	–	–	7-8	7-8	1500	1	*
20	27·0	+10	NNW	5	pr	50	65	39	8	3	–	3	7-8	9	2500	1	4
	23·6	+14	N	6	bc	53	65	41	8	3	–	3	4-6	4-6	2500		4

PAST 24 HOURS.

Weather. 7h.–13h. 30th (39)	13h.–18h. 30th (40)	18h. 30th – 1h. 1st (41)	1h. – 7h. 1st (42)
ido irro	rdo ido ro	c$_m$ y c$_m$	c b c c
ro$_{ro}$ do d	cm d d ro b c	cz$_o$	cz$_o$ w
c$_m$ o i d o c r d$_m$	r$_o$ c r o m$_o$ c i r o c y	cy e b e e b e m$_o$	b c m$_o$ w b
c$_m$ o r o r o c	c	b c b	b
c r o r o m b c	o i d o$_o$ p r c	c b c b	b w
d m c i r m$_o$	c m$_o$ i r o f$_o$ i r o	c i d –	c r$_o$ m i r$_o$
c r o r o r m$_o$	c r r o f o m$_o$	c o m r r$_{oo}$	c r m$_o$
c r o r o m$_o$	c r o r o m b c	c i r$_o$	c i r c m$_o$
c m o c i l o m$_o$	i r o d o i r o	c r$_m$ c m$_o$	c m b c m$_o$
c m	o r o r o	o r d o	c i r$_o$
m o c i d o i r	m o c r d d d r r	c m i r	c i r m c
c f r o i d o d o m	c d o d o m$_o$	c i c m$_o$ b c b m$_o$	b m$_o$ b c m$_o$
r o r o b c o	b c c	c b	b b c
o d o d o m c$_m$	c m$_o$ i r o z o y	c b c b	b
r o c c	c y c p o c	c b c b	b w i b c c
b c	b c	b c b	b b c
c i r o m o c	c c y c j p	c a r v b c b	b b w
c	c	b c	b c b c
b c c	b c p r o c	b c b	b b c
b c c	c b c	b b c	b c
m b c c b c	b c	b c b	b b c
b c c	b c c	b c	- b c
c	b c	b	b c p r o$_o$
c	c y b c	b	c r r$_o$ p r$_h$
r o r o z o c	c	c b b z m$_o$	b c c m$_o$ w x
r o r o	r r c	b c m$_o$	c
e r o f o c	c p r$_o$	b c b	c p r i$_o$
o m m o r r	o i r c p$_o$	c p	c p c r$_o$ g y
c m o r	c p r b c d b r	c i r o r r o	c r$_{ai}$ p r o c
r o m$_o$ c p r$_o$	c p r t p r o c	c m y r o b c	b c
c p r o b c	b t b t y	b c y b y o b c	b w b
c p r o b c	b c b c v	b c b	b c b
c p r o b c	b c b	b	c b c b
b e p r	b c p r$_o$	c p r b c p r b c	b c p r$_o$ b c m
b e c p r o	c p r o b c	b c j p r b c b	b e
c p r	c p r$_o$		c b c p r$_o$ c
o r r m c m r r	b c c e R	c p r b c	b c
c	b c p r o b c	b b c	b e c p r$_o$ c
c r o r o m$_o$	c	c b c b	b b c
b c	b c	p r	c
p r	p r	p r	p r
p r	b c c p r$_o$	b r i$_o$ g b c	b c p r b c b
c	p r	•	c
p r	p r	p r	p r
b c	p r	b c	b

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate or fresh northerly winds, veering and moderating; rather general rain at first, cloudy later; local hill fog; rather cold.
4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales	Moderate or fresh northerly winds; scattered showers at first, some rain later, especially in east, some hill fog later; rather cold.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Moderate or fresh northerly winds, veering and moderating; rain and hill fog spreading southwest across area, followed by cloudy conditions; rather cold.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Variable or southwesterly winds, light to moderate; fair today, local rain in northwest tomorrow; rather cold.
16 Orkneys and Shetlands	As 13A-15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light or moderate northerly winds becoming variable, light; a few light showers at first, fair later; rather cold.

GENERAL INFERENCE

A ridge of high pressure from the Azores to Scotland is almost stationary and a trough of low pressure over the North Sea will move southwestacross England and Wales accompanied by cloud and rain especially in the East. There will be local rain later in the Northwest. Rather cold generally.

FURTHER OUTLOOK

Cloudy and rather cold in the South with northeast winds, local rain in the North.

Forecasts issued at 1030

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

7h. Saturday 1st May 1943.

Low

HIGH

HIGH

1014 1016 1018 1020 1022 1024 1026 1028

10° 5°W. 0° 5° E. 10°

60° 55° 50°

STATION MODEL

High Cloud

Medium cloud

Low cloud

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in 8mbs.

Weather in past hour

Past weather

Temperature °F.

Present weather

Visibility

Dew Point °F

Amount of Low cloud

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

Scale 1 : 5,000,000

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

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of
Saturday 1st May
1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ◯ Clear sky. ◯ Sky less than 3/10 clouded. ◐ Sky 4/10 to 6/10 clouded. ◑ Sky 7/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✱ Snow. ✱ Sleet. △ Hail. ≡ Fog. = Mist. ℄ Thunder. (℄) Thunderstorm. E Slight haze.

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

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

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

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

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

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

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

Saturday, 1st May 1943 — No. 29745

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

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	*	*	*	*	*	47	*	*	*	*	*	*	*	*	*
	Croydon ...	290	18·1	+6	WNW	3	z_0	47	75	40	6	5	-	-	10	10	1500
	S. Farnborough	226	18·5	+10	NW	3		45	75	38	6	5	7	-	4-6	4-6	2500
	Boscombe Down	417	19·8	+8	NW'N	3		41	75	35	8	-	-	-	0	0	-
	Thorney Island	10	18·0	+6	NW	4	b-bc	45	75	37	7	5	-	-	2-3	2-3	2500
	Lympne ...	283	15·6	+6	NW	5	z_0	47	92	46	6	5	2	-	7-8	10	900
	Manston ...	154	14·9	+4	NNW	4	z_0	49	92	48	5	6	2	-	2-3	10	400
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	14·9	+10	NNW	4	z_0	49	92	47	5	5	-	-	10	10	4000
	Gorleston ...	5	16·5	+2	NNW	3	z_0	48	85	45	6	6	-	-	10	10	800
	Mildenhall ...	15	16·2	+8	NW'W	3	z_0	47	97	46	6	5	-	-	10	10	1200
	Cranwell ...	203	16·8	+10	NW	4	z_0	44	75	37	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18·6	+10	NNW	4	b	42	85	37	8	-	-	1	0	1	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	22·6	+6	N	4	b	48	85	42	8	-	4	-	0	1	-
	Bristol ...	209	21·4	+10	WNW	3	b	43	75	36	7	-	-	-	0	0	-
	Portland Bill ...	32	20·2	+10	NW	4	bc	50	85	46	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	23·0	+6	NW'N	3	b	45	85	42	8	-	4	-	0	Tr	-
	The Lizard ...	240	23·2	+4	NNW	3	bc	46	92	44	8	8	-	-	4-6	4-6	2000
	Scilly (St. Mary's)	163	24·8	+6	N'W	5	b	49	75	43	8	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	19·1	+6	N'W	3	b-bc	47	85	43	8	2	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	22·1	+2	NW	4	b	46	85	40	8	-	4	-	0	1	-
	Chester (Sealand)	16	20·6	+10	WNW	5	v_z	46	65	36	7	5	-	-	4-6	4-6	2000
8	Manchester ...	235	19·7	+6	WNW	3	z_0	41	85	36	5	-	-	-	0	0	-
10	Spurn Head ...	29	15·9	+6	NW	4	z_0	48	85	42	6	7	-	-	4-6	4-6	2500
	Catterick (Sc.) ...	192	17·7	+12	NW	3	b-bc	41	75	34	7	-	4	-	0	2-3	-
	Tynemouth ...	108	17·1	+4	NNW	3	c-bc/pr	45	85	42	7	2	-	-	7-8	7-8	2500
11	St. Abbs Head	280	16·2	+4	WNW	4	o	43	85	39	7	5	-	-	10	10	1500
	Leuchars ...	36	18·3	+6	WNW	2	c-bc	41	85	38	8	5	1	-	7-8	7-8	4700
12	Renfrew (Abbotsl.)	19	19·9	+6	SW	1	b-bc	41	85	35	7	5	3	-	2-3	2-3	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	20·6	+4	N'W	6	b	46	85	40	8	4	-	-	*1	*1	2500
13A	Tiree	44	22·0	+10	NNW	3	bc	45	85	42	8	-	6	2	0	4-6	-
13B	Stornoway ...	15	21·2	+12	W	1	b-bc	39	92	37	8	4	-	-	2-3	2-3	2800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	18·0	+6	NW	4	b-bc	41	92	39	8	4	-	-	2-3	2-3	2500
	Wick ...	114	18·6	+14	W'N	2	b-bc	39	92	37	9	5	-	-	2-3	2-3	2000
16	Sumburgh ..	19	17·8	+18	NNW	2	b	44	92	43	8	5	-	-	Tr	Tr	3500
17	Blacksod Point	18	25·6	+2	WNW	4	b-bc/pr	46	85	42	8	9	-	-	2-3	2-3	2500
18	Malin Head ...	84	22·0	+6	NNW	3	c-bc	46	85	42	8	9	-	-	4-6	7-8	2500
	Aldergrove ...	268	22·8	+2	NW'W	3	bc	43	85	38	8	5	-	-	4-6	4-6	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	28·2	0	NW	3	bc	48	75	41	8	2	-	-	4-6	4-6	2500
	Roches Point	22	26·6	+2	N	5	b	46	85	42	8	5	-	-	1	1	2500

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

Barom 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)
18·7	+10	NW	3	z_0	45	65	35	6	5	3	-	4-6	4-6	2500	1	*
19·7	+14	WNW	2	z_0	43	75	37	6	5	4	-	4-6	9	3000	1	*
19·4	+10	NNW	3	b-bc	43	75	37	7	1	4	-	1	2-3	2500	1	*
20·5	+6	NW	4	b	43	75	36	7	-	7	-	0	1	-	0	*
19·4	+10	NW'N	3	b	45	75	37	8	1	-	-	Tr	Tr	4000	0	*
16·9	+10	NW	5	c/r	43	85	39	6	5	7	-	7-8	9+	2500	1	3
16·6	+18	NNW	4	c/r	45	85	41	6	5	7	-	4-6	9+	5000	1	*
17·5	+16	NW	3	z_0	44	75	38	6	5	3	-	2-3	7-8	2500	1	*
16·1	+10	NW	5	z_0	44	85	39	6	-	7	-	0	4-6	-	0	3
15·0	+8	NNW	4	v_c	47	97	47	7	8	-	-	10	10	1000	1	3
17·6	+24	NW'N	4	c	42	85	38	7	5	-	-	10	10	3500	1	*
18·5	+14	NW'W	4	z_0	41	85	37	6	8	3	-	7-8	9	4500	1	*
20·0	+4	NNW	4	z_0	44	85	40	6	5	3	-	4-6	7-8	800	1	*
19·2	+4	NNW	3	bc	43	85	38	8	2	7	1	2-3	4-6	2000	0	*
20·6	0	W'S	1	c	42	75	34	8	8	7	-	9	9+	3000	1	*
23·2	+6	NNW	4	b-bc	47	75	40	8	2	6	-	2-3	2-3	2000	0	4
21·3	+2	NNW	3	c	45	75	37	7	7	3	-	4-6	9	4000	0	*
20·9	+4	N	4	bc	47	92	45	8	2	-	-	4-6	4-6	4000	1	4
23·6	+2	WNW	3	b-bc	47	75	40	8	7	4	-	2-3	2-3	2500	0	2
26·5	+16	NNW	4	bc	47	75	40	8	1	4	-	4-6	4-6	2500	0	3
25·7	+6	N'W	4	b-bc	48	75	40	8	8	4	-	2-3	2-3	1800	0	3
24·2	+2	N'W	3	bc	47	85	43	8	8	-	-	4-6	4-6	2500	0	2
22·4	+2	NNW	1	c-bc/p	47	85	41	8	8	-	-	7-8	7-8	2500	1	3
20·8	+4	NW'W	3	bc	46	75	38	8	8	-	-	4-6	4-6	2500	1	*
20·4	+8	NW	3	z_0	43	85	38	5	2	6	-	1	2-3	2500	0	*
17·0	+6	NW	5	c	45	75	37	7	5	2	-	7-8	9+	2500	0	3
18·9	+6	NW	3	c	45	75	37	7	5	7	-	4-6	9	2500	1	*
18·4	+2	NNW	6	r_0	45	85	41	7	5	-	-	7-8	7-8	2200	1	3
19·0	+10	N	4	bc	44	97	44	7	5	2	-	7-8	9+	3500	1	4
22·1	+18	WNW	2	bc	45	75	36	8	5	5	-	Tr	4-6	1200	0	*
23·1	+20	WSW	1	b	44	75	37	9	-	-	-	0	0	-	1	*
21·2	+16	N	3	b	42	65	33	8	-	3	9	0	1	-	0	*
21·7	+10	N	5	b	46	85	42	8	2	-	-	1	1	2500	0	4
24·9	+14	N	1	b-bc	47	85	43	9	1	4	5	1	2-3	3000	0	2
23·8	+8	-	0	bc	43	92	41	9	-	-	4	0	4-6	-	1	1
24·0	+14	NNE	3	c-bc	41	75	36	8	5	-	-	7-8	7-8	2500	0	*
22·5	+30	NNW	3	bc	47	85	44	8	2	3	-	4-6	4-6	2500	1	2
23·2	+30	NW	1	c-bc/pr	46	85	42	9	8	7	1	7-8	7-8	2500	1	*
21·3	+20	NW'W	4	bc	47	85	41	9	7	-	1	2-3	4-6	2500	0	2
26·9	+10	WNW	3	c	48	85	45	8	8	-	-	10	10	2500	0	2
24·6	+14	N	3	bc	48	75	40	8	9	-	-	4-6	4-6	1500	2	3
24·8	+14	NW'W	2	b-bc	43	85	39	8	3	4	-	1	2-3	3000	1	*
26·3	+6	WNW	1	c	45	97	44	8	5	1	-	7-8	10	2500	1	*
28·6	+6	N	3	c-bc	49	85	45	8	2	3	-	4-6	7-8	1500	1	3
26·9	+2	N'W	4	c	46	85	42	8	5	7	-	4-6	9	1500	1	4

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 19h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine Hrs. (38)
57	42	36	3	-	6·0
58	41	39	3	Tr	0·0
55	39	31	5	Tr	0·0
58	37	33	0·2	-	1·1
59	40	35	0·5	-	*
56	43	42	3	0·1	0·0
58	45	43	7	2	0·0
55	43	43	4	1	0·0
54	43	39	1	3	0·0
52	46	44	2	2	0·0
55	40	37	5	1	0·0
55	39	35	Tr	1	0·0
56	40	35	0·5	-	2·4
57	32	27	0·4	-	*
59	39	31	0·1	-	3·0
51	46	44	-	-	11·7
60	38	29	0·2	Tr	1·8
54	45	-	-	-	*
56	43	34	Tr	-	11·3
56	43	*	-	-	*
55	47	*	-	-	13·0
54	44	-	-	-	8·4
55	43	39	Tr	Tr	*
54	52	39	-	1	9·1
55	37	28	0·5	-	*
52	43	*	5	-	0·0
54	39	35	3	Tr	0·0
52	41	39	2	2	*
50	41	-	2	3	*
56	38	29	1	0·3	3·7
55	37	25	0·1	-	10·2
55	33	23	Tr	-	7·3
55	45	*	Tr	-	10·0
51	42	38	0·3	1	10·4
53	36	29	Tr	Tr	6·7
52	36	30	0·6	0·1	4·5
53	41	38	1	1	0·9
53	39	34	-	Tr	*
49	42	30	0·6	-	
53	44	*	0·1	0·1	
52	42		0·1	3	11·2
53	39	27	0·6	2	9·9
55	34	29	0·6	-	7·2
53	47	43	0·4	0·1	10·1
55	45	*	0·1	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 30th April ... 18h. G.M.T. | 01h. G.M.T. 1st May ... 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
109	33	02855	25466	27	01853	26314	50	01762	26212	87	01862	26283
115	24	10944	24386	52	10944	24327	52	25845	28387	14	02954	28225
203	44	02955	20416	8-	02947	20427						
206	86	02855	26385	87	81855	24487	46	02863	26124	24	01751	26413
210	26	02964	27265	8-	81757	25387	4-	02866	26326	5-	02867	28227
219	36	01854	26584	36	01854	25415	10	01952	26402	40	01851	12116
230	3-	27855	24385	30	10863	26583				50	00951	32101
245	86	02863	02266	8-	25957	06287	54	02961	30184	83	02963	30415
260	2-	02854	28325	50	01862	28323	00	00790	28200	04	01790	28111
278	26	01842	28623	20	01841	28611	5-	02757	27417	20	01942	31512
279	2-	02865	27466	10	01963	28423	54	01861	28212	50	01764	32414
285	27	02745	30527							23	02745	30516
288	52	53444	24358	52	64464	02268	54	05564	24324	52	61536	26368
575	26	01864	30484	80	01854	30414	30	81641	26444	80	01863	28213
301	57	02841	28526	40	01851	61512	50	01852	78402	26	05653	64314
321	57	05655	26468	87	05655	04327	30	10763	26483	5	05667	28317
2.3	--	62709	16969	5-	02737	32467				8-	02746	29516
292	52	51646	28368	57	22755	32168	50	01651	28381	57	02856	28367
310							5-	01744	29414	--	01434	26514
614	57	05653	26228	47	05661	28227	00	05690	28210	54	05663	27213

13h. G.M.T. 30th April ... 18h. G.M.T. | 01h. G.M.T. 1st May ... 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
333	20	02844	30427	87	02854	29314	5	02754	30324	9-	88247	31857
334	--	25646	28287							--	02645	26216
340				17	02853	30425	00	00790	28200			
136	5-	61645	18268	62	22635	32468	5-	05678	29428	57	02744	30427
336	53	02754	28416	80	25756	28386				53	01753	28314
350	52	51635	26358	17	02761	28357	50	01763	69313	54	05665	26225
368				10	01853	28314	80	00763	26213	83	01754	26304
379	57	02743	28468	17	02853	30427	00	00790	19640	53	01844	28615
390	5-	41548	28268	52	61446	15251	5-	52558	29458	83	05664	28425
382	52	22745	30468	27	02852	30426	07	05690	30423	50	01854	30314
438				87	02655	26417	5-	01654	30514	87	02644	30515
430	5-	05636	24358	57	02762	30226	50	05653	63523	10	01751	63401
409	8-	02857	30427	14	01852	62512	54	01764	32415	24	01855	31315

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 1st May
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 ...	idirr$_0$ c	rdidrcm$_0$ cr	dcoyem$_0$ c
Croydon ...	r$_0$n$_0$d$_0$dcdrd c	r$_0$d$_0$d$_0$rcm$_0$ cr	c$_0$y$_0$w$_0$ c
Greenwich ...		corrcrc	
Camden Square	cr	c	*
Kensington ...	cor	oro	*
Hampstead ...	or	or	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. Thu. 0·3 17-18h 30th. Min. Thu. 20·1 2-3

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs	Humidity 15h %	Humidity 9h %
						Yesterday		To day
Kew ...	57	42	36	3	-	0·0	*	*
Croydon ...	58	41	39	3	Tr	0·0	*	*
Greenwich ...	58	43	40	3·6	-	0·0	93	67
Westminster ...	57	43	39	5·6			95	67
Regents Park ...	55	42	38	3·7	-		93	71
Camden Square ...	57	42	38	4·1	-	*	*	68
Kensington ...	61	42	37	5·8	Tr		71	68
Hampstead ...	55	39	35	3·6	-		*	73

SECRET

Page 1

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

BRITISH SECTION

Sunday 2nd May 1943.

No. 29746

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	13·0	−6	N'W	3	2o	52	55	36	6	8	3	-	7-8	9+	2500
	Croydon ...	18·6	−6	NW'N	2	c	52	86	38	6	2	-	-	9+	9+	3500
	S. Farnborough	18·0	−10	N'W	4	c	54	45	37	8	7	-	-	9	9	2000
	Boscombe Down	19·1	−8	NNW	4	c-bc	53	45	35	8	2	-	-	7-8	7-8	2000
	Thorney Island	18·3	−6	N'W	4	c-bc	54	45	34	8	8	7	-	7-8	7-8	3500
	Lympne ...	17·2	−6	NNW	4	2o	51	65	41	6	2	6	-	7-8	9+	3000
	Manston ...	16·2	−16	NNW	4	c	48	85	43	8	5	-	-	4-6	10	1800
2	Shoeburyness ...	17·1	−4	NNW	4	c	50	75	41	8	8	-	-	10	10	2500
	Felixstowe ...	16·7	+2	NW'N	5	ic	47	75	40	7	5	-	-	10	10	2500
	Gorleston ...	15·6	0	NNW	4	rr	47	92	45	6	6	-	-	10	10	600
	Mildenhall ...	18·1	+4	NNW	3	c-c-c	46	92	43	6	5	-	-	4-6	10	1000
	Cranwell ...	18·8	+6	NW	4	c/a	46	92	44	6	6	2	-	9+	10	500
3	Birmingham ...	19·5	+2	NW	4	2o	45	75	37	6	6	2	-	7-8	10	800
	Upper Heyford	18·8	−2	N	3	ic	49	65	38	6	5	2	-	4-6	10	1500
4	Ross-on-Wye	20·1	−4	NW	4	c	51	55	37	8	8	-	-	10	10	3000
5	Hartland Point	22·0	−2	N	5	bc	49	75	41	8	2	4	-	2-3	4-6	2000
	Bristol ...	20·2	−6	N'E	3	c	53	55	38	8	2	-	-	9	9	4000
	Portland Bill ...	19·6	−10	NW	4	c-bc	51	85	47	8	2	-	-	7-8	7-8	4000
	Plymouth ...	22·0	−6	NNE	4	c-bc	51	65	39	9	8	-	-	7-8	7-8	2000
	The Lizard ...	22·1	−14	N	5	c-bc/pr	54	65	43	8	8	6	-	7-8	7-8	2000
	Scilly (St. Mary's)	24·6	−6	NW	4	c	52	75	36	8	8	8	-	7-8	9+	1200
	Guernsey ...															
6	Pembroke ...	23·2	−4	N'E	6	bc-q	52	75	43	8	2	-	-	4-6	4-6	3000
7	Holyhead (Valley)	23·3	+6	NW	4	c-bc	51	65	41	8	2	6	-	1	7-8	3000
	Chester (Sealand)	21·1	−6	NW	4	c	49	75	40	7	5	7	-	2-3	10	1500
8	Manchester ...	20·3	−4	NW'N	3	c/r	46	75	40	6	5	-	-	7-8	10	1800
10	Spurn Head ...	19·2	+30	NE'N	3	c-bc	49	75	42	7	7	1	-	4-6	7-8	2500
	Catterick (Sc) ...	20·9	+18	NE	4	d-d-o	47	97	47	5	5	2	-	7-8	10	600
	Tynemouth ...	22·5	+30	N	5	c	46	92	42	7	-	2	-	10	10	2200
11	St. Abbs Head	24·6	+26	N	4	c	45	97	45	7	5	-	-	10	10	2000
	Leuchars ...	24·9	+10	ENE	3	c	50	85	45	8	8	3	-	4-6	9	3000
12	Renfrew (Abbotsl.)	24·2	+6	E	2	bc	60	45	39	9	1	7	5	2-3	4-6	2500
	Eskdalemuir ...	23·8	+10	N'E	5	c	48	75	39	8	5	-	-	10	10	1800
	Point of Ayre ...	23·8	−4	N	3	c	54	75	46	8	5	-	-	9	9	5000
13A	Tiree	25·8	+2	NNW	1	b-bc	51	75	42	9	1	-	1	2-3	2-3	3000
13B	Stornoway ...	24·4	0	SSE	4	bc	52	85	47	9	1	-	2	4-6	4-6	3200
15	Dalwhinnie ...	25·5	+2	N	2	b-bc	54	45	35	8	1	-	1	2-3	4000	
	Aberdeen ...	25·0	+10	ENE	3	bc	52	75	42	8	1	-	8	4-6	4-6	3500
	Wick ...	25·0	+8	SE	1	c	52	65	40	9	7	-	5	7-8	9	2500
16	Sumburgh ...	23·9	+12	W	2	c	51	75	43	8	1	3	2	4-6	9	2500
17	Blacksod Point	27·2	+4	WNW	2	c	55	65	44	8	8	-	-	9+	9+	2500
18	Malin Head ...	25·5	+4	N	1	bc	50	75	43	8	2	-	4	1	4-6	2500
	Aldergrove ...	24·9	−2	N'W	2	b-bc	56	55	38	9	1	-	1	1	2-3	2500
19	Birr Castle ...	25·7	−6	WNW	2	c	56	65	45	8	5	-	-	9	9	2500
20	Valentia Obsy.	27·8	−6	N'W	4	c-bc	55	55	40	9	8	-	3	7-8	7-8	2500
	Roches Point	25·9	−6	N	4	c	54	75	46	8	8	-	-	9	9	1500

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

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	18·8	0	NNW	2	c/r	47	85	44	5	5	2	-	4-6	10	2500	1	*
	19·2	+2	W'N	2	d-d-o	46	92	44	4	6	2	-	7-8	10	1600	1	*
	19·3	+10	N	2	rr	46	92	43	6	8	-	-	10	10	700	1	*
	20·2	−16	N'W	3	c/r	47	85	42	6	5	2	-	4-6	10	2500	0	*
	18·5	+6	N'W	4	2o	50	75	40	6	5	6	-	7-8	9+	4000	0	*
	16·8	−2	NW	4	rr	45	92	43	5	6	2	-	9+	10	200	1	§ 3
	15·7	−10	NW'N	3	r-c	47	97	47	4	5	-	-	10	10	300	1	*
2	16·9	−2	NW	1	rr	47	92	45	6	5	-	-	10	10	1500	1	*
	16·8	+2	NNE	5	c/pr	49	75	43	7	5	7	-	7-8	10	2500	1	4
	17·3	+6	NNE	6	bc	50	75	42	8	-	7	-	0	4-6	-	1	3
	18·9	+2	NE	5	c-bc	51	65	38	8	5	4	2	4-6	7-8	5700	1	*
	21·2	+14	ENE	4	b	50	65	39	8	4	-	-	1	1	2000	0	*
3	20·8	+8	NE	3	2p	52	65	41	6	5	-	1	1	1	2500	1	*
	19·9	+6	N	2	c/r	47	92	44	5	-	7	2	0	9+	-	1	*
4	20·9	0	N	3	c	50	75	43	7	5	-	-	9+	9+	3000	0	*
5	21·3	−2	N	5	c	50	85	44	8	1	4	-	1	9	2000	0	4
	21·1	+6	N	2	2o	49	75	41	6	5	2	-	9	10	4000	0	*
	19·5	+4	N	4	c	51	85	47	8	5	-	-	10	10	4000	1	4
	21·5	0	N	3	c	51	75	43	8	3	3	3	2-3	9	2500	0	2
	21·3	−6	N	5	bc	51	75	42	8	2	6	-	4-6	4-6	2000	0	4
	23·6	−6	N	4	bc	51	75	42	8	8	-	-	4-6	4-6	1500	1	4
6	23·3	0	N'E	4	bc	51	69	40	8	2	6	-	2-3	4-6	3000	0	3
7	23·7	+2	N	4	c	50	85	44	8	5	-	-	9+	9+	2500	1	4
	22·4	+10	N	2	2o	53	75	45	6	3	7	-	7-8	9+	2500	1	*
8	22·0	+10	NE'E	3	2o	54	65	43	6	5	-	-	2-3	2-3	2000	0	*
10	21·8	+10	NE	4	b-bc	50	75	43	7	7	8	-	1	2-3	2500	0	3
	24·1	+14	NE'N	3	m	49	85	46	4	5	3	-	2-3	7-8	2000	1	*
	25·0	+8	N	4	c-bc	47	85	43	7	5	-	-	7-8	7-8	2200	1	3
11	25·1	+4	NNE	1	bc	46	97	46	7	4	4	-	2-3	4-6	2500	0	3
	24·9	+6	SSW	1	c	52	92	51	9	1	-	9	2-3	9	3200	1	2
13A	24·9	+6	SSW	1	c	52	92	51	9	1	-	9	2-3	9	3200	1	2
13B	24·9	+6	SSW	1	c	52	92	51	9	1	-	9	2-3	9	3200	1	2
15	25·7	0	SW	2	c	54	55	38	8	4	3	-	2-3	9	4000	0	*
	25·7	0	ESE	2	b-bc	49	85	45	8	-	-	5	0	2-3	-	1	2
	25·1	+2	SE	2	c	50	75	41	9	-	-	6	0	9	-	0	*
	24·5	0	SW'W	3	c	47	85	42	8	-	7	6	0	9+	-	0	1
16	26·5	−2	W	3	c	54	65	43	8	8	3	-	4-6	9	2500	1	3
17	25·4	−2	NNE	1	b-bc	50	75	42	8	2	-	2	Tr	2-3	2500	2	2
18	25·2	+2	NNW	2	b-bc	55	55	41	9	-	4	1	0	2-3	-	1	*
19	25·2	−2	NW	2	bc	58	55	43	8	2	-	1	2-3	4-6	2500	1	*
20	27·1	−6	N'W	4	c	53	75	45	8	7	-	3	9	9	2500	1	3
	24·7	−10	-N	5	bc	55	85	51	8	5	4	-	4-6	4-6	2500	1	3

PAST 24 HOURS.

District	Weather. 7h.—13h. 1st (39)	Weather. 13h.—18h. 1st (40)	Weather. 18h. 1st to 1h. 2nd (41)	Weather. 1h.–7h. 2nd (42)
1	cc2oy	c-rcm-	cm-ir-	cm-
	c2oidzoy	c2yrr	cmrr	cmom-fr-
	bbcycy	cyc-ir-d-m-	c-ir-rm-	cr-ir-cid-m-
	bbcpfobc		c2-	c2-c
	bbcc	cpfcm-	cm-cir-	cm-ir-odd-
	cm-	c2-midr-	cmormr-	cm-
	c	crrm-	crrm-	or-rm-c
2	cm-c	cRRrrm-	crrc	crr
	cm-cc-ir-	cphcprm-	cirm-cm-	cm-cc
	cr	cq	beq	boq
	ccfrom-	c-rmcbc	cbc	bbcb
	ccid-m-cm-	cmbc-b	b	bmow
3	cbccr-	cbcz	bbc	bccz
	bcc-ir-	c-fr-cm-	cm-bbc	bcbc
	cbcvc	cyc	ebz-	bbcc
4	bcc pr	bcc	cbc	bbc
5	cwjpbcy	cyepr-c	cz-ir-m-bmbz-	bz-cm-
	c	cc	cp	o
	cprot	cbcpr-	cbbcbm-	bcm-c
	cppr	cbc	bc	bc
	bccpc	cbc	bc	bcb
6	cbcq	bc	bbc	bc
	jpbcb	bc	ebcbm-	bm-w
7	bcc	c-cz-	bm-	bmom
	bmocir-z-	czzbz-	bcbz-m-	bmowz-
8	bc	bc	bc	bc
	cdodo	cd-d-cm	bf	bfrm-of
	cpreir-	oc	cb	bccm-
	orq-o	cbc	cbc	bjf
	bcc	cbb	bccmow	cm-ocfm
	bybcy	bcyeycm-	cbcbm-w	bcm-wbm
	bcc	c	cbc	bcbxb
	bbcc	c	cb	bmow
10	bc	bc	bc	bc
	cdodo	cd-d-cm	bf	bfrm-of
	cpreir-	oc	cb	bccm-
	orq-o	cbc	cbc	bjf
	bcc	cbb	bccmow	cm-ocfm
	bybcy	bcyeycm-	cbcbm-w	bcm-wbm
	bcc	c	cbc	bcbxb
	bbcc	c	cb	bmow
11	bc	bc	bcw	bcc
	bcc	bcc	cbc	cd-c
	cbcy	bccy		co
	bccbc⊕	bcb	bcw*	bccbcjf
	cbcc	bcc	cbc	bcb
	bcc	c	cbc	bcb
13A	bc	bc	c	c
	bcc	bcc	bc	bc
	cbcy	bccy		
13B	bccbc⊕	bcb	bcw*	bccbcjf
15	cbcc	bcc	cbc	bcb
	bcc	c	cbc	bcb
16	bc	bc	c	c
17	bc	bc	bc	bc
18	bcbby	by	bycbcb	bcwbcb
19	c	bc	*	f
20	bc	bc	bc	bc
	pr	c	bc	bc

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

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

Moderate northeast winds; occasional rain or drizzle, and some hill fog; rather cold.

Light or moderate northeasterly winds; fair; rather cold.

Light variable winds; fair; local morning fog; rather cold.

Light or moderate south to southwest winds; cloudy; local drizzle and some hill fog in exposed coastal districts; rather cold.

16 Orkneys and Shetlands	As 13A – 15.
17 N.W. Ireland	
18 N.E. Ireland	Variable light winds; fair; rather cold.
19 S.E. Ireland	
20 S.W. Ireland	

GENERAL INFERENCE

A ridge of high pressure covers the British Isles, and weak troughs of low pressure will affect extreme northwest and southeast districts, where there will be occasional rain or drizzle and some hill fog. Weather will be fair elsewhere, apart from local morning fog in South Scotland and North England. Rather cold generally.

FURTHER OUTLOOK

No appreciable change indicated.

Forecasts issued at 10·30

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

7h. Sunday, 2nd May 1943.

Low

HIGH

Low

1010 1012 1014 1016 1018 1020 1022 1024 1026 1028

10° 5°W. 0° 5°E. 10°

60° 55° 50°

STATION MODEL

High Cloud

Medium cloud

Low cloud

Amount of Low cloud

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in 8mbs

Weather in past hour

Past weather

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

Temperature °F.

Present weather

Visibility

Dew Point °F

Scale 1 : 5,000,000

Mb 1050 1040

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

4148 Gp 968/2. 7200. 4/43

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of
Sunday 2nd May
1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

BRITISH SECTION

Sunday 2nd May 1943

No. 29746

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

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	*	*	*	*	*	46	*	*	*	*	*	*	*	*	*
	Croydon ...	290	19·2	-2	N'E	3	rr	45	92	43	4	5	-	-	10	10	1200
	S. Farnborough	226	18·7	-6	NE'N	3	r.r.	45	85	40	6	5	-	-	10	10	2000
	Boscombe Down	417	19·6	-6	NE'N	3	z.	44	75	37	6	5	-	-	9	9	5000
	Thorney Island	10	16·7	-14	N	5	r.	45	85	42	6	5	-	-	10	10	1500
	Lympne ...	283	16·7	+6	NE	4	z.	47	97	45	6	5	-	-	10	10	600
	Manston ...	154	17·0	+10	E'N	3	rr	47	97	47	5	-	2	-	10	10	200
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	18·2	+2	NE'E	6	z.	48	85	44	5	5	-	-	9	9	5000
	Gorleston ...	5	20·0	+10	NE	6	beq	47	85	44	7	5	-	-	4-6	4-6	2500
	Mildenhall ...	15	20·5	+2	NNE	4	b	44	85	40	8	-	-	-	0	0	-
	Cranwell ...	203	23·4	0	NNE	3	z.	40	92	38	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	20·7	-2	NNE	4	bc	41	92	38	7	5	-	-	4-6	4-6	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·3	-4	NE	4	b	49	92	46	7	-	-	-	0	0	-
	Bristol ...	209	21·4	-2	NNE	3	z.	43	75	36	5	-	-	-	0	0	-
	Portland Bill ...	32	18·4	-18	N	4	o	47	85	43	7	5	-	-	10	10	2500
	Plymouth ...	82	21·0	-6	NNE	3	z.	47	85	42	6	-	-	-	0	0	-
	The Lizard ...	240	21·6	-8	NNW	3	b-bc	46	92	44	8	4	-	-	2-3	2-3	2000
	Scilly (St.Mary's)	163	22·5	-10	N	4	b-bc	49	85	44	8	5	-	-	2-3	2-3	1500
	Guernsey ...	175															
6	Pembroke ...	142	22·7	+4	NNE	4	b-bc	47	97	45	8	1	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	24·6	-2	NNE	1	z.	45	97	44	6	-	-	-	0	0	-
	Chester (Sealand)	16	24·6	+2	L	1	m/f	42	85	38	4	-	-	-	0	0	-
8	Manchester ...	235	24·7	-2	NE'N	4	z.	42	85	39	5	-	-	-	0	0	-
10	Spurn Head ...	29	23·8	-2	NE	5	b	44	95	37	7	1	-	-	Tr	Tr	2500
	Catterick (Sc)...	192	26·2	-2	-	0	bf+	37	97	37	3	-	-	-	0	0	-
	Tynemouth ...	108	26·0	+2	NW	2	b	41	97	40	7	-	-	-	0	0	-
11	St. Abbs Head	280	25·2	-4	S	1	b	41	97	41	7	5	-	-	1	1	2500
	Leuchars ...	36	25·8	-6	-	0	z.	44	97	43	6	5	7	-	7-8	7-8	1200
12	Renfrew (Abbotsl.)	19	25·4	-2	-	0	z.	43	92	41	6	5	-	-	2-3	2-3	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	25·3	0	SE'S	1	b	44	92	42	8	-	-	-	0	0	-
13A	Tiree	44	24·9	-8	SW	2	bc	45	97	45	8	-	4	2	0	4-6	-
13B	Stornoway ...	15	23·0	-14	S	4	bc	46	97	46	8	4	-	8	2-3	4-6	2800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	25·5	-10	-	0	z.	40	97	40	6	-	7	8	0	4-6	-
	Wick ...	114	24·2	-8	SSE	2	b-bc	45	92	42	9	-	-	6	0	2-3	-
16	Sumburgh ..	19	24·4	-6	SW'S	3	c-bc	46	92	44	8	5	4	8	Tr	7-8	900
17	Blacksod Point	18	24·8	-10	SW	2	e-bc	49	85	45	8	5	-	-	7-8	7-8	2500
18	Malin Head ...	84	24·6	-6	S	2	b-bc	42	85	38	8	4	-	-	2-3	2-3	2500
	Aldergrove ...	268	25·6	-2	-	0	b	37	92	35	8	-	-	-	0	0	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	26·1	-10	-	0	b-bc	45	92	43	8	5	-	3	2-3	2-3	4000
	Roches Point	22	24·8	-8	N	4	b	47	85	43	8	5	-	-	9	1	2500

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

Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Cloud. Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
18·8	+6	NNE	4	z.	47	85	42	6	5	7	-	9	10	800	1	*
19·2	+4	N	2	r.r.	47	92	45	5	-	2	-	10	10	1000	1	*
18·7	+8	NE	3	id.	46	85	42	6	5	-	-	10	10	1000	1	*
19·2	+4	NE'N	4	c	44	85	40	7	5	7	-	7-8	10	1000	0	*
17·5	+10	N'E	4	d.d.	46	97	45	5	6	2	-	7-8	10	800	1	*
17·9	+10	NNE	2	z.	47	85	44	6	5	2	-	7-8	10	5000	1	*3
17·9	+10	NE'E	1	z.	48	97	47	6	5	2	-	4-6	10	800	1	*
18·9	+8	NE	4	r.r.	49	92	46	6	5	-	-	10	10	1500	1	*
18·7	+6	NE'N	4	c	49	85	45	7	-	3	-	0	10	-	0	3
19·9	+10	NE'N	5	b-bc	49	85	45	7	-	4	-	0	2-3	-	0	4
20·5	+6	NE'E	4	bc	47	85	42	8	-	7	9	0	4-6	-	1	*
22·8	+2	ENE	3	z.	45	92	43	6	5	-	-	4-6	4-6	300	0	*
22·5	+2	NE	4	z.	41	92	39	5	5	-	-	9+	9+	1500	1	*
20·3	0	ENE	4	z.	43	92	41	6	5	-	-	7-8	7-8	700	0	*
22·2	0	N	2	c	42	85	37	7	5	3	-	7-8	9	2000	0	*
20·0	0	NE	4	b-bc	46	65	35	7	1	4	-	1	2-3	3000	0	4
21·3	+2	NE	4	z.	41	92	39	6	5	-	-	10	10	1000	0	*
16·8	-4	NE	4	o	46	92	44	8	5	-	-	10	10	2500	1	4
19·1	-2	N'E	3	z.	46	75	39	6	5	3	-	4-6	9	2500	0	2
18·7	-14	NNE	4	bc	47	75	40	8	7	-	-	4-6	4-6	2500	0	3
20·4	-6	N'E	4	b	50	85	46	6	-	-	-	0	0	-	0	4
22·1	-6	NE'E	4	b-bc	47	75	38	7	5	-	-	2-3	2-3	3000	0	2
24·0	-2	NNE	3	z.	47	75	40	6	-	-	-	0	0	-	1	1
24·1	0	NE	1	z.	42	85	37	5	-	-	-	0	0	-	0	*
23·9	-2	NE'E	3	z.	43	75	37	6	-	-	-	0	0	-	0	*
23·6	0	NE	5	b-bc	47	85	42	7	4	-	-	2-3	2-3	2500	0	3
26·0	0	NNW	1	f-	38	97	37	2	-	-	-	10	10	4150	1	*
25·8	0	-	0	z.	42	92	40	6	8	-	-	4-6	7-8	2500	1	2
25·0	+4	SSE	1	bjf	46	85	42	7	-	-	-	0	0	-	0	2
25·1	0	-	0	f-	41	97	41	4	5	-	-	10	10	1000	1	*
24·9	-2	-	0	m	39	97	39	4	-	7	-	0	1	-	0	*
25·4	0	-	0	b	37	85	33	8	-	-	-	0	0	-	1	*
24·5	-4	E'S	1	b	47	97	46	8	-	-	-	0	0	-	0	2
23·1	-4	S	3	c	48	92	45	9	5	-	-	9+	9+	3000	0	3
20·8	-10	SSW	5	c/d	49	92	47	8	5	-	-	9+	9+	3200	1	3
24·0	-4	SW	2	o	44	85	40	8	5	-	-	10	10	2500	0	*
24·4	0	S	2	bjf	41	97	41	6	5	-	-	Tr	Tr	450	1	2
22·5	-2	S'W	2	b-bc	48	75	41	9	-	4	-	0	2-3	-	1	*
22·5	-8	S	4	b	48	85	44	8	-	-	1	0	Tr	-	0	2
23·7	0	S	1	c	50	75	43	8	8	-	-	10	10	4000	1	2
23·1	-4	SSW	3	c-bc	45	85	41	8	4	-	-	7-8	7-8	2500	2	2
24·9	-2	-	0	b-bc	42	92	40	7	5	7	-	1	2-3	4500	1	*
24·3	-2	NW	1	f	40	97	39	3	-	-	-	10	10	4150	1	*
24·5	-2	-	0	c	47	92	45	9	5	-	1	9	9	4000	1	1
23·4	-4	N	4	bc	48	85	44	8	-	-	5	0	4-6	-	1	3

PAST 24 HOURS.

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)
53	46	44	2	Tr	4·2
53	44	43	2	6	0·0
55	44	41	0·5	0·3	6·9
55	42	40	Tr	-	7·1
58	44	43	Tr	0·4	*
51	44	42	Tr	0·1	2·4
49	47	46	3	7	0·0
54	45	46	7	2	3·5
51	46	45	3	0·6	1·4
51	47	44	12	-	0·1
52	43	38	3	-	1·0
51	37	33	Tr	-	5·0
52	37	33	Tr	-	3·7
52	39	31	0·6	0·1	*
53	38	31	-	-	2·8
51	45	42	0·2	-	7·5
55	39	35	Tr	Tr	5·3
52	45	*	-	-	*
55	45	37	1	-	10·2
54	44	*	0·5	-	10·1
54	48	*	1	-	9·0
58	43	-	-	-	10·7
53	41	36	-	-	*
53	36	27	-	-	2·8
55	36	27	Tr	-	*
52	43	*	-	-	5·6
50	33	25	1	Tr	0·5
48	39	37	1	-	*
47	40	*	Tr	-	*
54	40	32	-	-	2·8
61	36	28	-	-	9·0
50	29	23	-	-	3·9
54	35	*	-	-	6·9
*	45	41	*	*	12·7
54	46	42	-	Tr	5·0
59	36	28	-	-	6·1
53	40	33	-	-	10·3
54	43	36	-	-	*
51	45	39	-	-	11·5
56	47	*	1	*	12·7
51	42	*	-	-	*
58	35	24	*	-	13·1
60	34	29	-	-	5·2
55	42	38	-	Tr	6·8
57	45	*	Tr	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 1st May ... 18h. G.M.T. | 01h. G.M.T. 2nd May ... 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 70	01862	24314	57	02862	15228	07	01790	14413	07	05690	17213
115 54	02964	22426				54	01964	16325	52	02844	20427
203 10	01953	16313				13	01953	16314			
206 16	01864	10214	47	02963	10215	00	01790	00013	04	01890	22101
210 10	01863	01214	10	02962	08215	04	01890	19213	53	02874	20125
219 10	02853	18326	40	02851	18326	50	01863	16313	57	21866	18667
230			00	02990	20225	50	02862	00025	5-	05867	00027
245 74	01953	06414	44	01961	08102	00	05690	00013	14	41651	20142
260 57	03656	04327	53	02754	08225	53	05664	00016	00	41490	00040
278 14	01954	30404	57	02954	28427	00	00790	00000	5-	05667	14217
279 53	02856	04528	57	02765	07326	00	05690	04100	00	05690	04300
285 6-	63528	04468									
288 5-	05648	03528	00	05690	03350	00	43390	00040	--	44209	00049
575 80	01854	00024	20	01864	28115	00	01890	00000	5-	07765	00046
301 87	05666	64428	10	05651	03321	60	05690	04200	00	05690	02100
321 5-	21637	02357	14	01890	04313	00	05690	02210	00	05590	02200
2.9 5-	02738	06328	00	00790	02400	00	00790	02500	80	01744	02414
292 5-	02737	03457	44	01861	06312	00	00790	00010	00	41590	02414
310											
614 52	21547	31358	54	01763	04315	00	05690	35400	5-	05545	04325

13h. G.M.T. 1st May ... 18h. G.M.T. | 01h. G.M.T. 2nd May ... 07h. G.M.T.

HIC$_L$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 46	02855	30486	5-	02845	01428	00	00690	00000	04	01790	04102
334 --	63647	28388									
340 52	02745	28388	5-	05636	32226	00	05690	30110	00	05690	28100
136 52	62646	30468	00	01890	04414	00	00790	04400	50	01843	06303
336 52	02756	04328									
350 57	61665	30528	57	02753	02365	50	01764	32414	53	02734	36427
368 84	01864	31314				00	00690	32200	50	01663	32203
379 57	25647	04488				50	05651	04511	5-	05628	02428
390 57	61655	30427	57	05556	31467	5-	05658	02428	52	05656	02428
382 57	02756	32427	52	22647	01168				5-	02748	05328
438 87	02755	30416	87	02644	32415	8-	02645	32515	82	07635	86428
430 10	02855	65415	53	05565	32327	5-	61548	34668	5-	22548	01358
409 20	25855	64585	27	01852	31613	50	01754	01414	50	02765	03315

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 2nd May.
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 ...	ce2oy	cr0rcm0	cm0r0cm0	Kew 24 hours ended 7h. Max. Time
Croydon ...	c2oi0z0y	c2oyr0r0	cm0r0r0	0·3 16-18 GT
Greenwich ...	cbec	corr	cirm	Min. Time
Camden Square ...	e	c	*	40·1 0-5h 2nd
Kensington ...	bccr0	oro	*	
Hampstead ...				

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 ...	53	46	44	2	Tr	4·2	*	*
Croydon ...	53	44	43	2	6	0·0	*	*
Greenwich ...	53	45	43	3	0·5	3·2	69	89
Westminster ...	55	46	40	2			72	83
Regents Park ...								
Camden Square ...	54	45	44	3	-	*	*	84
Kensington ...	54	45	43	2	Tr			82
Hampstead ...							*	

SECRET

Page 1

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

Monday 3rd May 1943. No. 29747

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind Direc. (3)	Wind 0-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)	18·6	-4	ENE	4	2_o	54	55	40	5	5	2	-	7-8	10	1500
	Croydon ...	19·3	-6	NE'N	4	2_o	51	75	34	6	5	-	-	10	10	3600
	S. Farnborough	18·0	-6	NE'E	3	2_o	55	65	44	6	7	2	-	9+	10	1000
	Boscombe Down	18·7	-2	NE	5	c	55	65	42	7	1	7	-	Tr	10	1000
	Thorney Island	17·6	-2	NE'N	4	c/a	52	85	47	6	6	2	-	10	10	1500
	Lympne ...	16·9	-10	NNE	2	c	51	75	44	7	5	-	-	10	10	600
	Manston ...	18·0	-2	NE'E	4	2_o	51	85	46	6	5	3	-	7-8	10	2000
2	Shoeburyness ...	18·8	0	NE	5	c	51	75	34	8	5	-	-	10	10	2500
	Dixstowe ...	18·8	-2	NE	6	c	53	65	42	7	-	7	-	0	9+	-
	Gorleston ...	20·7	0	NE'N	4	bc	51	75	43	7	-	7	5	0	4-6	-
	Mildenhall ...	24·1	-2	ENE	5	c	59	45	38	8	1	-	8	4-6	9+	4000
	Cranwell ...	21·7	-10	ENE	4	c-bc	58	55	40	8	1	-	5	4-6	7-8	2500
3	Birmingham ...	20·8	-6	ENE	4	bc	57	65	41	8	7	-	1	4-6	4-6	4000
	Upper Heyford	19·6	-8	NE'E	3	c	57	65	43	7	2	-	2	4-6	9+	1800
4	Ross-on-Wye	20·0	-12	NE'E	4	bc	59	55	41	7	1	3	1	2-3	4-6	2500
5	Hartland Point	19·7	+4	NE	4	b-bc	53	75	45	7	-	4	-	0	2-3	-
	Bristol	19·8	+8	NNE	4	c	55	65	45	7	1	3	8	4-6	10	4000
	Portland Bill ...	18·2	+6	NE	4	0	51	92	48	8	5	-	-	10	10	2500
	Plymouth ...	19·2	0	NE'N	4	c	51	75	44	7	5	7	-	4-6	9+	2000
	The Lizard ...	18·2	-4	NE	4	c	54	75	46	8	5	1	-	9	10	2000
	Scilly (St. Mary's)	19·6	-4	NNE	5	bc	53	65	42	7	8	6	-	2-3	4-6	2000
	Guernsey ...															
6	Pembroke ...	20·8	-6	N	4	b-bc	59	65	45	7	2	-	-	2-3	2-3	3000
7	Holyhead (Valley)	23·1	-6	NE'N	4	b	56	45	35	6	-	-	-	0	0	-
	Chester (Sealand)	22·1	-14	NE'N	1	b	59	45	38	6	1	-	-	Tr	Tr	2500
8	Manchester ...	22·1	-14	NE	2	2_o	60	55	33	6	-	3	-	0	1	-
10	Spurn Head ...	23·6	-10	E'N	2	bc	58	55	44	7	1	-	-	2-3	2-3	2500
	Catterick (Sc)...	24·9	-10	NNE	2	2_o	53	65	43	6	1	-	-	2-3	2-3	3000
	Tynemouth ...	25·7	-4	E	2	bc	50	75	41	7	5	-	-	4-6	4-6	2100
11	St. Abbs Head	23·5	-8	SE	4	b-bc	49	85	46	7	1	-	-	2-3	2-3	3500
	Leuchars ...	23·4	-10	ENE	2	2_o	53	75	44	6	-	-	-	0	0	-
12	Renfrew (Abbots I.)	23·5	-6	SW	2	c-bc	60	55	44	7	8	-	-	7-8	7-8	2500
	Eskdalemuir ...	23·0	-6	SE'E	1	bc	58	55	39	8	7	-	-	4-6	4-6	2800
	Point of Ayre...	24·4	0	ESE	1	b	54	75	46	8	-	-	-	0	0	-
13A	Tiree	23·8	+4	SW	3	id.	49	92	47	8	8	2	-	2-3	10	1800
13B	Stornoway ...	21·2	+8	WSW	4	rr	49	97	48	6	6	2	-	9+	10	900
15	Dalwhinnie ...	23·0	0	WSW	3	c	54	55	37	8	5	-	-	9+	9+	2500
	Aberdeen ...	23·5	-8	SSW	4	2_o	46	85	41	6	5	-	-	4-6	4-6	800
	Wick ...	21·8	-2	SSE	3	c-bc	57	55	42	9	5	3	-	4-6	7-8	3000
16	Sumburgh ...	21·7	+2	S	4	c	51	85	47	8	5	-	-	9	9	2500
17	Blacksod Point	26·1	+22	NNW	4	rr	49	97	48	6	6	2	-	4-6	10	1500
18	Malin Head ...	23·8	+4	W'N	4	c	51	75	43	8	5	2	-	4-6	10	2500
	Aldergrove ...	24·1	-4	W	2	b-bc	58	55	39	8	7	-	+	2-3	2-3	4000
19	Birr Castle ...	23·9	-2	NW	1	c	58	65	45	8	5	1	-	7-8	10	2500
20	Valentia Obsy.	24·7	+2	NNW	3	c	54	75	46	9	5	9	-	9	9+	4000
	Roches Point	22·9	4	-	0	c	57	75	49	8	8	-	-	9+	9+	1500

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind Direc. (18)	Wind 0-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)	18·2	+4	NE	4	c-bc	55	55	37	7	5	3	6	2-3	7-8	4000	1	*
	Croydon ...	18·5	-2	NNE	3	c-bc	53	55	39	6	-	4	2	0	7-8	-	1	*
	S. Farnborough	17·5	-4	NE'N	3	2_o	55	55	39	6	5	7	-	7-8	9	4000	0	*
	Boscombe Down	17·8	0	NE'N	4	c	56	55	38	8	-	3	-	0	9+	-	0	*
	Thorney Island	16·4	0	N'E	4	c	54	65	39	7	5	7	-	2-3	10	5700	0	*
	Lympne ...	16·4	-4	N'E	5	bc	51	75	44	8	-	-	8	0	4-6	-	0	§5
	Manston ...	16·8	0	NE	5	2_o	50	85	47	6	-	-	6	0	7-8	-	1	*
2	Shoeburyness ...	18·3	-2	NE	5	c-bc	52	75	45	7	-	4	-	0	7-8	*	1	*
	Dixstowe ...	18·2	-6	NNE	6	c-bc	52	75	43	8	-	7	5	0	7-8	-	0	4
	Gorleston ...	20·0	-2	NE'N	5	c-bc	51	75	42	7	-	7	-	0	7-8	-	0	4
	Mildenhall ...	20·0	0	NE'E	5	c	54	55	36	8	-	-	6	0	9	-	0	*
	Cranwell ...	21·8	+2	ENE	4	c-bc	53	55	37	9	4	-	5	Tr	7-8	2500	0	*
3	Birmingham ...	20·6	+4	ENE	4	c-bc	56	45	36	8	-	-	2	0	7-8	-	0	*
	Upper Heyford	20·0	+10	ENE	4	c	56	45	33	7	4	-	4	1	9	2500	0	*
4	Ross-on-Wye	19·7	0	NE'E	4	bc	58	45	37	8	7	-	2	2-3	4-6	4000	0	*
5	Hartland Point	19·3	0	N	2	c	53	75	45	7	-	7	-	0	9	-	0	3
	Bristol	19·3	+2	NE	3	bc	57	55	43	8	7	4	4	2-3	4-6	5700	0	*
	Portland Bill ...	17·1	-4	NE	4	c	56	92	54	8	5	-	*	10	10	4000	1	4
	Plymouth ...	18·8	-2	NE	4	c-bc	56	65	46	7	5	9	2	2-3	7-8	2500	0	2
	The Lizard ...	18·7	+2	NNE	3	c	54	75	48	8	5	4	-	9+	9+	2000	0	3
	Scilly (St. Mary's)	19·9	+4	N	5	c	53	75	45	7	5	-	-	9	9	1200	0	4
	Guernsey ...																	
6	Pembroke ...	20·8	+6	N'E	5	b-bc	55	65	43	7	5	-	-	2-3	2-3	3000	0	2
7	Holyhead (Valley)	23·3	+6	NNE	3	b	54	65	43	7	-	-	5	0	1	-	0	2
	Chester (Sealand)	21·6	+2	E'S	1	2_o	60	45	39	6	1	-	*	4-6	4-6	3000	0	*
8	Manchester ...	22·0	+2	NE'E	3	b	57	55	38	8	4	-	-	Tr	Tr	4000	0	*
10	Spurn Head ...	23·3	0	NE	4	bc	49	85	45	7	7	3	4	2-3	4-6	1500	0	3
	Catterick (Sc)...	23·3	-8	ENE	2	2_o	53	65	43	5	-	-	-	0	0	-	1	*
	Tynemouth ...	25·1	-2	SE	3	b	46	75	40	7	-	-	-	0	0	-	0	2
11	St. Abbs Head	22·3	-4	SE	3	bc	48	92	46	7	5	-	-	4-6	4-6	3000	0	4
	Leuchars ...	22·5	+2	—	0	c-bc	54	75	46	7	5	-	-	7-8	7-8	3000	0	*
12	Renfrew (Abbots I.)	24·0	+6	WNW	4	c	53	65	43	8	5	7	6	7-8	9+	2000	0	*
	Eskdalemuir ...	22·4	+2	NW'N	3	c	55	65	44	7	8	-	-	9	9	1900	0	*
	Point of Ayre...	23·7	0	NW	3	b	53	45	42	8	-	-	8	0	Tr	-	0	1
13A	Tiree	26·4	+20	NW'N	4	c-bc	50	85	46	8	8	7	8	1	7-8	2000	1	3
13B	Stornoway ...	25·1	+24	WNW	4	bc	49	85	46	9	2	2	6	4-6	4-6	2000	1	3
15	Dalwhinnie ...	25·0	+8	W	3	pr	47	85	42	7	5	2	-	9	10	2500	1	*
	Aberdeen ...	22·7	0	S'N	3	2_o	48	75	41	6	-	5	-	0	9+	-	1	2
	Wick ...	23·1	+14	WNW	3	r/o	48	92	46	6	5	2	*	7-8	10	2000	1	*
16	Sumburgh ...	21·4	0	S	4	i/o	47	97	46	6	5	-	-	10	10	600	0	2
17	Blacksod Point	28·6	+18	N	5	c-bc	51	75	43	8	8	-	2	4-6	7-8	1500	1	4
18	Malin Head ...	26·4	+26	N	4	c/r	50	92	48	8	5	2	-	4-6	10	2500	2	3
	Aldergrove ...	25·9	+18	NW	3	i/o	50	85	46	7	5	2	-	9	10	1800	1	*
19	Birr Castle ...	25·0	+12	NW	3	c	52	85	48	8	8	2	-	7-8	10	1500	1	*
20	Valentia Obsy.	26·7	+14	NE'N	4	c/r	51	85	47	8	5	7	-	4-6	10	1500	1	3
	Roches Point	23·2	+2	N	5	c	56	75	48	8	5	7	-	4-6	9+	1500	1	3

PAST 24 HOURS. WEATHER.

District	Stations	7h.—13h. 2nd (39)	13h.—18h. 2nd (40)	18h. 2nd to 1h. 3rd (41)	1h.—7h. 3rd (42)
1	London (Kew)	i-r-o-c-z_o	c-z-o-b-c-y	b-c-y-b	bb-e-c-m_o
	Croydon ...	c-d-$_o$-d-$_o$-c-z_o	e-3_o-b-e-z_o-y	b-c-z_o-y-b-m_o	c-b-e-c-m_o
	S. Farnborough	c-i-d-$_o$-c-m_o-z_o	c-z_o-y	c-z_o-y-b-b-c	b-e-c-m_o
	Boscombe Down	c	c-c-y	b-b-c	b-e-m_o-b-c_m
	Thorney Island	c-d-$_o$-d-$_o$-i-d-$_o$	c-m_o-c	c-m_o-b-c_m	b-c_m-$_o$-c
	Lympne ...	o-i-d-$_o$-5_m-c_m-$_o$-c	b-e-c-b-e	b-e-c	b-e-c-m_o-c
	Manston ...	c	c-d-$_o$-c-b-c	c-m_o	b-e-c-m_o-c
2	Shoeburyness ...	r-o-r-o-c	c-i-r-o-c	c	b-c_m-$_o$
	Dixstowe ...	c-m_o-c	c-b-e-c	b-b-c	b-c_m-$_o$-c
	Gorleston ...	b-c	b-c	b-c-b	b-e-w-c_z-$_o$
	Mildenhall ...	b-c-c-y	c-y	c-y-c-b-c-b	b-c_m-$_o$-f-w
	Cranwell ...	b-m_o-w-b-c-v	b-c-v-y	b-c-v-y-b-m_o	b-m_o-f-c_m-$_o$
3	Birmingham ...	c-b-c	b-c-c	c-b	b-m
	Upper Heyford	c-c-i-d-$_o$-c	c-c-y	c-y-b-c-b	b-b-e-c-m_o
4	Ross-on-Wye	c-b-c-c	b-6-y	b-c-y-b-y.	b-b-c-b
5	Hartland Point	b-c-b	b-c	c-b	b-b-c
	Bristol	c-m_o-b-c_m-c_m-$_o$	c-c-y	b-c-y-b-c-b	b-w-m_o-b-w
	Portland Bill ...	o-o	o-6	b-e-c	c-b-c
	Plymouth ...	c	c	c-b-c-b-y	b-y-b-b-y
	The Lizard ...	b-c-c	c	c-b-c-b	b-b-c
	Scilly (St. Mary's)	b-c-c	b-c-c	c-b-c-b	b-b-c-c
	Guernsey ...				
6	Pembroke ...	b-c	b-c	b-c-q-	c-q-
7	Holyhead (Valley)	m_o-b-y	b-y	b-b-c	b-c-b-c
	Chester (Sealand)	b-m_o-z_o-y	b_o-b-c-z_o-y	b-m_o	b-b-c-f-F
8	Manchester ...	b-m_o-b-z_o-y	b-z_o-b-y	b-y-b-z_o-m_o	b-b-e-m_o-c-f
10	Spurn Head ...	b-c	b-c	b-e	b-e
	Catterick (Sc)...	c-m_o-b-m_o	b-m_o-b-z_o	b-f	c-m_o-f-m_o
	Tynemouth ...	c-m_o-c-b-e	b-c-b	b-b-c	c-o-i-r_o
11	St. Abbs Head	b-j-f-b-c-b-m_o	b-e-e-m_o	b-b-c	c-r-r-c
	Leuchars ...	b-c_m-$_o$-b-b-z_o	b-z_o-c-b-c	b-e-$_o$-r-r-m_o	c-r-r-m_o-p_r-b-c-b
12	Renfrew (Abbots I.)	b-m_o-c-m_o-c	c-c-y-c	c-i-r-o-c-b-c	b-c-l-b-w-b-c
	Eskdalemuir ...	b-y-b-c-y	b-c-y-c	c-p-r-c	c-b-c
	Point of Ayre...	b	b	b-b-c-c	c-b-b-c-b
13A	Tiree	c-c-i-d-$_o$	c-d-r-r-r-$_o$	c-b-$_o$	b-e-e-j-p-c
13B	Stornoway ...	c-i-d-$_o$-c-c-r-r	c-r-r-r_o-b_o-b-c	b	b-b-c-p_r-$_o$-w-c
15	Dalwhinnie ...	o-b-c-c	c-o-p-r_o	*	o-p-r-b-c
	Aberdeen ...	b-m_o-b-c-z_o	b-c-c-z_o	c-z_o	c-i-r_o-b
	Wick ...	b-e-b	c-e-r_o-r_o-m_o	c-r-r_o-c-b-c	b-c
16	Sumburgh ...	c-b-e-c	c-i-r_o-m_o	r_o-r_o-c	b-c-b
17	Blacksod Point	r	r	b-c	b-c
18	Malin Head ...	c	r	b-c	p-r
	Aldergrove ...	b-w-b-b-c	c-y-c-i-r_o-c	c-i-r_o-c-b-c-b	b-m_o-b-c-c
19	Birr Castle ...	c	c	*	b-c
20	Valentia Obsy.	c	r	r	b-c
	Roches Point	b-c	c	c	b

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

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

Moderate or fresh north-northeast winds; mainly fair with bright periods, afternoon and evening, but much low cloud night and morning; rather cold.

Moderate or fresh north-northeast winds; fair with considerable bright periods; rather cold.

Moderate or fresh north-northeast winds; cloudy with local rain at first, some bright periods later; cold.

Light or moderate northerly winds; fair or fine; rather cold.

Light or moderate west to southwest winds, freshening; cloudy, local showers at first, some rain or drizzle spreading from west later; rather cold.

16 Orkneys and Shetlands	As 13A – 15.
17 N.W. Ireland 18 N.E. Ireland	Light or moderate north to northwest wind; fair; rather cold.
19 S.E. Ireland 20 S.W. Ireland	As 3-8.

GENERAL INFERENCE

An anticyclone extends from the Azores to Ireland. Weather will be fair in most districts of the British Isles but troughs from the Atlantic will cause some rain to spread to extreme north and northwest districts. It will be cold or rather cold generally.

FURTHER OUTLOOK

No important change indicated.

Forecasts issued at 1030h.

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

7h. MONDAY 3rd MAY 1943.

LOW

HIGH

10° 5°W. 0° 5°E. 10°

60°

55°

50°

1020 1022 1024 1026 1028 1030 1032 1034 1036 1038

1016 1014

LOW

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past ¾ hours in mbs.

Weather in past hour

Past weather

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

5°E. Scale 1 : 5,000,000

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

4448. Gp. 968/2. 7200. 4/43

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Monday, 3rd May

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Monday 3rd May, 1943 — No. 29747

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	45	*	*	*	*	*	*	*	*	*
	Croydon ...	290	19·9	+2	N'E	2	z_o	46	92	43	6	5	–	–	10	10	1000
	S. Farnborough	226	19·3	-2	NNE	3	c-bc	48	85	40	8	5	–	4	4-6	7-8	2000
	Boscombe Down	417	19·6	-2	N'E	4	bc	43	85	39	7	–	7	1	0	4-6	–
	Thorney Island	10	17·1	-6	N	4	z_o	47	78	39	6	5	–	–	4-6	4-6	2500
	Lympne ...	283	16·4	-6	N'E	5	c-bc	48	92	45	7	–	–	8	0	7-8	–
	Manston ...	154	16·9	-4	NE'N	4	z_o	49	92	47	6	–	4	2	0	4-6	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	18·7	-2	NNE	4	bc	49	92	45	7	–	–	2	0	4-6	–
	Gorleston ...	5	19·9	-2	NE'N	5	b	49	85	45	7	–	–	–	0	0	–
	Mildenhall ...	15	21·1	-2	NNE	3	b	44	97	43	7	–	–	1	0	Tr	–
	Cranwell ...	203	23·5	0	NNE	3	z_o	41	97	41	6	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·4	-2	NNE	3	b-bc	41	92	38	8	5	–	–	2-3	2-3	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·1	+10	NNE	4	b	50	75	42	7	–	–	–	0	0	–
	Bristol ...	209	22·0	+2	NNE	2	b	43	75	36	7	–	–	–	0	0	–
	Portland Bill ...	32	17·6	-6	ENE	4	c	50	92	48	8	5	–	–	10	10	4000
	Plymouth ...	82	20·5	+6	NE	4	b	49	55	35	8	–	–	–	0	0	–
	The Lizard ...	240	20·2	+4	NE	4	b	48	75	41	8	–	–	–	0	0	–
	Scilly (St.Mary's)	163	21·8	+2	N'E	5	b	49	75	41	6	–	–	–	0	0	–
	Guernsey ...	175															
6	Pembroke ...	142	24·1	+12	NNE	5	b-bc	48	92	47	7	5	–	–	2-3	2-3	4000
7	Holyhead (Valley)	32	26·0	+8	N'W	4	b	47	92	45	8	–	4	–	0	1	–
	Chester (Sealand)	16	24·5	+4	–	0	z_o	44	92	42	5	–	–	–	0	0	–
8	Manchester ...	235	24·7	+2	NE	2	z_o	37	92	36	5	–	3	–	0	2-3	–
10	Spurn Head ...	29	23·8	0	NE'N	3	b-bc	45	92	44	7	7	3	–	2-3	2-3	1500
	Catterick (Sc.)...	192	25·1	+2	–	0	bf–	39	92	37	3	–	–	–	0	0	–
	Tynemouth ...	108	25·5	+6	S	2	bc	49	85	45	7	2	–	–	4-6	4-6	2500
11	St. Abbs Head	280	25·5	+20	N	4	c	46	97	46	7	5	–	–	9+	9+	2500
	Leuchars ...	36	27·5	+26	–	0	rr	45	85	42	6	6	2	–	2-3	10	1600
12	Renfrew (Abbotsl.)	19	27·7	+18	NW'W	2	c-bc	45	85	41	7	5	4	–	4-6	7-8	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	28·5	+0	N	4	c	49	85	44	8	5	–	–	9+	9+	2000
13A	Tiree	44	29·8	+10	NNW	4	b-bc	46	92	43	8	5	–	–	2-3	2-3	2000
13B	Stornoway ...	15	28·5	+6	SW	3	b	40	92	39	8	4	–	–	1	1	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	27·3	+24	NW	3	$r_o r_o$	44	85	40	6	5	–	–	10	10	6200
	Wick ...	114	27·0	+14	W'S	2	bc	42	92	40	8	8	7	–	2-3	4-6	2500
16	Sumburgh ...	19	24·6	+12	W	4	c	47	75	38	8	5	7	8	4-6	9+	2500
17	Blacksod Point	18	32·5	+6	N'W	3	b	45	85	41	8	8	–	–	1	1	2500
18	Malin Head ...	84	29·9	+10	NNE	3	bc	47	65	41	8	5	–	–	4-6	4-6	2500
	Aldergrove ...	268	29·3	+14	NNW	1	b	40	92	37	7	–	–	–	0	0	–
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	31·4	+18	ENE	4	bc	47	65	36	8	5	–	–	4-6	4-6	2500
	Roches Point	22	28·0	+18	N	6	c-bc	45	85	41	8	8	–	–	7-8	7-8	1600

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

Barom. 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)
20·3	+12	NNE	4	z_o	47	85	43	6	5	–	–	9+	9+	2500	1	*
20·8	+12	N'E	3	z_o	47	85	43	6	5	4	–	7-8	9+	900	1	*
20·4	+14	NNE	4	z_o	46	85	42	6	5	–	4	9+	9+	800	0	*
20·4	+6	N'E	5	z_o	45	85	41	6	5	–	2	4-6	4-6	300	0	*
18·5	+12	N	5	c-bc	49	75	43	7	5	8	6	1	7-8	500	0	*
17·8	+14	N'E	5	c-bc	51	75	44	7	–	–	6	0	7-8	–	0	5
18·1	+14	NE'N	4	c	50	85	47	7	–	8	6	0	9+	–	1	*
19·7	+14	NNE	4	z_o	50	85	45	6	1	1	–	2-3	7-8	1500	0	*
20·3	+14	N'E	5	c	50	85	46	8	1	–	–	2-3	9	2000	0	4
21·1	+8	NNE	5	c-bc	48	92	46	6	5	–	–	7-8	7-8	700	0	4
22·1	+10	NNE	4	c	48	85	44	7	5	–	–	10	10	1000	0	*
24·6	+10	NE	3	z_o	45	92	43	6	5	–	–	9+	9+	500	0	*
24·5	+6	NNE	3	m	45	75	37	4	–	–	1	0	Tr	–	0	*
22·1	+6	NNE	3	z_o	43	85	40	6	5	–	1	2-3	4-6	600	0	*
23·5	+8	N'E	3	b	45	65	35	6	5	–	1	Tr	Tr	3000	0	*
22·9	+12	NE	4	bc	50	92	47	7	1	4	–	2-3	4-6	2500	0	4
22·9	+6	NNE	4	z_o	44	85	39	6	–	4	–	0	Tr	–	0	*
19·3	+18	N	4	bc	47	92	45	8	2	–	–	4-6	4-6	4000	1	4
22·2	+10	NE	4	b	48	55	35	8	–	4	1	0	1	–	0	2
22·5	+18	NE	5	bc	49	75	40	8	4	–	–	4-6	4-6	2500	0	4
23·5	+12	N'E	6	cjp	50	75	43	7	8	6	–	9+	9+	1800	0	5
25·8	+4	NNE	6	cq	48	85	44	7	8	–	–	9+	9+	2500	0	4
27·3	+14	N'W	5	c	48	85	42	8	5	3	5	4-6	9	2500	0	3
26·1	+18	NE'N	1	c	45	75	38	4	5	3	–	7-8	10	1000	0	*
25·9	+10	NE'N	3	bf	41	85	37	3	–	–	–	0	0	–	0	*
24·9	+10	NE'N	4	bc	48	85	43	7	7	–	–	4-6	4-6	1500	0	3
27·4	+18	NE	3	z_o	46	92	44	6	2	3	–	7-8	9	1200	0	*
27·8	+16	N	6	o/r	45	92	43	7	–	2	–	10	10	2200	1	3
28·0	+18	N	3	c/r	43	97	42	7	5	2	–	7-8	9	2500	1	4
30·1	+18	WNW	1	b	44	75	38	8	–	7	–	0	1	–	1	*
31·0	+18	NW'W	2	bc	45	65	39	8	–	–	6	0	4-6	–	0	*
30·5	+20	NE'N	2	bc	41	85	37	8	5	3	–	4-6	4-6	1700	1	*
29·2	+24	NE	5	b-bc	47	85	43	8	4	4	–	1	2-3	1600	0	4
32·1	+22	NW	2	c	47	92	44	9	2	1	–	2-3	9	2000	0	2
29·4	-2	SSW	2	c/d	45	92	43	8	2	7	–	2-3	9+	2200	1	1
31·0	+10	N	1	bc	38	85	34	8	1	–	2	Tr	4-6	4000	1	*
29·8	+20	NW	3	b	43	75	36	8	–	3	–	0	1	–	1	2
29·0	+12	W'N	2	b-bc	42	85	39	9	8	4	–	1	2-3	3500	0	*
26·3	+12	W	5	b-bc	46	85	43	8	2	–	–	2-3	2-3	2500	1	3
34·5	+12	N'W	3	bc	49	75	42	8	8	–	6	2-3	4-6	2500	1	3
32·0	+14	N'W	4	c	48	65	37	8	8	–	7	2-3	9	2500	2	3
31·6	+10	W	1	c	54	75	38	7	8	–	8	1	9+	2000	1	*
32·0	+14	NNE	2	bc	44	75	37	8	–	–	5	0	4-6	–	1	*
33·4	+10	NE	4	c	48	65	37	9	1	7	–	1	9+	2500	1	3
30·7	+18	N	5	c	46	85	42	8	5	1	–	1	9+	2500	1	4

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 2nd Hrs. (38)
57	45	40	Tr	–	0·1
54	44	42	0·2	–	0·1
56	44	38	Tr	–	0·6
60	41	37	–	–	0·7
56	44	42	Tr	–	*
54	47	43	Tr	–	1·6
53	48	46	0·1	–	1·6
54	45	41	0·3	–	2·5
54	45	42	–	–	1·2
52	47	45	–	–	8·3
60	44	38	–	Tr	8·7
63	40	32	–	–	12·8
60	39	29	–	–	9·0
59	40	31	–	–	*
61	39	34	–	–	8·9
54	47	45	–	–	6·9
58	40	32	–	–	2·1
56	44	*	–	–	*
56	44	36	–	–	2·9
55	44	*	–	–	5·0
54	49	*	–	–	10·6
60	46	*	–	–	13·0
58	45	41	–	–	*
62	39	29	–	–	12·1
62	35	28	–	–	*
58	44	*	–	–	14·2
55	33	28	–	–	6·4
50	43	35	–	0·2	*
49	41	*	–	5	*
61	41	36	–	4	6·3
60	37	26	–	Tr	6·2
59	38	36	–	4	8·1
55	45	*	–	–	11·7
52	43	38	2	–	1·6
58	40	38	Tr	Tr	2·7
56	28	21	Tr	3	5·3
50	41	38	–	Tr	10·0
59	36	33	2	1	*
51	45	37	–	2	7·4
52	44	*	3	–	–
54	46		1	Tr	3·4
59	37	26	Tr	0·6	7·0
61	37	33	–	0·2	4·1
55	46	43	0·5	0·2	2·3
58	45	*	–	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 2nd May ... 18h. G.M.T. | 01h. G.M.T. 3rd May ... 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	7	02854	14325	5	2	51744	23458	5	7	01744	23224	3	7	25754	21384
115	5	2	02844	20527	5	7	02844	24467	8	7	81844	24486	5	7	02844	28527
203	5-		10748	16523	8-		02947	24287								
206	5	3	02964	22505	6	2	62755	22428	5-		01862	28112	5	3	01863	24314
210	5	3	02865	23527	5	2	61856	24466	8	7	01890	25364	0	4	01990	21302
219	8-		61747	28467	3	0	81955	29465	4	0	01853	26413	8	7	02953	14417
230	7	3	02963	20326	5	7	61945	26268	5	0	01861	26311				
245	5-		05636	14316	5	0	01754	17214	5	2	58646	31368	5	0	01863	30263
260	1	0	05663	28203	5	0	01763	25314	5	0	64638	28268	5	0	01861	00021
278	1	0	01751	20201	1	3	02951	30416	5	0	01862	63622	1	6	02841	34517
279	1	0	01751	32201	1	0	01761	24207	5	2	02655	30428	5-		61856	03366
285													5-		53628	02558
288	1	0	05652	02242	0	0	00790	04200	0	0	47190	00040	8-		25655	31227
576					5	2	58745	32267	5	0	01754	32204	1	4	02851	32225
301	1	0	01861	32201	0	0	05690	30300	0	0	05690	08200	5	2	61654	02328
321	1	0	01854	06414	1	0	01851	06313	0	0	47390	02110	0	0	05590	30343
2.2	1	0	01744	04414	5-		02735	02315	5-		03748	28218	5	0	42744	32344
292	1	0	01854	07214	1	0	01851	05111	0	0	05590	08110	5-		08438	27143
310													--		01631	08311
614	1	0	01854	06414	0	0	02890	04425	0	0	05690	02300	0	0	05590	02414

13h. G.M.T. 2nd May ... 18h. G.M.T. | 01h. G.M.T. 3rd May ... 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	1	0	01861	30201	0	0	17690	32300	5	0	05654	32414	5	7	05746	32527
334														--	03547	32328
340	1	0	05654	06214	1	0	02852	06314	0	0	05690	32200	0	0	08490	32202
136	1	0	01843	37414	0	0	02890	04415	0	0	05690	02210	5-		02737	04327
336													1	3	01752	04313
350	7	7	02854	04427	4	4	02862	37425	5	0	01731	32302	5-		05627	04428
368	5	7	05653	06417	5	4	05653	02215	0	0	00690	02200	0	0	00790	32302
379	1	7	02853	04667	1	7	01852	04624	0	0	00890	02400	5	4	05512	30443
390	5	7	02763	05428	0	0	01790	04425	5	7	05663	32514	5-		05637	02427
382	5	7	02756	06428	4	7	02862	04327	0	7	05690	02303	5-		05636	02326
438	5-		81638	02488	5	7	02744	02616	5	4	01753	32613	5	7	01615	32615
430	5-		51634	37358	5	7	02763	04528	5	3	05663	37524	5	7	05641	32326
409	5	9	02764	02427	5	7	02765	02428	0	0	00690	02400	2-		02744	02517

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 3rd May.
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 ...	$ir_o r_o cz_o$	$cz_o bcy$	bcybcm$_o$	Kew 24 hours ended 7h.
Croydon ...	$cd_o d_o cz_o$	$cz_o bcz_o y$	bczybcm$_o$	Max. Time
Greenwich ...	$ir_o c$	cbcy	bcbc	0·3 8-9h
Camden Square	c	c	*	Min 2nd
Kensington ...	odc	cbc	*	<0·1 17-24h 2nd
Hampstead ...				

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 ...	57	45	40	Tr	–	0·1	*	*
Croydon ...	54	44	42	0·2	–	0·1	*	*
Greenwich ...	56	44	38	Tr	–	0·4	56	69
Westminster ...	57	45	41	Tr			63	71
Regents Park ...	58	44	40	–	–	*	55	89
Camden Square	58	44	40	–	–		*	73
Kensington ...	59	45	40	–	–		55	73
Hampstead ...							*	

SECRET

Page 1

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

BRITISH SECTION

Tuesday 4th May 1943.

No. 29748

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	21·4	0	NNE	6	c-bc	57	55	40	7	8	-	3	7-8	7-8	2500
	Croydon ...	21·4	+2	N	5	c	56	56	41	7	2	-	-	9	9	2500
	S. Farnborough	20·9	+2	NNE	5	c-bc	58	58	39	7	1	-	4	4-6	7-8	2000
	Boscombe Down	21·6	-2	NE'N	5	bc	57	55	39	8	1	-	1	4-6	4-6	2500
	Thorney Island	19·1	-2	NNE	6	c-bc	58	55	42	7	8	-	2	7-8	7-8	3000
	Lympne ...	19·0	+4	NNE	8	bc	55	65	42	8	1	-	3	Tr	4-6	600
	Manston ...	19·8	+10	NE'N	5	c	54	85	48	8	-	-	7	6	9	-
2	Shoeburyness ...	20·8	-4	NE	5	c	53	75	45	8	1	-	-	1	9	2500
	Felixstowe ...	21·2	-2	NNE	6	c	56	48	34	8	2	-	5	Tr	9	4000
	Gorleston ...	22·8	+6	N'E	6	bc9	50	88	44	7	-	7	-	4-6	4-6	700
	Mildenhall ...	23·4	-2	NE	5	bc	55	65	43	8	1	-	8	2-3	4-6	2000
	Cranwell ...	26·1	+2	NE	5	bc	55	58	39	8	1	-	-	4-6	4-6	1500
3	Birmingham ...	25·5	+6	NNE	5	bc	55	45	35	7	7	-	-	4-6	4-6	2500
	Upper Heyford	23·1	+2	NNE	6	bc	57	45	37	8	1	-	-	4-6	4-6	2000
4	Ross-on-Wye	24·1	+4	NE	5	bc	57	35	29	7	1	-	-	Tr	Tr	4000
5	Hartland Point	23·4	0	N	5	b	51	92	48	7	1	-	-	Tr	Tr	2500
	Bristol ...	23·2	-2	NNE	5	b	58	55	42	8	1	-	-	1	1	4000
	Portland Bill ...	19·9	+4	W	5	c	57	85	52	8	2	-	-	9	9	4000
	Plymouth ...	22·4	+4	NE	5	b	59	35	34	8	1	4	-	Tr	1	2500
	The Lizard ...	22·8	+2	NNE	7	c-bc	56	65	46	8	2	-	-	7-8	7-8	2500
	Scilly (St. Mary's)	25·4	0	N'E	7	c	51	75	44	6	5	-	-	9+	9+	1500
	Guernsey ...															
6	Pembroke ...	26·2	0	NE'N	7	c9	51	92	48	7	8	-	-	10	10	2500
7	Holyhead (Valley)	30·4	+14	NNE	6	bc	53	65	40	8	8	4	3	2-3	4-6	3000
	Chester (Sealand)	29·0	+14	NE	2	c	52	66	42	6	5	3	-	4-6	9	2500
8	Manchester ...	27·9	+10	NNE	4	Z_0	53	65	40	6	2	3	-	7-8	7-8	2500
10	Spurn Head ...	27·6	+10	NNE	6	b-bc	52	75	48	7	2	-	-	2-3	2-3	1500
	Catterick (Sc) ...	30·0	+6	NNE	4	id_0	47	85	41	6	5	2	-	7-8	10	1200
	Tynemouth ...	31·0	+16	N	6	c/r	48	85	39	7	-	2	-	10	10	2400
11	St. Abbs Head	31·1	+8	N	3	bc	40	85	33	7	4	4	-	2-3	4-6	3500
	Leuchars ...	30·9	-2	SE'E	2	c	52	55	38	8	8	1	8	1	9	2500
12	Renfrew (Abbotsl.)	31·8	-2	-	0	c	56	48	36	9	1	-	6	4-6	9	3000
	Eskdalemuir ...	30·9	0	NE'N	3	c-bc	52	48	32	8	5	3	1	4-6	7-8	2500
	Point of Ayre ...	31·4	+4	E'S	2	c-bc	53	76	45	8	1	-	6	Tr	7-8	3000
13A	Tiree	33·7	+8	NW	1	c	52	75	45	8	7	5	6	4-6	9+	2500
13B	Stornoway ...	30·5	0	WSW	4	c-bc	53	85	49	8	8	3	1	4-6	7-8	2500
15	Dalwhinnie ...	31·5	+4	NNW	3	c	50	55	35	8	5	-	2	7-8	9+	4000
	Aberdeen ...	31·2	+4	NW'N	3	c-bc	55	75	44	8	1	-	6	4-6	7-8	5000
	Wick ...	30·2	+8	WNW	3	c-bc	53	65	38	8	8	-	6	7-8	7-8	2500
16	Sumburgh ...	28·0	+10	WSW	5	bc	50	85	46	8	1	4	9	1	4-6	2500
17	Blackcod Point	35·7	+4	NNW	3	c	52	75	44	8	8	-	-	9+	9+	2500
18	Malin Head ...	33·6	+8	N'W	2	c-bc/p	51	65	40	8	8	-	8	2-3	7-8	2500
	Aldergrove ...	32·9	+2	N'W	2	bc	50	55	40	9	7	-	5	4-6	4-6	3000
19	Birr Castle ...	32·7	+2	N	3	c-bc	57	55	41	8	4	-	3	4-6	7-8	2500
20	Valentia Obsy.	34·7	+6	NE'N	5	c	54	55	39	9	1	4	2	4-6	9+	2500
	Roches Point	31·0	-2	NNE	6	bc	56	65	44	9	1	-	5	1	4-6	4000

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

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)	22·9	+14	NNE	5	c-bc	55	55	40	8	8	-	4	2-3	7-8	2500	1	*
	Croydon ...	22·6	+8	N'E	4	c-bc	57	45	33	7	5	-	3	Tr	7-8	2500	1	*
	S. Farnborough	22·5	+12	NNE	4	bc	55	65	41	7	1	-	6	1	4-6	2000	0	*
	Boscombe Down	23·0	+14	NE'N	6	bc	53	55	38	8	1	-	8	2-3	4-6	3000	0	*
	Thorney Island	20·0	+10	NNE	6	c	55	45	37	7	-	-	6	0	5	-	0	*
	Lympne ...	20·4	+6	NNE	6	c-bc	51	75	43	8	-	-	3	0	7-8	-	0	55
	Manston ...	21·2	+14	NE'N	5	c	50	85	45	8	-	7	8	0	9+	-	1	*
2	Shoeburyness ...	22·1	+8	NNE	5	c-bc	54	55	37	8	-	4	2	0	7-8	-	0	*
	Felixstowe ...	22·4	+10	NNE	5	c-bc	54	55	37	8	-	-	5	0	7-8	-	0	4
	Gorleston ...	24·2	+10	N'E	6	bc	51	85	46	7	7	-	4	2-3	4-6	3000	0	4
	Mildenhall ...	25·2	+16	NE'N	5	bc	52	65	42	8	1	-	1	2-3	4-6	2000	0	*
	Cranwell ...	27·7	+10	NE'E	5	b-bc	50	65	39	9	1	-	-	2-3	2-3	2500	0	*
3	Birmingham ...	26·9	+8	NNE	4	Z_0	52	65	41	6	5	-	-	4-6	4-6	2500	0	*
	Upper Heyford	25·0	+18	NE'N	6	b	52	65	38	8	1	-	5	1	1	2500	0	*
4	Ross-on-Wye	25·5	+10	NNE	5	c-bc	54	55	37	8	7	-	-	7-8	7-8	4000	0	*
5	Hartland Point	24·1	+12	N	5	Z_0	51	85	46	7	1	-	-	2-3	2-3	3000	0	1
	Bristol ...	24·2	+10	NNE	5	b	55	55	39	8	4	-	-	Tr	Tr	4000	0	*
	Portland Bill ...	21·0	+10	NE	5	c-bc	67	85	53	8	1	-	-	7-8	7-8	4000	1	5
	Plymouth ...	22·7	+6	NE	8	Z_0	57	45	37	7	-	3	-	0	7-8	-	0	2
	The Lizard ...	22·3	0	NNE	6	b-bc	53	65	42	7	4	-	-	2-3	2-3	2500	0	5
	Scilly (St. Mary's)	25·3	-2	N'E	7	c-bc	50	75	43	7	5	1	2	4-6	7-8	1500	0	5
	Guernsey ...																	
6	Pembroke ...	28·6	+6	NE'N	6	c-bc9	50	85	46	8	8	-	-	7-8	7-8	2500	0	4
7	Holyhead (Valley)	30·3	0	N	4	b-bc	52	65	41	9	1	4	3	Tr	2-3	4000	0	3
	Chester (Sealand)	29·7	+6	NNE	3	c	50	65	41	6	5	-	-	9+	9+	4000	0	*
8	Manchester ...	29·7	+10	N'E	4	Z_0	48	75	40	6	5	-	-	8+	9+	2000	0	*
10	Spurn Head ...	28·7	+8	NNE	5	b-bc	48	85	48	7	5	-	-	2-3	2-3	2500	0	4
	Catterick (Sc) ...	31·2	+8	NE	4	c	47	75	40	7	5	7	-	4-6	9	1800	1	*
	Tynemouth ...	32·2	+8	N	3	bc	47	75	41	7	-	4	1	0	4-6	-	1	3
11	St. Abbs Head	31·7	+4	SE	2	bc	50	75	43	7	5	4	-	2-3	4-6	3500	0	3
	Leuchars ...	31·3	+2	ESE	2	c-bc	52	65	39	9	5	7	6	4-6	7-8	2500	0	*
12	Renfrew (Abbotsl.)	31·3	-2	WNW	4	c	57	55	40	9	7	3	8	2-3	9+	3000	0	*
	Eskdalemuir ...	30·8	0	NE	3	bc	53	45	32	8	1	7	1	1	4-6	3500	0	*
	Point of Ayre ...	31·2	0	N	1	b-bc	55	65	41	8	1	4	3	Tr	2-3	2500	0	2
13A	Tiree	33·7	-2	WNW	3	c	50	85	45	8	7	-	8	7-8	9+	5000	0	3
13B	Stornoway ...	31·5	+8	WSW	4	c/r	50	92	48	8	5	7	-	7-8	9	3200	1	3
15	Dalwhinnie ...	32·5	0	WSW	3	c	45	65	37	8	5	3	2	2-3	9+	4000	0	*
	Aberdeen ...	31·2	-4	S'E	2	c-bc	50	55	35	7	4	4	2	4-6	7-8	5700	0	2
	Wick ...	30·2	+2	NW	2	c	51	75	42	9	8	7	6	4-6	9+	2500	0	*
16	Sumburgh ...	28·1	-2	SW'W	4	c-bc	48	92	46	9	2	5	1	2-3	7-8	800	0	2
17	Blackcod Point	35·8	+2	NNW	3	c	51	75	43	8	8	-	-	9+	9+	2500	1	3
18	Malin Head ...	33·5	-2	NW	3	c-bc	50	75	42	8	8	-	-	7-8	7-8	2500	2	2
	Aldergrove ...	33·1	-2	NW	3	c	52	65	39	9	1	-	7	2-3	9+	3500	0	*
19	Birr Castle ...	32·5	-2	N	3	c-bc	58	55	42	8	4	-	8	4-6	7-8	1500	0	*
20	Valentia Obsy.	34·3	-2	NE'N	4	bc	54	65	43	8	1	4	2	2-3	4-6	2500	1	3
	Roches Point	31·0	+2	NNE	6	bc	58	55	42	9	1	-	5	1	4-6	4000	0	4

PAST 24 HOURS.

District	Stations	Weather. 7h.–13h. 3rd. (39)	Weather. 13h.–18h. 3rd (40)	Weather. 18h. 3rd to 1h. 4th (41)	Weather. 1h.–7h. 4th (42)
1	London (Kew)	cz_0 bcc	cbcy	bcyb	bz_0
	Croydon ...	cm_0z_0y	cybcy	$cybz_0bm_0$	bcm_0
	S. Farnborough	cm_0z_0bcy	bcybc	bcb	bbc
	Boscombe Down	bybcy	bcy	b	b
	Thorney Island	ccy	bcycy	b	b
	Lympne ...	c	bcc	cbcb	bw
	Manston ...	c	c	bbm_0	bm_0b
2	Shoeburyness ...	bcm_0c	cy	cybc	bc
	Felixstowe ...	ccy	cybcy	bcyb	b
	Gorleston ...	bc	bcc	bq	bq
	Mildenhall ...	c	cbcybc	b	bm_0bcb
	Cranwell ...	cm_0bc	cbcvbr	bybc9	bc, b, c
3	Birmingham ...	bbc	bc	bc	bccm
	Upper Heyford	bcbcy	bcyb	b	bccbbc
4	Ross-on-Wye	bby	bybcyby	cybcb	bbcc
5	Hartland Point	bcb	bbcmz	$bcbz_0$	bc
	Bristol ...	bm_0bz_0b	bybcyby	bybbz$_0$	bm_0wbcm_0w
	Portland Bill ...	c	c	bc	bc
	Plymouth ...	by	by	byb	b
	The Lizard ...	bcc	bccbc	bcb	bc
	Scilly (St. Mary's)	c	c	cbcb	bbc
	Guernsey ...				
6	Pembroke ...	c9	c9	bcq	bc
7	Holyhead (Valley)	c	bc	b	bwx
	Chester (Sealand)	cid_0z_0	z_0c	c, bz_0	b, bcm_0
8	Manchester ...	bffcbcz_0	cbccz$_0$	cbcz$_0$cm$_0$	bccm$_0$
10	Spurn Head ...	bc	bc	b	c
	Catterick (Sc) ...	cid_0m_0	cid_0m_0c	cm_0bmx	bmxbbx
	Tynemouth ...	ocir$_0$	cbc	bcbbc	bcm
11	St. Abbs Head	cbc	bc	b	bc
	Leuchars ...	bbcycy	cy	cybc	bcc
12	Renfrew (Abbotsl.)	bcey	cy	cycbcbbc	bcwbwbbc
	Eskdalemuir ...	bcy	bcy	bcyb	bbc
	Point of Ayre ...	bbcc	bbcy	bbc	b
13A	Tiree	bbc	cbc	cbcw	bcwcid$_0$
13B	Stornoway ...	cicgcbc	cpgcir$_0$c	c	c
15	Dalwhinnie ...	bccy	cpr$_0$	*	coc
	Aberdeen ...	bc22bbcy	bcy	bcbw	bbccw
	Wick ...	bcc	bcjpc	c	c
16	Sumburgh ...	$b_3$cbc	bcc	bcc	m_0id_0c
17	Blackcod Point	c	c	c	c
18	Malin Head ...	bc	bc	bc	bc
	Aldergrove ...	bcycy	bcycy	cbcbbcw	bcwcwbcw
19	Birr Castle ...	c	bc	*	c
20	Valentia Obsy.	c	bc	bc	bc
	Roches Point	bc	bc	bc	b

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

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

Moderate or fresh northeasterly winds, strong locally in coastal areas, moderating generally; fair with considerable bright periods; rather cold, with local ground frost inland in north around dawn.

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

Light variable or westerly winds; fair at first, local rain later, especially in west; rather cold with local ground frost around dawn.

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

Moderate or fresh westerly winds, strong locally in north, cloudy, with occasional rain at first; scattered showers later in north and west, rather cold.

Districts	
16	Orkneys and Shetlands

As 13A–15.

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

Light to moderate westerly winds, cloudy; occasional rain later, rather cold.

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

Light or moderate northerly winds, backing slowly; fair today; occasional rain tomorrow; rather cold.

GENERAL INFERENCE

A ridge of high pressure covers the British Isles, and weak troughs of low pressure are moving east across northern districts. There will be local rain in the North, followed by showers; weather will be fair elsewhere. Rather cold generally.

FURTHER OUTLOOK

Showery conditions in the North and West; fair in the Southeast; rather cold generally.

Forecasts issued at 10.30

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

7h. Tuesday 4th May 1943.

LOW

HIGH

LOW

10° 5°W. 0° 5°E. 10°

60° 55° 50°

1014 1016 1018 1020 1022 1024 1026 1028 1030 1032 1034 1036 1036 1034 1032 1030 1028 1026 1024

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

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

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Weather in past hour

Past weather

5°E. Scale 1 : 5,000,000

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

4448. Gp. 948/2. 7200. 4/43

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

Morning of

Tuesday 4th May

1943.

LOW 1004

HIGH 1036

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. Thunderstorm. Slight haze.

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

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

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

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

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

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

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

BRITISH SECTION

Tuesday 4th May 1943

No. 29748

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

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	*	*	N'E	2	*	44	*	*	*	*	*	*	*	*	*
	Croydon ...	290	26·8	+6	N'E	2	b	43	86	41	6	–	–	–	0	0	–
	S. Farnborough	226	26·8	+6	NNE	3	b	43	85	39	7	–	–	–	0	0	–
	Boscombe Down	417	26·8	+6	NNE	4	b	42	85	38	7	–	–	–	0	0	–
	Thorney Island	10	24·4	+4	N'E	6	b	44	85	39	7	–	–	–	0	0	–
	Lympne ...	283	24·4	+2	N'E	5	b	46	85	42	7	–	–	–	0	0	–
	Manston ...	154	24·4	+6	NE'N	4	z_0	47	92	45	6	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	N'E	4	b	45	86	41	7	–	–	–	0	0	–
	Felixstowe ...	12	26·1	+8	N'E	4	b	45	86	41	7	–	–	–	0	0	–
	Gorleston ...	5	26·7	+8	NNE	5	bq	48	85	42	7	–	–	–	0	0	–
	Mildenhall ...	15	28·4	+8	NNE	3	b	43	92	40	7	–	–	–	0	0	–
	Cranwell ...	203	30·9	+10	NE	4	bc	43	92	41	7	5	–	–	4-6	4-6	1000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	28·9	+10	NNE	3	b-bc	41	85	37	7	5	–	–	2-3	2-3	1400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	28·0	+16	NE	5	b-bc	48	85	43	7	1	–	–	2-3	2-3	2500
	Bristol ...	209	29·3	+10	NE	4	z_0	43	85	39	6	–	–	–	0	0	–
	Portland Bill ...	32	25·1	+18	NE	5	b-bc	48	85	44	8	5	–	–	2-3	2-3	4000
	Plymouth ...	82	26·9	+14	NNE	4	b	46	65	35	8	–	–	–	0	0	–
	The Lizard ...	240	26·0	+16	NNE	5	b	47	75	40	8	–	–	–	0	0	–
	Scilly (St.Mary's)	163	27·5	+8	NNE	6	b	50	75	43	7	–	–	–	0	0	–
	Guernsey ...	175															
6	Pembroke ...	142	30·5	+8	NE	4	b-bcq	46	85	41	8	1	–	–	2-3	2-3	2500
7	Holyhead (Valley)	32	33·1	+10	–	0	b	42	92	40	8	–	4	–	0	Tr	–
	Chester (Sealand)	16	32·6	+6	NE	1	b	36	85	31	5	–	–	–	0	0	–
8	Manchester ...	235	32·3	+6	N	2	z_0	42	85	38	5	5	–	–	4-6	4-6	2500
10	Spurn Head ...	29	30·9	+6	NNE	5	b	45	92	40	7	–	–	–	0	0	–
	Catterick (Sc.)...	192	33·2	+2	N	1	m	35	92	33	4	–	–	–	0	0	–
	Tynemouth ...	108	33·0	+2	NNW	3	b-bc	42	85	36	7	–	4	–	0	2-3	–
11	St. Abbs Head	280	31·8	0	SW	3	b-bc	45	85	28	7	5	–	–	2-3	2-3	4000
	Leuchars ...	36	32·5	+2	–	0	b-bc	42	85	37	8	–	4	–	0	2-3	–
12	Renfrew (Abbots L.)	19	33·0	+4	SW'W	2	b-bc	43	85	40	8	5	–	–	2-3	2-3	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	38·4	+12	NNE	3	b	47	85	44	8	–	–	–	0	0	–
13A	Tiree	44	33·6	-4	SW	1	bc	44	97	44	7	–	7	6	0	4-6	–
13B	Stornoway ...	15	30·7	-6	SW	4	c	49	92	47	7	5	–	–	10	10	3500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	31·9	-2	–	0	bc	42	85	39	8	5	7	–	4-6	4-6	3000
	Wick ...	114	30·1	-6	WSW	2	c	47	85	43	8	5	7	–	7-8	10	3000
16	Sumburgh ..	19	26·5	-4	WSW	5	c	47	97	46	8	5	1	–	7-8	10	1500
17	Blacksod Point	18	36·2	+2	NW'N	1	c	49	85	45	8	5	–	–	10	10	2500
18	Malin Head ...	84	34·0	-2	W'S	2	b-bc	46	92	44	8	6	–	–	2-3	2-3	2500
	Aldergrove ...	268	34·9	+2	–	0	c-bc	39	92	37	8	5	4	–	2-3	7-8	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	35·7	+2	NE'N	4	o-bc	50	85	46	8	5	–	–	2-3	2-3	2500
	Roches Point	22	33·8	+8	N'E	3	b	49	85	45	8	5	–	–	1	1	2500

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

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)	27·5	+12	NE'N	4	z_0	47	75	40	6	5	–	–	1	1	2500	1	*
	Croydon ...	27·3	+6	N'W	3	z_0	46	85	42	6	5	–	–	4-6	4-6	1000	1	*
	S. Farnborough	27·9	+12	N'E	3	bc	45	85	40	8	7	–	–	4-6	4-6	1800	0	*
	Boscombe Down	27·4	+8	NNE	5	b-bc	45	75	38	8	1	4	–	1	2-3	3000	0	*
	Thorney Island	25·4	+8	N'E	5	b	46	85	40	7	1	4	–	Tr	Tr	4000	0	*
	Lympne ...	25·8	+2₀	NNE	6	b-bc	45	85	44	7	1	–	–	2-3	2-3	2000	0	5
	Manston ...	25·5	+12	NE'N	4	b-bc	48	85	45	8	5	–	5	2-3	2-3	800	1	*
2	Shoeburyness ...	21·4	+10	NNE	4	b	48	75	38	8	–	–	–	0	0	–	0	*
	Felixstowe ...	27·3	+10	N'E	5	b	45	75	42	8	–	–	–	0	0	–	0	3
	Gorleston ...	28·1	+10	NNE	5	bq	48	85	43	7	–	–	–	0	0	–	0	5
	Mildenhall ...	29·0	+8	NNE	4	b-bc	47	85	42	8	5	–	–	2-3	2-3	1000	0	*
	Cranwell ...	30·8	+4	NNE	4	c	46	85	43	7	5	–	–	5	5	1000	0	*
3	Birmingham ...	31·0	+2	NNE	3	m	44	85	40	4	5	–	–	5+	5+	1500	0	*
	Upper Heyford	29·0	0	NE'N	4	c-bc	44	85	39	8	5	–	–	7-8	7-8	1100	0	*
4	Ross-on-Wye	30·2	+4	NE	4	c	46	75	39	7	5	–	–	5	5	3000	0	*
5	Hartland Point	28·6	+6	NE	4	b-bc	47	75	40	7	1	–	–	2-3	2-3	2500	0	4
	Bristol ...	29·8	+2	NNE	3	c	43	87	42	7	5	–	–	5	5	1300	0	*
	Portland Bill ...	26·0	+6	NE	5	bc	45	85	44	8	2	–	–	4-6	4-6	4000		5
	Plymouth ...	27·5	+6	NNE	4	b	46	75	39	8	–	–	–	0	0	–	0	2
	The Lizard ...	28·2	+22	NNE	5	b-bc	45	75	38	8	4	–	–	2-3	2-3	2000	0	4
	Scilly (St.Mary's)	27·7	+2	NNE	6	b-bc	48	75	40	7	5	–	2	Tr	2-3	1500	0	5
	Guernsey ...																	
6	Pembroke ...	31·2	+14	E'S	3	b-bc	48	85	43	8	8	–	–	2-3	2-3	2500	0	3
7	Holyhead (Valley)	32·7	0	ENE	1	fg	47	75	40	8	–	–	5	0	2-3	–	0	1
	Chester (Sealand)	32·9	+10	N	1	b-bc	48	75	38	6	–	–	1	0	2-3	–	0	*
8	Manchester ...	32·5	+6	NNW	1	m	42	85	38	4	5	–	–	4-6	4-6	2000	0	*
10	Spurn Head ...	30·9	+2	NE	5	c	47	92	43	7	5	6	–	4-6	5+	2500	0	3
	Catterick (Sc.)...	33·2	+2	S	1	bc	41	75	34	9	–	–	2	0	4-6	–	1	*
	Tynemouth ...	32·5	-2	W	2	m	44	65	43	4	–	4	1	0	2-3	–	0	2
11	St. Abbs Head	31·5	-4	W	2	c-bc	48	92	46	7	4	5	–	4-6	7-8	3500	0	3
	Leuchars ...	30·8	-8	WSW	2	c	46	85	41	7	5	3	8	4-6	5+	7000	0	*
12	Renfrew (Abbots L.)	32·1	-6	WSW	3	z_0	47	85	43	6	1	7	6	Tr	5	2500	0	*
	Eskdalemuir ...	32·7	0	–	0	c-bc	37	45	22	8	–	3	6	0	7-8	–	0	*
	Point of Ayre...	33·1	0	N	2	b-bc	47	55	35	8	–	–	5	0	2-3	–	0	1
13A	Tiree	32·5	-2	WSW	3	c	48	85	44	8	5	–	–	10	10	2000	0	3
13B	Stornoway ...	28·9	-8	SW	5	c	50	92	48	8	5	–	–	5+	5+	2100	1	3
15	Dalwhinnie ...	31·0	-2	SW	3	c	45	85	39	8	5	4	2	4-6	5+	4000	0	*
	Aberdeen † ...	30·6	-2	–	0	c	49	75	41	7	–	–	7	0	5+	–	0	1
	Wick ...	28·2	-6	WSW	4	c	49	75	42	8	5	7	–	4-6	5+	2500	0	*
16	Sumburgh ..	24·4	-2	SW'W	7	c	48	92	46	7	5	–	–	10	10	1500	1	4
17	Blacksod Point	34·6	-6	W'N	1	c	49	75	41	8	5	–	–	10	10	2500	1	1
18	Malin Head ...	32·9	-2	WNW	3	c	49	75	41	8	5	–	–	10	10	2500	1	3
	Aldergrove ...	33·0	-4	W	1	c-bc	45	92	43	7	5	–	6	2-3	7-8	3000	1	*
19	Birr Castle ...	34·4	-2	E	1	c-bc	42	97	41	8	–	–	5	0	7-8	–	0	*
20	Valentia Obsy.	34·2	-6	ENE	4	c-bc	49	75	41	8	5	–	1	7-8	7-8	2500	1	2
	Roches Point	33·2	-6	N'E	3	b	47	85	43	8	–	–	1	0	Tr	–	0	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 3rd Hrs. (38)
1	London (Kew)	55	43	38	-	–	11·2
	Croydon ...	55	42	37	-	–	10·2
	S. Farnborough	60	44	35	-	–	10·0
	Boscombe Down	60	40	36	-	–	12·7
	Thorney Island	61	42	38	-	–	*
	Lympne ...	57	45	41	-	–	7·8
	Manston ...	54	47	44	-	–	7·0
2	Shoeburyness ...	55	42	38	-	–	9·7
	Felixstowe ...	58	42	39	-	–	11·4
	Gorleston ...	52	47	42	-	–	6·5
	Mildenhall ...	58	42	36	-	Tr	8·8
	Cranwell ...	56	41	38	-	–	12·4
3	Birmingham ...	57	41	35	-	–	10·4
	Upper Heyford	55	41	32	-	–	*
4	Ross-on-Wye	58	42	38	-	–	10·9
5	Hartland Point	52	46	43	–	–	6·6
	Bristol ...	60	39	30	-	–	12·9
	Portland Bill ...	59		*	-		*
	Plymouth ...	61	43	34	-	–	12·7
	The Lizard ...	57	41	*	-	–	12·1
	Scilly (St.Mary's)	52	47	*	-	–	2·5
	Guernsey ...						
6	Pembroke ...	54	46	*	-	–	3·2
7	Holyhead (Valley)	54	38	31	-	–	*
	Chester (Sealand)	53	35	27	Tr	–	0·6
8	Manchester ...	55	39	35	-	–	*
10	Spurn Head ...	58	44	*	-	–	11·8
	Catterick (Sc.)...	48	32	22	Tr	–	0·7
	Tynemouth ...	47	39	35	0·2	–	*
11	St. Abbs Head	51	42	*	-	–	*
	Leuchars ...	56	39	32	-	–	8·8
12	Renfrew (Abbots L.)	59	40	31	-	–	11·4
	Eskdalemuir ...	54	29	24	-	–	9·9
	Point of Ayre...	55	38	*	-	–	11·6
13A	Tiree	58	42	39	-	Tr	7·8
13B	Stornoway ...	55	42	45	Tr	–	3·2
15	Dalwhinnie ...	54	39	31	0·1	–	6·3
	Aberdeen † ...	56	42	34	-	–	8·6
	Wick ...	55	44	40	0·3	–	*
16	Sumburgh ..	50	46	41	-	Tr	9·9
17	Blacksod Point	53	46	*	-	–	*
18	Malin Head ...	52	45		-	–	8·9
	Aldergrove ...	56	35	28	-	0·2	10·8
19	Birr Castle ...	59	35	32	-	–	1·7
20	Valentia Obsy.	55	47	43	-	Tr	9·4
	Roches Point	58	47	*	-	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III	C_L C_M	wwVhN$_h$	DDFFWN	C_L C_M	wwVhN$_h$	DDFFWN	C_L C_M	wwVhN$_h$	DDFFWN
109	86	02855	29587	27	01753	22514	5-	02756	20526
115	57	81844	20487	53	02844	24387			
203							5-	02848	16428
206	57	02964	22327	57	02964	22526	57	02864	24326
210	17	02963	28327	43	02968	23226	57	01962	19224
219	27	25853	23487	83	02863	22426	5-	02765	20425
230	23	02965	24116	10	02952	26327	54	01863	00015
245	1-	02954	12315	53	02864	15216	54	01961	00011
260	5-	02865	28115	10	02961	00016	00	05690	00000
278	17	02841	29427	13	02851	28525	00	00890	27300
279	7-	02963	04425				04	01890	04214
285	5-	03858	02428						
288	52	61534	65553	57	02952	07425	00	43390	28140
575	8-	02855	30226	13	02864	32325	00	00780	00010
301	2-	02857	06467	40	02863	03423	00	00890	04210
321	10	01854	35514	20	01864	35524	5-	05658	02358
2.)	24	01743	32413	50	01753	32513	50	01754	32514
292	52	51746	02486	5-	02848	03458	50	05543	04213
310									
614	2-	05666	37524	1-	01864	37414	00	05690	04300

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

III	C_L C_M	wwVhN$_h$	DDFFWN	C_L C_M	wwVhN$_h$	DDFFWN	C_L C_M	wwVhN$_h$	DDFFWN
333	8-	02857	02527	94	01863	02424	50	01763	00003
334	--	02646	06317						
340							5-	05658	02128
136	10	01734	02325	10	01733	04423	50	01744	04414
336	13	01654	04415						
350	1-	01854	94624	40	01853	35513			
368	10	00762	02402	74	05654	02414	00	00690	02400
379	1-	02866	35614	40	01864	35514	50	01744	02515
390	10	02755	35517	10	01862	35614	00	05690	02300
382	4-	02864	37415				50	02745	35425
438	57	01764	02615	57	02764	02716	00	00690	02700
430	5-	05755	35627	00	01890	37618	00	00790	37500
409	10	02747	35527	00	01790	35813	00	05690	36600

III	C_L C_M	wwVhN$_h$	DDFFWN
111	04	01890	00002
334	--	01651	06212
340	5-	05557	02227
136	5-	02747	04317
336	50	01754	04314
350	57	02746	02417
368	54	00661	02401
379	5-	05625	02525
390	00	00790	02400
382	5-	02845	02325
438	54	02744	02714
430	10	05642	35502
409	14	00751	05402

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

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

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each: by post 1½d
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LONDON OBSERVATIONS

For the 24 hours ending morning of 4th May
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_0bcc	cbcy	bcybz$_0$	Kew 24 hours ended 7h.
Croydon ...	cm$_0$zby	cybcy	cybz$_0$m$_0$	Max. Time
Greenwich ...	cy	cbcbqy	by	0·2 6-7 4th
Camden Square	bc	c	*	Min. Time
Kensington ...	b	bc	bc	<0·1 16-24 3rd
Hampstead ...	bc	bc	bc	

Stations	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	59	43	38	–	–	11·2	*	*
Croydon ...	59	42	37	–	–	10·2	*	*
Greenwich ...	60	42	35	–	–	9·9	38	25
Westminster ...	61	44	39		–		70	57
Regents Park ...	61	42	37	–	–		51	65
Camden Square	62	42	38	–	–	*	*	59
Kensington ...	61	43	38	–	–		59	56
Hampstead ...	57	40	36	–	–		*	34

SECRET

Page 1

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

Wednesday 5th May 1943

No. 2979

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

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	-8	NE'E	5	b-bc	59	33	34	8	7	-	-	2-3	2-3	2500
	Croydon ...	25·7	-8	NE'N	5	b-bc	59	36	34	8	7	-	-	2-3	2-3	2500
	S. Farnborough	25·2	-14	NE	4	b-bc	60	45	37	8	6	-	-	2-3	2-3	2500
	Boscombe Down	25·4	-18	NE	5	b-bc	59	45	36	8	6	-	-	2-3	2-3	3000
	Thorney Island	23·6	-14	NE	6	b	60	35	34	8	6	-	-	1	1	4000
	Lympne ...	24·2	-8	NNE	6	b	55	65	42	8	6	-	-	Tr	Tr	2000
	Manston ...	25·2	-2	NE	5	b	53	85	48	8	5	-	-	Tr	Tr	800
2	Shoeburyness ...	26·0	-8	NE	5	b-bc	57	55	42	8	1	4	-	1	2-3	2500
	Felixstowe ...	26·8	-4	NNE	6	b	57	65	43	8	1	-	-	Tr	Tr	4000
	Gorleston ...	27·5	-10	NNE	5	b-bc	50	85	46	7	1	-	-	2-3	2-3	3500
	Mildenhall ...	27·5	-16	NE	4	b-bc	58	45	38	8	1	-	-	2-3	2-3	3500
	Cranwell ...	29·8	-22	E'N	5	c-bc	54	65	41	8	5	-	-	7-8	7-8	2000
3	Birmingham ...	29·2	-10	ENE	4	2_0	52	65	40	6	7	-	-	4-6	4-6	2500
	Upper Heyford	27·0	-18	NE'E	4	b-bc	58	46	35	8	1	-	-	2-3	2-3	2500
4	Ross-on-Wye	27·3	-20	NE	4	b	55	55	38	7	1	-	-	1	1	4000
5	Hartland Point	26·8	-10	NE	2	b	54	75	45	7	1	-	-	1	1	3000
	Bristol ...	26·9	-18	NE	4	b	59	55	43	8	1	-	-	Tr	Tr	4000
	Portland Bill ...	24·7	-14	NE	5	bc	58	85	54	8	2	-	-	4-6	4-6	4000
	Plymouth ...	26·0	-14	NE	4	b	58	55	41	8	1	-	-	1	1	3500
	The Lizard ...	26·1	-4	ENE	4	b-bc	57	58	44	8	7	-	-	2-3	2-3	3500
	Scilly (St. Mary's)	27·2	-6	NNE	5	b	53	65	43	7	-	-	2	0	Tr	-
	Guernsey ...															
6	Pembroke ...	28·8	-12	NNE	5	b	57	65	45	8	1	4	1	1	1	4000
7	Holyhead (Valley)	30·8	-14	NNE	2	bc	57	55	41	8	-	-	2	Tr	4-6	2500
	Chester (Sealand)	29·2	-18	NW'N	2	b	54	65	41	6	-	-	-	0	0	-
8	Manchester ...	29·3	-18	NE'E	3	2_0	60	45	37	6	-	-	-	0	0	-
10	Spurn Head ...	30·5	-12	NE	4	bc	52	65	40	7	1	-	-	4-6	4-6	2500
	Catterick (Sc) ...	30·3	-22	E	1	2_0	60	45	39	5	-	-	-	0	0	-
	Tynemouth ...	31·6	-10	SSE	3	bc	50	65	39	7	-	4	2	0	4-6	-
11	St. Abbs Head	29·2	-16	ESE	2	bc	56	75	48	7	5	4	-	2-3	4-6	3500
	Leuchars ...	29·2	-10	S	4	c	61	65	48	8	1	-	8	4-6	10	3500
12	Renfrew (Abbotsl.)	30·8	-12	W	3	c	53	75	44	9	5	2	-	9+	10	2000
	Eskdalemuir ...	28·8	+14	SSW	2	c-bc	57	85	41	8	1	-	7	1	7-8	2700
	Point of Ayre ...	31·3	-12	NW'N	3	c-bc	57	75	40	8	1	-	2	Tr	7-8	3000
13A	Tiree	30·3	-14	SW'W	3	c	51	85	45	8	5	1	-	7-8	10	5000
13B	Stornoway ...	26·8	-12	SW	5	c	51	97	49	8	5	7	-	9	10	1800
15	Dalwhinnie ...	29·0	-6	SW	3	c	55	55	41	8	1	4	2	1	9+	4000
	Aberdeen ...	27·5	-14	SSE	2	c	58	55	40	7	-	-	7	0	9+	-
	Wick	26·7	-4	SW	3	bc	53	75	42	9	5	7	-	4-6	4-6	2500
16	Sumburgh ...	23·6	0	SW'W	6	$2_0 2_0$	47	97	47	5	5	-	-	10	10	400
17	Blacksod Point	32·8	-12	W'S	2	c	53	75	45	8	5	-	-	10	10	2500
18	Malin Head ...	31·2	-10	W'S	2	c	51	65	40	8	5	-	-	9+	9+	2500
	Aldergrove ...	31·9	-10	NW'N	1	c	53	75	44	7	5	-	-	9+	9+	2000
19	Birr Castle ...	31·6	-16	NNW	2	c-bc	59	55	43	8	4	-	-	7-8	7-8	1500
20	Valentia Obsy.	32·0	-16	N'E	1	b-bc	56	65	44	8	5	-	-	2-3	2-3	4000
	Roches Point	30·7	-14	S'E	3	b-bc	56	75	48	8	1	-	1	1	2-3	4000

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

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)
1	London (Kew)	23·9	-4	NE'E	4	b-bc	58	75	27	8	-	-	1	0	2-3	-
	Croydon ...	24·2	-6	NE'N	4	b	56	45	44	7	-	-	-	0	0	-
	S. Farnborough	23·4	-4	ENE	3	b	58	35	32	7	-	-	-	0	0	-
	Boscombe Down	22·9	-12	NE'E	4	b	59	35	34	8	4	-	-	Tr	Tr	5000
	Thorney Island	22·3	-2	NE'E	5	b	58	35	31	8	-	4	-	0	Tr	-
	Lympne ...	22·7	-6	NNE	6	b	52	65	43	8	-	-	-	0	0	-
	Manston ...	23·2	-6	NE	4	b	51	85	45	8	-	4	-	0	1	-
2	Shoeburyness ...	23·8	-10	NE	3	b	52	65	39	8	-	4	-	0	1	-
	Felixstowe ...	24·6	-12	NNE	4	b	52	65	39	8	-	-	-	0	0	-
	Gorleston ...	25·4	-6	N'E	4	b-bc	51	75	45	7	-	4	-	0	2-3	-
	Mildenhall ...	25·5	-14	NE'E	4	b	55	55	39	8	1	-	1	Tr	1	4000
	Cranwell ...	26·8	-14	ENE	3	b	50	65	39	8	-	-	1	0	Tr	-
3	Birmingham ...	26·0	-8	ENE	4	2_0	55	55	40	5	1	-	1	Tr	1	2500
	Upper Heyford	24·6	-12	NE'E	4	b	55	55	40	8	1	-	4	Tr	Tr	2500
4	Ross-on-Wye	24·8	-14	NE'E	4	b	57	45	38	8	1	-	1	Tr	Tr	4000
5	Hartland Point	23·6	-18	NE	3	b	53	75	46	7	-	-	-	0	0	-
	Bristol ...	24·6	-10	NE	4	b	58	55	41	8	-	-	1	0	Tr	-
	Portland Bill ...	22·3	-6	NE	4	bc	58	85	54	8	2	-	-	4-6	4-6	4000
	Plymouth ...	23·3	-6	NE	3	b	60	55	41	8	1	-	-	Tr	Tr	3500
	The Lizard ...	22·8	-20	NNE	4	bc	57	55	41	8	7	-	-	4-6	4-6	3500
	Scilly (St. Mary's)	24·6	-14	N'E	5	b	52	75	48	7	-	-	-	0	0	-
	Guernsey ...															
6	Pembroke ...	25·3	-8	NNE	5	b-bc	53	75	45	8	5	4	1	1	2-3	3000
7	Holyhead (Valley)	27·5	-20	N'W	2	b-bc	54	65	44	8	-	-	2	0	2-3	-
	Chester (Sealand)	26·4	-12	NNW	3	b	53	63	41	8	-	-	1	0	1	-
8	Manchester ...	26·1	-18	NE'E	3	b-bc	59	45	36	7	-	-	1	0	2-3	-
10	Spurn Head ...	28·0	-10	NE'E	3	c	48	75	42	7	7	-	-	9+	9+	2500
	Catterick (Sc) ...	27·6	-14	SSE	2	bc	58	45	35	8	-	8	5	0	4-6	-
	Tynemouth ...	27·5	-20	SSE	4	bc	47	75	40	8	-	4	2	0	4-6	-
11	St. Abbs Head	25·9	-16	-	0	c-bc	55	75	48	7	7	-	-	7-8	7-8	5000
	Leuchars ...	23·8	-38	SSW	3	c	58	65	47	8	5	7	-	4-6	10	3500
12	Renfrew (Abbotsl.)	26·4	-22	W'S	2	c	53	65	42	8	5	7	-	9	9+	2000
	Eskdalemuir ...	25·9	-18	WNW	3	c	53	75	45	8	5	-	-	9+	9+	2300
	Point of Ayre ...	27·7	-24	N'W	3	c-bc	53	75	47	8	4	-	4	Tr	7-8	3000
13A	Tiree	26·7	-26	WSW	2	c	49	85	45	8	5	-	-	10	10	2500
13B	Stornoway ...	23·8	-18	SW	4	c/d	51	97	50	9	5	3	-	9	9+	1800
15	Dalwhinnie ...	26·0	-14	WSW	3	c	49	65	39	8	4	4	7	1	9+	4000
	Aberdeen ...	20·8	-30	SSW	3	2_0	59	65	47	6	-	3	7	0	9+	-
	Wick	23·2	-22	-	0	c	51	85	46	9	-	7	-	0	10	-
16	Sumburgh ...	21·1	-14	SW'W	6	$2_0 2_0$	47	97	47	6	5	-	-	10	10	700
17	Blacksod Point	29·2	-24	W'S	2	c	51	75	43	8	5	-	-	10	10	2500
18	Malin Head ...	28·9	-10	W'S	3	c	50	65	39	8	5	-	-	10	10	2500
	Aldergrove ...	27·9	-36	SW	1	c	53	65	42	8	5	-	-	9+	9+	4000
19	Birr Castle ...	28·3	-22	NNE	2	c-bc	59	65	47	8	5	-	8	4-6	7-8	2500
20	Valentia Obsy.	29·1	-20	N'W	4	b	52	75	44	8	5	-	-	1	1	4000
	Roches Point	27·4	-18	-	0	c-bc	55	75	47	8	5	-	-	7-8	7-8	2500

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	State of Ground. 0–9 (31)	Sea. 0–9 (32)	Weather. 7h.–13h. 4th (39)	Weather. 13h.–18h. 4th (40)	Weather. 18h. 4th to 1h. 5th (44)	Weather. 1h.–7h. 5th (42)
1	London (Kew)	1	*	bbcby	bbcy	bcbz$_0$y	bccm$_0$w
	Croydon ...	0	*	bbcbcy	by	byz$_0$m$_0$	cm$_0$m$_0$
	S. Farnborough	0	*	bbcy	bcby	bmzycmz	b, com$_0$w
	Boscombe Down	0	*	bbcy	bcyby	byb	bm$_0$cm$_0$
	Thorney Island	0	*	bbcb	by	by	cm$_0$
	Lympne ...	0	5	bcb	b	b	bbcm$_0$w
	Manston ...	0	*	bbc	b	b	bbm$_0$w
2	Shoeburyness ...	0	*	bba	bcybc	bc	bc
	Felixstowe ...	0	*	bc	bbyb	b	b
	Gorleston ...	0	4	bq	bcb	bwl	b
	Mildenhall ...	0	*	bcby	by	bbm$_0$w	bbfxbm$_0$
	Cranwell ...	0	*	c,bc	bcbcybyb	b	afbfw
3	Birmingham ...	0	*	cbcz	bcb	bz	bmf
	Upper Heyford	0	*	cbcy	bybcyby	bybcc	om$_0$fo
4	Ross-on-Wye	0	*	cbcby	by	byb	bwcfof
5	Hartland Point	0	3	bcb	b	b	b
	Bristol ...	0	*	bcwbcb	by	bybbw	bm$_0$cm$_0$xfw
	Portland Bill ...	1	5	bcbc	bcbc	bbc	bcc
	Plymouth ...	0	2	by	by	b	b
	The Lizard ...	0	3	bcy	bcy	bcb	bbc
	Scilly (St. Mary's)	0	4	bcb	b	b	cw
	Guernsey ...						
6	Pembroke ...	0	3	bc	bbc	bx	bcm$_0$w
7	Holyhead (Valley)	0	*	fgbbc	bcby	bw	bcwxf
	Chester (Sealand)	0	*	bz$_0$y	bz$_0$y	bbm$_0$m	bmf F
8	Manchester ...	0	*	bcbz$_0$y	bbcz$_0$y	bcybm$_0$	bm$_0$xbm
10	Spurn Head ...	0	3	bc	c	bc	bfom
	Catterick (Sc) ...	0	*	bcz$_0$y	bcy	bc	bccfoF
	Tynemouth ...	0	3	bcm$_0$	bc	bcb	bcm$_0$
11	St. Abbs Head	0	2	bccbc	bc	cbcbbc	bcc
	Leuchars ...	0	*	bccyc	bcc	cbc	bccc
12	Renfrew (Abbotsl.)	0	*	cm$_0$cci$_0$c	c	cid$_0$c	c
	Eskdalemuir ...	0	*	bcy	bccyc	cbc	bcc
	Point of Ayre ...	0	2	bcc	cbbcc	cbw	bbc
13A	Tiree	0	3	c	c	cid$_0$c	cd$_0$r$_0$
13B	Stornoway ...	1	3	c	c	c	cr$_0$r$_0$d$_0$d$_0$
15	Dalwhinnie ...	0	*	c	c		coc
	Aberdeen ...	0	2	cey	cbccz$_0$	cz$_0$c	ccw
	Wick	0	*	c	cir$_0$c	c	cir$_0$
16	Sumburgh ...	1	4	ccd$_0$d$_0$m$_0$c	d$_0$r$_0$m$_0$c	m$_0$c	cir$_0$m$_0$r$_0$r$_0$
17	Blacksod Point	0	2	c	c	c	r
18	Malin Head ...	1	3	c	c	r	r
	Aldergrove ...	1	*	bcwbcc	c	c	cm$_0$c
19	Birr Castle ...	0	*	c	c		c
20	Valentia Obsy.	0	4	bc	bc	b	bc
	Roches Point	0	3	bc	bc	bc	c

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ...	Fair at first; local fog patches developing later tonight; becoming cloudy with local rain tomorrow, winds light and variable; rather cold tonight and tomorrow.
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	Fair at first, becoming cloudy with local light rain; local thundery showers with bright intervals tomorrow; winds west becoming northwest light to moderate; rather cold.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Local thundery showers; frequent in the northwest, with bright interals, winds northwesterly; rather cold.
16 Orkneys and Shetlands 17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 12-15.

GENERAL INFERENCE

Pressure is low to the North and South of the British Isles and a trough moving southeastwards over Scotland is expected to become stationary over Southern England.

FURTHER OUTLOOK

Northwesterly winds and showery conditions persisting. Rather cold generally.

Forecasts issued at 10.30.

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

7h. Wednesday 5th May 1943 1943.

LOW

HIGH

HIGH

LOW

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

10° 5°W. 0° 5°E. 10°

60° 55° 50°

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

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

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Weather in past hour

Past weather

5°E. Scale 1 : 5,000,000

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

4448 Gp 968/2. 7200. 4/43

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Wednesday 5th May

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Wednesday 5th May 1943 No. 23749

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

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	*	*	N'E	2	b	44	*	*	6	*	*	*	*	*	*
	Croydon ...	290	22·7	-16	N'E	2	b	43	92	41	6	–	–	–	0	0	–
	S. Farnborough	226	21·2	-22	NNE	2	z_0	43	85	38	6	–	–	–	0	0	–
	Boscombe Down	417	22·0	-16	N	2	b	40	92	39	7	–	–	–	0	0	–
	Thorney Island	10	20·5	-4	N'E	4	b	46	65	43	7	–	–	–	0	0	–
	Lympne ...	283	20·4	-22	NNE	5	b	46	92	44	7	–	–	–	0	0	–
	Manston ...	154	20·2	-22	E'N	3	b	48	92	46	7	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	21·3	-22	NNE	3	b	45	92	44	7	–	–	–	0	0	–
	Gorleston ...	5	22·3	-16	NE	4	b	48	92	46	7	–	–	–	0	0	–
	Mildenhall ...	15	22·9	-22	NNE	2	z_0	37	97	36	5	–	–	–	0	0	–
	Cranwell ...	203	24·2	-18	ENE	3	b	40	97	40	7	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	23·4	-14	NE'E	2	z_0	42	97	41	6	6	–	–	10	10	300
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·2	-18	NE	3	b	49	75	45	7	–	–	–	0	0	–
	Bristol ...	209	23·4	-12	–	0	b	42	86	37	7	–	–	–	0	0	–
	Portland Bill ...	32	19·6	-20	N	3	bc	41	92	39	8	5	–	–	4-6	4-6	4000
	Plymouth ...	82	21·6	-16	NE	3	b	49	75	40	7	–	–	–	0	0	–
	The Lizard ...	240	21·4	-14	N'E	3	b	48	75	40	8	–	–	–	0	0	–
	Scilly (St.Mary's)	163	21·4	-20	NE'N	4	b	50	85	46	7	–	–	–	0	0	–
	Guernsey ...	175															
6	Pembroke ...	142	23·2	-10	ENE	3	b-bc	48	92	46	7	5	–	–	1	2-3	4000
7	Holyhead (Valley)	32	23·8	-26	–	0	b	43	97	42	8	–	–	–	0	0	–
	Chester (Sealand)	16	23·9	-16	–	0	m	40	92	48	4	–	–	–	0	0	–
8	Manchester ...	235	24·5	-14	–	0	z_0	39	92	36	6	–	–	–	0	0	–
10	Spurn Head ...	29	24·7	-18	ESE	3	b-bc	45	92	43	7	7	–	–	2-3	2-3	2500
	Catterick (Sc.)...	192	24·3	-26	SSW	2	b-bc	40	85	37	8	–	–	5	0	2-3	–
	Tynemouth ...	108	23·4	-20	SSE	3	b	44	75	36	7	–	–	–	0	0	–
11	St. Abbs Head	280	21·7	-26	WSW	1	b-bc	46	92	44	7	5	–	–	2-3	2-3	4000
	Leuchars ...	36	20·4	-30	SW	3	b-bc	45	85	41	8	–	4	–	0	2-3	–
12	Renfrew (Abbotsl.)	19	22·0	-30	WSW	3	c	47	75	41	7	5	–	–	10	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	23·4	-18	W	2	b	49	97	39	8	–	–	–	0	0	–
13A	Tiree	44	20·2	-26	SSW	4	id_0	49	85	44	7	5	–	–	10	10	2000
13B	Stornoway ...	15	17·2	-34	SW	5	c	48	97	47	8	5	–	–	10	10	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	18·7	-30	–	0	z_0	45	92	43	6	–	7	2	0	7-8	–
	Wick ...	114	17·7	-34	SW'S	2	c-bc	48	75	40	8	5	–	–	7-8	7-8	2500
16	Sumburgh ..	19	15·8	-30	WSW	5	c	47	97	46	7	5	2	–	9+	10	2000
17	Blacksod Point	18	24·6	-24	W	3	c	50	75	42	8	5	–	–	10	10	2500
18	Malin Head ...	84	22·7	-26	SW'W	3	c	48	75	41	8	5	–	–	10	10	2500
	Aldergrove ...	268	23·9	-26	W	1	c	47	75	40	6	5	–	–	10	10	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	26·1	-18	NNE	3	b-bc	47	75	39	8	5	–	–	2-3	2-3	2500
	Roches Point	22	24·5	-18	N'E	4	bc	48	85	44	8	5	–	–	4-6	4-6	2500

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

Barom. 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)
17·8	-16	NNE	3	z_0	45	92	43	5	5	–	–	10	10	1500	1	*
18·7	-18	NNW	1	m	45	92	43	4	5	–	–	10	10	800	0	*
17·8	-16	ENE	3	df	43	97	43	3	5	–	–	10	10	600	0	*
18·2	-14	N	2	z_0	43	97	42	6	5	–	–	10	10	400	0	*
16·7	-14	N'E	2	c	46	85	42	7	5	–	–	10	10	7000	0	*
16·3	-16	N'E	3	z_0	49	92	47	6	5	7	2	1	4-6	200	0	3
16·6	-18	SSE	1	bc	50	92	49	7	5	–	6	1	4-6	4500	0	*
18·0	-20	N'E	2	z_0	49	85	45	6	1	4	1	1	4-6	2500	0	*
17·8	-12	NNE	2	b-bc	48	75	42	7	–	–	1	0	2-3	–	0	1
18·8	-14	NE'E	2	b	50	85	46	7	–	–	–	0	0	–	0	3
18·5	-16	NNW	2	b/f	41	92	40	6	–	–	–	0	0	–	0	*
19·4	-14	NNW	3	b/f	40	97	38	6	5	–	–	Tr	Tr	600	0	*
19·6	-16	NNE	1	f	38	97	37	2	–	–	–	10	10	4150	0	*
18·7	-22	NE	2	o/f	42	97	42	5	5	–	–	10	10	200	0	*
19·5	-14	NE'E	2	f–	37	97	36	3	5	–	–	10	10	200	0	*
17·6	-14	NE	3	b-bc	49	85	45	7	–	4	5	0	2-3	–	0	3
19·0	-20	NE	2	f+	39	97	39	2	–	–	–	10	10	4150	0	*
16·5	-18	ENE	4	c	46	92	44	8	5	–	–	10	10	4000	1	4
17·3	-18	E	1	b-bc	49	75	40	8	–	3	1	0	2-3	–	0	1
17·2	-14	ENE	2	bc	48	75	39	8	4	–	–	4-6	4-6	3000	0	3
17·8	-12	NE'N	2	b	50	85	46	7	–	–	2	0	Tr	–	1	3
19·1	-22	ENE	2	bc	46	85	41	7	5	4	–	2-3	4-6	2000	0	2
20·1	-14	NW	1	c-bc/f	46	97	45	7	5	–	–	7-8	7-8	3500	1	1
19·6	-18	SSE	1	m/F	37	92	35	4	–	–	–	0	0	–	0	*
19·6	-24	–	0	m	41	85	37	4	5	–	–	Tr	Tr	4000	0	*
20·3	-10	N	3	z_0	42	97	42	5	5	–	–	10	10	450	0	2
19·6	-20	SW	1	F–	36	97	36	1	–	–	–	10	10	4150	0	*
20·2	-18	WSW	1	m	43	85	38	4	–	4	2	0	4-6	–	0	2
17·1	-10	W	3	c	47	85	43	7	5	7	–	9	9	3000	0	2
16·1	-18	SW	3	c-bc	49	75	43	8	5	7	–	2-3	7-8	5000	0	*
17·4	-18	WSW	3	c	48	85	43	8	5	7	–	7-8	10	2000	0	*
18·2	-12	SSW	1	c	43	85	39	8	5	–	–	10	10	1800	0	*
20·4	-22	NW	2	ir_0	47	97	46	7	6	7	–	-4-6	10	800	0	*
17·7	-14	NW	3	ir_0	47	85	43	8	5	–	–	9+	9+	2500	1	3
15·0	-6	W	4	bc/P	45	92	43	2	4	6	6	2-3	4-6	2200	1	2
16·0	-20	SSW	2	c	44	85	39	7	5	–	–	9+	9+	1500	0	*
15·2	-14	SW	1	c	50	75	41	7	–	3	7	0	9+	–	1	1
13·7	-18	WSW	4	ir_0	49	75	42	7	5	7	–	7-8	9+	1500	0	*
10·4	-18	SW'W	6	r_0r_0	47	97	47	6	5	2	–	9+	10	800	1	4
20·3	-14	N	4	o/r	47	97	46	7	6	–	–	10	10	1500	1	4
18·2	-14	NW	4	dr	46	92	44	6	–	2	–	10	10	1500	1	3
19·3	-24	SW	2	c	47	85	42	8	5	–	–	9+	9+	2500	1	*
20·4	-18	S	1	c	47	85	43	8	5	2	–	7-8	10	2500	0	*
21·1	-26	NE'E	2	bc	49	75	41	5	5	7	4	2-3	4-6	4000	0	2
20·3	-14	N'E	4	c-bc	49	85	45	8	5	–	5	4-6	7-8	2500	0	3

PAST 24 HOURS.

Temperatures. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F. (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 4th Hrs. (38)
60	42	30	–	–	13·7
60	41	31	–	–	12·7
62	41	31	–	Tr	13·4
62	32	31	–	–	14·0
62	42	37	–	–	*
56	42	36	–	–	13·4
58	44	44	–	–	12·7
57	41	34	–	–	13·4
57	42	39	–	–	13·8
51	47	43	–	–	11·8
59	34	28	–	Tr	13·6
56	35	31	–	–	9·8
58	37	27	–	–	9·4
59	40	31	–	–	*
59	33	25	–	–	11·4
55	45	41	–	–	11·2
61	35	24	–	–	12·2
59	44	*	–	–	*
62	42	28	–	–	13·7
60	44	*	–	–	13·1
54	41	*	–	–	12·7
58	42	*	–	–	12·0
58	38	30	–	–	*
57	32	27	–	–	12·7
62	30	25	–	–	*
54	39	*	–	–	9·4
61	34	32	–	–	12·2
58	40	38	–	–	*
57	43	*	–	–	*
61	43	35	–	–	9·6
57	47	42	Tr	Tr	1·1
60	34	28	–	–	7·7
57	39	*	–	–	12·9
53	44	42	–	1	0·0
52	43	42	Tr	3	0·0
57	42	40	–	–	7·6
62	43	36	–	–	7·2
59	46	43	Tr	–	*
49	47	43	1	0·1	0·0
53	46	*	–	1	*
51	45		–	0·2	0·8
54	45	39	–	–	3·8
60	45	43	–	–	9·3
57	44	39	–	Tr	12·6
59	47	*	–	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
109 52	02745	55728	57	02744	53527	57	03664	15128	52	62646	58568
115 52	52735	53558	52	02735	53558	52	51745	53558	52	62735	24468
203			5-	03848	16528	8-	22845	24465			
206 51	02964	22428	53	02964	22325	57	02754	22325	52	61856	24327
210 5-	02962	21427	53	02872	24328	57	02854	21428	57	61863	20327
219 51	01756	19528	5-	02858	19428	5-	02898	19528	36	25854	20585
5-	02956	20327	5-	02845	20328				5-	54636	20358
230 00	0-850	17315	14	02862	18415	04	01990	22301	05	02890	26217
240 5-	05568	22328	50	02862	20426	5-	05656	20318	5-	02848	20228
269 6-	02848	28328	5-	02867	29227	5-	02858	26228			
276 10	02861	22826	40	02832	21825	00	01890	00013	5-	02858	20218
279 15	01863	14214									
285 00	02890	06245	00	17890	05214	00	00890	18200	00	08490	2110?
288 5-	02867	24227	5-	01865	26225	5-	02847	22227	52	61645	24258
575 00	05690	28415	00	01690	28412	00	05690	32100	60	08490	15220
301 10	01751	04313	00	10790	06313	00	05590	00010			
321 14	01752	04313	54	01752	02213	10	01701	18301	00	43390	00040
2. 2 00	01990	08214	00	01990	08114	00	05690	10100	--	44109	20149
292											
310 10	01763	04313	04	01890	07313	00	05690	04100	--	48109	31149
614											

13h. G.M.T. 4th May ..... 18h. G.M.T. | 01h. G.M.T. 5th May ..... 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
339 00	01890	01403	00	17790	31501	00	05690	00000	50	01732	26202
334											
340			10	01861	04401				00	43180	18140
134 10	02855	06425	40	01854	04314	00	05690	04300	50	01751	04201
336 10	01752	08412	53	01752	04413				00	00790	04300
351 10	01854	02514				5-	02717	04227	5-	08438	02248
366 10	05661	35411	10	05662	04303	00	05690	04100	50	05661	28101
379 10	01853	02513	00	01890	04501	00	05690	02300	--	44109	02349
50	01864	37614	00	00890	37500	00	05590	02200	50	47336	32246
390 50	01844	55414	10	01861	08411	5-	05635	02315	5-	08438	01128
438 04	01790	02712	40	01762	01712	50	01763	02613	5-	05647	02517
430 10	01852	37613	50	01851	39511	00	05690	04400	57	05655	35427
409 10	01751	02501	00	00790	01500	00	00790	04300	04	00890	01282

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 5th May
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	bbcby	bbcy	bcbmw	Kew 24 hours ended 7h
Croydon	bbcbcy	by	bycomb	Max. Time
Greenwich	bcy	by	bybcmb	0·2 4-7h 5th
Camden Square	b	b	*	Min. Time
Kensington	bc	bc	*	0·1 8-18h 4th
Hampstead	bc	bc	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs (Yesterday)	Humidity 15h % (Yesterday)	Humidity 9h % (To-day)
Kew	60	42	30	–	–	13·7	*	*
Croydon	60	41	31	–	–	12·7	*	*
Greenwich	61	41	31	–	–	13·2	37	80
Westminster	62	43	38	–			39	83
Regents Park	62	41	34	–	–		49	82
Camden Square	63	42	37	–	–	*	*	79
Kensington	64	42	37	–	–		47	81
Hampstead	59	39	36	–	–		*	85

SECRET

Page 1

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

BRITISH SECTION

Thursday 6th [May] 1943

No. 29750

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	12·8	-28	NE	2	Z_o	60	55	47	5	5	-	-	10	10	4000
	Croydon ...	13·8	-30	NE	2	Z_o	60	65	49	6	-	3	-	0	9+	-
	S. Farnborough	13·0	-30	NNE	1	Z_o	57	65	44	6	5	-	-	10	10	5700
	Boscombe Down	14·6	-22	N	1	Z_o	52	75	45	6	-	2	-	0	10	-
	Thorney Island	13·1	-20	E'N	2	c	53	65	46	6	-	7	-	0	8	-
	Lympne ...	12·5	-26	ENE	2	c	60	65	48	7	-	3	-	0	9+	-
	Manston ...	13·0	-22	NE	2	c	55	75	47	6	5	7	-	7-8	9+	5700
2	Shoeburyness ...	13·2	-20	ENE	2	c	53	85	49	7	-	7	-	0	10	-
	Felixstowe ...	13·2	-28	ENE	3	Z_o	55	85	48	6	-	7	-	0	7-8	-
	Gorleston ...	14·5	-22	NE'N	3	bc	52	85	46	7	-	7	2	0	4-6	-
	Mildenhall ...	12·7	-32	NE	3	c	65	55	48	8	1	-	6	4-6	9	4000
	Cranwell ...	13·6	-34	E	3	b	62	45	42	8	1	-	-	1	1	2500
3	Birmingham ...	14·0	-26	E	2	Z_o	59	45	38	6	1	-	-	Tr	Tr	4000
	Upper Heyford	13·5	-34	N'E	2	c	57	63	46	7	-	7	-	0	10	-
4	Ross-on-Wye	13·8	-36	NE	3	Z_o	59	45	37	6	1	5	-	Tr	7-8	4000
5	Hartland Point	13·5	-24	NE	3	b-bc	52	85	36	8	4	-	-	2-3	2-3	3000
	Bristol ...	14·5	-28	N	1	Z_o	55	65	45	6	-	7	-	0	10	-
	Portland Bill ...	13·6	-26	ENE	3	c	53	85	49	8	6	4	-	7-8	9	4000
	Plymouth ...	14·0	-22	SW'N	2	c	51	75	45	7	5	7	-	2-3	10	6000
	The Lizard ...	13·5	-26	SE	2	o	54	75	46	8	5	-	-	10	10	2000
	Scilly (St. Mary's)	14·4	-20	N'E'N	4	bc	56	65	46	7	1	4	5	1	4-6	1800
	Guernsey ...															
6	Pembroke ...	15·4	-20	N'E	4	c	53	85	47	7	2	-	-	9+	9+	3000
7	Holyhead (Valley)	16·2	-16	N'E	3	c	50	65	42	8	5	-	-	10	10	4000
	Chester (Sealand)	14·8	-26	WNW	2	b-bc	55	75	47	6	1	-	-	2-3	2-3	2000
8	Manchester ...	14·4	-30	SW	2	Z_o	59	45	39	5	-	-	-	0	0	-
10	Spurn Head ...	15·0	-32	ENE	3	b-bc	51	75	43	7	1	-	-	2-3	2-3	4000
	Catterick (Sc) ...	15·2	-34	S	1	Z_o	59	55	43	6	2	-	-	4-6	4-6	3000
	Tynemouth ...	15·7	-20	NW	3	c-bc	55	55	38	7	5	3	-	4-6	7-8	2500
11	St. Abbs Head	13·8	-16	NW	3	c-bc	51	92	49	7	5	4	-	4-6	7-8	3000
	Leuchars ...	13·4	-14	WSW	3	$r_o r_o$	52	85	48	7	5	2	-	4-6	9+	2000
12	Renfrew (Abbotsl.)	14·9	-10	WNW	4	c/r	50	75	41	9	7	2	-	7-8	9+	1800
	Eskdalemuir ...	14·6	-18	WNW	3	c	53	65	41	8	7	7	-	7-8	9+	1800
	Point of Ayre ...	15·8	-14	SSW	3	c	52	75	46	8	9	7	-	4-6	10	2000
13A	Tiree	17·1	-6	NW'W	3	bc	49	65	39	9	8	-	5	4-6	4-6	2200
13B	Stornoway ...	13·9	-10	SW	4	c-bc	49	92	47	8	2	6	1	4-6	7-8	1800
15	Dalwhinnie ...	15·0	-2	N	3	c	49	55	33	8	8	-	6	2-3	9+	2500
	Aberdeen ...	14·5	0	NW	2	$r_o r_o$	48	85	44	7	5	2	-	4-6	10	1000
	Wick ...	18·7	-2	NW	3	bc	51	65	38	9	8	8	6	4-6	4-6	2500
16	Sumburgh ...	11·5	+6	W'S	5	b-bc	49	75	40	9	2	-	2	1	2-3	2500
17	Blacksod Point	20·5	-6	NNW	4	bc	51	55	36	8	8	-	4	2-3	4-6	2500
18	Malin Head ...	17·5	-10	NNW	3	bc	49	55	34	8	5	-	1	2-3	4-6	1500
	Aldergrove ...	17·4	-6	NNW	2	c	50	75	41	8	5	-	-	2-3	10	1000
19	Birr Castle ...	17·4	-18	N	1	rr	49	92	47	8	8	2	-	7-8	10	1500
20	Valentia Obsy.	19·8	-6	NNE	4	c/r	48	75	40	8	5	2	-	9	10	2500
	Roches Point	16·6	-14	N'E	3	c	52	85	48	8	8	1	-	4-6	9+	1500

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

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)	08·6	-18	ESE	2	Z_o	58	55	38	5	5	-	-	10	10	4000	1	*
	Croydon ...	09·6	-22	ENE	1	Z_o	59	55	41	6	-	3	-	0	9+	-	0	*
	S. Farnborough	08·7	-10	NE	1	Z_o	60	65	48	6	5	3	-	9+	10	5700	0	*
	Boscombe Down	10·1	-26	N'W	1	Z_o	55	75	47	6	5	3	-	2-3	9	7000	0	*
	Thorney Island	08·3	-26	SSW	3	z_o	54	75	46	6	2	7	-	2-3	9+	5000	0	*
	Lympne ...	09·3	-18	SE	2	c	55	65	43	7	5	-	-	10	10	4500	0	§2
	Manston ...	09·6	-16	NE'E	1	Z_o	53	75	45	6	5	7	-	4-6	9	5700	0	*
2	Shoeburyness ...	10·8	-18	ENE	3	Z_o	54	75	46	6	5	7	-	4-6	9	4000	0	*
	Felixstowe ...	09·4	-26	NE'N	1	Z_o	54	75	46	6	-	3	-	0	9	-	0	1
	Gorleston ...	11·9	-24	-	0	c	52	85	47	7	5	-	-	9+	9+	1500	0	2
	Mildenhall ...	09·3	-20	SE'S	1	c/r	59	65	47	7	-	7	-	0	10	-	0	*
	Cranwell ...	09·4	-24	E'S	3	bc	56	55	41	8	-	7	2	0	4-6	-	0	*
3	Birmingham ...	09·5	-24	NW	4	Z_o	58	55	43	6	8	-	-	10	10	1500	0	*
	Upper Heyford	09·7	-18	N'W	1	Z_o	57	75	47	6	-	7	7	0	10	-	0	*
4	Ross-on-Wye	09·6	-16	ESE	2	Z_o	58	55	41	6	-	7	-	0	9+	-	0	*
5	Hartland Point	10·2	-18	N	4	c-bc	51	85	46	7	-	4	9	0	7-8	-	0	4
	Bristol ...	09·9	-30	-	0	Z_o	55	75	48	6	5	-	-	9+	9+	7800	0	*
	Portland Bill ...	10·6	-8	SSW	3	c-bc	52	85	48	8	5	-	-	7-8	7-8	4000	1	3
	Plymouth ...	10·9	-6	SW'S	1	ir$_o$	50	85	46	6	5	2	-	7-8	10	4000	0	2
	The Lizard ...	10·3	-16	N	4	pr	50	92	48	8	5	-	-	9	10	2000	1	3
	Scilly (St. Mary's)	12·1	-14	N	5	c	52	75	44	7	8	4	3	9	9+	1500	0	4
	Guernsey ...																	
6	Pembroke ...	11·7	-16	N'E	5	bc	50	85	45	8	2	4	1	2-3	4-6	2500	0	3
7	Holyhead (Valley)	13·5	-14	NNW	3	id$_o$	46	85	42	7	5	7	-	9	10	1000	1	2
	Chester (Sealand)	12·5	-10	NNW	3	c-bc	50	75	41	8	1	3	-	4-6	7-8	1500	0	*
8	Manchester ...	11·6	-10	NW'W	4	z_o	51	65	40	6	4	3	-	Tr	2-3	4000	0	*
10	Spurn Head ...	11·0	-22	E	4	bc	49	85	43	7	7	3	1	2-3	4-6	2500	0	3
	Catterick (Sc) ...	11·2	-18	E	1	Z_o	54	65	43	6	5	8	-	7-8	10	1800	0	*
	Tynemouth ...	12·7	-14	SSE	3	c-bc	50	75	41	7	2	-	-	7-8	7-8	2500	0	3
11	St. Abbs Head	11·3	-6	N	2	ir$_o$	46	97	46	7	5	-	-	10	10	2000	1	3
	Leuchars ...	11·9	-6	E	2	rr	46	97	44	6	5	-	-	10	10	300	1	*
12	Renfrew (Abbotsl.)	12·2	-14	W'N	4	c	50	55	33	9	7	7	-	1	10	3000	0	*
	Eskdalemuir ...	11·7	-10	NW	4	ir$_o$	45	75	38	8	5	-	-	10	10	1800	0	*
	Point of Ayre ...	13·2	-10	N'W	4	c/pr	48	75	39	8	8	2	-	Tr	10	2000	1	3
13A	Tiree	13·8	-20	W'N	3	c-bc/pr	48	85	42	9	3	-	8	4-6	7-8	2000	0	3
13B	Stornoway ...	11·4	-10	SW	4	bc/pr	46	75	37	8	3	-	6	4-6	4-6	1500	1	3
15	Dalwhinnie ...	12·6	-14	NNW	3	c	45	55	31	8	8	4	7	2-3	9+	2500	0	*
	Aberdeen ...	11·8	-10	SE	2	z_o	45	85	42	6	-	7	-	0	10	-	1	1
	Wick ...	12·0	-12	SE	3	c-bc	46	85	40	9	8	-	5	7-8	7-8	2500	0	*
16	Sumburgh ...	09·1	-16	WSW	4	c	47	85	43	8	2	-	2	2-3	9	2500	0	3
17	Blacksod Point	18·2	-14	NW'N	4	c-bc	49	65	38	8	8	5	2	2-3	7-8	2500	1	3
18	Malin Head ...	14·9	-18	NW'W	5	c	48	65	37	8	2	-	7	4-6	9+	1500	1	4
	Aldergrove ...	15·0	-14	NNW	4	c	48	55	33	8	8	1	-	4-6	10	2000	1	*
19	Birr Castle ...	15·9	-6	N	2	c	49	65	38	8	-	-	5	0	9	-	1	*
20	Valentia Obsy.	18·1	-10	N	6	c	49	75	41	8	7	-	8	1	9+	2500	1	4
	Roches Point	14·8	-10	NNE	4	c/r	48	92	46	8	6	2	-	4-6	9+	1500	1	4

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 5th. (39)	Weather. 13h.—18h. 5th. (40)	Weather. 18h. 5th. to 1h. 6th. (41)	Weather. 1h.—7h. 6th. (42)
1	London (Kew)	cm$_o$y	e$_z$y	c$_z$y	c$_z$o
	Croydon ...	cmz$_o$	e$_z$o$_y$	c$_z$c$_z$	bcmw
	S. Farnborough	cm$_o$z$_o$	e$_z$o$_y$c$_z$o	e$_z$o$_m$o$_m$z	cmm$_o$
	Boscombe Down	c	c$_z$o	c$_z$o$_m$o$_m$o$_m$o	c$_r$o$_m$o
	Thorney Island	cm$_o$	cy	bcmcm$_o$	cm$_o$
	Lympne ...	bccmz$_o$c	e$_z$y$_e$	c$_b$c$_b$m$_o$	bcm$_o$w
	Manston ...	bc$_c$	e$_z$o$_y$	c$_z$o$_b$c$_b$m$_o$	cmwc
2	Shoeburyness ...	bcc	cm$_o$c$_z$o$_o$		
	Felixstowe ...	bcccm$_o$	ccm$_o$	c$_z$o$_b$m$_o$	bcm$_o$cm$_o$
	Gorleston ...	bc	bcc	bccm$_o$	offo
	Mildenhall ...	cy	cycir$_o$y	cm$_o$	cm$_o$c
	Cranwell ...	bz$_o$by	bbccbcy	bcycr$_r$m$_o$	cr$_r$cm$_o$
3	Birmingham ...	fbz	bzc$_q$o	dir$_o$	cz
	Upper Heyford	bm$_o$bc	ccid$_o$z$_o$	c$_z$o	cmrorrm$_o$
4	Ross-on-Wye	of$_o$bzbcz	cyz$_o$	cc	cp$_o$c
5	Hartland Point	b	bbcc		crc
	Bristol ...	ofcm$_o$z$_o$	e$_z$o$_o$	c$_z$o$_c$m$_o$c$_z$o	cm$_o$ccir$_o$
	Portland Bill ...	c	e	bcc	cc
	Plymouth ...	bbcc	ccm$_o$ir$_o$m$_o$	cir$_o$cm$_o$	c
	The Lizard ...	bco	opr$_o$	c	cmrrr$_o$
	Scilly (St. Mary's)	bbc	bcc	cp$_o$c	cp$_o$c
	Guernsey ...				
6	Pembroke ...	bcc	bc	c	cq
7	Holyhead (Valley)		c	c	c
	Chester (Sealand)	fbcm$_o$z$_o$	bcbzobc	bcc	cbcc
8	Manchester ...	bm$_o$z$_o$y	bz$_o$y$_c$y	bz$_o$cm$_o$	cbcm$_o$
10	Spurn Head ...	fbc	bc	c	cir$_o$
	Catterick (Sc) ...	bcz$_o$	bcz$_o$yc	cir$_o$fcm$_o$	c
	Tynemouth ...	bcm$_o$c	cbcc	c	cp
11	St. Abbs Head	cpc	cpr$_e$ir$_o$	c++r	crrc
	Leuchars ...	c$_r$r$_r$r$_o$	r$_o$crrm$_o$	cr$_c$r$_m$c$_i$r$_o$c	cwbcw
12	Renfrew (Abbotsl.)	c$_r$o$_r$e	c$_y$y	cycw	
	Eskdalemuir ...	c	cir$_o$	cir$_o$c	c
	Point of Ayre ...	c	cidir$_o$	c$_b$c	bbc
13A	Tiree	bc	bcc	b$_c$b	bcc}pbc
13B	Stornoway ...	bc}ppbc	cbepr$_o$	bc	bcpr$_o$
15	Dalwhinnie ...	cpr$_o$y	cy		cbc
	Aberdeen ...	cr$_o$r$_o$	cr$_o$r.z$_o$	czir$_o$	cir$_o$c
	Wick ...	cr$_o$p$_r$c$_b$c	bcc	bc	cbcw
16	Sumburgh ...	cr$_o$r$_o$bc	bcc	cbc	cp$_o$c
17	Blacksod Point	bc	bc	bc	bc
18	Malin Head ...	r	c	c	pr
	Aldergrove ...	cd$_o$d$_o$m$_o$c	c	cycbc	bcbc
19	Birr Castle ...	r	r		b
20	Valentia Obsy.	r	c	pr	pr
	Roches Point	e	r	r	b

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light or moderate north to northwest winds; local slight rain at first, fine tonight; cold.
4 W. Midlands 5 S.W. England South Wales	Moderate or fresh north to northwest winds; scattered showers; appreciable clear skies tonight; 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 or fresh north to northwest winds; variable cloud and scattered showers, becoming thundery later in west; appreciable clear skies in east tonight, cold.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate or fresh westerly winds, veering in north. Scattered showers of rain and hail, with local thunderstorms rather cold.
16 Orkneys and Shetlands	As 13A-15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate or fresh northwest winds; scattered showers, rather cold.

GENERAL INFERENCE

Pressure is low to the southeast of the British Isles. A weak ridge of high pressure over the British Isles and a depression over the Faeroes with associated trough just northwest of the British Isles are all moving southeast. Weather will be fine tonight over most southern and eastern districts after local rain in the southeast. Thundery showers will fall in the North and West. Rather cold in the North and cold in the South.

FURTHER OUTLOOK

Cold northerly winds with showers in most districts.

Forecasts issued at 1030

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

7h. Thursday 6th May 1943.

998 Low

1000 1002 1004 1006 1008 1010 1012 1014 1016

High

Low

60° 55° 50° 10° 5° E. 0° 5° W.

STATION MODEL

High Cloud

Medium cloud

Low cloud

Amount of Low cloud

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

Temperature °F.

Present weather

Visibility

Dew Point °F

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Weather in past hour

Past weather

Scale 1 : 5,000,000

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

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Thursday 6th May

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

E.M.S.

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

Thursday 6th May 1943 — No. 29750

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

Dist.	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	52	*	*	*	*	*	*	*	*	*
	Croydon ...	290	07·7	-14	-	0	m	49	92	47	4	5	-	-	4-6	4-6	3000
	S. Farnborough	226	00·6	-10	N'W	1	m	51	85	46	4	5	-	-	9	9	6000
	Boscombe Down	417	08·2	-6	NNW	2	$_{10}^{0}$	46	97	45	6	6	-	-	10	10	4500
	Thorney Island	10	07·3	-10	NW'W	1	Z_0	50	92	48	5	5	-	-	9+	9+	7800
	Lympne ...	283	06·2	-12	WNW	1	Z_0	42	97	41	6	-	-	-	0	0	-
	Manston ...	154	06·7	-14	-	0	Z_0	45	97	44	5	-	7	-	0	1	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	06·1	-18	-	0	Z_0	48	85	43	5	-	-	-	0	0	-
	Gorleston ...	5	07·9	-6	NW'N	2	Z_0	49	92	47	5	5	-	-	4-6	4-6	800
	Mildenhall ...	15	06·9	-8	N	2	Z_0	48	92	46	6	5	-	-	9+	9+	7500
	Cranwell ...	203	07·9	-10	NE	1	Y_0Y_0	46	92	44	6	5	-	-	10	10	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	07·9	+10	NNW	2	Z_0	46	92	43	6	5	-	-	10	10	3800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299															
	Bristol ...	209	08·9	-4	NNE	4	Z_0	47	85	43	5	5	-	-	9+	9+	6700
	Portland Bill ...	32	08·2	-14	N	2	c-bc	50	97	48	7	5	-	-	7-8	7-8	4000
	Plymouth ...	82	08·5	-14	N	4	Z_0	49	85	46	5	2	-	-	7-8	10	2000
	The Lizard ...	240	08·8	-16	NNE	5	c-bc	47	85	45	7	5	-	-	7-8	7-8	1500
	Scilly (St.Mary's)	163	10·8	-8	N'E	6	c	48	92	46	7	8	-	-	9+	9+	1500
	Guernsey ...	175															
6	Pembroke ...	142	10·9	-4	NNE	4	bc	45	75	38	8	2	-	-	4-6	4-6	4000
7	Holyhead (Valley)	32	12·1	-6	N'E	3	c	46	75	39	8	5	-	-	10	10	6300
	Chester (Sealand)	16	10·8	-8	WNW	3	c	47	75	40	7	5	2	-	2-3	10	2000
8	Manchester ...	235	09·6	-10	NW'N	3	Z_0	45	86	40	6	5	-	-	10	10	1900
10	Spurn Head ...	29	08·2	-18	N'W	2	c	48	86	43	7	5	2	-	7-8	10	1500
	Catterick (Sc.)...	192	09·7	-6	NW	2	Z_0	46	75	39	6	5	2	-	9+	10	2200
	Tynemouth ...	108	09·7	-14	NW	3	c	46	85	41	7	8	-	-	9+	9+	2500
11	St. Abbs Head	280	09·3	-10	E	2	$_{10}^{r}$	43	97	43	7	5	-	-	10	10	1500
	Leuchars ...	36	09·5	-14	-	0	$_{10}^{r}$	42	97	42	7	5	7	-	4-6	10	3900
12	Renfrew (Abbots L.)	19	10·5	-14	SW'W	2	c	40	86	37	7	-	7	7	0	9+	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	11·8	+6	N	5	bc	47	75	40	8	4	7	-	1	4-6	2500
13A	Tiree	44	12·2	-4	NW	2	b	42	85	38	9	4	-	-	1	1	2500
13B	Stornoway ...	15	09·1	-18	WSW	3	b	38	92	33	8	3	-	-	1	1	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	09·4	-14	-	0	0	43	85	38	8	5	7	-	7-8	10	8600
	Wick ...	114	08·9	-14	-	0	bc	39	75	31	9	4	-	6	2-3	4-6	2500
16	Sumburgh ..	19	06·4	-14	WSW	5	bc	44	86	41	8	2	6	3	4-6	4-6	2000
17	Blacksod Point	18	15·9	-12	NW	3	bc	45	75	37	8	8	-	-	4-6	4-6	2500
18	Malin Head ...	84	12·3	-12	NW	4	pr	44	65	33	8	8	-	-	4-6	4-6	2500
	Aldergrove ...	268	12·7	-14	W	2	b-bc	43	85	37	8	8	-	-	2-3	2-3	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17·2	-6	N	3	b-bc	46	75	38	8	2	-	-	2-3	2-3	2500
	Roches Point	22	14·9	-4	N	5	b-bc	45	85	41	8	6	-	-	2-3	2-3	1500

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

Barom. 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)
05·6	-2	NNW	2	Z_{00}	49	85	44	5	5	-	-	10	10	2500	1	*
06·6	-2	NW'W	2	Z_{00}	49	85	46	5	5	-	-	10	10	2000	0	*
06·2	+2	N'W	2	Z_{00}	48	85	42	6	6	-	-	10	10	1200	0	*
07·0	0	N'W	4	c	48	85	41	7	5	7	-	7-8	9+	4000	1	*
08·8	-4	N'W	3	Z_{00}	48	85	44	5	5	8	-	4-6	9	5000	0	*
04·3	-6	N'W	2	Z_{00}	48	97	47	5	-	3	1	0	4-6	-	0	1
04·1	-8	NW'N	1	bc Z_0/f	48	97	47	5	5	3	-	1	4-6	5000	1	*
06·1	-6	NNW	2	f-	46	97	45	3	-	-	-	10	10	1150	0	*
04·9	+4	NNW	1	Z_{00}	47	92	45	6	5	1	-	1	7-8	4000	0	1
05·2	-8	NNW	2	Z_{00}	48	85	43	6	5	7	-	7-8	7-8	800	0	2
05·8	+2	NW	3	c	49	92	46	7	5	-	-	10	10	800	0	*
06·5	+2	N'E	3	$_{10}^{r}$	45	97	44	5	6	2	-	10	10	3000	1	*
07·6	+2	NW	4	Z_0	44	75	37	6	5	7	-	7-8	10	1500	0	*
07·1	+6	N'E	3	$_{10}^{r}$	44	92	41	6	5	-	-	10	10	1500	1	*
08·5	0	N	3	c	45	75	37	8	7	7	3	4-6	9	3500	0	*
09·1	+8	N	5	c	47	85	42	8	5	2	-	7-8	10	2000	0	4
08·4	+2	N'W	3	$_{10}^{r}$	45	85	41	6	-	7	-	0	10	-	0	*
06·8	+2	N	4	c	47	92	45	8	5	-	-	10	10	4000	1	4
08·3	+2	N	3	$_{10}^{r}$	46	92	43	8	5	2	-	7-8	10	3500	0	2
08·9	+8	N	5	c	46	75	39	8	5	-	-	9	9	1500	0	4
10·8	+4	N'W	6	c	47	75	40	8	8	7	-	4-6	9+	1200	0	5
10·6	+4	N'E	5	cq	46	75	40	8	8	6	-	7-8	9+	2500	0	3
10·8	+2	NNW	4	c	45	75	38	8	1	1	8	4-6	9+	2500	1	2
03·8	0	NW	4	c	48	65	37	8	8	3	-	4-6	9+	2500	0	*
08·3	+2	NW'N	3	Z_0	44	85	39	5	5	3	2	4-6	7-8	2500	1	*
06·9	0	N	4	$_{10}^{r}$	47	92	45	7	5	2	-	7-8	10	1500	1	3
07·7	-4	NNW	2	c	44	85	39	7	5	7	-	7-8	9+	2500	0	*
07·9	-4	N	4	c/pr	44	85	40	7	5	-	-	9+	9+	2100	1	3
07·6	-16	SW'W	4	c/r	42	92	39	7	5	2	-	7-8	9+	3200	1	2
07·3	-2	SW'S	1	c	44	75	36	8	5	-	8	2-3	9	4500	1	*
08·9	-2	SW'W	2	b-bc	41	85	36	7	2	-	8	1	2-3	3500	0	*
08·0	0	NW'N	2	c	42	75	34	8	1	3	8	Tr	9+	2700	0	*
09·5	0	N	4	c	46	75	36	8	2	-	6	1	3	3000	0	4
08·6	-10	W'N	3	b-bc	46	75	38	9	3	4	-	2-3	2-3	2000	0	3
05·1	-24	SW	4	b-bc/pr	42	85	37	8	3	6	3	2-3	2-3	2200	1	2
07·5	-10	SSW	2	b-bc	39	65	28	8	7	-	5	2-3	2-3	2500	0	*
06·9	-14	WNW	2	f	42	65	33	8	-	3	7	0	9+	-	1	1
06·2	-12	WSW	3	bc	41	75	35	9	8	4	6	2-3	4-6	3000	0	*
02·5	-12	SSW	3	c	44	92	41	8	3	6	3	4-6	9	2000	1	3
13·1	-10	W	3	c	48	75	40	8	8	-	-	9+	9+	2500	2	3
09·8	-10	NW'W	3	bc	46	65	35	8	8	-	-	4-6	4-6	2500	1	3
10·9	-6	WNW	2	c-bc	42	75	35	8	8	-	-	7-8	7-8	2000	1	*
13·5	-2	NW	1	b	42	85	38	8	-	-	-	0	0	-	1	*
15·8	-2	N	1	b/pr	47	65	36	8	2	-	-	1	1	2500	1	4
14·9	-2	N	4	b	44	85	40	5	5	-	-	1	1	2500	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 5th hrs. (38)
63	48	37	-	-	0·2
64	43	34	-	-	1·5
62	43	40	Tr	-	0·1
57	44	43	-	4	0·0
61	47	38	-	-	*
62	40	30	-	-	1·6
57	43	33	-	-	2·2
57	42	35	-	-	4·4
56	41	31	-	-	6·(
55	45	43	-	-	9·(
68	45	41	Tr	Tr	7·7
63	44	43	-	0·2	9·6
61	43	41	-	0·5	4·7
59	43	38	Tr	2	*
60	44	42	-	0·1	4·4
54	45	44	-	0·3	10·9
57	45	42	-	Tr	1·2
56	46	*	-	-	*
52	45	43	Tr	Tr	2·1
57	45	*	0·5	Tr	4·7
56	47	*	-	0·3	11·6
52	44	*	-	-	9·5
51	44	41	0·1	0·2	*
57	44	37	-	-	11·4
61	41	39	-	-	*
52	46	*	-	Tr	9·3
59	43	41	-	Tr	5·1
57	44	*	-	Tr	*
52	40	*	Tr	5	*
55	41	38	6	1	0·4
52	36	27	2	-	0·1
56	35	31	Tr	0·2	1·8
56	45	*	0·4	-	1·6
51	38	*	0·1	-	9·8
52	31	30	Tr	1	8·4
52	30	24	0·3	-	2·0
56	41	38	2	0·5	0·7
52	35	29	Tr	-	*
50	43	38	0·2	Tr	8·2
52	46	*	0·2	3	*
50	49		0·5	1	4·9
50	36	25	1	-	0·2
53	35	31	2	-	0·1
51	44	39	2	0·3	1·4
53	43	*	7	0·4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 5th May ... 18h. G.M.T. | 01h. G.M.T. 6th May ... 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 20	01854	22424	27	02862	21525	8-	01744	21484	3-	02854	21524
115 87	10844	24566				37	88745	20487	34	02954	24526
203			80	02946	20426						
206 86	02964	24465	46	02969	24327	53	01961	22313	84	01863	24323
210 84	02964	27226	73	02963	28328	57	02862	20326	04	01996	21324
219 86	20953	23414				20	01854	24484	36	02952	22484
230 10	02964	24366	1-	02963	26328	40	01963	26213	86	10954	00024
245 92	62625	02268	57	62643	06268	57	02745	00027	84	02752	26127
260 57	61744	22328	57	02855	23368	52	22755	00003	04	05690	00024
278 52	62837	30468	52	02964	28428	57	02854	28525	20	01853	28313
279 7-	02856	22427	5-	02855	63328	5-	02878	30468	20	02852	30327
285 5-	02747	30427							5-	03748	26528
288 20	05652	09122	80	05655	04115	5-	08448	29128	52	02895	30268
575 70	02855	02227	26	02855	30327	00	00790	28280	80	01754	28114
301 26	01752	27324	83	05654	28415	5-	05678	31428	27	05653	30327
321 10	01851	32101	86	02864	08226	5-	62668	02168	52	22556	32268
2.9 00	00790	12100	57	01753	02203	50	02756	32316	5-	62648	30468
292 00	05690	00000	5-	05654	08317	5-	02768	26328	57	22664	32263
310 --	01652	20312							--	05428	24328
614 10	01763	01113	27	05693	00027	52	62566	32268	5-	62558	01168

13h. G.M.T. 5th May ... 18h. G.M.T. | 01h. G.M.T. 6th May ... 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 17	02743	30325	58	02754	31426	57	05675	02587	87	02844	30428
334 --	01672	28213							--	03657	32128
340			57	02653	32315						
136 50	01851	04314	53	02731	05327	5-	05575	04125	5-	02735	02328
336 00	00790	12300	13	02763	28417				13	01753	32315
350 27	02751	04327	57	02754	04128	5-	05565	28228	57	61675	30267
368			53	05674	24215	52	05664	00018	57	02754	28167
379 5-	05568	02328	57	05674	32128	5-	22668	32468	57	05664	30468
390 57	05675	10227	57	05675	11227	57	05564	00014	5-	05548	30428
382 57	05663	04127	57	05690	30229	5-	61668	32368			
438 53	05554	08117	54	05664	00014	50	05663	26313	50	05664	32314
430 07	05590	04127	07	05690	18226	5-	05667	25128	57	05666	32327
409 07	01890	03404	57	02864	01527	52	61646	32588	52	22845	32568

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 6th May
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 M_0 Y	c Z_0 Y	c Z_0 Y	Kew 24 hours ended Max. [illegible] 04 21 [illegible]h
Croydon ...	c m Z_{20}	c Z_0 Y	c Z_0 h_{10}	
Greenwich ...	c	c y	cbc	
Camden Square	c	c	*	
Kensington ...	bcz	bcz bc	*	
Hampstead ...	c	o		Min. Time 01 3-7h. 6th

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Today	Humidity 0h % Today
Kew ...	63	48	37	-	-	0·2	*	*
Croydon ...	64	43	34	-	-	1·5	*	*
Greenwich ...	64	45	31	-	-	1·1	47	76
Westminster ...	64	48	41	-	-	*	53	75
Regents Park ...	64	47	38	-	-	*	53	79
Camden Square	64	47	43	-	-	*	54	79
Kensington ...	65	48	40	-	-	*	54	79
Hampstead ...	61	45	42	-	-	*	*	83

SECRET

~~CANCELLED~~

Page 1

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

Friday 7th May 1943. No. 29751

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

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)	05·3	-4	N	3	c	54	65	41	6	5	1	6	7-8	9+	2500
	Croydon ...	05·4	-6	NW'W	3	c	56	55	41	6	1	3	-	1	9+	2500
	S. Farnborough	05·6	-2	NNE	3	c	52	75	43	6	5	7	-	9+	10	1000
	Boscombe Down	06·2	-10	N'W	4	c	54	55	38	6	1	7	6	4-6	7-8	3000
	Thorney Island	05·3	-2	N'E	5	c	54	68	42	6	5	7	-	4-6	9+	5000
	Lympne ...	03·4	-12	NNE	4	bc	58	65	47	7	2	3	9	1	4-6	2000
	Manston ...	03·6	-10	N'W	2	c	56	75	47	6	5	-	-	9+	9+	4000
2	Shoeburyness ...	06·3	-4	NNW	3	c	57	65	46	7	5	2	-	9	10	1500
	Felixstowe ...	04·1	-2	NE'E	4	c	53	75	47	6	5	-	-	9+	9+	4000
	Gorleston ...	04·4	-24	N	4	c	52	65	43	7	7	7	-	7-8	9	2000
	Mildenhall ...	05·6	-4	NNE	4	c	54	65	44	7	8	3	-	7-8	9+	2500
	Cranwell ...	05·8	-8	NNW	3	c	54	65	41	6	2	1	1	4-6	7-8	3000
3	Birmingham ...	06·9	-2	NW	4	c-bc	51	45	31	7	7	4	1	4-6	7-8	4000
	Upper Heyford	06·3	-6	NNE	4	c	53	65	40	6	5	7	1	4-6	9	4600
4	Ross-on-Wye	07·6	-4	N	3	c	52	45	32	8	7	-	8	9	9+	4000
5	Hartland Point	09·4	0	N	5	c-bc	48	75	40	8	1	-	8	4-6	7-8	2500
	Bristol ...	07·1	-10	N	3	c	45	65	31	8	7	-	2	4-6	9	4000
	Portland Bill ...	07·1	0	N	4	c	52	92	50	8	2	4	-	4-6	10	4000
	Plymouth ...	08·8	-2	NW	4	c-bc	52	65	38	9	1	4	8	7-8	7-8	3500
	The Lizard ...	09·7	0	N	6	c-bc	52	65	39	8	2	-	-	7-8	7-8	2000
	Scilly (St. Mary's)	12·0	+2	NNW	5	c	52	45	29	8	8	6	5	9	9+	1200
	Guernsey ...															
6	Pembroke ...	10·8	0	NNW	4	bc	50	65	40	8	2	4	1	2-3	4-6	2500
7	Holyhead (Valley)	09·9	-6	NW'N	4	b	52	55	36	9	1	-	8	1	1	4000
	Chester (Sealand)	09·5	-2	NNW	4	c	51	65	37	8	2	6	6	4-6	9	2000
8	Manchester ...	07·4	-6	NNE	4	bc	51	45	27	7	1	-	2	2-3	4-6	3000
10	Spurn Head ...	05·7	-8	N	4	c	48	85	43	7	8	6	-	7-8	10	1600
	Catterick (Sc) ...	06·5	-8	NNW	3	c	51	55	34	8	8	-	8	7-8	9	2500
	Tynemouth ...	07·4	-6	E	3	c-bc	48	75	41	8	2	3	-	4-6	7-8	2200
11	St. Abbs Head	05·2	-18	N	1	bc	49	85	43	7	5	4	-	2-3	4-6	3000
	Leuchars ...	03·1	-34	SSW	3	c-bc	54	45	33	9	8	-	-	4-6	7-8	2500
12	Renfrew (Abbotsl.)	06·1	-16	WNW	3	c-bc/pr	53	55	38	8	3	6	-	4-6	7-8	2500
	Eskdalemuir ...	06·4	-14	NW'W	4	bc	50	45	28	8	7	-	-	4-6	4-6	2500
	Point of Ayre ...	08·6	-8	NW'N	4	b	54	65	41	8	1	4	8	1	1	3000
13A	Tiree	05·6	-18	WSW	3	pr	44	97	43	8	3	6	3	7-8	9	1500
13B	Stornoway ...	01·8	-8	SW	5	c/pr	48	65	35	8	3	6	3	7-8	9	2200
15	Dalwhinnie ...	04·2	-16	SW	3	bc	49	35	25	8	8	-	-	4-6	4-6	2500
	Aberdeen ...	04·0	-18	S	4	c-bc/pr	48	65	36	8	3	-	8	7-8	7-8	2500
	Wick ...	03·4	-16	NNW	2	c-bc	48	65	38	9	3	-	3	7-8	7-8	2000
16	Sumburgh ...	01·1	-18	SW	5	bc	47	75	41	8	2	6	-	4-6	4-6	2500
17	Blacksod Point	11·3	-14	W	5	c	52	65	41	8	8	-	-	9+	9+	2500
18	Malin Head ...	07·6	-12	W	4	bc	49	65	38	8	8	-	-	4-6	4-6	2500
	Aldergrove ...	08·6	-14	W	3	c	50	65	39	8	8	-	-	9	9	2500
19	Birr Castle ...	10·1	-12	NW	2	c-bc	53	85	49	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy.	15·2	-4	NW'N	4	c-bc/pr	51	75	43	8	3	6	3	4-6	7-8	2500
	Roches Point	12·1	-12	N	4	bc/pr	54	65	43	8	3	-	-	4-6	4-6	1500

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

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)	04·5	-6	N'E	3	ir	55	53	38	6	8	7	3	7-8	9+	4000	0	*
	Croydon ...	05·4	-2	NNW	2	c	54	65	43	5	5	-	-	4-6	9+	2500	0	*
	S. Farnborough	04·8	0	N	2	c	54	55	37	6	5	7	-	4-6	9+	1800	0	*
	Boscombe Down	04·4	+2	NNW	3	c-bc	54	45	32	7	1	3	9	2-3	7-8	5400	0	*
	Thorney Island	04·8	-12	N'W	3	c	50	85	46	7	-	3	-	0	9	-	0	*
	Lympne ...	03·7	+6	N'E	2	c	51	85	45	7	5	7	7	7-8	10	5000	0	2
	Manston ...	03·6	0	NE'N	3	c	50	85	44	7	5	7	-	9	10	3000	0	*
2	Shoeburyness ...	05·1	0	NNW	3	ir	53	75	45	6	-	7	-	0	9+	-	0	*
	Felixstowe ...	03·6	+2	N'W	4	ir	53	65	43	6	5	-	-	10	10	5700	0	3
	Gorleston ...	04·2	0	NW	4	c	50	75	41	7	8	-	-	9+	9+	1600	0	3
	Gorleston ...	04·7	-8	NE	3	ir	51	75	44	6	-	3	-	0	1	-	0	*
	Mildenhall ...	04·7	-2	NNW	4	c-bc	53	65	35	7	2	6	5	7-8	7-8	3000	0	*
	Cranwell ...	06·0	0	NW	4	bc	51	45	31	8	1	-	6	Tr	4-6	2500	0	*
3	Birmingham ...	05·4	+2	NNW	3	bc	52	45	30	7	4	5	1	Tr	4-6	3500	0	*
	Upper Heyford	06·7	-4	N	3	c-bc	52	45	38	9	1	-	8	2-3	7-8	4000	0	*
4	Ross-on-Wye	09·2	-2	N	4	bc	48	75	40	8	1	-	8	Tr	4-6	3000	0	4
5	Hartland Point	06·8	+2	N'W	3	c-bc	53	55	36	8	4	-	2	4-6	7-8	4000	0	*
	Bristol ...	06·0	-6	NW	4	c	53	92	51	8	2	4	-	4-6	9	4000	1	4
	Portland Bill ...	09·1	+2	NNW	5	c-bc	51	65	41	9	1	-	6	1	7-8	2500	0	2
	Plymouth ...	10·3	+4	N	5	bc	51	65	39	8	1	-	-	4-6	4-6	2500	0	4
	The Lizard ...	12·6	-4	NW'N	5	bc	51	65	39	8	1	-	-	4-6	4-6	1500	0	4
	Scilly (St. Mary's)																	
	Guernsey ...																	
6	Pembroke ...	09·4	-4	SW'S	2	b-bc	49	75	42	8	1	-	-	2-3	2-3	3000	0	2
7	Holyhead (Valley)	07·8	-16	SW'N	3	b	50	85	45	9	7	4	-	1	1	6500		1
	Chester (Sealand)	08·2	-6	NW'N	3	bc	51	55	33	8	1	-	1	Tr	Tr	2500	0	*
8	Manchester ...	06·6	-6	WNW	4	b	50	55	33	8	1	-	1	Tr	1	3000	0	*
10	Spurn Head ...	05·3	-2	NE	3	c-bc	48	85	42	7	1	4	-	4-6	7-8	2500	0	1
	Catterick (Sc) ...	04·3	-8	NW	3	bc	53	45	33	8	1	6	-	2-3	4-6	3000	0	*
	Tynemouth ...	04·5	-12	SE	3	bc/pr	46	85	41	8	2	-	-	4-6	4-6	2200	0	3
11	St. Abbs Head	03·7	-2	W	3	b-bc	52	65	39	7	1	-	-	2-3	2-3	3000	0	2
	Leuchars ...	01·0	-18	WSW	5	b-bc	53	45	32	9	2	6	-	2-3	2-3	3000	0	*
12	Renfrew (Abbotsl.)	03·3	-20	W'S	4	c	49	65	38	8	8	6	2	4-6	9	2000	0	*
	Eskdalemuir ...	03·2	-14	W'S	5	bc	47	45	26	8	7	4	-	4-6	4-6	2600	0	*
	Point of Ayre ...	05·1	-14	N	2	b	65	55	38	8	1	4	-	1	1	3000	0	2
13A	Tiree	02·7	-10	W'N	4	rain	40	92	39	8	5	2	-	9+	10	1500	1	3
13B	Stornoway ...	00·0	0	NSW	4	pr	40	75	32	7	3	6	3	7-8	9	2200	1	
15	Dalwhinnie ...	00·5	-20	SW	3	pr	38	85	34	8	5	-	2	4-6	9+	2500	1	*
	Aberdeen ...	00·7	-24	SSE	3	drizzle/pr	48	65	35	7	8	-	-	7-8	7-8	2500	1	3
	Wick ...	99·3	-30	NNE	1	pr	39	85	34	6	9	-	-	9+	9+	800	1	*
16	Sumburgh ...	98·8	-14	WSW	3	c-bc	45	85	42	8	3	6	3	7-8	7-8	2500	0	3
17	Blacksod Point	09·7	-6	W'N	5	bc/pr	46	85	42	7	9	-	2	4-6	4-6	2500	1	4
18	Malin Head ...	04·3	-18	WNW	5	pr	41	85	37	8	8	-	-	7-8	7-8	2500	1	3
	Aldergrove ...	05·8	-14	W'S	3	c-bc/pr	45	85	41	8	3	6	3	4-6	7-8	2500	1	*
19	Birr Castle ...	09·4	-6	WNW	2	c-bc	52	85	48	8	8	-	-	7-8	7-8	1500	0	*
20	Valentia Obsy.	13·4	-6	NW	4	c-bc/pr	50	75	42	8	8	6	-	7-8	7-8	2500	1	4
	Roches Point	10·8	-10	N	4	bc	52	75	44	8	3	-	-	4-6	4-6	1500	1	4

PAST 24 HOURS: WEATHER.

District	Stations. (For heights see p. 4.)	7h.–13h. 6th (39)	13h.–18h. 6th (40)	18h. 6th to 1h. 7th (41)	1h.–7h. 7th (42)
1	London (Kew)	c z₀	c i r₀ u z₀	c z₀ y	c, b x b z₀
	Croydon ...	c m₀ c z₀ y	c z₀ i r₀	c z₀ y b c z₀	b c
	S. Farnborough	c m₀ z₀ i r₀	i r c b c c z y	c b c z y b z₀	b z₀ m₈ x b
	Boscombe Down	c m₀	c y b c y	b c y b c b	b b m₈ b
	Thorney Island	c m₀ i r₀ z₀	c z₀ c	c b c b z₀	b x b
	Lympne ...	b c m₀ z₀ c z₀	b c c	c b, c m₈ w	b c m₈ w b m₀
	Manston ...	c m₀	c m₀ c	c i r₀ b c m₀	c m₈ b c z₀
2	Shoeburyness ...	c m₀ f c ·	c z₀	c z₀ c z	b c
	Felixstowe ...	b c z₀ c z₀	c c m₀	c z₀ b c m₀	b c m₈ b m₈
	Gorleston ...	c	c	b c b w	b c w b
	Gorleston ...	c m₀ c	c z₀ c b c	b z₀ c b	b b m₈ x b c m₈
	Mildenhall ...	d r c r₀ r b c z₀	b c z₀ c y	c y b b c m₀	b c m₈ b c b m₈
	Cranwell ...	c b c	b c	b c b	b
3	Birmingham ...	r₀ r₀ m₀ c m₀	c z₀ y	b c	b c b
	Upper Heyford	c b c y c y	c v y	b c v y b	b b c b
4	Ross-on-Wye	c b c	b c c	b c b	b b c
5	Hartland Point	c g r₀ m₀ c	c c y	y c b c w	b w b m₈ w b x
	Bristol ...	c	c	b c b c	b c b c
	Portland Bill ...	c i r₀ c	c c y c	b	b x m₈ b c m₈
	Plymouth ...	c p r c	c b c	b c	b c p r c
	The Lizard ...	c	c b c	b c b	b c b p₀ c
	Scilly (St. Mary's)				
	Guernsey ...				
6	Pembroke ...	c b c q	b c	b c q	b c q
7	Holyhead (Valley)	c b c	b c	c j p c b	b c b b c
	Chester (Sealand)	c y	c b c, b, y	B b b c	b c c p r g b c
8	Manchester ...	c m₀ b c z₀ y	b c y	b y c z₀ m₀ c p r c m₀	
10	Spurn Head ...	c	c	b c	c
	Catterick (Sc) ...	c	c y	b c y b c c	b b c
	Tynemouth ...	c	c p r₀	b c b	b c
11	St. Abbs Head	c b c	b c	b c	b c
	Leuchars ...	c b c y	p b c y	b c c b c p r₀ b	c b b c b
12	Renfrew (Abbotsl.)	c y r h. r o g h c	b c y c y p r b c	o # p r₀ b c b c p r g b c	
	Eskdalemuir ...	c b c y	b c y p h₀	b c y p R c	c p R b c
	Point of Ayre ...	c b e b	b y	b p r c b	b b c c b
13A	Tiree	b c p r.	c p r o p h	r o b c r₀ b c p r b c	b c c p r
		b c c p r		c p r h₀ c t c	b c c p r₀
13B	Stornoway ...	b c p r c y	b c p r o c	*	c o p 3 c
15	Dalwhinnie ...	c b c e j p	c p r o c y	c p r	↓ ↓ s s ↑ ↑
	Aberdeen ...	c b c	c p h r	b c c b c	b c c w
	Wick ...	b c c p r o c b c	b c p h o c	c p r o c b c	b c
16	Sumburgh ...	c	p r	p r	p r
17	Blacksod Point	b c	p r	t l r	p r
18	Malin Head ...	b c p r o b b c e	c y t h o p r o c	b c b b c	b c p r₀ c b
	Aldergrove ...				
19	Birr Castle ...	p r	c	· *	b c
20	Valentia Obsy.	p r	p r	p r	p r
	Roches Point	p r	p r	p r	b

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Winds mainly west or southwest fresh to strong. Fair at first. Cloudy with some rain later. Rather cold.
5 S.W. England 6 South Wales 7 North Wales	Wind southwesterly, backing southerly, veering westerly later. Strong gale force locally, cloudy at first with rain later today. Showers and fair intervals by end of period. Rather cold.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Winds variable, mainly northwesterly moderate to fresh. Fair at first, becoming cloudy with occasional rain. Local showers later. Rather cold.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Winds mainly northerly, moderate; local showers with bright intervals. Cold.
16 Orkneys and Shetlands 17 N.W. Ireland	As 13A-15
18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 5-7.

GENERAL INFERENCE

Pressure is low to northeast of the British Isles and high at the Azores. A rapidly declining depression to the west of Ireland is expected to move east or southeast across Southern England.

FURTHER OUTLOOK

Cold northwesterly winds, showers and bright intervals.

Forecasts issued at 1030

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

7h. Friday 7th May 1943.

10° 5°W. 0° 5°E. 10°

60° 55° 50°

Low

High

994 996 998 1000 1002 1004 1006 1008

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

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

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Weather in past hour

Past weather

Scale 1 : 5,000,000

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

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Friday 7th May

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Friday 7th May 1943 — No. 29751

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	44	*	*	*	*	*	*	*	*	*
	Croydon ...	290	07·3	+10	W'S	2	z_0	44	75	35	6	5	-	-	2-3	2-3	6500
	S. Farnborough	226	06·7	+2	WNW	2	z_0	40	75	31	6	-	-	-	0	0	-
	Boscombe Down	417	07·8	+2	WNW	2	b	37	85	32	7	-	-	1	0	1	-
	Thorney Island	10	07·2	-6	NW'N	3	z_0	42	75	34	6	-	-	-	0	0	-
	Lympne ...	283	06·1	-2	NW	2	z_0	44	87	43	6	5	2	-	4-6	10	2000
	Manston ...	154	04·5	+2	NNW	1	z_0	47	86	43	6	5	-	-	9	9	5700
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	04·5	-2	WNW	3	z_0	44	92	42	6	-	7	-	0	4-6	-
	Gorleston ...	5	04·3	-2	WNW	3	b	41	85	37	7	-	-	-	0	0	-
	Mildenhall ...	15	05·1	-2	W'N	3	b	39	92	36	7	5	-	-	Tr	Tr	4000
	Cranwell ...	203	04·9	-6	SW	2	z_0	37	85	53	6	5	-	-	4-6	4-6	5000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	06·3	-2	NW	2	bc/p	37	75	30	7	-	-	2	0	4-6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	08·3	-8	NNW	4	b	48	85	42	8	1	-	-	Tr	Tr	4000
	Bristol ...	209	07·9	-4	W	1	b-bc	40	85	36	7	-	-	2	0	2-3	-
	Portland Bill ...	32	07·4	+4	SW	4	bc	48	92	47	8	4	-	-	4-6	4-6	4000
	Plymouth ...	82	10·1	-6	-	0	b	39	92	37	7	-	-	-	0	0	-
	The Lizard ...	240	10·9	-2	NNW	4	b-bc	46	85	40	8	2	-	-	2-3	2-3	2500
	Scilly (St.Mary's)	163	11·4	-4	NW'N	4	b	48	85	44	8	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	08·6	-4	NW	4	b-bcq	47	85	44	8	1	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	06·4	-6	WNW	4	b	44	75	37	8	1	-	-	1	1	2000
	Chester (Sealand)	16	05·7	-20	W	2	b-bc	45	85	40	7	5	-	-	2-3	2-3	4500
8	Manchester ...	235	05·0	-14	S	3	z_0	38	85	33	6	9	-	-	7-8	7-8	2000
10	Spurn Head ...	29	03·9	-14	W'S	3	b-bc	45	85	40	7	1	-	-	2-3	2-3	2500
	Catterick (Sc)...	192	03·0	-10	WSW	1	c	40	85	36	7	8	2	-	7-8	10	2500
	Tynemouth ...	108	02·2	-10	NW	4	bc	43	75	37	7	5	-	-	4-6	4-6	2500
11	St. Abbs Head	280	99·4	-16	SW	4	bc	39	97	38	7	5	-	-	4-6	4-6	2500
	Leuchars ...	36	97·6	-18	W	4	pr	39	85	36	8	1	-	-	4-6	4-6	2000
12	Renfrew (Abbotsl.)	19	01·1	-10	-	0	b-bc/pr	36	92	34	7	8	-	-	2-3	2-3	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	03·4	-8	NW'W	4	b-bc	48	86	38	8	2	-	-	2-3	2-3	2000
13A	Tiree	44	00·6	-10	W'N	5	pr	39	85	33	8	9	-	-	9	9	2000
13B	Stornoway ...	15	98·9	-6	WNW	1	c-bc	37	97	35	8	8	-	-	7-8	7-8	2200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	97·3	-20	-	0	pr	40	85	37	7	3	-	-	10	10	3000
	Wick ...	114	98·3	-14	-	0	b-bc	35	92	33	8	8	3	-	2-3	2-3	1000
16	Sumburgh ..	19	96·8	-12	WNW	3	bc	42	85	39	8	2	-	-	4-6	4-6	2000
17	Blacksod Point	18	08·1	-12	WNW	4	c-bc/pr	43	85	39	8	9	-	-	7-8	7-8	2500
18	Malin Head ...	84	02·4	-6	NW'W	5	bc/pr	42	75	34	8	9	-	-	4-6	4-6	2500
	Aldergrove ...	268	04·6	+4	W	3	bc	38	85	34	8	3	-	-	4-6	4-6	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	11·3	-16	NW'W	4	bc/pr	47	75	39	8	8	-	-	4-6	4-6	2500
	Roches Point	22	10·4	-10	NW'W	3	b	46	85	41	8	5	-	-	1	1	1500

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

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)	05·8	+2	WSW	2	z_0	44	65	34	6	-	-	-	0	0	-	1	*
	Croydon ...	06·8	-2	SW	3	b	45	75	36	7	-	-	-	0	0	-	0	*
	S. Farnborough	06·2	-2	W'N	3	b	44	85	39	8	-	-	-	0	0	-	0	*
	Boscombe Down	07·3	+2	W'N	3	b	45	85	40	7	-	-	-	0	0	-	0	*
	Thorney Island	07·2	+2	W'N	3	b	45	85	39	8	-	-	-	0	0	-	0	*
	Lympne ...	05·8	+6	NW'W	2	z_0	44	65	34	6	-	-	-	0	0	-	0	3
	Manston ...	05·7	+12	W'N	1	z_0	46	92	43	6	-	-	1	0	Tr	-	0	*
2	Shoeburyness ...	06·0	0	W	3	z_0	46	65	36	6	-	-	-	0	0	-	0	*
	Felixstowe ...	04·3	+2	WNW	3	z_0	45	65	33	6	-	-	-	0	0	-	0	3
	Gorleston ...	04·2	-2	WNW	3	b	39	85	36	7	-	-	-	0	0	-	0	2
	Mildenhall ...	04·3	-2	W	3	z_0	42	85	37	6	-	-	-	0	0	-	0	*
	Cranwell ...	03·3	-6	W'S	4	z_0	42	75	36	6	-	7	-	0	Tr	-	0	*
3	Birmingham ...	05·0	-2	W	3	b	43	75	35	8	-	-	-	0	0	-	0	*
	Upper Heyford	05·1	-4	W'N	3	b	44	75	35	8	-	-	-	0	0	-	0	*
4	Ross-on-Wye	06·2	-4	W	2	b	46	66	35	8	1	-	-	Tr	Tr	3500	0	*
5	Hartland Point	07·3	-6	WNW	3	c-bc	48	75	42	8	1	-	6	4-6	7-8	2800	0	4
	Bristol ...	07·4	-2	WNW	2	b	45	85	42	7	1	-	2	Tr	Tr	2500	0	*
	Portland Bill ...	07·5	+8	WNW	4	bc	48	85	44	8	2	-	-	4-6	4-6	4000	1	4
	Plymouth ...	09·1	-4	WNW	2	z_0	46	85	42	6	8	-	6	2-3	4-6	2500	0	2
	The Lizard ...	09·9	-4	NW	3	c-bc	47	75	40	8	8	6	-	7-8	7-8	2500	1	4
	Scilly (St.Mary's)	09·8	-8	WNW	4	c-bc	48	75	40	8	2	6	5	7-8	10	1600	0	4
	Guernsey ...																	
6	Pembroke ...	06·4	-10	NW	3	bcq	47	85	42	8	2	4	-	4-6	4-6	2500	0	3
7	Holyhead (Valley)	04·7	-16	W'S	4	bc	45	65	35	8	1	-	1	2-3	4-6	4000	0	3
	Chester (Sealand)	04·3	-10	W	3	bc	45	65	33	8	2	-	-	4-6	4-6	2500	1	*
8	Manchester ...	03·8	0	SW	3	z_0	41	85	37	6	2	6	3	4-6	7-8	2500	1	*
10	Spurn Head ...	02·6	-2	W'S	5	c-bc	44	75	36	7	7	-	-	7-8	7-8	2500	0	3
	Catterick (Sc)...	01·1	-4	W	3	bc	42	75	33	8	3	3	3	4-6	4-6	3000	1	*
	Tynemouth ...	00·2	-8	W	4	b-bc	41	75	33	7	2	-	-	2-3	2-3	2500	0	3
11	St. Abbs Head	97·3	-6	W	4	b-bc	39	92	36	8	2	4	-	2-3	2-3	3500	0	3
	Leuchars ...	97·0	0	W'N	4	b	45	75	35	8	5	-	-	Tr	Tr	3000	1	*
12	Renfrew (Abbotsl.)	99·4	-6	W	3	bc	40	85	35	8	3	6	-	2-3	4-6	2000	1	*
	Eskdalemuir ...	98·9	-4	SW'S	3	c-bc	35	85	32	8	8	-	-	7-8	7-8	1800	1	*
	Point of Ayre...	02·0	-4	NW	5	b-bc	42	85	37	8	2	4	-	1	2-3	3000	0	4
13A	Tiree	99·1	-4	NW	4	bc/pr	42	85	38	9	3	-	3	4-6	4-6	1500	1	3
13B	Stornoway ...	97·5	-6	WNW	1	bc/ps	37	92	35	8	3	-	3	4-6	4-6	1500	1	1
15	Dalwhinnie ...	97·5	-4	N	1	c-bc	33	85	29	8	5	-	-	7-8	7-8	1500	4	*
	Aberdeen † ...	95·1	-6	NW	3	++	35	97	35	6	6	2	-	4-6	10	800	4	2
	Wick ...	96·2	-6	WNW	2	c-bc	37	92	36	8	3	7	3	7-8	7-8	1500	1	*
16	Sumburgh ..	04·9	-6	N'W	2	c-bc	43	85	39	9	2	4	3	4-6	7-8	2000	1	3
17	Blacksod Point	03·2	-28	W	2	bc	46	65	35	8	8	-	-	4-6	4-6	2500	1	2
18	Malin Head ...	00·2	-8	NW'W	5	pr	48	75	35	8	9	-	-	7-8	7-8	1500	2	4
	Aldergrove ...	01·7	-14	W'S	3	b-bc	40	75	33	8	8	6	-	2-3	2-3	2000	1	*
19	Birr Castle ...	05·1	-16	WSW	2	bc	42	92	40	8	5	-	-	4-6	4-6	2500	0	*
20	Valentia Obsy.	06·3	-30	SSW	2	c/pr	46	85	42	9	5	2	-	7-8	10	1500	1	3
	Roches Point	07·2	-14	WNW	3	bc	44	85	40	8	5	-	5	2-3	4-6	2500	1	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 6th Hrs. (38)
1	London (Kew)	53	40	28	Tr	-	0·2
	Croydon ...	57	37	29	Tr	-	1·1
	S. Farnborough	56	30	21	Tr	-	1·1
	Boscombe Down	56	34	29	-	-	1·9
	Thorney Island	56	37	27	-	-	*
	Lympne ...	58	37	32	-	-	4·5
	Manston ...	56	42	37	-	-	2·5
2	Shoeburyness ...	58	39	32	-	-	0·2
	Felixstowe ...	60	41	36	-	-	5·
	Gorleston ...	55	39	34	-	-	4·1
	Mildenhall ...	55	35	31	-	-	1·8
	Cranwell ...	56	36	34	0·1	-	4·1
3	Birmingham ...	54	39	25	-	-	8·9
	Upper Heyford	56	35	33	0·4	-	*
4	Ross-on-Wye	55	39	29	-	-	5·2
5	Hartland Point	49	45	43	-	-	8·4
	Bristol ...	56	38	24	Tr	Tr	3·8
	Portland Bill ...	55	45	*	-	-	*
	Plymouth ...	54	36	26	-	-	5·2
	The Lizard ...	54	43	*	Tr	0·3	8·2
	Scilly (St.Mary's)	55	46	*	-	Tr	9·4
	Guernsey ...						
6	Pembroke ...	52	44	*	-	-	7·6
7	Holyhead (Valley)	54	41	38	-	-	*
	Chester (Sealand)	51	42	28	-	0·6	10·3
8	Manchester ...	54	37	29	-	2	*
10	Spurn Head ...	50	41	*	1	-	3·5
	Catterick (Sc)...	54	33	27	Tr	0·3	6·3
	Tynemouth ...	48	39	35	Tr	-	*
11	St. Abbs Head	52	36	*	-	-	*
	Leuchars ...	57	35		-	1	11·2
12	Renfrew (Abbotsl.)	55	35	26	0·2	1	9·7
	Eskdalemuir ...	53	32	29	Tr	2	10·6
	Point of Ayre...	55	41	*	-	0·4	10·6
13A	Tiree	50	36	32	4	1	6·8
13B	Stornoway ...	49	28	29	0·6	2	8·4
15	Dalwhinnie ...	50	29	24	1	3	8·3
	Aberdeen † ...	51	33	31	0·1	17	7·7
	Wick ...	51	33	29	6	4	*
16	Sumburgh ..	47	38	33	0·2	1	9·9
17	Blacksod Point	53	41	*	2	1	*
18	Malin Head ...	50	39		2	3	8·3
	Aldergrove ...	53	35	33	3	0·3	9·4
19	Birr Castle ...	55	34	29	0·5	0·3	9·1
20	Valentia Obsy.	52	44	39	2	2	9·7
	Roches Point	55	43	*	0·5	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 6th May ..... 18h. G.M.T. — 01h. G.M.T. 7th May ..... 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
109	30	02864	22485	86	02854	23425	5-	01854	00014
115				87	02844	24587	57	02844	24185
203				8-	26945	24485			
206	20	02965	55585	26	25964	22385	57	02854	24215
210	20	01964	24314				62	62858	26268
219	96	10955	19486				30	01954	30384
230	86	01963	20484				91	27855	22285
245	30	02964	14415	26	01964	26384	82	25767	22188
260	2-	01863	24314	20	01863	24313	00	00790	20210
278	24	01853	27323	86	25955	21387	3-	81248	26588
279	20	02965	26325	36	25964	22584	43	02354	24395
285	23	01854	30515						
288	27	11655	03227	20	01863	23413	3-	81758	25228
575	8-	81856	63316	36	81654	28385	20	01853	32283
301	10	01862	29425	10	01851	24311	20	01854	57524
321	86	02764	31225	86	02765	30325	00	05690	24210
2.9	80	01744	28414	84	01744	32314	50	01751	22201
292	23	02755	32328	44	01954	28214	3-	81856	24286
310									
614				00	05690	28325	00	05690	24200

13h. G.M.T. 6th May ..... 18h. G.M.T. — 01h. G.M.T. 7th May ..... 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
333	2-	02865	30425	53	02964	24215	50	01753	24418
334									
340	10	02964	30325	10	01953	30214	10	01852	00012
130	57	02843	32328	10	01852	02263	00	05690	22210
336				10	01762	28312			
350	52	05645	28468	57	05665	28228	00	05690	22110
368	23	02884	32316	40	02851	30425			
379	10	05665	30425	14	01763	30524	00	00790	26300
390	77	05674	30428	53	05663	32365	00	05590	28210
382	13	05664	02325	77	02864	30425	00	00890	28200
438	77	05554	01415	57	05644	32418	52	02745	20228
430	57	05665	30368	53	05664	30226	04	01790	00018
409	27	02854	32628	10	01952	29523	10	01852	30402

	C_L C_M	wwVhN$_h$	DDFWN
111	24	02854	25315
	--	25648	24313
340	20	01852	28282
130	10	01751	24311
336	10	01764	28414
350	00	00790	24310
368	84	01753	24103
379	10	01751	26201
390	00	05690	24300
382	00	00820	24800
438	04	01790	20312
430	04	01790	22201
409	26	25853	26388

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 7th May
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_0	$ci\ r_0\ uz_0$	$cz_0\ xbz_0$	Kew 24 hours ending 9h. Max. Value
Croydon ...	$cm\ cz_0\ y$	$cz\ ir_0$	$cz_0\ bcz_0$	0·2 17·5 6th
Greenwich ...	cy	cyc	oby	Min. Time
Camden Square ...	c	c	*	40 to 9 hrs 7th
Kensington ...	cb cc	c	*	
Hampstead ...	*			

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs	Humidity 15h %	Humidity 9h %
						Yesterday	To-day	
Kew ...	55	40	26	Tr	-	0·2	*	*
Croydon ...	57	37	29	Tr	-	1·1	*	*
Greenwich ...	58	38	25	-	-	1·0	69	53
Westminster ...	60	39	34	-	-	*	67	55
Regents Park ...	54	39	39	-	-	*	77	63
Camden Square ...	58	40	33	-	-	*	*	77
Kensington ...	58	38	26	-	-	*	63	51
Hampstead ...							*	

Page 1 **BRITISH SECTION**

Saturday 8th May 1943

SECRET

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

No. 29752

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	04·1	-10	WSW	4	cbc	55	35	30	8	8	-	1	7-8	7-8	1500
	Croydon	05·5	-10	WSW	4	cbc	57	35	32	8	1	-	5	7-8	7-8	4000
	S. Farnborough	04·6	-10	W	4	cbc	57	35	30	8	1	-	5	4-6	7-8	2500
	Boscombe Down	05·8	-8	W'S	3	c	53	55	40	8	8	-	2	7-8	9	3000
	Thorney Island	06·4	-4	SW	4	cbc	56	55	41	8	2	-	3	7-8	7-8	4000
	Lympne	04·9	-6	SW'W	3	cbc	54	65	41	8	2	-	-	7-8	7-8	2500
	Manston	04·4	-6	NW'N	3	bc	51	75	44	8	2	-	-	4-6	4-6	3000
2	Shoeburyness	05·5	-4	WSW	3	cbc	57	45	33	8	2	-	-	7-8	7-8	2500
	Felixstowe	03·5	+12	WNW	4	cbc	55	45	35	8	8	-	-	7-8	7-8	4500
	Gorleston	02·8	+2	NW'W	4	cbc	54	25	26	7	8	-	-	7-8	7-8	1200
	Mildenhall	03·1	-10	WSW	5	cbc	57	35	32	8	2	-	-	7-8	7-8	2500
	Cranwell	01·9	-8	W	5	cbc	54	25	23	8	2	-	-	7-8	7-8	3000
3	Birmingham	03·0	-10	WSW	4	cbc	53	35	28	8	7	-	5	4-6	7-8	4000
	Upper Heyford	02·9	-14	W'S	4	bc	57	35	31	8	1	-	1	4-6	4-6	2800
4	Ross-on-Wye	03·6	-16	SW'W	4	c	54	45	32	8	7	-	7	4-6	9+	3500
5	Hartland Point	03·5	-30	W	4	c	49	75	42	8	2	-	7	4-6	10	2000
	Bristol	03·6	-16	SW'W	4	c	54	45	31	8	7	-	7	4-6	9+	4000
	Portland Bill	06·6	-8	SW	3	cbc	51	85	47	8	2	-	-	7-8	7-8	4000
	Plymouth	06·5	-18	SW	4	c/pr	53	65	42	7	8	4	7	2-3	9+	2500
	The Lizard	06·6	-20	N'E	4	cbc	53	65	42	8	2	6	-	7-8	7-8	2000
	Scilly (St. Mary's)	04·9	-34	SW'S	5	c	52	65	42	8	8	2	-	7-8	10	1800
	Guernsey															
6	Pembroke	02·7	-30	S	4	c	50	85	45	8	8	7	-	4-6	9	2500
7	Holyhead (Valley)	01·2	-28	SW'S	4	c	50	85	45	8	4	-	7	2-3	10	5000
	Chester (Sealand)	03·0	-8	W	3	c	53	35	33	8	2	-	6	4-6	9	2500
8	Manchester	01·9	-14	W	4	bc	49	45	29	8	2	-	5	4-6	4-6	3000
10	Spurn Head	00·6	-10	NW'W	6	cbc	48	65	36	7	8	-	-	7-8	7-8	2500
	Catterick (Sc)	00·0	+2	SW	4	cbc/pr	48	65	35	9	3	6	-	4-6	7-8	2500
	Tynemouth	98·9	-6	W	6	cbc	49	55	33	7	2	-	-	7-8	7-8	2400
11	St. Abbs Head	96·8	-6	WNW	4	bc	46	65	34	7	2	-	-	4-6	4-6	3500
	Leuchars	95·8	-8	W'N	4	cbc	50	55	32	9	2	-	-	7-8	7-8	2500
12	Renfrew (Abbots I.)	97·7	-10	NW'W	1	cbc	48	65	36	8	3	6	3	7-8	7-8	2000
	Eskdalemuir	98·2	0	SW'S	4	phr	44	65	34	8	8	-	-	9	9	1500
	Point of Ayre	99·2	-26	W'N	5	c	55	45	34	8	2	-	6	1	9+	3000
13A	Tiree	97·3	-14	N'E	1	cbc	46	65	36	9	2	-	8	7-8	7-8	3000
13B	Stornoway	96·9	-8	NE	3	cbc	45	85	40	8	2	6	-	4-6	7-8	1800
15	Dalwhinnie	97·0	-10	SW	3	c	47	65	36	8	8	-	-	9	9	2500
	Aberdeen	95·1	+6	NW	4	bc/phr	45	75	36	8	8	-	-	4-6	4-6	2500
	Wick	96·0	+4	N	4	pr	40	85	37	8	9	-	3	7-8	9	2500
16	Sumburgh	94·6	0	NE	4	c/phr	42	92	39	9	9	6	-	7-8	9	2000
17	Blacksod Point	92·8	-64	SE'S	4	rr	45	85	41	8	6	2	-	4-6	10	2500
18	Malin Head	96·8	-22	W	2	c	46	65	35	8	9	1	-	4-6	9+	1500
	Aldergrove	98·4	-26	W'S	2	c	48	55	31	9	8	1	-	2-3	10	2500
19	Birr Castle	96·3	-46	SSW	3	ir	45	92	48	7	5	-	-	10	10	800
20	Valentia Obsy.	92·1	-30	S	6	rr	45	97	44	7	6	2	-	9	10	1500
	Roches Point	98·0	-58	SSW	5	ir	47	85	43	8	6	2	-	4-6	9+	1500

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

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)	00·3	-10	SW'S	5	c	52	55	38	8	8	1	-	1	9+	1500	0	*
Croydon	02·9	-10	S'W	4	c	51	65	38	7	1	4	7	2-3	10	2500	0	*
S. Farnborough	00·9	-18	SW'S	4	c	51	55	37	8	7	7	-	2-3	9	2000	0	*
Boscombe Down	00·9	-28	SSW	5	c	49	75	40	8	2	2	-	7-8	10	4000	0	*
Thorney Island	02·6	-22	SW'S	4	c	51	65	40	9	1	1	7	4-6	10	3000	0	*
Lympne	03·4	-10	SW	4	c-bc	51	65	39	8	1	-	6	Tr	7-8	2500	0	§3
Manston	02·5	-10	SW	4	c	53	65	41	8	2	-	6	Tr	9	3000	0	*
Shoeburyness	03·2	-20	SW	5	c	54	65	41	8	2	-	6	2-3	9	4000	0	*
Felixstowe	00·7	-16	SSW	5	c-bc	57	45	41	8	7	7	-	4-6	7-8	5500	0	3
Gorleston	00·8	-14	WSW	2	bc	53	35	39	7	2	7	-	4-6	4-6	2200	0	3
Mildenhall	00·4	-18	SW	3	c	55	35	41	8	4	4	6	4-6	9	4000	0	*
Cranwell	98·7	-22	SW	4	c	53	45	41	8	1	7	-	2-3	9+	3000	0	*
Birmingham	97·8	-34	S	3	c	51	45	31	8	5	2	7	2-3	10	2500	0	*
Upper Heyford	01·1	-18	SW'S	3	c/pr	56	75	49	7	3	1	-	7-8	10	1800	1	*
Ross-on-Wye	97·9	-26	SW	3	iro	45	85	40	7	6	2	-	7-8	10	2000	1	*
Hartland Point	94·5	-60	SW	6	rr	47	85	43	7	2	2	8	4-6	10	1500	1	5
Bristol	99·2	-34	SSW	5	c	50	75	43	8	1	2	-	1	10	2500	1	*
Portland Bill	01·6	-40	SW	5	c	51	92	49	8	5	-	-	10	10	4000	1	4
Plymouth	98·6	-50	SSW	6	iro	50	75	44	7	8	2	-	7-8	10	1500	1	4
The Lizard	96·5	-40	SW	7	rr	48	92	46	8	5	-	-	10	10	1500	1	5
Scilly (St. Mary's)	92·9	-84	SSW	7	rr	48	85	45	6	5	-	-	10	10	800	1	5
Guernsey																	
Pembroke	91·4	-56	S'W	7	rr	46	97	46	7	8	2	-	7-8	10	2000	1	4
Holyhead (Valley)	93·9	-50	S	5	roro	45	85	41	7	5	-	-	7-8	10	1500	1	3
Chester (Sealand)	97·6	-46	S	1	c/r	47	75	41	7	5	2	-	4-6	10	2000	0	*
Manchester	97·5	-26	SE	4	iro	47	65	36	8	5	2	-	7-8	10	4000	1	*
Spurn Head	99·3	-6	SW'W	3	c	53	35	37	7	7	5	-	4-6	9+	3200	0	3
Catterick (Sc)	97·4	-20	SW	3	c	47	55	30	8	2	7	-	2-3	9+	2500	0	*
Tynemouth	97·3	-12	W	3	c-bc	48	55	33	7	2	3	-	4-6	7-8	2400	1	3
St. Abbs Head	93·5	-4	SE	4	c	46	85	43	7	2	4	-	7-8	9+	3000	0	3
Leuchars	94·7	-6	SE	2	cjp	48	55	34	8	9	7	8	7-8	9+	1500	0	*
Renfrew (Abbots I.)	94·3	-20	SSW	2	c	49	55	36	9	2	-	6	2-3	10	3000	0	*
Eskdalemuir	94·7	-14	SW'S	5	c	45	65	32	8	5	1	-	7-8	9+	1800	1	*
Point of Ayre	93·9	-44	S	4	cjp	48	65	38	7	9	1	-	2-3	10	2000	0	4
Tiree	93·0	-30	E	2	c	46	65	35	9	1	-	7	Tr	10	2000	0	1
Stornoway	95·4	-10	NE	4	c-bc	45	65	32	9	1	-	6	1	7-8	2500	1	2
Dalwhinnie	95·0	-2	N	1	c	41	65	31	8	8	-	8	2-3	9	2500	0	*
Aberdeen	94·9	0	NNE	1	b-bc	46	65	36	8	8	-	3	2-3	2-3	3000	1	2
Wick	94·6	-10	NNE	3	bc	45	65	35	9	8	-	-	4-6	4-6	2500	1	*
Sumburgh	94·4	+2	N	5	bc	44	75	37	9	2	-	-	4-6	4-6	2500	1	3
Blacksod Point	80·6	-70	E	7	RR	43	92	41	6	6	2	-	4-6	10	1500	2	6
Malin Head	90·3	-40	E'S	6	c	45	75	38	8	-	2	-	10	10	1500	1	4
Aldergrove	91·4	-46	S	2	roro	41	85	38	6	6	2	-	4-6	10	600	1	*
Birr Castle	82·5	-104	S	5	c	45	92	43	7	6	2	-	7-8	10	800	1	*
Valentia Obsy.	75·6	-86	SW	7	ir	47	97	47	6	6	-	-	10	10	1500	1	5
Roches Point	81·4	-108	SSW	6	c/r	50	97	49	7	6	2	-	4-6	9	800	1	5

PAST 24 HOURS.

Stations	Weather 7h.—13h. 7th (39)	Weather 13h.—18h. 7th (40)	Weather 18h. 7th to 1h. 8th (41)	Weather 1h.—7h. 8th (42)
London (Kew)	bzobccy	cpocy	crorro	rorrviro
Croydon	bcycy	cyc	czorororrm	rrphpr
S. Farnborough	bbcycybcy	bccy	cbcycrrm	cRrprpm
Boscombe Down	bcycy	c	ccrrmo	crmocro
Thorney Island	bcc	cbcyc	circrrcroro	cmororrc
Lympne	bmobccy	bc	bccr	crrrmcpr
Manston	bbcy	bccy	cirozo	crrirom
Shoeburyness	bczocy	c	c	ccrr
Felixstowe	bm.bcmoc	cybcy	bcybyc	cirom cmo
Gorleston	bcc	cy	bbcor	ororoq
Mildenhall	bmobcycy	ycbcc	cyciro	c
Cranwell	bczobccy	cy	circrromo	cmororo
Birmingham	bbc	bcc	corr	rr
Upper Heyford	bbccy	bcycphr	cerrmo	cmocirorom
Ross-on-Wye	bbcycy	cypocp	rocqrr	cir
Hartland Point	cbcprc	rrc	rrcqprb	cbcrrirq
Bristol	bbcbcy	cycprc	cidmororr	beprcrom
Portland Bill	bcc	cc	prr	orr
Plymouth	bcmoproc	ciro	crrbcb	crriro
The Lizard	cbcc	cprrr	rrc	errc
Scilly (St. Mary's)	cpoc	crr	cpq	cpqc
Guernsey				
Pembroke	bccpr	cprqrr	crrq	rrq
Holyhead (Valley)	bccy	cprorrc	crorom	crorom
Chester (Sealand)	bccbcy	bacyir	rororrm	orrmoc
Manchester	mopry	bccyir	rorovrrm	roriroc
Spurn Head	c	c	oror	iroc
Catterick (Sc)	bccprov	bcc	cyirom	crormoc
Tynemouth	bc	bcpobc	bcoir	oirrr
St. Abbs Head	bc	bcc	cprbcc	crcrr
Leuchars	bbccybcy	bcycy	cprcproc	ccrrmo
Renfrew (Abbots I.)	cbcc	ccy	czoiro	czirmrr
Eskdalemuir	bccph	cpheyc	crsm	crs
Point of Ayre	bbccy	c	crr	rrciro
Tiree	bcc	c	c	c
Stornoway	bcprobc	bcc	cbc	C
Dalwhinnie	c	crr		cproo
Aberdeen	rrcprh	cbcjpb	bbcmrb	bcc
Wick	bccprcpro	cprobc	bc	bcproc
Sumburgh	cproh	pohb=	bcb	vbbc
Blacksod Point	r	r	r	r
Malin Head	pr	c	r	r
Aldergrove	bbcy	cycrro	rrmororm	croro
Birr Castle	r	r	pr	r
Valentia Obsy.	pr	pr	r	pr
Roches Point	r	r		r

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

DISTRICTS.

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

Fresh or strong southwest winds, gale locally, veering northwest. Occasional rain; local thunderstorms; 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 ↑
13A W. Scotland ↑
13B N.W. Scotland ↑
14 Mid Scotland ↑
15 N.E. Scotland ↑

Fresh or strong north or northeast wind, gale locally, backing slowly later; some rain; local thunder; cold.

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

As 7–15

GENERAL INFERENCE

A very deep depression centred over Wales is moving northeast. There will be rain in all districts with local hail or thunder.

Gale warning in operation in districts	1, 2, 10,	time of issue	2040 hrs. 7th May 1943. ↓
" " " "	5, 6, 19, 20,	"	1255 " " " " ↓
" " " "	4, 7, 8,	"	1650 " " " " ↓
" " " "	12, 13a, 13b, 17, 18,	"	1750 " " " " ↑
" " " "	3, 9,	"	1750 " " " " ↓
" " " "	11, 14,	"	0545 8th " " ↑
" " " "	15, 16,	"	1010 " " " " ↑

FURTHER OUTLOOK

Bright intervals and showers with local thunderstorms. Cold.

Forecasts issued at 1030.

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

7h. Saturday, 8th May 1943.

HIGH

1004

1002

1000

998

996

994

992

990

988

986

984

982

980

978

976

974

972

970

968

LOW

HIGH

998

996

994

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 mbs.

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

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

Scale 1 : 5,000,000

Mb

1050

1040

1030

1020

1010

1000

990

980

970

960

950

940

930

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Saturday 8th May

1943.

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. 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 two hours to get double summer time.

E.M.S.

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

Saturday 8th May 1943 — No. 29752

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

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	*	*	*	*	rr	46	*	*	*	*	*	*	*	*	*
	Croydon ...	290	30·9	-66	WSW	5	rr	47	85	42	6	-	2	-	10	10	2600
	S. Farnborough	226	88·3	-74	S'E	5	RR	46	97	44	5	5	-	-	10	10	1500
	Boscombe Down	417	89·5	-82	S'E	6	rr	47	97	47	6	5	-	-	10	10	1000
	Thorney Island	10	89·5	-80	S'E	8	rr	49	92	46	5	6	3	-	1	4-6	1500
	Lympne ...	283	34·0	-54	S'E	6	c	49	65	39	7	-	2	7	0	10	-
	Manston ...	154	95·3	-42	S	5	c	50	75	42	7	5	7	-	2-3	10	4800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	90·9	-54	SSE	7	c	51	75	43	7	-	2	-	0	9+	-
	Gorleston ...	5	95·5	-12	SSW	7	rr	49	85	43	7	6	-	-	9+	9+	800
	Mildenhall ...	15	91·2	-58	SSE	5	rr	49	75	40	7	5	-	-	10	10	5200
	Cranwell ...	203	89·3	-56	SW	6	rr	44	92	41	6	6	2	-	7-8	10	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	86·6	-70	SSE	4	rr	43	92	41	6	5	-	-	10	10	1400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	76·9	-62	SW	7	bc/pr	49	75	41	7	3	-	-	4-6	4-6	800
	Bristol ...	209	83·1	-74	S	5	pr	49	92	47	6	5	7	-	4-6	4-6	1500
	Portland Bill ...	32	88·4	-60	SW	6	rr	48	92	46	7	5	-	-	10	10	2500
	Plymouth ...	82	83·1	-50	W'S	8	b-bc	50	75	43	7	5	-	-	2-3	2-3	2500
	The Lizard ...	240	84·6	-40	SSW	8	c-bc	49	75	42	8	8	-	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	80·8	-42	W'S	9	c-bc/pr	48	85	43	7	5	-	-	7-8	7-8	1500
	Guernsey ...	175															
6	Pembroke ...	142	73·0	-70	SSW	7	rr	46	97	46	7	8	-	-	10	10	2500
7	Holyhead (Valley)	32	75·9	-66	SE'E	5	ir	47	92	45	6	6	2	-	7-8	10	2200
	Chester (Sealand)	16	82·1	-74	SE	4	rr	43	85	43	6	-	2	-	10	10	1700
8	Manchester ...	235	83·7	-74	SE	5	rr	45	85	40	6	6	2	-	4-6	10	1400
10	Spurn Head ...	29	92·1	-42	SSE	6	rr	46	85	42	5	5	-	-	10	10	1500
	Catterick (Sch.)	192	89·5	-36	SSE	3	rr	43	92	41	5	5	2	-	4-6	10	3000
	Tynemouth ...	108	90·0	-36	SE	5	ir	46	92	43	7	6	-	-	10	10	1500
11	St. Abbs Head	280	90·9	-34	ESE	4	c-bc	44	92	42	7	5	-	-	7-8	7-8	4000
	Leuchars ...	36	90·7	-28	ESE	4	c	43	75	37	8	5	7	-	2-3	10	3000
12	Renfrew (Abbotsl.)	19	88·1	-34	ENE	4	ir	43	75	37	7	5	2	-	4-6	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	80·6	-48	SE	7	rr	44	92	42	6	6	2	-	7-8	10	600
13A	Tiree	44	93·6	-18	ENE	5	c-bc	44	85	39	8	-	7	7	0	7-8	-
13B	Stornoway ...	15	93·4	-8	ENE	4	b-bc	41	75	33	9	4	1	8	Tr	2-3	2800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	93·8	-10	-	0	bc	34	85	31	8	1	-	-	4-6	4-6	3000
	Wick ...	114	94·5	-10	SSE	2	bc	39	75	33	9	8	-	-	4-6	4-6	2500
16	Sumburgh ..	19	95·2	+4	NNE	4	b	35	85	31	9	4	-	-	Tr	Tr	2500
17	Blacksod Point	18	80·6	+6	NNE	8	RR	44	85	40	6	6	2	-	4-6	10	1500
18	Malin Head ...	84	83·6	-26	E	8	rr	42	85	38	7	-	2	-	10	10	1500
	Aldergrove ...	268	79·4	-44	NE	5	rr	41	92	39	6	6	2	-	7-8	10	900
19	Birr Castle ...	173	81·1	+64	NW'N	8	ir	46	85	41	7	6	2	-	9	10	2500
20	Valentia Obsy.	30	71·6	-6	W'N	6	c-bc	46	92	44	8	6	-	-	7-8	7-8	1500
	Roches Point	22															

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

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)	28·4	-38	SW'S	5	ir	49	92	47	7	8	-	-	9+	9+	1500	1	*
	Croydon ...	30·8	-20	S	6	pr	47	85	44	6	8	-	-	9	9	1200	2	*
	S. Farnborough	28·9	-38	SW	4	pr	45	92	43	6	9	-	3	7-8	9+	700	1	*
	Boscombe Down	27·2	-30	S'W	5	r	47	85	43	7	6	2	-	9+	9+	800	1	*
	Thorney Island	30·8	-30	SSW	6	r/c	49	85	45	7	5	3	-	7-8	9	1500	1	*
	Lympne ...	34·3	-30	S	4	c-bc/pr	47	95	43	8	9	9	-	4-6	7-8	1000	1	*
	Manston ...	34·2	-46	SSW	6	ir	54	55	39	6	2	6	2	9	9+	300	1	*
2	Shoeburyness ...	33·2	-40	S	6	bc	51	75	43	8	2	2	-	4-6	4-6	1500	1	*
	Felixstowe ...	32·7	-48	SSW	6	c-bc/pr	47	97	47	6	5	3	-	7-8	7-8	1500	1	6
	Gorleston ...	32·8	-54	SSW	8	r/r	47	92	46	6	6	-	-	10	10	600	1	5
	Mildenhall ...	29·4	-48	S'E	5	c	49	85	45	7	5	4	-	7-8	9	2000	1	*
	Cranwell ...	26·5	-56	SSE	6	ir	48	85	43	7	5	-	-	9+	9+	900	1	*
3	Birmingham ...	32·3	-36	SSE	4	ir	44	97	44	5	6	-	-	10	10	800	1	*
	Upper Heyford	25·7	-40	S'W	5	c/r	46	85	42	6	6	-	-	10	10	800	1	*
4	Ross-on-Wye	32·3	-34	S'W	5	c/r	46	85	43	7	9	-	-	9	9	2000	1	*
5	Hartland Point	28·8	+16	W	6	cq	46	85	42	7	8	6	-	9	9+	1000	1	6
	Bristol ...	24·9	-22	WSW	5	ir	47	92	45	7	6	2	-	7-8	10	800	1	*
	Portland Bill ...	29·5	-22	WSW	7	ir	49	92	47	7	5	-	-	10	10	2500	1	6
	Plymouth ...	29·4	+10	W'S	8	pr	48	85	46	6	5	7	-	4-6	9+	1000	1	4
	The Lizard ...	32·3	+18	W	8	c/pr	46	75	41	6	8	2	-	7-8	9+	2000	1	3
	Scilly (St. Mary's)	32·0	+2	W'N	9	c-bc	48	65	39	7	9	6	-	4-6	7-8	1500	1	7
	Guernsey ...																	
6	Pembroke ...	30·2	+2	W	8	rr	45	85	42	7	8	-	-	10	10	2000	1	5
7	Holyhead (Valley)	28·7	-26	NE	2	o/r	46	92	43	8	5	-	-	10	10	4000	1	2
	Chester (Sealand)	30·5	-42	S'E	2	id	47	85	43	6	5	2	-	9+	10	1500	1	*
8	Manchester ...	32·3	-44	SE'E	5	ir	46	85	40	6	5	2	-	7-8	10	1500	1	*
10	Spurn Head ...	27·7	-56	SSE	7	r/r	48	85	44	7	5	-	8	7-8	7-8	1500	1	5
	Catterick (Sch.)	26·9	-44	SSE	3	c	44	85	42	7	5	2	-	9	10	900	1	*
	Tynemouth ...	28·6	-56	ESE	8	rr	44	92	43	7	6	-	-	10	10	800	1	4
11	St. Abbs Head	33·2	-36	E	6	RR	42	97	42	7	5	-	-	10	10	2000	1	5
	Leuchars ...	34·7	-36	ENE	6	rr	41	86	38	6	5	2	-	9	10	700	1	*
12	Renfrew (Abbotsl.)	31·9	-22	NE'E	4	r/r	40	85	37	6	6	2	-	9	10	800	1	*
	Eskdalemuir ...	29·3	-40	NE	5	TS/o	35	92	32	6	-	2	-	10	10	900	1	*
	Point of Ayre ...	32·9	-22	E'S	4	ir	46	92	43	7	6	2	-	9	10	600	1	4
13A	Tiree	36·1	-6	NE	6	c	43	75	36	9	5	7	7	2-3	10	3000	0	4
13B	Stornoway ...	31·5	-8	NE	5	c	43	55	28	9	2	1	6	2-3	9	2500	0	2
15	Dalwhinnie ...	37·0	-18	NE	3	c	35	92	32	7	5	2	-	4-6	10	1500	0	*
	Aberdeen † ...	38·8	-20	S'W	5	c	43	75	35	8	5	2	-	7-8	10	2000	1	4
	Wick ...	32·7	-10	NE	8	c/pr	42	75	34	8	9	-	-	9	9	2500	†	*
16	Sumburgh ..	35·1	+2	NE	4	bc	41	76	33	9	4	-	1	4-6	4-6	2500	0	3
17	Blacksod Point	34·4	+10	N	8	c/r	46	65	35	7	6	-	-	10	10	1500	2	6
18	Malin Head ...	32·2	+2	NNE	8	r+	41	92	39	7	-	2	-	10	10	1500	2	6
	Aldergrove ...	26·3	-6	NE	4	r/r	38	92	37	7	6	2	-	4-6	10	700	1	*
19	Birr Castle ...	27·0	+42	NNW	4	ir	38	92	36	7	6	2	-	7-8	10	800	1	*
20	Valentia Obsy.	26·7	+22	NW	7	pr	45	75	37	8	3	-	3	9+	9+	2500	1	7
	Roches Point	28·1	+34	NNW	7	ir/r	41	92	42	8	6	2	-	4-6	9+	1500	1	5

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F.	Temperature. Min. Night 18h–7h °F	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 7h Hrs. (38)
1	London (Kew)	57	45	43	Tr	6	7·8
	Croydon ...	59	44	41	-	11	11·4
	S. Farnborough	58	45	41	-	12	9·8
	Boscombe Down	58	44	42	-	7	8·2
	Thorney Island	57	46	44	-	5	*
	Lympne ...	57	45	38	-	6	12·6
	Manston ...	59	43	41	-	5	10·8
2	Shoeburyness ...	60	46	43	-	3	11·2
	Felixstowe ...	60	45	45	-	6	11·8
	Gorleston ...	56	46	41	-	5	13·0
	Mildenhall ...	58	45	44	-	2	12·6
	Cranwell ...	56	43	42	-	5	9·1
3	Birmingham ...	54	43	41	-	13	6·9
	Upper Heyford	57	44	37	0·2	4	*
4	Ross-on-Wye	55	46	41	0·4	17	6·0
5	Hartland Point	52	42	44	2	7	4·0
	Bristol ...	56	45	40	0·5	7	7·9
	Portland Bill ...	51	45	*	-	5	*
	Plymouth ...	54	45	44	0·1	11	6·4
	The Lizard ...	54	45	*	2	5	5·9
	Scilly (St. Mary's)	55	45	*	2	24	4·7
	Guernsey ...						
6	Pembroke ...	50	45	*	1	11	2·6
7	Holyhead (Valley)	51	42	41	1	9	*
	Chester (Sealand)	54	44	40	0·1	12	6·7
8	Manchester ...	52	48	41	0·3	5	*
10	Spurn Head ...	53	44	*	-	2	10·1
	Catterick (Sch.)	52	42	35	Tr	8	7·9
	Tynemouth ...	52	43	42	Tr	16	*
11	St. Abbs Head	50	38	*	-	5	*
	Leuchars ...	55	41	36	0·4	3	10·5
12	Renfrew (Abbotsl.)	53	39	36	-	2	9·5
	Eskdalemuir ...	48	33	32	3	19	5·6
	Point of Ayre ...	55	42	*	-	16	8·4
13A	Tiree	48	42	40	-	-	6·4
13B	Stornoway ...	47	36	37	0·1	-	9·5
15	Dalwhinnie ...	48	33	30	Tr	Tr	6·1
	Aberdeen † ...	50	34	30	0·3	Tr	7·1
	Wick ...	46	39	34	1	1	*
16	Sumburgh ..	45	35	29	3	-	11·7
17	Blacksod Point	47	42	*	9	11	*
18	Malin Head ...	48	39	*	Tr	9	3·5
	Aldergrove ...	50	36	35	1	1	4·0
19	Birr Castle ...	49	37	37	1	2	2·7
20	Valentia Obsy.	53	41	41	19	13	0·3
	Roches Point	50	44	*	8	1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 7th May ..... 18h. G.M.T. | 01h. G.M.T. 8th May ..... 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-	81846	30886	30	01853	32313	20	01763	03313	8-	02855	03426
115				24	02954	08325	37	02844	08326	14	02954	08527
203	70	01953	04383	74	02953	04415	14	01853	02314			
206	39	25854	04385	26	10853	08284	80	25863	04214	37	25756	04587
210	30	01954	32314	26	01962	04113	40	01843	00013	27	02954	07688
219	20	02955	07115	40	02952	06327	00	01890	06423	22	02955	04617
230				16	02961	20128	04	01990	32128	62	02865	35428
245	26	27955	24385	86	14744	47387	84	01951	06414	62	62745	05668
260	36	25755	23326	47	02863	20318	02	05668	10328	62	62636	41568
278	36	10946	24387	81	02943	14388	62	62734	41688	62	64733	20768
279	36	10955	22526	17	02951	20818	02	62755	41468	52	62737	40668
285	30	01854	26584							6-	63528	10568
288	3-	01854	55514	27	02862	19327	02	64658	03368	62	02736	43567
575	51	02845	14328	52	62644	32468	62	62735	65668	62	62625	37568
301	10	02853	56586	52	61865	14328	02	61658	45568	9-	64648	08428
321	20	05654	22514	51	05654	20318	02	64658	47568	5-	02857	45467
2.3	8-	25746	26786	84	01753	24214	5-	62766	20566	8-	22748	12668
292	30	01954	21424	57	02942	00018	62	64656	12368	5-	02744	12827
310	--	01645	24415							--	66428	10568
614				14	02752	20328	5-	64648	47568	52	61646	45328

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

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	57	02865	17428	62	64644	50668	5-	22648	46668	62	62646	80067
334	--	02646	28317							--	02645	22316
340	21	02955	24316	52	61854	18368	62	64644	12568	5-	62748	14868
136	20	01854	24414	56	02865	22317	62	62634	16468			
330	57	02764	24417	52	02756	20428				52	25754	20488
350	2-	02855	24325	57	61856	19368	52	64655	47668	5-	22734	16567
368	87	02854	22317	57	02854	57568	5-	02644	24524	5-	62637	53627
379	1-	02856	22527	57	27754	22488	62	62627	49968	62	64535	20688
390	20	02765	22415	57	26663	18286	52	61545	47668	86	22644	15465
388	8-	02865	22325	87	02964	03588	5-	62648	48568	60	22835	81565
438	20	01763	24513	17	01761	22514	8-	14755	20615			
430	26	02864	20325	57	02754	53427	5-	64444	48768	62	22735	51767
409				52	64844	51768	5-	62648	52768	9-	25735	57867

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

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

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LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h. Max. Time of Min. Time
Kew ...	bzbcqy	cprocy	cr/ro	
Croydon ...	bcycy	cyc	czphpr	
Greenwich ...	bcy	bcc Obycrrcq		
Camden Square	b	bc	*	
Kensington ...	bc	bc	*	
Hampstead ...	bc	bcar	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 % Today	Humidity 9h % Today
Kew	57	45	43	Tr	6	7·8	*	*
Croydon ...	59	44	41	-	11	11·4	*	*
Greenwich ...	59	45	41	-	7·6	10·0	36	85
Westminster ..	59	46	43	4·5	*	4·5	81	
Regents Park ...	59	46	43	-	4·6	*	46	89
Camden Square	59	46	43	-	4·1	*	*	74
Kensington ...	59	46	43	-	4·8	*	58	79
Hampstead ...	57	44	41	-	4·2	*	*	87

SECRET

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

Sunday 3rd May 1943

No 29753

BRITISH SECTION

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

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)	77·0	-4	NW	5	c/pr	51	75	42	6	9	-	3	7-8	9	800
	Croydon ...	78·9	-4	S	5	c	50	65	40	7	9	-	-	4-6	9	1300
	S. Farnborough	77·8	+6	SW'W	6	pr	48	75	41	7	8	7	-	9	9+	1600
	Boscombe Down	77·4	+6	SW	6	pr	47	85	41	7	8	2	-	9	10	1200
	Thorney Island	80·8	+4	SW	7	c/r	51	75	43	7	8	3	-	7-8	9	1500
	Lympne ...	82·3	-20	SE'S	6	PR	49	85	42	6	9	-	-	10	10	700
	Manston ...	81·6	+2	SW'S	8	c-bc/pr	52	65	40	7	9	6	3	4-6	7-8	800
2	Shoeburyness ...	80·1	-6	SW	7	c/pr	49	85	44	6	2	7	-	7-8	9	1600
	Felixstowe ...	79·0	-2	SW'S	7	pr	46	97	46	6	8	2	-	4-6	9	1500
	Orfordness ...	78·0	-24	SW'S	8	cq	52	85	46	7	5	-	-	9+	9+	1000
	Mildenhall ...	75·3	-14	SSW	6	c/pr	50	75	43	8	8	-	-	9+	9+	1500
	Cranwell ...	71·4	-18	SSW	6	c-bc/pr	54	65	43	8	3	-	-	7-8	7-8	1500
3	Birmingham ...	70·3	-8	SSW	4	rr	45	92	43	7	6	-	-	10	10	800
	Upper Heyford	73·7	-10	SW	5	pr	45	85	41	7	2	7	-	7-8	10	800
4	Ross-on-Wye	72·6	0	WSW	5	pr	48	75	42	8	6	7	-	9	9+	2000
5	Hartland Point	78·9	+30	WNW	6	cq	45	85	39	7	8	-	-	9+	9+	800
	Bristol ...	76·7	+16	W	6	rr	44	97	43	6	9	-	-	10	10	800
	Portland Bill ...	80·6	+12	WSW	7	c	48	92	46	7	5	-	-	10	10	4000
	Plymouth ...	82·1	+14	W	8	TLR	47	85	43	6	5	2	-	9	10	1000
	The Lizard ...	85·6	+22	W	8	c	51	65	40	7	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	85·4	+14	WNW	9	c-bc	51	65	39	7	3	6	1	4-6	7-8	1500
	Guernsey ...															
6	Pembroke ...	77·1	-36	NW	6	c/r	44	85	39	7	8	1	-	9+	10	2000
7	Holyhead (Valley)	70·7	+20	NW	5	c/r	46	92	43	6	6	2	-	4-6	10	400
	Chester (Sealand)	68·4	-2	N	3	c	51	75	44	7	8	7	-	9	9+	2000
8	Manchester ...	69·0	-6	SSE	3	pr	48	85	44	7	2	6	-	7-8	10	2500
10	Spurn Head ...	72·6	-18	S'W	6	PR	49	85	44	7	3	-	-	9+	9+	800
	Catterick (Sc) ...	70·8	-24	SE	3	c/r	49	85	44	6	5	2	-	7-8	10	1000
	Tynemouth ...	73·2	-20	ESE	6	c/r	47	55	31	7	8	-	-	9+	9+	1500
11	St. Abbs Head	75·8	-42	NNE	5	c/r	44	97	44	6	6	2	-	7-8	10	1500
	Leuchars ...	79·6	-26	NNE	8	RR	40	92	39	6	5	-	-	10	10	600
12	Renfrew (Abbotsl.)	79·4	-14	NE	6	do do	41	85	36	6	5	2	-	7-8	10	800
	Eskdalemuir ...	73·5	-20	NNE	5	r so	42	85	38	6	-	2	-	10	10	800
	Point of Ayre ...	71·7	-2	NE'E	6	c	44	92	43	8	5	7	-	1	9+	800
13A	Tiree	86·6	0	NNE	7	c	46	75	38	9	5	1	-	2-3	10	2000
13B	Stornoway ...	91·6	+2	NE	6	c	46	75	37	8	8	1	7	4-6	9+	2800
15	Dalwhinnie ...	84·0	-4	NE	4	iR	35	92	33	6	5	-	-	10	10	1500
	Aberdeen ...	81·1	-24	NW'W	6	rr	40	97	40	6	5	2	-	9	10	1000
	Wick ...	91·5	-6	NNE	6	ir	43	75	36	8	5	2	-	9	10	2000
16	Sumburgh ...	94·7	-2	NE	5	c	43	75	36	9	5	-	6	4-6	9+	2500
17	Blacksod Point	88·3	+22	N	8	bc	49	65	38	8	9	-	-	4-6	4-6	1500
18	Malin Head ...	83·8	+12	N'E	8	rr	42	85	38	7	-	2	-	10	10	1500
	Aldergrove ...	78·3	+14	NE	5	ro	41	85	36	6	6	2	-	9	10	900
19	Birr Castle ...	81·7	+26	N	5	ir	43	85	39	7	6	2	-	7-8	10	800
20	Valentia Obsy.	90·3	+18	NNW	7	PR	42	85	38	7	9	2	-	9	10	2500
	Roches Point	92·9	+22	N'W	7	pr	46	85	42	8	3	1	-	4-6	9	1500

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

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)
78·5	+10	SW	4	m/pr	48	65	39	4	9	-	3	9	9	800	1	*
79·6	+6	SSW	5	c-bc	49	75	39	7	8	-	-	7-8	7-8	1500	1	*
79·3	+6	NSW	6	c/pr	47	75	38	8	8	7	8	7-8	9	1800	1	*
79·7	+12	SW	6	c/pr	45	85	40	8	8	-	7	7-8	10	2000	0	*
81·7	+8	SW	6	c/pr	49	65	40	8	9	6	3	4-6	9	2200	1	*
82·5	+2	SW	7	c/pr	47	85	41	8	9	-	-	7-8	7-8	700	1	§
81·1	-4	SW'S	6	c/pr	48	75	39	8	2	6	3	7-8	9	1200	1	*
80·0	+4	SW	6	c/pr	48	75	42	8	2	7	-	4-6	9	1500	1	*
78·2	+2	SW	7	c-bc	50	75	43	8	7	7	-	4-6	7-8	2500	1	S
76·8	-18	SW'S	6	cq	50	75	43	7	5	-	-	9	9	1000	1	S
76·0	+14	SW'S	5	c/r	48	75	41	8	5	-	-	10	10	1000	1	*
71·2	+2	SW'S	7	ir	45	85	41	7	6	2	-	4-6	10	1000	1	*
73·7	+18	WSW	4	rr	43	92	41	6	6	-	-	10	10	800	1	*
75·7	+12	SW'W	5	c	45	85	39	7	6	2	-	9	10	1800	1	*
76·3	+12	WSW	4	c	45	75	38	8	5	-	-	10	10	2500	1	*
82·4	+22	NW	6	pr	44	85	39	7	8	6	-	9	9+	1000	1	6
79·1	+14	WSW	5	pr	45	85	41	7	9	7	3	4-6	9+	800	1	*
83·0	+8	W	7	c	47	92	45	8	2	4	-	4-6	10	4000	1	6
84·4	+10	W	6	c/pr	45	85	41	7	8	7	2	2-3	9	2000	1	4
86·8	+6	W	7	PR	47	85	43	8	8	2	-	7-8	10	1500	1	5
87·7	+8	WNW	7	cjp	49	75	40	7	8	-	-	10	10	1200	1	6
80·7	+20	NW	7	rr	43	85	36	7	8	-	-	10	10	1500	1	5
75·4	+24	NW'W	6	r/r o	44	85	40	6	5	-	-	10	10	1000	1	5
71·6	+26	NW	4	c/r	48	85	43	8	5	2	-	7-8	10	1500	1	*
70·4	+10	W	2	c/pr	46	97	45	6	2	-	-	10	10	2000	1	*
70·5	-6	SSW	6	C	48	85	45	7	3	-	-	10	10	800	1	5
70·6	0	NNW	3	r o r o	45	92	42	6	5	7	-	7-8	10	1500	1	*
71·9	0	NE	3	c-bc	47	92	45	7	8	3	-	4-6	7-8	2200	1	4
74·8	0	NNE	3	rr	45	97	45	5	5	-	-	10	10	1500	1	5
77·8	-6	N	5	RR	39	92	36	6	6	2	-	4-6	10	800	2	*
80·0	+8	NNE	5	r o r o	41	85	37	8	5	2	-	4-6	9+	1200	1	*
73·5	+6	N	5	RR	39	92	36	6	-	2	-	10	10	700	1	*
74·6	+16	NNE	8	RR	42	92	40	6	6	2	-	7-8	10	600	1	5
88·8	+20	NE	8	c	45	75	36	9	8	-	7	2-3	10	2000	0	7
94·2	+20	N	7	c/phr	39	97	38	8	9	-	-	10	10	1800	1	4
85·0	-6	NE	5	RS	34	92	32	6	5	-	-	10	10	1500	1	*
80·3	-20	NE'N	6	rr	41	97	41	6	5	2	-	9	10	600	1	5
89·6	-10	NE	8	r o r o	40	85	38	6	5	-	-	10	10	1000	1	*
92·7	-14	NE	6	ir o	41	85	36	8	5	2	-	9+	10	1800	0	8
93·1	+30	N	8	bc/phr	46	75	39	8	9	-	-	4-6	4-6	1500	2	6
86·7	+20	N	8	c/phr	45	85	41	8	9	2	-	4-6	10	1500	2	6
82·0	+22	N	4	r o r o	39	92	37	7	6	2	-	7-8	10	1500	1	*
86·9	+24	N	3	C	44	75	37	7	6	2	-	7-8	10	800	1	*
93·5	+34	W'S	7	pr	48	55	33	8	3	6	1	4-6	9	2500	1	6
87·1	+22	N	7	c-bc/pr	47	85	43	8	3	-	5	4-6	7-8	1500	1	5

PAST 24 HOURS.

Weather. 7h.–13h. ...8th... (39)	Weather. 13h.–18h. ..8th... (40)	Weather. 18h. 8th ... to 1h. 9th ... (41)	Weather. 1h.–7h. 9th ... (42)
r o p r c z o	c z o p r o c	c i r o	i r o c i r o
c p r o m o c p r	c c p r c	c p r o c	c i d r o
c m o p r c p r o	e p r o c	c j p c i r o c	c r r a i r o c
c r o c p r	c p r o	e e r o r o	c r r e p r o
c p r o c	c c j p r c	c p r o c	c r a r o c
c p r	c p r o p r p r o	c p r b c i r o	c e p r o c r o
c p r b c p h c	c p r o c	h p r b	h c c b o
b c c p r	c j p r c	e c i r	c i r
c r s c r r m	c r r m o b c	c i r o b c c	e c i r o
c a r q c q	c q p i r q	c i r o c	c r o r o
c p r o c p r	c p R c	e r r c	c i r o
c i r o p r	c p r r r	c r o r o m o	c m o r i d o i r
o c i r o	o r c o r	o R r e	c i r o
i r q c p r o	c p r o r s c	c i r o	c r o c i r c
r c r c r	c	e e r	r e e
c q	c q p r	e q p r	e q p r
c p r o p R m o	c r o r o, c p r o	c p r o c i r o	e m o r i c e r
r r c	c	c o	o c
c p r m o	c t t r p r	c p r o p r b c	b c c t p r o
c p r c	c p r	c p r c	c o r r
c p r o b c	c p c	c p t q c	c b e y
r r q	c r r q	c i r q	c i r c b e q y
c i r o	c r o r o	c r o r r o m o	o r o r m o c r
c m o	c i r o m o	e d a d r o	e r o r m o
i r o p r o	e p r o	c p r o m o	c i r i r m o
c q c p r	p r c q	c	e p r r
c r r o c r m o	c r o r o	c i r o m o	c r o r m o
o r r c	c i r o c	c p o	c o i n q
c r r	c o m o r r	p r m o c r r	c r r
r m o R m	c R R m o	c m o c i r o m	e m o c e y
c m o r o r o c i r o	m o r o r r r r c		e y
	r s o R m o	e r r r s e	e r r r s e
c r o s o m o	c R R	i r o p r	r r e
i r o c	c i r o c	e b c	b e c
c i r o c	c c i r o ⊕	e b c	b e c
c	c p r h c	e	c b e e
o r s r s	o r s r s	*	e p r s p s c
c r r m o	c r r m o	c r r m o	c r r c
c r r c	c i r o c z c r o	c r r c r o	c r o r o s r m
b c c	c i r o	e r o r o m o r r	e r r m o
b c	p r	b c	p r
r	p r	p r	p r
c r o r o	c r r m o r o r o	c r o r o m o b e m	b e m o b e
r	r	*	b c
p r	p r	p r	b c
			b

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

Districts	
1 S.E. England	Strong to gale northwest wind, moderating temporarily, but backing west to southwest and freshening again later; fair at first apart from a few scattered showers; general rain spreading from west later; cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	Strong to gale northwest wind, becoming variable and temporarily lighter; bright intervals and local showers at first, general rain spreading from west later; cold.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13A W. Scotland ...	Light or moderate northerly winds freshening later; occasional wintry showers; very cold.
13B N.W. Scotland	
14 Mid Scotland	Strong to gale northerly winds; occasional wintry showers; very cold.
15 N.E. Scotland	
16 Orkneys and Shetlands	As 14-15.
17 N.W. Ireland	Moderate westerly wind, becoming variable, freshening from northwest later; rain spreading from west, followed by showery conditions; cold.
18 N.E. Ireland	
19 S.E. Ireland	Freshening west to southwest, winds, gale later, winds finally veering northwesterly; rain spreading East followed by showery conditions; cold.
20 S.W. Ireland	

GENERAL INFERENCE

A vigorous depression centred over the North Sea is moving Northeast and filling up; another depression on the Atlantic is likely to develop and move across the British Isles. Weather will be cold and unsettled generally with wintry showers in the North and rain spreading eastwards across central and Southern districts later. There will be strong winds or gales in many districts.

FURTHER OUTLOOK

Cold unsettled weather continuing.

Issued 7th May

Gale warning in operation in districts 1, 5, 6. Issued 12.55 7th May In districts 4, 7, 8 16.50 7th May

Gale warning in operation in districts 12, 13A, 13B 3, 9, 10 Issued 17.50 7th May

" " " " " 2 Issued 20.40 7th May In districts 11, 14 Issued 05.45 8th May

" " " " " 15, 16 Issued 10.10 8th May

Forecasts issued at

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

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

7h. Sunday 9th May 1943.

HIGH

LOW

LOW

HIGH

1004 1002 1000 998 996 994 992 990 988 986 984 982 980 978 976 974 972

10° W. 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. changes in past 3 hours in mbs.

Dew Point °F

Low cloud

Weather in past hour

Past weather

Amount of Low cloud

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

Scale 1 : 5,000,000

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of
Sunday 9th May
1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Sunday 9th May 1943 — No. 29753

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

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	*	*	*	*	*	46									
	Croydon ...	290	81·3	+2	SW	4	c	45	75	38	7	5	-	-	10	10	1400
	S. Farnborough	226	98·1	+4	W'S	5	c	44	75	37	8	5	-	-	10	10	1600
	Boscombe Down	417	82·1	+6	WSW	6	r.r.	41	97	40	7	5	2	-	7-8	10	3500
	Thorney Island	10	83·1	+8	WSW	5	c	45	75	38	7	5	-	-	4-6	9	2600
	Lympne ...	283	82·5	0	WSW	6	bc/r	44	85	40	7	6	-	-	4-6	4-6	800
	Manston ...	154	82·5	+2	SW'W	4	bc	44	75	38	7	9	-	6	4-6	4-6	2000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	79·8	+6	SW	6	c-bc	47	75	41	7	5	-	-	7-8	7-8	2600
	Gorleston ...	5	78·2	+4	SW	4	c/r	45	85	40	6	6	-	-	10	10	800
	Mildenhall ...	15	77·9	+10	SW	5	o/r	44	85	41	7	5	-	-	10	10	2500
	Cranwell ...	203	76·1	+22	W'S	6	r.r.	42	92	41	6	6	2	-	10	10	1000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	78·6	+12	W'S	3	c/r	42	85	38	7	5	-	-	10	10	2100
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	88·2	+34	NW	6	pr	43	97	43	7	8	2	-	7-8	9+	1500
	Bristol ...	209	83·0	+18	W	6	r.r.	42	92	41	6	5	-	-	10	10	2200
	Portland Bill ...	32	84·9	+8	W	6	o	48	92	46	7	5	-	-	10	10	2500
	Plymouth ...	82	88·8	+22	NW	6	c-bc/pr	44	85	38	8	9	6	3	4-6	7-8	2000
	The Lizard ...	240	91·4	+20	NW	4	c-bc	48	97	48	8	8	-	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	94·1	+38	NW'W	7	c-bc	46	65	36	7	8	-	-	7-8	7-8	1500
	Guernsey ...	175															
6	Pembroke ...	142	88·7	+38	NNW	7	ir	43	85	38	8	8	-	-	9+	9+	1500
7	Holyhead (Valley)	32	85·5	+52	NNW	8	r.r.	43	85	38	6	-	2	-	10	10	2500
	Chester (Sealand)	16	79·7	+54	W	6	r.r.	42	85	38	6	5	2	-	7-8	10	1500
8	Manchester ...	235	78·8	+50	NW'W	5	z.	41	85	38	6	9	-	-	10	10	1200
10	Spurn Head ...	29	74·3	+28	W'N	4	c	46	55	33	7	5	2	-	7-8	10	1500
	Catterick (Sc)...	192	75·6	+26	NW	5	z.	43	92	40	5	5	7	-	7-8	10	1300
	Tynemouth ...	108	74·0	+8	N	5	pr	46	92	44	7	2	-	-	9	9	1500
11	St. Abbs Head	280	84·7	+4	N	8	r.r.	40	97	40	6	5	-	-	10	10	1500
	Leuchars ...	36	79·5	+10	N	5	c/r	42	75	33	6	5	7	-	7-8	9	2500
12	Renfrew (Abbotsl.)	19	85·7	+28	NW'N	5	c	41	65	29	8	5	2	-	7-8	10	1000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	83·8	+46	N	9	rr	41	85	39	7	6	2	-	7-8	10	600
13A	Tiree	44	93·7	+18	N	8	b-bc	41	65	30	8	5	-	-	2-3	2-3	2000
13B	Stornoway ...	15	95·4	0	NNW	5	c	39	65	29	8	5	-	-	9	9	2700
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	82·5	+10	N	6	RR	36	97	35	6	-	2	-	10	10	900
	Wick ...	114	88·4	-2	NE	8	r.r.	38	92	36	6	5	-	-	10	10	1000
16	Sumburgh ..	19	89·1	-14	NE'E	7	r.r.	38	97	38	6	5	2	-	9+	10	1200
17	Blacksod Point	18	01·6	+30	N'E	7	bc	43	55	29	8	9	-	-	4-6	4-6	1500
18	Malin Head ...	84	93·9	+36	N	8	c-bc/pr	43	75	36	8	9	-	-	7-8	7-8	1500
	Aldergrove ...	268	09·1	+30	NW	6	z.	40	75	33	6	6	-	-	4-6	4-6	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	03·4	+42	N'E	6	b-bc	46	45	26	8	3	-	-	2-3	2-3	2500
	Roches Point	22	97·4	+44	N	7	b-bc	45	85	41	8	5	-	-	2-3	2-3	1500

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

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)	88·1	+54	NW	4	ir.	43	75	34	8	5	2	-	9	10	1500	1	*
	Croydon ...	88·4	+62	W'N	4	c/r	42	85	37	7	5	-	-	10	10	1400	1	*
	S. Farnborough	88·9	+54	NW	5	c/r	42	75	35	8	5	8	-	9+	10	1400	1	*
	Boscombe Down	91·6	+62	NW'W	5	pr	42	75	35	8	5	-	-	9+	9+	2000	1	*
	Thorney Island	90·5	+52	W	6	c	45	75	36	8	8	-	-	9+	10	2500	1	*
	Lympne ...	86·3	+2	W	5	r.r.	40	92	38	7	6	2	-	9+	10	600	1	5
	Manston ...	85·1	+26	W'N	4	c	40	85	36	8	5	-	-	9+	9+	1000	1	*
2	Shoeburyness ...	85·6	+36	W	4	c/r	41	92	38	7	5	-	-	10	10	1500	1	*
	Felixstowe ...	83·3	+30	W	5	ir.	42	92	39	7	5	-	-	10	10	800	1	4
	Gorleston ...	81·7	+28	W'S	3	c/r	44	85	39	6	5	-	-	10	10	1000	1	3
	Mildenhall ...	83·8	+46	W'N	5	c/r	42	85	38	8	5	-	-	10	10	1500	1	*
	Cranwell ...	83·9	+48	NW	7	ir	39	85	35	6	5	-	-	10	10	900	1	*
3	Birmingham ...	89·5	+60	NW	6	ir.	41	75	34	6	6	7	-	9+	10	800	1	*
	Upper Heyford	87·5	+56	NNW	5	c/r	40	85	35	9	5	3	1	7-8	9	1100	1	*
4	Ross-on-Wye	92·5	+54	WNW	5	c	42	75	33	8	8	-	3	7-8	9	2500	1	*
5	Hartland Point	98·6	+62	NW	6	c-bc	43	65	30	7	2	6	-	4-6	7-8	1500	1	5
	Bristol ...	92·9	+58	WNW	6	pr	43	75	37	8	8	-	-	9+	9+	1600	1	6
	Portland Bill ...	93·5	+56	WNW	6	c	46	92	44	8	5	-	-	10	10	4000	1	6
	Plymouth ...	99·8	+66	NW	7	c/pr	44	65	33	8	8	-	-	9	9	2000	1	3
	The Lizard ...	01·9	+50	NW	7	bc	45	65	32	8	8	-	-	4-6	4-6	2500	0	5
	Scilly (St. Mary's)	02·9	+54	NW'N	7	bc	46	55	30	8	1	-	-	4-6	4-6	1500	1	6
	Guernsey ...																	
6	Pembroke ...	99·2	+60	NNW	8	bcq	43	55	29	8	1	7	-	2-3	4-6	3000	1	5
7	Holyhead (Valley)	96·3	+58	NW	8	c	43	65	30	8	7	2	8	4-6	9+	2500	1	6
	Chester (Sealand)	89·4	+46	NW	8	c	44	65	34	7	5	7	-	9	10	1500	1	*
8	Manchester ...	88·7	+54	NW	7	c/r	41	75	32	8	2	6	-	2-3	9+	2000	1	*
10	Spurn Head ...	80·7	+40	NW'W	7	rr	42	85	38	7	5	2	-	7-8	10	1500	1	5
	Catterick (Sc)...	84·3	+56	NNW	6	r.r.	38	85	34	6	5	2	-	2-3	10	300	1	*
	Tynemouth ...	82·2	+54	NNW	8	ir	38	85	34	7	6	-	-	10	10	1500	1	5
11	St. Abbs Head	81·4	+38	N	8	ir.	40	85	36	7	6	2	-	7-8	10	1500	9	6
	Leuchars ...	84·7	+30	N	7	c	41	55	28	9	5	2	-	9	10	1200	1	*
12	Renfrew (Abbotsl.)	90·5	+22	WNW	5	c	42	55	28	9	7	7	6	2-3	9+	1600	1	*
	Eskdalemuir ...	87·0	+48	NW	6	c/rs	36	65	27	8	-	9	3	0	9	-	*	*
	Point of Ayre...	91·7	+20	NNW	8	c	44	75	34	8	8	7	-	4-6	9+	3000	0	6
13A	Tiree	95·6	+10	NW'N	5	bc	40	65	30	9	1	6	8	Tr	4-6	2500	0	5
13B	Stornoway ...	94·1	-10	NW	3	c	37	75	31	9	5	-	7	4-6	9	2800	1	2
15	Dalwhinnie ...	89·0	+16	N	3	c	33	85	30	7	5	2	-	7-8	9+	2500	4	*
	Aberdeen † ...	82·8	+10	NW'N	7	c	37	92	34	7	5	2	-	9	10	1500	1	5
	Wick ...	88·4	+2	NW	7	rs	35	97	35	6	5	-	-	10	10	800	1	*
16	Sumburgh ..	85·4	-18	N	8	r.r.	37	97	37	6	5	2	-	9	10	1000	1	4
17	Blacksod Point	01·3	-8	W'N	4	c/pr	41	85	37	8	9	-	6	4-6	9+	1500	2	3
18	Malin Head ...	96·8	+14	NW'W	6	bc	43	55	29	8	9	-	-	4-6	4-6	1500	2	5
	Aldergrove ...	96·6	+20	NW	4	b-bc	40	65	29	9	5	-	9	1	2-3	2000	1	*
19	Birr Castle ...	02·4	+24	WNW	3	b-bc	42	75	35	8	5	-	-	2-3	2-3	2500	1	*
20	Valentia Obsy.	06·9	+14	WNW	4	c-bc	46	65	36	8	2	-	-	7-8	7-8	2500	1	4
	Roches Point	04·1	+22	N	5	b	45	85	41	8	2	-	-	1	1	2500	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 8th Hrs. (38)
1	London (Kew)	51	39	36	1	2	0·5
	Croydon ...	52	40	39	3	1	3·4
	S. Farnborough	52	38	37	1	2	3·8
	Boscombe Down	48	39	39	1	4	1·0
	Thorney Island	56	42	40	7	2	
	Lympne ...	52	39	38	7	1	3·3
	Manston ...	55	40	39	5	2	4·8
2	Shoeburyness ...	53	39	39	3	0·1	5·5
	Felixstowe ...	54	42	41	1	0·5	7·3
	Gorleston ...	56	45	43	5	0·5	1·7
	Mildenhall ...	55	41	41	3	3	3·1
	Cranwell ...	54	38	37	3	7	2·7
3	Birmingham ...	48	37	36	9	10	0·2
	Upper Heyford	50	36	33	3	14	
4	Ross-on-Wye	48	40	38	1	2	0·2
5	Hartland Point	46	40	37	0·3	4	0·0
	Bristol ...	49	42		10	1	0·3
	Portland Bill ...	51	44		3	-	
	Plymouth ...	49	42	39	13	3	0·0
	The Lizard ...	51	41		0·5	2	5·3
	Scilly (St. Mary's)	52	44		1	2	
	Guernsey ...						
6	Pembroke ...	46	41		8	5	0·0
7	Holyhead (Valley)	49	40	37	3	2	
	Chester (Sealand)	55	40	38	1	5	1·9
8	Manchester ...	51	37	33	3	0·5	
10	Spurn Head ...	53	41		3	1	2·2
	Catterick (Sc)...	56	37	33	11	1·5	0·3
	Tynemouth ...	48	36	32	9	5	
11	St. Abbs Head	45	*	*	13	9	
	Leuchars ...	42	37		24	1	0·0
12	Renfrew (Abbotsl.)	42	39	34	6	1	0·0
	Eskdalemuir ...	45	32	32	21	11	0·0
	Point of Ayre...	49	36	*	3	5	0·3
13A	Tiree	48	38	36	Tr	-	0·0
13B	Stornoway ...	46	33	32	0·5	1	2·7
15	Dalwhinnie ...	38	32	30	8	3	0·0
	Aberdeen † ...	44	35	33	15	4	0·0
	Wick ...	45	35	34	2	12	
16	Sumburgh ..	44	34	34	-	8	8·8
17	Blacksod Point	49	39	*	1	3	
18	Malin Head ...	46	40		4	0·1	0·0
	Aldergrove ...	41	37	34	9	4	0·0
19	Birr Castle ...	44	35	32	5	-	0·0
20	Valentia Obsy.	50	43	39	5	1	3·9
	Roches Point	48	44	*	1	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 8th May ... 18h. G.M.T. | 01h. G.M.T. 9th May ... 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	51	02856	03687	52	02745	35728	52	64635	64768	52	64648	61768
115				57	02944	37626	52	26845	99668			
203							8-	82848	32788	51	02846	32628
206	9-	81848	37688	6-	62638	35668	02	64638	65568	52	61755	63468
210	22	61755	38568	02	62648	36668	02	64638	65768	62	61844	64668
219	20	02954	03627				51	01854	32784	14	01951	32313
230	62	02955	37468	52	61954	35568	5-	22848	63768	57	02963	28626
245	62	64535	37768	62	64636	35668	02	64548	65668	89	02864	63766
260	62	64427	35568	62	05636	02868	6-	61748	04568	5-	02848	20468
278	57	25835	36687	52	10745	65787	5-	22747	63867	57	02835	61827
279	57	62845	37567	52	62634	65668	57	02855	64768	57	02855	61667
285	6-	64628	08168									
288	62	64847	02467	81	02855	15296	62	64448	59568	52	22635	59668
575	61	58635	34668	9-	21844	32358	50	01842	65512	83	02854	30217
301	87	61645	04268	9-	61657	62367	02	62648	30668	57	02844	63767
321	96	81755	47567	87	05654	17188	5-	05647	26387	5-	64638	61568
2.9	60	82636	16686	8-	22748	14368	8-	03747	22227	5-	03748	28568
292	7-	81844	13287	57	02845	02187	5-	05644	28488	52	62845	30668
310												
614	8-	81736	49588	5-	61538	22328				57	61745	57568

13h. G.M.T. 8th May ... 18h. G.M.T. | 01h. G.M.T. 9th May ... 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	64635	28568	52	22646	61568						
334	--	25647	22388									
340	52	64645	18267	52	64645	24388	62	64538	65368			
1368	8-	25846	51686	8-	02836	73947	62	62635	22568	5-	22848	26568
330	52	22646	28468	52	22646	24468						
350	62	61744	55588	67	02735	53628	62	51745	51468	67	22845	61668
368	5-	62525	53668	5-	61635	56768	5-	05644	59668	5-	61634	60667
379	62	64627	55788	87	02745	55667	5-	61758	55468			
390	8-	05647	48587	8-	22636	53667	5-	05648	51428	62	58634	59588
382	52	62847	54688	87	22845	84567	5-	25745	55485	5-	02844	61667
438	8a	25646	22986	87	25745	22987	8-	25747	22887	80	81645	23785
430	86	25745	53687	5-	81735	55727	5-	05655	57686	5-	51835	58557
409	9-	64648	58868	82	25845	58768	--	81648	61688	10	01854	62825

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 9th May
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 o prez o	ez. p r c e	cir. o cir. o	Kew 24 hours ended 7h. Max. Time 2011 Min. Time whole period
Croydon ...	cpr. o. e p r	ce p r c e	cp r. o cir. o	
Greenwich ...	epgt	cqp	cirtc	
Camden Square	cpr	cprt	*	
Kensington ...	eqpr	eqpr	*	
Hampstead ...				

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 ...	51	39	36	1	2	0·5	*	*
Croydon ...	52	40	37	3	1	3·4	*	*
Greenwich ...	54	37	36	2	3	4·7	61	65
Westminster ...	53	39	38		3		73	75
Regents Park ...								
Camden Square	53	38	37	1	3	*	*	63
Kensington ...	54	38	36	0·7	2		73	70
Hampstead ...							*	

SECRET

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

Monday 10th May 1943.

No. 29754

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

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)	99·9	+50	NNW	5	c-bc	53	35	24	8	1	–	6	2-3	7-8	2500
	Croydon ...	00·2	+54	W	5	bc	53	25	22	8	1	–	3	2-3	4-6	3000
	S. Farnborough	00·7	+44	WNW	6	bc	54	35	26	8	1	–	–	2-3	4-6	2000
	Boscombe Down	02·7	+46	WNW	6	bc-bc	52	45	30	8	1	–	1	2-3	2-3	2500
	Thorney Island	02·2	+56	WNW	5	b-bc	53	45	33	8	1	–	–	2-3	2-3	4000
	Lympne ...	98·5	+60	WNW	6	c	45	75	35	6	2	–	9	4-6	9+	2000
	Manston ...	97·2	+62	NW	6	c/pr	49	55	33	7	5	–	6	4-6	9	2500
2	Shoeburyness ...	98·7	+54	NW	5	c	52	45	34	7	5	7	2	7-8	9	2500
	Felixstowe ...	95·8	+58	WNW	7	c	48	65	36	7	5	7	–	4-6	9	1400
	Gorleston ...	93·3	+40	NNW	5	c-q	46	75	34	7	5	–	–	9+	9+	1500
	Mildenhall ...	95·1	+48	WNW	6	c-bc	51	55	34	7	2	–	2	7-8	7-8	2500
	Cranwell ...	95·5	+50	NW	7	bc	51	35	27	8	2	–	–	2-3	4-6	2500
3	Birmingham ...	99·9	+50	WNW	8	bc	50	35	25	8	1	–	1	2-3	4-6	2500
	Upper Heyford	99·2	+50	WNW	6	bc	52	35	25	9	1	–	2	2-3	4-6	2800
4	Ross-on-Wye	02·1	+40	W'N	6	bc-q	51	45	29	8	1	–	–	4-6	4-6	3500
5	Hartland Point	06·0	+24	NW	5	bc	49	65	39	8	2	–	–	4-6	4-6	2500
	Bristol ...	03·7	+30	WNW	6	c-bc	55	55	38	9	1	–	–	7-8	7-8	4000
	Portland Bill ...	04·6	+44	NNW	5	c-bc	51	92	49	8	2	–	–	7-8	7-8	4000
	Plymouth ...	08·1	+30	NW	6	c-bc	51	55	37	9	2	–	2	7-8	7-8	2500
	The Lizard ...	08·8	+24	NW	5	bc	53	55	37	8	2	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	09·2	+12	W'N	6	bc	54	85	48	8	7	–	–	4-6	4-6	1800
	Guernsey ...															
6	Pembroke ...	04·2	+20	W	7	bc-q	49	65	37	8	2	4	1	2-3	4-6	3000
7	Holyhead (Valley)	99·9	+10	W'S	7	bc	49	65	35	8	2	6	5	Tr	4-6	3500
	Chester (Sealand)	98·9	+34	NW	6	bc	50	55	33	8	8	–	–	4-6	4-6	2500
8	Manchester ...	98·1	+44	W'N	6	bc	49	45	29	8	2	–	–	4-6	4-6	3000
10	Spurn Head ...	01·4	+56	NNW	8	c-bc-q	49	55	32	7	2	4	–	4-6	7-8	1500
	Catterick (Sc) ...	02·6	+40	NW	6	bc	51	45	29	9	1	–	3	2-3	4-6	3000
	Tynemouth ...	01·1	+36	NNW	6	c-bc-q	48	65	34	7	2	3	1	4-6	7-8	2500
11	St. Abbs Head	00·7	+46	NW	6	c	44	75	37	8	5	2	–	7-8	9	2000
	Leuchars ...	99·9	+14	NW	5	c-bc	48	55	31	9	5	1	8	2-3	7-8	1800
12	Renfrew (Abbotsl.)	03·7	+10	W'S	5	bc	49	45	30	9	7	7	8	4-6	4-6	2200
	Eskdalemuir ...	02·6	+30	NNW	5	bc	46	45	26	8	1	–	3	Tr	4-6	4000
	Point of Ayre ...	96·4	+10	WNW	6	bc	53	55	38	8	2	6	8	2-3	4-6	3000
13A	Tiree	94·6	−18	WN	5	c-bc	43	65	33	9	3	–	3	7-8	7-8	2500
13B	Stornoway ...	92·6	−6	NNW	3	bc-p	45	35	20	9	3	6	5	2-3	4-6	2800
15	Dalwhinnie ...	90·6	+4	NW	4	c-bc	43	65	31	8	8	–	2	4-6	7-8	2500
	Aberdeen ...	87·1	+28	NNW	6	r-r	40	85	35	8	5	2	–	7-8	9+	1500
	Wick ...	88·2	−2	NW	7	c	40	85	34	8	8	–	–	10	10	1200
16	Sumburgh ...	82·8	−14	NNW	5	rr	41	97	39	6	5	2	–	9	10	900
17	Blacksod Point	99·2	−6	NNW	4	c-bc	45	75	37	8	9	–	–	7-8	7-8	1500
18	Malin Head ...	98·6	−6	WNW	4	c/pr	42	65	31	8	9	–	–	10	10	1500
	Aldergrove ...	96·9	−4	WSW	.3	PH(R)	41	85	36	8	8	2	–	9	10	1800
19	Birr Castle ...	00·9	−10	W&W	4	ir	42	92	40	6	6	2	–	7-8	10	800
20	Valentia Obsy.	03·7	−18	W'S	6	ir	46	85	42	8	6	2	–	9	10	2500
	Roches Point	04·0	−16	W	5	c-bc	51	65	40	8	2	–	5	2-3	7-8	2500

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. ·mt. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force. 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	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)	04·8	+16	WSW	4	c-bc	52	85	30	8	8	–	6	2-3	7-8	2500	1	*
	Croydon ...	96·8	+24	WSW	5	c-bc	52	35	28	8	1	–	3	2-3	7-8	2500	1	*
	S. Farnborough	05·3	+14	WSW	6	bc	52	35	25	8	1	5	6	2-3	4-6	3000	0	*
	Boscombe Down	05·8	+6	SW'W	5	c-bc	51	45	31	9	1	–	8	2-3	7-8	4000	0	*
	Thorney Island	06·9	+18	SW	6	b-bc-q	52	55	35	9	1	–	1	2-3	2-3	3000	1	*
	Lympne ...	05·5	+38	W	6	b	51	45	30	9	1	–	1	1	1	2500	0	§5
	Manston ...	04·6	+32	W'N	3	b	51	45	29	8	1	–	1	Tr	Tr	3000	0	*
2	Shoeburyness ...	04·8	+28	W	3	b-bc	52	45	29	8	1	–	1	1	2-3	2500	0	*
	Felixstowe ...	02·9	+36	W	7	bc-jp	53	45	34	8	1	–	5	2-3	4-6	4000	0	5
	Gorleston ...	00·6	+48	NW'W	5	b-bc-q	53	35	27	7	2	–	–	2-3	2-3	2000	0	3
	Mildenhall ...	10·7	+30	W'S	5	bc	52	45	31	8	1	6	3	2-3	4-6	4000	0	*
	Cranwell ...	00·3	+2	W	5	c-bc	46	75	36	8	3	–	7	7-8	7-8	2000	0	*
3	Birmingham ...	01·3	−2	SW	6	c	47	55	32	8	7	2	–	2-3	9+	2500	1	*
	Upper Heyford	02·0	+2	SW'W	6	c-bc	49	45	29	9	8	7	6	2-3	7-8	2800	0	*
4	Ross-on-Wye	03·2	+4	W'S	5	psh	44	75	37	8	3	–	–	10	10	3000	1	*
5	Hartland Point	02·7	−28	W	6	c-jp	49	75	42	7	8	2	–	7-8	10	1500	1	5
	Bristol ...	05·2	−4	WSW	5	c-jp	49	55	36	8	5	1	–	4-6	10	4000	0	*
	Portland Bill ...	07·5	+6	WSW	5	c-bc	50	92	48	8	2	–	–	7-8	7-8	4000	1	5
	Plymouth ...	08·1	−4	WSW	7	c	51	65	40	8	8	1	7	2-3	9+	2000	0	4
	The Lizard ...	08·7	−2	WSW	7	c/pr	51	65	40	8	8	2	–	7-8	9+	2000	1	4
	Scilly (St. Mary's)	07·4	−26	SW'W	6	c/pr	51	75	42	7	8	6	–	9+	9+	1500	1	5
	Guernsey ...																	
6	Pembroke ...	01·7	−20	W	8	c-q	46	92	44	7	8	–	–	10	10	2000	1	5
7	Holyhead (Valley)	26·7	−30	WSW	6	c	46	85	41	8	8	7	–	9	10	1500	1	5
	Chester (Sealand)	98·9	−2	SW	3	r-r	43	85	37	6	5	2	–	7-8	10	2000	1	*
8	Manchester ...	98·6	−6	W'S	3	ir	42	85	35	6	6	2	–	7-8	10	800	1	*
10	Spurn Head ...	99·0	+24	W'S	6	c-q	49	55	33	7	2	3	–	4-6	9	2500	0	5
	Catterick (Sc) ...	95·8	+10	WSW	5	pr	48	75	35	8	9	7	–	2-3	9+	1500	1	*
	Tynemouth ...	93·8	+16	W	6	c-bc/pr	47	50	30	7	2	3	–	4-6	7-8	2500	1	4
11	St. Abbs Head	91·9	+12	W	4	bc	44	75	37	7	2	4	–	2-3	4-6	3000	0	4
	Leuchars ...	91·2	+8	W	4	bc	48	45	29	9	2	4	–	4-6	4-6	2000	0	*
12	Renfrew (Abbotsl.)	93·8	−6	W'S	4	c	42	65	29	9	3	7	–	7-8	9	1400	1	*
	Eskdalemuir ...	93·5	−2	WNW	3	ir	40	75	32	7	8	7	–	4-6	10	1500	1	*
	Point of Ayre ...	95·2	−6	N	5	pr	41	92	39	8	9	7	–	7-8	9+	3000	1	4
13A	Tiree	93·8	−6	NW'W	4	ps	39	85	36	8	9	6	3	4-6	7-8	1000	0	4
13B	Stornoway ...	91·3	−8	N	5	bc	42	45	25	9	3	–	3	2-3	4-6	2800	1	2
15	Dalwhinnie ...		−2	WSW	3	bc	37	55	22	8	8	–	1	4-6	4-6	2500	0	*
	Aberdeen ...	89·2	+6	NW'N	3	c	44	65	31	8	8	–	8	Tr	9	2500	1	3
	Wick ...	89·6	0	NW'W	4	pr	37	92	34	9	–	2	–	4-6	9	1000	1	*
16	Sumburgh ...	81·7	−10	SE'E	3	c	46	92	44	8	5	7	–	9	9+	1500	1	3
17	Blacksod Point	99·2	−2	WNW	6	c	41	65	30	8	8	–	–	10	10	1500	2	3
18	Malin Head ...	98·8	−6	WNW	4	c/ps	41	65	30	8	9	–	–	9+	10	1600	2	4
	Aldergrove ...	96·8	+6	WNW	3	c/pr	37	92	34	8	5	2	–	4-6	10	1000	1	*
19	Birr Castle ...	99·1	+4	NW	2	c	41	85	37	8	3	1	–	2-3	10	1500	1	*
20	Valentia Obsy.	01·5	−10	W	3	r-r	46	85	42	8	6	2	–	2-3	10	2500	1	4
	Roches Point	02·3	−10	W	4	c/pr	47	85	43	8	8	7	–	4-6	9+	1500	1	4

PAST 24 HOURS.

Weather. 7h.–13h. (39)	13h.–18h. (40)	18h. 9th to 1h. 10th. (41)	1h.–7h. 10th. (42)
9th.	9th.	10th.	10th.
ir. z.cy	c.b.c.y	b.c.y c.r.o	r.c.r.r.o
c.m.o.l.r.o.c	b.c.y	c.b.c.i.r.o	i.r.o.r.o
c.b.c	b.z.y	b.c.c.y.b.c.r.o.r.o	c.r.r.o.m.o
c.p.r.o.b.c.y	b.c.y.c.y	c.r.o.r.o	c.r.r.m.o
c.b.c	b.c., b.c.q., y	c.r.o.r.o.c	c.r.o.r.o.m.o
c.m.c	c.b.c.b.y	b.y.b.c.b	b.c.c.r.o.r.o.m.o
c.p.r.o.r.o.	c.b.c.y	c	c.i.r.o
c.i.r.c	c.y.b.c.y	c.i.r.c	c.e.i.r
c.i.r.o.c	c.y.b.c.y	c.y.c.i.r.	c.i.r.o
e.p.r.o.q	b.c.b.q.z	b.c.c.q.y.i.d.o	c.i.d.o.z.o
c.i.r.o.c	c.c.z.o.b.c.y	c.i.r.o	c.r.o.r.o
c.m.o.i.r.b.c	c.b.c.y.p.o	c.p.r.r.o.r.o	c.r.o.r.r.m.o
c.r.r.b.b.c	b.c.c	c.o.r.o.r.o	o.r.o.r
b.c.y.c.y	p.r.o.c.y.v	c.y.c.r.o.r.m.o	c.r.o.r.o.m.o
c.o.b.c.o	b.c.q.c.q.m.o	b.c.q.c.q.p.o	c.q.r.r.q
c.q.b.c.y	b.c.c	c.p.h.r.r.r	r.r.q.c
c.p.r.o.c.b.c.b.c.y.v	b.c.z.y.p.r.o.b.y	h.m.o.r.r.o.r	c.r.o.r.o.m.o.r.r.m.o
c	c	p.p.r	o.r.r
b.y.b.c.y	c.b.c.y.b.c.c	c.p.r.o.r.r.m.o	c.r.o.r.o.r.r.m.o
b.c.y	b.c.p.r.c	p.r.r.r.r	d.r.r
b.c	b.c.c.o.	c.r.o.r.o	c.r.r
b.c.q	c.i.r.q	c.r.r.q	c.r.r.q.m
b.c.y.c	c.i.r	c.p.r.c	o.r.o.r.o.r.r.m
c, c.l.o.y	b.c.c.r.o.m.o	c.z.m.o.r.o.r.o	c.r.r.m.o
c.p.r.r.c.b.c.y	b.c.y.c.i.r.o	r.r.p.r.o.r.o	r.o.r.o.r.m.o
b.c.q	b.c.c.q	c.q	c.r.o
c.r.r.o.m.o.b.c.y	b.c.y.c.p.r.o	c.i.r.c	c.s.o.s.o.f
b.c.q	b.c.c.p.q	c.m.o.p.r.c	b.c.m.o.o.i.s.o
c.i.r.o.p.r.s.c	c.b.c	c.b.c.c	b.b.c
c.y.c.d.c.y	c.b.c.y.p.h.b.c.y	b.c.y.c.y.b.c.b	b.b.c.b.c
c.y.b.c.y	p.r.s.h.p.r.s.c	c.p.s.b.c.b.x	b.x.b.c.c.m.o
b.c.y	c.r.s.o.i.r.	i.l.o.s.o.c	s.
c.b.c	b.c.p.h.r.o	p.r.c	d.o.s.s
b.c.j.p.c.p.r.o	c.p.r.o.s.p.s.c	b.c.c.p.r.o.s.o.b.c	b.c.j.p.x.w
c.d.c	b.c.j.p.y	c.i.r.o.b.c	b.c.p.r.o.p.s.o
c.o.c	c.b.c		b.c.c.p.o.s.b
c.r.o.r.o	c	c.b.c.b.x	b.x.b
c.r.o.r.o.c	c.p.r.o.m.o.s.p.r.o	c.p.r.o.b.c.p.r.o	c.b.c
c.r.r.r.s.r.r.m.o	c.i.r.o.c	c.i.r.o.l.o.r.	o.r.r.r.s
c	p.r	r	c
p.r	p.r	p.r	c
p.r.o.c.p.h	h.m.o.p.r.m.o	c	
r	r		s
c	p.r	r	r
c	p.r	r	r

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

Districts.	
1 S.E. England	Wind Southwest strong to gale veering and moderating temporarily; rain at first; bright intervals and local showers later; cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	Variable winds becoming west to northwest moderate; some sleet or snow at first; bright intervals and local showers of rain or hail later; cold.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13A W. Scotland ...	Moderate west wind; bright intervals; showers of rain or hail; cold.
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 northwest wind backing later and freshening in the South; bright intervals and showers at first; some rain or sleet later; cold.
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

GENERAL INFERENCE

A deep depression near Shetland is moving slowly west, and an intense depression over Southeast Ireland is moving Northeast. There will be stormy conditions in the South at first, with rain followed by a temporary improvement; in the North there will be bright intervals and showers; snow will occur locally in North England and South Scotland at first.

FURTHER OUTLOOK

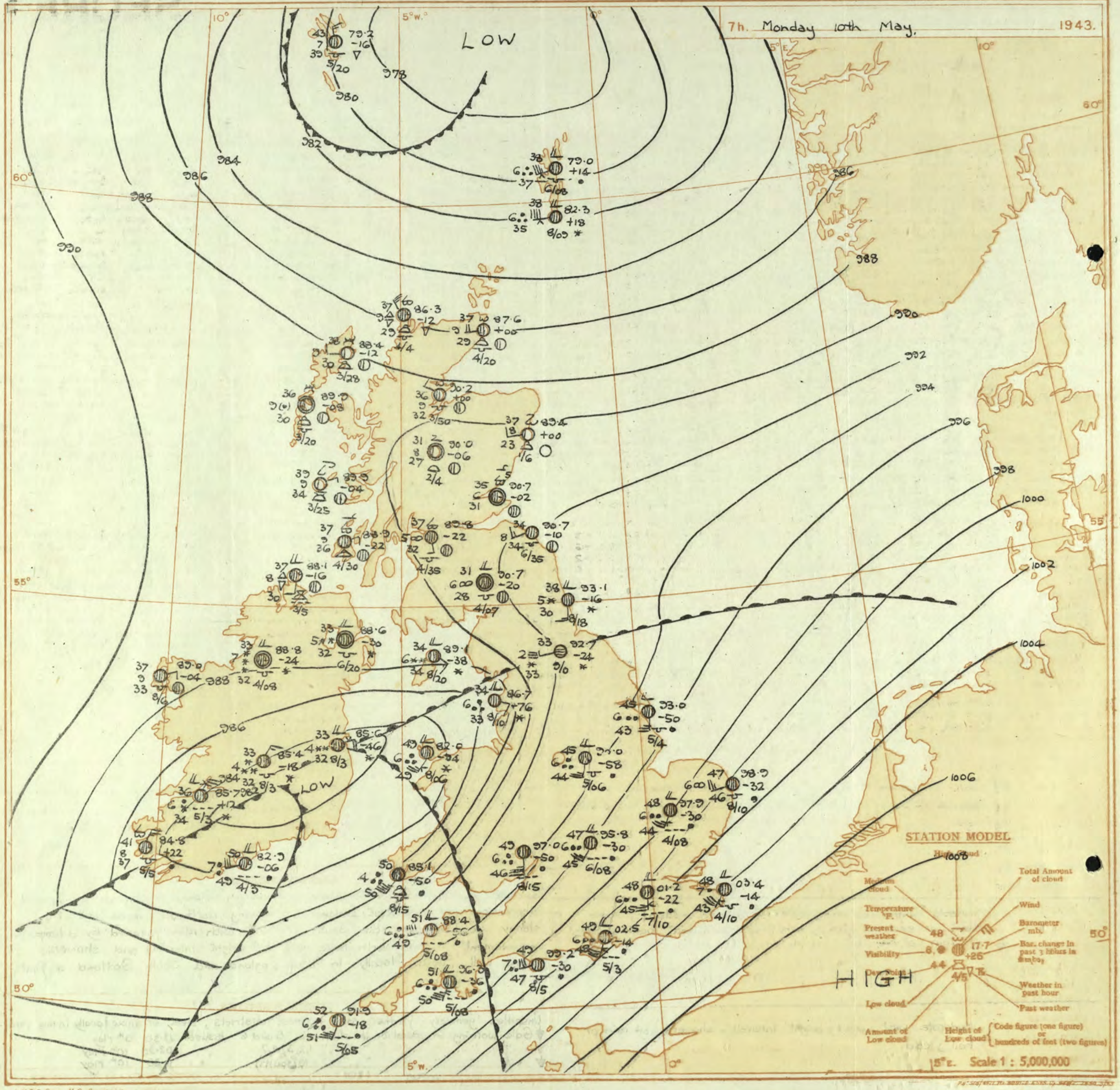
Unsettled generally; further rain in most districts, sleet or snow locally in the North.

Gale warning in operation in districts 5 and 6 issued 23·30 9th May
" " " " " 1, 2, 3, 4, 7 " 02·30 10th May
" " " " " 10 (South) " 11·25 10th May

Forecasts issued at 1030.

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

7h. Monday 10th May. 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

Morning. of

MONDAY 10th MAY

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Monday 10th May 1943 — No. 29754

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

Dist.	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	46	*	*	*	*	*	*	*	*	*
	Croydon ...	290	05·9	-4	SW	4	c-bc/r	46	85	41	7	5	-	6	4-6	7-8	3000
	S. Farnborough	226	04·3	-10	SW	5	9/r	45	92	43	7	5	-	-	10	10	1700
	Boscombe Down	417	04·3	-14	SW'S	5	r9r9	45	92	43	7	5	-	-	10	10	3500
	Thorney Island	10	06·1	-18	SW'S	6	c-bc/r	50	75	41	7	5	2	-	4-6	7-8	4800
	Lympne ...	283	06·6	-8	WSW	5	bc	48	75	42	8	5	-	-	4-6	4-6	1200
	Manston ...	154	06·1	+6	SW	4	ir9	48	75	39	7	2	-	-	10	10	5900
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	04·2	+2	SW'W	6	ir	49	75	43	7	-	2	-	10	10	2700
	Gorleston ...	5	02·4	-2	SSW	5	ido	47	75	41	7	6	2	-	4-6	10	1500
	Mildenhall ...	15	01·9	0	SW	6	c	46	75	38	7	5	1	-	4-6	9	3000
	Cranwell ...	203	99·8	+8	WSW	6	r9r9	43	85	39	7	6	2	-	4-6	10	800
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	01·4	-6	WSW	4	r9r9	43	85	39	6	-	2	-	10	10	2700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	98·3	-36	WSW	6	rr	48	92	45	7	5	2	-	7-8	10	1500
	Bristol ...	209	03·0	-14	SSW	4	r9r9	43	87	42	7	5	-	-	10	10	2200
	Portland Bill ...	32	05·1	-2	W	5	pr	48	92	46	7	5	-	-	7-8	7-8	2500
	Plymouth ...	82	04·0	-30	SW	7	rr	49	92	47	7	5	-	-	10	10	1500
	The Lizard ...	240	04·1	-30	SW	8	rr	49	92	47	7	5	-	-	10	10	1000
	Scilly (St.Mary's)	163	00·8	-42	SW'S	7	9/r	49	92	47	6	5	-	-	10	10	800
	Guernsey ...	175															
6	Pembroke ...	142	98·1	-26	SW	5	rr	47	87	47	7	8	-	-	10	10	1500
7	Holyhead (Valley)	32	97·4	-14	SW	2	r9r9	39	85	85	6	6	2	-	2-3	10	1200
	Chester (Sealand)	16	98·0	0	-	0	r9r9	41	85	38	6	5	2	-	9	10	1900
8	Manchester ...	235	98·5	+4	SW	3	r9r9	39	92	38	6	6	2	-	4-6	10	1400
10	Spurn Head ...	29	97·6	+2	SW'W	6	cq	44	85	39	7	5	2	-	7-8	10	2500
	Catterick (Sc.)	192	96·0	+14	SW	1	bc	35	92	34	7	5	-	-	4-6	4-6	1500
	Tynemouth ...	108	95·3	+10	SSE	4	b-bc	36	85	31	7	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	91·9	+4	W	4	b	35	92	32	7	5	-	-	1	1	4000
	Leuchars ...	36	91·1	-16	WSW	3	b	33	85	29	8	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	93·7	-2	SE	2	b	34	85	29	7	8	-	-	1	1	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	98·7	0	WNW	4	c	39	75	32	8	2	-	7	*	10	2500
13A	Tiree	44	92·7	-2	WNW	2	b-bc/ps	34	97	33	9	3	7	-	1	2-3	2000
13B	Stornoway ...	15	90·7	-4	W	2	bc	36	75	28	8	8	-	-	4-6	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	89·6	-10	WSW	2	bc	33	75	25	9	5	-	-	4-6	4-6	3100
	Wick ...	114	87·8	-2	W	3	bc/pr	34	85	31	8	8	7	-	2-3	4-6	1000
16	Sumburgh ...	19	79·1	-6	W	7	r9r9	41	97	40	7	-	2	-	10	10	1000
17	Blacksod Point	18	93·0	-36	ESE	4	ir9	39	85	35	8	6	2	-	4-6	10	2500
18	Malin Head ...	84	93·2	-14	SW	3	bc	36	75	29	8	9	-	-	4-6	4-6	2500
	Aldergrove ...	268	95·1	-14	SW'W	2	c-bc	36	85	32	8	8	-	-	7-8	7-8	1000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	86·3	-24	SSW	6	iR.	51	97	50	6	6	-	-	10	10	1500
	Roches Point	22	90·9	-86	SW'W	6	rr	46	97	45	7	6	2	-	4-6	10	800

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

Dist.	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	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)	99·2	-20	SSW	5	r9r9	48	92	45	6	6	2	-	7-8	10	800	1	*
	Croydon ...	01·2	-22	S	5	r9r9	48	92	45	6	6	2	-	9+	10	1000	1	*
	S. Farnborough	99·9	-18	SW'S	6	r9r9	48	92	46	6	6	2	-	7-8	10	600	1	*
	Boscombe Down	98·2	-30	S'W	6	rr	48	97	47	6	-	2	-	10	10	600	1	*
	Thorney Island	02·5	-14	S'W	6	r9r9	49	92	48	6	6	2	-	7-8	10	800	1	*
	Lympne ...	04·2	-12	SSW	5	rr	47	85	44	6	6	2	-	7-8	10	700	1	6
	Manston ...	03·4	-14	SSW	6	ir9	48	85	43	7	5	2	-	4-6	10	1000	1	*
2	Shoeburyness ...	03·0	-12	S'W	6	ir9	49	85	44	8	5	-	-	10	10	1500	1	*
	Felixstowe ...	01·6	-12	SSW	7	ir9	49	85	45	7	5	2	-	7-8	10	1500	0	6
	Gorleston ...	98·9	-32	SW	5	r9	47	97	46	6	5	-	-	10	10	1000	1	4
	Mildenhall ...	97·9	-30	SSW	5	r9r9	48	85	44	6	6	2	-	4-6	10	800	1	*
	Cranwell ...	03·2	-4	SW	5	rr	47	92	45	6	6	2	-	7-8	10	600	1	*
3	Birmingham ...	91·1	-40	S	5	rr	46	92	44	7	6	-	-	10	10	800	1	*
	Upper Heyford	95·8	-30	SSW	5	r9r9	47	92	45	6	6	2	-	9	10	800	1	*
4	Ross-on-Wye	97·0	-50	S	7	rr	49	92	46	6	6	-	-	10	10	1500	1	*
5	Hartland Point	88·4	-56	SW	8	rr	51	92	49	6	6	2	-	7-8	10	800	1	6
	Bristol ...	94·5	-40	SSW	6	r9r9	49	97	48	7	6	2	-	10	10	800	1	*
	Portland Bill ...	99·2	-30	WSW	6	rr	49	92	47	7	5	-	-	10	10	2500	1	6
	Plymouth ...	96·3	-36	SSW	7	rr	51	97	50	6	6	2	-	7-8	10	800	1	4
	The Lizard ...	94·9	-30	SW	8	rr	51	97	51	6	5	-	-	10	10	800	1	6
	Scilly (St.Mary's)	91·9	-18	SW'S	7	rr	52	97	51	6	6	2	-	7-8	10	500	1	6
	Guernsey ...																	
6	Pembroke ...	85·1	-50	SW	9	rr	50	97	50	4	8	-	-	10	10	1500	1	5
7	Holyhead (Valley)	82·0	-94	SW'S	5	rr	49	97	49	6	-	2	-	10	10	600	2	2
	Chester (Sealand)	84·7	-100	SE	1	rr	47	92	45	6	5	2	-	2-3	10	1000	1	*
8	Manchester ...	88·1	-80	SSE	5	r9r9	46	92	44	6	6	2	-	7-8	10	1500	1	*
10	Spurn Head ...	93·0	-50	S	5	r9r9	45	92	43	6	5	2	-	7-8	10	1500	1	4
	Catterick (Sc.)	92·7	-24	SW	1	sf	33	97	33	2	-	-	-	10	10	1150	4	*
	Tynemouth ...	93·1	-16	S	3	is9	38	75	30	5	-	2	-	10	10	1800	1	3
11	St. Abbs Head	90·7	-10	SW	3	c	34	97	34	8	5	-	-	9	9	3500	0	3
	Leuchars ...	90·7	-2	-	0	c	35	85	31	6	-	7	8	0	9	-	0	*
12	Renfrew (Abbots I.)	89·8	-22	SSE	1	2o	37	85	32	5	5	7	-	4-6	10	3500	1	*
	Eskdalemuir ...	90·7	-20	-	0	2o	31	92	28	6	5	2	-	4-6	10	700	1	*
	Point of Ayre...	89·1	-38	SE'E	3	SoSo	34	97	34	6	-	2	-	10	10	2000	4	2
13A	Tiree	89·9	-4	ENE	1	b-bc	39	85	34	9	3	4	3	2-3	2-3	2500	1	2
13B	Stornoway ...	88·4	-12	W	2	b-bc	38	75	30	9	2	6	-	2-3	2-3	2800	1	2
15	Dalwhinnie ...	90·0	-6	-	0	b-bc	31	85	27	8	1	-	5	1	2-3	1500	1	*
	Aberdeen † ...	89·4	0	NSW	2	b-bc	37	55	23	8	1	-	9	Tr	2-3	4000	1	1
	Wick ...	87·6	0	NSW	4	bc	37	75	29	9	3	3	-	4-6	4-6	2000	1	*
16	Sumburgh ...	82·3	+18	NSW	8	rr	38	92	35	6	-	2	-	10	10	900	1	4
17	Blacksod Point	89·0	-4	E'N	2	c	37	85	33	9	3	-	-	10	10	4000	*	3
18	Malin Head ...	88·1	-16	S	2	phr	37	75	30	8	3	2	-	2-3	9+	2500	2	3
	Aldergrove ...	88·6	-30	-	0	SoSo	33	92	32	5	5	2	-	9	10	2000	1	*
19	Birr Castle ...	85·4	-18	NNE	3	SS	33	97	32	4	5	-	-	10	10	800	7	*
20	Valentia Obsy.	84·8	-22	NNE	5	c	41	85	37	8	5	7	-	7-8	9+	2500	1	3
	Roches Point	82·9	-6	NSW	6	ir	50	97	49	7	6	2	-	4-6	9+	800	1	5

PAST 24 HOURS.

Dist.	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F. (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 9th Hrs. (38)
1	London (Kew)	54	46	42	Tr	3	6·0
	Croydon ...	55	46	43	0·1	3	7·0
	S. Farnborough	55	44	41	0·2	6	7·9
	Boscombe Down	52	42	42	-	5	9·6
	Thorney Island	56	44	42	0·3	3	*
	Lympne ...	53	45	40	0·2	0·5	6·6
	Manston ...	54	46	40	1	0·4	5·5
2	Shoeburyness ...	56	47	41	0·4	Tr	5·8
	Felixstowe ...	55	45	44	Tr	0·1	5·[illegible]
	Gorleston ...	54	45	37	0·6	0·6	5·0
	Mildenhall ...	54	44	42	Tr	2	6·4
	Cranwell ...	52	39	38	1	5	6·5
3	Birmingham ...	51	41	39	0·2	8	5·6
	Upper Heyford	54	41	35	0·1	6	*
4	Ross-on-Wye	53	42	41	Tr	13	7·8
5	Hartland Point	50	42	41	-	13	8·7
	Bristol ...	55	43	40	Tr	14	9·3
	Portland Bill ...	51	47	*	-	9	*
	Plymouth ...	54	51	43	-	14	10·4
	The Lizard ...	54	46	*	0·5	6	10·9
	Scilly (St.Mary's)	54	49	*	0·1	5	9·1
	Guernsey ...						
6	Pembroke ...	49	49	*	1	18	7·0
7	Holyhead (Valley)	51	32	32	0·3	19	*
	Chester (Sealand)	52	38	37	3	13	6·5
8	Manchester ...	50	36	*	1	15	*
10	Spurn Head ...	52	40	*	2	4	6·7
	Catterick (Sc.)	51	32	30	0·5	5	6·5
	Tynemouth ...	52	36	33	0·4	Tr	*
11	St. Abbs Head	48	31	*	0·1	-	*
	Leuchars ...	52	31	25	Tr	-	7·2
12	Renfrew (Abbots I.)	49	33	24	1	Tr	6·9
	Eskdalemuir ...	48	29	26	Tr	0·3	5·5
	Point of Ayre...	54	33	*	Tr	3	5·2
13A	Tiree	45	31	24	Tr	1	9·0
13B	Stornoway ...	46	30	25	-	Tr	9·4
15	Dalwhinnie ...	45	23	16	-	0·1	7·7
	Aberdeen † ...	46	32	24	0·5	-	3·9
	Wick ...	43	31	31	6	0·5	*
16	Sumburgh ...	46	38	36	11	7	0·0
17	Blacksod Point	45	36	*	3	0·3	*
18	Malin Head ...	44	33		3	0·4	3·8
	Aldergrove ...	46	33	22	6	0·3	4·3
19	Birr Castle ...	50	32	32	5	12	4·0
20	Valentia Obsy.	51	41	41	4	20	2·6
	Roches Point	52	45	*	1	19	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

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

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
109	02	63648	61768	51	61746	61668	5-	86838	58568
115	82	85735	32388	87	02844	32427	52	27845	28587
203				6-	83838	32528	8-	83545	08325
206	26	02363	63585	87	85555	32327	57	02866	26877
210	27	02353	28525	37	02854	31326	20	05654	12274
219	-	74409	02179						
230	3-	10856	21416	3-	26965	22326			
245	20	02365	24416	20	01853	22524	54	01951	24211
260	10	01942	26423	00	01863	23414	50	01753	20413
278	83	81854	60485	5-	25548	61468	2-	01855	22385
279	10	02954	26524	82	86526	26426	00	02790	26287
285							6-	72428	10678
288	21	01854	57626	81	02854	21417	07	01790	20183
572	8-	10856	22187	53	26746	28287	5-	05647	14127
301	20	01854	61714	62	62835	22568	5-	61758	24428
321							52	64545	3268
2	87	14744	28655	81	01753	20614	52	02746	24426
292	14	01951	61614	93	25344	22285	28	01753	22284
310							5-	64628	20678
614	10	02854	58525	8-	65656	55327	02	64548	22368

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

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
333				52	22846	55668	02	62758	00068
334									
340				42	02954	55588	02	62748	22268
1368	8-	02765	25566	26	01863	22684	51	02765	20668
336									
350	17	02853	59626	40	02853	55515	5-	61758	53463
368							5-	62508	26468
379	10	01853	61584	51	02843	55686	5-	64638	55563
390	10	05653	59615	10	02644	55615	52	62545	55346
392	10	02954	61614	17	02952	57426	5-	61758	54468
434	14	74753	20714	18	74763	24714	8-	63656	24886
430	10	02854	59524	10	01853	55413	20	02752	57853
409	16	01854	25524	26	02855	55628	02	62648	53688

52	62748	22268	52	64644	16268				
51	02765	20668	62	62637	18568				
			62	66626	20768				
40	02853	55515	5-	62687	50568				
			5-	62508	26468	62	64535	53668	
51	02843	55686	5-	64638	55563				
10	02644	55615	52	62545	55346	5-	62546	51568	
17	02952	57426	5-	61758	54468	62	68635		
18	74763	24714	8-	63656	24886	52	62645	24868	
10	01853	55413	20	02752	57853	7	64537	51568	
26	02855	55628	02	62648	53688	62	64736	51868	

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 10th May
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 ...	i6zcy	cbcy	bayrr9	Kew 24 hours ended 7h Max. T[illegible]
Croydon ...	cm.ir9c	bcy	cbc1r9r9	
Greenwich ...	crcq	bcyqr	cbycrrq	Min. Time
Camden Square	c	bc	*	
Kensington ...	cbc	bc	*	
Hampstead ...	bc	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 %	Humidity. 9h % Today
Kew ...	54	46	42	Tr	3	6·0	*	*
Croydon ...	55	46	43	0·1	3	7·0	*	*
Greenwich ...	56	45	39	Tr	5	6·6	90	87
Westminster ...	55	44	42	*			44	38
Regents Park ...	54	45	42	Tr	5		43	93
Camden Square	56	43	43	-	5	*	*	90
Kensington ...	57	45	42	-	5		40	93
Hampstead ...	51	35	33	0·8	2		*	76

SECRET

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

Tuesday 11th May 1943

No. 22755

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

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)	35·8	-16	SSW	6	r r	52	85	48	6	6	2	-	7-8	10	800
	Croydon ...	37·3	-18	S	6	r r	51	82	48	6	6	2	-	9	10	700
	S. Farnborough	36·5	-18	SSW	6	rr	52	82	49	6	6	2	-	7-8	10	500
	Boscombe Down	34·0	-16	SSW	8	rr	51	87	51	6	6	-	-	10	10	300
	Thorney Island	38·2	-14	S	7	r r	53	82	50	6	6	2	-	9	10	800
	Lympne ...	00·7	-18	SSW	8	ir	51	85	46	7	6	2	-	9+	10	600
	Manston ...	00·1	-14	SSW	7	r r	53	78	45	6	6	-	-	10	10	800
2	Shoeburyness ...	35·2	-10	S	7	ir	54	75	47	7	6	2	-	7-8	9+	1500
	Felixstowe ...	37·3	-14	SSW	9	r r	53	85	48	6	5	2	-	7-8	10	2500
	Gorleston ...	35·5	-10	SW'S	8	oq	51	85	46	6	6	-	-	10	10	1000
	Mildenhall ...	33·1	-18	S	6	r r	53	85	48	7	6	2	-	4-6	10	800
	Cranwell ...	37·2	-18	S'W	7	r r	54	85	49	7	5	-	-	9	9+	600
3	Birmingham ...	37·5	0	SSW	5	o/r	51	87	50	7	6	-	-	10	10	800
	Upper Heyford	31·2	-10	SSW	8	rr	51	82	49	6	6	2	-	9+	10	800
4	Ross-on-Wye	38·9	0	SW	6	ir	52	82	50	8	6	2	-	2-3	10	1000
5	Hartland Point	38·7	+12	WSW	6	c/r	51	87	51	7	5	4	-	4-6	9	1000
	Bristol ...	31·1	-10	SSW	6	rr	52	87	52	6	6	2	-	9	10	600
	Portland Bill ...	35·1	-22	SW	7	rr	50	82	48	7	5	-	-	10	10	2500
	Plymouth ...	32·6	-16	SSW	8	rr	52	87	52	6	6	2	-	9	10	600
	The Lizard ...	32·2	0	SW	8	rr	52	87	52	6	5	-	-	10	10	1000
	Scilly (St.Mary's)	30·6	+8	SW'W	5	c-bc	54	87	53	6	5	4	2	7-8	7-8	1200
	Guernsey ...															
6	Pembroke ...	36·1	+6	N'W	6	oq	52	82	49	7	8	-	-	10	10	2000
7	Holyhead (Valley)	37·5	+34	NNE	2	c/r	43	85	38	8	5	-	-	9+	9+	1500
	Chester (Sealand)	35·7	+30	NW'N	3	ir	45	85	42	7	5	-	-	10	10	1000
8	Manchester ...	34·3	+12	SSW	4	PR	43	85	48	9	9	-	-	10	10	1500
10	Spurn Head ...	36·0	-34	SSW	8	ir	53	85	47	6	5	2	-	7-8	10	2500
	Catterick (Sc)...	34·2	-10	N	2	r r	54	87	54	6	5	2	-	9	10	800
	Tynemouth ...	33·6	-30	NE	6	ir	37	92	35	7	-	2	-	10	10	1800
11	St. Abbs Head	37·3	-8	—	0	9	36	97	36	5	5	-	-	10	10	1500
	Leuchars ...	36·5	-14	NNE	1	c	43	68	31	7	8	7	-	4-6	10	2000
12	Renfrew (Abbots L.)	37·1	-2	ESE	1	c	43	55	29	8	8	7	9	9	9+	2000
	Eskdalemuir ...	35·6	-6	NE'N	3	c/s	27	85	22	7	5	2	-	9	10	1500
	Point of Ayre...	36·2	+28	NE	5	c	41	85	36	8	8	6	8	7-8	9+	3000
13A	Tiree	38·9	+2	N	1	bc	44	55	30	9	2	-	-	4-6	4-6	3500
13B	Stornoway ...	36·3	-8	WSW	5	bc	47	35	23	9	1	-	-	4-6	4-6	2800
15	Dalwhinnie ...	37·5	-6	NE	3	c-bc	42	45	23	8	8	9	-	7-8	7-8	2500
	Aberdeen ...	36·9	+16	E	2	c	42	65	29	8	1	-	1	Tr	9+	4000
	Wick ...	35·4	-8	WNW	2	c-bc	46	45	28	9	8	-	-	7-8	7-8	2000
16	Sumburgh ...	33·8	+4	SW	6	pr	43	75	35	8	3	6	3	4-6	7-8	2500
17	Blacksod Point	31·5	+20	NNW	3	bc	46	65	36	9	8	-	-	4-6	4-6	2500
18	Malin Head ...	33·2	+10	N'W	3	bc	43	65	37	8	9	-	-	4-6	4-6	1500
	Aldergrove ...	33·5	+10	NW	2	c	42	65	32	9	8	7	9	4-6	9	2500
19	Birr Castle ...	30·5	+26	NNW	2	c	42	75	35	9	8	2	-	7-8	10	1500
20	Valentia Obsy.	31·5	+34	NE	4	c	46	75	39	9	2	5	1	4-6	9	2500
	Roches Point	33·7	+30	NNW	4	c-bc/r	46	85	42	8	5	-	-	7-8	7-8	1500

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. ·mt. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. (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)	32·6	-14	SSW	5	d d	51	92	49	6	6	2	-	7-8	10	800	1	*
	Croydon ...	34·2	-22	S	5	r r	51	92	50	6	6	2	*	7-8	10	500	1	*
	S. Farnborough	32·7	-18	SW'S	5	c/r	52	87	51	7	6	7	4	7-8	9	400	1	*
	Boscombe Down	32·9	-2	SW'S	4	c	54	92	52	8	6	-	8	7-8	9+	500	1	*
	Thorney Island	34·6	-6	SSW	6	ir	53	87	51	6	6	2	-	7-8	9+	800	1	*
	Lympne ...	36·3	-30	SSW	7	rr	50	87	49	4	6	2	-	9+	10	1150	0	§7
	Manston ...	36·4	-26	SSW	6	r r	49	87	49	5	6	2	-	7-8	10	300	1	*
2	Shoeburyness ...	35·6	-18	S	8	r r	52	92	49	5	6	2	-	7-8	10	800	1	*
	Felixstowe ...	35·6	-2	SSW	7	ir	51	82	49	6	5	2	-	7-8	10	2500	1	6
	Gorleston ...	33·3	-10	SW'S	8	rr	51	92	48	6	6	-	-	10	10	600	1	6
	Mildenhall ...	31·4	-14	S	6	c/d	53	92	51	7	6	2	-	7-8	10	800	1	*
	Cranwell ...	33·3	+6	SW	6	c	55	86	49	8	8	7	-	4-6	9+	900	1	*
3	Birmingham ...	33·5	+10	NW	4	ir	44	92	42	4	6	-	-	10	10	800	1	*
	Upper Heyford	33·3	-2	SW'S	4	ir	53	92	50	8	5	-	-	4-6	10	800	2	*
4	Ross-on-Wye	33·4	+12	WSW	5	c/d	53	85	47	7	8	4	-	9	9+	2500	1	*
5	Hartland Point	33·3	+44	W	5	c-bc	49	85	46	8	3	4	-	4-6	7-8	1500	1	5
	Bristol ...	32·5	+14	W	4	c/pr	53	87	50	7	8	-	-	9+	9+	2500	1	*
	Portland Bill ...	34·0	-6	SW	6	c	51	92	49	7	5	-	-	10	10	2500	1	6
	Plymouth ...	33·1	+26	W	5	c/pr	53	92	51	6	8	3	2	7-8	9	1000	1	4
	The Lizard ...	32·7	+20	WSW	7	c-bc	53	92	51	7	2	-	-	7-8	7-8	2000	1	5
	Scilly (St.Mary's)	33·3	+32	WSW	6	c	53	85	48	7	8	7	-	7-8	9+	1200	1	6
6	Pembroke ...	34·2	+50	N	3	c	45	75	39	8	8	-	-	9+	9+	2000	1	4
7	Holyhead (Valley)	32·7	+36	NNW	3	c	44	65	35	8	8	4	5	4-6	9	2500	1	2
	Chester (Sealand)	30·9	+30	NW'N	3	c/r	43	75	36	8	5	2	-	7-8	10	2000	1	*
8	Manchester ...	31·3	+24	W	4	r r	40	85	37	6	2	7	-	7-8	9+	2500	1	*
10	Spurn Head ...	33·2	+12	S'W	6	c	54	85	49	7	9	2	-	7-8	10	1500	1	4
	Catterick (Sc)...	33·9	+22	NNE	2	c	36	97	35	8	5	2	-	9	10	2000	4	*
	Tynemouth ...	30·0	+34	NNW	4	c/d	39	92	37	7	8	-	-	9+	9+	1400	1	3
11	St. Abbs Head	33·8	+14	W	1	c-bc	40	85	35	7	5	7	-	4-6	7-8	2500	0	3
	Leuchars ...	33·6	+10	—	0	≡	44	65	34	6	8	6	-	4-6	7-8	3000	0	*
12	Renfrew (Abbots L.)	30·0	+24	S'W	1	c-bc/ph	41	85	36	9	3	7	-	7-8	7-8	1800	1	*
	Eskdalemuir ...	29·2	+26	—	0	c-bc	39	65	29	8	8	3	-	2-3	7-8	2200	1	*
	Point of Ayre...	31·0	+28	NW'N	4	b-bc	46	65	34	8	2	4	-	2-3	2-3	3000	1	4
13A	Tiree	30·8	+14	WNW	3	bc	43	55	29	9	3	-	-	2-3	4-6	4000	0	2
13B	Stornoway ...	30·5	-2	WSW	6	c-bc	41	65	29	9	3	6	3	4-6	7-8	2200	0	4
15	Dalwhinnie ...	29·0	+14	WNW	3	c-bc	38	65	27	8	8	4	2	4-6	7-8	2500	0	*
	Aberdeen ...	27·5	+10	W'N	3	c-bc/p	44	65	38	7	2	3	-	7-8	7-8	2500	1	1
	Wick ...	26·0	0	W'S	4	bc	46	45	23	9	8	-	3	4-6	4-6	2000	0	*
16	Sumburgh ...	24·1	-2	WSW	6	bc	44	65	34	9	2	-	-	4-6	4-6	2000	1	4
17	Blacksod Point	25·7	+26	W'N	4	c-bc	41	75	34	9	3	-	3	4-6	7-8	1500	1	3
18	Malin Head ...	31·0	+22	WNW	3	bc	44	55	29	8	9	-	-	4-6	4-6	2500	2	2
	Aldergrove ...	32·1	+26	W'N	3	bc	46	55	30	9	8	-	-	4-6	4-6	3000	1	*
19	Birr Castle ...	29·9	+26	WNW	2	c-bc	48	55	33	8	4	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy.	28·1	+38	NW'N	3	b	47	55	32	9	1	-	-	1	1	2500	1	3
	Roches Point	25·9	+42	N'W	5	b-bc	48	65	37	8	1	-	-	2-3	2-3	4000	1	4

PAST 24 HOURS.

District	Stations (For heights see p. 4.)	Weather. 7h.—13h. 10th. (39)	Weather. 13h.—18h. 10th (40)	Weather. 18h. 10th to 1h. 11th (41)	Weather. 1h.–7h. 11th (42)
1	London (Kew)	cr r m	cr r r d	ir r r Rc	c b m
	Croydon ...	r r r r m	cr r m	c r r m c	b c m
	S. Farnborough	cr r m	cr r d r m d	c c r R r r m c	c b c b m x b c
	Boscombe Down	c r r m	c r r m c	c p r c b c b	b b c c w
	Thorney Island	c r r m	c r r m	c m c c c m	c m c b c
	Lympne ...	c r r r	c r r m	c r s r m c	b c c m
	Manston ...	c r r r	c r r r r m	c i r r r m c	c b m c b c
2	Shoeburyness ...	c i r c	c i r c c s m	c i r	c i r b c
	Felixstowe ...	c i r s m c	c i r m	c i r s m c m	c m c t b z
	Gorleston ...	o r r c z q	o r q	b c c z	c p c z b
	Mildenhall ...	c r r m	c r r m c	c i d c b c b m	m b c b
	Cranwell ...	c r r	c r r r b c	c r r b m	b, c, b m
3	Birmingham ...	o r r	o c o	o P R b	b
	Upper Heyford	c r r r r m	c r r m c	V c m b	b b c x
4	Ross-on-Wye	r r q R q	r q c q i d	*	b c b
5	Hartland Point	r r c	c p r	c b c	b c
	Bristol ...	c r r r r m	c r r i R q p r	b b c	b m c
	Portland Bill ...	o r r	o r r c	o c	c c
	Plymouth ...	c r r m	c r r m p r	c m p r	b b c i f c m
	The Lizard ...	r r	r r b c c	c b c	b c c
	Scilly (St.Mary's)	c r r c	c	c b c b	c c i r
	Guernsey ...				
6	Pembroke ...	c i d m	m q c	b c	b c
7	Holyhead (Valley)	c i r c	c	b c j p b	b b c b v
	Chester (Sealand)	c r i r m	c r r	b c p r b	b b c b m
8	Manchester ...	r r pr	c p R	c r r b c m	b c m i r m
10	Spurn Head ...	i r c q	c	b	b c
	Catterick (Sc)...	c r r m	c	b c	b b c
	Tynemouth ...	c s m r s r s	o c i r	c b c	b c m
11	St. Abbs Head	c m r s c s s	c s r c	b c c r b c b	o b c
	Leuchars ...	c m c	c j p p r m	r s b c y b m	b m b c b
12	Renfrew (Abbots L.)	c m p r s c	p r s p t f c	c p r b c b b c b	b b c p r s
	Eskdalemuir ...	c s s c	c		
	Point of Ayre...	r s r s c	c b	c b	b b c c
13A	Tiree	b c y	b c y	b b c p s	b c p r
13B	Stornoway ...	b c	b c y p h c	c p r s c p r	c r r
15	Dalwhinnie ...	b c y	c p h		c p s b
	Aberdeen ...	b y b c c	c b c c p	c y p b w	b w b
	Wick ...	b c c	c p h r	c	c
16	Sumburgh ...	o r r b c	c b c	b c c p r s h r r	c m
17	Blacksod Point	b c	b c	p r	b c
18	Malin Head ...	p r	b c	p r	p r
	Aldergrove ...	c s s s s m c	c b c y	b c b	b b c
19	Birr Castle ...	s	c		b c
20	Valentia Obsy.	c	b c	p r	r
	Roches Point	r	c	b	b

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales	Moderate or fresh south to southwest winds; fair at first in North and East, but some rain spreading from the Southwest with hill fog over high ground; rather cold.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Moderate westerly winds, backing southeast gradually; fair today, rain spreading from the Southwest tomorrow; rather cold.
13A W. Scotland ... 13B N.W. Scotland ↓ 14 Mid Scotland 15 N.E. Scotland ↓	Fresh or strong westerly winds, moderating generally, becoming variable light in the South; thundery showers of rain and hail at first, becoming mainly fair later; rather cold.
16 Orkneys and Shetlands ↓	As 13A - 15
17 N.W. Ireland 18 N.E. Ireland	Light or moderate southerly winds, backing temporarily, becoming variable light; fair at first; rain later; rather cold.
19 S.E. Ireland 20 S.W. Ireland	Moderate or fresh southeasterly winds, veering west; rain and hill fog at first; showers later; rather cold.

GENERAL INFERENCE

A large depression north of Scotland and a depression west of Ireland are moving northeast; weather will be showery in the North, becoming fair later; rain will spread northeast across southern and central districts; rather cold generally.

FURTHER OUTLOOK

Rain in the North, followed by showers, warmer in the South, with further periods of rain.

↓ Gale warning in operation in districts 13B, 15, 16, time of issue 22.50 G.M.T. 10th May

Forecasts issued at 1030.

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

7h. Tuesday 11th May. 1943.

LOW

HIGH

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F.

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in 8mbs

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

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

5°E. Scale 1 : 5,000,000

Mb

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

Morning of

Tuesday 11th May

1943.

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 two hours to get double summer time.

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

Tuesday 11th May. 1943 — No. 29755

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

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	*	*	*	*	*	43									
	Croydon ...	290	04·2	+62	W'S	3	c	45	85	39	6	5	-	-	9+	9+	2400
	S. Farnborough	226	04·2	+60	W'S	1	b-bc	43	85	39	7	5	-	-	2-3	2-3	2500
	Boscombe Down	417	04·6	+48	N	1	b	39	85	36	7	-	-	-	0	0	-
	Thorney Island	10	04·5	+50	W'N	3	c	47	85	42	6	5	-	-	9+	9+	5800
	Lympne ...	283	03·1	+38	N	3	c/r	48	97	47	7	5	-	-	9+	9+	1500
	Manston ...	154	02·4	+34	WNW	3	roro	47	97	45	5	6	2	-	9	10	700
2	Shoeburyness ...	11	*	*	*	*	c/r	55	92	52	6	*	*	*	9+	9+	*
	Felixstowe ...	12	01·6	+62	WNW	4	c/r	55	92	52	6	5	-	-	9+	9+	3000
	Gorleston ...	5	00·1	+74	NW	4	2o	44	85	39	6	8	-	-	9	9	1500
	Mildenhall ...	15	02·0	+60	W	4	2o	39	85	36	6	-	-	-	0	0	-
	Cranwell ...	203	01·6	+52	W	2	2o	36	92	34	5	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	03·0	+50	W'S	2	b	37	92	35	8	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	04·8	+38	WNW	3	bc	45	85	39	8	2	4	-	2-3	4-6	2500
	Bristol ...	209	05·8	+50	WNW	1	2o	38	92	36	6	-	-	-	0	0	-
	Portland Bill ...	32	04·4	+52	W	5	c-bc	50	92	48	7	5	-	-	7-8	7-8	4000
	Plymouth ...	82	06·2	+44	WNW	3	b	44	97	43	7	2	-	-	1	1	2000
	The Lizard ...	240	05·7	+34	WNW	4	b-bc	46	85	40	8	2	-	1	2-3	2-3	2500
	Scilly (St. Mary's)	163	05·4	+24	NW'N	2	b	46	75	40	8	1	-	-	1	1	1800
	Guernsey ...	175															
6	Pembroke ...	142	04·7	+32	NW	3	b-bc	45	65	32	8	2	-	-	2-3	2-3	2500
7	Holyhead (Valley)	32	02·4	+34	WNW	3	b-bc	42	75	34	8	2	6	-	2-3	2-3	2500
	Chester (Sealand)	16	01·5	+42	WNW	1	b	38	85	35	8	5	-	-	Tr	Tr	3000
8	Manchester ...	235	01·9	+42	SW	3	2o	38	85	35	6	5	-	-	4-6	4-6	2000
10	Spurn Head ...	29	00·0	+48	W	4	b	40	85	35	7	-	-	-	0	0	-
	Catterick (Sc.) ...	192	99·3	+40	WNW	2	b	35	85	30	7	-	-	-	0	1	-
	Tynemouth ...	108	98·3	+34	NNW	4	b-bc	37	75	30	7	2	4	-	1	2-3	2500
11	St. Abbs Head	280	95·4	+30	SW	4	b	36	92	34	7	4	-	-	1	1	2500
	Leuchars ...	36	94·8	+26	SSW	2	b	34	92	31	6	-	-	-	0	0	-
12	Renfrew (Abbotsl.)	19	97·3	+28	SW'N	3	b-bc	38	75	32	7	3	-	-	2-3	2-3	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	99·4	+36	WNW	4	b	42	75	34	8	2	-	-	1	1	2000
13A	Tiree	44	95·5	+18	W	6	prs	41	65	29	8	9	-	3	9	9+	2000
13B	Stornoway ...	15	87·4	+6	WSW	8	pr	40	75	34	8	-	7	-	0	10	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	Tr	1	*
	Aberdeen † ...	79	92·7	+16	SW	1	b	34	65	26	9	5	7	-	7-8	9+	3500
	Wick ...	114	86·2	-6	SW	5	c	37	75	29	8	5	2	-	7-8	9+	2000
16	Sumburgh ..	19	82·5	-8	S'W	8	c/r	42	75	35	8	5	2	-	7-8	10	1500
17	Blacksod Point	18	01·9	+22	WNW	4	c-bc/pr	40	85	36	8	9	-	-	4-6	7-8	2500
18	Malin Head ...	84	87·6	+22	W	3	PH R	40	85	36	8	9	-	-	7-8	7-8	2500
	Aldergrove ...	268	00·3	+22	S	1	b	37	85	33	8	-	-	-	0	0	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	04·3	+16	NE	1	c	41	85	37	9	5	-	-	9+	9+	4000
	Roches Point	22	04·7	+26	WNW	3	b	42	85	38	8	5	-	-	1	1	2500

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

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)	12·1	+38	SW	2	2o	45	85	40	6	5	-	1	2-3	2-3	4000	1	*
	Croydon ...	12·5	+38	SW	1	bc	45	65	35	6	-	-	4	0	4-6	-	1	*
	S. Farnborough	12·0	+34	WSW	2	b-bc	42	85	39	8	1	-	8	Tr	2-3	2500	1	*
	Boscombe Down	11·8	+26	-	0	c	43	85	39	7	-	-	6	0	9	-	0	*
	Thorney Island	12·4	+36	-	0	bc	44	85	40	8	-	-	6	0	4-6	-	1	*
	Lympne ...	12·6	+46	WSW	1	c	45	75	38	7	-	-	6	0	9+	-	1	*
	Manston ...	12·0	+46	W	1	c-bc	45	75	38	7	-	-	6	0	7-8	-	1	*
2	Shoeburyness ...	12·2	+32	WNW	2	2o	46	75	39	6	-	-	6	0	4-6	-	1	*
	Felixstowe ...	10·9	+46	WSW	2	2o	44	75	36	6	-	-	5	0	2-3	-	1	3
	Gorleston ...	09·9	+42	W	2	b	37	85	34	7	-	-	-	0	0	-	1	2
	Mildenhall ...	10·3	+42	WSW	2	2o	41	85	36	6	-	4	-	0	Tr	-	1	*
	Cranwell ...	09·4	+40	W'S	4	b	42	85	37	6	-	-	-	0	0	-	0	*
3	Birmingham ...	10·2	+28	WSW	3	b	40	92	38	7	-	-	1	0	1	-	1	*
	Upper Heyford	10·7	+36	WSW	2	b-bc	40	85	36	7	-	-	5	0	2-3	-	1	*
4	Ross-on-Wye	10·4	+28	SW	2	b-bc	42	75	34	8	1	-	6	Tr	2-3	3500	1	*
5	Hartland Point	10·2	+26	SE	2	c	44	75	38	8	1	4	7	1	9+	2500	1	3
	Bristol ...	11·4	+26	SW	2	c-bc	45	85	39	8	-	-	6	0	7-8	-	1	*
	Portland Bill ...	11·3	+22	NE	3	c	48	85	44	8	2	4	-	4-6	10	4000	1	4
	Plymouth ...	11·9	+30	SE	1	fs	43	97	43	6	5	7	-	2-3	9	5000	1	2
	The Lizard ...	10·4	+24	SE	3	0	49	85	46	8	5	-	-	10	10	1500	0	
	Scilly (St. Mary's)	09·1	+25	S'W	2	ir	48	85	43	7	5	-	-	10	10	1200	1	4
	Guernsey ...																	
6	Pembroke ...	09·8	+30	WSW	3	b-bc	47	85	43	8	2	2	-	2-3	2-3	2500	1	3
7	Holyhead (Valley)	08·1	+26	W'S	3	b	45	65	35	9	1	-	8	Tr	1	3500	1	2
	Chester (Sealand)	07·7	+30	WNW	1	b-bc	45	65	35	8	2	-	-	2-3	2-3	3000	1	*
8	Manchester ...	09·2	+36	S'W	3	2o	41	75	35	6	2	-	1	2-3	4-6	2500	1	*
10	Spurn Head ...	07·7	+38	SW'N	4	b-bc	42	75	34	7	-	4	-	0	2-3	-	0	3
	Catterick (Sc.) ...	06·6	+40	WSW	2	bc	42	75	33	8	2	3	6	2-3	4-6	3000	4	*
	Tynemouth ...	04·2	+24	W	4	2o	42	65	32	5	-	4	-	0	2-3	-	1	3
11	St. Abbs Head	01·0	+30	SW	4	b-bc	39	92	36	8	2	-	-	2-3	2-3	3000	0	3
	Leuchars ...	99·6	+26	W	5	b-bc	41	75	34	8	2	4	-	1	2-3	3000	0	*
12	Renfrew (Abbotsl.)	02·3	+30	SW'W	4	rs	41	75	34	7	3	6	3	4-6	4-6	1800	1	*
	Eskdalemuir ...																	*
	Point of Ayre ...	05·9	+26	W'N	4	c-bc	44	75	35	8	2	-	2	1	7-8	2500	1	4
13A	Tiree	00·3	+30	W'N	6	bc	45	55	32	9	3	-	-	4-6	4-6	3000	0	4
13B	Stornoway ...	94·1	+38	NSW	6	pr	42	85	37	8	3	6	3	7-8	9	2200	1	4
15	Dalwhinnie ...	98·0	+28	WSW	4	b-bc	37	65	24	8	8	-	-	2-3	2-3	2500	4	*
	Aberdeen † ...	97·0	+24	SW	3	b	40	65	29	8	5	4	-	Tr	Tr	4000	1	2
	Wick ...	91·7	+46	WSW	6	c	43	75	35	8	5	-	-	9	9	3000	0	*
16	Sumburgh ..	83·7	+28	W'N	7	rr	45	85	42	7	6	2	-	9	10	900	1	4
17	Blacksod Point	04·5	+14	-	0	c-bc	46	75	39	9	8	-	6	2-3	7-8	2500	1	2
18	Malin Head ...	02·5	+28	NW'W	5	c-bc	45	65	34	8	9	-	-	7-8	7-8	2500	2	4
	Aldergrove ...	05·6	+30	WSW	2	c-bc	39	85	33	9	2	-	6	1	7-8	2000	1	*
19	Birr Castle ...	07·2	+22	SSE	1	bc	38	85	34	8	-	-	5	0	4-6	-	1	*
20	Valentia Obsy.	04·6	0	SE	5	ir	46	75	39	9	5	2	-	2-3	10	4000	1	3
	Roches Point	07·8	+12	SE	3	c-bc	44	85	40	8	5	3	-	4-6	7-8	2500	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 11th Hrs. (38)
1	London (Kew)	52	39	26	11	4	0·0
	Croydon ...	57	39	33	22	3	0·0
	S. Farnborough	53	35	24	16	3	0·1
	Boscombe Down	54	35	34	17	9	0·5
	Thorney Island	60	38	29	9	0·2	*
	Lympne ...	52	39	32	10	4	0·0
	Manston ...	54	39	35	4	3	0·0
2	Shoeburyness ...	54	38	32	3	1	0·0
	Felixstowe ...	55	40	35	3	3	0·0
	Gorleston ...	54	37	34	3	1	0·0
	Mildenhall ...	55	36	32	3	Tr	0·0
	Cranwell ...	55	35	31	2	1	0·8
3	Birmingham ...	54	35	31	12	2	0·0
	Upper Heyford	53	34	25	18	0·2	*
4	Ross-on-Wye	56	37	30	19	-	1·0
5	Hartland Point	52	44	38	4	-	0·6
	Bristol ...	57	34	24	21	Tr	0·7
	Portland Bill ...	51	43	*	10	0·6	*
	Plymouth ...	55	38	30	17	3	1·6
	The Lizard ...	55	44	*	9	Tr	3·2
	Scilly (St. Mary's)	56	45	*	6	17	5·5
	Guernsey ...						
6	Pembroke ...	52	40		4	Tr	0·4
7	Holyhead (Valley)	51	40	35	1	-	
	Chester (Sealand)	57	33	33	7	0·6	0·4
8	Manchester ...	45	34	31	8	0·3	*
10	Spurn Head ...	54	39	*	3	6	0·4
	Catterick (Sc.) ...	37	33	24	18	-	0·0
	Tynemouth ...	40	35	32	15	-	*
11	St. Abbs Head	41	33		1	Tr	
	Leuchars ...	45	33	29	Tr	Tr	1·5
12	Renfrew (Abbotsl.)	48	35	27	1	0·4	3·5
	Eskdalemuir ...	39			2		
	Point of Ayre ...	47	40	*	5	-	4·6
13A	Tiree	46	37	34	-	0·1	12·3
13B	Stornoway ...	48	38	35	Tr	3	11·3
15	Dalwhinnie ...	45	31	27	Tr	0·6	9·5
	Aberdeen † ...	44	34	29	-	-	7·6
	Wick ...	49	36	32	0·2	-	
16	Sumburgh ..	45	37	36	0·4	3	6·6
17	Blacksod Point	47	38	*	-	0·4	
18	Malin Head ...	46	38		2	2	9·9
	Aldergrove ...	47	34	30	1	-	6·8
19	Birr Castle ...	48	30	25	4	-	2·7
20	Valentia Obsy.	48	39	33	-	Tr	8·6
	Roches Point	50	36	*	1	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 10th May ... 18h. G.M.T. | 01h. G.M.T. 11th May ... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	20	02855	21525	36	01853	53613	8-	81768	51688	87	02745	57865
115	24	02954	24585	37	88944	57587	52	62845	91788	34	27844	93886
203												
206	10	01964	20314	36	01953	24414	5-	02857	57587	36	81853	55685
210	20	01963	22214	36	10963	25313	30	01963	28403	46	01962	55514
219	26	01964	26414	30	27954	22585	36	01854	23824	36	81844	24585
230	1-	01963	29213	30	10964	24215	30	01853	53483	26	10965	22415
245	11	02953	06228	83	02854	16315	50	00951	26111	54	01951	22402
260	5-	05668	06176	32	10855	24426	04	05590	24300			
278	17	02855	31477	24	01952	29302	50	01842	29302	20	01853	23404
279	52	23845	06376	53	02855	26176	50	01853	22313			
285	6-	72528	04476							23	01744	24514
288	62	64425	26376	52	22447	28268	04	01690	21101			
575	2-	02856	30126	2-	02865	30385	80	25753	20283	50	02863	20215
301	26	05653	26425	25	02742	29427	20	01863	26413	20	01854	24484
321	57	22735	51668	52	62645	26368	00	05690	20760	04	05690	22213
2.2	8-	64648	18668	8-	62648	28468	00	00730	24300	04	01790	20214
292	52	62635	26478	62	62634	30368	00	05690	00050	36	10842	20115
310										--	01633	20316
614	62	64635	53668	52	62556	26368	50	05552	22202	00	05590	24202

13h. G.M.T. 10th May ... 18h. G.M.T. | 01h. G.M.T. 11th May ... 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-	21648	30428	55	02864	30366	80	01852	22412			
334	--	25646	26588							--	01752	26213
340				62	62645	28268	04	01790	24213	00	01890	16113
136	5-	02737	16668	62	62535	17668	50	05653	24463	00	00890	20300
336	52	02756	20628	53	01754	28415				13	01762	04313
350	62	64635	51768	63	22724	19466	00	05690	24110	04	01790	18113
368	62	64536	53468	53	25854	58585	50	01754	28114			
379	62	64627	55768	50	22854	55665	00	00890	26360	00	01790	20304
390	51	62535	49668	62	62436	49668	07	05590	28415	00	05690	22211
382	62	62636	52768	86	22855	53467	00	00790	28110	04	01890	23214
438				5-	62538	20568	57	25645	28486	04	01790	30214
430	62	64536	51668	62	64426	51668	5-	02766	61426	03	02790	20125
409	54	22864	53565	52	64627	23568	24	01854	25214	34	02966	14128

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 11th May, 1943.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	crrom	cro rr, d	cbcm	Kew 24 hours ended 7h. Max. Time 0·1 5/7h 11th
Croydon ...	rorrrm	crrom	crm c	
Greenwich ...	rrq	rrq	rc rbcc	
Camden Square ...	cr	cr	*	
Kensington ...	cr	crd	*	
Hampstead ...	or	or	orbc	Min. Rest of Period

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs	Humidity Yesterday 15h %	Humidity Yesterday 9h %	Humidity To-day
Kew ...	52	39	26	11	4	0·0	*	*	
Croydon ...	57	39	33	22	3	0·0	*	*	
Greenwich ...	53	38	28	8	1	0·0	89	58	
Westminster ...	54	38	34	13			88	62	
Regents Park ...	52	39	28	9	2		89	65	
Camden Square ...	52	39	31	10	1	*	*	62	
Kensington ...	53	38	27	8	4		84	61	
Hampstead ...	51	37	31	9	1		*	65	

SECRET

Page 1

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

BRITISH SECTION

Wednesday 12th May, 1943.

No. 25756

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

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)	15·4	+1·0	SW	3	c	53	65	40	8	7	7	–	7-8	9	4000
	Croydon ...	16·1	+1·0	SSE	2	c	55	55	40	8	4	4	2	4-6	9	2500
	S. Farnborough	15·4	+1·2	SW	3	c	53	65	44	8	7	7	6	Tr	9+	2500
	Boscombe Down	15·4	+1·4	S	4	c	52	75	42	8	2	1	–	7-8	10	2000
	Thorney Island	16·8	+1·0	SSE	3	c-bc	55	75	47	9	1	8	6	2-3	7-8	4000
	Lympne ...	16·8	+1·6	W	1	c	55	55	38	9	2	4	8	2-3	9+	2000
	Manston ...	16·1	+1·8	S'W	3	c	52	65	40	8	1	2	–	1	9+	2000
	Shoeburyness ...	16·2	+1·4	SW	3	c-bc	56	55	41	8	1	2	2	2-3	7-8	4000
	Felixstowe ...	16·8	+2·8	S	4	c	54	55	37	8	1	3	6	Tr	9+	4000
	Gorleston ...	13·3	+8	W	3	c-bc	54	45	34	7	1	–	–	7-8	7-8	2500
	Mildenhall ...	14·3	+1·4	WSW	4	c	55	45	33	8	1	–	6	4-6	9+	2500
	Cranwell ...	13·7	+2·0	WSW	3	c	53	45	33	7	–	–	6	7-8	9	2500
3	Birmingham ...	12·9	+1·0	SSW	3	c	51	45	30	8	7	–	6	2-3	9	2500
	Upper Heyford	13·5	+1·0	SW	3	c	53	55	37	7	1	–	3	7-8	9	2500
4	Ross-on-Wye	13·0	+1·0	SSW	3	c	53	55	37	8	5	1	7	7-8	10	3000
5	Hartland Point	11·0	+2	SW	3	c/r	54	85	48	8	8	2	–	4-6	10	1500
	Bristol ...	14·2	+1·0	SSW	3	c/ps	54	75	46	8	5	–	–	9+	9+	3800
	Portland Bill ...	14·8	+1·4	S	4	c	51	92	49	8	5	–	–	10	10	4000
	Plymouth ...	14·0	+1·4	SSW	3	c/r	53	97	53	6	5	–	–	7-8	10	500
	The Lizard ...	12·9	+1·8	S	4	id$_o$	53	97	53	6	5	–	–	10	10	800
	Scilly (St.Mary's)	10·7	+0·8	SSW	5	c/r	55	97	54	6	5	3	–	7-8	9+	300
	Guernsey ...															
6	Pembroke ...	10·8	+2	S	4	rr	48	75	42	7	8	1	–	9+	10	2500
7	Holyhead (Valley)	11·8	+1·6	S	3	c	50	65	36	8	1	7	7	Tr	10	3000
	Chester (Sealand)	12·2	+1·0	W	1	c	56	45	31	8	5	–	–	7-8	9+	3500
8	Manchester ...	12·0	+1·6	SSW	4	c-bc	53	45	32	9	2	–	6	4-6	7-8	2500
10	Spurn Head ...	12·7	+2·2	WSW	4	c	53	45	31	7	2	3	–	4-6	9	2500
	Catterick (Sc) ...	11·5	+2·4	SW	4	c-bc	51	46	29	9	1	–	6	4-6	7-8	2500
	Tynemouth ...	10·7	+3·2	WSW	5	bc	51	75	43	7	2	–	–	4-6	4-6	2200
11	St. Abbs Head	07·6	+3·2	WSW	4	bc/pr	45	85	41	7	2	4	–	4-6	4-6	3000
	Leuchars ...	05·8	+3·0	WSW	6	pr	51	65	40	8	8	–	6	7-8	9+	2500
12	Renfrew (Abbots I.)	07·7	+2·6	WSW	4	c-bc	53	45	32	9	8	–	3	4-6	7-8	1800
	Eskdalemuir ...	08·6	+3·0	SW	5	c-bc	49	45	26	8	8	–	–	7-8	7-8	1900
	Point of Ayre ...	10·6	+2·2	W'N	4	bc	56	56	38	8	2	–	4	1	4-6	3000
13A	Tiree	07·0	+3·4	WSW	4	c	50	55	32	9	1	–	6	4-6	9	2500
13B	Stornoway ...	02·2	+4·2	WSW	5	c-bc/pr	44	65	32	8	3	–	–	7-8	7-8	2600
15	Dalwhinnie ...	05·0	+4·0	SW	4	bc	43	65	34	8	8	–	5	2-3	4-6	1500
	Aberdeen ...	04·0	+3·8	WNW	4	c-bc	52	45	30	8	2	–	8	7-8	7-8	4000
	Wick ...	01·0	+5·8	W'S	5	pr	49	75	40	8	9	–	–	7-8	7-8	2500
16	Sumburgh ...	34·2	+5·8	W	8	c/pr	46	85	42	8	8	6	–	7-8	9	2000
17	Blacksod Point	04·3	-0·8	SSE	5	pr	46	85	42	8	9	–	–	10	10	2500
18	Malin Head ...	06·3	+1·8	W'N	3	bc	49	65	38	8	1	–	–	4-6	4-6	2500
	Aldergrove ...	08·6	+1·0	S'W	3	c	52	45	33	9	7	–	6	2-3	9	3000
19	Birr Castle ...	07·5	+0·6	SSW	2	ir	45	85	41	7	6	2	–	7-8	10	800
20	Valentia Obsy.	05·0	+1·4	SW'W	5	c/r	55	85	51	7	5	–	–	9	9	1500
	Roches Point	06·6	-0·4	SSE	6	c/r	50	97	50	7	6	2	–	4-6	9+	800

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

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)
17·1	+0·8	SSW	3	c	53	85	49	8	8	7	–	7-8	9	800	1	*
17·6	+0·8	S'E	3	c	55	75	49	7	5	4	6	4-6	10	2000	1	*
16·7	+0·2	SSW	3	c	55	85	50	8	7	7	4	9	9+	1400	1	*
16·3	+0·4	S'W	4	c	54	85	50	7	5	2	–	9	10	1000	0	*
17·0	+0·4	S'E	3	c	55	85	51	8	5	7	–	7-8	10	2500	1	*
18·8	+1·0	SSW	1	c-bc	54	85	49	8	5	2	–	4-6	7-8	4800	0	§3
18·6	+1·8	SW'S	3	c	55	85	51	8	5	7	–	4-6	9	5000	1	*
18·2	+1·6	SW	3	c	55	85	49	8	5	7	–	4-6	9+	2500	0	*
18·1	+1·0	S	3	c	54	75	47	8	5	–	–	9+	9+	4000	0	
17·4	+2·0	SSW	4	bc	53	65	43	7	–	7	–	0	4-6	–	0	3
16·8	+1·8	S'W	2	c/r	55	65	43	8	5	7	–	7-8	10	4000	0	*
15·0	+0·8	SW'S	3	c-bc/r	53	75	45	8	5	3	–	7-8	7-8	6400	1	*
13·8	-0·4	SSE	3	c/r	50	85	46	6	5	–	–	10	10	1500	1	*
15·1	+0·2	S'W	2	ir$_o$	52	85	48	7	5	2	–	7-8	10	900	1	*
13·3	-0·4	SSW	3	c/r	54	85	49	7	8	–	3	7-8	9+	2500	1	*
12·4	+1·0	SW	5	c	54	92	52	7	2	4	6	4-6	9	1500	1	5
15·2	+0·4	SSW	2	r$_o$r$_o$	55	92	53	7	5	3	7	7-8	10	2500	1	*
15·8	+0·8	S	4	0	51	92	49	8	5	–	–	10	10	2500	1	4
16·1	+1·4	SW	5	2$_o$	53	97	53	6	5	–	–	9	10	800	1	2
15·1	+1·2	WSW	4	c-bc	55	92	53	6	5	–	–	7-8	7-8	1000		4
13·9	+1·8	SSW	4	c-bc	55	92	52	6	5	4	5	4-6	7-8	800	1	4
11·8	+1·6	SW'W	6	cq	52	92	51	7	5	1	–	4-6	10	2500	1	
09·8	-1·4	SE	5	d$_o$d$_o$	49	97	47	6	6	–	–	7-8	10	600	1	
12·1	-0·6	S	2	c/r	50	75	43	6	5	2	–	4-6	10	3000	1	*
13·4	+2	SE'S	3	ir$_o$	50	75	43	7	5	2	–	7-8	10	3000	1	*
14·9	+0·6	SSW	4	bc	54	55	35	7	7	3	–	4-6	4-6	4000	0	3
13·0	+0·6	WSW	2	c	51	55	37	7	5	2	–	4-6	10	1500	1	*
13·4	+0·2	SW	4	c-bc	51	45	27	7	2	4	–	4-6	7-8	2200	1	
10·2	+1·0	SW	4	bc	51	75	44	8	1	6	–	2-3	4-6	3000	0	
09·5	+1·6	SSW	4	bc	51	45	33	8	8	8	–	4-6	4-6	2500	0	*
09·9	+0·8	SSW	4	c	51	35	21	9	8	5	–	2-3	9	2500	0	*
11·1	+2·0	SW'S	4	bc	46	45	25	8	5	4	1	2-3	4-6	1800	0	*
10·7	-0·6	S'W	4	c	49	75	40	8	8	7	–	7-8	10	2500	0	
07·2	-2	SE	3	c	48	65	36	9	2	7	–	Tr	9+	2500	0	
06·5	+1·4	SW	4	bc	49	55	31	9	1	–	5	4-6	4-6	2200	1	2
07·8	+1·0	SW	4	bc	47	45	28	8	2	4	–	2-3	4-6	2500	0	*
08·9	+2·2	SW'W	2	c-bc	52	35	24	8	4	4	8	1	7-8	5000	0	2
07·1	+3·0	W	3	c-bc	46	65	35	9	9	6	6	4-6	7-8	2500	1	*
02·4	+4·8	W'N	7	bc	46	92	44	8	3	6	3	2-3	4-6	2000	1	5
03·1	-2	S'W	5	c	54	85	50	8	6	–	6	7-8	9	1500	1	
05·5	-6	SE'S	4	ir$_o$	44	85	40	8	5	–	–	9+	9+	2500	2	
07·0	-1·8	SE'S	2	c	44	85	40	8	5	2	–	9+	10	2000	1	*
06·4	-2	SSW	2	c	53	85	49	8	8	1	–	7-8	10	1500	1	*
06·7	+2	S'W	4	c	54	85	50	8	1	7	–	4-6	10	2500	1	
09·8	+1·6	SW	4	c	53	92	51	7	5	–	–	9+	9+	800	1	

PAST 24 HOURS.

Weather. 7h.—13h. 11th... (39)	Weather. 13h.—18h. 11th.. (40)	Weather. 18h. 11th to 1h. 12th (41)	Weather. 1h.–7h. 12th (42)
bcm$_o$c	c	c	c
bccy		c	cmid$_o$
bcc	cir$_o$m$_o$	cm$_o$ir$_o$	cir$_o$ir$_o$d$_o$m$_o$
c		cd$_o$m$_o$c	cm$_o$cd$_o$d$_o$m$_o$
cir$_o$bc	bcc id$_o$c	cm$_o$cm$_o$id$_o$	cm id$_o$m$_o$
ccyv	cyb cr$_o$	cc ir$_o$c	cm$_o$c
cyc	cbccv$_y$	c	bccbc
bcz$_o$cy		ccrr	crrc
bz$_o$cy	cbcyc	cbcm$_o$	bcm$_o$cm$_o$
bcc	cbc	bccbc	bcc
bm$_o$bcy	cyir$_o$	c	cbcc ir$_o$c
bm$_o$cy	cyir$_o$	cr$_o$r$_o$bcm$_o$	bcm$_o$cir$_o$c
b,y		proc	cpro
bccy		r$_o$r$_o$bcm$_o$	cm$_o$d$_o$d$_o$c
bccy	cp$_o$cr$_o$	c	cid$_o$o
cirr$_o$ir	ir$_o$c	cir$_o$	m$_o$cq
cwccpr$_o$	cr$_o$r$_o$cir$_o$	bccmmw	cd$_o$d$_o$m$_o$ccid$_o$
co	co	o	
cir$_o$cm$_o$	cir$_o$m$_o$cm$_o$	cd$_o$d$_o$m$_o$	cd$_o$d$_o$m$_o$
rroid		cidc	omff
cr$_o$r$_o$ir	cbc	bcf$_f$b	coif
bccrr		cq	cqm$_o$id
bccv		odo d$_o$ir$_o$	pr$_o$r$_o$d$_o$i$_o$d$_o$
bcy		cz$_o$	cm$_o$ir$_o$
bcz$_o$bcy	ir$_o$yir$_o$	ir$_o$id$_o$m$_o$	cr$_o$m$_o$
c	bc	c	ir$_o$
bcvcvbcy		comm$_o$	cir$_o$m$_o$f
bcm$_o$bc		cpom$_o$	ocm$_o$p$_o$
bbcprbc		bccprcc	bccr$_o$c
bbcprcycpr$_o$		cc dm$_o$cm$_o$	cc m$_o$d$_o$d$_o$d$_o$cl$_o$
bcprcbcy	cybcycy	cycr$_o$r$_o$cm$_o$	mirrofr$_o$r$_o$
bccy	cybcy	cir$_o$r$_o$m$_o$	or$_o$r$_o$m$_o$
cbbcy		d$_o$d$_o$cbc	bccrr
bcc		cr$_o$c	cr$_o$r$_o$c
cpr$_o$hc	cbcy	cir$_o$d$_o$d$_o$	cir$_o$
bcbprsbc	bc		bcir$_o$o
bbcy	bcpcbcy	bcybbcc	cc2$_o$
cpr$_o$		bcc	bcc
cpr$_o$c	cpr$_o$cbc	bcpr$_o$b	b,c
pr	o	s	r
bc	r	c	r
bccy	cycir$_o$c	c	r$_o$r$_o$m$_o$rm$_o$
r	r		pr
r	o	r	r
r	d	r	r

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

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

Moderate or fresh southerly winds, moderating; cloudy, with some breaks; slight local drizzle; more appreciable clearances later; warmer than of late.

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

Fresh to strong south to southwest winds, moderating; much cloud and occasional rain or drizzle; much hill fog and local coast fog; warmer than of late.

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

Moderate to fresh southerly winds, strong to gale locally in west, veering southwest and moderating; cloudy with rain spreading from west; fair later; warmer than of late.

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

Fresh to strong southerly winds, gale in west, veering and moderating; cloudy with appreciable rain and much hill fog at first; fair later, with a few showers; warmer than of late.

16	Orkneys and Shetlands

13A – 15.

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

Fresh to strong southerly winds, veering and moderating temporarily; rain and much hill fog at first, becoming fair; rain spreading from South tomorrow; warmer than of late.

GENERAL INFERENCE

A depression west of Scotland is moving North; and pressure is high to the southeast of the British Isles; there will be appreciable cloud in all areas, with rain in northern and western districts; warmer than of late in all areas.

FURTHER OUTLOOK

Fair in the Southeast; cloudy in West and North, with rain at times.

Gale warning in operation in districts 13B. Times of issue 08·10 G.M.T 12th May 1943.

Forecasts issued at 10·30.

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

7h. Wednesday 12th May 1943.

LOW.

HIGH

STATION MODEL

High Cloud

Medium cloud

Total Amount of cloud

Temperature °F.

Wind

Present weather

Barometer mb.

Visibility

Bar. change in past 3 hours in tenths

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

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

Scale 1 : 5,000,000

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Wednesday 12th May

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Wednesday 12th May 1943 — No. 25756.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud Form. Low. (10)	Cloud Form. Med. (11)	Cloud Form. High (12)	Cloud Amount. Low 0–10 (13)	Cloud Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	53	*	*	*	*	*	*	*	*	*
	Croydon ...	290	20·2	+10	S	3	c-bc	54	85	51	7	5	-	2	4-6	7-8	1500
	S. Farnborough	226	19·5	+10	SW'S	3	ic	54	92	51	6	5	-	-	10	10	1000
	Boscombe Down	417	18·6	+4	S'W	4	Zo	53	92	51	6	5	-	-	10	10	500
	Thorney Island	10	20·1	+6	S'W	3	7/d	53	92	51	4	5	-	-	4-6	10	1800
	Lympne ...	283	21·4	+10	SSW	2	c	52	97	51	7	5	-	-	3	3	1200
	Manston ...	154	20·6	+6	SW'S	3	b-bc	53	92	51	8	5	4	2	Tr	2-3	2000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	19·5	+6	SSW	4	Zo	53	92	51	6	-	1	-	0	4-6	-
	Gorleston ...	5	18·1	+2	S'W	3	c-bc	53	85	48	6	5	-	-	7-8	7-8	1500
	Mildenhall ...	15	18·0	+8	S'W	3	c	53	85	50	7	5	1	-	4-6	10	2500
	Cranwell ...	203	16·1	+6	SSW	4	Zo	51	92	49	6	5	1	-	2-3	4-6	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·6	+8	SW	3	Zo	52	85	49	6	5	-	-	7-8	10	1200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	13·6	-6	SW	5	ir	54	97	54	6	5	2	-	7-8	10	1500
	Bristol ...	209	17·2	0	S	4	Zo	54	97	53	6	5	-	-	10	10	900
	Portland Bill ...	32	19·0	+6	SW	4	o	53	92	51	7	5	-	-	10	10	2500
	Plymouth ...	82	18·2	+12	S'W	5	do do	53	97	52	5	5	-	-	10	10	400
	The Lizard ...	240	16·6	+4	S	5	9/d	52	97	52	5	5	-	-	10	10	1000
	Scilly (St.Mary's)	163	15·0	0	SW'S	5	Zo	53	97	52	6	5	-	-	10	10	500
	Guernsey ...	175															
6	Pembroke ...	142	13·6	-4	SW	4	9/d	53	82	52	5	5	-	-	10	10	500
7	Holyhead (Valley)	32	11·7	-2	S	4	ro	50	92	49	6	5	-	-	10	10	600
	Chester (Sealand)	16	13·6	+10	S	2	c	51	85	45	6	5	-	-	10	10	3500
8	Manchester ...	235	15·3	+10	SSE	4	Zo	50	85	46	6	-	2	-	0	10	-
10	Spurn Head ...	29	14·9	0	SSW	4	c	51	92	49	7	5	2	-	4-6	10	1500
	Catterick (Sc.)	192	13·2	-2	SW	3	Zo	49	85	47	5	5	-	-	10	10	2300
	Tynemouth ...	108	12·9	-4	S	3	Zo	47	85	44	6	5	-	-	10	10	1500
11	St. Abbs Head	280	10·5	-8	S	4	bc	45	92	43	7	5	-	-	4-6	4-6	2500
	Leuchars ...	36	10·9	-4	SSW	1	Zo	45	75	38	6	6	2	-	4-6	10	2500
12	Renfrew (Abbotsl.)	19	10·1	-4	ENE	1	Zo	45	85	41	6	5	-	-	10	10	1600
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	10·0	0	W'S	4	bc	50	97	50	8	4	4	5	Tr	4-6	3000
13A	Tiree	44	05·7	-6	SSE	5	c	47	92	45	8	5	2	-	7-8	9+	1500
13B	Stornoway ...	15	06·4	-6	SSE	5	do do	46	75	38	7	5	-	-	10	10	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	11·0	+2	SSW	2	c-bc	42	65	33	8	5	7	-	4-6	7-8	3000
	Wick ...	114	09·4	0	SE	2	c-bc	45	75	36	3	5	7	6	4-6	7-8	2000
16	Sumburgh ..	19	09·4	+26	SW	5	9/pr	46	92	43	8	2	-	-	1	1	2000
17	Blacksod Point	18	00·6	-26	S	5	ro ro	49	92	47	7	6	2	-	4-6	10	1500
18	Malin Head ...	84	04·1	-6	S'E	4	c	49	92	47	8	5	-	-	10	10	1500
	Aldergrove ...	268	07·6	-6	SSE	3	c	48	92	46	7	5	2	-	4-6	10	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	04·6	0	S'W	6	Zo	55	92	53	6	5	-	-	10	10	1500
	Roches Point	22	07·7	-2	S'W	6	ro ro	51	97	50	7	6	2	-	4-6	10	800

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

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)	21·8	+20	SW	3	c	55	85	51	7	5	-	-	10	10	800	1	*
	Croydon ...	22·3	+16	SSW	3	c	56	85	52	6	5	-	-	4-6	9+	1400	1	*
	S. Farnborough	21·8	+20	SW	4	ido	55	85	52	6	5	-	-	10	10	1000	1	*
	Boscombe Down	20·7	+26	S'W	3	do do	53	97	53	5	5	-	-	10	10	400	1	*
	Thorney Island	22·6	+20	S'W	4	Zo	54	92	52	6	5	-	-	7-8	10	1500	1	*
	Lympne ...	23·3	+12	SW	3	c	56	85	51	7	5	-	-	10	10	1500	0	4
	Manston ...	22·5	+12	SW	4	Zo	55	92	52	6	5	3	-	4-6	10	1000	1	*
2	Shoeburyness ...	22·1	+14	SW'S	4	Zo	56	85	52	6	5	-	-	10	10	1500	0	*
	Felixstowe ...	21·2	+10	SSW	4	Zo	55	92	52	6	5	-	-	10	10	2500	0	3
	Gorleston ...	19·7	+6	SW	4	c	54	92	51	7	5	7	-	7-8	9+	1200	0	
	Mildenhall ...	19·6	+10	S'W	4	c	57	85	53	8	5	-	-	9+	9+	2000	0	*
	Cranwell ...	17·1	+8	WSW	4	c	56	85	52	7	5	2	-	7-8	9+	1500	1	*
3	Birmingham ...	17·2	+12	SSW	4	o	54	97	53	6	5	-	-	10	10	800	1	*
	Upper Heyford	19·1	+16	SSW	3	Zo	55	85	50	6	5	2	-	9+	10	800	1	*
4	Ross-on-Wye	17·5	+20	S'W	3	o	55	85	52	7	5	-	-	10	10	800	1	*
5	Hartland Point	18·7	+10	SW	6	ir	53	97	53	6	5	2	-	7-8	10	600	1	5
	Bristol ...	19·3	+18	S'E	2	9/d	55	87	54	6	5	-	-	10	10	700	1	*
	Portland Bill ...																51	*
	Plymouth ...	19·9	+14	SSW	4	do do	53	97	53	4	5	-	-	10	10	200	1	3
	The Lizard ...	18·0	+2	S	5	of	53	97	53	3	5	-	-	10	10	400	1	4
	Scilly (St.Mary's)	15·9	+6	S'W	6	9/f	53	97	53	5	5	-	-	10	10	200	1	5
	Guernsey ...																	
6	Pembroke ...	14·0	+10	SSW	6	9/d	52	97	52	5	5	2	-	9	10	1500	1	4
7	Holyhead (Valley)	11·0	+6	S'W	6	ido	52	97	52	5	5	-	-	10	10	300	1	5
	Chester (Sealand)	12·9	+2	SSE	3	c	56	85	53	6	5	4	8	4-6	9+	1500	1	*
8	Manchester ...	14·2	+4	S'E	5	Zo	55	85	51	6	5	-	-	10	10	1500	1	*
10	Spurn Head ...	16·0	+2	S	4	c	52	92	50	7	5	2	-	7-8	10	1500	1	3
	Catterick (Sc.)	12·4	-4	SSE	3	c9+	50	97	50	3	5	2	-	7-8	10	800	1	*
	Tynemouth ...	13·2	-4	S	5	c/pr	51	85	47	6	5	-	-	3+	3+	1900	1	2
11	St. Abbs Head	09·2	-10	SSE	3	ro	48	97	47	6	5	2	-	7-8	10	2500	1	3
	Leuchars ...	08·4	-10	ESE	3	dd	47	92	45	5	5	7	-	1	10	3000	0	*
12	Renfrew (Abbotsl.)	06·7	-14	E'N	1	rf	48	97	47	3	5	2	-	7-8	10	3000	1	*
	Eskdalemuir ...	09·2	-6	S	4	ro ro	47	97	46	6	-	2	-	10	10	300	1	*
	Point of Ayre ...	08·3	-6	SW'W	5	ir	53	97	53	7	6	2	-	4-6	10	2800	1	3
13A	Tiree	01·2	-24	SSE	5	c	50	92	48	7	5	1	-	1	9+	1000	1	5
13B	Stornoway ...	02·2	-22	SE	5	ir	47	97	47	8	5	2	-	10	10	7000	1	3
15	Dalwhinnie ...	06·0	-22	S	4	bc	42	85	38	7	6	6	9	4-6	4-6	800	1	*
	Aberdeen † ...	09·3	-10	S'E	2	Zo	45	92	43	5	5	2	-	4-6	10	1000	0	1
	Wick ...	07·3	-6	SSW	3	c	45	75	37	8	5	1	-	4-6	10	2500	0	*
16	Sumburgh ..	09·4	+10	SSE	5	c	47	85	44	8	-	7	-	0	10	-	1	3
17	Blacksod Point	00·1	+6	S	6	DR	52	85	48	6	6	2	-	4-6	10	1500	1	5
18	Malin Head ...	00·5	-2	S	5	c	55	85	51	8	5	2	-	2-3	10	1500	2	4
	Aldergrove ...	04·8	-2	S	3	c	55	85	51	8	5	1	-	3+	10	2000	1	*
19	Birr Castle ...	04·9	+6	SSW	3	c-bc	55	92	53	7	8	-	-	7-8	7-8	1500	1	*
20	Valentia Obsy.	04·9	+8	SSW	6	rr	53	97	53	6	6	2	-	4-6	10	1500	1	5
	Roches Point	07·8	-2	S'W	6	dr	53	97	53	5	5	-	-	10	10	450	1	5

PAST 24 HOURS

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

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 11th May ..... 18h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
109	36	25754	56885	30	01753	57713
115	34	14884	91886	14	02854	24426
203	8-	01845	24865			
206	37	10854	53685	16	01862	20314
210				40	02862	24215
219	20	02855	25585	15	01863	18414
230	20	02863	20526	47	02863	16116
245	10	01863	58514	10	01863	57414
260	20	25854	22484	20	01863	18413
278	20	01854	18414	5-	01848	14428
279	20	01864	21624	67	02853	18326
286	·					
288	10	02864	54415	52	02754	14128
575	77	02854	18226	5-	22844	18167
301	10	02851	22315	52	62664	12267
321	20	02864	20416			
2.3	2-	05654	20314	56	02754	20214
292	20	01864	22284	55	22651	20164
310						
614	20	02755	20327	57	61675	16227

01h. G.M.T. 12th May ..... 07h. G.M.T.

C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
01	01890	16211	51	02771	48428
52	02845	16328	52	02845	12328
5-	10847	16427			
57	02865	00028	52	02867	04128
58	02965	16227	52	02865	13328
52	21747	14468	57	22726	14667
5-	02855	14267	5-	22845	12168
51	61765	26168	6-	61628	17368
57	05645	16328	57	22746	16268
5-	02748	11368	62	05627	17468
51	02854	20357	62	66638	18568
			6-	63628	20568
52	02755	16468	57	22645	17568
5-	64638	18268	57	61644	22267
5-	02756	18326	52	62644	14468
52	05644	16368	5-	61648	18368
50	01754	22324	5-	61657	22467
51	05664	16168	57	22664	18268
			--	46109	20559
57	05650	18227	52	05647	20328

13h. G.M.T. 11th May ..... 18h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
333	52	02961	14228	62	62645	16548
334	--	02752	26214			
340	40	02854	22517	62	22655	14468
136	20	02964	20315	57	02963	20325
336	57	02753	20428			
350	10	02854	20326	57	62762	18367
368	57	62745	16268	51	02744	18318
379	41	02845	18427	52	51846	15468
390	2-	05565	16215	57	05562	16328
382	7-	02857	20328	57	22845	17368
438				57	02754	20328
430	23	02854	14226	57	02756	18228
409	52	61845	17528	13	02743	20425

01h. G.M.T. 12th May ..... 07h. G.M.T.

C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
02	64428	49568	02	61628	50668
			--	03647	26428
51	02774	20468	51	51645	18358
01	05690	18368	5-	61647	17368
			52	21646	20458
57	05644	16326	57	02754	51556
5-	02748	18428	5-	02745	20426
5-	02738	55468	5-	02726	22468
52	08456	18328	5-	21535	16-57
57	02745	20428	52	02746	20458
80	05644	20414	5-	10276	20518
5-	01668	56428	5-	05648	18228
5-	21648	52458	5-	21628	18558

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

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

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LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	bc mo c		c	Kew 24 hours ended 7h.
Croydon ...	bc cy		c mo ido	Max. Time
Greenwich ...	c	c ro c	c	01 7-8h
Camden Square	c	c	*	11
Kensington ...	bc c	c	*	Min. Time
Hampstead ...	bc	bc	od	0·1 Rest of period

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew		53	51		-	4·3	*	*
Croydon ...	57	53	49	-	0·1	6·3	*	*
Greenwich ...	57	53	46	Tr	-	6·5	64	83
Westminster ...	58	49	48	-			69	84
Regents Park ...	58	49	48	-	-		69	82
Camden Square	57	48	48	-	-	*	*	85
Kensington ...	57	53	49	-	Tr		85	87
Hampstead ...	58	51	46	-	Tr		*	96

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

SECRET

Thursday 13th May, 1943.

No. 29.57.

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

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. (3)	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)	22·7	+2	SW	4	c-bc	60	75	52	7	8	7	6	2-3	7-8	2500
	Croydon ...	24·1	+6	S'W	4	c	60	85	56	7	5	4	2	7-8	9+	1200
	S. Farnborough	23·0	+2	SW	5	c-bc	63	65	52	8	7	7	1	7-8	7-8	1800
	Boscombe Down	21·7	+2	SSW	6	c	59	75	53	7	5	7	–	7-8	10	1600
	Thorney Island	23·7	0	S'W	5	c	60	85	53	7	5	–	–	9	9	2600
	Lympne ...	25·6	+2	SW	4	c	58	75	52	7	5	–	–	10	10	2000
	Manston ...	24·7	+10	SSW	4	z_o	60	85	54	6	5	–	–	4-6	10	1200
2	Shoeburyness ...	23·6	+2	SW	5	c	63	75	54	7	5	–	–	9+	9+	2500
	Felixstowe ...	23·3	+12	SSW	5	c	59	85	53	7	5	–	–	10	10	2000
	Gorleston ...	21·7	+8	SW	5	c	62	75	54	6	5	–	–	9+	9+	1000
	Mildenhall ...	20·8	+6	SSW	6	z_o	63	75	53	6	5	3	–	9+	10	1500
	Cranwell ...	18·0	+6	SW	7	c	62	75	53	7	5	–	–	9+	9+	1500
3	Birmingham ...	17·6	+4	SSW	5	c	58	85	53	6	5	–	–	10	10	1500
	Upper Heyford	20·2	0	SSW	4	z_o	59	85	53	6	5	2	–	7-8	10	800
4	Ross-on-Wye	18·3	0	SSW	4	c	58	85	53	7	5	1	–	9	10	1500
5	Hartland Point	17·5	+20	SW	6	z_o	56	92	54	6	5	–	–	9+	9+	800
	Bristol ...	20·2	+2	SSW	4	c	59	85	55	6	5	–	–	10	10	800
	Portland Bill ...	23·2	+10	SW	4	0	55	92	53	7	5	–	–	10	10	2500
	Plymouth ...	21·3	+4	SSW	4	z_o	55	92	53	6	5	–	–	9+	10	600
	The Lizard ...	19·7	+12	SSW	6	z_o	54	97	54	6	5	–	–	10	10	800
	Scilly (St. Mary's)	17·9	+16	SSW	5	ir	54	97	53	4	5	–	–	10	10	200
	Guernsey ...															
6	Pembroke ...	15·8	+10	W'N	6	$r_o r_o$	52	97	51	5	5	–	–	10	10	2000
7	Holyhead (Valley)	12·3	+6	S'W	8	Dr	53	97	52	3	5	–	–	10	10	100
	Chester (Sealand)	13·9	+2	SSW	4	c/r	62	75	52	8	5	–	–	10	10	1500
8	Manchester ...	15·2	+2	S	6	z_o	60	75	53	6	5	–	–	9+	9+	1500
10	Spurn Head ...	16·4	+2	SW'S	6	cq	63	75	54	7	7	6	+	7-8	9	2500
	Catterick (Sc) ...	12·6	−4	S	4	c	62	65	52	8	5	7	–	4-6	10	900
	Tynemouth ...	11·4	−10	SSW	8	bcq	65	65	52	7	2	–	–	4-6	4-6	2200
11	St. Abbs Head	07·3	−10	SSW	5	iR	55	97	55	6	5	–	–	10	10	2000
	Leuchars ...	05·1	−16	SSW	4	c/r	58	85	53	6	5	2	–	9	10	1500
12	Renfrew (Abbotsl.)	05·4	−2	SSW	4	rr	54	92	52	6	5	2	–	7-8	10	600
	Eskdalemuir ...	07·6	−12	SSW	8	RR	51	92	49	5	–	2	–	10	10	100
	Point of Ayre ...	08·6	+2	SW'W	7	rr	54	97	54	7	6	2	–	7-8	10	800
13A	Tiree	02·1	+6	SW'S	4	c/r	51	85	46	7	5	7	–	2-3	10	2500
13B	Stornoway ...	08·8	−6	S	6	$r_o r_o$	50	97	50	7	–	2	–	10	10	1500
15	Dalwhinnie ...	02·0	−24	S	4	rr	52	92	49	6	5	2	–	7-8	10	1500
	Aberdeen ...	04·6	−36	S'E	4	ir	52	85	49	5	5	2	–	7-8	10	800
	Wick ...	03·2	−32	SE	4	z_o	49	85	45	6	–	7	7	0	10	–
16	Sumburgh ...	05·7	−22	S'E	5	z_o	48	97	48	5	5	2	–	9+	10	500
17	Blacksod Point	04·5	+26	SSW	6	c-bc	55	75	47	8	8	–	–	7-8	7-8	2500
18	Malin Head ...	03·4	+26	SW'W	5	rr	53	92	51	7	–	2	–	10	10	1500
	Aldergrove ...	06·5	+26	SW'S	3	$r_o r_o$	52	85	48	8	5	7	–	7-8	10	1200
19	Birr Castle ...	09·3	+34	WSW	4	c	55	85	50	7	8	–	–	9	9	1500
20	Valentia Obsy.	10·7	+32	SW'S	6	c	56	85	51	8	2	–	3	7-8	9	1500
	Roches Point	12·8	+30	SW	5	c-bc	52	92	50	8	3	–	3	4-6	7-8	1600

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

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)	24·4	+14	SW	4	z_o	59	85	53	6	5	–	–	9	10	2500	1	*
	Croydon ...	24·7	+6	S	3	c	60	85	54	6	5	–	–	10	10	1200	1	*
	S. Farnborough	24·1	+10	SW	4	c	60	75	53	8	5	7	1	9+	10	1400	1	*
	Boscombe Down	23·3	+12	SW'S	4	c	57	85	53	7	5	–	–	10	10	1200	0	*
	Thorney Island	24·4	+4	S'W	3	ir $_o$	56	92	53	7	5	–	–	10	10	2500	1	*
	Lympne ...	25·6	+2	SSE	3	c	57	85	52	8	5	7	–	7-8	10	3200	0	§
	Manston ...	25·5	+6	SSW	3	c	61	75	54	7	5	3	–	9	9+	3000	0	*
2	Shoeburyness ...	24·9	+8	SSW	4	c	59	85	54	7	5	–	–	4-6	10	1500	0	*
	Felixstowe ...	23·8	+10	SW	5	c	60	75	53	7	5	5	–	2-3	9+	2500	0	4
	Gorleston ...	22·1	+18	SW'S	5	c	64	65	51	6	5	–	–	10	10	1000	0	3
	Mildenhall ...	22·2	+14	SW	6	c	63	65	52	8	5	3	–	4-6	9+	2000	0	*
	Cranwell ...	20·4	+28	SW	6	c/d	58	85	54	6	5	7	–	2-3	9+	1500	1	*
3	Birmingham ...	20·0	+18	SSW	3	c/pr	55	92	53	8	6	7	–	9	10	800	1	*
	Upper Heyford	21·6	+14	SW'S	4	id.	57	92	54	6	5	2	–	9	10	800	1	*
4	Ross-on-Wye	20·5	+14	SW'S	2	ir $_o$	55	97	54	7	6	7	–	7-8	10	1000	1	*
5	Hartland Point	19·6	+12	SW	5	c/r	55	92	53	7	2	7	–	4-6	9	1500	1	4
	Bristol ...	22·0	+10	SSW	3	id.	56	97	56	6	5	2	–	9+	10	800	1	*
	Portland Bill ...	23·8	+4	SW	4	0	54	92	52	7	5	–	–	10	10	2500	1	5
	Plymouth ...	22·6	+4	SW	4	id.	53	97	53	6	5	–	–	10	10	100	1	3
	The Lizard ...	21·1	+8	SSW	5	rf	53	97	53	2	5	–	–	10	10	400	1	4
	Scilly (St. Mary's)	20·2	+2	SSW	4	c	53	97	52	6	5	7	–	7-8	10	1200	1	4
	Guernsey ...																	
6	Pembroke ...	20·2	+14	SW'S	4	c	51	92	50	8	8	–	–	9+	9+	2000	1	3
7	Holyhead (Valley)	17·8	+32	S'W	6	c	51	92	49	8	5	7	–	4-6	10	800	1	4
	Chester (Sealand)	17·7	+24	SW	3	c	57	65	47	8	5	7	–	9	10	2500	1	*
8	Manchester ...	18·2	+28	SSW	4	c/r	55	85	51	8	5	2	–	9	10	3000	1	*
10	Spurn Head ...	19·7	+28	SW'W	6	cq	61	75	52	7	7	4	–	7-8	9+	2500	0	4
	Catterick (Sc) ...	16·1	+42	SW	3	c/r	55	75	47	7	8	–	–	9	9	2000	1	*
	Tynemouth ...	14·4	+36	NSW	6	cbcq	57	65	47	7	8	3	1	4-6	7-8	2200	1	3
11	St. Abbs Head	10·0	+18	SW	5	cbc	55	92	53	7	5	2	–	4-6	7-8	2000	1	4
	Leuchars ...	08·8	+30	SSW	4	bc	54	75	47	8	2	7	6	4-6	4-6	2000	1	*
12	Renfrew (Abbotsl.)	09·3	+28	SSW	4	cbc	57	65	47	8	8	7	3	4-6	7-8	800	1	*
	Eskdalemuir ...	12·9	+40	SSW	5	c	51	85	47	7	5	–	–	9+	9+	1100	2	*
	Point of Ayre ...	14·2	+22	NSW	6	c	56	85	51	8	2	7	9	1	9	1600	1	4
13A	Tiree	06·5	+30	SW	5	b	54	65	43	7	2	4	–	Tr	1	2500	0	4
13B	Stornoway ...	01·4	+18	SE	7	bc/pr	53	85	47	8	3	6	–	4-6	4-6	2000	1	4
15	Dalwhinnie ...	06·5	+24	SSW	4	cbc	50	85	44	8	8	–	–	7-8	7-8	2500	1	*
	Aberdeen ...	08·8	+28	SW	3	b-bc/pr	56	75	46	8	2	3	8	Tr	2-3	2500	1	2
	Wick ...	03·4	+18	SW	3	cbc	51	75	44	9	8	–	–	7-8	7-8	2500	1	*
16	Sumburgh ...	00·0	−38	SSW	6	rr	49	97	48	5	5	–	–	10	10	300	1	3
17	Blacksod Point	08·2	+20	SSW	6	c-bc	54	85	50	7	6	–	–	7-8	7-8	2500	1	5
18	Malin Head ...	07·1	+26	SW	5	bc	54	75	46	8	3	–	–	4-6	4-6	2500	2	4
	Aldergrove ...	11·8	+38	SWW	4	bc	58	45	38	9	2	7	5	1	4-6	2000	1	*
19	Birr Castle ...	13·5	+20	SSW	3	c	57	65	45	8	5	1	–	4-6	9	2500	1	*
20	Valentia Obsy.	13·6	+10	SW	5	c	54	85	50	8	5	1	–	7-8	10	1500	1	4
	Roches Point	16·3	+12	SW'W	5	c	52	92	50	8	5	1	–	4-6	9+	1500	1	5

PAST 24 HOURS.

Weather. 7h.–13h. 12th (39)	Weather. 13h.–18h. 12th (40)	Weather. 18h. 12th to 1h. 13th (41)	Weather. 1h.–7h. 13th (42)
cir$_o$ m$_o$ c	ccm$_o$	cm$_o$	cbc m$_o$ w
cid$_o$ c	ccid$_o$	cm$_o$ bcm$_o$	cm$_o$ w bcm$_o$
cid$_o$ m$_o$ bcc	cc ir$_o$ c	cbcm$_o$ cm$_o$	cm$_o$ w bc
cd$_o$ d$_o$ rm$_o$ c	C	cm$_o$	cm$_o$ w zbc
cm$_o$ id$_o$ m$_o$ c	cc ir$_o$	cm$_o$ bcm$_o$ m$_o$	cm$_o$ bc w
e	cbcc	b	cpr$_o$
cm$_o$	cm$_o$ bcc	cbcc	bcc w m$_o$ c
cm$_o$ c	cz$_o$ c		cbc
cm$_o$ c	cm$_o$ c	bcm$_o$ cm$_o$	cm$_o$
cbcc	cbcc	bcz$_o$ w	c
c	cz$_o$ c	c	cbcc w b
cbcc	cid$_o$	cir$_o$ cm$_o$	cm$_o$ c
ocir	ctr$_o$	cir$_o$	c
cm$_o$ id$_o$ cm$_o$	cc id$_o$ m$_o$	cd$_o$ d$_o$ m$_o$ c	cm$_o$ cbc
ocd$_o$ c	ccd$_o$ cd$_o$	cc dc	c
qir$_o$ m$_o$	ror$_o$ ir$_o$ c	cir$_o$ c	cir$_o$ bc
ccid$_o$ m$_o$ cm$_o$	m$_o$ cm$_o$ dd$_o$	cm$_o$ d$_o$ d$_o$	cm$_o$ c
o	o	cbc	bc
od$_o$ d$_o$ mm$_o$	cid$_o$ m$_o$	cd$_o$ d$_o$ m$_o$	cd$_o$ d$_o$ m$_o$ f
cz	dr$_o$ ft	drfF	rrrdff
cir	ror$_o$ c	cffe	of
cid$_o$	c	ffd	offq
oid$_o$ m$_o$	rd rrm$_o$ c	cr$_o$ r$_o$ m$_o$	r$_o$ r$_o$ m$_o$ rm
m$_o$ ir$_o$ c	cir$_o$ r$_o$ r$_o$	c	cr$_o$ r$_o$ m$_o$ dd$_o$
oid$_o$ bccz$_o$	r$_o$ r$_o$ ir$_o$ r$_o$	cir$_o$ c	r$_o$ r$_o$ ir$_o$
cq	cq	cm$_o$	c
dfcr$_o$	cpr$_o$ m$_o$ c c		cir$_o$ rrm
cm$_o$ P$_o$ bcq	cpq	cbcqc	com$_o$ ir$_o$
orcir$_o$ m$_o$	crrcpr	cbbc	cm$_o$ ir$_o$
cm$_o$ ddd$_o$ d$_o$ m$_o$	cr$_o$ r$_o$ m$_o$ bctc cm$_o$	cbcc	
fr$_o$ r$_o$ m$_o$ rr	cfr rrcm$_o$ ir$_o$ c	cbcm$_o$ cz$_o$	cm$_o$ cir$_o$
omr RR	OR m$_o$ c	or$_o$ r$_o$ m$_o$	or$_o$ r$_o$ m$_o$
id$_o$ rr	rrc	c	crr
cr$_o$ r$_o$ Rr$_o$ r$_o$	cbcb	bcc	c
cid$_o$ r$_o$ r$_o$	cr$_o$ r$_o$ ir$_o$ phcbcc		cr$_o$ r$_o$ rr
or$_o$	cfrrrcm$_o$ ir$_o$ c		cir$_o$
cd$_o$ ir$_o$	cir$_o$ pr$_o$	bcbbc	bcc
cir$_o$ cm$_o$	cr$_o$ r$_o$ bc	b	bcc
cm$_o$	crrrm$_o$ r$_o$ r$_o$ rrrm$_o$ b		bcc
c	bc	c	c
r	pr	bc	c
id$_o$ Rrr$_o$ r$_o$	cbc	c	cir$_o$ r$_o$ r$_o$
r	c	*	r
r	c	r	r
r	c	r	r

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

Districts.	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Moderate to fresh southerly winds, moderating; fine and warm.
5 S.W. England 6 South Wales 7 North Wales 8 N.W. England	Fresh or strong southerly winds, moderating; cloudy, with local drizzle, but considerable clearances well inland in afternoon and evening; much hill fog and local coast fog; muggy.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate or fresh south to southwest winds, cloudy at first, with some rain, soon becoming fine; warm
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland	Moderate or fresh southerly winds, strong at times; cloudy with rain at times; much hill fog and local coast fog; warmer than of late.
14 Mid Scotland 15 N.E. Scotland	Moderate or fresh southerly winds. Rain spreading north, followed by fair conditions; warmer than
16 Orkneys and Shetlands	of late.
17 N.W. Ireland 18 N.E. Ireland	Moderate southerly winds, freshening, veering later; general rain at first, occasional rain later; much hill fog; muggy.
19 S.E. Ireland 20 S.W. Ireland	Moderate or fresh southerly winds veering later; occasional rain; much hill fog and local coast fog; muggy

GENERAL INFERENCE

A depression northwest of Scotland is filling up, and a depression southwest of Ireland is moving northeast, with an associated trough moving north across the British Isles. Pressure is high to the southeast of the British Isles. Rain will spread north across northern districts and there will be occasional rain in the West. It will be fine and warm in the Southeast.

FURTHER OUTLOOK

Fine and very warm in the Southeast. Cloudy in the West, and Northwest, with local rain.

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. Thursday 13th May 1943.

LOW

HIGH

998 1000 1002 1004 1006 1008 1010 1012 1014 1016 1018 1020 1022 1024 1026 1028

10° 5°W. 0° 5°E. 10°

60° 55° 50°

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

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

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

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in 2mbs

Weather in past hour

Past weather

5°E. Scale 1 : 5,000,000

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Thursday, 13th May

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Thursday 13th May 1943. No. 29757.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	56	*	*	*	*	*	*	*	*	*
	Croydon ...	290	26·1	-2	SE	3	c	54	97	54	6	5	-	-	9+	9+	3500
	S. Farnborough	226	25·6	+2	S	2	z_o	56	97	54	6	5	7	-	9+	10	600
	Boscombe Down	417	24·8	-2	S	3	z_o	54	97	54	6	5	-	-	10	10	300
	Thorney Island	10	25·6	-2	SSE	2	z_o	55	92	54	6	5	-	-	4-6	9+	2500
	Lympne ...	283	27·4	0	SSE	1	c-bc	55	92	53	7	5	3	-	2-3	7-8	3000
	Manston ...	154	26·8	-2	SSE	1	b-bc	55	97	54	7	-	4	-	0	2-3	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	25·9	-4	S'W	3	z_o	54	97	53	6	5	-	-	9+	9+	6000
	Gorleston ...	5	25·0	+6	SW's	4	z_o	57	85	53	6	5	-	-	9+	9+	1200
	Mildenhall ...	15	24·3	0	S'W	3	c-bc	53	85	54	7	5	7	-	4-6	7-8	4000
	Cranwell ...	203	21·6	2	SSW	3	z_o	56	92	53	6	5	7	-	4-6	9+	1500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	23·6	-2	S'W	3	o/d	55	97	54	6	5	-	-	10	10	600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·0	-10	SSW	4	$i r_o$	55	97	55	6	5	2	-	9	10	1500
	Bristol ...	209	23·1	-2	SSW	4	o/d	56	97	56	6	5	-	-	10	10	800
	Portland Bill ...	32	24·8	-4	SW	3	bc	53	92	51	7	5	-	-	4-6	4-6	4000
	Plymouth ...	82	23·5	+2	S'W	5	$d_o d_o$	54	97	54	5	5	-	-	10	10	300
	The Lizard ...	240	21·8	0	SSW	5	rF	52	97	52	1	5	-	-	10	10	200
	Scilly (St.Mary's)	163	20·3	+2	S'W	5	f	53	97	53	2	-	-	-	10	10	<150
	Guernsey ...	175															
6	Pembroke ...	142	19·2	-14	S'W	5	df	52	97	52	2	-	-	-	10	10	<150
7	Holyhead (Valley)	32	19·6	+2	S'E	3	$r_o r_o$	50	97	49	6	-	2	-	10	10	1800
	Chester (Sealand)	16	20·8	+6	SSE	1	c	53	85	49	7	5	-	-	10	10	4500
8	Manchester ...	235	21·3	-2	SSE	2	c	53	85	49	8	5	7	-	4-6	9+	4700
10	Spurn Head ...	29	22·6	+12	S'W	3	c	54	97	52	7	7	2	-	7-8	10	1500
	Catterick (Sc)...	192	20·7	+12	SW	3	c	51	75	45	8	5	7	8	1	10	2000
	Tynemouth ...	108	19·8	+12	SSW	4	c-bc	52	75	41	7	2	-	-	7-8	7-8	2500
11	St. Abbs Head	280	19·7	+12	SW	5	c-bc	51	97	50	7	5	-	-	7-8	7-8	2500
	Leuchars ...	36	16·1	+24	SW	3	z_o	51	85	46	6	5	4	8	2-3	9+	2500
12	Renfrew (Abbots L)	19	15·6	+16	S	4	z_o	52	85	46	6	-	7	-	0	10	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	17·9	+8	SW'W	5	c	52	85	47	8	6	2	-	2-3	10	800
13A	Tiree	44	11·1	+14	SSW	6	c	51	75	45	7	-	7	6	0	9+	-
13B	Stornoway ...	15	06·5	+16	SSW	7	c	51	85	47	7	5	3	-	4-6	9	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	13·6	+18	WSW	4	c-bc	51	65	40	8	-	3	2	0	7-8	-
	Wick ...	114	09·4	+14	SW's	5	b	47	75	39	9	4	-	-	1	1	2500
16	Sumburgh ..	19	08·5	+34	SW's	5	b	48	85	44	8	-	4	-	0	Tr	-
17	Blacksod Point	18	11·0	+2	S'W	7	c	52	92	50	7	6	-	-	9+	9+	1500
18	Malin Head ...	84	11·0	+10	S'W	5	c	50	85	46	8	5	-	-	9+	9+	2500
	Aldergrove ...	268	15·0	+6	S	4	c	51	75	44	8	5	-	-	10	10	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13·7	-12	S'W	4	$r_o r_o$	51	97	50	7	6	-	-	10	10	1500
	Roches Point	22	16·3	-12	SW's	4	rr	51	97	50	7	6	2	-	4-6	10	800

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

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)	25·7	+4	SSW	2	z_p	58	85	52	6	5	-	4	1	2-3	4000	1	*
	Croydon ...	26·0	+2	S'E	2	b-bc	61	85	57	6	5	4	1	Tr	2-3	5000	1	*
	S. Farnborough	25·5	+2	SSW	2	c-bc	59	85	55	8	5	4	6	Tr	7-8	2000	1	*
	Boscombe Down	24·6	+2	S'W	4	bc	57	92	55	7	5	-	6	4-6	4-6	1000	0	*
	Thorney Island	25·9	+4	SE'S	1	bc	57	92	54	8	-	8	2	0	4-6	—	1	*
	Lympne ...	27·2	-2	SSE	1	c-bc/pr	56	92	54	8	4	-	-	7-8	7-8	5000	0	3
	Manston ...	27·1	+2	S'W	3	c	61	85	56	7	8	6	-	7-8	9	3800	0	*
2	Shoeburyness ...	26·2	+2	S	4	b-bc	60	85	57	8	-	4	5	0	2-3	-	0	*
	Felixstowe ...	26·1	+2	S'W	4	z_o	56	92	54	6	5	7	-	7-8	9+	5700	0	3
	Gorleston ...	25·6	+6	WSW	4	c	57	85	53	7	5	-	-	10	10	1500	0	3
	Mildenhall ...	24·0	-4	S	4	c	62	75	53	7	-	7	-	0	9	—	0	*
	Cranwell ...	21·6	+2	SSW	4	c	60	85	55	7	5	7	2	1	9+	1500	1	*
3	Birmingham ...	21·9	+2	S	4	c	57	92	55	7	5	7	-	9	9+	4000	1	*
	Upper Heyford	23·9	+6	SSW	3	c	57	92	55	6	5	-	-	9+	10	1400	1	*
4	Ross-on-Wye	22·2	+4	S	3	c-bc	58	85	54	7	5	3	-	2-3	7-8	800	1	*
5	Hartland Point	20·1	+6	S	4	bc	55	97	54	7	4	3	-	2-3	4-6	2500	1	3
	Bristol ...	23·5	+6	S'W	4	c-bc	59	85	55	7	5	4	2	2-3	7-8	800	1	*
	Portland Bill ...		+6	SSW	2	bc		92		7	5	-	-	4-6	4-6	4000	1	4
	Plymouth ...	24·2	+4	SW	3	df	53	97	53	3	5	-	-	10	10	<150	1	2
	The Lizard ...	22·6	0	SSW	5	df	52	97	52	2	5	-	-	10	10	200	1	5
	Scilly (St.Mary's)	20·3	+6	S'W	6	f	53	97	53	2	-	-	-	10	10	<150	1	5
6	Pembroke ...	18·5	0	SSW	7	ff	52	97	52	2	-	-	-	10	10	<150	1	3
7	Holyhead (Valley)	16·0	-14	S'W	6	dr	53	97	53	6	5	-	-	10	10	300	1	4
	Chester (Sealand)	18·1	-6	S'E	1	$d_o d_o$	57	92	56	6	6	2	-	9	10	800	1	*
8	Manchester ...	18·9	-4	SSE	5	qr	58	92	55	6	6	2	-	4-6	10	900	1	*
10	Spurn Head ...	21·4	-6	S'W	6	c	56	85	52	7	5	2	-	7-8	10	1500	0	4
	Catterick (Sc)...	18·8	-14	-	0	dd	48	97	48	4	-	2	-	10	10	400	1	*
	Tynemouth ...	19·4	-10	SSW	3	$i r_o$	51	85	47	7	5	-	-	10	10	1500	1	2
11	St. Abbs Head	17·2	-24	SSW	1	$r_o r_o$	50	97	50	7	5	2	-	7-8	10	2500	1	3
	Leuchars ...	16·1	+2	SSW	1	c	51	75	44	6	5	2	-	4-6	10	1500	0	*
12	Renfrew (Abbots L)	15·5	-2	S	4	$i r_o$	51	75	43	8	5	-	-	10	10	2500	1	*
	Eskdalemuir ...	17·5	-10	S'W	3	$r_o r_o$	48	92	46	6	-	2	-	10	10	200	1	*
	Point of Ayre...	16·3	-10	S	4	rr	49	97	49	7	6	2	-	7-8	10	800	1	2
13A	Tiree	12·3	+8	S	5	c	50	85	47	7	5	1	-	4-6	10	4500	0	5
13B	Stornoway ...	07·3	+4	SSW	7	rr	48	97	48	6	5	2	-	7-8	10	800	1	5
15	Dalwhinnie ...	13·0	0	SSW	3	c	48	85	42	7	5	1	-	4-6	10	2500	1	*
	Aberdeen † ...	15·7	+12	SSW	2	c	51	75	43	7	5	7	-	Tr	10	2500	1	2
	Wick ...	11·0	+14	SSW	4	c	43	75	41	8	-	1	5	0	9	—	1	*
16	Sumburgh ..	11·0	+14	SSW	6	c	51	85	47	8	5	7	5	7-8	9+	3000	1	3
17	Blacksod Point	10·7	-2	S	4	c	52	85	48	8	6	-	-	10	10	1500	1	3
18	Malin Head ...	11·3	+6	S'W	5	c	51	92	49	8	5	2	-	4-6	10	2500	2	4
	Aldergrove ...	13·2	+6	S'E	1	$r_o r_o$	50	92	47	6	-	2	-	10	10	800	1	*
19	Birr Castle ...	12·6	-10	SE	1	c	50	97	49	7	5	-	-	10	10	800	1	*
20	Valentia Obsy.	10·4	-18	-	0	id_o	52	97	51	7	5	-	-	10	10	1500	1	2
	Roches Point	12·2	-2	SSW	6	rr	53	97	52	6	6	2	-	4-6	10	800	1	5

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 12th Hrs. (38)
1	London (Kew)	62	53	48	Tr	-	0·5
	Croydon ...	65	53	48	Tr	-	1·5
	S. Farnborough	64	52	46	Tr	-	1·5
	Boscombe Down	61	52	50	0·2	Tr	0·2
	Thorney Island	61	53	47	-	-	*
	Lympne ...	62	53	47	-	Tr	2·2
	Manston ...	63	52	49	-	-	2·4
2	Shoeburyness ...	65	53	47	-	-	2·0
	Felixstowe ...	62	52	48	-	-	2·0
	Gorleston ...	67	54	51	-	-	4·8
	Mildenhall ...	65	56	52	-	-	4·3
	Cranwell ...	66	54	51	Tr	Tr	4·6
3	Birmingham ...	58	54	52	0·3	0·2	0·0
	Upper Heyford	61	54	47	Tr	0·1	*
4	Ross-on-Wye	59	55	53	0·3	0·1	0·0
5	Hartland Point	57	54	52	3	0·6	0·0
	Bristol ...	60	54	53	0·1	0·4	0·0
	Portland Bill ...	55	50	*	-	-	*
	Plymouth ...	56	51	51	0·1	0·6	0·0
	The Lizard ...	55	51	*	2	1	0·0
	Scilly (St.Mary's)	54	53	*	2	13	0·0
6	Pembroke ...	53	50	*	2	2	0·0
7	Holyhead (Valley)	53	49	48	3	10	*
	Chester (Sealand)	63	53	49	Tr	3	1·0
8	Manchester ...	63	51	47	3	0·6	*
10	Spurn Head ...	64	52	*	-	-	2·4
	Catterick (Sc)...	66	47	45	0·3	3	1·4
	Tynemouth ...	66	50	43	0·5	Tr	*
11	St. Abbs Head	57	49	*	7	7	*
	Leuchars ...	59	47	43	2	-	1·5
12	Renfrew (Abbots L)	57	49	39	15	Tr	3·2
	Eskdalemuir ...	51	46	46	35	3	0·0
	Point of Ayre...	57	49	*	4	4	1·4
13A	Tiree	55	49	47	2	-	4·8
13B	Stornoway ...	55	45	*	4	8	2·0
15	Dalwhinnie ...	52	44	41	11	1	1·2
	Aberdeen † ...	56	49	45	02	-	2·6
	Wick ...	52	44	41	2	-	*
16	Sumburgh ..	49	46	41	7	1	1·3
17	Blacksod Point	56	50	*	2	Tr	*
18	Malin Head ...	57	48	*	3	-	5·7
	Aldergrove ...	59	48	44	6	12	5·9
19	Birr Castle ...	59	48	47	8	3	1·4
20	Valentia Obsy.	57	49	48	2	8	2·7
	Roches Point	55	51	*	3	10	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 12th May: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 13th May: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
109	61	63648	48628	53	22854	20464	50	01851	19311	57	02752	16425
115	52	62735	16368	52	81844	57587	57	14844	87687	57	02744	87567
203										5-	03848	16528
206	52	62754	20268	86	01853	24484	8-	81855	20215	57	02863	20488
210	5-	02857	15327	26	25853	21483	40	02961	53515	57	02961	18427
219	57	22745	18667	36	81645	19687	8-	81647	50717	52	61745	18668
230	52	64635	20368	77	02865	52365	53	02863	20387	52	02852	16328
245	5-	22758	17468	80	01853	54464	05	02790	22387	52	02762	18328
260	52	64645	19668	26	02854	20425	5-	02755	20415	5-	05658	12168
278	52	64637	51468	87	02843	18326	52	02742	21328	62	64637	16268
279	62	61625	51868	87	02843	52766	52	02744	20528	52	62645	10268
285	27	51745	22658							62	64624	12368
288	57	02855	49527	57	22848	52567	07	02790	24128	62	67338	00068
575	8-	02855	18465	86	01854	53524	5-	02858	16318	52	62645	15168
301	5-	02745	18668	52	02766	20568	02	64690	16268	62	52525	14568
321	57	05644	53427	57	22644	18367	5-	05658	18228	5-	05638	17458
2.9	5-	05645	22425	5-	05645	20625	5-	05646	22466	5-	42647	14347
292	5-	05656	18527	57	22741	20468	57	22665	20168	5-	22548	18368
310												
614	57	05645	51428	5-	52524	52457	52	05655	17328	52	05654	18327

III	13h. G.M.T. 12th May: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 13th May: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
333	62	59525	50868	57	04734	50568	02	64548	17368	62	21627	50768
334	--	63647	28488							--	61637	26588
340	52	02645	59658	77	02948	20427	52	61755	16268	--	05645	20427
136	5-	05648	20468	53	02744	18427	5-	02765	20328	57	02765	18427
330	62	62526	20468	57	02756	24328				52	22656	20468
350	5-	02748	17458	5-	02745	52428	57	05664	18256	57	02872	16225
368	5-	02734	18328	5-	22644	22268	5-	02748	17328	55	02763	20416
379	5-	05635	53658	5-	51826	21756	--	46209	16459	57	05637	16448
390	5-	05544	51427	5-	05546	16468	57	05565	16228	00	08490	20213
382	5-	02735	18457	62	61736	55568	53	02744	16125	53	02835	20425
438	54	01763	20513							00	00790	20410
430	5-	02747	18427	5-	05647	18228	5-	02755	18225	03	01790	17114
409	52	51627	51628	52	21627	18458	5-	51418	16558	52	22607	50658

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 13th May, 1943.
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew ...	$cir_o m_o c$	ccm_o	$cm_o bcw$	Kew 24 hours ended 7h Max. Time 0·7 6-7h 13th Min. Time 0·1 Rest of Period
Croydon ...	$cid_o c$	$ccid_o$	$cm_o obcm_o$	
Greenwich ...	c	c	cb	
Camden Square	c	c	*	
Kensington ...	oc	c	*	
Hampstead ...	obc	o	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 ...	62	53	45	Tr	-	0·5	*	*
Croydon ...	65	53	45	Tr	-	1·5	*	*
Greenwich ...	66	52	43	-	-	1·0	70	66
Westminster ...	68	54	47	-			71	69
Regents Park ...	69	55	54	-	-		78	71
Camden Square	62	53	47	-	-	*	*	69
Kensington ...	62	53	46	-	-		81	67
Hampstead ...	63	54	49	-	-		*	77

Page 1 BRITISH SECTION

SECRET

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

Friday 14th May 1943. No. 29758

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

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)	26·0	0	SWW	4	bc	68	65	54	8	1	–	8	1	4-6	2500
	Croydon	26·1	0	SW'S	4	bc	75	55	56	8	1	4	2	1	4-6	2500
	S. Farnborough	26·3	+2	SW	4	bc	72	55	56	9	1	–	1	4-6	4-6	2500
	Boscombe Down	25·8	+6	SSW	4	cbc	69	75	58	8	2	–	1	4-6	7-8	2000
	Thorney Island	26·6	–4	SSW	4	bbc	71	65	58	8	1	3	2	1	2-3	4000
	Lympne	27·7	+6	S	2	bbc	70	65	58	8	1	–	9	Tr	2-3	2500
	Manston	26·5	–4	SSW	3	bc	73	55	56	8	1	–	3	Tr	4-6	2500
2	Shoeburyness	26·1	–4	S	4	bc	76	65	61	8	1	7	2	Tr	4-6	4000
	Felixstowe	26·6	+4	SSE	4	cbc	64	75	56	8	1	3	2	Tr	7-8	4000
	Gorleston	24·5	–6	S'E	5	bc	58	85	53	7	–	–	4	0	4-6	–
	Mildenhall	24·1	–4	SW	5	c	75	35	48	8	1	4	2	1	9	2500
	Cranwell	21·6	–2	SW	6	c	71	65	57	8	7	3	1	4-6	9	3000
3	Birmingham	22·5	+4	SSW	5	c	67	65	55	8	7	7	1	4-6	10	2500
	Upper Heyford	23·9	–2	SWS	4	bc	71	55	54	8	1	–	9	2-3	4-6	2500
4	Ross-on-Wye	22·8	+4	S'W	4	bc	69	65	57	8	1	–	3	2-3	4-6	3000
5	Hartland Point	22·0	+4	SW	3	bc	65	85	59	7	2	–	–	4-6	4-6	2000
	Bristol	24·3	+2	S'W	4	cbc	69	75	60	8	1	4	9	1	7-8	1500
	Portland Bill	26·3	+4	SW	3	bc	56	85	52	8	2	–	–	4-6	4-6	4000
	Plymouth	26·0	+2	SSW	3	c	60	92	57	8	7	7	6	1	9	2000
	The Lizard	24·5	+10	S	4	cbc	58	92	56	7	5	–	–	7-8	7-8	2000
	Scilly (St. Mary's)	22·2	+2	SSW	5	c	58	85	53	6	–	–	1	0	9+	–
	Guernsey															
6	Pembroke	21·9	+12	SSW	6	zo	53	97	52	6	2	6	–	4-6	9+	2000
7	Holyhead (Valley)	17·9	+10	S'W	8	zo	55	92	52	6	5	–	–	10	10	600
	Chester (Sealand)	19·9	+10	SSW	3	c	63	75	56	8	5	7	8	4-6	9+	1500
8	Manchester	20·8	+14	S'W	5	c	63	85	57	7	5	2	–	2-3	9	2000
10	Spurn Head	21·4	+2	SW	6	eq	68	75	65	7	7	2	–	7-8	10	2500
	Catterick (Sc)	18·3	+6	SSW	4	zo	63	75	57	6	5	–	–	10	10	800
	Tynemouth	17·9	–2	SW	6	cbcq	63	75	54	7	8	–	–	7-8	7-8	2200
11	St. Abbs Head	15·6	–8	SSW	3	f	48	97	48	3	–	–	–	10	10	<150
	Leuchars	15·4	–2	S'E	3	c	56	75	47	7	5	2	–	4-6	10	2000
12	Renfrew (Abbots I.)	14·1	–14	SSE	1	roro	52	92	48	8	–	2	–	10	10	2000
	Eskdalemuir	15·7	–6	SSW	6	rorof	51	97	50	3	–	2	–	10	10	<150
	Point of Ayre	16·7	+24	WSW	7	roro	56	97	55	6	6	2	–	7-8	10	1000
13A	Tiree	12·5	–2	SSE	5	c	53	85	47	9	5	3	8	1	9	2500
13B	Stornoway	09·9	+2	S	8	c	54	75	46	7	5	7	1	7-8	9	1800
15	Dalwhinnie	14·0	–2	S	4	c	53	65	41	8	5	1	–	7-8	10	2500
	Aberdeen	15·5	+12	S'E	4	c	53	75	46	7	1	7	–	Tr	9+	1500
	Wick	12·6	+6	SSE	4	c	52	75	43	8	5	7	–	2-3	10	3000
16	Sumburgh	12·7	+4	S'W	5	c	51	85	48	8	5	1	–	7-8	10	2500
17	Blacksod Point	10·0	–10	SE	1	roro	53	97	53	7	6	2	–	4-6	10	1500
18	Malin Head	11·2	–2	SW	3	roro	52	97	52	8	5	2	–	4-6	10	2500
	Aldergrove	12·3	–18	SSE	1	dodo	54	97	53	5	6	2	–	9	10	500
19	Birr Castle	12·0	+6	SSW	4	c	59	85	55	7	6	2	–	7-8	10	800
20	Valentia Obsy.	11·1	+6	S'W	6	dodo	55	97	55	6	5	–	–	10	10	800
	Roches Point	15·3	+10	SSW	6	m	53	97	52	4	5	–	–	10	10	450

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

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)	25·5	–2	SW	3	bc	68	65	56	8	–	3	6	0	4-6	–	1	*
Croydon	26·0	+2	S'E	2	bc	71	65	58	9	–	4	4	0	4-6	–	0	*
S. Farnborough	25·4	–6	SW'S	3	cbc	70	55	54	8	–	4	4	0	7-8	–	0	*
Boscombe Down	25·1	–4	SSW	3	b-bc	66	75	57	8	–	–	9	0	2-3	–	0	*
Thorney Island	25·8	–8	SE'S	2	b-bc	63	85	57	8	1	4	4	Tr	2-3	4000	0	*
Lympne	27·1	–6	S	2	b	65	75	56	8	–	–	1	0	1	–	0	2
Manston	26·7	+2	S'W	3	bc	70	75	60	8	–	–	8	0	4-6	–	0	*
Shoeburyness	26·1	0	SSW	3	b-bc	69	75	59	9	–	7	1	0	2-3	–	0	*
Felixstowe	26·4	–2	S'W	4	bc	62	75	54	8	–	3	2	0	4-6	–	0	3
Gorleston	24·5	0	S'W	3	bc	59	85	53	7	–	–	5	0	4-6	–	0	4
Mildenhall	24·2	+2	SW'S	4	c	73	45	50	8	–	4	2	0	9	–	0	*
Cranwell	22·1	+6	SW'S	5	c	70	65	57	8	5	7	5	2-3	9+	1500	0	*
Birmingham	22·5	0	SSW	3	c-bc	68	65	56	8	1	7	2	1	7-8	2500	1	*
Upper Heyford	23·6	–2	SWS	3	c	70	65	56	8	–	4	6	0	9	–	0	*
Ross-on-Wye	22·7	0	SSW	3	b-bc	68	75	58	8	1	4	5	Tr	2-3	3000	1	*
Hartland Point	22·0	0	SW	4	b-bc	65	75	57	8	1	4	6	Tr	2-3	3000	0	3
Bristol	24·4	0	S	3	bc	66	75	59	8	–	4	2	0	4-6	–	1	*
Portland Bill	25·0	–10	E	3	c-bc	56	85	52	8	2	4	–	4-6	7-8	4000	1	4
Plymouth	24·6	–10	S'W	2	b-bc	62	85	56	8	–	4	4	0	2-3	–	1	2
The Lizard	23·8	–6	S	4	bc	57	92	55	7	7	4	4	4-6	4-6	3000	0	4
Scilly (St. Mary's)	21·8	–2	SW'S	4	c-bc	57	85	53	7	5	4	–	4-6	7-8	1200	1	4
Guernsey																	
Pembroke	21·1	+4	SSW	6	c-bc	54	92	51	7	2	3	1	2-3	7-8	2500	1	4
Holyhead (Valley)	18·5	+2	SSW	7	c	56	85	50	7	5	–	–	9+	9+	2500	1	6
Chester (Sealand)	19·9	0	S'W	3	c	67	65	55	8	5	7	9	2-3	9+	2000	1	*
Manchester	20·7	–2	S	5	c	66	65	55	8	5	4	2	Tr	9	4000	1	*
Spurn Head	21·6	0	SSW	4	bc	65	75	56	7	7	1	–	4-6	4-6	1500	0	3
Catterick (Sc)	18·8	+4	SW	4	zo	64	75	57	5	5	7	–	4-6	9	1200	1	*
Tynemouth	18·1	+2	SSW	6	c	65	75	56	7	8	3	–	7-8	9	2200	1	3
St. Abbs Head	14·1	+4	SSW	5	c	57	97	57	7	5	2	–	7-8	10	2000	1	4
Leuchars	13·0	–12	–	0	iro	53	85	53	6	5	–	–	10	10	1000	1	*
Renfrew (Abbots I.)	11·9	–10	SSW	5	c/r	55	92	53	6	5	2	–	9	10	400	1	*
Eskdalemuir	15·2	0	SW'S	7	f	52	97	52	2	–	–	–	10	10	<150	1	*
Point of Ayre	15·6	0	SW	6	c	58	85	54	7	5	7	8	1	9+	800	1	4
Tiree	10·6	–10	SE	2	roro	51	97	49	7	5	–	–	10	10	900	1	4
Stornoway	10·9	+2	SSW	4	c	51	75	45	8	5	2	–	7-8	10	1800	1	3
Dalwhinnie	11·6	–6	S	3	ir	49	92	47	6	5	2	–	9	10	1500	1	*
Aberdeen	13·6	–14	S	3	ido	49	97	48	5	5	–	–	10	10	500	0	2
Wick	11·6	–6	SSE	3	c	51	85	46	8	5	7	–	2-3	10	3000	0	*
Sumburgh	13·0	+2	S	4	c	49	92	47	8	1	7	4	Tr	10	2500	0	3
Blacksod Point	09·3	+2	S	2	iro	53	97	53	7	6	2	–	4-6	10	1500	2	2
Malin Head	09·1	–10	E	2	rr	50	97	50	7	5	2	–	2-3	10	2500	2	3
Aldergrove	11·8	–2	S	3	c	59	85	55	8	6	2	–	7-8	10	600	1	*
Birr Castle	12·5	+4	SSW	4	c	58	85	54	7	6	2	–	7-8	10	800	1	*
Valentia Obsy.	15·0	+26	SW'S	3	dr	52	97	52	6	5	–	–	10	10	800	1	4
Roches Point	16·2	–6	SSW	5	c	54	92	52	7	5	–	–	9+	9+	800	1	5

PAST 24 HOURS — Weather

Stations	7h.—13h. 13th (39)	13h.—18h. 13th (40)	18h. 13th to 1h. 14th (41)	1h.—7h. 14th (42)
London (Kew)	bcmobc	bcybc	bcw	bcbmow
Croydon	bcbcy	bcy	bcbtlr	bctlr bc
S. Farnborough	bcvbcy	ybcbbc	bcybcbmo	bmobw
Boscombe Down	bcc	bcbbc	bcbw	bw
Thorney Island	bc	bc	bcbbcw	bw
Lympne	cbcb	b	c	blbcb
Manston	bbcy	bcvybc	bcb	b
Shoeburyness	bc	bcybc	bcb	bw
Felixstowe	cbc	cbc	bc	bcb
Gorleston	cbc	bbc	bczow	bcb
Mildenhall	ccy	cbccy	cycpr	bcmowb
Cranwell	cbcc	ccy	c	cbc
Birmingham	cbc	bc	bc	bc
Upper Heyford	bcbcy	bcy	c	bclbc
Ross-on-Wye	bc	bccbc	bc	bwbcc
Hartland Point	bccbc	bc	bc	bccodfdf
Bristol	bc	bcc	bc	bcbcmfgw
Portland Bill	cbc	bcc	b	bc
Plymouth	ofmidcmo	cbc	bcmof	bcmofF
The Lizard	dfcc	cbc	bcw	Ffbf
Scilly (St. Mary's)	ofec	c	cbacw	cbccw
Guernsey				
Pembroke	cidfmq	c	cbecq	Fedodom
Holyhead (Valley)	rro como	omoc	cmo	codof
Chester (Sealand)	c	c	c	c
Manchester	cmoc	c	c	ccmow
Spurn Head	eq	c	c	bc
Catterick (Sc)	cmoidmo	czo	czomo	cmobcc
Tynemouth	oiroffcq	cqc	cmo	bczocmo
St. Abbs Head	crof	cfrroc	cbcc	ciroc
Leuchars	ciromoc	ccromo	cromoc	cbc
Renfrew (Abbots I.)	cmororo	cfddrroc	cmocmoirodd	cmoc
Eskdalemuir	ororomof	orrf	crorocmo	cmo
Point of Ayre	rrroroir	roroc	c	dodoc
Tiree	c	ccro	cdodorrmo	crorocmobc
Stornoway	crrc	c	crorocrr	crrrorobc
Dalwhinnie	oco	oir	*	oirbc
Aberdeen	cczoc	c	cdodomo	cbcbbc
Wick	c	c	cdoromo	cirocjp
Sumburgh	c	c	crodof	bFf
Blacksod Point	r	r	r	bc
Malin Head	r	r	r	bc
Aldergrove	oidododo	cdodoc	ccirir₀c	c
Birr Castle	r	r	*	c
Valentia Obsy.	r	r	r	c
Roches Point	d	c	c	c

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

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands	Light variable breeze, finally northwesterly light to moderate; mainly fine but a few isolated thunderstorms possible later; very warm, becoming much cooler later.
4 W. Midlands; 5 S.W. England; 6 South Wales	Light westerly winds becoming northwest light to moderate; cloudy with some coastal drizzle and fog at first; then fair; becoming cooler generally.
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 northwest winds, falling light later; fair generally; rather warm by day, moderate temperature at night.
13A W. Scotland; 13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Moderate to fresh westerly winds; fair apart from a few showers near the north coast at first; rather cold.
16 Orkneys and Shetlands	As 13A-15.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Light to moderate northwest winds, falling light and variable; fair or fine; becoming rather warm by day.

GENERAL INFERENCE

A shallow depression near the Faeroes is moving northeast and an anticyclone to southwest of Ireland is spreading northeast. Weather will be fair or fine nearly everywhere but a few isolated thunderstorms may occur in Southeast England, prior to a very considerable fall in temperature in this area.

FURTHER OUTLOOK

Fair weather continuing.

Forecasts issued at 10.30

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

7h. Friday 14th May 1943.

LOW

HIGH

HIGH

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

10° 5°W. 0° 5°E. 10°

60° 55° 50°

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

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

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Weather in past hour

Past weather

Scale 1 : 5,000,000

Mb In

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

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

Morning of

Friday, 14th May

1943.

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 two hours to get double summer time.

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

Friday 14th May 1943 — No. 2978

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

Dist.	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon ...	290	26·1	0	SE	2	bc/Hr$_o$	61	85	57	7	3	–	6	4-6	4-6	3000
	S. Farnborough	226	28·9	-2	–	0	z$_o$	55	85	52	6	–	–	1	0	Tr	–
	Boscombe Down	417	25·8	-2	ESE	2	b-bc	52	92	50	7	–	4	6	0	2-3	–
	Thorney Island	10	25·8	-2	ENE	1	b	56	92	54	8	–	–	–	0	0	–
	Lympne ...	283	28·1	+4	SE	2	bl	62	85	57	7	2	–	5	Tr	1	2000
	Manston ...	154	26·7	-6	SE'S	3	b-bc	61	85	55	8	–	–	8	0	2-3	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	26·0	-6	SE'6	3	b-bc	60	75	52	7	–	7	1	0	2-3	–
	Gorleston ...	5	25·9	0	SSW	3	b-bc	54	85	49	7	2	4	–	2-3	2-3	4000
	Mildenhall ...	15	25·8	0	SSW	2	pr	62	85	56	8	2	–	–	7-8	7-8	4000
	Cranwell ...	203	24·4	+2	SSW	3	c	59	85	54	7	–	7	8	0	2	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	25·0	-4	SSE	1	bcl	57	92	55	7	3	–	8	1	4-6	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	23·7	+4	SW	4	bc	59	85	55	8	2	4	6	Tr	4-6	4000
	Bristol ...	209	25·4	0	S	2	bc	58	85	54	8	–	–	8	0	4-6	–
	Portland Bill ...	32	25·4	0	NE	3	b	56	85	52	8	–	–	–	0	0	–
	Plymouth ...	82	25·4	0	–	0	z$_o$	53	97	53	5	5	4	–	4-6	4-6	3500
	The Lizard ...	240	25·0	+4	SW	3	bc	53	97	52	8	4	4	–	4-6	4-6	2500
	Scilly (St.Mary's)	163	25·0	+14	SW	3	c	53	97	52	7	5	–	–	9+	9+	1000
	Guernsey ...	175															
6	Pembroke ...	142	24·3	+14	SW'W	5	cq	52	97	52	7	8	–	–	9+	10	2500
7	Holyhead (Valley)	32	21·8	+14	SSW	7	Z$_o$	51	92	50	6	5	–	–	10	10	1000
	Chester (Sealand)	16	22·5	+6	S'W	2	c	60	75	53	8	5	7	–	7-8	10	3000
8	Manchester ...	235	23·2	+6	S	3	c	58	85	54	8	5	7	–	Tr	9+	4000
10	Spurn Head ...	29	24·0	+4	SSW	4	c	56	85	52	7	5	1	–	4-6	9+	1500
	Catterick (Sc.)	192	20·7	+4	SSW	4	z$_o$	59	85	54	6	–	7	–	0	7-8	–
	Tynemouth ...	108	19·6	+4	SW	6	z$_o$	61	75	52	6	8	–	–	9	9	2500
11	St. Abbs Head	280	15·1	+8	SSW	4	c	57	97	56	7	5	–	–	9+	9+	2500
	Leuchars ...	36	14·7	+10	WSW	4	c	58	85	54	7	5	7	–	4-6	10	1500
12	Renfrew (Abbots L.)	19	15·3	+26	SSW	5	c/d	55	92	53	6	5	2	–	9	10	1000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	18·1	+12	SW'W	5	c	54	92	52	8	5	7	–	9	10	2500
13A	Tiree	44	13·0	+26	W	3	r$_o$r$_o$	49	97	49	6	6	7	7	7-8	10	800
13B	Stornoway ...	15	11·2	+4	S	3	rr	48	97	48	7	5	2	–	9+	10	2700
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	12·6	+4	SSW	4	d$_o$d$_o$	57	85	53	6	5	2	–	9	10	1700
	Wick ...	114	11·5	-2	–	0	r$_o$r$_o$	48	97	48	6	5	2	–	2-3	10	1000
16	Sumburgh ..	19	10·9	-10	S'W	2	df	47	97	47	3	–	2	–	10	10	100
17	Blacksod Point	18	17·8	+36	SW	4	c-bc	49	75	42	7	8	–	–	7-8	7-8	1500
18	Malin Head ...	84	14·5	+40	W	3	c-bc	50	85	46	8	9	–	–	7-8	7-8	2500
	Aldergrove ...	268	17·6	+38	SW's	3	c	52	92	50	7	5	7	–	9	9+	1500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21·7	+20	WSW	3	c	51	92	49	8	8	–	–	9+	9+	2500
	Roches Point	22	21·4	+26	SSW	4	bc	53	97	52	8	5	3	–	2-3	4-6	1500

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

Dist.	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	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)	26·7	+6	S	1	z$_o$	63	85	58	6	–	–	–	0	0	–	1	*
	Croydon ...	27·0	+8	SSE	3	b	67	75	59	8	–	–	–	0	0	–	1	*
	S. Farnborough	26·7	+10	SSW	1	b	62	85	57	8	–	5	–	0	Tr	–	0	*
	Boscombe Down	27·0	+18	SSW	1	b	59	92	56	7	–	8	1	0	1	–	0	*
	Thorney Island	26·8	+6	–	0	b	58	92	56	8	–	4	–	0	Tr	–	0	*
	Lympne ...	28·0	+6	SE	2	b	66	75	59	8	1	–	–	Tr	Tr	2000	0	3
	Manston ...	27·6	+6	SSE	2	b	67	75	60	8	–	–	1	0	Tr	–	0	*
2	Shoeburyness ...	27·1	+8	–	0	b	66	85	60	8	–	–	1	0	Tr	–	0	*
	Felixstowe ...	27·3	+8	S'W	2	b	62	85	56	7	–	–	–	0	0	–	0	1
	Gorleston ...	25·8	+2	SW	2	b	58	65	46	7	–	–	–	0	0	–	0	2
	Mildenhall ...	25·9	+4	S'W	2	b-bc	65	75	59	7	–	4	1	0	2-3	–	0	*
	Cranwell ...	25·6	+12	WSW	3	bc	61	85	55	7	1	3	2	Tr	4-6	2500	0	*
3	Birmingham ...	25·7	+10	SW	3	c-bc	58	85	53	7	–	5	–	0	7-8	–	1	*
	Upper Heyford	26·0	+14	S'E	2	z$_o$	58	92	54	6	–	–	9	0	2-3	–	0	*
4	Ross-on-Wye	25·7	+10	SSW	2	z$_o$	56	92	53	6	–	9	9	0	4-6	–	1	*
5	Hartland Point	26·8	+24	WSW	2	df	51	97	51	3	–	–	–	10	10	<150	1	3
	Bristol ...	27·2	+18	W	3	z$_o$	58	92	55	6	5	–	9	7-8	7-8	800	1	*
	Portland Bill ...	26·4	+16	W	2	bc	57	85	53	8	2	–	–	4-6	4-6	4000	1	4
	Plymouth ...	27·4	+18	W'S	1	F	51	97	51	1	–	–	–	10	10	<150	0	(3)
	The Lizard ...	26·3	+20	W	3	df	51	97	51	2	5	–	–	10	10	400	1	3
	Scilly (St.Mary's)	26·9	+14	SW'S	2	qjf	54	97	53	6	5	–	–	10	10	900	1	3
6	Pembroke ...	26·5	+16	SW	2	m	51	97	51	4	5	–	–	10	10	1500	1	3
7	Holyhead (Valley)	25·2	+24	SW'W	3	df	51	97	51	3	–	–	–	10	10	<150	1	4
	Chester (Sealand)	25·0	+22	SW	1	c	58	75	52	8	8	7	–	4-6	9+	1500	0	*
8	Manchester ...	24·6	+14	S'E	3	z$_o$	58	85	53	6	5	4	2	Tr	7-8	4000	1	*
10	Spurn Head ...	25·2	+12	WSW	3	bc	60	75	52	7	7	–	–	4-6	4-6	2500	0	2
	Catterick (Sc.)	23·6	+20	WSW	2	z$_o$	56	85	52	6	5	7	–	7-8	9	1000	1	*
	Tynemouth ...	22·9	+20	SSW	3	c	57	75	49	7	8	–	–	9	9	2500	1	2
11	St. Abbs Head	20·2	+24	WSW	3	c-bc	53	85	49	7	5	2	–	4-6	7-8	2000	0	2
	Leuchars ...	19·0	+26	SSW	4	bc	54	75	46	9	5	7	–	2-3	4-6	3000	0	*
12	Renfrew (Abbots L.)	20·9	+26	WSW	3	c-bc	51	85	48	8	7	7	–	2-4	7-8	1200	1	*
	Eskdalemuir ...	21·3	+18	SW'W	4	c	51	92	49	6	5	2	–	9+	10	300	1	
	Point of Ayre ...	23·5	+28	W'N	4	c	53	92	51	6	5	7	–	Tr	9+	1000	1	3
13A	Tiree	19·3	+34	SW	3	bc	50	75	43	7	8	–	–	4-6	4-6	2500	1	3
13B	Stornoway ...	13·7	+20	SW	6	c-bc	43	75	40	8	8	4	–	7-8	7-8	1800	1	4
15	Dalwhinnie ...	18·0	+20	SW	4	bc	48	75	40	8	8	–	–	4-6	4-6	2500	1	*
	Aberdeen † ...	17·6	+36	SSW	3	bc	57	65	48	8	2	4	1	2-3	4-6	3000	1	1
	Wick ...	14·2	+24	SSW	1	c-bc/p	53	85	48	8	8	–	–	7-8	7-8	1000	1	*
16	Sumburgh ..	11·9	+14	SW's	2	f+	48	97	48	2	–	–	–	10	10	<150	1	3
17	Blacksod Point	23·1	+30	WSW	4	bc	51	75	44	8	8	–	–	4-6	4-6	2500	1	3
18	Malin Head ...	20·7	+28	WSW	4	bc	49	75	41	8	5	–	–	4-6	4-6	2500	2	4
	Aldergrove ...	23·4	+36	W's	3	c-bc	50	85	46	8	5	3	–	4-6	7-8	2000	1	*
19	Birr Castle ...	25·5	+36	SSW	1	c	50	85	46	8	5	1	–	7-8	9+	1500	1	*
20	Valentia Obsy.	27·1	+30	WNW	2	c	50	75	42	9	1	3	5	Tr	9+	2500	1	3
	Roches Point	26·2	+30	NNW	3	c	51	85	47	8	5	–	–	9	9	2500	1	5

PAST 24 HOURS.

Dist.	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 13th hrs. (38)
1	London (Kew)	72	52	40	–	–	12·6
	Croydon ...	76	59	54	–	1	13·5
	S. Farnborough	74	53	41	–	–	13·2
	Boscombe Down	71	49	46	–	–	12·4
	Thorney Island	71	54	45	–	–	*
	Lympne ...	71	51	46	–	–	12·0
	Manston ...	74	59	57	–	–	12·7
2	Shoeburyness ...	76	56	50		–	12·
	Felixstowe ...	67	54	49	–	–	11·2
	Gorleston ...	63	54	50	–	Tr	10·2
	Mildenhall ...	77	56	51	–	Tr	10·2
	Cranwell ...	74	55	52	–	–	3·7
3	Birmingham ...	70	55	49	–	–	6·5
	Upper Heyford	72	53	48	–	–	*
4	Ross-on-Wye	71	53	45	–	–	11·3
5	Hartland Point	66	51	51	–	0·1	1·8
	Bristol ...	70	49	37	–	Tr	14·0
	Portland Bill ...	56	53	*	–	–	*
	Plymouth ...	62	45	35	Tr	Tr	8·3
	The Lizard ...	58	51	*	0·5	Tr	9·7
	Scilly (St.Mary's)	59	50	*	Tr	–	7·6
6	Pembroke ...	56	50	*	Tr	Tr	2·3
7	Holyhead (Valley)	59	50	51	3	1	*
	Chester (Sealand)	68	58	53	Tr	–	0·8
8	Manchester ...	66	54	49	Tr	Tr	*
10	Spurn Head ...	71	53	*	–	–	2·3
	Catterick (Sc.) ...	65	55	52	0·5	–	1·6
	Tynemouth ...	66	57	53	1	–	*
11	St. Abbs Head	57	52	*	2	Tr	*
	Leuchars ...	56	52	49	1	Tr	0·0
12	Renfrew (Abbots L.)	55	51	46	7	0·3	0·0
	Eskdalemuir ...	52	49	49	12	3	0·0
	Point of Ayre ...	60	52	41	8	0·2	0·4
13A	Tiree	54	47	48	Tr	6	0·7
13B	Stornoway ...	56	46	45	1	3	2·9
15	Dalwhinnie ...	55	46	43	0·5	6	1·1
	Aberdeen † ...	54	48	48	Tr	Tr	0·0
	Wick ...	54	47	46	–	3	*
16	Sumburgh ..	53	47	44	–	0·3	4·2
17	Blacksod Point	55	48	*	5	Tr	*
18	Malin Head ...	55	47		3	4	0·0
	Aldergrove ...	59	48	41	3	1	0·0
19	Birr Castle ...	59	48	45	1	1	0·0
20	Valentia Obsy.	55	48	45	5	0·1	0·0
	Roches Point	55	51	*	0·1	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 13th May ..... 18h. G.M.T.

III	C$_L$ C$_M$	wwVhN$_h$	DDFWN
109	51	02753	50427
115	54	14844	49626
203			
206	57	02864	19327
210	59	02861	20428
219	57	61856	18729
230	52	61556	18168
245	57	02851	15328
260	5-	63448	00068
278	52	52447	16268
279	62	64525	13868
285	62	63524	24668
288	57	05645	52628
575	62	58526	16168
301	57	02754	16467
321	11	02753	20527
2.8	8-	01744	20514
292	57	05645	18428
310	–	0263	
614	74	05655	21327

C$_L$ C$_M$	wwVhN$_h$	DDFWN
51	03764	20428
52	02845	20428
52	61852	20168
02	62790	00068
57	61843	17468
52	62653	00068
02	52537	06168
57	02	
62	59527	18268
57	02743	18527
07	05690	20427
8-	02745	20314
57	05641	53427
57	05653	53327

01h. G.M.T. 14th May ..... 07h. G.M.T.

C$_L$ C$_M$	wwVhN$_h$	DDFWN
52	52648	00058
52	62845	18268
5-	52738	16258
52	58627	00068
57	22765	00058
5-	52648	18468
52	05755	53468
53	51758	51857
57	05654	18525
52	22744	51328
52	02845	20828
07	05690	18526
5-	02856	51456
07	05690	21427
07	05630	18427
60	05644	22314
57	05653	20225
57	07630	18228

13h. G.M.T. 13th May ..... 18h. G.M.T.

III	C$_L$ C$_M$	wwVhN$_h$	DDFWN
333	5-	03628	51628
334			
340	57	02755	53427
136	10	02861	19614
336	52	05644	20428
350	10	01863	53415
368	53	02854	18315
379			
390	10	01761	18414
382	14	02852	53515
438	44	01762	20213
430	10	01851	21313
409	10	02851	18627

C$_L$ C$_M$	wwVhN$_h$	DDFWN
5-	02768	50528
2-	02755	20215
04	02830	12328
03	01830	16314
03	02851	20526
03	01830	18314
00	00790	00010
00	01890	18212
04	01830	17524

01h. G.M.T. 14th May ..... 07h. G.M.T.

C$_L$ C$_M$	wwVhN$_h$	DDFWN
5-	05636	51528
04	01790	16124
3-	23545	14295
00	07830	00013
50	01763	00013
04	05690	16226

C$_L$ C$_M$	wwVhN$_h$	DDFWN
5-	52408	20458
--	51537	26428
08	05690	18213
53	02756	20416
00	01690	20313
5-	04528	24328
00	01890	22314
00	00790	20410
00	00790	18110

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

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

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LONDON OBSERVATIONS

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

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre. Kew 24 hours ended 7h Max. Time / Min. Time
Kew ...	bcm$_o$bc	bcybc	bcw mist	4 p.m. / 4 a.m.
Croydon ...	bcbcy	bcybc	bc+hrbc	
Greenwich ...	by	by	c bR+b	
Camden Square	bc	b	*	
Kensington ...	bc	bc	*	
Hampstead ...	bc	b	b	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	72	52	40	–	–	12·6	*	*
Croydon ...	76	59	54	–	1	13·5	*	*
Greenwich ...	78	57	44	–	4	13·5	46	59
Westminster ...	75	57	49	–			48	64
Regents Park ...	76	55	43		–		53	57
Camden Square	77	56	48	–	–	*	77	56
Kensington ...	76	54	44	–	–		59	63
Hampstead ...	74	59	51	–	–		*	66

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

SECRET

Saturday 15th May 1943.

No. 29759

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

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	0	SSW	2	b	77	45	52	8	1	–	–	1	1	2500
	Croydon ...	27·6	0	SW	2	b	81	45	60	8	1	–		Tr	Tr	2500
	S. Farnborough	28·0	+2	WSW	3	b	81	45	56	8	1	–		Tr	Tr	3000
	Boscombe Down	28·2	+2	W	1	b	76	45	53	8	–	4	–	0	1	–
	Thorney Island	28·5	+6	SE	2	b	67	85	60	8	1	–	–	0	0	–
	Lympne ...	28·9	0	SE	2	b	72	75	63	8	–	–	–	0	0	–
	Manston ...	27·9	–4	SWS	2	b	81	55	62	8	–	–	–	0	0	–
2	Shoeburyness ...	26·6	–14	S	2	b	83	55	66	8	1	–	–	Tr	Tr	2500
	Felixstowe ...	27·5	–4	S	4	b	73	65	60	8	1	–	–	Tr	Tr	4000
	Gorleston ...	26·5	+4	SSE	2	2o	71	65	56	6	1	–	–	Tr	Tr	3000
	Mildenhall ...	27·3	0	W	3	b	83	45	57	8	1	4	–	Tr	1	4000
	Cranwell ...	27·2	+4	WSW	3	2o	73	45	51	6	–	–	–	0	0	–
3	Birmingham ...	27·9	+10	W	2	b-bc	70	55	53	8	7	–	–	2-3	2-3	4000
	Upper Heyford	27·5	+6	WSW	2	b	75	35	48	8	–	–	1	0	1	–
4	Ross-on-Wye	27·8	+6	WN	2	bc	71	65	57	7	7	–	–	4-6	4-6	3500
5	Hartland Point	30·1	+14	WSW	3	c	55	92	53	8	5	–	–	9	9	2000
	Bristol ...	29·4	+4	W	2	b	66	75	58	8	–	–	1	0	Tr	–
	Portland Bill ...	29·1	+12	W	2	bc	59	85	55	8	2	–	–	4-6	4-6	4000
	Plymouth ...	29·4	+6	NNW	1	b-bc	67	75	58	8	5	4	–	1	2-3	2500
	The Lizard ...	29·5	+10	W	2	c-bc	62	85	57	7	7	–	–	7-8	7-8	2500
	Scilly (St. Mary's)	30·1	+10	WS	2	f	56	92	54	3	–	–	–	10	10	150
	Guernsey ...															
6	Pembroke ...	30·3	+18	WN	1	c	55	97	54	7	2	7	1	4-6	10	2500
7	Holyhead (Valley)	29·6	+22	NNW	2	c	56	75	47	8	5	–	–	9	9	3000
	Chester (Sealand)	29·4	+24	NW	3	c	56	75	48	7	5	7	–	7-8	10	3000
8	Manchester ...	28·9	+22	WNW	3	c	60	75	53	7	5	7	–	7-8	10	2500
10	Spurn Head ...	27·2	+6	W	3	b-bc	69	55	52	5	1	–	–	2-3	2-3	4000
	Catterick (Sc) ...	27·7	+18	WSW	3	c-bc	59	75	49	8	8	–	8	4-6	7-8	2000
	Tynemouth ...	26·6	+14	W	3	c-bc	62	55	47	7	2	3	–	4-6	7-8	2400
11	St. Abbs Head	23·7	+18	W	3	bc	60	75	54	7	1	7	–	2-3	4-6	4000
	Leuchars ...	23·4	+20	SW	4	bc	61	45	40	9	1	7	8	2-3	4-6	2500
12	Renfrew (Abbotsl.)	25·7	+22	WSW	6	bc	58	55	41	8	7	7	2	4-6	4-6	2200
	Eskdalemuir ...	25·8	+20	SSW	4	b-bc	57	45	34	8	1	4	5	1	2-3	3500
	Point of Ayre ...	28·4	+24	WN	4	bc	61	65	48	8	1	4	8	Tr	4-6	3000
13A	Tiree	24·0	+28	SWW	5	c-bc	53	75	45	8	5	–	–	7-8	7-8	2500
13B	Stornoway ...	17·1	+14	SW	8	PR	53	85	47	6	8	–	–	9+	9+	1000
15	Dalwhinnie ...	22·5	+24	SW	5	bc	51	55	37	8	8	–	–	4-6	4-6	2500
	Aberdeen ...	21·4	+18	WSW	4	b	63	35	31	9	1	–	8	Tr	1	5000
	Wick ...	18·5	+8	SW	5	bc	58	75	50	9	2	–	1	2-3	4-6	2000
16	Sumburgh ...	16·2	+22	WSW	7	bc	81	75	45	8	1	7	–	Tr	4-6	2500
17	Blacksod Point	28·8	+26	WSW	5	b-bc	55	75	47	8	8	–	–	2-3	2-3	2500
18	Malin Head ...	25·3	+24	W	5	bc	54	75	46	8	8	–	1	4-6	4-6	2500
	Aldergrove ...	27·9	+20	WS	3	bc	58	55	40	9	1	–	4	2-3	4-6	3000
19	Birr Castle ...	29·8	+18	SW	2	bc	59	45	38	8	5	–	–	4-6	4-6	1500
20	Valentia Obsy.	31·6	+20	WN	3	c	54	65	43	9	1	3	–	1	9	2500
	Roches Point	30·4	+18	N	3	bc	59	75	41	8	1	–	5	1	4-6	4000

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

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)	28·0	+4	WNW	2	c-bc	76	45	51	8	7	5	–	4-6	7-8	4000	1	*
	Croydon ...	27·9	+4	W	2	c-bc	79	35	51	8	5	4	–	2-3	7-8	6500	0	*
	S. Farnborough	28·4	+6	NW	2	c	76	45	50	8	5	8	–	4-6	9	3000	0	*
	Boscombe Down	28·9	+6	NW	2	d-c	70	55	54	8	–	5	1	0	7-8	–	0	*
	Thorney Island	28·4	+4	W	2	c-bc	70	65	58	7	–	8	–	0	7-8	–	0	*
	Lympne ...	28·4	0	S	1	b	73	65	60	8	–	–	–	0	0	–	0	2
	Manston ...	28·0	+2	S	2	b	78	65	65	8	2	–	–	Tr	Tr	2500	0	*
2	Shoeburyness ...	27·7	+2	SSW	1	b-bc	79	55	61	8	2	4	–	2-3	2-3	4000	0	*
	Felixstowe ...	27·2	+2	W	2	bc	67	85	61	8	2	–	–	4-6	4-6	4000	0	1
	Gorleston ...	28·0	+6	N	2	2o	61	85	55	6	2	–	–	4-6	4-6	2500	0	2
	Mildenhall ...	27·9	+8	WNW	2	b	79	35	51	9	2	4	–	Tr	1	4000	3	*
	Cranwell ...	28·7	+10	NNW	5	b-bc	66	65	55	5	1	–	5	2-3	2-3	3000	0	*
3	Birmingham ...	29·3	+10	NNW	3	c-bc	62	75	54	8	7	–	2	4-6	7-8	4000	1	*
	Upper Heyford	28·0	+2	WNW	2	b-bc	73	45	52	7	2	7	9	Tr	2-3	4000	0	*
4	Ross-on-Wye	29·3	+12	NNW	3	c-bc	68	65	57	8	7	–	1	4-6	7-8	4000	1	*
5	Hartland Point	31·3	+10	N	2	0	53	97	53	6	5	–	–	10	10	800	0	3
	Bristol ...	29·9	+4	W	2	b-bc	65	75	57	7	–	8	2	0	2-3	–	1	3
	Portland Bill ...	29·1	0	NW	2	c	60	85	56	8	2	4	–	4-6	10	4000	1	3
	Plymouth ...	29·6	+2	NNW	3	b-bc	67	75	60	9	1	3	4	Tr	2-3	2500	0	2
	The Lizard ...	30·3	+4	NW	3	bc	60	85	55	8	5	4	–	4-6	4-6	2500	0	3
	Scilly (St. Mary's)	31·4	+14	N'E	3	o-f	54	97	53	5	5	–	–	10	10	200	1	2
	Guernsey ...																	
6	Pembroke ...	31·7	+14	NW	3	b-bc	56	85	51	8	2	2	–	2-3	2-3	3000	0	3
7	Holyhead (Valley)	31·7	+14	SW	1	bc	56	65	44	9	1	–	2	Tr	4-6	3500	1	2
	Chester (Sealand)	31·4	+16	NW	3	c	55	65	42	8	5	7	6	2-3	9	4000	0	*
8	Manchester ...	30·8	+12	WNW	2	2o	55	75	45	6	5	3	–	5	9+	3000	1	*
10	Spurn Head ...	29·1	+8	NW	2	2o	63	75	54	6	7	7	–	4-6	9+	2700	0	2
	Catterick (Sc) ...	29·0	+10	N	3	bc	60	45	39	9	–	–	6	0	4-6	–	0	*
	Tynemouth ...	28·7	+16	W	3	bc	61	45	39	7	2	3	4	2-3	4-6	2400	0	2
11	St. Abbs Head	26·7	+8	W	3	c-bc	57	45	35	8	1	4	–	4-6	7-8	4000	0	4
	Leuchars ...	26·7	+16	WSW	4	bc	58	45	38	9	1	–	6	2-3	4-6	3500	0	*
12	Renfrew (Abbotsl.)	28·3	+14	NSW	4	bc	55	65	44	8	7	4	5	4-6	4-6	2500	0	*
	Eskdalemuir ...	28·9	+18	NS	3	bc	54	55	37	8	1	2	–	2-3	4-6	2900	0	*
	Point of Ayre ...	30·4	+8	WN	4	b-bc	60	65	46	8	1	–	5	2-3	2-3	4000	0	2
13A	Tiree	28·2	+24	W'S	5	b-bc	81	75	44	8	8	–	4	1	2-3	4000	0	4
13B	Stornoway ...	23·8	+38	NSW	6	c-bc	51	75	44	8	8	–	–	7-8	7-8	1400	1	4
15	Dalwhinnie ...	27·0	+20	NSW	4	pr	47	75	41	7	5	–	–	10	10	1500	1	*
	Aberdeen ...	24·7	+22	N'S	4	b-bc	60	45	36	8	2	–	6	Tr	2-3	4000	0	2
	Wick ...	22·3	+22	SW	5	c-bc	53	65	40	9	8	–	–	7-8	7-8	2500	0	*
16	Sumburgh ...	18·0	+10	WSW	7	c-bc	49	92	47	8	8	6	–	7-8	7-8	2000	0	3
17	Blacksod Point	32·8	+24	WNW	4	bc	53	65	42	8	8	–	2	2-3	4-6	2500	1	3
18	Malin Head ...	29·7	+28	W'S	4	c-bc / pr	51	85	46	8	8	–	7	2-3	7-8	2500	2	4
	Aldergrove ...	30·4	+16	W	4	b-bc	56	55	37	9	1	–	6	1	2-3	3000	1	*
19	Birr Castle ...	32·4	+16	W	2	bc	57	57	42	8	5	–	1	2-3	4-6	2500	1	*
20	Valentia Obsy.	34·2	+14	NWN	3	c-bc	54	65	43	8	1	3	4	1	7-8	2500	1	2
	Roches Point	32·5	+14	N	4	bc	58	65	46	8	5	–	5	4-6	4-6	2500	1	4

PAST 24 HOURS.

Weather. 7h.—13h. 14th ... (39)	13h.—18h. 14th ... (40)	18h. 14th to 1h. 15th. (41)	1h.–7h. 15th (42)
b2o wby	bbccy	cy	cy
bby	by bcy	cyc	cbcc
by vby	by bcy	cyc z₀ ccm₀	cm₀ w cm₀ y
b by	by bcy	bcy bccm₀	bcm₀ bbcy
b	bbcy	ccpr₀	cm₀ bcm₀
b	b	bbw	bwccz₀
bby	by	b	bbcc
bwby	bcy	bc	bccz₀
b	bbc	bcc	c
bz₀	bcz₀	bcz₀	bcb
bby	by	bbcy bm₀cm₀	cm₀cz bcz₀
bcbz₀y	bz₀y bcc₀	cz₀bcz₀	bcz₀bz₀
bc	bc	bc	bcz
bcw m₀y	bv	by cm₀	cbcm₀
bcbbc	bc	c	cbcwb
dfdfifcbc	co	ocbc	bcbw
cm₀b	b	cm₀cm₀w	cm₀obcm₀w
bc	c	c	c
ofbcb	bbcb	bcc	cbcw
dfbc	cbc	bccbc	bc
cofe	cofec	cbcw	bbcc
cm₀	bc	bcw	bc
odofc	cbccy	b,c	b
c	c	cbcm₀	cz₀m₀bc
cmow	ccm₀z₀	cz₀bcm₀	cbcm₀w
bc	cm₀	bc	bc
c	cbcvy	bcc	cbcb
c	cbc	bccm₀	cm₀bc
cbc	bc	bbc	bcb
bcy	bcy	bcbycb	bbcb
cbcy	bcybc	bccbcw	bwbcwc
bcby	by bcy	bcybcb	bbc
cbc	bcbcb	bbc	bcb
bbccbc	cbcjpcbc	bc	bccpr₀
ccpr₀	c	cpr₀bc	bc
bc	bcopr		opr₀bc
bcyby	by bcy	bcyb	bwbcy
bcv	bcycy	cbc	bc
c	c	bccbc	cr₀bc
bc	bc	bc	bc
bc	pr	bc	pr
cbcy	bcy	b	bbc
	b		bc
bc	bc	bc	b
bc	bc	bc	b

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

Districts.	
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light to moderate northeast winds; fine; rather warm by day, but cool at night.
4 W. Midlands	Light northeast to variable wind; fine; rather warm.
5 S.W. England	As 1-3.
6 South Wales	As 4.
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	Wind light, north to northwest, becoming variable; fine; mainly rather warm.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland	Moderate northwest winds, backing westerly; mainly fine; rather cold.
15 N.E. Scotland	Fresh to strong northwest winds, moderating, freshening from southwest; considerable bright periods, today; a few showers; cloudy, some coastal drizzle tomorrow; cool.
16 Orkneys and Shetlands	
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light variable winds; fine; rather warm.

GENERAL INFERENCE

A large anticyclone centred west of Ireland covers the British Isles and will maintain fine weather generally. Conditions will be rather warm by day in most districts.

FURTHER OUTLOOK

Continuing fine in most districts except the extreme North and Northwest of Scotland.

Forecasts issued at 10.30.

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

7h. Saturday 15th May 1943.

LOW

HIGH

1024 1022 1020 1026 1028 1030 1032 1034 1036 1038 1040

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 mbs.

Dew Point °F

Weather in past hour

Low cloud

Past weather

Amount of Low cloud

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

Scale 1 : 5,000,000

Mb

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Saturday, 15th May,

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Saturday 15th May 1943 — No. 29759

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

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	*	*	*	*	*	61	*	*	*	*	*	*	*	*	*
	Croydon ...	290	32·5	+26	N	2	c	62	75	54	7	–	3	–	0	10	–
	S. Farnborough	226	32·5	+16	N'E	2	z_0	60	85	44	6	–	3	–	0	7-8	–
	Boscombe Down	417	33·0	+12	N	2	z_0	56	85	51	6	–	3	–	0	7-8	–
	Thorney Island	10	31·0	+10	N	4	pr	61	85	56	6	2	3	–	4-6	9	1500
	Lympne ..	283	31·0	+10	N'W	4	b	59	85	53	7	–	8	–	0	1	–
	Manston ...	154	31·0	+14	N	3	b	55	85	51	7	–	4	–	0	Tr	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	31·4	+18	N'W	4	c	59	75	52	8	–	3	–	0	9+	–
	Gorleston ...	5	31·5	+14	NNE	2	z_0	54	85	50	6	–	3	–	0	2-3	–
	Mildenhall ...	15	32·8	+14	NNW	3	z_0	58	85	52	6	5	3	–	9	9+	4300
	Cranwell ...	203	33·8	+12	NW'W	3	z_0	52	65	39	6	–	3	1	0	2-3	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	33·9	+18	N'E	3	c	51	85	46	7	5	3	8	2-3	9	7200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	34·0	+6	NE	3	bc	51	92	49	8	–	4	1	0	4-6	–
	Bristol ...	209	34·5	+14	NNE	2	z_0	53	75	45	6	5	–	8	9	9+	2400
	Portland Bill ...	32	31·4	+6	N	4	c	57	85	53	8	5	–	–	10	10	4000
	Plymouth ...	82	33·3	+4	N	1	c-bc	55	92	52	7	5	4	5	1	7-8	4000
	The Lizard ...	240	32·4	+8	NNE	5	bc	52	92	49	8	4	3	–	2-3	4-6	2500
	Scilly (St. Mary's)	163	34·1	+6	N'E	4	b-bc	50	92	47	8	–	–	5	0	2-3	–
	Guernsey ...	175															
6	Pembroke ...	142	33·2	+10	NE'N	3	b-bc	48	92	46	8	1	–	–	2-3	2-3	3000
7	Holyhead (Valley)	32	33·7	+14	–	0	c-bc	50	85	47	8	–	5	–	0	7-8	–
	Chester (Sealand)	16	34·9	+16	–	0	c-bc	49	65	36	6	–	7	6	0	7-8	–
8	Manchester ...	235	34·6	+12	W's	1	m	42	92	40	4	–	3	–	0	1	–
10	Spurn Head ...	29	33·3	+16	NW'W	3	b-bc	51	85	47	7	7	3	1	2-3	2-3	2500
	Catterick (Sc)...	192	33·8	+24	NW	1	c	48	75	41	8	–	3	–	0	9	–
	Tynemouth ...	108	32·6	+14	NW	3	z_0	49	75	40	6	5	–	–	9	9	2500
11	St. Abbs Head	280	30·2	+12	W	4	b-bc	47	75	39	7	5	–	–	2-3	2-3	4000
	Leuchars ...	36	31·0	+16	WSW	2	b	45	75	39	9	5	4	–	1	1	5000
12	Renfrew (Abbotsl.)	19	32·9	+22	WSW	3	b-bc	45	85	40	7	8	–	2	2-3	2-3	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	35·2	+18	NW'N	2	bc	47	97	46	8	5	–	–	4-6	4-6	3000
13A	Tiree	44	32·4	+18	W's	4	bc	46	75	39	8	5	–	–	4-6	4-6	2500
13B	Stornoway ...	15	27·9	+14	WSW	5	c-bc/pr	44	85	39	7	8	–	–	7-8	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	29·8	+18	WSW	1	b	41	85	35	9	–	–	–	0	0	–
	Wick ...	114	26·5	+12	WSW	4	b-bc	42	85	36	9	5	–	–	2-3	2-3	3000
16	Sumburgh ..	19	21·8	+12	WSW	7	c-bc	48	85	44	8	2	–	–	7-8	7-8	2000
17	Blacksod Point	18	36·9	+14	W'N	2	b-bc	46	75	38	8	3	–	–	2-3	2-3	2500
18	Malin Head ...	84	33·9	+14	NW'W	3	bc	47	92	45	8	9	–	–	4-6	4-6	2500
	Aldergrove ...	268	36·1	+18	–	0	b	42	85	38	8	–	–	–	0	0	–
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	37·9	+10	E's	2	b	43	85	39	8	–	–	–	0	0	–
	Roches Point	22	36·6	+10	N	4	b	49	85	45	8	–	4	–	0	1	–

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

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)	35·6	+24	NNE	3	c	56	56	38	7	5	3	–	7-8	9	2500	1	*
	Croydon ...	35·1	+22	N	3	c	55	56	40	6	5	7	–	4-6	9+	3500	0	*
	S. Farnborough	35·5	+22	NNE	2	z_0	55	55	41	6	5	–	–	10	10	5700	0	*
	Boscombe Down	35·7	+22	N'E	3	bc	54	55	40	7	–	5	–	0	4-6	–	0	*
	Thorney Island	34·0	+20	N'E	3	z_0	57	86	51	6	–	4	–	0	Tr	–	0	*
	Lympne ..	33·8	+22	N'W	5	z_0	56	75	46	6	–	–	8	0	7-8	–	0	3
	Manston ...	33·7	+18	N	4	c	55	75	46	8	–	7	7	0	9+	–	0	*
2	Shoeburyness ...	34·5	+24	N'W	3	z_0	56	75	48	6	–	3	–	0	10	–	0	*
	Felixstowe ...	34·6	+22	N'W	4	c	55	65	44	7	5	7	–	2-3	9	3600	0	2
	Gorleston ...	34·5	+18	NNW	3	b-bc	54	85	49	7	–	7	–	0	2-3	–	0	2
	Mildenhall ...	36·0	+30	N'E	3	b-bc	53	75	44	7	–	3	1	0	2-3	–	0	*
	Cranwell ...	36·2	+20	NNW	3	z_0	51	75	44	6	–	4	–	0	Tr	–	0	*
3	Birmingham ...	37·5	+18	NNW	3	z_0	50	75	42	6	–	4	–	0	1	–	1	*
	Upper Heyford	36·0	+16	N	3	z_0	49	75	43	6	–	7	–	0	2-3	–	0	*
4	Ross-on-Wye	37·0	+20	N	3	b	52	65	42	8	–	4	7	0	1	–	1	*
5	Hartland Point	36·1	+24	NE	2	b	53	85	49	8	–	–	1	0	Tr	–	0	3
	Bristol ...	37·0	+20	NNE	3	b	52	75	44	7	–	3	–	0	1	–	1	*
	Portland Bill ...	34·1	+22	NE	4	bc	56	85	52	8	2	–	–	4-6	4-6	4000	1	4
	Plymouth ...	35·1	+18	E	2	b	57	85	51	7	–	–	2	0	1	–	0	N
	The Lizard ...	34·8	+20	NNE	4	bc	54	85	48	8	4	3	–	2-3	4-6	2500	0	3
	Scilly (St. Mary's)	35·1	+14	N'E	5	c	52	92	50	8	5	5	–	7-8	9+	1500	0	4
	Guernsey ...																	
6	Pembroke ...	37·8	+20	NNE	3	b-bc	51	85	46	8	1	–	–	2-3	2-3	3000	0	3
7	Holyhead (Valley)	38·7	+18	N'W	2	b	50	75	42	8	1	4	–	Tr	Tr	3000	1	2
	Chester (Sealand)	38·4	+26	NNW	2	b-bc	51	75	43	8	2	–	–	2-3	2-3	3500	0	*
8	Manchester ...	38·0	+22	NW	2	z_0	47	85	42	6	1	–	–	Tr	Tr	2500	1	*
10	Spurn Head ...	36·1	0	SW	4	b-bc	51	65	47	8	7	3	1	2-3	2-3	4000	0	3
	Catterick (Sc)...	37·0	+14	WNW	4	b	49	65	39	8	1	–	8	Tr	1	3000	0	*
	Tynemouth ...	35·4	+6	W	3	b-bc	48	75	40	7	–	4	–	0	2-3	–	0	2
11	St. Abbs Head	33·1	+20	W	4	bc	47	75	38	7	4	4	–	2-3	4-6	4000	0	3
	Leuchars ...	33·9	+22	WSW	3	b-bc	48	65	36	8	1	4	5	Tr	2-3	4000	0	*
12	Renfrew (Abbotsl.)	35·3	+18	W	3	c-bc	49	75	40	8	8	6	2	4-6	7-8	2000	0	*
	Eskdalemuir ...	36·0	+20	W'S	3	bc	46	75	38	8	1	3	1	4-6	4-6	3500	0	*
	Point of Ayre...	37·9	+18	NW'W	4	b	50	85	45	8	4	–	8	Tr	1	2500	0	3
13A	Tiree	35·9	+28	W	4	b-bc/pr	49	75	41	8	8	4	–	2-3	2-3	2000	1	3
13B	Stornoway ...	31·4	+24	WSW	4	bc	47	75	40	8	8	–	3	2-3	4-6	1800	1	3
15	Dalwhinnie ...	32·0	+18	W	4	bc	41	79	34	8	8	–	–	4-6	4-6	1500	1	*
	Aberdeen † ...	31·4	+16	W	4	bc	53	55	45	8	1	–	9	Tr	4-6	4000	0	2
	Wick ...	28·8	+14	WSW	5	bc	47	65	37	9	3	–	–	4-6	4-6	3000	0	*
16	Sumburgh ..	23·8	+26	NW	6	c/r	46	85	43	8	5	1	8	4-6	9	2000	1	4
17	Blacksod Point	30·4	+18	NW	2	bc	49	75	41	8	5	3	–	2-3	4-6	4000	1	3
18	Malin Head ...	36·4	+18	NW	5	pr	48	85	44	8	8	–	2	2-3	4-6	2500	2	4
	Aldergrove ...	38·7	+18	WSW	3	c-bc	45	85	41	8	5	4	4	Tr	7-8	3500	1	*
19	Birr Castle ...	40·2	+18	S	1	b	45	85	41	8	–	–	–	0	0	–	1	*
20	Valentia Obsy.	39·7	+14	ENE	4	b	49	75	41	8	1	–	–	Tr	Tr	2500	1	3
	Roches Point	39·4	+22	N	3	b	47	85	43	8	–	–	–	0	0	–	1	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 14th Hrs. (38)
1	London (Kew)	80	55	48	–	–	12·1
	Croydon ...	85	54	50	–	–	13·2
	S. Farnborough	82	53	45	–	–	12·7
	Boscombe Down	78	48	44	–	–	12·8
	Thorney Island	71	54	51	–	–	*
	Lympne ..	73	54	49	–	–	14·3
	Manston ...	83	54	51	–	–	14·0
2	Shoeburyness ...	85	52	49	–	–	13
	Felixstowe ...	75	52	50	–	–	12
	Gorleston ...	82	51	47	–	–	13·0
	Mildenhall ...	83	51	49	–	–	14·0
	Cranwell ...	75	46	43	–	–	11·5
3	Birmingham ...	71	47	36	–	–	9·7
	Upper Heyford	76	46	36	–	–	*
4	Ross-on-Wye	72	46	37	–	–	10·4
5	Hartland Point	60	50	47	Tr	–	1·3
	Bristol ...	68	46	36	–	–	10·5
	Portland Bill ...	60	52	*	–	5	*
	Plymouth ...	69	49	37	–	–	9·9
	The Lizard ...	65	50	*	Tr	Tr	8·2
	Scilly (St. Mary's)	61	50	*	–	–	2·5
	Guernsey ...						
6	Pembroke ...	56	46	*	–	–	6·5
7	Holyhead (Valley)	60	44	37	0·2	–	*
	Chester (Sealand)	61	45	35	–	–	3·1
8	Manchester ...	61	41	27	–	–	*
10	Spurn Head ...	71	48	*	–	–	10·7
	Catterick (Sc)...	61	40	29	–	–	4·9
	Tynemouth ...	64	44	40	–	–	*
11	St. Abbs Head	61	43	*	–	–	*
	Leuchars ...	61	41	35	–	–	14·0
12	Renfrew (Abbotsl.)	59	43	35	–	–	12·1
	Eskdalemuir ...	59	40	32	–	–	3·9
	Point of Ayre...	63	46	*	–	–	11·1
13A	Tiree	55	44	40	Tr	0·4	11·5
13B	Stornoway ...	55	42	39	Tr	2	8·2
15	Dalwhinnie ...	53	39	35	Tr	1	9·2
	Aberdeen † ...	64	42	37	–	–	13·8
	Wick ...	61	40	36	0·3	–	*
16	Sumburgh ..	52	45	39	–	3	5·8
17	Blacksod Point	56	48	*	–	–	*
18	Malin Head ...	55	45	*	Tr	0·3	12·7
	Aldergrove ...	60	40	35	–	–	12·0
19	Birr Castle ...	60	33	30	–	–	10·9
20	Valentia Obsy.	55	41	32	–	Tr	10·1
	Roches Point	60	47	*	–	–	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 14th May: $C_L C_M$	ww Vh N_h	DDFWN	18h. G.M.T.: $C_L C_M$	ww Vh N_h	DDFWN	01h. G.M.T. 15th May: $C_L C_M$	ww Vh N_h	DDFWN	07h. G.M.T.: $C_L C_M$	ww Vh N_h	DDFWN
109	10	01853	35713	87	01753	37724	8-	01754	35614	3-	25854	37684
115	54	14854	37626	54	14854	31624				37	21844	35687
203							8-	21847	20587	8-	02845	24425
206	10	02964	35624	10	01953	37513	40	25863	22483	80	01954	20484
210	16	01864	34614	2-	02965	36525	44	25961	22382	73	01964	22414
219	80	01853	22683	86	25854	22485				36	25854	26585
230	8-	02867	33427	80	25956	21387	24	01854	22414	86	21854	00085
245	10	01952	22516	10	10952	22414	40	01951	22111	74	02951	23416
260	10	01864	22414	10	01862	35613	5-	05653	20413	14	01754	20314
276	14	01841	25314	13	01863	30214	00	00890	28216	24	02851	25316
279	10	01953	33414	14	01962	22413	00	00890	28300	24	02852	26315
285	23	01844	24515							20	01744	28514
288	57	02854	20476	87	81951	22325	07	02890	25116	20	01851	22213
576	30	02864	16116	25	01862	26214	50	02852	18202	53	01853	24184
301	5-	02868	24328	04	01890	24224	03	08490	23122	24	01851	28302
321	26	05664	28324	53	05684	28326	00	05690	24214	00	05590	30210
2.2	54	01753	24214	53	02754	24315	53	01753	32313	00	00790	28200
292	24	02856	24327	57	02963	23226	05	02790	28125	04	01890	25111
310												
614	2-	01764	24214	20	05664	28315	00	05690	28124	00	05690	31200

III	13h. G.M.T. 14th May: $C_L C_M$	ww Vh N_h	DDFWN	18h. G.M.T.: $C_L C_M$	ww Vh N_h	DDFWN	01h. G.M.T. 15th May: $C_L C_M$	ww Vh N_h	DDFWN	07h. G.M.T.: $C_L C_M$	ww Vh N_h	DDFWN
333	57	02745	28327	20	01951	30214	05	02890	02217	18	01851	31301
334	--	02646	26257							--	02644	18215
340				54	05655	32325	04	01790	00013	1-	01765	30315
136	00	00790	22200	00	00790	28300	5-	02767	26317	03	01890	32312
336	57	02756	20818	53	02784	28316				10	01762	04312
350	00	00890	22210	28	01861	22214	5-	05566	28226	03	05690	?3221
368	5-	02757	28427	30	01952	28314	53	02741	00013	03	01690	02112
379	00	00890	20201	10	05753	26104	50	05661	32314			
390	10	05662	18302	23	01761	28314	07	05590	32127	5-	05676	32316
382	07	01890	23211				53	05674	31325			
438	00	00790	22200	04	01762	26212	54	01763	32447	57	05653	32615
430	00	00890	17300	03	01890	17214	53	02773	04426	03	05590	02323
409	5-	02847	27237	5-	02608	32228	03	01790	02325	08	01790	02411

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 15th May
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 ...	bzgwbw	bbccy	cy	Kew 24 hours ended 7h Max. 0·2 5-6h 15th Min. Time 0·1 7-22h 14th
Croydon ...	bby	bybcy	cycbcc	
Greenwich ...	by	bcy	cby	
Camden Square	b	b	*	
Kensington ...	b	bbc	bc	
Hampstead ...	b	b		

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h %	Humidity 9h % Today
Kew ...	80	55	48	–	–	11·5	*	*
Croydon ...	85	54	50	–	–	13·2	*	*
Greenwich ...	85	53	42	–	–	13·0	32	47
Westminster ...	84	52	49	–	–		41	51
Regents Park ...								
Camden Square	85	54	49	–	–	*	*	59
Kensington ...	83	54	47	–	–		45	62
Hampstead ...	82	51	45	–	–		*	66

SECRET

Page 1

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

Sunday 16th May 1943. No. 29760

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	°/o Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	36·6	0	NE'N	3	b	64	45	40	8				Tr	Tr	4000
	Croydon ...	36·4	0	NNE	3	b	66	45	44	8				1	1	3000
	S. Farnborough	36·5	+2	NNE	3	b	65	48	41	8				0	0	–
	Boscombe Down	36·6	0	NNE	3	b	65	38	39	8				0	0	–
	Thorney Island	35·5	+2	N'W		b	67	45	45	8				0	0	–
	Lympne ...	36·2	+8	N	5	b	61	58	42	8				0	0	–
	Manston ...	36·4	+6	NE'N	4	b	59	55	44	8				0	0	–
2	Shoeburyness ...	36·9	+4	ENE	4	b	61	65	47	8	1	–	–	Tr	Tr	4000
	Felixstowe ...	36·8	+6	NE	5	b-bc	59	68	46	8	1	–	–	2-3	2-3	2700
	Gorleston ...	36·5	+24	N	4	b	54	65	40	7	–	–	–	0	0	–
	Mildenhall ...	37·7	+6	NE'N	3	b	61	85	58	8	1	–	–	Tr	Tr	4000
	Cranwell ...	37·2	–4	N'W	2	b	62	45	39	6	1	–	–	Tr	Tr	3000
3	Birmingham ...	37·8	0	NW	3	b	59	55	43	8	–	–	–	0	0	–
	Upper Heyford	37·0	0	NE'N	3	b	63	48	39	7	4	–	–	1	1	4000
4	Ross-on-Wye	37·8	0	N	3	b	60	45	40	8	–	–	–	0	0	–
5	Hartland Point	37·8	+4	NNE	3	b	55	85	80	8	–	4	–	0	Tr	–
	Bristol ...	37·5	+4	NNE	3	b	63	55	47	8	1	–	–	Tr	Tr	4000
	Portland Bill ...	36·0	+2	NE	4	bc	66	85	63	8	2	–	–	4-6	4-6	4000
	Plymouth ...	36·2	–2	ENE	3	b	67	55	51	9	–	–	1	0	Ir	–
	The Lizard ...	36·1	+4	ENE	3	bc	64	65	53	8	1	3	–	2-3	4-6	3500
	Scilly (St. Mary's)	37·4	+6	N'E	5	b-bc	57	75	50	8	–	–	5	0	2-3	–
	Guernsey ...															
6	Pembroke ...	39·7	+12	N	4	b	58	45	34	8	1	–	–	1	1	3000
7	Holyhead (Valley)	40·5	+6	NNW	3	b	55	65	42	9	1	–	–	Tr	Tr	4000
	Chester (Sealand)	39·8	+6	NW	3	b-bc	55	55	40	8	1	–	–	2-3	2-3	3000
8	Manchester ...	38·9	0	NW	4	b-bc	57	55	40	8	1	–	–	2-3	2-3	3000
10	Spurn Head ...	37·8	+4	ENE	2	b-bc	55	85	58	7	1	–	–	2-3	2-3	4000
	Catterick (Sc) ...	37·6	+2	WNW	4	bc	58	55	40	8	8	6	–	2-3	4-6	3000
	Tynemouth ...	37·0	+8	NNW	4	c-bc	56	48	32	7	2	3	–	4-6	7-8	2600
11	St. Abbs Head	36·8	+24	NNW	4	b-bc	52	65	41	7	1	–	–	2-3	2-3	4000
	Leuchars ...	35·8	+10	W	4	bc	60	48	36	9	1	4	–	4-6	4-6	3500
12	Renfrew (Abbotsl.)	37·7	+8	W	4	bc	58	48	39	9	1	–	–	4-6	4-6	3500
	Eskdalemuir ...	36·7	0	W	4	bc	54	48	32	8	7	–	–	4-6	4-6	2500
	Point of Ayre ...	40·3	+10	NNW	3	b	55	75	48	8	1	4	–	Tr	1	3000
13A	Tiree	38·9	+18	W	3	b-bc	53	65	41	9	1	–	–	2-3	2-3	2500
13B	Stornoway ...	36·0	+18	WSW	5	c-bc	52	65	42	8	8	–	–	7-8	7-8	2500
15	Dalwhinnie ...	37·0	+20	NW	3	c	47	75	38	8	4	–	–	9	9	2500
	Aberdeen ...	34·7	+16	NW	4	bc	57	48	34	9	1	–	–	4-6	4-6	5000
	Wick ...	33·9	+22	NNW	5	bc	54	65	41	9	8	–	–	4-6	4-6	2500
16	Sumburgh ...	30·0	+32	NNW	6	bc	49	75	41	8	5	–	–	4-6	4-6	2500
17	Blacksod Point	41·2	+6	W&W	2	b-bc	54	65	43	8	2	–	–	2-3	2-3	4000
18	Malin Head ...	39·5	+14	WN	3	b-bc	52	75	44	8	8	–	–	2-3	2-3	2500
	Aldergrove ...	40·3	+10	W	1	c-bc	55	55	37	9	5	7	–	9	9+	3500
19	Birr Castle ...	40·6	+2	N	1	bc	61	55	45	8	2	–	–	4-6	4-6	1500
20	Valentia Obsy.	40·3	+2	WSW	3	b	59	55	43	9	1	–	–	Tr	Tr	4000
	Roches Point	40·8	+2	ESE	3	b	54	75	46	8	1	–	–	1	1	4000

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

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)	°/o 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	36·9	+6	NNE	3	b	64	25	28	8	–	–	–	0	0	–	1	*
	36·8	+6	NE'E	3	b	61	55	46	8	1	–	–	Tr	Tr	3500	0	*
	36·6	+6	NNE	3	b	65	25	32	8	–	–	–	0	0	–	0	*
	36·4	+2	N'E	3	b	63	45	40	7	–	–	–	0	0	–	0	*
	36·2	+6	SSE	3	b	59	75	49	8	–	–	–	0	0	–	0	*
	37·5	+10	NNE	4	b	55	45	33	9	–	–	–	0	0	–	0	§5
	37·5	+10	NE'E	4	b	53	55	38	8	–	–	1	0	Tr	–	0	*
2	37·4	+12	ENE	5	b	54	65	41	8	–	–	–	0	0	–	0	*
	37·6	+6	NE	5	b	53	75	45	8	–	–	–	0	0	–	0	3
	38·1	+10	N	4	b	53	65	41	7	–	–	–	0	0	–	0	4
	38·1	+8	NE'E	4	b	57	45	38	8	–	–	–	0	0	–	0	*
	38·4	+10	E	4	b-bc	56	55	41	8	4	–	–	2-3	2-3	4000	0	*
3	38·4	+2	N	3	b	57	45	36	8	–	–	–	0	0	–	1	*
	37·0	–4	N	3	b	60	45	40	7	–	–	–	0	0	–	0	*
4	38·2	+6	N	3	b	58	35	25	8	–	–	–	0	0	–	0	*
5	37·5	–2	N	3	b	55	75	48	8	–	–	–	0	0	–	0	3
	37·4	+2	NE'N	3	b	61	35	34	8	–	–	–	0	0	–	1	*
	35·5	–2	NE	3	b-bc	62	85	59	8	1	–	–	2-3	2-3	4000	1	3
	36·3	+2	ENE	3	b	66	45	41	9	–	–	–	0	0	–	0	
	35·5	+2	–	0	b	62	65	49	8	–	–	–	0	0	–	0	2
	37·1	0	N'E	5	b	54	75	46	8	–	–	–	0	0	–	0	4
6	39·2	–4	N	4	b-bc	55	45	36	8	–	–	8	0	2-3	–	0	2
7	40·5	0	NNW	1	b	53	65	42	9	–	–	–	0	0	–	0	1
	40·1	+2	WNW	2	b	53	65	41	8	1	–	–	Tr	Tr	2500	0	*
8	39·1	–2	WNW	3	b	55	55	40	8	1	–	–	Tr	Tr	4000	0	*
10	38·6	0	E'N	3	b	53	65	41	7	–	–	–	0	0	–	0	2
	37·9	+2	NW	2	bc	59	45	40	8	7	–	4	4-6	4-6	6000	0	*
	38·5	+1	S	3	bc	52	55	38	7	2	–	–	4-6	4-6	2600	0	2
11	35·8	+2	WNW	3	bc	56	45	35	8	1	4	–	4-6	4-6	3500	0	3
	36·8	+8	WNW	2	c	60	35	30	9	1	1	6	4-6	9	4000	0	*
12	39·0	+10	W'N	4	c-bc	55	55	36	8	4	–	6	4-6	7-8	3000	0	*
	38·5	+12	NW	3	c-bc	52	65	35	8	1	–	2	2-3	7-8	3500	0	*
	40·1	0	NW	3	b	55	75	47	8	–	–	4	0	Tr	–	0	1
13A	39·6	+4	W'S	2	c	51	75	42	8	1	–	7	Tr	9	2500	0	3
13B	37·4	+6	WSW	4	c	52	65	41	8	8	7	–	4-6	10	2000		3
15	36·5	+4	W	3	c	48	65	36	8	8	–	7	2-3	9+	2500	0	*
	36·2	+6	NW'N	3	b-bc	58	35	24	9	1	–	4	1	2-3	5000	0	2
	33·4	+14	WNW	5	b-bc	51	65	37	9	1	3	–	1	2-3	2500	0	*
16	33·5	+18	NW	5	bc	48	75	41	8	5	–	–	4-6	4-6	2500	0	4
17	40·7	–2	WSW	3	bc	53	65	42	8	5	–	–	2-3	4-6	4000	0	3
18	40·0	+2	WNW	2	bc	51	75	44	8	8	–	6	2-3	4-6	2500	2	2
	40·1	0	W'N	1	bc	57	55	43	9	2	–	5	2-3	4-6	4000	0	*
19	39·9	–4	WNW	1	b-bc	62	45	41	8	1	–	–	2-3	2-3	2500	0	*
20	40·2	–2	WNW	2	b	56	65	44	9	1	–	–	Tr	Tr	4000	1	2
	40·3	–6	SE	3	b	53	75	45	8	1	–	–	Tr	Tr	4000	1	3

PAST 24 HOURS.

District	Weather. 7h.–13h. 15th. (39)	Weather. 13h.–18h. 15th. (40)	Weather. 18h. 15th. to 1h. 16th. (41)	Weather. 1h.–7h. 16th. (42)
1	cbcbcy	by	byb	bbzow
	bcybcy	by	b	bwb
	cmbbcby	by	bybbmow	bbcbmymomo
	bcybcy	by	bybb	bbmo
	by	by	bbmo	bcbw
	bcby	by	bybbmow	bw
	cby	by	byb	b
2	czobc	bcb	b	b
	bcybc	bcb	b	b
	b	b	b	bbcw
	bcyby	byvby	byb	bbmobc
	bzoby	bcobcy	bybmow	bmowb
3	bcb	by	b	bm
	bzoyby	by	byb	bbmo
4	b	bybby	byb	bw
5	c	b	b	b
	bwb	by	bybbbzow	bmxbmow
	bc	bcbc	b	bc
	bby	by	bbc	bcbbc
	bc	bcb	bc	babw
	cbc	bcb	o	b
6	bcby	by	b	bc
7	b	bby	bw	bbcw
	bc, b, bc	bc, by	bbmo	bcmo
8	bmozobcy	by	byzobbcm	bffcmw
10	bc	b	b	c
	cbccy	bcy	bbcc	bc
	bccbc	bc	bbc	bccmo
11	bcbbc	bc	bcbbc	bccro
	bbcy	bcy	bcycybc	bccirc
12	cprobcby	bcy	bcycw	cwc
	bcy	bcy	bcyb	bbcc
	b	b	bw	bbcc
13A	bc	bcc	ccrbc	circc
13B	bcprobc	cyc	circrbc	ccirc
15	bcc			cprc
	bbcy	bybcy	bcyc	ccrbc
	cbc	bcyb	c	circc
	cbc	cbc	c	ccirc
16	bc	bc	b	bc
17	bc	bc	bc	bc
18	bcwbcc	ccybcy	bcybccw	cbccw
19	bc	bc		
20	b	b	b	b
	b	b	b	b

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Light variable winds, finally west to northwest; mainly fine; rather warm by day.
7 North Wales 8 N.W. England	Light winds becoming northwest, light to moderate; fine today, more cloud tomorrow with chance of a few slight showers; rather warm, then somewhat cooler.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light west to northwest winds, freshening locally tomorrow; fine to fair; becoming slightly cooler tomorrow
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland	Moderate to fresh southwest winds, veering West to Northwest; mainly cloudy; some occasional light rain or showers; brighter intervals tomorrow; becoming colder again.
15 N.E. Scotland	Fresh to strong southwest winds veering west to
16 Orkneys and Shetlands	Northwest: dull with some rain at first, then brighter periods with some showers; becoming colder again.
17 N.W. Ireland 18 N.E. Ireland	As 7-8
19 S.E. Ireland 20 S.W. Ireland	As 1-6.

GENERAL INFERENCE

A belt of very high pressure covering England and Wales extends westward over the Atlantic, whilst a feeble trough of relatively lower pressure will cross Scotland. Over most of England, Wales and Ireland the fine weather will continue but there will be a little rain in parts of Scotland.

FURTHER OUTLOOK

Continuing fair in many areas.

Forecasts issued at 10·30

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

7h. Sunday, 16th May 1943 1943.

Low

1022 1024 1026 1028 1030 1032 1034 1036 1038 1040 1042 1038 1038

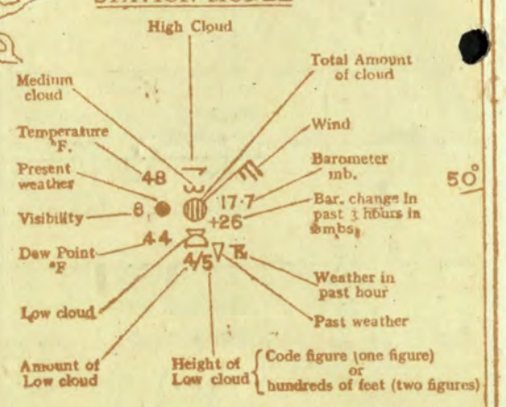
H

10° 5°W. 0° 5°E. 10°

60° 55° 50°

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

STATION MODEL



5°E. Scale 1 : 5,000,000

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Sunday 16th May,

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS:— ◯ Clear sky. ◔ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. • Rain falling. ✱ Snow. ⁂ Sleet. △ Hail. ≡ Fog. = Mist. ⟡ Thunder. (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 two hours to get double summer time.

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

Sunday 16th May 1943 — No. 29760

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

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	*	*	*	*	*	54									
	Croydon ...	290	39·7	+2	NNE	1	b	45	92	43	7	–	–	–	0	0	–
	S. Farnborough	226	29·8	+6	–	0	z_0	46	85	42	6	–	–	1	0	Tr	–
	Boscombe Down	417	39·5	+12	E'S	1	b	46	85	42	7	–	–	–	0	0	–
	Thorney Island	10	38·9	+6	N'E	2	z_0	44	85	41	6	–	–	–	0	0	–
	Lympne ...	283	38·9	-2	N	2	z_0	43	92	40	6	–	–	–	0	0	–
	Manston ...	154	39·0	+14	NE'N	3	b	46	85	41	8	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	39·3	+2	N	3	b	44	85	39	8	–	–	–	0	0	–
	Gorleston ...	5	38·6	+4	N'W	2	b	46	85	42	7	–	–	–	0	0	–
	Mildenhall ...	15	39·9	0	N	1	b	38	92	36	8	–	–	–	0	0	–
	Cranwell ...	203	40·4	+2	W'N	2	z_0	41	85	38	6	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	39·9	+10	ENE	1	b	44	85	39	7	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	38·3	-2	E	3	b	52	85	48	8	–	–	–	0	0	–
	Bristol ...	209	40·5	+6	N	1	z_0	44	85	40	6	–	–	–	0	0	–
	Portland Bill ...	32	38·6	+8	NE	3	b	53	85	49	8	–	–	–	0	0	–
	Plymouth ...	82	38·1	+4	ENE	3	b-bc	51	75	42	8	–	–	2	0	2-3	–
	The Lizard ...	240	37·3	+6	NNE	6	b-bc	52	75	46	8	4	–	–	2-3	2-3	3000
	Scilly (St.Mary's)	163	37·9	-2	NE'N	5	b	51	92	49	7	–	–	–	0	0	–
	Guernsey ...	175															
6	Pembroke ...	142	39·8	0	NE'N	3	b	47	85	42	8	1	–	–	1	1	4000
7	Holyhead (Valley)	32	41·3	0	–	0	b	43	85	38	8	–	–	–	0	0	–
	Chester (Sealand)	16	40·5	-2	–	0	z_0	42	85	39	6	–	–	–	0	0	–
8	Manchester ...	235	40·7	0	–	0	m	42	92	41	4	–	–	–	0	0	–
10	Spurn Head ...	29	40·1	+12	WSW	2	b	49	75	40	7	–	–	–	0	0	–
	Catterick (Sc) ...	192	40·5	+6	W	1	c-bc	42	85	39	8	–	–	6	0	7-8	–
	Tynemouth ...	108	38·5	-2	NNW	3	b-bc	47	65	35	7	2	4	–	2-3	2-3	2500
11	St. Abbs Head	280	37·4	+6	WNW	3	b-bc	48	65	36	7	4	–	–	2-3	2-3	4000
	Leuchars ...	36	38·8	-8	–	0	bc	45	75	39	8	5	7	–	2-3	4-6	3000
12	Renfrew (Abbotsl.)	19	39·7	-2	WSW	1	c	46	85	42	7	5	7	7	2-3	10	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	40·9	+6	W	3	b	41	92	40	8	–	–	5	0	Tr	–
13A	Tiree	44	39·3	0	SW'W	2	r_0r_0	48	85	44	8	5	7	–	9	10	2500
13B	Stornoway ...	15	35·8	-14	SSW	4	r_0r_0	46	85	43	7	5	–	–	10	10	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	38·7	0	–	0	c	42	85	39	9	–	7	7	0	10	–
	Wick ...	114	36·4	-4	WSW	2	c	45	85	39	8	5	1	3	4-6	9+	2000
16	Sumburgh ..	19	34·5	-2	WSW	4	c-bc	47	92	44	9	5	3	6	2-3	7-8	2500
17	Blacksod Point	18	40·7	-2	–	0	b	42	92	40	8	5	–	–	Tr	Tr	4000
18	Malin Head ...	84	39·9	-4	SSW	2	c-bc	44	85	40	8	5	–	4	4-6	7-8	2500
	Aldergrove ...	268	41·0	-2	NE	1	c-bc	40	92	38	7	5	–	8	Tr	7-8	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	41·0	+2	ENE	2	b	43	92	41	8	–	–	–	0	0	–
	Roches Point	22	41·4	+4	NE	2	b	43	87	42	8	–	–	–	0	0	–

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

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)	41·5	+10	NE'E	2	z_0	51	65	39	6	–	–	1	0	1	–	0	*
	Croydon ...	41·4	+14	NE	1	b	49	75	42	7	–	–	1	0	Tr	–	0	*
	S. Farnborough	41·6	+16	NE'E	2	z_0	48	75	41	6	–	4	8	0	2-3	–	0	*
	Boscombe Down	40·8	+10	–	0	b	48	75	41	7	–	–	1	0	Tr	–	0	*
	Thorney Island	40·3	+10	NE	3	b	50	75	42	7	–	–	1	0	Tr	–	0	*
	Lympne ...	40·7	+12	NNE	2	b	50	75	44	8	–	–	5	0	Tr	–	0	4
	Manston ...	40·3	+6	NE'E	3	b	51	75	42	8	1	–	–	Tr	Tr	2500	1	*
2	Shoeburyness ...	41·5	+14	N	2	b	51	75	45	7	–	–	1	0	Tr	–	0	*
	Felixstowe ...	41·1	+14	N'E	2	b-bc	50	85	46	8	–	–	1	0	2-3	–	0	1
	Gorleston ...	41·1	+14	NW'N	2	b-bc	46	85	42	7	–	–	5	0	2-3	–	0	2
	Mildenhall ...	41·7	+14	NE	1	bc	47	75	40	7	–	–	2	0	4-6	–	0	*
	Cranwell ...	41·5	+10	SE	1	b-bc	49	75	42	7	–	–	2	0	2-3	–	0	*
3	Birmingham ...	41·2	+2	–	0	bf	47	85	43	3	–	–	–	0	0	–	1	*
	Upper Heyford	40·9	+10	NNE	1	z_0	49	75	40	6	–	–	6	0	4-6	–	0	*
4	Ross-on-Wye	41·3	+6	W	1	b	46	75	40	7	–	–	1	0	Tr	–	0	*
5	Hartland Point	40·0	+20	E	4	b	51	85	46	7	–	–	–	0	0	–	0	3
	Bristol ...	41·6	+10	–	0	z_0	47	85	42	5	–	–	1	0	Tr	–	1	*
	Portland Bill ...	40·1	+14	NE	2	bc	51	75	42	8	5	–	–	4-6	4-6	4000	1	3
	Plymouth ...	39·9	+10	ENE	2	b	53	75	45	8	–	–	–	0	0	–	0	1
	The Lizard ...	39·9	+20	E	4	b	52	85	48	6	–	–	–	0	0	–	0	3
	Scilly (St.Mary's)	39·4	+14	E'N	4	b	52	85	48	8	–	–	–	0	0	–	0	3
	Guernsey ...																	
6	Pembroke ...	41·0	+12	NE'E	2	b-bc	48	75	41	8	–	4	1	0	2-3	–	0	1
7	Holyhead (Valley)	41·7	+10	NNE	1	c-bc	50	85	44	8	–	–	6	0	7-8	–	0	1
	Chester (Sealand)	41·7	+12	S'W	1	c-bc	45	85	41	6	–	–	6	0	7-8	–	1	*
8	Manchester ...	41·7	+10	–	0	m	44	92	43	4	–	–	2	0	7-8	–	1	*
10	Spurn Head ...	40·2	+10	W'S	2	c-bc	51	75	41	7	7	3	1	4-6	7-8	2500	0	2
	Catterick (Sc) ...	41·1	+8	WNW	1	c	47	75	39	8	–	7	7	0	9+	–	0	*
	Tynemouth ...	40·1	+10	W	4	c-bc	48	75	39	7	5	–	–	7-8	7-8	2800	0	2
11	St. Abbs Head	38·0	+6	W	3	r_0	47	75	40	7	5	–	–	9+	9+	2500	1	3
	Leuchars ...	38·9	+6	W	2	c	47	75	41	7	–	7	–	0	9+	–	0	*
12	Renfrew (Abbotsl.)	40·0	+6	SW'W	2	c	49	85	44	7	5	7	–	2-3	9+	3500	0	*
	Eskdalemuir ...	40·7	+12	SW	2	c	44	75	38	8	5	7	–	4-6	10	1900	0	*
	Point of Ayre ...	41·0	+12	W'S	1	c	44	92	42	8	–	3	–	0	9+	–	0	1
13A	Tiree	39·6	+10	SW'W	4	r_0	48	92	47	8	5	7	–	4-6	10	3500	1	3
13B	Stornoway ...	39·9	-8	SW	5	id	49	85	46	7	5	–	–	10	10	1500	1	3
15	Dalwhinnie ...	38·0	0	SW	3	a	45	75	37	8	5	–	–	10	10	2500	0	*
	Aberdeen † ...	37·6	-2	SW	1	c	49	65	39	8	–	7	–	0	9+	–	0	1
	Wick ...	34·9	-2	SW	4	r_0	46	85	42	9	–	7	–	0	10	–	0	*
16	Sumburgh ..	32·7	-6	SW's	6	r_0	47	92	45	8	5	7	–	4-6	10	1500	1	3
17	Blacksod Point	40·9	+2	SW'W	2	c	52	75	44	8	5	3	–	2-3	9	4000	0	2
18	Malin Head ...	39·6	+4	SSW	2	c-bc	49	85	45	8	5	–	1	4-6	7-8	2500	1	2
	Aldergrove ...	41·0	+4	–	0	z_0	47	92	44	6	5	7	1	Tr	9+	2500	1	*
19	Birr Castle ...	41·2	+6	WSW	1	b-bc	49	75	41	8	–	–	5	0	2-3	–	0	*
20	Valentia Obsy.	41·2	+6	–	0	b	47	85	43	9	–	–	–	0	0	–	1	1
	Roches Point	41·3	+6	NE	2	b	46	92	44	8	–	–	–	0	0	–	1	2

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 15th Hrs. (38)
1	London (Kew)	65	45	28	–	–	10·9
	Croydon ...	67	40	32	–	–	10·8
	S. Farnborough	68	40	29	–	Tr	11·5
	Boscombe Down	67	39	38	–	–	13·3
	Thorney Island	69	41	33	–	–	*
	Lympne ...	61	33		–	–	13·3
	Manston ...	59	44	39	–	–	11·8
2	Shoeburyness ...	64	40	40	–	–	9·9
	Felixstowe ...	63	54	35	–	–	12·3
	Gorleston ...	57	43	34	–	–	12·6
	Mildenhall ...	63	33	28	–	Tr	13·2
	Cranwell ...	63	37	29	–	–	13·7
3	Birmingham ...	60	41	29	–	–	13·5
	Upper Heyford	64	40	29	–	–	*
4	Ross-on-Wye	63	38	30	–	–	14·1
5	Hartland Point	58	48	45	–	–	13·5
	Bristol ...	64	39	29	–	Tr	13·8
	Portland Bill ...	67	46		–	–	*
	Plymouth ...	63	46	33	–	–	13·9
	The Lizard ...	65	49	*	–	–	14·4
	Scilly (St.Mary's)	57	49	*	–	–	8·8
	Guernsey ...						
6	Pembroke ...	59	44		–	–	13·7
7	Holyhead (Valley)	61	39	32	–	–	10·4
	Chester (Sealand)	56	38	29	–	–	*
8	Manchester ...	58	37	30	–	–	14·0
10	Spurn Head ...	57	47		–	–	*
	Catterick (Sc) ...	61	39	32	–	–	14·1
	Tynemouth ...	58	45	41	–	–	10·4
11	St. Abbs Head	57	45		–	Tr	*
	Leuchars ...	62	44	36	–	Tr	12·8
12	Renfrew (Abbotsl.)	58	56	35	Tr	–	12·2
	Eskdalemuir ...	57	35	30	–	–	9·6
	Point of Ayre ...	57	40	*	–	–	14·2
13A	Tiree	54	47	46	–	0·2	12·0
13B	Stornoway ...	55	45	44	Tr	2	9·5
15	Dalwhinnie ...	54	41	39	0·2	0·1	6·7
	Aberdeen † ...	59	41	35	–	Tr	14·2
	Wick ...	54	42	38	–	Tr	*
16	Sumburgh ..	49	46	37	0·1	0·1	5·2
17	Blacksod Point	55	40	*	–	–	*
18	Malin Head ...	54	43		–	–	10·7
	Aldergrove ...	58	39	34	–	–	10·6
19	Birr Castle ...	62	38	35	–	–	13·5
20	Valentia Obsy.	60	39	32	–	Tr	14·6
	Roches Point	55	43	*	–	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 15th May ... 18h. G.M.T. — 01h. G.M.T. 16th May ... 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	25855	59685	83	01854	60584	51	02754	20324	52	02646	18458
115	52	14854	35685				52	02735	20568			
203												
206	10	25964	26484	40	02954	57485	52	61857	22268	5-	02858	20228
210	86	01964	27415	10	01862	28313	52	61863	20218	57	02863	20368
219	20	01864	22414	51	02963	20427	57	62744	18468	5-	52528	20568
230	80	01865	26128	2-	02963	26227	52	02864	22128	52	02857	21368
245	10	01955	31315	40	01963	04213	00	02990	26115	59	02951	23317
260	20	01864	24424	10	01862	24413	03	05690	24214	07	02767	24227
278	24	01845	27313	41	01861	29413	00	02890	00005	07	02790	14117
279	**	02965	22425	43	02963	28215	54	02861	18216	07	02890	20227
285	10	01854	28514									
288	16	01854	26314	46	02764	06215	04	01790	00014	03	02890	18117
575	10	01864	26314	14	01862	30213	04	02890	00013	03	01890	00014
301	10	01851	28311	03	01890	29301	00	00890	30160	00	05590	12145
321	10	01763	29413	70	01864	04214	00	01790	16102	00	08490	24126
2.9	04	01790	28314	10	01762	06212	50	00761	24101	04	05690	24214
292	13	01964	28314	10	01963	28213	03	05690	09115	07	09890	28128
310												
614	00	05690	28200	40	00762	30202	00	05690	00000	00	05590	26113

13h. G.M.T. 15th May ... 18h. G.M.T. — 01h. G.M.T. 16th May ... 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	10	01961	29401	00	00990	30300	04	02890	30101	00	01990	29103
334	--	01871	12302									
340	10	01862	30312	00	00990	32300	04	01790	00003	00	05690	00003
136	03	01890	04211	00	00890	04300	00	00790	06100	00	01890	24105
336	00	00790	04300	00	00790	04300						
350	10	01851	32311	00	05690	02300	04	01790	00001			
368	10	01863	04313	00	00790	06300	00	00790	02100	00	01690	08202
379				00	05690	31300	00	05690	04200	00	00790	01100
390	10	00862	30412	00	00890	30200	00	05690	00000	00	05690	02213
382	10	01861	07311	00	00790	02300	00	05690	00016	03	05690	00014
438	00	00790	04500	00	00790	06500	00	00790	32500	54	01763	02513
430	00	00890	04200	00	00790	15200	00	00790	04300	04	01790	04213
409	00	01790	03501	00	00990	03400	00	00890	06200	00	00890	11400

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 16th May
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 ...	cbcby	by	bybzw
Croydon ...	ocyby	by	bwb
Greenwich ...	by	by	by
Camden Square	b	b	*
Kensington ...	bc	bcb	bc
Hampstead ...	b	bc	*

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h 16th: Max. 0·2 15h; Min. <0·1 10-21h 15th

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 ...	65	45	28	–	–	10·9	*	*
Croydon ...	67	40	32	–	–	10·8	*	*
Greenwich ...	67	43	29	–	–	11·1	42	54
Westminster ...	68	47	41	–			38	58
Regents Park ...								
Camden Square	69	44	43	–	–	*	*	55
Kensington ...	69	45	43	–	–		45	56
Hampstead ...	64	42	35	–	–		*	49

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

SECRET Monday, 17th May 1943

No. 2976

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

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)	40·4	-10	E	3	bc	61	35	37	8	-	-	4	0	4-6	-
	Croydon ...	40·8	- 6	NE	2	bc	62	45	38	8	1	-	6	Tr	4-6	3000
	S. Farnborough	40·3	-10	NE'N	3	b-bc	64	35	39	8	1	-	4	Tr	2-3	2500
	Boscombe Down	40·2	- 6	E'S	2	b-bc	63	45	40	8	-	-	2	0	2-3	-
	Thorney Island	40·2	- 6	S'E	4	bc	60	65	49	8	1	-	9	Tr	4-6	4000
	Lympne ...	40·8	-4	NNE	3	c-bc	56	45	36	8	1	-	9	Tr	7-8	3000
	Manston ...	40·9	- 2	NNE	3	c-bc	56	65	41	9	1	-	4	Tr	7-8	2500
2	Shoeburyness ...	41·3	- 6	ENE	3	bc	57	85	41	8	1	-	9	Tr	4-6	4000
	Felixstowe ...	41·6	- 2	ENE	4	bc	68	55	40	8	-	-	5	0	4-6	-
	Gorleston ...	41·4	0	NNE	2	b-bc	55	65	42	8	1	-	1	1	2-3	3000
	Mildenhall ...	40·8	-10	-	0	bc	64	45	40	8	1	-	2	Tr	4-6	4000
	Cranwell ...	41·3	- 2	WSW	1	b	64	45	43	8	1	-	1	Tr	1	3000
3	Birmingham ...	40·2	- 2	SW	2	b	62	45	41	8	1	-	-	1	1	4000
	Upper Heyford	40·3	-10	NE'E	1	bc	62	45	41	8	1	-	2	Tr	4-6	4000
4	Ross-on-Wye	40·2	- 8	NNW	2	b	62	55	43	8	1	-	1	Tr	Tr	4000
5	Hartland Point	40·1	- 6	NE	2	b	55	85	49	7	-	-	-	0	0	-
	Bristol ...	40·4	-10	E	1	b-bc	63	55	45	8	-	-	2	0	2-3	-
	Portland Bill ...	40·8	0	E	3	bc	55	75	49	8	2	-	-	4-6	4-6	4000
	Plymouth ...	40·2	+2	E'S	3	b	62	65	50	9	-	-	-	0	0	-
	The Lizard ...	39·5	0	E	5	b	57	75	47	8	-	-	-	0	0	-
	Scilly (St.Mary's)	39·8	+2	E'N	4	b-bc	61	65	50	8	5	-	-	2-3	2-3	1500
	Guernsey ...															
6	Pembroke ...	41·2	-4	W'N	1	b	54	75	47	7	-	7	-	0	1	-
7	Holyhead (Valley)	40·7	- 6	NNW	3	b-bc	59	45	40	8	-	-	2	0	2-3	-
	Chester (Sealand)	40·7	-14	NW	1	bc	62	55	44	8	1	-	8	Tr	4-6	4000
8	Manchester ...	40·7	-6	SSW	2	b-bc	63	45	41	7	-	3	1	0	2-3	-
10	Spurn Head ...	40·8	-6	ENE	3	c	58	65	45	7	7	3	-	4-6	9+	2500
	Catterick (Sc) ...	40·1	-10	SW	1	c-bc	61	45	41	8	1	9	-	Tr	7-8	2500
	Tynemouth ...	39·5	- 6	W	3	c-bc	58	55	40	7	5	-	-	7-8	7-8	2800
11	St. Abbs Head	37·4	- 6	WNW	3	c	53	65	43	7	5	2	-	7-8	9+	2500
	Leuchars ...	37·8	- 8	W	4	c	57	55	42	8	5	4	-	1	9	4000
12	Renfrew (Abbots I.)	39·3	-4	W'S	3	c	58	65	44	9	7	7	6	7-8	9+	2000
	Eskdalemuir ...	38·5	-16	WSW	4	bc	53	55	40	8	1	7	1	2-3	4-6	2500
	Point of Ayre ...	40·8	0	NW	4	b	61	65	50	8	-	4	1	0	1	-
13A	Tiree	39·1	+2	WSW	4	do	51	92	49	6	5	-	-	10	10	500
13B	Stornoway ...	34·3	+4	WSW	6	do	54	92	51	7	5	2	-	9	9+	1200
15	Dalwhinnie ...	37·5	0	WSW	4	c	49	75	44	7	5	-	2	7-8	9+	1500
	Aberdeen ...	35·5	-12	WNW	1	c	61	45	40	8	5	7	2	4-6	9+	5700
	Wick ...	33·9	- 2	WSW	4	c	55	75	46	9	5	-	-	9+	9+	4000
16	Sumburgh ...	29·8	-10	SW'W	7	do	49	97	49	7	5	-	-	10	10	700
17	Blacksod Point	41·2	- 2	SW'W	3	b	55	65	44	8	1	-	-	Tr	Tr	4000
18	Malin Head ...	39·9	0	W	4	c	53	75	45	8	5	-	-	9+	9+	2500
	Aldergrove ...	40·5	- 6	WSW	1	bc	61	45	41	9	-	7	-	0	4-6	-
19	Birr Castle ...	40·6	- 8	S	1	b-bc	65	55	49	8	1	-	-	2-3	2-3	2500
20	Valentia Obsy.	40·0	-10	NW'W	3	b	61	65	49	9	1	-	-	Tr	Tr	2500
	Roches Point	41·2	- 6	ESE	3	b	55	85	50	8	-	-	-	0	0	-

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

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)	39·5	-10	ESE	2	bc	63	35	37	8	-	-	4	0	4-6	-	0	*
	Croydon ...	39·2	-10	ENE	2	bc	60	45	39	8	-	-	3	0	4-6	-	0	*
	S. Farnborough	38·6	- 6	E	2	b	62	45	38	8	-	-		0	1	-	0	*
	Boscombe Down	38·4	-10	ENE	2	bc	64	45	39	7	-	-	2	0	4-6	-	0	*
	Thorney Island	38·6	-14	SSE	2	c-bc	59	65	46	9	-	-	8	0	7-8	-	0	*
	Lympne ...	39·5	- 4	NE'N	3	bc	55	55	38	8	-	-	8	0	4-6	-	0	§4
	Manston ...	39·5	-14	NE	3	bc	54	65	43	8	-	-	2	0	4-6	-	0	*
2	Shoeburyness ...	39·6	-12	SSW	2	bc	55	65	41	8	-	-	6	0	4-6	-	0	*
	Felixstowe ...	39·1	- 6	ESE	3	bc	55	65	42	8	-	-	8	0	4-6	-	0	2
	Gorleston ...	39·0	- 6	SE'S	2	b-bc	52	65	41	8	1	-	1	2-3	2-3	3000	0	2
	Mildenhall ...	38·7	-10	W'S	2	b	66	35	40	8	-	4	1	0	1	-	0	*
	Cranwell ...	38·1	-14	WSW	2	bc	63	55	48	6	-	3	6	0	4-6	-	0	*
3	Birmingham ...	38·3	- 6	NNW	3	b	64	45	43	8	-	-	1	0	Tr	-	1	*
	Upper Heyford	38·6	- 2	ENE	1	b	63	45	41	8	-	-	1	0	1	-	0	*
4	Ross-on-Wye	38·4	- 8	ENE	2	b	64	45	42	8	-	-	1	0	1	-	0	*
5	Hartland Point	38·5	-12	NE	2	b	55	65	44	8	-	-	-	0	0	-	0	2
	Bristol ...	38·4	-14	E	1	bc	63	55	44	8	-	-	2	0	4-6	-	0	*
	Portland Bill ...	38·6	-12	E	2	c-bc	52	75	46	8	5	-	-	7-8	7-8	4000	1	3
	Plymouth ...	38·7	-12	E'N	3	b	61	55	45	9	-	-	5	0	Tr	-	0	1
	The Lizard ...	37·7	-12	E	5	b-bc	55	65	42	8	7	-	-	2-3	2-3	3500	0	4
	Scilly (St.Mary's)	38·7	- 6	NE'E	3	b	57	75	49	8	-	-	-	0	0	-	0	3
	Guernsey ...																	
6	Pembroke ...	39·4	- 8	N	2	b-bc	58	75	50	8	-	7	-	0	2-3	-	0	1
7	Holyhead (Valley)	40·2	- 8	NW'N	1	b	59	55	41	8	-	-	-	0	0	-	0	*
	Chester (Sealand)	39·9	- 6	NW	1	b	59	55	42	8	-	-	1	0	Tr	-	0	*
8	Manchester ...	39·8	0	WNW	3	b-bc	60	55	44	7	-	3	-	0	2-3	-	0	*
10	Spurn Head ...	38·8	- 6	ESE	2	c-bc	53	75	47	7	7	3	-	4-6	7-8	2500	0	1
	Catterick (Sc) ...	38·6	- 6	NW	2	c-bc	62	35	39	8	-	7	-	0	7-8	-	0	*
	Tynemouth ...	38·1	- 6	W	3	c-bc	62	75	53	7	5	4	-	4-6	7-8	2800	0	2
11	St. Abbs Head	36·5	0	WNW	3	bc	56	75	47	7	4	4	-	4-6	4-6	3500	0	3
	Leuchars ...	36·7	+2	W	4	bc	53	55	46	8	1	4	-	2-3	4-6	4000	0	*
12	Renfrew (Abbots I.)	38·6	- 8	WSW	2	c	56	65	46	8	5	7	-	4-6	9+	1600	0	*
	Eskdalemuir ...	38·0	0	W	4	bc	58	45	38	9	7	4	1	2-3	4-6	3500	0	*
	Point of Ayre ...	39·8	-10	SE	1	b	57	65	45	8	-	4	-	0	Tr	-	0	1
13A	Tiree	38·5	- 4	W'S	4	c	51	92	49	6	5	-	-	10	10	800	0	3
13B	Stornoway ...	36·6	+4	W	4	do	51	85	46	8	5	-	-	9+	9+	2100	1	2
15	Dalwhinnie ...	37·0	- 2	SW	3	0	49	85	45	7	5	-	-	10	10	1500	0	*
	Aberdeen ...	35·6	- 2	WNW	4	c-bc	55	55	44	8	5	4	2	4-6	7-8	5700	0	2
	Wick ...	35·0	+10	NW	4	c	50	85	45	9	5	2	-	7-8	9+	3000	0	*
16	Sumburgh ...	31·6	+6	W	5	bc	49	85	46	8	5	-	6	Tr	4-6	2000	1	4
17	Blacksod Point	39·7	- 8	W	3	bc	56	65	48	8	2	4	9	1	4-6	4000	0	2
18	Malin Head ...	39·0	- 6	NW'W	4	bc	53	85	48	8	5	-	-	4-6	4-6	2500	1	3
	Aldergrove ...	39·1	- 8	WSW	1	b	65	45	40	9	-	4	-	0	Tr	-	0	*
19	Birr Castle ...	38·8	-12	SSE	1	b	67	45	46	8	-	-	-	0	0	-	0	*
20	Valentia Obsy.	38·8	- 8	W	3	b	57	75	49	9	-	-	1	0	Tr	-	1	2
	Roches Point	39·5	-12	E'S	3	b	54	85	49	8	-	-	-	0	0	-	1	3

PAST 24 HOURS.

District	Weather 7h.—13h. 16th (39)	Weather 13h.—18h. 16th (40)	Weather 18h. 16th to 1h. 17th (41)	Weather 1h.–7h. 17th (42)
1	bz bcy	bcy	bcyw	bcbzow
	bbcy	cybcy	bc,b,bc	bcb
	bbcmby	bbcby	bbcyb	bbcbmob
	bbybcy	bybcy	bcybcb	bbwb
	bybbc	bccbc	bcb	b
	bcc	bccbcy	bcybcbw	bcwb
	bbc	bcbbc	b	bw
	bcy	bcb	bc	bcmo
	bcy	bcy	bcb	b
	bc	bc	b	b
	bcbcy	bcby	byb	bbzo
	bbcby	bybczyzobccb		bzo
	by	by	b	bm
	bczbcy	bcyby	byb	bbzo
	bby	by	byb	bmow
	b	b	b	b
	by	bybcy	bcbcmbmwbwbmow	
	cbc	bcc	cbcb	bc
	byb	by	byb	bw
	b	bcc	bcb	b
	b	b	b	b
6	bz	bzob	bzob	b
7	cbcb	by	b	bw
	cmbcy	bcyby	byb	bbc
8	cmbcbcy	bczoby	bybczombfmw	
10	c	c	bc	bc
	ccy	bcy	bcybc	bcc
	cm	cbcc	cbc	bccmo
11	c	cbc	bcc	bcc
	ccy	cybcy	bcycycbc	ccir.
12	c	ccw	cwcir.idcmo	
	cbcy	bcy	bcybc	bccpr.
	cb	b	bbcc	bbcc
13A	ccd	cd.c	cid.	c
13B	cid.	ccid.	c	cir.d.d.
15	cu	co		cco
	bc or bccy	cybcy	c	c
	c	cir.c	c	ccir.
16	cr.m.d.	cid.bc	bcc	c
17	bc	bc	b	b
18	bc	c	bc	bc
	bbcbcyv	bcyvbyvbbcc		cbcbw
19	bc	b	b	b
20	b	b	b	b
	b	b	f	f

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light variable wind; fine; rather warm during day.
5 S.W. England 6 South Wales	Light or moderate east wind, fresh locally on coast; fine rather warm.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England	As 1-4.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man	Light west wind; fair; rather warm.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light or moderate southwest to west wind; cloudy; local drizzle; rather warm.
16 Orkneys and Shetlands	As 13A - 15.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 1-4.

GENERAL INFERENCE

A large anticyclone covers the British Isles and weather will be fair except in North Scotland.

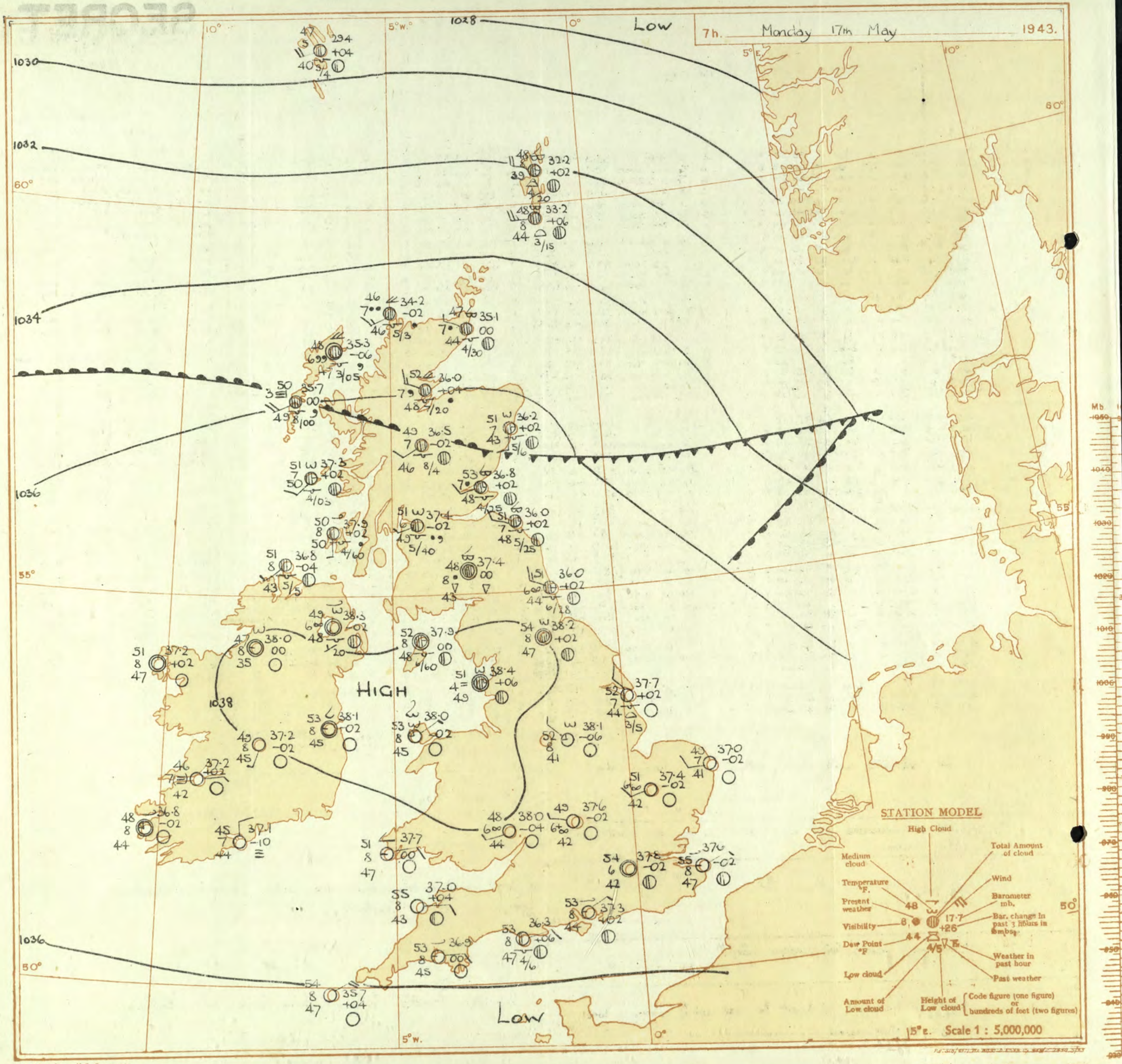
FURTHER OUTLOOK

Similar. Probably fair for some days over England.

Forecasts issued at 10·30

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

7h. Monday 17th May 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Monday 17th May.

1943.

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. 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 two hours to get double summer time.

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

Monday 17th May 1943 — No. 29761

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

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	*	*	*	*	*	47	*	*	*	*	*	*	*	*	*
	Croydon ...	290	38·6	-10	-	0	bc	45	85	40	7	-	-	1	0	4-6	-
	S. Farnborough	226	38·6	-6	-	0	b	46	85	40	8	-	-	4	0	1	-
	Boscombe Down	417	38·2	-6	E	1	b	48	85	43	7	-	-	1	0	Tr	-
	Thorney Island	10	38·0	-10	NE	2	b	47	75	40	9	-	-	1	0	1	-
	Lympne ...	283	38·3	-10	-	0	b	43	85	40	8	-	-	-	0	0	-
	Manston ...	154	38·5	-10	ENE	1	b	44	92	41	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	38·3	-8	W'S	1	b	51	85	47	8	-	-	-	0	0	-
	Gorleston ...	5	38·4	-8	SW'S	2	b	48	75	40	7	-	-	-	0	0	-
	Mildenhall ...	15	38·2	-8	WSW	1	b	47	85	41	8	-	-	-	0	0	-
	Cranwell ...	203	37·8	-8	NW	2	z_o	51	75	41	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	37·8	-6	-	0	b	47	85	42	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	37·3	-4	NE	2	b	56	65	43	8	-	-	-	0	0	-
	Bristol ...	209	38·2	-4	SE	1	b	48	75	41	7	-	-	-	0	0	-
	Portland Bill ...	32	37·2	-8	E	2	b	50	85	46	6	-	-	-	0	0	-
	Plymouth ...	82	37·8	-6	E	1	b	47	85	42	8	-	-	-	0	0	-
	The Lizard ...	240	37·0	-2	E	3	b	49	75	42	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	37·1	-6	ENE	3	b	48	85	44	8	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	38·0	-10	ENE	2	b	50	65	38	8	-	-	-	0	0	-
7	Holyhead (Valley)	32	38·7	-6	-	0	b	47	75	41	8	-	-	-	0	0	-
	Chester (Sealand)	16	38·5	-6	-	0	b	43	92	41	8	-	4	1	0	1	-
8	Manchester ...	235	39·0	-6	-	0	bf+	44	92	41	3	-	-	-	0	0	-
10	Spurn Head ...	29	37·5	-12	W'S	7	b	53	75	47	7	7	-	-	1	1	2500
	Catterick (Sc)...	192	38·6	-8	-	0	c-bc	51	85	45	8	-	3	-	0	7-8	-
	Tynemouth ...	108	37·7	-4	W	3	b-bc	51	65	41	7	-	4	-	0	2-3	-
11	St. Abbs Head	280	36·8	-2	W	3	b-bc	51	92	48	7	5	-	-	4-6	4-6	4000
	Leuchars ...	36	37·1	-6	-	0	bc	48	92	45	8	5	3	-	2-3	4-6	4000
12	Renfrew (Abbotsl.)	19	38·3	-6	-	0	c	51	85	48	7	5	7	-	4-6	9+	4000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	38·8	-8	W'N	1	c	47	92	45	8	-	3	-	0	9+	*
13A	Tiree	44	37·7	-10	WSW	2	c/d	49	97	49	6	5	-	-	10	10	1000
13B	Stornoway ...	15	36·2	-10	SW	3	c	49	85	45	8	5	2	-	7-8	10	2200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	29·5	-2	SE	7	c	48	97	47	9	5	7	-	4-6	9	2500
	Wick ...	114	35·8	-2	SW	2	c-bc	47	92	43	7	5	3	-	4-6	7-8	3000
16	Sumburgh ..	19	33·0	+2	W'N	5	c	48	85	45	8	5	7	8	2-3	9	2500
17	Blacksod Point	18	38·2	-12	-	0	b	46	92	44	8	-	-	-	0	0	-
18	Malin Head ...	84	38·3	-8	SW'S	1	c	48	92	46	8	5	-	-	9+	9+	2500
	Aldergrove ...	268	39·4	-6	-	0	c	46	92	44	8	-	3	-	0	9	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	38·0	-8	-	0	b	44	92	42	8	-	-	-	0	0	-
	Roches Point	22	38·3	-8	ENE	1	f	46	92	44	2	-	-	-	10	10	4150

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

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)	38·2	+2	-	0	z_o	52	75	45	5	-	-	-	0	0	-	0	*
	Croydon ...	37·8	-2	-	0	b	54	65	42	6	-	-	-	0	0	-	0	*
	S. Farnborough	38·1	+2	-	0	b	48	75	40	7	-	-	1	0	Tr	-	0	*
	Boscombe Down	38·0	+2	-	0	b	50	75	41	7	-	-	-	0	0	-	0	*
	Thorney Island	37·3	+2	NE	1	b	53	75	44	8	-	-	1	0	Tr	-	0	*
	Lympne ...	37·8	+2	NE	1	b	55	75	47	8	-	-	1	0	Tr	-	0	*
	Manston ...	37·6	-2	ENE	1	b	55	75	47	8	-	-	1	0	Tr	-	0	*
2	Shoeburyness ...	37·9	0	-	0	z_o	52	75	46	6	-	-	1	0	Tr	-	0	*
	Felixstowe ...	37·6	0	SW	1	b	53	75	46	8	-	-	-	0	0	-	0	1
	Gorleston ...	37·0	-2	W'S	2	b	49	75	41	7	-	-	-	0	0	-	0	2
	Mildenhall ...	37·4	-2	WSW	2	z_o	51	75	42	6	-	-	-	0	0	-	0	*
	Cranwell ...	37·6	+2	NW	1	z_o	54	65	44	6	-	-	9	0	Tr	-	0	*
3	Birmingham ...	37·3	-2	-	0	bf	50	75	42	3	-	-	-	0	0	-	1	*
	Upper Heyford	37·6	-2	WNW	1	z_o	49	75	42	6	-	-	-	0	0	-	0	*
4	Ross-on-Wye	38·0	-4	W'S	1	z_o	48	85	44	6	-	-	-	0	0	-	0	*
5	Hartland Point	37·0	+4	E	2	b	55	65	43	8	-	-	-	0	0	-	0	2
	Bristol ...	37·8	-4	-	0	z_o	51	85	46	6	-	-	-	0	0	-	0	*
	Portland Bill ...	36·3	+6	ENE	2	bc	53	75	47	8	5	-	-	4-6	4-6	4000	1	3
	Plymouth ...	36·9	0	E	2	b	53	75	45	8	-	-	1	0	Tr	-	0	1
	The Lizard ...	35·7	+4	E	4	b	53	85	49	8	-	-	-	0	0	-	0	3
	Scilly (St. Mary's)	35·7	+4	NE/E	4	b	54	75	47	8	-	-	-	0	0	-	0	3
	Guernsey ...																	
6	Pembroke ...	37·7	0	E	2	b	51	85	47	8	-	1	-	0	Tr	-	0	2
7	Holyhead (Valley)	38·0	-2	NE/E	1	b	53	75	45	8	-	3	9	0	1	-	0	1
	Chester (Sealand)	37·9	-2	-	0	z_o	50	75	44	6	-	3	9	0	4-6	-	0	*
8	Manchester ...	38·4	-2	-	0	m	49	85	45	4	-	3	-	0	4-6	-	0	*
10	Spurn Head ...	37·7	+2	NW	2	b-bc	52	75	44	7	7	-	-	2-3	2-3	2500	0	1
	Catterick (Sc)...	38·2	+2	-	0	c	54	75	47	8	-	3	-	0	10	-	0	*
	Tynemouth ...	37·9	-2	WNW	3	z_o	55	65	44	6	5	-	-	9	9	2800	0	2
11	St. Abbs Head	36·0	+2	WNW	2	c	51	92	48	7	5	7	-	7-8	9+	2500	0	2
	Leuchars ...	36·8	+2	WSW	2	ir.	53	85	48	7	5	7	-	4-6	9+	2500	0	*
12	Renfrew (Abbotsl.)	37·4	-2	SW'W	1	c-bc/d	51	92	49	6	5	3	-	7-8	7-8	4000	1	*
	Eskdalemuir ...	37·4	0	-	0	ir.	48	85	43	8	-	9	-	0	10	-	0	*
	Point of Ayre...	37·9	0	-	0	c	52	85	48	8	5	-	-	9	9	6000	0	0
13A	Tiree	37·3	+2	SW'S	2	c	51	97	50	7	5	3	-	4-6	9	3000	0	2
13B	Stornoway ...	35·3	-6	-	0	d.d.	48	92	47	6	5	2	-	2-3	10	500	1	1
15	Dalwhinnie ...	36·5	-2	SW	2	0	49	92	46	7	5	-	-	10	10	1500	1	*
	Aberdeen † ...	36·2	+2	S'W	2	c	51	75	43	7	5	3	-	7-8	9+	4000	0	1
	Wick ...	35·1	0	WNW	1	ir.	47	92	44	7	5	7	-	4-6	10	3000	0	*
16	Sumburgh ..	33·2	+6	W	5	c	48	85	44	8	1	7	-	2-3	10	1500	1	3
17	Blacksod Point	37·2	+2	-	0	b	51	85	47	8	-	-	-	0	0	-	0	*
18	Malin Head ...	36·8	-4	SW'S	1	c-bc	51	75	43	8	5	-	-	7-8	7-8	2500	1	3
	Aldergrove ...	38·3	-2	-	0	z_o	49	97	48	6	5	3	1	Tr	2-3	2000	1	*
19	Birr Castle ...	37·2	-2	SSW	1	b	49	85	45	8	-	-	-	0	0	-	0	*
20	Valentia Obsy.	36·8	-2	-	0	b	48	85	44	8	-	-	1	0	1	-	1	1
	Roches Point	37·1	-10	N	2	b/f	45	97	44	7	-	-	-	0	0	-	1	2

PAST 24 HOURS.

District	Stations	Temperatures. 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 16th Hrs. (38)
1	London (Kew)	63	44	30	-	-	14·2
	Croydon ...	63	43	35	-	-	14·5
	S. Farnborough	65	42	30	-	-	14·1
	Thorney Island	65	43	39	-	-	14·0
	Lympne ...	62	41	36	-	-	*
	Manston ...	58	41		-	-	14·4
2	Shoeburyness ...	56	43	31	-	-	14·2
	Felixstowe ...	57	41	39	-	-	14
	Gorleston ...	58	45	36	-	-	14
	Mildenhall ...	55	46	41	-	-	14·0
	Cranwell ...	67	42	35	-	Tr	14·4
3	Birmingham ...	66	47	43	-	-	12·5
	Upper Heyford	67	45	33	-	-	11·7
4	Ross-on-Wye	65	45	31	-	-	*
5	Hartland Point	66	43	35	-	-	13·8
	Bristol ...	57	48	45	-	-	13·8
	Portland Bill ...	65	41	34	-	-	13·6
	Plymouth ...	62	47	*	-	-	*
	The Lizard ...	63	45	29	-	-	14·0
	Scilly (St. Mary's)	58	49	*	-	-	14·4
	Guernsey ...	61	47	*	-	-	14·0
6	Pembroke ...	60	46	*	-	-	14·0
7	Holyhead (Valley)	62	42	34	-	-	*
	Chester (Sealand)	64	41	31	-	-	13·1
8	Manchester ...	64	41	32	-	-	*
10	Spurn Head ...	60	50	*	-	-	10·4
	Catterick (Sc)...	66	45	38	-	-	7·2
	Tynemouth ...	62	48	42	-	-	*
11	St. Abbs Head	57	50	*	Tr	-	
	Leuchars ...	62	46	37	-	-	4·3
12	Renfrew (Abbotsl.)	62	49	45	-	Tr	2·4
	Eskdalemuir ...	62	44	38	-	Tr	5·0
	Point of Ayre...	62	44	*	-	-	11·6
13A	Tiree	53	48	46	Tr	Tr	0·0
13B	Stornoway ...	55	46	46	0·4	1	0·3
15	Dalwhinnie ...	52	46	46	-	-	0·0
	Aberdeen † ...	63	48	41	Tr	-	3·7
	Wick ...	57	42	36	0·2	-	*
16	Sumburgh ..	51	47	43	0·1	-	3·6
17	Blacksod Point	58	42	*	-	-	*
18	Malin Head ...	54	45		-	-	4·6
	Aldergrove ...	65	43		-	0·1	
19	Birr Castle ...	68	41	37	-	-	13·7
20	Valentia Obsy.	61	41	33	*	-	14·4
	Roches Point	57	(45)	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 16th May				18h. G.M.T.			01h. G.M.T. 17th May			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 67	52645	56657	53	02755	26426	53	02752	24425	83	02754	24426
115 --	67109	20469	52	02844	24427	52	02844	22427	52	62735	20368
203									6-	54738	16428
206 57	02955	24527	57	61954	24427	57	02855	20266	52	51757	24368
210 77	02966	56527	73	61966	24327	5-	02855	00065	5-	51858	24158
219 5-	21628	21558	5-	10857	21357	5-	05628	20158	5-	44308	21458
230 52	02844	20328	52	02724	20328	5-	51638	20158	5-	22638	18268
245 59	02962	55556	59	01863	24414	53	02954	24216	59	61957	06167
260 57	02764	22325	57	02862	24425	03	05690	22214	07	22790	20228
278 07	02990	26327	57	02866	30327	05	02890	24115	03	02790	32126
279 14	01862	20424	54	02864	22426	43	02771	19215	07	02890	24127
285									5-	02857	28427
288 17	02861	22327	03	02890	28326	03	02890	00026	03	02690	00017
575 14	01961	26212	04	01890	28111	03	02890	00025	03	01890	00001
301 00	01790	24213	04	01790	28202	03	05590	00015	03	08490	00027
321 03	05690	26124	04	05690	32124	00	05590	26110	07	41490	30143
2.9 54	02965	02115	54	01763	16214	00	00790	16300	53	01763	30213
292 57	02874	00027	04	01890	26313	03	02890	26115	03	02890	00026
310											
614 10	01763	20214	40	00761	24201	00	05690	00000	00	05590	02100

13h. G.M.T. 16th May				18h. G.M.T.			01h. G.M.T. 17th May			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 13	02871	28215	00	01890	28301	00	00890	26101	04	04890	00001
334									--	01562	06103
340 10	05663	24213	00	05630	32302	00	05690	36242	00	05690	28100
136 10	02962	20214	03	02990	22116	03	00790	20102	05	01790	24104
336									00	00790	04200
350 00	01890	26113	00	01890	26113	00	00790	22110	00	00790	22110
368 00	05690	20301	00	05630	28100	00	05690	00000	00	05690	04100
379 10	01861	12102	00	01890	04103	00	00790	00000	00	05690	29100
390 10	01861	12213	00	01890	12213	00	00890	00000	00	05590	28100
38200	01890	10213	00	01890	12112	00	00890	00010	00	00790	00000
438 14	01862	06414	44	01862	06414	00	00790	04400	08	01790	04312
430 10	01851	12114	10	01890	04202	00	01790	04111	00	00890	04100
409 10	01851	01301	00	00830	03200	00	00790	12100	00	00990	05200

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 17th May
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 ...	bzobcy	bcy	bcyuz$_o$	Kew 24 hours ended 7h Max. Th 0·3 6-7h 17th
Croydon ...	bbcy	cybcy	bc, bcb	
Greenwich ...	by	by	bzoy	
Camden Square	b	b	*	Min. Th 0·1 9-24h 16th
Kensington ...	bcbbc	bc	*	
Hampstead ...	bc	b	b	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs	Humidity 15h %	Humidity 9h %
						Yesterday		To-day
Kew ...	63	44	30	-	-	14·2	*	*
Croydon ...	63	43	35	-	-	14·5	*	*
Greenwich ...	65	43	30	-	-	14·2	36	47
Westminster ...	64	47	41	-	-			63
Regents Park ...		45	36	-	-		49	53
Camden Square	68	46	39	-	-	*	*	58
Kensington ...	65	45	34	-	-		56	52
Hampstead ...	62	52	36	-	-		*	57

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

SECRET

Tuesday 18th May 1943

No. 25762

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

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)	35·1	−20	NNE	2	2o	67	45	43	6	–	–	–	0	0	–
	Croydon ...	35·2	−14	NE	2	b	68	45	45	6	–	–	–	0	0	–
	S. Farnborough	34·8	−18	ENE	2	b	70	45	45	7	–	–	–	0	0	–
	Boscombe Down	34·9	−18	N'E	4	b	67	45	45	7	–	–	–	0	0	–
	Thorney Island	35·0	−16	SSW	3	b	63	75	56	8	–	–	–	0	0	–
	Lympne ...	35·7	−10	ENE	2	b	64	45	41	8	–	–	–	0	0	–
	Manston ...	36·1	−10	NE	2	b	61	45	41	8	–	–	–	0	0	–
2	Shoeburyness ...	35·9	−14	S	2	b	60	65	46	8	–	–	1	0	Tr	–
	Felixstowe ...	35·9	−10	SSE	3	b	61	65	49	8	–	–	–	0	0	–
	Gorleston ...	35·9	−10	E	1	b	57	65	45	7	–	–	–	0	0	–
	Mildenhall ...	35·3	−16	–	0	b	70	45	50	8	1	–	–	Tr	Tr	2500
	Cranwell ...	35·3	−18	NE'N	3	b	70	45	50	8	–	3	–	0	Tr	–
3	Birmingham ...	35·1	−10	ESE	2	b	68	35	39	7	–	–	–	0	0	–
	Upper Heyford	35·1	−16	NE	2	2o	70	45	49	7	–	–	–	0	0	–
4	Ross-on-Wye	37·0	−10	N'W	2	2o	61	55	45	6	–	–	–	0	0	–
5	Hartland Point	34·7	−14	ENE	2	b	57	65	44	8	–	–	–	0	0	–
	Bristol ...	35·4	−16	ENE	1	b	67	55	49	7	–	–	–	0	0	–
	Portland Bill ...	34·8	−12	ESE	4	bc	58	85	54	8	1	–	–	4-6	4-6	4000
	Plymouth ...	35·1	−14	ENE	4	b	64	45	41	8	–	–	1	0	Tr	–
	The Lizard ...	34·1	−10	E	5	b	58	85	49	8	–	–	–	0	0	–
	Scilly (St. Mary's)	33·7	−12	ENE	4	b	62	65	51	8	–	–	–	0	0	–
	Guernsey ...															
6	Pembroke ...	36·1	−12	–	0	bbc	58	65	46	7	2	4	–	1	2-3	3000
7	Holyhead (Valley)	34·5	−8	SSW	2	b	65	25	31	8	–	3	–	0	Tr	–
	Chester (Sealand)	35·5	−18	S	1	bbc	69	25	34	8	–	–	9	0	2-3	–
8	Manchester ...	35·5	−18	W	2	2o	67	55	49	6	–	5	–	0	4-6	–
10	Spurn Head ...	36·5	−8	ESE	2	b	56	75	49	7	–	1	1	0	1	–
	Catterick (Sc) ...	35·9	−16	SSW	1	bc	67	55	49	8	1	3	–	1	4-6	5000
	Tynemouth ...	36·3	−10	SE	2	2o	55	75	47	6	5	–	–	7-8	7-8	2400
11	St. Abbs Head	35·2	−8	SE	1	cbbc	59	75	52	8	5	6	–	2-3	7-8	3000
	Leuchars ...	34·4	−14	WSW	2	cbbc	61	75	51	7	5	3	–	2-3	7-8	3000
12	Renfrew (Abbotsl.)	35·5	−12	NNW	3	b	65	45	45	9	5	–	9	Tr	Tr	3000
	Eskdalemuir ...	34·6	−14	SW	2	bbbc	64	35	38	8	–	8	–	0	2-3	–
	Point of Ayre ...	37·0	−6	E'N	2	b	57	65	45	8	1	3	9	Tr	1	5000
13A	Tiree	36·5	−4	WSW	1	b	55	65	43	9	1	–	–	Tr	Tr	3000
13B	Stornoway ...	34·2	−2	SW	4	c	54	55	49	8	5	2	–	7-8	9+	900
15	Dalwhinnie ...		−10	SW	2	b	63	45	42	8	1	4	–	Tr	1	4000
	Aberdeen ...	34·3	−10	SE	2	c	60	65	49	7	5	7	–	2-3	9+	4000
	Wick ...	34·1	−8	SE	1	irr o	47	92	44	7	5	–	–	4-6	10	1000
16	Sumburgh ...	32·7	−2	WSW	4	c	49	92	47	8	6	7	–	2-3	10	1200
17	Blacksod Point	35·6	−10	WNW	1	b	63	55	47	8	1	4	–	Tr	1	4000
18	Malin Head ...	36·0	−6	ENE	2	b	53	75	46	8	5	–	–	1	1	2500
	Aldergrove ...	36·1	−10	NNW	1	bbc	65	55	45	8	7	–	–	2-3	2-3	3000
19	Birr Castle ...	35·4	−14	S	2	b	69	45	47	8	–	–	–	0	0	–
20	Valentia Obsy.	34·3	−14	NNW	3	b	66	55	50	9	–	–	–	0	0	–
	Roches Point	35·5	−14	E	3	b	57	85	52	9	–	–	–	0	0	–

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

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)	°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)	32·7	−8	ENE	2	2o	70	45	60	6	5	–	1	Tr	1	2500	0	*
	Croydon ...	32·5	−14	ENE	2	b	69	55	50	7	–	–	–	0	0	–	0	*
	S. Farnborough	32·2	−12	SE	2	b	70	45	47	7	–	–	–	0	0	–	0	*
	Boscombe Down	32·1	−12	SE'S	3	b	68	55	51	7	–	–	–	0	0	–	0	*
	Thorney Island	33·0	−10	ESE	3	b	61	55	45	8	–	–	–	0	0	–	0	*
	Lympne ...	33·4	−14	ENE	2	b	59	55	41	8	–	–	–	0	0	–	0	3
	Manston ...	33·9	−6	E	2	b	59	55	41	8	–	–	–	0	0	–	0	*
2	Shoeburyness ...	33·2	−8	SE	3	b	60	55	45	8	–	–	–	0	0	–	0	*
	Felixstowe ...	33·7	−12	E'N	2	b	58	65	46	8	–	–	–	0	0	–	0	*
	Gorleston ...	34·7	−2	ENE	1	b	55	85	50	7	–	–	–	0	0	–	0	1
	Mildenhall ...	33·4	−10	ENE	3	b-bc	70	45	48	8	1	4	–	1	2-3	4000	0	1
	Cranwell ...	34·3	−2	ESE	4	bc	63	55	49	8	2	3	9	Tr	4-6	4000	0	*
3	Birmingham ...	32·7	−10	E	2	b	70	45	49	7	1	–	–	1	1	4000	0	*
	Upper Heyford	32·7	−10	NE'E	2	b	69	45	40	7	–	–	–	0	0	–	0	*
4	Ross-on-Wye	32·2	−16	ENE	2	b	70	45	47	7	–	–	–	0	0	–	0	*
5	Hartland Point	31·9	−16	NE	3	b	55	85	49	8	–	–	–	0	0	–	0	2
	Bristol ...	32·4	−14	E	2	2o	69	65	54	6	1	–	–	Tr	Tr	4000	0	*
	Portland Bill ...	33·1	−4	E	3	bc	55	85	51	8	2	–	–	4-6	4-6	4000	1	3
	Plymouth ...	32·4	−14	E	3	b	62	55	44	8	–	–	–	0	0	–	0	1
	The Lizard ...	31·4	−16	E	4	b-bc	56	65	46	8	4	–	–	2-3	2-3	3000	0	3
	Scilly (St. Mary's)	31·2	−16	NE'E	4	b-bc	59	65	46	8	5	–	–	2-3	2-3	1200	0	3
	Guernsey ...																	
6	Pembroke ...	32·8	−12	NNE	3	b	61	55	45	7	–	–	–	0	0	–	0	1
7	Holyhead (Valley)	34·1	−12	ENE	2	b	65	45	42	8	–	–	–	0	0	–	0	*
	Chester (Sealand)	33·5	−18	S	1	bbc	69	25	34	8	–	–	–	0	0	–	0	*
8	Manchester ...	33·5	−10	NW'N	3	2o	64	55	49	6	–	–	–	0	0	–	0	*
10	Spurn Head ...	35·0	−8	SE	3	b	54	85	49	7	–	–	1	0	1	–	0	2
	Catterick (Sc) ...	34·0	0	N	2	2o	69	45	46	6	5	3	–	4-6	7-8	5000	0	*
	Tynemouth ...	34·4	−12	SSE	3	bc	54	75	46	7	5	3	–	4-6	4-6	2400	0	2
11	St. Abbs Head	32·8	−6	SE	2	b-bc	59	75	51	7	5	4	–	2-3	2-3	3500	0	2
	Leuchars ...	32·1	−10	W	3	b	68	55	38	9	–	4	–	0	1	–	0	*
12	Renfrew (Abbotsl.)	32·9	−8	S	3	b	63	55	46	8	1	4	–	1	1	3600	0	*
	Eskdalemuir ...	34·4	−8	NW'N	1	b	60	55	42	9	–	–	4	0	Tr	–	0	0
13A	Tiree	35·2	−4	NW	2	b	52	75	41	9	5	4	–	Tr	Tr	2500	0	1
13B	Stornoway ...	34·6	0	WSW	3	b-bc	54	65	42	8	8	4	1	2-3	2-3	2200	1	2
15	Dalwhinnie ...	34·0	−2	W	3	b	59	35	34	8	1	4	–	Tr	1	4000	0	*
	Aberdeen ...	33·7	−2	ENE	2	bc	55	85	49	7	2	3	–	Tr	4-6	4000	0	1
	Wick ...	33·8	+2	–	0	c	49	55	36	8	5	–	–	9	9	4000	1	*
16	Sumburgh ...	33·0	+2	WNW	3	S'd	47	97	46	8	5	7	–	2-3	9+	5000	1	3
17	Blacksod Point	33·5	−14	N'E	3	b	59	75	51	8	–	–	–	0	0	–	0	2
18	Malin Head ...	34·8	−8	NE'N	2	b	52	85	47	8	–	–	–	0	0	–	1	2
	Aldergrove ...	33·7	−16	SW'S	1	b-bc	67	55	49	8	1	4	1	Tr	2-3	4000	0	*
19	Birr Castle ...	33·8	−20	S	1	b	71	45	50	8	–	–	–	0	0	–	0	*
20	Valentia Obsy.	31·3	−18	SE'E	3	b	67	45	46	9	–	–	–	0	0	–	1	2*
	Roches Point	32·8	−18	E	3	b	58	75	50	9	–	–	–	0	0	–	0	2

PAST 24 HOURS.

Sea. 0–9 (32)	Weather 7h.—13h. 17th (39)	Weather 13h.—18h. 17th (40)	Weather 18h. 17th to 1h. 18th (41)	Weather 1h.—7h. 18th (42)
*	bzoy	bzoy	byw	bbczow
*	by	by	b	bbwb
*	by	bbzoby	byb	bbzomo
*	bby	b	byb	bbmo
*	bybo	bby	b	bbw
3	b	by	byb	bbcwb
*	by	bwyby	b	b
*	bcmobcybcybby	b	b	
1	b	b	b	b
1	b	b	bcbw	bc
*	bzobyby	byb	bbmobw	
*	czobybybcy	bcybmo	bmob	
*	Fb	b	b	b
*	bzobzoybzoyb	byb	bzobmobzo	
*	b	by	byb	bw
2	by	by	b	b
*	bzoy	bzoy	bzybmow	bmow
3	bcbcz	bcbc	b	bc
1 ✓	b	by	byb	b
3	b	bbc	b	b
3	b	bbc	bcb	bzo
1	bbczo	bzo	bcbzo	bczo
*	by	by	b	b
*	bczybcyby	bybmo	cmom	
*	bcmbbczybcbzoy	bzoyzomw	bmmow	
2	bc	bc	bbc	be
*	cybcy	bcycy	czob	bmow
2	cmo	cmobc	bcbmo	cmo
2	crrcirobcmobc	bcbbc	bcbbemo	
*	clrmpcbcyby	byvb	cmowbe	
*	bcbcyby	by	bybbw	bwbwfgfgm
*	cprobcbyby	byb	b	
0	bcb	by	b	bw
1	cb	b	b	bfgmaif
2	c	cbc	bc	bc
*	0,by	by		b
1	civ.2.c	cbc	bcbw	bbccw
*	cro ir o	croromo	c	c
3	c	ccidoc	bc	bwbew
2	b	b	b	b
2	bc	b	b	b
*	bby	by	byb	b
*	b	b		b
2*	b	b	b	b
2	b	b	b	b

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Moderate east to southeast wind, fresh locally later; fine; warm during day; cool at night.
5 S.W. England 6 South Wales	Moderate or fresh east wind strong locally on coast; fine at first; local thundery rain or thunderstorms later; rather warm
7 North Wales 8 N.W. England 9 N. Midlands ...	As 1-4.
10 N.E. England 11 S.E. Scotland	Moderate east wind fresh locally; fair inland but low cloud and local fog in coast areas; rather warm inland; cool near coasts.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland	As 1-4.
15 N.E. Scotland	As 10-11.
16 Orkneys and Shetlands	As 10-11
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh east wind strong locally veering slowly later; fair at first; occasional rain later with local thunder; rather warm.

GENERAL INFERENCE

An anticyclone over the North Sea is receding east and a trough of low pressure is approaching west and southwest coasts. Weather will be fine at first over most of the British Isles apart from local fog near the east coast but thundery rains and local thunderstorms are expected in the west and southwest later.

FURTHER OUTLOOK

Unsettled conditions in the West spreading slowly east with occasional rain and perhaps local thunderstorms.

Forecasts issued at 10·30

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

7h. Tuesday 18th May 1943.

HIGH

Low

1032 1030 1028 1026 1024 1022

10° 5°W. 0° 5°E. 10°

60° 55° 50°

STATION MODEL

High Cloud

Medium cloud

Low cloud

Amount of Low cloud

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

Temperature °F

Present weather

Visibility

Dew Point °F

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Weather in past hour

Past weather

Scale 1 : 5,000,000

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

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Tuesday 18th May

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

R.M.S.

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

Tuesday 18th May 1943 — No. 29762

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

District	Stations	Height above M.S.L. in feet.	Baromn. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	53			*	*	*	*	*	*	*
	Croydon ...	290	32·3	-8	NE	1	b	49	85	44	7	-	4	-	0	Tr	-
	S. Farnborough	226	31·7	-10	ENE	2	b	52	65	41	7	-	-	-	0	0	-
	Boscombe Down	417	31·3	-10	SE	2	b	52	75	44	7	-	-	-	0	0	-
	Thorney Island	10	30·7	-12	NE'N	3	b	52	75	43	7	-	-	-	0	0	-
	Lympne ...	283	31·8	-14	NE	3	b	50	85	44	8	-	-	-	0	0	-
	Manston ...	154	31·8	-14	ENE	3	b	49	85	45	8	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	32·7	-10	ENE	4	b	52	85	46	8	-	-	-	0	0	-
	Gorleston ...	5	33·5	-6	E	3	b	51	97	50	7	-	-	-	0	0	-
	Mildenhall ...	15	32·9	-8	E'S	1	b	46	85	42	7	-	-	-	0	0	-
	Cranwell ...	203	33·1	-4	-	0	Zo	48	92	45	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	32·1	-6	NE	1	b	51	85	47	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	29·2	-12	E	4	b	55	65	42	8	-	-	-	0	0	-
	Bristol ...	209	31·5	-2	-	0	Zo	48	85	45	6	-	-	-	0	0	-
	Portland Bill ...	32	29·5	-16	NE	4	b	52	85	48	8	-	-	-	0	0	-
	Plymouth ...	82	30·0	-14	E	3	b	54	75	45	8	-	-	-	0	0	-
	The Lizard ...	240	28·3	-16	ENE	5	b	53	85	47	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	27·5	-24	E'N	4	b	52	85	47	8	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	30·7	-10	ESE	3	b	54	85	48	7	-	-	-	0	0	-
7	Holyhead (Valley)	32	31·4	-16	ENE	1	b	53	65	40	8	-	-	-	0	0	-
	Chester (Sealand)	16	32·1	-10	-	0	Zo	47	92	45	5	-	-	-	0	0	-
8	Manchester ...	235	32·5	-6	S	1	m	49	97	47	4	-	-	-	0	0	-
10	Spurn Head ...	29	33·1	-12	SE'S	3	b-bc	52	85	49	7	-	3	1	0	2-3	-
	Catterick (Sc.)...	192	33·7	-4	SW	1	Zo	50	85	46	6	-	-	-	0	0	-
	Tynemouth ...	108	32·0	-4	SW	2	Zo	48	92	45	6	-	-	-	0	0	-
11	St. Abbs Head	280	31·2	-10	NW	2	b-bc	49	92	47	7	5	-	-	2-3	2-3	4000
	Leuchars ...	36	32·6	-6	-	0	bc	47	92	44	8	-	4	8	0	4-6	-
12	Renfrew (Abbotts I.)	19	32·8	-8	WSW	1	b	45	85	41	7	-	-	1	0	Tr	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	31·5	-2	-	0	b	49	85	45	8	-	-	-	0	0	-
13A	Tiree	44	33·1	-14	-	0	f-s	41	97	41	9	-	4	-	0	Tr	-
13B	Stornoway ...	15	34·1	-6	-	0	b-bc	42	97	42	8	5	-	8	1	2-3	2800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	33·9	-6	-	0	m	44	92	42	4	-	7	-	0	7-8	-
	Wick ...	114	33·9	-2	W	1	c	47	92	45	8	5	7	-	7-8	10	3000
16	Sumburgh ..	19	33·5	-2	-	0	c-bc	43	97	42	8	5	7	9	Tr	7-8	4000
17	Blacksod Point	18	30·4	-18	EW	3	b	51	85	47	8	-	-	-	0	0	-
18	Malin Head ...	84	32·0	-18	E	1	b	50	75	42	8	-	-	-	0	0	-
	Aldergrove ...	268	32·5	-12	-	0	b	47	75	38	8	-	-	-	0	0	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	28·1	-22	E'N	4	b	56	55	40	8	-	-	-	0	0	-
	Roches Point	22	29·6	-18	E'N	2	b	51	75	43	8	-	-	-	0	0	-

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

District	Stations	Baromn. 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)	30·7	-4	ENE	3	Zo	55	75	48	5	8	-	-	2-3	2-3	2500	0	*
	Croydon ...	29·8	-12	NE	2	Zo	54	85	48	6	-	-	-	0	0	-	1	*
	S. Farnborough	30·3	+6	ENE	2	b	52	85	46	6	-	-	-	0	0	-	0	*
	Boscombe Down	29·8	-6	SE	3	Zo	53	75	46	6	-	-	-	0	0	-	0	*
	Thorney Island	29·1	-4	ENE	3	b	56	75	48	8	-	-	-	0	0	-	0	*
	Lympne ...	30·5	+2	E'N	3	b	56	75	47	8	-	-	-	0	0	-	0	*
	Manston ...	30·7	+2	ENE	3	b	55	85	49	8	-	-	-	0	0	-	0	*
2	Shoeburyness ...	31·3	+2	E	4	b	56	85	51	8	-	-	-	0	0	-	0	*
	Felixstowe ...	32·0	+4	NE'E	4	b	55	85	50	8	-	-	5	0	1	-	0	2
	Gorleston ...	32·0	-4	E'N	2	b-bc	53	85	48	7	-	4	-	0	2-3	-	0	2
	Mildenhall ...	31·7	-6	ESE	2	b	55	75	47	8	-	4	-	0	Tr	-	0	*
	Cranwell ...	31·8	+2	SE'S	3	b	52	75	44	7	-	-	1	0	Tr	-	0	*
3	Birmingham ...	31·0	-2	ESE	3	b	55	75	48	7	-	-	-	0	0	-	0	*
	Upper Heyford	31·0	-2	E'S	2	b	53	75	44	7	-	-	-	0	0	-	0	*
4	Ross-on-Wye	29·9	-6	E	2	b	56	65	45	7	-	-	-	0	0	-	0	*
5	Hartland Point	27·4	-6	NE	3	b	54	75	46	8	-	-	-	0	0	-	0	2
	Bristol ...	30·0	0	E	1	Zo	53	75	46	6	1	-	-	0	0	-	0	*
	Portland Bill ...	27·8	-12	E	3	b-bc	53	85	49	8	5	-	-	2-3	2-3	4000	1	3
	Plymouth ...	27·5	-12	E'S	4	b	55	75	48	8	-	-	-	0	0	-	0	1
	The Lizard ...	25·8	0	E	5	b	54	92	52	8	-	-	-	0	0	-	0	4
	Scilly (St. Mary's)	25·3	-4	ENE	4	Zo	54	85	51	6	-	-	-	0	0	-	0	4
	Guernsey ...																	
6	Pembroke ...	28·5	-10	ESE	4	b-bc	59	65	46	7	-	7	-	0	2-3	-	0	1
7	Holyhead (Valley)	29·3	-6	ENE	1	b	59	65	46	7	-	-	-	0	0	-	0	1
	Chester (Sealand)	30·3	-6	SE	1	b	51	85	47	5	-	-	-	0	0	-	0	*
8	Manchester ...	30·4	-10	SSE	2	Zo	54	75	46	6	-	-	-	0	0	-	1	*
10	Spurn Head ...	32·3	-2	SE	2	b	52	85	48	7	-	-	-	0	0	-	0	2
	Catterick (Sc.)...	32·2	-4	-	0	Zo	51	85	47	5	-	-	-	0	0	-	0	*
	Tynemouth ...	32·3	-2	SSE	2	Zo	51	75	44	6	-	4	-	0	2-3	-	0	2
11	St. Abbs Head	31·2	0	WNW	3	bc	47	97	46	5	2	-	-	4-6	4-6	3500	0	2
	Leuchars ...	32·5	+2	-	0	bc	51	85	47	7	1	-	-	4-6	4-6	4000	0	*
12	Renfrew (Abbotts I.)	31·8	-6	-	0	m	44	92	41	4	-	-	-	0	0	-	0	*
	Eskdalemuir ...	30·2	-14	NW'N	1	b	53	65	42	8	-	-	-	0	0	-	0	*
	Point of Ayre...	30·3	-6	E	2	b-bc	52	85	48	8	5	-	-	2-3	2-3	2000	0	1
13A	Tiree	30·6	-12	ENE	1	b/f	50	92	47	9	-	4	-	0	Tr	-	0	1
13B	Stornoway ...	31·3	-18	ESE	2	b	47	92	45	8	1	-	1	Tr	1	1500	1	1
15	Dalwhinnie ...	32·5	-12	SW	2	b	49	75	42	8	1	-	1	Tr	1	2500	1	*
	Aberdeen † ...	32·9	0	ENE	2	c	51	85	47	8	5	3	-	Tr	9+	1500	0	1
	Wick ...	32·5	-6	NE	1	f-t	48	92	46	2	5	-	-	7-8	7-8	700	0	*
16	Sumburgh ..	33·1	-4	ENE	1	bc	48	85	44	8	5	3	-	2-3	4-6	1500	1	2
17	Blacksod Point	29·0	-10	ESE	2	b	55	75	48	8	-	-	-	0	0	-	0	2
18	Malin Head ...	29·0	-12	SE	3	b	52	75	45	8	-	-	-	0	0	-	1	2
	Aldergrove ...	30·0	-12	ENE	1	b	55	75	47	8	-	-	-	0	0	-	1	*
19	Birr Castle ...	29·5	-10	N	1	b	53	85	49	8	-	-	-	0	0	-	1	*
20	Valentia Obsy.	23·9	-22	E'S	4	b-bc	61	55	46	8	7	3	1	Tr	2-3	4000	1	3
	Roches Point	26·1	-12	E	3	b	55	85	51	8	-	-	-	0	0	-	0	2*

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 17th Hrs. (38)
1	London (Kew)	71	49	36	-	-	12·3
	Croydon ...	71	44	36	-	-	13·9
	S. Farnborough	72	47	38	-	-	13·1
	Boscombe Down	70	45	41	-	-	13·2
	Thorney Island	66	46	37	-	-	*
	Lympne ...	64	47		-	-	14·1
	Manston ...	63	49	44	-	-	14·0
2	Shoeburyness ...	61	46	42	-	-	13·
	Felixstowe ...	63	48	45	-	-	13·
	Gorleston ...	62	51	45	-	-	14·4
	Mildenhall ...	72	41	36	-	Tr	13·8
	Cranwell ...	71	43	40	-	-	14·2
3	Birmingham ...	71	50	39	-	-	9·9
	Upper Heyford	71	46	35	-	-	*
4	Ross-on-Wye	71	47	39	-	-	13·7
5	Hartland Point	59	51	48	-	-	13·4
	Bristol ...	71	45	34	-	-	13·1
	Portland Bill ...	59	51	*	-	-	*
	Plymouth ...	66	51	39	-	-	14·2
	The Lizard ...	60	51	*	-	-	14·4
	Scilly (St. Mary's)	63	51	*	-	-	13·7
	Guernsey ...						
6	Pembroke ...	64	49	*	-	-	13·2
7	Holyhead (Valley)	68	51	47	-	-	*
	Chester (Sealand)	71	45	36	-	-	14·4
8	Manchester ...	70	46	37	-	-	*
10	Spurn Head ...	57	50	*	-	-	11·7
	Catterick (Sc.)...	72	44	38	-	-	5·3
	Tynemouth ...	60	48	44	-	-	*
11	St. Abbs Head	59	46	*	0·3	-	*
	Leuchars ...	69	42	31	Tr	-	6·8
12	Renfrew (Abbotts I.)	67	38	30	-	-	10·9
	Eskdalemuir ...	67	36	32	0·1	-	10·2
	Point of Ayre...	61	40	*	-	-	11·8
13A	Tiree	56	40	34	-	-	12·0
13B	Stornoway ...	57	38	34	0·6	Tr	3·9
15	Dalwhinnie ...	64	29	22	-	1	8·2
	Aberdeen † ...	61	43	30	Tr	-	4·9
	Wick ...	51	46	45	Tr	-	*
16	Sumburgh ..	49	39	26	0·1	-	0·5
17	Blacksod Point	63	47	*	-	-	*
18	Malin Head ...	68	47		-	-	12·8
	Aldergrove ...	69	45	36	-	-	13·3
19	Birr Castle ...	71	44	40	-	-	13·9
20	Valentia Obsy.	67	51	43	-	-	14·8
	Roches Point	69	54	*	-	-	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 17th May ... 18h. G.M.T.	01h. G.M.T. 18th May ... 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
10552 51645 25258	5- 52638 00058	52 52638 00058	02 51618 10158
115 - - 67109 20369			
20370 01854 20454			
20624 01953 22354	44 01961 20114	00 01890 28113	5- 05647 28127
21087 02855 25267	24 01961 28113	13 02861 14115	5- 00851 00002
21955 02856 21341	50 02955 23525	50 01851 00013	50 01951 08313
23082 00551 20301	04 00990 20101	00 00890 00000	00 01890 00001
24573 02974 21226	24 05761 07313	54 00761 01102	50 01865 06313
26003 05790 22212	00 00890 24200	00 00790 24100	00 05590 00000
27814 01851 08211	04 01890 22201	00 00890 24100	00 17790 00000
279	04 01990 21302	00 05590 02100	00 00790 02210
28513 01853 20314			
288	03 17490 02315	03 05690 20113	00 05690 00010
57851 01863 00013	10 01863 00013	00 05690 00000	50 01861 00001
30008 01790 28213	04 05690 31203	00 05690 04100	00 08490 10100
32204 01790 32125	03 01790 10213	00 05690 10110	00 05690 10210
2.203 01790 30214	53 01752 14113	50 02955 22115	50 01752 16112
29214 01871 00023	53 01864 00014	04 05690 08112	00 05690 00000
310 - 01633 -----			-- 01622 08202
61400 05390 06100	53 00761 08213	00 05690 02100	00 08490 12100

13h. G.M.T. 17th May ... 18h. G.M.T.	01h. G.M.T. 18th May ... 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
33304 01890 28201	00 00890 26200	00 00690 00000	50 05663 14104
334 - 01871 28102			
34004 05690 00001	00 05690 32200	00 05690 08100	00 05690 10100
13624 01861 02211	04 01890 04201	00 05690 08100	04 01790 12201
33600 00790 04300	10 01762 12302		00 00790 04200
35004 05690 02213	00 00890 04200	04 01790 00001	00 05690 08100
36000 05630 20100	00 05690 20100	00 00690 00000	00 05690 06300
37000 05630 04300	00 00790 06200	00 05690 06200	00 00790 10200
39000 05690 00000	00 00800 10200	00 05690 00000	00 05690 08100
38800 05690 04200	00 00890 08200	00 04790 07100	00 00790 08200
438	00 00790 04300	00 00790 02500	00 00790 04900
43003 00890 16201	00 00890 10300	00 00790 06100	00 00790 05200
40900 00790 08300	00 00890 12200	00 00890 08400	00 00790 08300

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 18th May.
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 ...	bzy	bzy	bwzbw	Kew 24 hours ended Max. [illegible]
Croydon ...	by	by	bbwb	—
Greenwich ...	bzy	bzy	b	Min. [illegible]
Camden Square ...	bc	bc	*	0·3 5-7h 18th
Kensington ...	bz	bzb	*	0·1 9-24h 17th
Hampstead ...	bcm	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 ...	71	49	36	-	-	12·3	*	*
Croydon ...	71	44	36	-	-	13·9	*	*
Greenwich ...	71	46	34	-	-	13·4	42	58
Westminster ...	72	50	45	-			45	61
Regents Park ...	*	48	38	-	-		47	65
Camden Square ...	75	48	41	-	-	*	*	65
Kensington ...	74	48	37	-	-		53	57
Hampstead ...	70	46	39	-	-		*	63

SECRET

Page 1

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

Wednesday 19th May 1943. No. 29763

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

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)	28·3	-12	E'N	4	b	65	45	43	8	–	–	–	0	0	–
	Croydon ...	28·8	- 8	NE'E	4	b	64	45	43	8	–	–	–	0	0	–
	S. Farnborough	27·5	-16	E	4	b	67	45	42	8	–	–	–	0	0	–
	Boscombe Down	26·6	-18	E	3	b	69	45	49	7	–	–	–	0	0	–
	Thorney Island	26·6	-16	ESE	4	b	68	55	53	9	–	–	–	0	0	–
	Lympne ...	28·3	-14	E'N	4	b	61	45	38	8	–	–	1	0	1	–
	Manston ...	29·3	-10	NE'E	4	b-bc	57	65	47	8	1	–	5	Tr	2-3	1500
2	Shoeburyness ...	29·2	-10	NE	5	b-bc	58	75	49	8	–	–	5	0	2-3	–
	Felixstowe ...	31·0	-2	NE	4	b-bc	59	65	48	8	–	–	5	0	2-3	–
	Gorleston ...	31·1	- 6	E'N	5	b-bc	56	83	49	7	–	–	2	0	2-3	–
	Mildenhall ...	29·5	-12	E	4	b-bc	60	45	47	9	–	–	1	0	2-3	–
	Cranwell ...	29·5	-16	ESE	4	c-bc	68	65	54	8	–	–	6	0	7-8	–
3	Birmingham ...	28·2	-18	ESE	3	b	68	45	46	8	–	–	–	0	0	–
	Upper Heyford	28·1	-16	ESE	3	b	68	45	43	8	–	–	5	0	1	–
4	Ross-on-Wye	26·9	-20	E	3	b	69	55	51	8	–	–	–	0	0	–
5	Hartland Point	24·3	-16	ESE	4	b	65	55	49	7	–	–	–	0	0	–
	Bristol ...	26·8	-18	E	3	b	69	55	51	7	–	–	–	0	0	–
	Portland Bill ...	26·9	- 6	E	4	bc	58	75	52	8	5	–	–	4-6	4-6	4000
	Plymouth ...	25·6	- 4	E'S	5	b	65	65	52	8	–	–	–	0	0	–
	The Lizard ...	23·6	- 8	E	6	b-bc	58	85	54	8	4	–	–	2-3	2-3	3500
	Scilly (St. Mary's)	23·0	-12	E	5	Zo	61	75	54	6	–	4	–	0	1	–
	Guernsey ...															
6	Pembroke ...	25·7	-18	SE	6	b	60	75	52	7	–	–	–	0	0	–
7	Holyhead (Valley)	26·6	-20	N	2	b	71	55	51	7	1	–	–	Tr	Tr	5700
	Chester (Sealand)	27·5	-18	SSE	1	Zo	71	55	51	6	–	–	–	0	0	–
8	Manchester ...	28·3	-16	SE	3	b	69	55	51	8	–	–	–	0	0	–
10	Spurn Head ...	31·5	-4	ESE	2	bc	56	85	50	7	1	4	2	Tr	4-6	4000
	Catterick (Sc) ...	30·4	-10	SSE	2	b	67	55	49	7	2	–	–	Tr	Tr	5000
	Tynemouth ...	30·5	-10	SE	3	b	54	85	49	7	–	–	–	0	0	–
11	St. Abbs Head	30·7	-4	E	1	of	51	92	50	3	5	–	–	10	10	1500
	Leuchars ...	31·3	-8	ENE	4	Zo	55	75	47	6	5	–	–	4-6	9	400
12	Renfrew (Abbotsl.)	28·6	-20	E'N	1	Zo	68	55	50	6	–	–	–	0	0	–
	Eskdalemuir ...	27·2	-20	SE	1	b	68	35	39	8	1	–	–	Tr	Tr	4500
	Point of Ayre ...	28·1	-14	S	3	Zo	64	55	51	6	–	–	8	0	Tr	–
13A	Tiree	27·8	-20	SE	3	b	61	55	45	8	–	–	–	0	0	–
13B	Stornoway ...	28·6	-16	SE	2	b	54	65	43	9	–	–	–	0	0	–
15	Dalwhinnie ...	29·5	-4	S	3	b	64	45	41	8	1	–	–	Tr	Tr	4000
	Aberdeen ...	32·3	-6	SE'E	2	Zo	51	85	47	6	5	7	–	9	10	1500
	Wick ...	31·0	-10	ESE	3	cf	51	92	48	6	5	7	–	7-8	9	300
16	Sumburgh ...	33·0	0	SSE	3	bc	49	85	44	8	1	–	8	Tr	4-6	2500
17	Blacksod Point	21·8	-34	SE	3	b	66	65	54	7	–	–	–	0	0	–
18	Malin Head ...	26·2	-18	E'N	4	b	56	65	44	8	–	–	–	0	0	–
	Aldergrove ...	27·1	-16	ESE	2	Zo	67	45	48	6	–	3	–	0	1	–
19	Birr Castle ...	23·6	-26	SSE	3	bc	70	65	58	8	–	–	8	0	4-6	–
20	Valentia Obsy.	20·0	-14	SE'S	6	b	68	45	46	9	–	4	–	0	Tr	–
	Roches Point	23·7	-14	E	5	b	58	85	53	8	–	4	–	0	Tr	–

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

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	26·3	-12	E'N	5	b	62	56	46	8	–	–	–	0	0	–	0	*
	26·8	- 6	NE	4	b	59	75	50	8	–	–	–	0	0	–	0	*
	26·6	-4	E'N	4	b	62	45	43	8	–	–	1	0	Tr	–	0	*
	24·5	-8	E'N	4	b	66	45	41	8	–	–	6	0	Tr	–	0	*
	24·3	-10	ENE	4	b	66	45	44	9	–	–	–	0	0	–	0	*
	26·2	-14	NE'E	4	b	58	75	49	8	–	–	1	0	Tr	–	0	§4
	26·8	-16	NE	4	b-bc	55	75	49	9	–	–	8	0	2-3	–	0	*
2	27·3	-8	NE	5	b-bc	56	85	50	8	1	–	5	Tr	2-3	1000	0	*
	28·2	-18	NE	5	b	56	75	49	8	–	–	5	0	Tr	–	0	3
	29·1	-10	ENE	3	bc	55	85	48	8	–	–	–	0	0	–	0	3
	27·9	-6	E	4	b	62	55	47	9	–	–	1	0	1	–	0	*
	27·9	-6	ESE	4	b-bc	63	65	50	9	–	–	1	0	2-3	–	0	*
3	25·7	-10	ESE	4	b	68	45	46	8	–	–	–	0	0	–	0	*
	26·5	- 8	E'S	3	b	65	55	45	9	–	–	1	0	Tr	–	0	*
4	24·4	-12	E'S	3	b	69	45	46	8	–	–	–	0	0	–	0	*
5	21·9	-12	E	4	b	66	65	52	8	–	4	–	0	Tr	–	0	2
	24·2	-10	ESE	2	b	67	85	41	8	–	–	–	0	0	–	0	*
	24·1	-6	E	3	bc	56	75	50	8	5	–	–	4-6	4-6	4000	1	4
	23·3	-10	E'S	5	b	63	55	46	8	–	–	–	0	0	–	0	2
	21·5	-10	E	6	b-bc	57	85	51	8	4	–	–	2-3	2-3	3500	0	4
	21·3	-10	E	5	b	57	85	49	6	–	–	–	0	0	–	0	4
6	22·9	- 6	SE	4	b-bc	58	85	52	7	1	–	–	2-3	2-3	3000	0	2
7	23·5	-10	SSW	2	b	73	95	51	8	–	–	–	0	0	–	0	1
	24·9	-10	SSE	1	b	71	55	52	7	–	–	–	0	0	–	0	*
8	25·7	-12	ESE	4	b	69	55	51	8	–	–	–	0	0	–	0	*
10	29·4	- 6	SE'E	4	b-bc	53	85	48	7	7	–	–	2-3	2-3	4000	0	3
	27·8	-18	SE	4	b	66	55	47	8	–	–	–	0	0	–	0	*
	29·0	-12	SE	3	b-bc	52	85	47	7	–	4	–	0	2-3	–	0	3
11	27·8	-8	SE	3	bc	50	92	47	7	5	–	–	4-6	4-6	3500	0	3
	28·6	-16	NE	3	Zo	52	85	48	6	5	–	–	2-3	7-8	600	0	*
12	25·8	-12	ESE	3	Zo	64	65	51	6	–	–	–	0	0	–	0	*
	25·2	-16	E	3	b-bc	67	65	54	6	7	–	–	2-3	2-3	3500	0	*
	25·6	-16	SSE	2	Zo	61	75	53	6	–	–	–	0	Tr	–	0	1
13A	23·8	-22	SE'E	3	b-bc	61	65	47	8	–	8	–	0	2-3	–	0	2
13B	25·8	-12	–	0	b	58	75	49	8	–	–	–	0	0	–	0	1
15	26·5	-14	SSE	4	b	62	45	43	8	–	–	–	0	0	–	0	*
	30·1	-14	SE'S	3	Zo	52	85	47	6	5	3	–	9+	9+	2500	0	2
	28·6	-14	SE	3	b	49	85	46	8	–	–	–	0	0	–	0	*
16	31·2	-12	SE	4	b	49	85	44	8	*	–	–	0	0	–	0	2
17	18·6	-18	SE	4	b	64	65	52	8	–	4	–	0	Tr	–	0	4
18	22·1	-22	E'S	4	b	58	75	50	8	–	–	–	0	0	–	1	3
	23·5	-20	ESE	1	Zo	65	55	51	6	–	–	–	0	0	–	0	*
19	21·5	-12	SSE	4	bc	66	55	50	8	–	–	3	0	4-6	–	0	*
20	17·9	-14	SE'E	5	b-bc	65	55	49	9	1	4	9	Tr	2-3	2500	0	4
	20·9	-18	E'S	5	b	58	85	53	8	–	–	5	0	1	–	0	4

PAST 24 HOURS.

District	Weather. 7h.–13h. 18th (39)	Weather. 13h.–18h. 18th (40)	Weather. 18h. 18th to 1h. 19th (41)	Weather. 1h.–7h. 19th (42)
1	bczoby	by	bybec	bzo
	bmoby	byb	bcmo	bmowb
	bmobby	by	byb	bmowb
	bmobcb	by	byb	bmo
	by	byb	bw	bw
	pyvby	byb	b	bw
	bb	bcb	b	b
2	bbc	bc		bcb
	b	b	bbw	bwb
	bc	bc	bw	bc
	byb	bcbyv	bvb	b,cbcw
	bbcc	ccbc	bcvb	bmcfcmc
3	b	b	b	b,c
	bby	by	byb	bomocmo
4	bby	by	byb	bwcc
5	by	by	by	vb
	b	by	bybbmo	bmowbw
	bcbc	bcbc	b	bc
	b	b	b	b
	bbc	bbc	bcbw	bbcom
	bz	bz	bw	c,bw
6	bzc	bczo	bbc	bczo
7	by	by	byb	b
	bmomzoy	bzoy	bzob	bmocmmo
8	bzowby	by	bybw	bw
10	bc	bc	bc	c
	bmowbzo	by	bc	bcmoof
	bmo	b	bbcb	bbc
11	bcbmoof	ofbcmo	bcmoFmbc	bcmoFbcmo
	cmo	cmo	bcmocmo	cmoffbomo
12	bwmmozo	azoybybzo	cmbcm	cmmbcmo
	by	bbyzo	bcyzobc	bc
	bzo	b	bzo	b
13A	bby	by	b	bc
13B	b	byb	bybcc	cbcc
15	b	by		b,c
	cczo	czbczo	czom	cm
	cfc	cmobc	cmo	cmo
16	bc	bcb	b	bcc
17	b	b	bc	c
18	b	b	b	bc
	bbymo	byzo	bmo	bmobcmbc
19	bc	bc		c
20	b	b	r	r
	b	b	b	c

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

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England	Light or moderate east or variable wind; fine; fair; warm during the day; cool at night.
6 South Wales 7 North Wales 8 N.W. England	Moderate southeast to south wind; fine at first; occasional rain later perhaps with local thunder; warm.
9 N. Midlands ... 10 N.E. England	As 1-5.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate south to southeast wind fresh or strong locally on coasts veering south to southwest; fair at first; occasional rain later perhaps with local thunder; rather warm or warm but cool near east coast.
16 Orkneys and Shetlands	As 11-15.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate south to southwest winds; occasional rain at first; bright intervals and local showers later; local thunder; rather warm.

GENERAL INFERENCE

A ridge of high pressure covers England & Wales and a trough of low pressure over Ireland is moving northeast. Weather will be fair or fine in the East and South of England but there will be occasional rain in the North and West with local thunder.

FURTHER OUTLOOK

Local rain in the North and West. Fair and warm in the East and South.

Forecasts issued at 10·30

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

7h. Wednesday 19th May 1943.

10° 5°W. 0° 5°E. 10°

60° 55° 50°

1014 1016 1018 1020 1022 1024 1026 1028

1012 1010

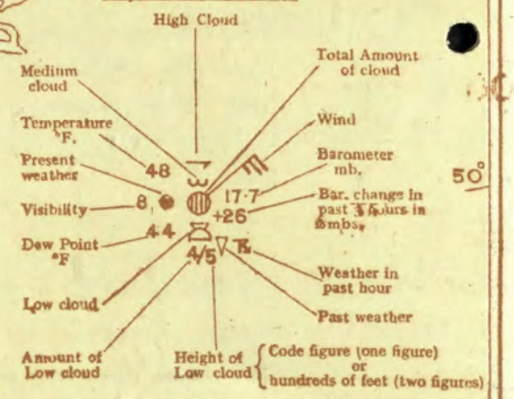
LOW

HIGH

5°W. 0° 5°E.

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

STATION MODEL



Scale 1 : 5,000,000

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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

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

Morning of

Wednesday 19th May,

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Wednesday 19th May 1943 — No. 2763

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	53	*	*	*	*	*	*	*	*	*
	Croydon ...	290	25·6	-10	NE'E	3	bc	52	92	51	6	5	-	-	4-6	4-6	800
	S. Farnborough	226	25·0	-12	E	2	b	51	92	49	7	-	-	-	0	0	-
	Boscombe Down	417	24·3	-6	E'N	3	b	50	92	48	8	-	-	-	0	0	-
	Thorney Island	10	24·2	-6	NE	3	b	52	92	50	8	-	-	-	0	0	-
	Lympne ...	283	25·2	-10	NE	5	b	53	85	49	8	-	-	-	0	0	-
	Manston ...	154	25·5	-10	ENE	4	b	52	92	50	8	-	-	5	0	1	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	26·7	-10	NE'E	5	b	52	92	50	8	5	-	-	Tr	Tr	2500
	Gorleston ...	5	27·6	-10	E	4	b-bc	51	85	48	7	1	-	-	2-3	2-3	2500
	Mildenhall ...	15	26·6	-14	E	3	b	48	92	46	8	-	-	-	0	0	-
	Cranwell ...	203	27·1	-10	E'S	3	b	45	97	44	8	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	25·9	-6	E	1	b	49	85	45	8	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	20·8	+8	E	3	b	55	75	47	8	-	-	1	0	Tr	-
	Bristol ...	209	24·5	-6	SE	2	Zo	51	85	47	6	-	-	-	0	0	-
	Portland Bill ...	32	22·2	-12	E	4	b	53	85	49	8	-	-	-	0	0	-
	Plymouth ...	82	21·9	-14	ESE	4	b	55	85	51	8	-	-	-	0	0	-
	The Lizard ...	240	20·8	-2	E	5	b	52	97	51	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	20·0	-6	SE'E	4	b	52	97	51	6	-	-	-	0	0	-
	Guernsey ...	175															
6	Pembroke ...	142	21·5	-6	SE'E	5	b-bc	55	85	49	8	1	4	-	1	2-3	3000
7	Holyhead (Valley)	32	22·8	-2	SE'S	3	b	58	75	49	8	-	-	1	0	Tr	-
	Chester (Sealand)	16	20·4	-2	SE'S	2	b	54	85	49	8	-	-	1	0	Tr	-
8	Manchester ...	235	25·9	-2	E	3	b	51	85	46	8	-	4	-	0	Tr	-
10	Spurn Head ...	29	28·3	-8	SE'E	4	b-bc	51	92	49	7	1	-	-	2-3	2-3	2500
	Catterick (Sc.)...	192	28·0	-2	S	2	b	47	85	43	7	-	-	-	0	0	-
	Tynemouth ...	108	28·2	-4	SE	4	b-bc	48	92	47	7	2	-	-	2-3	2-3	1500
11	St. Abbs Head	280	25·8	-4	SE	5	bc	46	97	46	7	5	-	-	4-6	4-6	2500
	Leuchars ...	36	26·7	-14	NE	2	Zo	47	97	46	6	5	-	-	10	10	400
12	Renfrew (Abbotsl.)	19	24·9	-6	E	2	m	50	92	48	4	5	7	-	2-3	4-6	1400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	24·1	0	SE	4	Zo	53	85	49	6	*	*	*	0	0	-
13A	Tiree	44	20·1	-16	SE	4	b	55	85	51	7	-	-	-	0	0	-
13B	Stornoway ...	15	21·9	-18	SE	1	c-bc	51	85	47	8	-	7	-	9	7-8	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	27·8	-14	SSE	5	do.	46	97	46	4	5	-	-	10	10	400
	Wick ...	114	25·9	-10	SE	5	c	47	92	46	6	5	-	-	10	10	500
16	Sumburgh ..	19	27·9	-18	SE'S	5	b	46	85	41	8	-	4	-	0	Tr	-
17	Blacksod Point	18	17·0	-10	S'E	2	bc	56	75	48	8	5	3	-	4-6	4-6	4000
18	Malin Head ...	84	19·4	-10	S'E	2	bc	58	75	50	8	-	-	5	0	4-6	-
	Aldergrove ...	268	21·5	-10	SSE	2	Zo	55	85	49	6	-	-	1	0	1	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	17·3	-6	SE'S	4	c/r	55	85	50	7	5	-	-	9+	9+	2500
	Roches Point	22	19·2	-10	S'E	4	c	54	97	53	8	5	-	-	9	9	1500

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

Barom. 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)
23·6	-6	E	3	Zo	57	75	49	6	-	-	-	0	0	-	0	*
24·3	-6	ENE	3	b	57	75	50	7	-	-	-	0	0	-	0	*
23·4	-10	E'S	3	b	55	85	49	7	-	-	-	0	0	-	0	*
22·7	-6	E	3	Zo	54	85	50	6	-	-	-	0	0	-	0	*
22·5	-2	E'N	4	b	57	75	50	7	-	-	-	0	0	-	1	*
24·2	-2	E'N	4	b	56	75	47	7	-	-	-	0	0	-	0	4
24·4	-6	E'S	4	b	54	85	48	8	-	-	1	0	Tr	-	0	*
25·2	-2	E'N	4	b	55	85	49	7	-	-	-	0	0	-	0	*
26·1	-6	E'N	5	b	55	75	57	8	-	-	-	0	0	-	0	4
26·8	0	ESE	4	bc	52	75	45	8	2	-	-	4-6	4-6	2500	0	3
25·5	-4	ESE	4	b-bc	53	85	48	8	5	-	-	2-3	2-3	800	0	*
25·7	-2	ESE	3	c-bc	52	85	49	7	5	-	-	7-8	7-8	90	0	*
24·1	-8	SE	3	c	49	92	47	6	5	-	-	9+	9+	1500	0	*
23·8	-10	E'S	3	bc	52	85	48	7	5	-	-	4-6	4-6	900	0	*
23·9	-10	ESE	2	c	53	85	49	6	5	-	-	9+	9+	1500	0	*
18·1	-8	ESE	4	b	57	85	53	8	-	4	-	0	Tr	-	0	3
23·1	-4	ESE	3	b	54	85	51	7	5	-	-	1	1	1500	0	*
21·1	+6	E	4	bc	55	85	51	8	5	-	-	4-6	4-6	4000	1	*
20·7	-4	SE	4	Zo	57	85	54	6	-	-	-	0	0	-	0	2
20·0	+4	E	3	m	54	97	54	4	5	-	-	10	10	1000	1	3
19·9	+4	W	2	c	53	97	52	7	5	6	-	7-8	9+	1200	0	3
20·2	-8	SE	4	b-bc	54	97	53	7	1	-	-	2-3	2-3	3000	0	2
20·3	-10	SE'S	2	b	61	65	49	8	-	-	9	0	1	-	0	1
23·3	-6	SE	3	c	51	85	47	6	5	2	-	7-8	10	2500	0	*
23·4	-16	SE	4	b	55	75	47	7	-	4	-	0	Tr	-	0	*
27·0	-2	SE	4	bc	51	85	47	7	7	-	-	4-6	4-6	1500	0	3
26·8	-8	SSE	2	c/f	49	92	47	6	5	-	-	9+	9+	600	0	*
27·2	-4	SSE	3	bc	49	92	47	7	2	-	-	4-6	4-6	2500	0	2
24·1	-8	SE	4	Zo	47	92	46	5	5	4	-	2-3	4-6	3500	0	3
23·9	-14	-	0	b-b/f	48	97	47	6	5	-	9	2-3	2-3	300	0	*
22·5	-14	NE	2	Zo	52	85	48	6	5	7	2	Tr	4-6	1400	0	*
24·2	-10	-	0	b	53	65	41	8	-	-	1	0	1	-	0	*
21·6	-10	S	6	b	52	85	48	8	4	-	5	Tr	1	2000	0	4
18·8	-14	SE	4	c-bc	54	85	50	7	5	4	-	4-6	7-8	3500	0	3
17·9	-18	SSE	5	c	57	75	49	8	-	1	9	0	9	-	0	2
22·0	-8	S	3	c-bc	48	85	44	8	5	-	2	4-6	7-8	1500	0	*
25·1	-14	S	3	m	46	97	45	4	5	-	-	10	10	450	0	2
22·7	-10	SE	4	Zo	47	92	46	6	5	-	-	10	10	300	0	*
24·8	-14	SSE	4	c	48	85	44	8	5	-	-	9+	9+	1500	0	3
15·2	-2	S	4	c	56	85	51	7	6	-	-	9+	9+	2500	0	3
16·7	-10	S'E	4	c-bc	57	75	49	8	5	-	3	4-6	7-8	2500	1	3
19·8	-2	SE	3	bc	55	75	48	7	5	-	6	Tr	4-6	2500	0	*
17·5	-2	S	2	c	56	85	51	8	5	-	5	4-6	9	2500	0	*
17·2	+6	S	4	id	54	97	53	6	5	-	-	10	10	800	1	3
18·6	+6	S	3	c	54	97	53	7	5	-	-	9+	9+	1500	0	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 18th Hrs. (38)
65	53	48	-	-	14·1
65	50	45	-	-	14·3
70	49	39	-	-	14·3
70	48	43	-	-	14·6
70	50	46	-	Tr	*
61	51		-	-	14·5
58	51	47	-	-	14·1
59	52	49	-	-	14·3
60	51	47	-	-	14·8
56	50	46	-	-	14·8
69	47	43	-	Tr	14·9
69	44	40	-	-	14·7
70	47	42	-	-	14·2
69	46	39	-	-	*
71	48	39	-	-	14·6
67	53	50	-	-	14·5
70	46	36	-	-	14·5
58	49	*	-	-	*
65	55	47	-	-	14·5
59	51	*	-	-	14·3
62	51	*	-	-	13·6
63	51	*	-	-	13·9
74	50	38	-	-	*
72	47	45	-	-	13·3
71	49	42	-	-	*
59	49	*	-	-	14·3
70	44	40	-	-	13·2
55	46	43	-	-	*
55	51	*	-	-	
56	46	46	-	-	6·0
69	48	41	-	-	11·9
72	41	36	-	-	13·2
66	51	*	-	-	14·0
65	52	50	-	-	13·8
60	47	43	-	-	14·5
66	46	43	-	-	13·3
53	45	45	-	-	3·7
51	44	44	-	-	*
51	46	40		-	14·7
68	50	*	-	-	*
69	54		-	-	14·4
68	52	47	-	-	14·3
71	51	45	-	-	13·8
68	54	52	-	0·4	13·7
59	52	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
13h. G.M.T. 18th May ..... 18h. G.M.T.					
109 52	21745	12458	52	02745	13528
115			54	01864	08114
203					
206 10	01861	06402	00	00790	04200
210 00	01890	12304	00	00890	12400
219 00	00390	12300	00	00990	08300
230 00	00390	00000	04	05890	24101
245 70	01743	06324	5-	02738	06318
260 00	05630	04300	5-	05535	04225
278 00	17690	13400	14	17762	12302
279 00	00790	28100	53	05676	19117
285 20	01754	10514			
288 10	01761	10212	00	00890	12300
575 10	01861	15101	00	01890	20201
301 03	05690	10301	00	00790	14300
321 00	01890	12204	00	01890	12311
2.. 54	01752	16313	04	01790	16213
292 00	00790	16100	00	01890	12303
310 --	01643	16413			
614 00	00790	06200	00	00850	08301
01h. G.M.T. 19th May ..... 07h. G.M.T.					
C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
02	02628	48528	5-	05528	50428
			53	02844	18126
57	05655	00016	54	05661	06116
53	01761	15201			
03	05690	13512	03	02790	14626
04	05690	06102	16	02853	10215
5-	21636	13258	5-	05637	14258
5-	41426	04246	5-	45390	04241
00	05690	13300	57	02851	45414
00	00790	06210	04	01990	13402
			2-	01636	12496
00	05590	00000	50	01853	14214
00	05690	00014	57	05644	18217
00	05690	-----	04	05690	10302
00	00790	10210	5-	02736	10346
			10	00752	16202
00	05690	12200	5-	05646	13126
			--	46209	16449
00	00890	08200	5-	05646	08227

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
13h. G.M.T. 18th May ..... 18h. G.M.T.					
333 10	01861	12301	00	00990	12300
334 --	00790	10201			
340 00	05690	10400	00	00890	12300
136 10	01951	08214	00	01990	10313
336 00	00790	12400	00	00790	12300
350 00	01890	08302	00	01890	08301
368 00	00790	04400	00	00790	10400
379 00	00890	10400	00	00890	10300
390			00	00890	10300
382 00	00890	10300	00	00890	
438 00	00890	04400	00	00890	04500
430 00	00890	06300	00	00890	04400
409 00	00890	11600	04	01890	11601
01h. G.M.T. 19th May ..... 07h. G.M.T.					
C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
00	01890	10301	00	01890	12203
			--	02634	04116
00	00790	10400	5-	05638	10328
50	01713	08303	00	00890	09310
			50	05654	12314
00	01890	08300	50	05633	08323
00	00790	08400	50	05643	08303
00	00890	08300	50	05624	08424
00	00790	07200	50	01721	10301
50	01743	11105			
40	01752	04512	00	00690	04500
00	00790	08300	00	00790	08300
43510	54	01751	11501		

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 19th May .....
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 ...	bczaby	by	bybeez
Croydon ...	bmaby	byb	bemawb
Greenwich ...	by	by	bcb
Camden Square	b	b	*
Kensington ...	b	b	*
Hampstead ...	bc	b	b

Atmospheric Pollution, Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. Time 0·3 6-24 Min. Time 0·1 10-24 19th 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 ...	65	53	48	-	-	14·1	*	*
Croydon ...	65	50	45	-	-	14·3	*	*
Greenwich ...	66	51	43	-	-	14·1	49	67
Westminster ...	66	53	48	-	-		52	76
Regents Park ...		52	46	-	-		53	71
Camden Square	70	51	46	-	-	*	*	71
Kensington ...	69	52	47	-	-		40	67
Hampstead ...	65	50	44	-	-		*	69

SECRET

Page 1

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

Thursday 20th May 1943 — No. 29764

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	21·9	-8	E	3	b	65	55	48	8	–	–	–	0	0	–
	Croydon ...	22·6	-6	ENE	3	b	70	55	54	8	–	–	–	0	0	–
	S. Farnborough	21·1	-10	ESE	3	b	74	45	53	8	1	–	–	Tr	Tr	4000
	Boscombe Down	21·0	-10	SE	3	b	73	45	53	7	1	–	8	Tr	Tr	2500
	Thorney Island	21·4	-6	ESE	3	b	71	55	53	7	1	–	–	Tr	Tr	4000
	Lympne ...	22·6	-10	NE	4	b	65	55	49	8	–	–	–	0	0	–
	Manston ...	23·1	-10	ENE	3	b	58	65	49	8	–	–	–	0	0	–
2	Shoeburyness ...	23·6	-4	ENE	4	b	58	75	50	8	–	–	–	0	0	–
	Felixstowe ...	24·4	-20	E'N	4	b	56	65	44	8	–	–	–	0	0	–
	Gorleston ...	25·4	-10	E'S	4	b	54	75	43	7	–	–	–	0	0	–
	Mildenhall ...	23·5	-12	SE'E	3	b	68	45	45	8	–	4	–	0	Tr	–
	Cranwell ...	22·6	-14	ESE	5	b	70	55	52	9	5	–	–	Tr	Tr	4000
3	Birmingham ...	21·2	-14	SE	3	b	69	55	54	8	1	–	1	Tr	1	4000
	Upper Heyford	21·4	-12	ESE	3	b	71	45	49	7	–	–	–	0	0	–
4	Ross-on-Wye	20·7	-12	SE	2	b	70	55	54	7	1	–	1	1	1	8500
5	Hartland Point	20·8	+1	WSW	3	c	58	85	53	7	5	–	–	9+	9+	3000
	Bristol ...	20·8	-10	E	2	b-bc	72	55	55	8	1	–	–	2-3	2-3	2500
	Portland Bill ...	21·1	-6	E	4	bc	57	85	53	8	1	–	–	4-6	4-6	4000
	Plymouth ...	21·3	+6	SSW	4	b-bc	59	85	55	7	1	–	6	1	2-3	2000
	The Lizard ...	21·0	+6	W	3	bc	58	86	54	8	7	4	–	4-6	4-6	3000
	Scilly (St. Mary's)	21·7	+6	W'S	3	bc	61	65	49	9	7	–	4	2-3	4-6	2300
	Guernsey ...															
6	Pembroke ...	21·2	+10	SW	1	bc	56	97	55	7	2	4	2	1	4-6	3000
7	Holyhead (Valley)	20·3	+2	WSW	3	b	60	75	51	7	–	–	9	0	1	–
	Chester (Sealand)	20·5	-18	SE	1	b	67	65	56	6	–	–	1	0	Tr	–
8	Manchester ...	20·9	-16	SSE	4	bc	70	55	51	7	1	6	1	2-3	4-6	4000
10	Spurn Head ...	25·1	-10	SE'E	5	b-bc	53	85	48	7	1	–	–	2-3	2-3	4000
	Catterick (Sc) ...	23·8	-16	SSE	3	b-bc	65	55	48	8	1	–	1	2	2-3	4000
	Tynemouth ...	23·7	-18	SE	5	b-bc	52	85	48	7	2	3	–	2-3	2-3	2100
11	St. Abbs Head	20·5	-24	SE	5	b-bc	51	97	50	6	1	4	–	2-3	2-3	4000
	Leuchars ...	20·6	-16	ESE	4	c-bc	59	75	49	7	–	–	8	0	7-8	–
12	Renfrew (Abbotsl.)	18·8	-20	S'W	3	c	68	55	50	7	8	1	6	4-6	9	2000
	Eskdalemuir ...	18·5	-14	SE'S	4	bc	67	55	54	8	8	–	–	4-6	4-6	2200
	Point of Ayre ...	20·5	-4	S'W	4	b	59	75	49	7	–	–	9	0	1	–
13A	Tiree	17·4	-2	S'E	4	c	55	85	51	6	5	3	–	7-8	9+	6000
13B	Stornoway ...	15·8	-2	SSE	5	c-bc	64	66	48	8	5	4	2	4-6	7-8	3200
15	Dalwhinnie ...	19·0	-14	S	4	c	63	55	46	8	5	4	9	2-3	9+	2500
	Aberdeen ...	22·6	-18	SSE	4	z_0	50	85	46	6	5	–	–	10	10	1500
	Wick ...	19·9	-14	S'E	4	z_0	52	85	47	6	–	3	9	0	7-8	–
16	Sumburgh ...	21·7	-14	SSE	6	z_0	49	85	45	6	5	–	–	10	10	900
17	Blacksod Point	15·4	+4	SSW	6	c	58	75	50	8	6	–	2	7-8	9	2500
18	Malin Head ...	16·2	-2	S	3	bc	64	65	52	8	8	–	–	4-6	4-6	2500
	Aldergrove ...	18·4	-4	S'E	2	c	60	85	54	7	5	–	–	10	10	2500
19	Birr Castle ...	17·5	0	S	2	c	64	65	52	8	5	–	–	9	9	2500
20	Valentia Obsy.	17·9	+6	SW	4	c	60	75	52	8	2	–	–	9+	9+	1500
	Roches Point	19·6	+6	SW	3	c	57	92	55	8	5	–	–	9+	9+	1500

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

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)	20·8	-6	ENE	3	b	66	35	38	8	–	–	–	0	0	–	0	*
	Croydon ...	21·6	-6	NE	3	b	65	55	50	8	–	–	–	0	0	–	0	*
	S. Farnborough	19·9	-2	E'N	3	b	70	55	42	9	1	–	–	Tr	Tr	4000	0	*
	Boscombe Down	20·1	0	SSE	3	b-bc	69	55	45	8	1	–	2	1	2-3	3000	0	*
	Thorney Island	19·8	-8	S	2	b	67	65	53	8	–	–	–	0	0	–	0	*
	Lympne ...	21·1	-10	NE	3	b	62	55	45	8	–	–	–	0	0	–	0	$\frac{1}{4}$
	Manston ...	22·0	-10	NE'E	4	b	57	65	46	8	–	–	–	0	0	–	0	*
2	Shoeburyness ...	22·4	-14	NE	4	b	57	75	49	8	–	–	–	0	0	–	0	*
	Felixstowe ...	22·3	-18	NE'E	4	b	56	75	47	8	–	–	–	0	0	–	0	3
	Gorleston ...	23·8	-12	E'N	4	b	54	85	48	7	–	–	–	0	0	–	0	4
	Mildenhall ...	21·7	-12	ESE	3	b	63	35	36	8	–	4	–	0	Tr	–	0	*
	Cranwell ...	20·9	-6	ESE	5	b	67	45	47	9	–	–	1	0	Tr	–	0	*
3	Birmingham ...	19·2	-8	SE	3	bc	71	45	50	8	8	–	1	4-6	4-6	4000	0	*
	Upper Heyford	20·6	0	SE'E	3	b	69	45	50	7	1	–	–	1	1	3500	0	*
4	Ross-on-Wye	18·8	-10	S	2	b-bc	71	55	53	8	1	–	1	2-3	2-3	4000	0	*
5	Hartland Point	20·8	0	W	2	bc	57	85	53	7	2	4	–	1	4-6	1500	0	2
	Bristol ...	19·6	-2	WSW	3	b	69	65	53	8	–	–	1	0	Tr	–	0	*
	Portland Bill ...	20·6	-6	E	3	bc	55	85	51	8	1	–	–	4-6	4-6	4000	1	4
	Plymouth ...	21·3	+2	SSW	3	z_0	57	97	56	7	5	7	–	7-8	9+	2000	0	1
	The Lizard ...	21·3	0	W	2	bc	58	85	52	9	7	4	–	4-6	4-6	3500	0	2
	Scilly (St. Mary's)	22·0	+2	SW'W	3	bc	58	85	54	9	1	4	–	Tr	4-6	2000	0	2
	Guernsey ...																	
6	Pembroke ...	21·2	+2	W'S	3	b-bc	54	97	53	7	2	4	–	2-3	2-3	3000	0	2
7	Holyhead (Valley)	20·2	-2	SSW	4	bc	57	75	50	7	5	3	–	4-6	4-6	2000	0	3
	Chester (Sealand)	19·3	-2	NW	2	c	60	85	54	7	8	–	–	9+	9+	3300	0	*
8	Manchester ...	18·9	-10	SE'S	3	bc	71	55	51	8	2	–	9	4-6	4-6	4000	0	*
10	Spurn Head ...	22·3	-18	SE'E	6	b-bc	51	85	48	7	7	–	–	2-3	2-3	4000	0	5
	Catterick (Sc) ...	21·7	-10	SSE	3	bc	62	65	48	7	–	–	9	0	4-6	–	0	*
	Tynemouth ...	21·7	-14	SE	5	bc	50	85	46	7	–	4	1	0	4-6	–	0	3
11	St. Abbs Head	19·3	+2	SE	4	bc	50	85	46	7	5	6	–	4-6	4-6	3500	0	4
	Leuchars ...	18·2	-10	SSE	2	c-bc	57	75	48	7	8	3	8	4-6	7-8	2500	0	*
12	Renfrew (Abbotsl.)	17·8	-6	SW	3	z_0	60	75	51	6	5	3	–	4-6	7-8	3500	0	*
	Eskdalemuir ...	17·8	-12	SW'S	3	c-bc	63	65	50	6	7	7	1	2-3	7-8	3400	0	*
	Point of Ayre ...	18·8	-8	SW	1	c	58	75	50	8	9	8	–	7-8	9	1500	0	2
13A	Tiree	15·9	-6	S'E	3	c	54	92	52	7	5	–	–	9+	9+	4500	0	3
13B	Stornoway ...	15·7	-2	SSW	5	z_0	58	75	48	7	5	3	9	4-6	7-8	4000	0	3
15	Dalwhinnie ...		-6	S	4	c-bc	59	75	51	7	8	–	–	7-8	7-8	2500	0	*
	Aberdeen ...	19·8	-16	S'E	4	c	50	75	42	7	5	7	6	Tr	9+	*	0	*
	Wick ...	12·7	-10	SSE	5	z_0	51	85	46	6	–	4	9	0	9+	–	0	*
16	Sumburgh ...	19·3	-10	S'E	5	c	48	85	46	8	5	9	9	Tr	9+	909	0	3
17	Blacksod Point	16·0	+2	S	6	c	55	85	51	8	6	–	–	10	10	2500	1	4
18	Malin Head ...	15·9	+2	SW'W	3	c-bc	59	75	52	8	8	–	–	7-8	7-8	2500	0	2
	Aldergrove ...	17·3	-2	SW'S	2	c	62	65	52	7	7	7	6	7-8	9	5300	0	*
19	Birr Castle ...	17·3	0	SSW	2	c-bc	68	65	51	8	5	–	–	7-8	7-8	2500	0	*
20	Valentia Obsy.	18·3	+6	SSW	4	c-bc	57	85	53	8	2	–	–	7-8	7-8	1500	1	3
	Roches Point	19·7	0	SSW	3	c-bc	57	92	55	8	5	3	–	4-6	7-8	1500	0	3

PAST 24 HOURS.

Stations. (For heights see p. 4.)	Weather. 7h.—13h. 19th (39)	Weather. 13h.—18h. 19th (40)	Weather. 18h. 19th to 1h. 20th (41)	Weather. 1h.–7h. 20th (42)
London (Kew)	by	by	bybw	bccbcbzcw
Croydon ...	by	by	bycmo	bcmbw
S. Farnborough	bby	by	bybbmo	bmo
Boscombe Down	bMob	bcyby	bybmobfgfbfbfbmocmo	
Thorney Island	bby	byb	bwmo	bwmo
Lympne ...	bby	by	bybbyb	bcb
Manston ...	b	by	b	bbcc
Shoeburyness ...	bbcb	b	bbc	bcmo
Felixstowe ...	b	b	b	bcc
Gorleston ...	bcb	b	bw	bwb
Mildenhall ...	bcbby	by	b	bbmow
Cranwell ...	cbyv	byv	byvbc	cbccmo
Birmingham ...	cb	bc	bc	bcz
Upper Heyford	bcbby	by	bybcb	bzcbcmocmow
Ross-on-Wye	ccbb	bybcy	bcb	bwcc
Hartland Point	bbc	cbc	bcbbc	cowf
Bristol ...	bby	bybcy	bbcmobmowbmowcmow	
Portland Bill ...	bcbc	bc	b	c
Plymouth ...	bmob	bcmo	b	bbccmo
The Lizard ...	cbc	bc	bcc	bffe
Scilly (St. Mary's)	cbc	bcbbc	bcc	c
Guernsey ...				
Pembroke ...	cbcmo	bcbbcmo	bcc	moffc
Holyhead (Valley)	b	b, cbc	b, cmf	efcmo
Chester (Sealand)	cmobcz$_0$	b, bcz$_0$y	cmo	cmob
Manchester ...	bbcy	bcy	bcycmow	cbmow
Spurn Head ...	bc	bc	bc	bc
Catterick (Sc) ...	cbcb	b	bcbmo	cmobcmo
Tynemouth ...	bc	bc	bcb cq	cmo
St. Abbs Head	bcmo	bcmo	bcmoprbcmobccbcmo	
Leuchars ...	bcmoc	cbcc	procmo	cbcbcmo
Renfrew (Abbotsl.)	wbcz$_0$c2oc	cyczyzfz$_0$bc$_0$	bcmow	croro fido
Eskdalemuir ...	bc	bcycz$_0$		cmo ido
Point of Ayre ...	b	bbcc	cb	bbcc
Tiree	bccmo	bccbc	c	c
Stornoway ...	cbcc	cz	cz$_0$	czoc
Dalwhinnie ...	c	c		coproc
Aberdeen ...	cmz$_0$c	cz$_0$bcc	cbcbw	bbczw
Wick ...	cmo	cmo	cbcmo	cmoccfo
Sumburgh ...	idocmo	cmoc	ebc	c
Blacksod Point	c	c	c	bc
Malin Head ...	bc	c	c	c
Aldergrove ...	c	ccmobcc	ccidoc	ccw
Birr Castle ...	c	c	c	c
Valentia Obsy.	r	pr	pr	r
Roches Point	d	c	c	bc

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England South Wales 7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ...	Light variable winds; mainly fair, risk of isolated thunderstorms at first; warm during day; cool at night.
13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Light southwest or variable winds; bright intervals, perhaps local thundery rain; rather warm, becoming cooler.
16 Orkneys and Shetlands	As 13B – 15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light variable or South wind, bright intervals, perhaps local thundery showers; warm

GENERAL INFERENCE

Pressure is becoming fairly uniform over the British Isles; weather will be mainly fair and warm but there is a risk of isolated thunderstorms at first.

FURTHER OUTLOOK

Mainly fair and warm over most of the British Isles.

Forecasts issued at 10·30

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

7h. Thursday 20th May. 1943.

LOW

HIGH

HIGH

1016 1018 1020 1022 1024 1022

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

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Weather in past hour

Past weather

5°E. Scale 1 : 5,000,000

Mb In.

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Thursday 20th May

1943.

Lambert'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. 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 double summer time.

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

Thursday 20th May 1943 — No. 29764

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	56	*	*	*	*	*	*	*	*	*
	Croydon ...	290	21·5	-4	ENE	1	c-bc	52	92	50	6	6	-	-	7·8	7·8	6000
	S. Farnborough	226	20·8	0	-	0	Z_o	51	85	46	6	-	-	-	0	0	-
	Boscombe Down	417	21·2	0	WN	1	bf+	51	97	50	2	-	-	-	0	0	-
	Thorney Island	10	20·3	-2	NW	1	b	53	92	52	6	-	-	-	0	0	-
	Lympne ...	283	20·3	-6	E	3	c-bc	58	65	45	8	-	7	6	0	7·8	-
	Manston ...	154	21·0	-8	E'S	3	b	56	76	47	8	-	8	-	0	2	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	21·1	-6	E'N	2	b	54	85	49	7	-	-	-	0	0	-
	Gorleston ...	5	22·0	-8	SSE	1	b	53	86	49	7	-	-	-	0	0	-
	Mildenhall ...	15	21·2	-6	ESE	1	b	46	92	43	8	-	4	-	0	Tr	-
	Cranwell ...	203	21·1	-2	ESE	3	c-bc	49	85	44	8	5	-	-	7·8	7·8	4000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·0	+2	-	0	Z_o	53	75	44	6	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	21·6	0	SW	2	c-bc	53	97	53	8	5	-	-	7·8	7·8	2500
	Bristol ...	209	21·7	+4	SW	2	Z_o	51	92	49	6	-	-	-	0	0	-
	Portland Bill ...	32	20·6	+4	NE	3	b	53	85	49	8	-	-	-	0	0	-
	Plymouth ...	82	22·6	+6	NW	2	b	51	92	50	8	-	-	-	0	0	-
	The Lizard ...	240	22·8	+4	WNW	2	c	52	97	52	8	5	-	-	9	9	2000
	Scilly (St. Mary's)	163	22·6	+2	SW'N	3	c	55	97	54	7	5	-	-	9	9	1800
	Guernsey ...	175															
6	Pembroke ...	142	22·0	0	SSW	2	c	53	97	53	8	8	-	-	9+	9+	2500
7	Holyhead (Valley)	32	20·6	+2	SW'S	3	m/f	52	97	51	4	5	-	-	10	10	800
	Chester (Sealand)	16	20·9	+10	-	0	c	55	85	54	6	5	2	-	7·8	10	3000
8	Manchester ...	235	20·8	+6	N'N	2	Z_o	54	92	51	6	5	-	-	9	9	5700
10	Spurn Head ...	29	22·1	-6	SE'S	3	b-bc	52	85	46	7	7	3	-	2-3	2-3	4000
	Catterick (Sc.) ...	192	21·0	-6	S	2	bc	50	85	45	7	-	3	-	0	4-6	-
	Tynemouth ...	108	20·7	-4	SE	5	cq	54	65	43	7	5	-	-	7·8	9+	2500
11	St. Abbs Head	280	17·9	-4	S	3	c/f	52	92	50	6	5	4	-	7·8	9+	2500
	Leuchars ...	36	18·3	+2	-	0	Z_o	50	85	46	6	5	3	-	2-3	7·8	3000
12	Renfrew (Abbotsl.)	19	18·3	+2	E	1	Z_o	51	92	49	5	-	3	-	0	4-6	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	18·2	+2	S	2	b	48	87	47	8	-	4	-	0	1	-
13A	Tiree	44	17·4	+4	SSW	3	c	52	92	50	7	5	-	-	9+	9+	4000
13B	Stornoway ...	15	16·0	+2	SSW	5	c	50	92	48	7	5	-	-	9+	9+	2800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	18·1	-8	-	0	Z_o	43	85	41	6	-	-	7	0	10	-
	Wick ...	114	16·5	+2	SSE	1	Z_o	49	92	47	6	-	-	2	0	4-6	-
16	Sumburgh ..	19	17·6	-8	S'E	3	c-bc	48	85	44	7	5	3	-	4-6	7-8	5000
17	Blacksod Point	18	17·9	+8	SW	1	c	54	85	50	8	8	-	-	10	10	2500
18	Malin Head ...	84	17·2	+6	W'S	2	c	54	85	50	8	8	-	-	9+	9+	2500
	Aldergrove ...	268	18·7	+6	S'W	1	c	55	92	53	7	5	2	-	7·8	9+	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	20·2	+2	S	3	c	53	92	51	8	5	-	-	9	9	2500
	Roches Point	22	20·9	+2	SW	3	bc	52	87	51	8	5	-	-	4-6	4-6	1500

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

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)	21·5	+8	NSW	1	Z_o	55	75	47	6	-	-	-	0	0	-	0	*
	Croydon ...	21·3	-2	NSW	1	Z_o	55	75	49	6	-	-	-	0	0	-	0	*
	S. Farnborough	21·3	+6	WNW	1	Z_o	52	85	46	6	-	-	-	0	0	-	0	*
	Boscombe Down	21·8	+8	NW	2	Z_o	54	97	51	6	5	-	-	3+	3+	600	0	*
	Thorney Island	20·8	+2	W'N	1	Z_o	56	85	52	6	-	-	-	0	0	-	0	*
	Lympne ...	20·0	+2	S'E	1	b	63	65	51	6	-	-	-	0	0	-	0	* 2
	Manston ...	20·4	-2	E'S	1	b-bdp	59	75	49	7	1	-	-	2-3	2-3	5700	0	*
2	Shoeburyness ...	20·8	+2	-	0	Z_o	56	85	53	6	-	4	-	0	1	-	0	*
	Felixstowe ...	20·8	+2	NE'E	3	c	57	85	53	7	5	3	-	2-3	10	4000	0	1
	Gorleston ...	21·5	+4	SSE	2	b	55	75	48	7	-	-	-	0	0	-	0	2
	Mildenhall ...	20·8	-2	-	0	Z_o	51	85	47	6	5	4	-	Tr	Tr	5700	0	*
	Cranwell ...	21·1	-2	-	0	Z_o	55	65	45	6	1	3	-	Tr	2-3	2500	0	*
3	Birmingham ...	20·9	+2	N	2	Z_o	56	85	51	5	5	-	-	7·8	7·8	5700	0	*
	Upper Heyford	20·8	+4	NW	2	Z_o	55	85	51	6	5	-	-	2-3	2-3	5000	0	*
4	Ross-on-Wye	21·9	+6	NW	2	b	53	85	47	8	5	-	-	1	1	3000	0	*
5	Hartland Point	21·0	+6	SW	2	f+	53	97	53	5	-	-	-	10	10	150	1	2
	Bristol ...	22·5	+10	W	3	Z_o	54	85	50	6	5	-	-	2-3	2-3	4000	0	*
	Portland Bill ...	21·7	+8	NW	3	c-bc	54	85	50	8	5	4	-	4-6	7·8	4000	1	3
	Plymouth ...	23·2	+6	-	0	Z_o	53	97	52	5	5	-	-	3+	3+	2500	0	1
	The Lizard ...	22·9	0	-	0	of	54	97	54	2	5	-	-	10	10	400	1	2
	Scilly (St. Mary's)	23·2	+6	W	2	c-bc	54	97	52	8	5	4	-	7·8	7·8	1800	0	2
	Guernsey ...																	
6	Pembroke ...	22·3	+4	WNW	2	c/f	51	97	51	6	8	-	-	9	9	2500	0	1
7	Holyhead (Valley)	21·7	+12	S	2	Z_o	53	97	51	6	5	-	-	3+	3+	2500	1	2
	Chester (Sealand)	21·3	+6	-	0	b	58	75	51	7	7	-	-	Tr	Tr	3500	0	*
8	Manchester ...	21·0	+2	SW'S	2	Z_o	56	85	51	6	-	4	-	0	1	-	0	*
10	Spurn Head ...	21·2	0	SE'E	2	b-bc	53	92	51	7	7	3	-	2-3	2-3	4000	0	2
	Catterick (Sc.) ...	21·6	+6	SSE	1	Z_o	53	85	48	6	1	3	-	1	4-6	4500	0	*
	Tynemouth ...	21·0	+4	SW	3	m	53	85	47	4	8	-	-	7·8	7·8	2000	0	2
11	St. Abbs Head	19·1	+12	-	0	b-bc	55	85	50	6	1	4	-	2-3	2-3	4000	0	2
	Leuchars ...	19·0	+6	-	0	Z_o	54	85	51	5	-	3	-	0	7·8	-	0	*
12	Renfrew (Abbotsl.)	19·5	+8	-	0	c/d	53	92	52	5	5	2	-	7·8	10	2000	1	*
	Eskdalemuir ...	19·7	0	SW'W	2	id.	52	85	47	6	5	-	-	10	10	300	0	*
	Point of Ayre ...	20·3	+12	S'E	1	c/f	52	97	51	8	5	-	-	3+	3+	4500	0	1
13A	Tiree	18·5	+10	SW	2	c	53	92	51	7	5	-	-	4-6	3+	900	0	2
13B	Stornoway ...	16·7	+4	SSW	5	Z_o	53	85	49	8	5	3	-	4-6	3+	2500	0	3
15	Dalwhinnie ...	19·0	+8	SSW	2	c	51	92	49	6	5	-	-	3+	3+	1500	1	*
	Aberdeen † ...	18·6	+8	E	1	m	51	85	46	4	-	3	-	0	4-6	-	0	1
	Wick ...	17·9	+10	NW	1	c	54	85	50	9	5	3	-	4-6	3+	4000	0	*
16	Sumburgh ..	17·7	+10	SSW	3	Z_o	49	92	47	6	5	3	-	7·8	3+	3000	0	3
17	Blacksod Point	19·2	+16	SW	3	bc	53	85	48	7	8	-	-	4-6	4-6	1500	0	3
18	Malin Head ...	18·5	+10	SW	2	c	54	85	49	8	8	-	-	10	10	2500	0	1
	Aldergrove ...	20·4	+10	SW	2	c	53	85	48	7	5	-	-	3+	3+	4500	1	*
19	Birr Castle ...	20·6	+10	S	1	c	53	85	49	8	5	1	-	7·8	3+	2500	0	*
20	Valentia Obsy.	21·1	+8	SW	3	c	55	97	54	7	8	-	-	10	10	4000	1	2
	Roches Point	21·6	+6	SW	2	bc	55	92	53	8	5	-	-	4-6	4-6	2500	0	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 18 Hrs. (38)
1	London (Kew)	69	49	36	-	-	13·3
	Croydon ...	71	47	41	-	-	14·4
	S. Farnborough	75	46	37	-	-	14·0
	Boscombe Down	74	47	42	-	-	13·8
	Thorney Island	73	49	41	-	-	*
	Lympne ...	66	55		-	-	14·4
	Manston ...	62	53	48	-	-	13·9
2	Shoeburyness ...	59	47	42	-	-	13·9
	Felixstowe ...	58	50	41	-	-	13·5
	Gorleston ...	54	51	40	-	-	14·4
	Mildenhall ...	70	41	35	-	Tr	14·7
	Cranwell ...	72	45	39	-	-	14·0
3	Birmingham ...	73		43	-	-	10·1
	Upper Heyford	73	47	36	-	-	*
4	Ross-on-Wye	74	53	44	-	-	10·3
5	Hartland Point	62	52	50	-	-	9·5
	Bristol ...	74	50	45	-	-	13·3
	Portland Bill ...	57	51	*	-	-	*
	Plymouth ...	67	48	39	-	-	11·4
	The Lizard ...	59	50	*	-	-	10·6
	Scilly (St. Mary's)	62	51	*	1	-	6·9
	Guernsey ...						
6	Pembroke ...	58	50	*	-	Tr	6·7
7	Holyhead (Valley)	67	50	48	-	-	*
	Chester (Sealand)	73	50	42	-	-	6·0
8	Manchester ...	73	52	46	-	-	*
10	Spurn Head ...	54	50	*	-	-	12·3
	Catterick (Sc.) ...	67	48	45	-	-	8·6
	Tynemouth ...	52	50	48	-	-	*
11	St. Abbs Head	53	48	*	-	Tr	
	Leuchars ...	63	44	35	-	-	9·4
12	Renfrew (Abbotsl.)	70	48	38	-	0·5	8·6
	Eskdalemuir ...	68	46	41	-	Tr	11·4
	Point of Ayre ...	64	47	*	-	-	12·4
13A	Tiree	57	51	49	-	-	6·9
13B	Stornoway ...	65	49	48	-	-	8·5
15	Dalwhinnie ...	65	49	44	-	0·4	9·6
	Aberdeen † ...	52	42	35	-	-	1·0
	Wick ...	52	46	40	-	-	*
16	Sumburgh ..	50	47	41	-	Tr	1·6
17	Blacksod Point	59	51	*	-	Tr	0·1
18	Malin Head ...	65	52		-	Tr	6·0
	Aldergrove ...	65	51	44	-	0·4	10·0
19	Birr Castle ...	60	47	39	-	-	4·2
20	Valentia Obsy.	62	52	49	1	2	3·5
	Roches Point	59	51	*	0·2	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
13h. G.M.T. 19th May			18h. G.M.T.			01h. G.M.T. 20th May			07h. G.M.T.		
109 53	05544	49626	57	05643	50627	50	01664	19124	57	05564	16227
115			54	02844	20327	52	02744	20267	52	02844	20327
203			51	02845	16438	5-	03548	16328	5-	02845	16425
206 14	02862	12425	6-	02764	22425	43	01762	00014	53	02863	00026
210 04	02890	14425	53	02761	14427	03	01790	18213	53	02862	20126
219			57	05774	16418	57	02765	18428	5-	58628	18358
230 18	05865	17127	48	05765	17126	57	22654	22168	57	02766	00028
245 5-	02747	12327	5-	02753	17228	54	05641	01123	03	05690	23214
260 10	01864	16114	00	05690	51414	00	05690	00014	50	01864	20114
278 18	02761	13417				57	02754	12216	5-	02757	14227
270 54	01762	23313	23	17863	20426	50	01761	20313	54	05655	13126
286 13	01854	12414							23	05634	32414
288 10	01861	14312	03	01890	13312	03	02890	23115	50	01762	18112
575 5-	02867	19167	5-	02865	18225	53	02855	16127	57	02855	18327
301 00	17590	11401	13	02762	26317	5-	05665	20265	5-	05648	15128
321 14	01862	12413	10	01851	12312	04	01790	12211	20	08481	00024
2.2			04	00790	12301	04	00690	14401	--	46209	18249
292 10	01861	14212	03	01890	12312	13	01744	14114	08	05690	00015
310 00	00790	12300							--	01633	24113
314 17	01761	12302	00	01890	13201	50	05663	10113	5-	43357	28227

IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
13h. G.M.T. 19th May			18h. G.M.T.			01h. G.M.T. 20th May			07h. G.M.T.		
333 04	01790	20411	5-	02767	20327	53	02624	19225	5-	05627	14128
334 --	05653	28214							--	02645	28217
340 7-	05645	12425	86	01852	18314	5-	08468	28128	50	01763	22113
136 00	00990	10300	04	01890	12301	04	01790	12217	08	01790	12102
336 13	01754	12315	53	02753	20316				57	02654	32327
350 04	01890	11301	02	01890	10301	50	01861	00001	50	05663	28113
368 23	01753	08414				00	05690	26310	53	09644	24245
379 10	05662	14402	8-	02765	10315	00	05690	18200	53	05654	30315
390 00	00890	06400	00	00890	09490	03	05690	18214	00	05690	00010
382						00	05690	16100			
438 00	00790	04400	00	00790	04500	03	01790	06203	10	10763	22313
430 10	01761	03401	00	00790	12200	00	05690	32100	00	05690	22101
409 5-	02765	25325	54	01862	26313	5-	05667	00027	5-	47108	22248

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 20th May
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 ...	by	by	bybwZow	Kew 24 hours ending 9h. 62 17h 26 Min. Thurs 19th
Croydon ...	by	by	bycMobw	
Greenwich ...	by	by	bcbZoy	
Camden Square ...	b	b	*	
Kensington ...	b	b	*	
Hampstead ...	b	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 ...	69	49	36	-	-	13·3	*	*
Croydon ...	71	47	41	-	-	14·4	*	*
Greenwich ...	66	48	34	-	-	13·3	42	58
Westminster ...	69	51	45	-			52	64
Regents Park ...	*	49	40	-	-		38	59
Camden Square ...	78	51	43	-	-	*	*	81
Kensington ...	71	49	38	-	-		43	54
Hampstead ...	68	49	41	-	-		*	71

SECRET

Page 1

BRITISH SECTION

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

Friday 21st May 1943

No. 25765.

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

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)	20·3	-4	WNW	2	c-bc	72	45	52	7	2	–	–	7-8	7-8	4000
	Croydon ...	20·9	-6	WSW	2	c-bc	73	45	53	7	2	–	–	7-8	7-8	3000
	S. Farnborough	20·6	-4	NNW	2	c-bc	70	55	54	7	2	–	–	7-8	7-8	4000
	Boscombe Down	21·7	-2	NW'W	3	bc	68	45	48	7	2	–	–	4-6	4-6	3000
	Thorney Island	21·1	0	W'N	3	bc	72	55	56	6	2	–	–	4-6	4-6	4000
	Lympne ...	20·8	+2	S'E	2	b	70	65	56	7	1	8	–	1	1	3500
	Manston ...	20·2	0	SE'S	1	z_o	68	65	56	6	–	8	–	0	1	–
2	Shoeburyness ...	19·9	-4	S	2	z_o	64	75	57	6	–	3	–	0	2-3	–
	Felixstowe ...	20·5	-4	E'S	3	z_o	61	75	53	6	–	4	–	0	Tr	–
	Harleston ...	21·5	0	E'S	1	bc	58	76	50	7	5	7	–	2-3	4-6	2000
	Mildenhall ...	19·6	-8	NNE	1	bc	77	35	45	8	–	3	–	0	4-6	–
	Cranwell ...	20·4	-4	NW	3	z_o	71	55	55	6	2	–	9	7-8	7-8	2500
3	Birmingham ...	21·4	0	NNW	1	c-bc	64	55	49	8	5	–	–	7-8	7-8	4000
	Upper Heyford	20·8	0	NW'W	3	z_o	66	65	53	6	7	–	–	9	9	3400
4	Ross-on-Wye	21·5	0	W	3	c	66	55	48	9	7	–	–	9	9	3500
5	Hartland Point	23·1	+2	WNW	2	bc	57	92	54	8	5	4	1	4-6	4-6	2000
	Bristol ...	22·3	0	W	4	bc	66	65	53	8	2	6	–	4-6	4-6	2800
	Portland Bill ...	23·1	+4	WSW	3	bc	56	85	52	8	2	4	–	4-6	4-6	4000
	Plymouth ...	24·1	+4	SW	2	c-bc	60	85	56	8	8	3	–	2-3	7-8	2000
	The Lizard ...	24·0	+2	W	2	bc	61	85	56	8	8	7	–	4-6	4-6	2500
	Scilly (St. Mary's)	24·4	+8	W'S	2	pr	59	75	51	8	9	4	–	7-8	9+	1000
	Guernsey ...															
6	Pembroke ...	23·6	0	WSW	2	c-bc	55	92	51	8	8	7	–	Tr	7-8	2500
7	Holyhead (Valley)	22·5	+2	SSW	1	bc	58	85	54	8	8	6	–	4-6	4-6	2000
	Chester (Sealand)	21·9	+10	NW	3	c	59	75	50	8	5	–	–	9+	9+	2500
8	Manchester ...	21·2	-2	W'N	4	c	65	65	50	8	2	6	–	7-8	9	3000
10	Spurn Head ...	21·0	-2	ESE	2	c-bc	58	86	52	7	7	3	–	4-6	7-8	4000
	Catterick (Sc) ...	20·6	-4	W	2	c-bc	69	55	54	8	1	6	–	4-6	7-8	4000
	Tynemouth ...	21·6	+4	SE	3	z_o	60	75	50	6	2	3	–	4-6	4-6	2000
11	St. Abbs Head	20·1	+8	ESE	2	c-bc/pr	58	85	53	7	5	6	–	4-6	7-8	3500
	Leuchars ...	20·1	+4	SSW	2	c	66	55	49	8	8	3	–	7-8	9	4500
12	Renfrew (Abbotsl.)	20·6	+4	SW'S	2	c	64	55	47	8	7	3	–	2-3	9	2500
	Eskdalemuir ...	21·1	+6	SSW	2	c-bc	59	75	51	7	5	3	–	7-8	7-8	2200
	Point of Ayre ...	21·9	+4	N'W	1	c-bc	60	75	51	8	8	3	–	4-6	7-8	2500
13A	Tiree	20·8	+6	SSW	2	c-bc	58	85	52	8	8	6	–	7-8	7-8	3200
13B	Stornoway ...	19·8	+14	S	3	c	56	85	51	8	5	7	–	9+	9+	1500
15	Dalwhinnie ...	20·0	+10	SW	1	0	52	85	48	8	5	–	–	10	10	2500
	Aberdeen ...	20·1	+6	S	1	$r_o r_o$	50	75	51	5	4	7	–	4-6	10	4000
	Wick ...	19·8	+14	NNE	2	c	59	75	52	9	5	3	–	2-3	9+	4000
16	Sumburgh ...	20·0	+12	SW'S	3	c	53	85	48	7	5	3	–	Tr	9+	3000
17	Blacksod Point	20·6	+6	WSW	3	c-bc	58	75	50	7	8	3	–	4-6	7-8	2500
18	Malin Head ...	20·5	+10	N'E	1	c-bc/r	55	85	51	8	8	–	–	7-8	7-8	2500
	Aldergrove ...	21·4	+2	W'S	1	c	57	75	49	7	5	2	–	4-6	10	2000
19	Birr Castle ...	21·3	-2	S	1	c	63	65	51	8	8	2	–	7-8	10	1500
20	Valentia Obsy.	21·9	+6	SW	3	c	57	85	53	8	8	–	–	9+	9+	4000
	Roches Point ...	22·6	+4	SSW	3	bc	60	85	56	8	2	–	5	2-3	4-6	1500

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

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	20·0	0	NW	3	bc	70	55	52	7	1	–	4	Tr	4-6	4000	0	*
	20·5	-2	W'N	3	c	70	55	54	6	2	–	6	2-3	9+	3000	0	*
	20·4	0	WNW	3	c	69	45	48	8	4	–	4	Tr	9	3500	0	*
	21·5	+2	NW'N	3	c	65	65	51	8	4	7	8	2-3	9	3500	0	*
	20·6	-2	WSW	4	c	65	66	54	8	1	–	2	1	9	4000	0	*
	20·6	+4	S	2	c-bc	61	85	55	7	–	8	4	0	7-8	–	0	4
	19·8	0	S'W	3	z_o	67	65	52	6	2	–	6	1	4-6	7200	0	*
2	19·3	-6	–	0	z_o	63	75	57	6	2	–	2	2-3	4-6	4000	0	*
	19·3	-8	ENE	1	bc	60	85	54	7	–	7	8	0	4-6	–	0	0
	19·9	-4	–	0	z_o	57	85	51	6	–	7	–	0	4-6	–	0	2
	18·8	+2	N'W	3	c-bc	71	45	51	8	2	–	–	7-8	7-8	4000	0	*
	20·4	+4	WNW	2	cl	65	65	54	6	2	–	–	10	10	3500	0	*
3	21·0	0	NW	3	bc	64	65	52	7	7	–	1	2-3	4-6	4000	0	*
	20·2	-2	NW'N	2	c-bc	68	45	50	7	1	–	6	1	7-8	3500	0	*
4	21·3	0	NW	2	c	63	65	51	8	5	–	1	9+	9+	3500	0	*
5	22·8	-2	W	2	bc	58	85	54	8	2	4	–	2-3	4-6	1200	0	3
	21·9	+2	WSW	3	c-bc	63	75	53	8	–	3	2	0	7-8	–	0	*
	22·3	-6	SW	3	c	55	92	53	8	2	4	–	4-6	10	4000	1	3
	23·6	-4	W'S	2	bc	59	85	54	9	7	7	–	4-6	4-6	3000	0	1
	23·2	-6	WNW	2	c	58	85	52	8	5	–	–	9	9	2500	0	2
	23·8	-2	SW'W	2	c	58	85	52	8	8	–	–	10	10	1800	0	2
6	23·8	0	W	1	b-bc	55	92	53	8	2	4	1	2-3	2-3	2500	0	1
7	22·5	0	SW	2	b-bc	56	85	50	8	8	3	1	1	2-3	2500	1	3
	21·9	-2	NNW	2	c	59	75	50	8	5	–	–	9+	9+	4000	0	*
8	21·3	0	W'N	3	c-bc	63	65	51	8	4	3	–	2-3	7-8	4000	0	*
10	20·9	0	E	2	c	54	85	50	7	7	7	–	4-6	9+	4000	0	1
	20·4	+2	NE	2	z_o	63	65	51	5	8	–	–	2-3	2-3	3000	0	*
	21·4	0	SSE	2	z_o	60	85	54	6	2	3	–	4-6	4-6	2000	0	2
11	20·4	0	S	2	c-bc	58	85	52	7	5	4	–	4-6	7-8	3000	0	2
	20·2	0	W	2	c	64	55	47	8	8	–	–	9+	9+	5000	0	*
12	21·0	+2	W'N	2	c	60	75	51	8	8	5	–	2-3	9+	2500	0	*
	20·7	+2	W'S	2	c	60	65	48	8	5	3	–	7-8	9	2200	0	*
	22·0	0	NNW	1	b	59	75	49	8	2	4	–	Tr	1	3000	0	0
13A	21·6	0	SW	1	bc	56	85	51	7	2	3	–	2-3	4-6	2500	0	2
13B	20·9	+2	SSE	1	c	53	92	52	8	5	3	–	7-8	9+	3500	0	1
15	21·5	0	SW	2	c	55	75	47	8	5	5	–	4-6	9+	2500	0	*
	20·9	+6	NE'E	1	z_p	55	85	49	5	–	3	9	0	4-6	–	0	1
	21·3	+12	SW	3	b-bc	53	85	48	8	5	3	–	1	2-3	3000	0	3
17	21·3	+2	WSW	2	bc	57	75	50	7	8	–	–	4-6	4-6	2500	0	3
18	21·0	+2	SE'S	1	c	53	75	46	8	8	–	–	9+	9+	2500	0	1
	21·4	-2	--	0	c	59	75	50	8	5	2	–	9	10	7000	0	*
19	21·7	0	S	1	ir	58	85	54	8	8	2	–	7-8	10	1500	1	*
20	21·6	-2	S	3	c	50	75	52	8	8	–	–	9+	9+	4000	1	2
	22·1	-2	SSW	4	c-bc	58	85	54	8	8	–	–	7-8	7-8	1500	0	3

PAST 24 HOURS.

District	Weather. 7h.–13h. 20th. (39)	Weather. 13h.–18h. 20th. (40)	Weather. 18h.–1h. 20th–21st (41)	Weather. 1h.–7h. 21st (42)
1	bcz$_o$bbcy	bcy	bcycz$_o$	c$_o$bzw
	bz$_o$y	bccm$_o$y	cz$_o$ybcm$_o$	cm$_o$bm$_o$
	bz$_o$bcz$_o$bcy	bccy	cycbcm$_o$	m$_o$bwbc
	cm$_o$cbcy	bcyc$_o$c	cbcybc	bcbbcc
	bm$_o$bcy	cy	bcw	bcbm$_o$w
	bz$_o$bc	bbc	bcb	bcbm$_o$w
	b	bz$_o$y bcz$_o$y	cbcm$_o$	bcbm$_o$
	bcm$_o$bcz$_o$	bcz$_o$	bcz$_o$	bcz$_o$
	bcbbz$_o$	bcz$_o$bc	bcbm$_o$w	bm$_o$cm$_o$b
	b	bcz$_o$	bcw2cz	bcm$_o$
	bcy	bcycy	cycm$_o$	bcmw
	bbcz$_o$y	bccz$_o$	cz$_o$pr$_o$	cm$_o$
	bcc	cbc	bc	bcz
	bcm$_o$wcz$_o$	cz$_o$bcz$_o$cz$_o$cyc	cm$_o$	
	bbcvcv	cvyc	cb	bwbcc
	cffc	cbc	bcc	cir$_o$
	bbc	bcyc	bcbbm$_o$w	bm$_o$wjcm$_o$w
	bc	c	cb	bcb
	cm$_o$c	cbc	bcc	c
	bccbc	bcc	c	c
	cpr$_o$	cr$_o$c	cid$_o$rc	c
	bcc	bc	bcfo	cffjf
	bm$_o$cbc	bcb	bbcfgw	cfgjfw
	c	c	c$_o$b$_o$bc	cm$_o$
	bm$_o$cz$_o$c	cbcybc	bcm$_o$	cm$_o$w
	cm$_o$	cz$_o$	c	c
	bcm$_o$yc	bcybcz$_o$	bcz$_o$bc	cbc
	cmbccm$_o$	cbcm$_o$	bccm$_o$	cm$_o$
	bcm$_o$prcm$_o$	cm$_o$bcm$_o$	cm$_o$	cm$_o$
	cbccm$_o$cy	cy	cycm$_o$	c
	cm$_o$ccy	cyc	cwcmw	cm$_o$wcmw
	d$_o$d$_o$cm$_o$c	cbcyc	cbc	bcc
	c	cbcb	bbcc	cbcc
	c	cbc	bm$_o$bf	cfm$_o$
	ccir$_o$c	ccir$_o$c	cm$_o$	cm$_o$fff
	cpr$_o$o	oc	bcz$_o$	cbc
	bccz$_o$cr$_o$r$_o$	cpr$_o$bcz$_o$	bcc$_o$	cz$_o$r$_o$
	c	c	bccpr$_o$cf	pfcm
	cpr$_o$c	cbc	ofdod$_o$	cjfc
	c	cbc	bc	bc
	r	bc	r	r
	cwc	c	cir$_o$c	ccwm$_o$
	r	r	c	c
	c	pr	r	pr
	c	bc	c	d

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

Districts.	
1 S.E. England	Light variable winds; mainly fair with considerable bright periods, but some isolated thunderstorms mainly in East; local coast fog; very warm
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Light variable or easterly winds, mainly dull with local drizzle and considerable hill and coast fog; rather warm.
12 S.W. Scotland & Isle of Man	
13A W. Scotland ...	Light variable winds; mainly fair but with considerable cloud and local showers; warm
13B N.W. Scotland	As 11
14 Mid Scotland	
15 N.E. Scotland	
16 Orkneys and Shetlands	As 11
17 N.W. Ireland	As 12–13A.
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

GENERAL INFERENCE

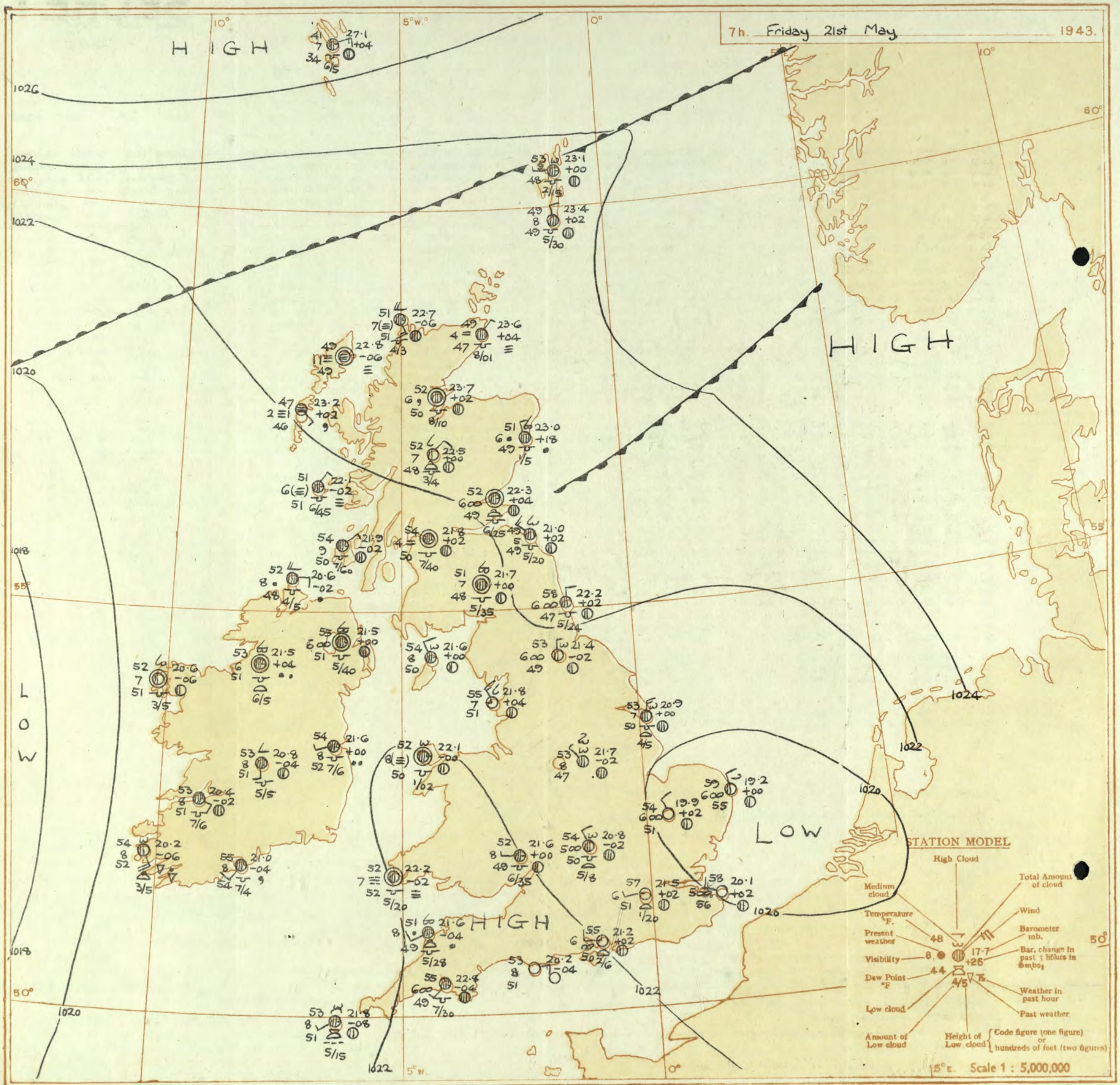
Pressure is almost uniform over the British Isles; weather will be generally warm and mainly fair, but some isolated thunderstorms are probable in Eastern England, and it will be generally dull in Eastern and Northern Scotland.

FURTHER OUTLOOK

Quiet warm conditions persisting over the British Isles, but increasing tendency for thunder.

Forecasts issued at 10·30

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



7h. Friday 21st May 1943.
HIGH
HIGH
LOW
LOW
HIGH
1026
1024
1022
1020
1018
STATION MODEL
High Cloud
Total Amount of cloud
Medium cloud
Wind
Temperature °F.
Barometer mb.
Present weather
Bar. change in past 3 hours in mbs.
Visibility
Dew Point °F
Weather in past hour
Past weather
Low cloud
Amount of Low cloud
Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)
Scale 1 : 5,000,000

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Friday 21st May

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Friday 21st May 1943 — No. 2076S

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

District	Stations	Height above M.S.L. in feet.	Baro.n. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon ...	290	21·6	+6	SW	2	b-bc	57	85	52	6	5	4	-	1	2-3	3000
	S. Farnborough	226	21·4	-2	W'W	2	Zo	54	85	50	6	-	-	6	0	1·6	-
	Boscombe Down	417	22·4	-2	NW'N	2	b-bc	50	92	47	7	2	7	6	1	2-3	2500
	Thorney Island	10	21·5	+2	NW'N	2	bc	53	85	49	7	-	-	2	0	4-6	-
	Lympne ...	283	20·6	-4	-	0	Zo	52	97	51	6	-	4	-	0	1	-
	Manston ...	154	20·0	0	W'S	1	Zo	56	85	52	5	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	19·4	+2	NW'N	1	Zo	52	97	51	5	-	-	6	0	2-3	-
	Gorleston ...	5	19·4	-6	N	1	Zo	53	92	51	6	-	1	-	-	9	-
	Mildenhall ...	15	20·0	+2	NW	2	Zo	53	92	50	6	5	3	-	2-3	7-8	4000
	Cranwell ...	203	20·8	0	NW	3	Zo	56	85	51	6	5	7	-	7-8	9+	4000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	21·2	0	NW	2	Zo	56	85	49	6	5	-	-	9	9	3000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	22·5	-4	W	1	c	53	97	52	8	5	-	-	9	9	1500
	Bristol ...	209	22·9	+2	-	0	Zo	47	85	44	6	-	-	-	0	0	-
	Portland Bill ...	32	22·2	-6	NW	3	b	54	85	50	8	-	-	-	0	0	-
	Plymouth ...	82	23·7	0	-	0	c	53	97	52	7	5	-	-	10	10	2500
	The Lizard ...	240	23·1	0	SW'S	1	c	53	92	51	8	5	2	-	9	10	1500
	Scilly (St.Mary's)	163	23·2	-2	SW	1	c/d	53	92	52	5	5	-	-	10	10	1200
	Guernsey ...	175															
6	Pembroke ...	142	22·9	-6	-	0	F+	51	97	51	1	-	-	-	10	10	150
7	Holyhead (Valley)	32	22·6	-2	-	0	bjf	49	97	49	6	-	-	1	0	Tr	-
	Chester (Sealand)	16	22·4	-2	NW	1	bc	48	92	46	6	5	-	-	4-6	4-6	5000
8	Manchester ...	235	22·4	-2	-	0	Zo	48	97	47	5	-	3	-	0	9	-
10	Spurn Head ...	29	20·8	-4	E	1	c	53	92	51	7	7	-	-	9+	9+	2500
	Catterick (Sc)...	192	21·8	+2	-	0	bc	50	85	46	8	-	3	1	0	4-6	-
	Tynemouth ...	108	22·1	+4	W	2	Zo	52	85	49	6	5	-	-	7-8	7-8	2500
11	St. Abbs Head	280	21·0	+4	NW	2	Zo	55	85	50	6	5	-	-	10	10	4000
	Leuchars ...	36	21·6	+2	SSE	1	Zo	53	85	49	6	5	3	-	9	9+	3500
12	Renfrew (Abbotsl.)	19	22·1	0	-	0	Zo	52	92	49	6	5	7	-	4-6	9+	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	23·1	+8	-	0	c	50	97	47	8	-	3	-	0	9	-
13A	Tiree	44	22·6	+2	-	0	bf+	44	97	44	2	-	-	-	0	0	-
13B	Stornoway ...	15	23·2	+4	-	0	jf	51	97	51	5	-	-	-	10	10	150
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	22·2	0	-	0	Zo	51	97	49	6	5	7	-	4-6	9+	4000
	Wick ...	114	23·0	+2	-	0	f-	49	97	49	2	-	-	-	10	10	150
16	Sumburgh ..	19	22·8	+8	W'S	3	df	47	97	47	2	-	-	-	10	10	<150
17	Blacksod Point	18	21·7	+2	-	0	c-bc	48	92	46	7	5	3	-	4-6	7-8	2500
18	Malin Head ...	84	21·2	-2	E'S	2	c/r	50	97	49	8	8	-	-	10	10	2500
	Aldergrove ...	268	21·9	-2	E	1	c	52	97	51	7	5	3	-	2-3	9	3000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	21·6	-6	SE	2	i/o	54	92	52	8	5	-	-	10	10	2500
	Roches Point	22	22·2	0	SSW	3	c	54	97	53	8	5	-	-	9	9	1500

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

District	Stations	Barom at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	20·9	+2	N	1	Zo	57	75	50	6	1	-	-	Tr	Tr	4000	0	*
	Croydon ...	21·5	+2	W'S	1	b	57	85	51	6	1	-	-	Tr	Tr	2000	0	*
	S. Farnborough	21·0	0	NNW	1	Zo	54	85	50	6	7	8	-	4-6	4-6	5000	0	*
	Boscombe Down	22·1	-2	NW	2	Zo	53	85	50	6	5	-	2	3	9+	3500	0	*
	Thorney Island	21·2	+2	N	2	Zo	55	85	50	6	1	-	-	1	1	4000	0	*
	Lympne ...	20·3	0	NNW	2	Zo	57	85	53	5	-	-	-	0	0	-	0	2
	Manston ...	20·1	+2	W'N	3	Zo	58	85	53	5	-	-	-	0	0	-	0	*
2	Shoeburyness ...	20·2	+2	NNW	2	Zo	58	75	51	5	-	-	-	0	0	-	0	*
	Felixstowe ...	19·5	+2	NW	2	Zo	56	75	49	5	-	-	-	0	0	-	0	1
	Gorleston ...	19·2	0	NW	2	Zo	59	85	55	6	-	-	1	0	4-6	-	0	2
	Mildenhall ...	19·3	+2	NW	2	Zo	54	92	51	6	-	-	-	0	0	-	0	*
	Cranwell ...	20·5	0	NNW	3	Zo	54	85	49	6	-	3	-	0	9+	-	0	*
3	Birmingham ...	21·9	0	NW	2	Zo	54	75	47	5	-	7	-	0	2-3	-	0	*
	Upper Heyford	21·2	+2	NW	2	Zo	54	85	50	5	7	3	-	7-8	7-8	7200	0	*
4	Ross-on-Wye	21·6	0	N	1	c	52	92	49	8	5	-	-	9	9	3500	0	*
5	Hartland Point	21·6	-4	SW	2	i/o	51	92	49	8	8	7	-	7-8	9+	2800	0	3
	Bristol ...	22·3	-2	-	0	Zo	53	97	51	6	5	-	-	10	10	5000	0	*
	Portland Bill ...	21·1	+6	NW	2	bc	55	85	51	8	2	4	-	4-6	4-6	4000	1	3
	Plymouth ...	22·8	-4	SW	1	Zo	55	85	49	6	5	-	-	9+	9+	3000	0	1
	The Lizard ...	21·6	-8	NNE	2	c-bc	54	92	52	8	8	-	-	7-8	7-8	1500	0	3
	Scilly (St.Mary's)	21·8	-8	SW'S	1	c	53	92	51	8	9	6	-	7-8	9	1500	1	1
	Guernsey ...																	
6	Pembroke ...	22·2	-2	-	0	jf	52	97	52	7	5	-	-	7-8	7-8	2000	0	1
7	Holyhead (Valley)	22·1	0	-	0	c/jf	52	92	50	8	5	3	-	Tr	9+	200	1	1
	Chester (Sealand)	21·6	0	-	0	c	56	75	50	6	5	-	-	9+	9+	4000	0	*
8	Manchester ...	21·6	0	WNW	1	m	53	92	51	4	5	3	-	7-8	9+	3000	0	*
10	Spurn Head ...	20·9	0	N'E	3	c-bc	53	92	50	7	7	3	-	4-6	7-8	2500	0	1
	Catterick (Sc)...	21·4	-2	N	1	Zo	53	85	49	6	-	3	-	0	4-6	-	0	*
	Tynemouth ...	22·2	+2	N	2	Zo	53	65	47	6	5	-	-	7-8	7-8	2400	0	1
11	St. Abbs Head	21·0	+2	WNW	3	Zo	49	97	49	5	5	5	-	7-8	10	2000	0	2
	Leuchars ...	22·3	+4	-	0	Zo	52	92	49	6	8	-	-	9	9	2500	0	*
12	Renfrew (Abbotsl.)	21·8	+2	-	0	m	54	85	50	4	5	-	-	9+	9+	4000	0	*
	Eskdalemuir ...	21·7	0	-	0	c	51	85	48	7	5	7	-	7-8	10	3500	0	*
	Point of Ayre...	21·6	0	NW	2	c	54	85	50	8	-	3	-	0	9	-	0	1
13A	Tiree	22·2	-2	NNE	1	c/jf	51	97	51	6	5	-	-	9	9	4500	0	2
13B	Stornoway ...	22·8	-6	-	0	F+	49	97	49	1	-	-	-	10	10	<150	0	*
15	Dalwhinnie ...	22·5	0	NE	2	bc	52	85	48	7	8	4	-	2-3	4-6	1500	0	*
	Aberdeen † ...	23·0	+8	NNW	1	i/o	51	92	49	6	5	7	-	Tr	10	2500	0	*
	Wick ...	23·6	+4	NE	1	m	49	92	47	4	5	-	-	10	10	100	1	*
16	Sumburgh ..	23·4	+2	NNW	2	c-bc	49	97	49	8	5	-	-	7-8	7-8	3000	0	1
17	Blacksod Point	20·6	-6	-	0	bc	52	97	51	7	5	5	-	2-3	4-6	2500	0	1
18	Malin Head ...	20·6	-2	E	2	i/o	52	85	48	8	5	2	-	4-6	10	2500	0	1
	Aldergrove ...	21·5	0	-	0	Zo	55	85	51	6	5	7	-	7-8	9+	4000	1	*
19	Birr Castle ...	20·8	-4	S	1	c	53	92	51	8	5	1	-	7-8	10	2500	0	*
20	Valentia Obsy.	20·2	-6	SE'S	4	bc/pr	54	92	52	8	2	3	-	2-3	4-6	2500	1	2
	Roches Point	21·0	-4	SSW	2	c	55	97	54	8	5	-	-	9+	9+	1500	0	3

PAST 24 HOURS

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 20th Hrs. (38)
1	London (Kew)	73	54	45	-	-	10·4
	Croydon ...	75	52	43	-	-	11·1
	S. Farnborough	73	49	40	-	Tr	11·6
	Boscombe Down	69	44	41	-	-	9·0
	Thorney Island	73	50	45	-	-	*
	Lympne ...	73	48		-	-	13·2
	Manston ...	74	53	49	-	-	11·5
2	Shoeburyness ...	68	50	44	-	-	11·7
	Felixstowe ...	62	45	35	-	-	11·4
	Gorleston ...	58	50	46	-	-	10·9
	Mildenhall ...	81	46	40	-	Tr	10·1
	Cranwell ...	74	52	48	-	Tr	7·2
3	Birmingham ...	69	49	41	-	-	3·7
	Upper Heyford	69	51	44	-	-	*
4	Ross-on-Wye	68	47	38	-	-	5·4
5	Hartland Point	69	51	47	-	Tr	5·1
	Bristol ...	67	44	36	-	-	10·6
	Portland Bill ...	57	50	*	-	-	*
	Plymouth ...	62	52	45	-	-	5·2
	The Lizard ...	61	57	*	Tr	-	8·5
	Scilly (St.Mary's)	60	52	*	Tr	0·3	4·2
	Guernsey ...						
6	Pembroke ...	57	50		-	-	7·0
7	Holyhead (Valley)	60	42	36	-	-	*
	Chester (Sealand)	65	47	38	-	-	4·6
8	Manchester ...	66	48	36	-	-	*
10	Spurn Head ...	60	51	44	-	-	11·0
	Catterick (Sc)...	70	43	37	-	-	9·2
	Tynemouth ...	60	51	44	-	-	*
11	St. Abbs Head	66	48	*	Tr	-	*
	Leuchars ...	67	50	41	-	-	6·8
12	Renfrew (Abbotsl.)	66	50	41	-	-	5·2
	Eskdalemuir ...	65	41	35	Tr	-	4·4
	Point of Ayre...	64	47	*	-	-	7·3
13A	Tiree	59	43	38	-	Tr	6·0
13B	Stornoway ...	58	48	49	Tr	-	1·0
15	Dalwhinnie ...	60	46	41	0·1	-	0·0
	Aberdeen † ...	66	49	44	0·3	Tr	6·2
	Wick ...	61	48	47	-	Tr	*
16	Sumburgh ..	54	47	46	Tr	-	6·2
17	Blacksod Point	59	44	*	-	-	*
18	Malin Head ...	58	49		0·2	0·5	2·0
	Aldergrove ...	61	50	49	-	0·1	0·1
19	Birr Castle ...	63	51	47	1	0·3	0·3
20	Valentia Obsy.	60	53	50	Tr	2	0·3
	Roches Point	61	54	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 20th May: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 21st May: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
109	83	25843	27485	87	02844	26325	5-	08428	30128	5-	05528	00048
115				--	67109	20369	52	02844	20166	52	09734	12327
203				53	02846	16226						
206	57	02865	16327	87	62865	24267	5-	02767	00027	5-	51638	00028
210	87	02865	22187	87	81865	05186	5-	02767	08127	5-	41527	04248
219	83	02863	19417	24	01753	15213	--	46109	13149	--	44209	12159
230	83	02955	20365	8-	02858	20228	5-	02767	00027	03	05890	00027
245							5-	05568	07128	5-	05677	06227
260	5-	02865	20325	5-	02867	24227	57	05565	22228	57	08457	20148
278	87	02864	20227				5-	02768	12128	5-	02767	14127
279	7-	02775	22355	84	01953	22323	53	02764	20215	67	02764	32128
285	20	01855	32315									
288	10	01862	18223	20	17565	01313	50	47351	10145	03	45290	00044
575	57	61864	00068	86	02844	30288	53	02764	00027	77	22656	00067
301	8-	02867	26327	23	01861	24315	04	01790	26112	04	01790	28312
321	5-	05657	28227	5-	05657	28227	57	05665	28228	53	08461	28112
2.3	04	05690	14212	50	01744	14214	5-	05648	14228			
292	20	01763	26213	50	01743	14203	48	05654	26226			
310	--	03626	26326							--	01642	26312
614	52	05666	28128	70	05675	30115	70	05675	30228	53	08464	30127

III	18h. G.M.T. 20th May: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 21st May: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
333	54	02754	14325	50	01864	18314	5-	08408	20228	6-	02844	17127
334	--	03646	26228							--	02645	28116
340	80	02865	28115	70	02865	30126	5-	05657	32127	54	05655	30127
1362	0	01763	04213	26	01763	04114	53	05563	04128	53	05664	02227
380	57	02754	24328	57	02754	24327				57	02754	28328
350	2-	05667	26127	26	05665	26215				50	05661	26121
368	83	02844	23326	03	01890	23413	--	48309	00009	5-	05668	23248
379	5-	02756	28226	43	02853	26316	53	01851	28313	50	05654	28314
390	13	05662	26103	50	05653	28316	00	08490	00010	00	05590	26210
382				26	01853	25325	46	02764	28125	54	05663	28124
438	14	05661	23312	54	01763	26414	70	01664	28314	00	05690	28210
430	20	05664	20214	00	02790	20215	00	01790	26216	00	05690	23201
409	57	02925	25328	57	02835	23227	5-	02868	00028	8-	02847	00027

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 21st May.
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 ...	bc2obbcy	bcy	c9o2w	Kew 24 hours ended 7h. May 21st: 0·3 (Max. Time 9h); Min. 0·1 (Time 17-24h 20th)
Croydon ...	b2oy	bccmoy	cmo bmo	
Greenwich ...	b2oy	bbcc3oy	cbcb2oy	
Camden Square	cbc	bc	*	
Kensington ...	b2bc	bc	*	
Hampstead ...	bc	bc	bc	

Stations.	Temperature: Day Max °F	Temperature: Night Min °F	Temperature: Min on grass °F	Rainfall: Day mm	Rainfall: Night mm	Sunshine to sunset hrs	Humidity: Yesterday 15h %	Humidity: Yesterday 9h %	Humidity: To-day 9h %
Kew ...	73	54	45	-	-	10·4	*	*	
Croydon ...	75	52	43	-	-	11·1	*	*	
Greenwich ...	76	53	39	-	-	9·0	43	56	
Westminster ...	77	54	47	-			51	67	
Regents Park ...	*	54	44	-	-		57	67	
Camden Square	77	55	48	-	-	*	*	64	
Kensington ...	75	53	43	-	-		67	53	
Hampstead ...	74	51	42	-	-	*	*	63	

SECRET

Page 1

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

Saturday, 22nd May, 1943 — No. 29766.

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

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)	18·8	-12	N	1	z_0	71	45	51	6	8	–	–	7-8	7-8	2500
	Croydon ...	19·8	-14	WSW	1	c-bc	72	55	53	6	2	–	–	7-8	7-8	3000
	S. Farnborough	19·1	-8	WSW	1	z_0	70	45	49	6	2	–	–	7-8	7-8	3500
	Boscombe Down	20·3	-2	W	1	c-bc	68	55	53	7	2	–	–	7-8	7-8	3000
	Thorney Island	19·9	-8	S'W	3	b-bc	67	65	53	9	2	–	1	1	2-3	4000
	Lympne ...	19·2	-10	SSW	2	z_0	70	65	56	6	1	–	–	4-6	4-6	4000
	Manston ...	19·0	-10	–	0	z_0	69	55	51	5	–	–	–	0	0	–
2	Shoeburyness ...	20·7	-14	SSW	2	z_0	72	55	55	6	1	–	–	1	1	4000
	[illegible]stowe ...	18·8	-4	S'E	3	z_0	74	45	53	6	–	–	–	0	0	–
	Gorleston ...	18·7	-4	NE'N	4	b	58	76	50	7	–	–	–	0	0	–
	Mildenhall ...	18·7	-10	NNW	3	b	71	45	49	8	1	–	–	Tr	Tr	4000
	Cranwell ...	18·9	-12	NW	2	z_0	70	55	51	6	1	–	–	4-6	4-6	3500
3	Birmingham ...	20·1	-6	W	2	c	63	55	48	7	5	–	–	9	9	2500
	Upper Heyford	19·3	-12	NNW	1	c	67	55	50	7	7	–	–	9	9	3500
4	Ross-on-Wye	20·1	-8	W'S	2	c	64	65	52	8	7	–	–	9+	9+	3500
5	Hartland Point	21·0	-6	WNW	1	c-bc	56	85	50	9	5	–	–	7-8	7-8	2500
	Bristol ...	20·6	-10	W	1	c	63	65	51	7	1	3	–	4-6	9+	4000
	Portland Bill ...	20·7	-2	SW	3	c-bc	56	85	52	8	2	4	–	4-6	7-8	4000
	Plymouth ...	21·5	-14	SSW	3	c-bc	61	75	52	8	8	3	1	7-8	7-8	2500
	The Lizard ...	20·8	-8	S	3	c-bc	58	85	54	8	8	2	–	7-8	7-8	2000
	Scilly (St. Mary's)	21·1	-6	ESE	2	c-bc	62	75	53	8	8	4	4	1	7-8	1500
	Guernsey ...															
6	Pembroke ...	21·2	-6	–	0	c	56	85	52	8	8	6	–	7-8	9+	3000
7	Holyhead (Valley)	21·3	-6	W	2	c	54	85	50	8	8	–	–	9+	9+	7000
	Chester (Sealand)	20·0	-10	NW	2	bc	62	65	51	8	7	5	1	4-6	4-6	3000
8	Manchester ...	19·2	-16	W'S	3	c-bc	67	55	49	7	2	6	–	7-8	7-8	4000
10	Spurn Head ...	20·4	0	NE'E	4	c-bc	58	75	49	7	7	–	–	7-8	7-8	2500
	Catterick (Sc) ...	20·1	-10	NE	2	m	63	75	54	4	1	–	–	2-3	2-3	3000
	Tynemouth ...	21·7	-2	N	2	o	57	65	43	6	–	2	–	10	10	2000
11	St. Abbs Head	21·5	+4	NW	3	z_0	51	92	49	5	5	6	–	7-8	9	2000
	Leuchars ...	21·6	-6	ENE	2	c	58	85	51	6	5	–	–	9	9	3500
12	Renfrew (Abbotts I.)	20·1	-10	E'S	2	z_0	65	55	50	6	2	3	–	4-6	7-8	3000
	Eskdalemuir ...	19·5	-14	E'N	3	c	63	65	52	7	5	–	–	9+	9+	2200
	Point of Ayre ...	20·8	-6	NW	2	b	61	75	54	8	2	–	8	Tr	1	2500
13A	Tiree	21·3	-2	E	1	c-bc	60	75	54	9	2	9	–	Tr	7-8	3000
13B	Stornoway ...	22·1	-2	ENE	4	bc	55	92	51	8	8	3	–	2-3	4-6	3500
15	Dalwhinnie ...	21·0	-4	SSE	3	c	57	65	46	7	5	7	–	4-6	9+	2500
	Aberdeen ...	22·3	-4	ENE	2	c-bc	57	65	49	7	1	3	–	Tr	7-8	2500
	Wick ...	23·7	-2	ENE	1	o/+	49	92	47	2	5	–	–	10	10	<150
16	Sumburgh ...	23·8	+2	ESE	2	c-bc	52	92	50	8	5	7	–	7-8	7-8	2000
17	Blacksod Point	18·3	-12	SE	1	c	62	85	51	8	8	–	2	7-8	9	2500
18	Malin Head ...	19·6	-20	E'N	3	c-bc	54	85	50	8	8	–	–	7-8	7-8	2500
	Aldergrove ...	20·1	-10	S'W	2	c	64	65	50	9	8	7	–	2-3	9	2000
19	Birr Castle ...	18·6	-10	S	2	c-bc	64	65	53	8	5	–	–	7-8	7-8	2500
20	Valentia Obsy.	19·0	-8	S	5	bc	62	65	52	9	2	3	–	2-3	4-6	2500
	Roches Point	20·1	-10	SSW	3	b-bc	59	75	51	8	2	–	–	2-3	2-3	1500

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

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	16·8	-10	NW'N	1	z_0	71	48	51	6	8	–	–	9+	9+	4000	0	*
	18·1	-6	S	3	c	70	55	55	6	8	–	–	9+	9+	3000	0	*
	17·3	-10	W	3	c	70	55	51	8	8	6	8	7-8	9	4500	0	*
	18·7	-8	W'N	2	bc	65	65	52	8	5	–	–	4-6	4-6	3500	0	*
	14·6	+10	SW	3	bc	65	65	55	9	1	–	1	Tr	4-6	4000	0	*
	18·5	-4	SSW	2	c	63	75	53	8	–	7	7	0	10	–	0	§3
	18·2	-6	SW'S	2	c	67	55	50	7	–	–	6	0	9+	–	0	*
2	17·5	-10	SSW	2	z_0	65	75	57	6	–	–	6	0	4-6	–	0	*
	18·0	-2	NE	3	z_0	60	75	52	6	–	–	1	0	Tr	–	0	1
	17·9	-4	N'E	3	c-bc	63	75	55	7	–	–	8	0	7-8	–	0	
	17·7	-6	NNE	3	bc	69	48	48	8	1	–	2	Tr	4-6	4000	0	*
	17·8	-4	E'S	2	bc	65	65	53	7	2	–	–	4-6	4-6	3000	0	*
3	17·6	-10	NW	1	c	64	55	48	7	8	–	–	9+	9+	2500	0	*
	17·5	-10	WNW	1	b-bc	67	65	53	7	4	–	–	2-3	2-3	4000	0	*
4	18·5	-10	WSW	2	bc	63	55	48	8	5	–	–	4-6	4-6	3500	0	*
5	19·1	-10	N'W	1	bc	54	85	51	9	1	4	–	2-3	4-6	2000	0	1
	19·3	-6	WSW	3	b-bc	63	55	49	8	1	4	–	Tr	2-3	4000	0	*
	19·3	-6	W	2	b-bc	57	85	52	8	5	–	–	2-3	2-3	4000	1	2
	20·0	-10	SW	2	bc	57	85	54	8	7	–	8	1	4-6	2500	0	1
	19·1	-10	SSE	2	bc	57	85	53	8	2	6	–	4-6	4-6	3000	0	2
	19·0	-16	SE	2	c-bc	59	75	51	8	2	4	5	4-6	7-8	1200	0	1
6	19·5	-6	W	1	b-bc	57	85	53	9	2	4	1	2-3	2-3	3000	0	1
7	19·8	-10	SW	1	c	55	85	51	8	7	–	–	9	9	7000	0	1
	18·3	-8	NW	3	bc	57	75	49	8	5	3	–	2-3	4-6	3000	0	*
8	18·3	-6	WNW	3	bc	61	65	50	7	5	3	–	4-6	4-6	3000	0	*
10	18·7	-4	NE'N	3	b	55	85	49	7	–	–	–	0	0	–	0	2
	19·8	+2	NE	3	m	57	75	49	4	2	3	9	2-3	4-6	2500	0	*
	20·8	-6	N	3	F+	49	87	49	1	–	–	–	10	10	<150	1	2
11	19·9	-2	–	0	f–	48	97	48	3	–	–	–	10	10	<150	0	2
	20·6	-16	ENE	2	z_0	51	85	47	6	5	–	–	10	10	2000	0	*
12	19·0	-8	ESE	2	z_0	62	65	52	6	5	7	–	9	10	3000	0	*
	18·4	-10	NE'E	3	c	59	75	52	7	5	–	–	9+	9+	1900	0	*
	20·0	-2	WNW	2	b	57	75	50	8	2	4	–	Tr	1	2500	0	1
13A	19·6	-10	NE	2	bc	59	75	52	8	–	3	1	0	4-6	–	0	2
13B	21·6	-2	NE	5	0	51	92	50	7	5	–	–	10	10	600	0	2
15	20·4	-6	NE	1	c	54	85	50	6	5	–	–	9	9	2500	1	*
	21·6	-2	NE'E	3	f	47	97	47	2	–	–	–	10	10	<150	0	*
	23·0	-4	NE	2	f	47	97	46	2	–	–	–	10	10	<150	1	*
16	23·4	-2	NW'N	3	c-bc	54	75	47	8	5	8	–	7-8	7-8	3000	0	
17	17·7	-8	NNW	1	c	59	75	51	8	8	3	–	4-6	9+	2500	1	1
18	18·7	-6	ENE	3	c-bc	55	85	51	8	8	–	–	7-8	7-8	2500	0	2
	18·7	-6	W'S	1	c-bcjp	62	65	50	9	8	6	–	2-3	7-8	3000	0	*
19	17·4	-12	S	2	c-bc	63	65	52	8	5	–	–	7-8	7-8	2500	0	*
20	16·5	-14	SE'S	4	c	59	65	47	9	4	–	1	7-8	9	2500	1	3
	18·2	-14	S'W	3	bc	57	85	53	9	2	–	5	2-3	4-6	2500	0	3

PAST 24 HOURS.

District	Weather. 7h.–13h. 21st. (39)	Weather. 13h.–18h. 21st. (40)	Weather. 18h. 21st to 1h. 22nd (41)	Weather. 1h.–7h. 22nd (42)
1	bbcz$_0$	bccz$_0$y	czoybc	bcczow
	bbcz$_0$y	cz$_0$y	czoyczo	czo cmoc
	bbcz$_0$y	bcz$_0$ycy	cyzobcc	cbwbcc⊕
	cz$_0$cy	cybcybc	bc	bcfgc
	bm$_0$bz$_0$b	cbc	bccbc	bwc
	bbcz$_0$	bcz$_0$ybc	bcc	cbccbcw
	bz$_0$y	bbcz$_0$y	bcm$_0$	bcccm$_0$
2	bz$_0$bcz$_0$y	bcz$_0$ybz$_0$	bc2o	bc2ow
	bz$_0$y	bz$_0$ybz$_0$	bm$_0$	bcm$_0$fbm$_0$
	be	bbc	bzw	bm2$_0$
	by	bcy	bcybybz$_0$	bcm$_0$wbm$_0$
	bz$_0$y	bccy	cbc	bcm$_0$cm$_0$
3	bcc	cbcc	c	cbm
	bcz$_0$ycz$_0$y	cybcy	bc	cm$_0$bcm$_0$w
4	c	ccbcy	cbc	bwbom$_0$
5	ir$_0$c	cbc	bc	bcc
	cm$_0$c	ccybcy	bybcbaw	bewc
	bcc	cbc	cc	corr
	cm$_0$cbc	cbcb	bccbc	c
	c	bc	bccΦ	roc
	c	cbcc	cbccw	ir$_0$c
6	c	bc	bcw	bcw
7	cjffc	c	bjffw	bccfg
	bcc	bc	cm$_0$bcv	bcm$_0$cf
8	cmwbcz$_0$y	cbcy	cbczom$_0$	bcm$_0$mw
10	c	bz$_0$	bm$_0$	of
	bcz$_0$bz	bzbcz$_0$	c2f	offf
	cm$_0$or$_0$	cm$_0$FF	offm$_0$	om$_0$
11	cm$_0$	cm$_0$FF	ofcmf	f
	cir$_0$cm$_0$	cm$_0$	dcdod$_0$bc	om$_0$cm$_0$
12	cmwfm$_0$	cz$_0$ycz$_0$	czocm$_0$	cm$_0$cmcm$_0$
	cid$_0$c	cid$_0$m$_0$c	ccm$_0$om$_0$	cm$_0$om$_0$
	b	b	bffc	c
13A	c	b	cbcc	crobc
13B	Fff bc	cco	cid$_0$m$_0$om	bcm$_0$em$_0$
15	bcepr$_0$	cpr	*	cpr$_0$c
	cz$_0$c	cifoFF	offd$_0$m$_0$	m$_0$
	cf	offdod$_0$d	ofid$_0$m	cdod$_0$m$_0$
	cbcc	bccbbc		
17	c	c	bc	c
18	r	pr	bc	bc
	cwcid$_0$d	ccycbc	bcm$_0$	cm$_0$bcc
19	c	c	*	c
20	bc	bc	c	r
	c	bc	bc	r

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

Districts	
1 S.E. England 2 E. England 3 E. Midlands ...	Moderate southerly wind veering southwest; cloudy with occasional thundery rain at first, local showers and bright intervals later; rather warm and close, becoming cooler.
4 W. Midlands 5 S.W. England 6 [illegible]th Wales 7 North Wales	Light or moderate east or northeast winds, veering southwest later; considerable coast fog in East at first; thundery rain spreading from southwest, followed by local showers and bright interrals; rather warm and close; becoming cooler
8 N.W. England	As 1
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man	As 2-3.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Moderate easterly winds; generally dull; considerable fog and local drizzle in North and East; more general rain in South later; rather warm and close.
16 Orkneys and Shetlands	As 13A–15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 1

GENERAL INFERENCE

A depression centred off West Ireland is moving Northeast and associated troughs are crossing the British Isles; it will be rather warm and close in all areas at first with thundery rain spreading Northeast, but it will become cooler in most districts later with local showers and some bright periods.

FURTHER OUTLOOK

Generally unsettled with rain or showers at times in most districts.

Forecasts issued at 10.50.

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

7h. Saturday 22nd May, 1943.

HIGH

LOW

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

10° 5°W. 0° 5° E. 10°

60° 55° 50°

STATION MODEL

High Cloud

Medium cloud

Low cloud

Amount of Low cloud

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

Temperature °F.

Present weather

Visibility

Dew Point °F

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Weather in past hour

Past weather

Scale 1 : 5,000,000

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

Pub. 1411-No. 809: O.4545. Gp. 245/2. 7440. 5/43

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Saturday 22nd May

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

NOTE.—The symbols are placed on the side of the line towards which the front is moving

When the front is stationary the symbols are placed alternately on both sides of the line.

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

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

Saturday 22nd May, 1943 — No. 29766

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	57	*	*	*	*	*	*	*	*	*
	Croydon ...	290	17·8	-6	SSW	2	c	57	75	49	6	-	-	6	0	9	-
	S. Farnborough	226	16·9	-10	N	1	c	57	65	47	7	5	-	7	1	9+	4000
	Boscombe Down	417	17·9	-6	-	0	b-bc	50	85	46	7	5	3	8	Tr	2-3	4000
	Thorney Island	10	17·4	-8	-	0	bc	50	92	49	8	-	-	2	0	4-6	-
	Lympne ...	283	17·6	-6	-	0	c-bc	47	97	46	7	-	-	6	0	7-8	-
	Manston ...	154	17·7	-6	S	2	Zo	51	92	48	6	-	-	6	0	7-8	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	16·5	-10	E	2	Zo	55	85	51	6	-	-	2	0	2-3	-
	Gorleston ...	5	17·8	-10	NNW	1	Zo	51	92	49	6	-	-	-	0	0	-
	Mildenhall ...	15	16·7	-6	E'S	1	Zo	50	85	44	6	-	-	-	0	0	-
	Cranwell ...	203	17·7	-4	-	0	Zo	51	92	49	6	4	-	-	2-3	2-3	3000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	16·5	-10	NNW	2	Zo	52	85	48	6	-	-	6	0	7-8	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	16·2	-14	E	3	bc	50	85	46	8	2	4	4	1	4-6	2500
	Bristol ...	209	17·8	-10	-	0	b-bc	46	85	43	7	5	-	5	1	2-3	4000
	Portland Bill ...	32	17·8	-14	NW	2	c-bc	52	85	48	8	2	-	-	7-8	7-8	4000
	Plymouth ...	82	17·7	-16	E	1	C	47	97	47	8	5	-	6	1	9	2500
	The Lizard ...	240	16·5	-14	E	3	c-bc	52	97	52	7	5	7	-	4-6	7-8	2500
	Scilly (St.Mary's)	163	15·6	-22	E'S	3	c	53	97	52	8	5	4	-	7-8	9+	1600
	Guernsey ...	175															
6	Pembroke ...	142	17·0	-4	ENE	2	bc	50	92	48	8	-	7	-	0	4-6	-
7	Holyhead (Valley)	32	17·3	-14	—	0	m	49	97	48	4	-	3	-	0	10	-
	Chester (Sealand)	16	17·4	-14	NNW	1	bc	49	92	48	6	5	3	6	2-3	4-6	3500
8	Manchester ...	235	17·5	-10	-	0	Zo	49	92	47	5	5	-	-	4-6	4-6	3000
10	Spurn Head ...	29	17·7	-6	N	2	Zo	49	97	48	6	-	-	-	0	0	-
	Catterick (Sc)...	192	18·4	-8	-	0	F	47	97	47	1	-	-	-	10	10	<150
	Tynemouth ...	108	19·7	-10	NNW	3	Zo	46	97	46	6	5	-	-	10	10	1500
11	St. Abbs Head	280	18·4	+8	N	3	F+	45	97	45	0	-	-	-	10	10	<150
	Leuchars ...	36	19·2	-10	NE	2	m	47	92	45	4	5	-	-	10	10	300
12	Renfrew (Abbots L)	19	18·4	-6	E'N	3	Zo	50	85	47	5	5	7	-	7-8	9+	1600
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	17·4	-8	SE	1	c	51	92	49	8	6	-	-	9+	9+	4500
13A	Tiree	44	17·3	-12	E	1	c	53	92	51	7	5	-	-	9	9	5700
13B	Stornoway ...	15	19·9	-10	NE	4	bc	49	97	49	6	5	-	-	4-6	4-6	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	20·5	-4	NNW	3	m	46	97	45	4	5	-	-	10	10	600
	Wick ...	114	21·4	-14	NE	1	F	46	97	45	1	-	-	-	10	10	<150
16	Sumburgh ..	19	22·7	-8	NE	3	do.	47	97	47	4	5	-	-	10	10	200
17	Blacksod Point	18	13·6	-22	SSE	1	c	55	85	51	8	5	3	-	4-6	9+	2500
18	Malin Head ...	84	16·0	-14	-	0	b-bc	51	75	43	8	5	-	-	2-3	2-3	2500
	Aldergrove ...	268	16·8	-12	-	0	Zo	53	85	49	6	5	-	-	9	9	3000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	11·6	-26	SE'E	5	c	55	75	47	9	5	7	-	7-8	9+	2500
	Roches Point	22	14·6	-18	S'E	4	bc	53	97	52	8	5	-	5	1	4-6	1500

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

Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
14·6	-10	-	0	Zo	58	75	48	6	2	-	6	Tr	9+	4000	0	*
15·9	-14	-	0	c-bc	60	65	48	7	2	-	2	Tr	7-8	4000	0	*
14·7	-14	-	0	c-bc	57	65	47	8	5	8	4	Tr	7-8	5000	0	*
15·0	-14	-	0	C	53	75	49	7	-	7	9	0	9+	-	0	*
15·0	-8	-	0	C	57	85	51	8	-	3	1	0	9	-	0	*
15·8	-6	SSE	2	c-bc	55	92	52	7	-	-	6	0	7-8	-	0	*
15·5	-16	W'S	1	C	58	75	50	7	-	-	7	0	10	-	0	*
15·4	-6	SW	1	Zo	59	75	51	6	-	-	6	0	4-6	-	0	*
15·0	-2	ENE	1	Zo	55	92	53	5	-	-	-	0	0	-	0	0
15·5	-10	N'E	1	Zo	50	85	46	6	-	-	-	0	0	-	0	2
14·7	-16	E	2	bc	54	85	48	6	-	-	1	0	4-6	-	0	*
15·3	-8	E'S	2	Zo	50	92	48	6	5	-	-	9+	9+	800	0	*
14·3	-16	E	2	m	54	75	47	4	-	-	-	0	0	-	0	*
14·5	-14	ESE	1	Zo	53	85	49	6	-	-	6	0	9	-	0	*
14·2	-16	NW	1	Zo	54	85	50	6	-	-	2	0	4-6	-	0	*
11·8	-18	SE	3	c/p	54	75	48	8	3	-	-	9	9	1500	0	2
14·5	-20	-	0	C	55	75	47	7	5	8	2	Tr	9+	4000	0	*
14·1	-10	E	3	rr	55	92	53	7	5	-	-	10	10	2500	1	3
13·7	-14	ESE	3	C	54	85	50	9	5	7	-	7-8	10	2500	0	1
10·8	-20	SE	3	c/pc	55	92	53	8	5	-	-	9	9	2000	1	3
11·3	-28	SSE	4	c/r	54	92	52	8	5	-	-	10	10	1200	1	3
12·5	-20	ESE	3	Zo	52	97	51	6	3	-	-	9+	9+	2500	0	1
13·4	-20	E	1	c/f	54	92	52	6	1	7	6	Tr	9+	4000	0	1
14·1	-18	SSE	1	m/f	50	92	48	4	5	-	-	2-3	2-3	2000	0	*
14·7	-10	SW	1	m	53	92	50	4	2	6	-	2-3	4-6	3000	0	*
16·0	-8	N'E	3	of-	47	97	46	3	5	-	-	10	10	1500	0	3
17·3	-6	NE	2	f-	45	97	45	3	-	-	-	10	10	<150	1	*
17·4	-12	N	3	Zo	47	97	46	6	5	-	-	10	10	800	1	2
15·5	-16	N	2	F+	46	97	46	0	-	-	-	10	10	<150	1	2
17·0	-10	NE	2	Zo	48	85	42	6	5	-	-	10	10	1500	0	*
15·8	-16	E	3	i/c	48	92	46	6	5	2	-	7-8	10	1600	1	*
15·7	-24	N'E	2	Zo	45	97	44	5	5	-	-	10	10	100	0	*
14·7	-10	ESE	1	c-bc	50	97	49	8	7	-	-	7-8	7-8	6000	0	1
14·2	-14	E'S	1	c-bc	55	92	53	8	5	7	-	4-6	7-8	7000	0	2
16·8	-18	NE	4	c-bc	50	92	48	7	6	3	1	2-3	7-8	1800	1	2
16·3	-12	NE	3	c	45	92	42	5	5	-	-	9+	9+	1500	1	*
17·6	-10	NW	2	Zo	46	92	44	6	5	-	-	10	10	800	0	2
19·4	-14	NNE	2	Zo	45	92	44	6	5	-	-	10	10	200	1	*
21·0	-10	ENE	4	do.	46	97	46	6	5	-	-	10	10	200	0	1
09·1	-18	SE'S	4	c	53	85	48	8	5	-	-	9+	9+	2500	1	4
12·5	-14	S'E	3	bc	55	75	47	8	5	-	2	4-6	4-6	2500	0	2
13·2	-20	SE	2	c	54	76	48	7	-	4	6	0	9	-	0	*
10·6	-18	S	2	c	52	85	48	8	5	2	-	7-8	10	2500	0	*
05·6	-26	SE'S	5	rr	53	92	51	6	6	2	-	9+	10	800	1	4
09·1	-24	SSE	5	ir	53	97	52	7	6	2	-	4-6	9+	800	1	4

PAST 24 HOURS.

Temperatures. 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 21st Hrs. (38)
(33)	(34)	(35)	(36)	(37)	
73	53	39	-	-	8·8
75	51	45	-	-	*
73	50	38	-	-	9·8
69	47	38	-	-	10·1
69	45	39	-	-	*
71	45	K	-	-	10·5
71	49	43	-	-	10·9
73	51	45	-	-	10·3
75	50	45	-	-	12·[illegible]
63	46	38	-	-	12·[illegible]
73	44	39	-	Tr	12·0
73	47	40	-	-	6·4
67	51	42	-	-	2·6
70	49	36	-	-	*
67	48	40	-	-	3·7
57	50	47	Tr	-	6·4
65	45	32	-	-	5·7
60	51	*	-	0·2	*
62	46	35	-	-	8·2
59	50	*	-	Tr	5·9
64	50	*	Tr	0·4	6·1
60	47	*	-	Tr	6·6
58	46	36	-	-	*
65	46	39	-	-	5·4
68	46	39	-	-	*
62	45	*	-	-	8·6
65	45	44	-	-	8·2
57	46	45	2	-	*
52	45	*	-	-	*
60	46	46	Tr	-	1·8
66	47	41	-	Tr	3·1
64	42	36	Tr	-	1·4
62	48	*	-	-	11·2
61	52	48	Tr	0·1	8·5
58	48	48	-	Tr	4·3
60	45	43	3	2	2·4
58	46	44	-	-	2·8
53	44	44	-	Tr	*
55	45	46	-	Tr	3·5
63	52	*	1	-	*
57	48	*	0·1	-	2·3
66	48	42	Tr	-	4·6
66	49	47	-	-	3·1
63	52	51	-	7	7·9
60	53	*	Tr	3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 21st May ..... 18h. G.M.T. | 01h. G.M.T. 22nd May ..... 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
109	5-	05638	00028	5-	05738	06228	--	57309	04228	5-	05618	07428
115	--	48109	08249				--	46009	08349	--	46009	08469
203												
206	73	47208	06148	5-	52538	04368	5-	21458	21747	5-	21628	02358
210	6-	08427	04247	6-	02848	08468	5-	51728	06248	5-	51528	03·28
219	83	01851	28112	83	01853	04414	04	05690	07113	53	01863	06425
230	87	02964	00026	87	02964	00008	57	05665	04167	58	05764	00025
245	03	02790	07427	53	05603	06448	53	05533	05244	57	61772	04357
260	--	05664	07266	57	61664	06228	5-	67038	04168	02	51428	07428
278	26	01853	01314	56	02853	31316	5-	02758	00018	07	01890	10314
279	27	02753	28128	43	02755	20227	00	05690	04210	53	05668	06428
285	27	02754	06326									
288	07	05690	09212	00	17590	03300	--	41203	00049	5-	08428	04228
375	8-	02867	00027	23	02866	00026	25	01862	00013	52	02744	20227
301	26	01851	28412	53	01874	26304	57	05562	10114	52	05563	10324
321				8-	25757	10287	03	05690	00024	57	08464	32115
2[illegible]	50	05664	32314	50	05654	30414	--	48109	30449	--	46109	30449
292	20	05563	26113	20	01764	02124	50	47352	28145	53	41434	30345
310	--	01649	20214									
614	7-	05666	00026				53	05562	04126	00	05590	06214

13h. G.M.T. 21st May ..... 18h. G.M.T. | 01h. G.M.T. 22nd May ..... 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
333				23	04952	20224	53	02754	26107	57	02874	12128
334	--	03647	28228	--	02646	26217				--	04444	02115
340	77	02764	28227	46	01863	30124	57	05553	32116	57	08464	12125
136	00	00790	32210	00	00780	06300	00	04590	32102	--	44309	00049
336	53	02754	20327									
350	2-	01765	32115	2-	02765	30125	46	05664	02115	00	05590	06125
368	8-	02867	26127	23	01862	24113	50	01761	00001	53	41464	06245
379	77	02844	30216	46	01853	26424	5-	02764	24315	07	05690	28116
390	40	05661	26201	20	05666	30116	00	08490	00010	00	08490	14115
382	7-	02857	00027	86	01762	26313	57	02763	26126	07	02790	00026
438	44	01763	26314	47	02763	24414	50	01764	24214			
430	20	05653	20313	00	01790	20213	00	01790	00025	57	02764	05126
409	8-	02944	31126	5-	02944	32125	00	05890	10226	57	61965	12568

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 22nd May.....
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 ...	bbc2o	bcc2oy	bcc2ow
Croydon ...	bbc2oy	c2oy	c2oc[illegible]
Greenwich ...	bbc2oy	c2oy	cbbc⊕
Camden Square	bc	bc	*
Kensington ...	bc2bc	bc	*
Hampstead ...	bc	bcm	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 9h. Max. 0·3 7h 21st
Min. 0·1 17·24h 21st

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h %	Humidity 9h % Today
Kew ...	73	53	39	-	-	8·8	*	*
Croydon ...	75	51	45	-	-	9·9	*	*
Greenwich ...	74	51	37	-	-	7·2	51	52
Westminster ...	75	53	46	-			64	59
Regents Park ...		54	44	-	-		57	63
Camden Square	74	54	46	-	-	*	*	55
Kensington ...	73	53	41	-	-		61	55
Hampstead ...	71	51	45	-	-		*	54

SECRET

BRITISH SECTION

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

Sunday 23rd May 1943

No. 29767.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Dew Point °F. (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	11·9	-10	S	3	c	67	65	53	8	7	7	6	7-8	10	4000
	Croydon	13·1	-16	SSE	3	c/pr	68	65	54	8	5	7	-	7-8	9+	3000
	S. Farnborough	11·7	-14	SSE	3	c	62	75	52	8	4	7	-	4-6	10	4000
	Boscombe Down	12·9	-10	S'E	3	c	57	92	55	7	5	2	-	4-6	10	1800
	Thorney Island	13·4	-14	SSE	3	c	59	75	51	9	5	7	-	7-8	10	1500
	Lympne	13·5	-14	S'E	3	c	61	75	54	8	-	4	6	0	9+	-
	Manston	13·1	-12	SW'S	3	c	69	65	57	8	-	8	7	0	10	-
2	Shoeburyness	13·6	-20	S'W	3	c	69	65	56	9	-	9	-	0	9+	-
	Felixstowe	13·2	-8	SSE	4	z$_0$	64	75	55	6	-	-	5	0	9	-
	Gorleston	13·3	-12	E'S	2	c-bc/f	56	85	52	7	-	7	2	0	7-8	-
	Mildenhall	11·5	-18	SW	3	c	72	45	50	7	2	3	6	2-3	9+	4000
	Cranwell	11·6	-22	SE	3	c	50	65	40	7	5	-	-	10	10	4000
3	Birmingham	11·3	-10	SSW	3	c	63	55	47	7	5	7	-	9	10	2500
	Upper Heyford	11·9	-10	WSW	3	c/d	62	75	51	6	5	7	-	4-6	9+	1500
4	Ross-on-Wye	10·9	-16	E'N	2	ir$_0$	55	92	53	6	6	2	-	9+	10	2000
5	Hartland Point	10·0	0	SW	3	ir	55	97	55	6	8	6	-	7-8	9+	1000
	Bristol	11·7	-14	S	2	o/r	58	85	53	7	5	-	-	10	10	2300
	Portland Bill	12·8	-6	SW	3	o	55	92	53	7	5	-	-	10	10	2500
	Plymouth	12·1	-8	SSW	4	r$_0$r$_0$	55	97	55	5	5	-	-	10	10	2000
	The Lizard	11·7	+2	SSW	4	bc	58	97	58	8	2	3	-	4-6	4-6	2000
	Scilly (St. Mary's)	11·5	+8	W'S	5	c-bc	60	85	54	7	8	6	2	4-6	7-8	1500
	Guernsey															
6	Pembroke	09·4	-14	S	4	rr	54	97	54	7	5	-	-	9+	9+	2500
7	Holyhead (Valley)	09·5	-18	SSE	2	c/r	56	85	51	8	5	7	-	7-8	10	4000
	Chester (Sealand)	10·4	-18	SE	1	c	64	65	51	6	-	7	-	0	10	-
8	Manchester	11·0	-16	SE'S	4	z$_0$	64	55	49	6	4	9	-	2-3	9	5000
10	Spurn Head	13·2	-20	NE	3	m	51	85	48	5	5	-	-	10	10	1000
	Catterick (Sc)	14·2	-8	NE	1	f+	56	97	55	3	-	-	-	10	10	<150
	Tynemouth	14·3	-8	NNE	3	z$_0$	50	92	47	5	5	-	-	10	10	800
11	St. Abbs Head	12·9	-22	N	1	F	47	97	46	1	-	-	-	10	10	<150
	Leuchars	13·1	-22	E	2	z$_0$	51	85	47	6	5	-	1	4-6	9	3000
12	Renfrew (Abbots I.)	11·5	-28	E'N	3	z$_0$	55	75	47	6	5	2	-	4-6	10	1800
	Eskdalemuir	11·4	-28	NE	3	z$_0$	56	75	48	6	5	-	-	9+	9+	1700
	Point of Ayre	09·7	-38	ESE	3	z$_0$	55	85	50	6	5	-	-	9+	9+	2000
13A	Tiree	10·5	-20	SSE	3	c	57	75	51	7	-	4	5	0	9	-
13B	Stornoway	14·1	-14	NE	5	b	53	75	47	8	1	4	-	Tr	Tr	1800
15	Dalwhinnie	13·0	-20	E	2	c	60	65	48	7	8	-	8	7-8	9+	2500
	Aberdeen	14·6	-20	SSE	3	b	57	65	47	8	1	-	8	Tr	Tr	4000
	Wick	16·9	-14	ENE	2	z$_0$	47	92	45	6	5	-	-	10	10	300
16	Sumburgh	18·9	-18	ENE	5	z$_0$	50	85	46	6	5	-	-	9+	9+	500
17	Blacksod Point	05·1	-18	SE	4	o/r	54	92	52	8	6	-	-	10	10	1500
18	Malin Head	08·6	-24	E'S	4	r	55	75	47	8	5	-	-	10	10	2500
	Aldergrove	09·1	-24	E	3	z$_0$	56	85	50	6	8	2	-	4-6	10	2000
19	Birr Castle	06·8	-18	S	3	c	54	85	50	7	6	2	-	7-8	10	800
20	Valentia Obsy.	07·4	+6	SW'W	5	pr	57	85	53	8	3	-	-	7-8	7-8	2500
	Roches Point	07·1	-2	WSW	4	c	59	85	55	8	3	-	-	4-6	10	1500

OBSERVATIONS at 18h. G.M.T. 22nd May / 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. 22nd (39)	Weather 13h.–18h. 22nd (40)	Weather 18h 22nd to 1h 23rd (41)	Weather 1h.–7h. 23rd (42)
London (Kew)	11·0	-4	SW'N	4	ir$_0$	60	85	53	8	5	-	-	10	10	1500	0	*	bccpr$_0$c	pir$_0$cir$_0$	r r$_0$ir$_0$bc	bbcw
Croydon	12·2	0	SSW	3	o/pr	60	85	54	8	5	-	-	10	10	1500	0	*	cycpr$_0$	cpr$_0$	cid$_0$pr$_0$qbc	bccbc
S. Farnborough	11·1	-2	SW	3	r$_0$r$_0$	58	92	56	8	5	7	-	9	9+	1400	1	*	cyprRrrm$_0$c	crr$_0$	crccprkqbc	bcwcb
Boscombe Down	11·6	-8	SW	3	c	58	92	56	7	9	-	6	7-8	9+	2000	1	*	ctlrm$_0$crr	ccprcr$_0$r$_0$m$_0$c	cbc	bccbcb
Thorney Island	12·3	-10	SW	4	id$_0$	57	92	55	6	5	-	-	4-6	10	1500	0	*	cir$_0$c	cpr$_0$ir$_0$m$_0$	bm$_0$bcm$_0$	bcm$_0$bccw
Lympne	12·3	+6	SW	4	ir$_0$	59	85	53	8	5	9	-	4-6	10	1200	0	§3	bcc	c	cr$_0$d$_0$r$_0$c	c
Manston	11·6	-10	SW'W	4	c	61	75	53	7	5	7	-	2-3	10	1800	0	*	bcc	c	cir$_0$bc	cbc
Shoeburyness	11·9	-10	SW'W	3	c	63	75	65	8	5	9	-	7-8	10	4000	0	*	cz$_0$c	c	c	cm$_0$
Felixstowe	10·4	-12	S	4	c/pr	62	85	58	7	5	2	-	7-8	10	4000	0	1	bm$_0$cz$_0$	cpr$_0$c	cm$_0$bcm$_0$	bcm$_0$bcc
Gorleston	09·7	-14	S	3	c	68	85	63	7	5	2	-	4-6	10	1500	0	3	cfc	cy	bcrbc	bc
Mildenhall	09·7	-6	SW'W	2	c/r	61	92	59	6	5	7	-	4-6	10	4000	1	*	bcm$_0$cm$_0$y	cycr$_0$r$_0$tm$_0$	cir$_0$m$_0$	b
Cranwell	08·9	-14	SSE	2	r$_0$r$_0$	58	92	56	6	5	7	-	4-6	10	1200	1	*	bm$_0$cm$_0$	crccrrm	cr$_0$r$_0$bcbm$_0$	b
Birmingham	09·3	-14	SW	3	bc	56	85	52	7	5	4	-	4-6	4-6	800	1	*	bzc	orrbc	bcb	bbc
Upper Heyford	10·2	-8	SW'W	3	c/r	58	92	55	7	5	8	1	7-8	9	1500	1	*	cz$_0$id$_0$y	cr$_0$r$_0$ir$_0$	bbm$_0$	bwbcw
Ross-on-Wye	10·0	-6	WSW	4	bc	59	65	48	8	2	-	-	4-6	4-6	3000	1	*	ccp$_0$cr	ircbc	bcb	bbcb
Hartland Point	11·5	+10	W	4	c-bc	56	85	52	7	2	-	-	4-6	7-8	1500	1	3	cpr ir$_0$ir	cirbc	bcbbc	bc
Bristol	11·7	+6	W'N	4	b-bc/r	57	85	52	8	2	-	-	2-3	2-3	1500	1	*	ccirir$_0$	ccir$_0$pr$_0$ccir	bcbbcb	bbcpr$_0$cpr$_0$
Portland Bill	12·8	+12	SW	4	c-bc	55	92	53	8	2	4	-	4-6	7-8	4000	1	4	o	oc	c	cbc
Plymouth	14·0	+16	W	5	bc	59	75	50	8	2	-	1	4-6	4-6	2500	0	2	cir$_0$rr	cr$_0$r$_0$bc	bcb	bbccm$_0$
The Lizard	14·4	+10	W	4	bc	56	85	52	8	5	-	-	4-6	4-6	2500	1	4	crrbc	bc	bcw	bc
Scilly (St. Mary's)	14·2	+14	W'S	5	b-bc	57	75	50	7	8	4	-	2-3	2-3	1800	1	4	drc	cbc	bc	bccw
Guernsey																					
Pembroke	10·3	+10	WSW	5	bc	55	92	52	8	2	4	-	4-6	4-6	2500	1	2	crrm$_0$	bc	bbc	bc
Holyhead (Valley)	07·4	-14	S	4	b-bc	54	85	51	7	8	-	-	2-3	2-3	2000	1	2	cir$_0$ir$_0$m$_0$	cir$_0$rrm$_0$	jpbc	bw
Chester (Sealand)	08·6	-10	S	1	ir$_0$	57	92	55	6	5	7	-	7-8	10	2000	1	*	cz$_0$	cz$_0$r$_0$rrm$_0$	bcm$_0$	bcm$_0$z$_0$
Manchester	08·7	-8	S	4	c/r	56	92	54	6	6	7	-	7-8	9+	1000	1	*	bcm$_0$cz$_0$y	cyrrm$_0$	circm$_0$	cm$_0$cbc
Spurn Head	09·8	-8	SE	3	c/pr	51	92	49	5	5	-	-	10	10	1500	0	1	om$_0$	om$_0$	b	bc
Catterick (Sc)	08·5	-14	E	2	cf+	54	85	50	3	5	7	-	4-6	10	1000	0	*	cfof	omcmf	Fcm$_0$rmc	c
Tynemouth	09·6	-20	NE	1	z$_0$	49	97	48	5	5	-	-	10	10	1000	0	2	cm$_0$	om$_0$ffm$_0$	Orrcm$_0$	cbm$_0$c
St. Abbs Head	08·5	-16	NE	1	o	48	97	48	4	5	-	-	10	10	1500	0	2	F	Fom	Frcm$_0$r	Fqrc
Leuchars	08·6	-26	NE	3	z$_0$	51	85	48	6	5	1	8	7-8	9+	900	0	*	cm$_0$	cm$_0$ccm$_0$	cir$_0$crrm	cd$_0$crom
Renfrew (Abbots I.)	06·8	-22	E'N	4	c/r	53	85	49	6	5	2	-	4-6	10	1600	1	*	cm$_0$ir$_0$cm$_0$	cm$_0$rrcm$_0$	cmrrr$_0$r$_0$	crr r$_0$
Eskdalemuir	06·7	-20	NE'E	4	c	54	85	48	6	5	-	-	10	10	1800	0	*	om$_0$cm$_0$	ccm$_0$	cm$_0$rrc	RRorr
Point of Ayre	06·4	-16	-	0	rr	53	97	52	6	6	2	-	4-6	10	800	1	1	bz	crr	rrcbc	cb
Tiree	06·4	-22	SSE	1	rr	54	92	52	6	5	2	-	4-6	10	300	1	2	cbcc	ccr$_0$r	crr r$_0$r$_0$m$_0$	cr$_0$r$_0$m$_0$
Stornoway	10·4	-18	NNE	5	c	51	85	47	7	5	-	-	9+	9+	2800	0	3	bccm$_0$bm$_0$	bm$_0$cm$_0$	cm$_0$	cm$_0$tlrir$_0$c
Dalwhinnie	08·5	-20	E	3	c	58	55	42	8	5	7	-	7-8	10	2500	0	*	cbcc	coy		opr
Aberdeen	10·2	-28	NE'N	2	c	52	85	48	8	5	-	7	4-6	9+	2500	0	2	om$_0$bcb	bbcc	com$_0$jf	omr$_0$rrm$_0$
Wick	13·4	-22	NE	3	b	49	85	44	6	-	-	5	0	1	-	0	*	om$_0$	bcbm$_0$bcm$_0$	omcm$_0$	cm$_0$d$_0$d$_0$pc
Sumburgh	15·7	-18	ENE	5	c	49	85	46	7	5	3	9	7-8	9+	1000	0	2	cd$_0$d$_0$cm$_0$	cm$_0$c	bcb	b, c
Blacksod Point	05·4	+6	SW'W	4	c/pr	54	85	50	8	8	-	-	9+	9+	1500	1	3	r	pr	bc	pr
Malin Head	05·0	-18	SE'S	1	rr	53	92	51	6	5	2	-	2-3	10	2500	1	3	bc	r	r	r
Aldergrove	06·0	-16	S'W	1	r$_0$r$_0$	52	92	50	6	5	2	-	9	10	1000	1	*	ccm$_0$	cm$_0$cr$_0$r$_0$	cbcc	cbcc
Birr Castle	06·5	+2	SW	2	c	58	65	46	8	8	-	3	7-8	9	1500	1	*	r	pr	*	pr
Valentia Obsy.	10·5	+18	W'S	4	b-bc/pr	56	75	48	8	3	-	-	2-3	2-3	2500	1	4	pr	pr	d	pr
Roches Point	09·7	+18	W	5	bc	57	75	49	8	3	-	3	4-6	4-6	1500	1	4	r	pr	pr	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 23rd May

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands; 5 S.W. England; 6 South Wales; 7 North Wales; 8 N.W. England; 9 N. Midlands; 10 N.E. England	Moderate or fresh westerly winds backing southerly later. Fair at first apart from scattered showers, chance of thunder in North; long bright periods, especially at night; becoming cloudy to overcast later, with rain spreading from Southwest: rather cool.
11 S.E. Scotland; 12 S.W. Scotland & Isle of Man; 13A W. Scotland	Mainly moderate westerly winds; cloudy with rain at times: cool.
13B N.W. Scotland; 14 Mid Scotland; 15 N.E. Scotland	Variable or easterly winds becoming westerly, mainly light or moderate; dull with rain at times: cool.
16 Orkneys and Shetlands	As 13B–15.
17 N. W. Ireland; 18 N. E. Ireland; 19 S. E. Ireland; 20 S. W. Ireland	Moderate or fresh west winds becoming variable later; occasional showers or thunderstorms at first but with some bright intervals, becoming dull and rainy later: cool.

GENERAL INFERENCE

A depression off East Scotland is moving slowly northeast and another centred to the southwest of the British Isles is advancing. There will be rain at times in Scotland. In other districts there will be local showers at first with some thunder, but more general rain will spread from the Southwest later. It will be generally cool.

FURTHER OUTLOOK

Unsettled westerly type with rain or showers at times in all districts.

Forecasts issued at 1300

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

7h. Sunday 23rd May 1943.

HIGH

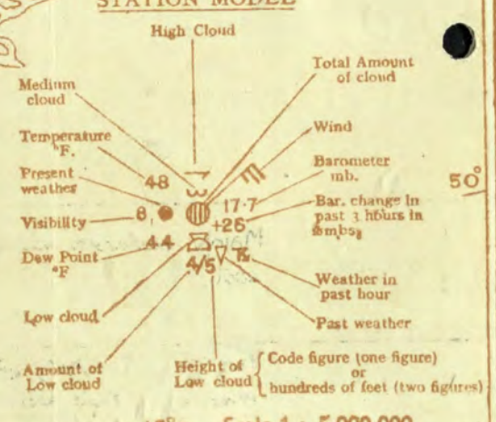
Low 1002

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

HIGH

10° 5°W. 0° 5°E. 60° 55° 50°

STATION MODEL



Scale 1 : 5,000,000

m.b in.

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Sunday 23rd May

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

NOTE. The symbols are placed on the side of the line towards which the front is moving.

When the front is stationary the symbols are placed alternately on both sides of the line.

E.M.S.

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

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

Sunday 23rd May 1943 — No. 29767.

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

Dist.	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18						52									
	Croydon ...	290	15.3	+10	SW'S	3	bc	51	85	47	7	–	–	3	0	4-6	–
	S. Farnborough	226	15.0	+12	WSW	3	b-bc	49	85	45	8	–	7	1	0	2-3	–
	Boscombe Down	417	15.1	+6	SW'W	2	bc	46	97	45	7	–	–	8	0	4-6	–
	Thorney Island	10	15.7	+12	WSW	3	zo	52	85	47	6	–	7	–	0	2-3	–
	Lympne ...	283	15.3	+18	W	3	c	51	85	47	7	–	–	7	0	10	–
	Manston ...	154	14.1	+16	WS	3	c	52	75	45	7	–	3	8	0	9	–
2	Shoeburyness ...	11															
	Felixstowe ...	12	12.5	+14	WSW	4	zo	54	85	49	6	–	7	–	0	2-3	–
	Gorleston ...	5	11.1	+12	WS	3	b-bc	55	75		7	–	4	–	0	2-3	–
	Mildenhall ...	15	12.5	+14	SW	4	b	50	92	47	7	–	–	8	0	Tr	–
	Cranwell ...	203	10.6	+12	SW	4	b	50	85	45	7	–	–	–	0	0	–
3	Birmingham ...	535															
	Upper Heyford	408	13.1	+8	WSW	3	zo	49	92	46	6	–	–	1	0	Tr	–
4	Ross-on-Wye	223															
5	Hartland Point	299	14.6	+6	WNW	5	bc	52	92	50	7	2	–	–	4-6	4-6	1500
	Bristol ...	209	14.7	+6	WS	4	b-bc	51	85	47	8	2	–	–	2-3	2-3	2500
	Portland Bill ...	32	16.2	+12	SW	4	c-bc	53	92	51	7	5	7	–	4-6	7-8	–
	Plymouth ...	82	17.5	+10	W	4	b-bc	52	92	50	8	5	–	–	2-3	2-3	2000
	The Lizard ...	240	17.0	+8	W	5	bc	52	92	50	8	5	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	163	16.9	+4	WS	5	bc	52	85	48	8	8	4	6	1	4-6	1800
	Guernsey ...	175															
6	Pembroke ...	142	13.8	+12	WS	5	bc	52	92	50	7	2	–	–	4-6	4-6	4000
7	Holyhead (Valley)	32	10.4	+14	WS	5	b	51	85	47	8	2	6	–	Tr	1	2500
	Chester (Sealand)	16	10.1	+6	WSW	2	b-bc	52	75	45	6	5	–	–	2-3	2-3	3500
8	Manchester ...	235	10.0	+6	S'W	4	zo	49	92	47	6	4	–	–	9+	9+	3200
10	Spurn Head ...	29	09.3	+4	WSW	4	b	51	85	45	7	–	–	–	0	0	–
	Catterick (Sc.) ...	192	06.8	−2	SW	3	pr	50	85	45	7	8	4	–	4-6	4-6	2000
	Tynemouth ...	108	06.2	−14	SE	2	zo	51	92	49	6	5	–	–	7-8	7-8	1500
11	St. Abbs Head	280	04.3	−16	W	2	rr	48	97	48	4	5	–	–	10	10	1500
	Leuchars ...	36	04.5	−18	–	0	rr	49	97	49	4	5	2	–	7-8	10	300
12	Renfrew (Abbots L.)	19	05.0	−10	ENE	1	ro ro	49	97	49	4	5	2	–	7-8	10	1200
	Eskdalemuir ...	794															
	Point of Ayre ...	30	06.5	+4	WN	5	b-bc	51	92	49	8	8	4	–	1	2-3	2000
13A	Tiree	44	04.4	−14	SE	3	rr	50	97	50	6	5	–	–	10	10	1500
13B	Stornoway ...	15	06.0	−16	NE	5	zo	49	85	46	6	5	2	–	7-8	10	3200
15	Dalwhinnie ...	1176															
	Aberdeen † ...	79	05.6	−14	–	0	of-	48	97	48	3	5	–	–	10	10	300
	Wick ...	114	07.5	−26	NE	4	zo	47	97	46	5	5	2	–	7-8	10	400
16	Sumburgh ..	19	11.1	−22	ENE	6	b-bc	49	85	45	7	5	7	–	Tr	2-3	4000
17	Blacksod Point	18	08.1	+8	SW'W	4	bc	52	75	45	8	8	–	–	4-6	4-6	2500
18	Malin Head ...	84	04.1	−6	SW	4	ro	51	97	50	8	5	2	–	2-3	10	2500
	Aldergrove ...	268	07.1	+10	SW	3	c-bc	49	97	48	7	5	–	–	7-8	7-8	3000
19	Birr Castle ...	173															
20	Valentia Obsy.	30	13.6	+10	WSW	4	b-bc	50	85	46	8	2	–	–	2-3	2-3	2500
	Roches Point	22	13.8	+10	W	4	b	52	92	50	8	5	–	–	1	1	2500

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

Dist.	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Cloud. Form. Med. (26)	Cloud. Form. High (27)	Cloud. Amount. Low 0–10 (28)	Cloud. Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	17.0	+12	W'S	3	bc	54	75	46	8	1	–	8	Tr	4-6	1500	0	*
	Croydon ...	17.9	+14	SW'S	3	bc	53	75	46	8	1	–	2	Tr	4-6	2500	0	*
	S. Farnborough	17.3	+10	WS	4	b	52	85	46	8	1	–	4	Tr	1	2500	0	*
	Boscombe Down	17.8	+10	WSW	3	b-bc	51	85	49	7	1	–	–	1	2-3	2500	0	*
	Thorney Island	18.0	+14	SW	4	bc	55	85	49	7	1	–	–	4-6	4-6	2500	0	*
	Lympne ...	17.9	+16	WSW	3	c	51	85	47	8	–	–	8	0	9+	–	0	*
	Manston ...	16.7	+14	WSW	3	c	53	75	47	8	1	7	7	Tr	10	2000	0	*
2	Shoeburyness ...	17.1	+10	E	3	c	55	75	46	6	1	4	2	Tr	9	4000	0	*
	Felixstowe ...	16.1	+24	WSW	5	c-bc	55	75	47	8	–	–	2	0	7-8	–	0	4
	Gorleston ...	13.7	+12	WSW	4	b-bc	51	85	47	7	–	–	8	0	2-3	–	0	3
	Mildenhall ...	15.2	+18	WSW	4	b-bc	53	85	47	8	5	–	2	Tr	2-3	2500	0	*
	Cranwell ...	13.1	+18	SW'W	5	b	54	65	45	8	5	–	–	Tr	Tr	4000	1	*
3	Birmingham ...	14.9	+10	SW	3	b-bc	51	75	43	8	4	–	–	2-3	2-3	800	1	*
	Upper Heyford	15.4	+6	WSW	3	b	52	85	48	8	1	–	1	Tr	Tr	2100	0	*
4	Ross-on-Wye	15.7	+12	WS	4	bc	54	75	46	8	1	–	1	2-3	4-6	3000	1	*
5	Hartland Point	17.1	+14	WN	4	bc	53	85	50	8	2	–	6	2-3	4-6	1700	0	4
	Bristol ...	17.7	+14	W	4	c-pr	53	85	49	8	2	–	2	7-8	9	2000	1	*
	Portland Bill ...	18.4	+18	W	4	bc	53	92	51	8	2	–	–	4-6	4-6	4000	1	4
	Plymouth ...	18.8	+6	WSW	3	c-bc	53	92	51	7	8	–	2	4-6	7-8	1500	0	2
	The Lizard ...	18.7	+10	W	4	bc	53	92	51	8	2	6	–	4-6	4-6	2500	0	4
	Scilly (St. Mary's)	18.4	+6	SW'W	3	c-bc	53	85	50	8	2	4	6	4-6	7-8	1800	1	4
	Guernsey ...																	
6	Pembroke ...	16.1	+12	WSW	4	bc	52	97	52	8	2	–	–	4-6	4-6	3000	0	3
7	Holyhead (Valley)	13.1	+14	SW'W	5	b	52	85	48	8	1	4	–	Tr	Tr	3000	1	3
	Chester (Sealand)	12.9	+18	W'S	2	bc	54	65	44	8	8	–	–	4-6	4-6	2500	1	*
8	Manchester ...	13.0	+18	SW	3	bc	51	75	44	8	1	6	3	4-6	4-6	3000	1	*
10	Spurn Head ...	11.6	+16	WSW	4	b-bc	53	75	46	7	7	–	–	2-3	2-3	2500	0	3
	Catterick (Sc.) ...	09.0	+18	SE	3	c-bc	52	75	46	8	8	6	–	4-6	7-8	2000	1	*
	Tynemouth ...	06.9	+6	W	6	c-bc	53	75	46	7	2	3	–	4-6	7-8	1800	1	3
11	St. Abbs Head	03.1	−4	W	4	c	51	85	47	8	5	7	–	7-8	9+	2500	1	3
	Leuchars ...	02.7	−2	SW	2	ro ro	50	92	49	6	5	2	–	4-6	10	1000	1	*
12	Renfrew (Abbots L.)	05.0	+2	WSW	4	ro ro	51	92	48	7	6	2	–	4-6	10	600	1	*
	Eskdalemuir ...	06.8	+14	SW'W	4	rr	47	92	45	5	–	2	–	10	10	400	1	*
	Point of Ayre ...	09.5	+14	W'N	6	b	52	85	48	8	5	4	–	Tr	Tr	1600	1	4
13A	Tiree	03.6	+2	WSW	2	c-r	50	97	50	6	6	7	–	7-8	10	1000	1	2
13B	Stornoway ...	03.3	−10	ENE	3	c-r	50	85	45	6	5	2	–	4-6	10	2800	1	2
15	Dalwhinnie ...	01.0	−2	SW	3	pr	46	92	44	7	5	2	–	4-6	10	1500	1	*
	Aberdeen † ...	01.9	−4	–	0	rr	48	97	48	6	6	2	–	7-8	10	800	1	*
	Wick ...	03.2	−22	NE	2	o/d	48	97	48	6	5	–	–	10	10	400	1	
16	Sumburgh ..	06.2	−24	NE'E	7	c	51	85	46	7	5	7	–	1	9	5000	0	3
17	Blacksod Point	09.8	+8	WSW	5	c-bc/pr	53	85	49	8	9	–	–	7-8	7-8	2500	1	4
18	Malin Head ...	05.6	+12	W'S	5	c	52	85	48	8	5	2	–	2-3	9	2500	1	3
	Aldergrove ...	09.2	+14	SW	3	c	50	85	46	7	5	–	–	4-6	9	1800	1	*
19	Birr Castle ...	12.2	+10	WSW	3	bc	52	85	48	8	5	–	–	4-6	4-6	2500	1	*
20	Valentia Obsy.	14.0	+2	SW'S	4	c-bc	54	85	50	8	2	–	–	7-8	7-8	2500	1	3
	Roches Point	15.0	+6	W	3	b	52	92	50	8	3	–	–	1	1	1500	1	4

PAST 24 HOURS.

Dist.	Stations	Temperatures. Max. Day 7h–18h °F. (33)	Temperatures. Min. Night 18h–7h °F (34)	Temperatures. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 22nd Hrs. (38)
1	London (Kew)	67	50	44	0.1	0.1	4.7
	Croydon ...	70	49	45	Tr	Tr	4.9
	S. Farnborough	67	48	41	3	0.2	4.8
	Boscombe Down	59	44	42	3	0.4	1.8
	Thorney Island	66	51	44	0.2	Tr	*
	Lympne ...	66	47	*	Tr	Tr	7.2
	Manston ...	71	47	45	–	Tr	6.2
2	Shoeburyness ...	70	51	46	–	–	6.4
	Felixstowe ...	66	51	41	Tr	1	6.1
	Gorleston ...	68	54	45	–	–	6.2
	Mildenhall ...	74	48	37	3	0.3	7.4
	Cranwell ...	66	47	45	2	Tr	3.5
3	Birmingham ...	63	48	44	6	–	2.9
	Upper Heyford	64	45	37	2	–	*
4	Ross-on-Wye	62	49	44	6	–	4.9
5	Hartland Point	57	52	49	4	–	4.3
	Bristol ...	62	49	41	3	Tr	4.1
	Portland Bill ...	57	50	*	3	–	*
	Plymouth ...	62	50	43	5	–	6.0
	The Lizard ...	55	51	*	5	–	7.3
	Scilly (St. Mary's)	60	50	*	3	Tr	8.4
	Guernsey ...						
6	Pembroke ...	56	50		3	–	0.5
7	Holyhead (Valley)	60	49	46	8	–	*
	Chester (Sealand)	65	49	41	5	0.1	1.3
8	Manchester ...	66	48	45	5	1	*
10	Spurn Head ...	51	49		–	–	
	Catterick (Sc.) ...	50	49	45	–	7	0.0
	Tynemouth ...	52	48	46	–	3	*
11	St. Abbs Head	49	46		–	5	
	Leuchars ...	58	48	48	–	7	4.7
12	Renfrew (Abbots L.)	58	49	44	0.4	17	0.2
	Eskdalemuir ...	60	46	44	–	12	1.6
	Point of Ayre ...	57	49	*	3	6	1.2
13A	Tiree	61	50	48	2	20	4.1
13B	Stornoway ...	54	47	47	–	0.3	6.8
15	Dalwhinnie ...	65	45	45	–	6	5.0
	Aberdeen † ...	57	47	46	–	9	6.5
	Wick ...	50	47	45	–	0.6	*
16	Sumburgh ..	51	46	43	Tr	–	0.1
17	Blacksod Point	58	50	*	3	0.1	*
18	Malin Head ...	57	50		3	3	1.8
	Aldergrove ...	59	42		3	0.5	2.3
19	Birr Castle ...	53	46	43	8	2	2.1
20	Valentia Obsy.	59	49	44	0.4	1	7.2
	Roches Point	60	50	*	4	0.2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 22nd May 18h. G.M.T. 01h. G.M.T. 23rd May 07h. G.M.T.

IIIC$_L$C$_M$	wwVhN$_h$	DDFFWN	C$_L$C$_M$	wwVhN$_h$	DDFFWN	C$_L$C$_M$	wwVhN$_h$	DDFFWN	C$_L$C$_M$	wwVhN$_h$	DDFFWN
109 5-	05638	07498	54	05661	06412	5-	05635	08425	52	22645	07667
115 53	09637	08327	52	09634	08427	--	48109	09449	52	62735	08568
263									5-	23845	04128
206 6-	05638	06458	63	05634	06425	5-	52528	04458	62	64635	06168
210 5-	05538	08328	53	05643	07324	5-	05528	07228	5-	62528	07268
219 53	01863	08514	51	02763	04528	52	02755	07328	57	61743	24128
230 53	05786	10227	57	05865	08228	62	64645	00068	62	62855	20368
242 00	01850	06464	54	02841	05418	5-	67318	06268	62	62627	20168
260 5-	08428	06328	5-	05548	05328	5-	62328	12248	62	64633	20168
278 57	05654	10428	52	22754	17168	57	62636	23468	53	02853	22425
279 5-	05546	04227	52	25555	20288				5-	02737	23567
285 5-	05628	14328									
288			53	17454	02128	50	01872	19462	5-	02855	21425
575 62	62643	16168	62	62744	14168	86	81845	23385	20	01864	20314
301 52	05566	15328	62	61645	15468	86	01762	24524	53	01854	22625
321 5-	05667	10227	52	64645	18368	00	05690	22860	86	02745	20425
2.2 5-	05528	04328	5-	05528	04228	00	05690	22310	84	02744	20314
292 2-	05667	00027	62	61654	11228	10	05653	20183	20	02844	22484
310											
614 52	05674	12227	52	64544	17168				50	05644	22314

IIIC$_L$C$_M$	wwVhN$_h$	DDFFWN	C$_L$C$_M$	wwVhN$_h$	DDFFWN	C$_L$C$_M$	wwVhN$_h$	DDFFWN	C$_L$C$_M$	wwVhN$_h$	DDFFWN
333 12	62841	14368	80	01744	18564	57	01754	53524	50	01743	20513
334 --	63647	28187	--	63647	26388						
340 52	61664	20428	87	22645	18167	50	01853	22413	70	02854	22414
136 59	05652	06217	52	61655	20268	04	01790	22361	10	01751	20401
330 62	62626	20368	10	01754	20414						
350 57	61765	16228	52	22734	20268	04	01790	20201	10	01742	20313
368 57	62554	10398	50	01754	22314	80	02645	55415	2-	02734	24316
379 02	66438	18268	87	22734	20465	07	01790	20413	10	01752	23313
390 57	05653	20228	57	61663	18268	00	05690	20313	10	02732	22415
382 59	62864	17328	86	22845	23366	04	01890	23884			
438 51	02764	22215	5-	51647	22387	57	02744	24515	87	02643	24515
430 57	02754	17328	53	01548	21358				10	02843	22213
409 5-	02935	20467	20	01743	21513	80	02755	24415	20	02844	21436

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 23rd May
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather Morning	Weather Afternoon	Weather Night	Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew	bc c pr c	pi r c i r o	r i r b c w	
Croydon ...	c y c p r o	e p r o	c i d y b c	
Greenwich ...	b c c r o y	c i r o	c b b c	Kew 24 hours ended 7h. Mean Time
Camden Square	c i r	c		0.1 Min. Time 8h 22nd
Kensington ...	c b c p r	b c b	*	0.1 Reading period
Hampstead ...				

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew	67	50	44	0.1	0.1	4.7	*	*
Croydon ...	70	49	45	Tr	Tr	4.9	*	*
Greenwich ...	72	49	40	Tr	–	5.1	65	59
Westminster ...	71	51	45		Tr		65	72
Regents Park ...								
Camden Square	72	45	45	–	0.3	*	*	63
Kensington ...	71	49	43	Tr	*		83	94
Hampstead ...							*	

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

BRITISH SECTION

SECRET

Monday 24th May 1943

No. 29768

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

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)	°F. (7)	Humid. % (8)	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)	17.0	-6	W'S	3	c-bc	63	45	41	8		2	–	6	7-8	7-8	4000
	Croydon ...	18.2	-6	SW	4	c-bc	66	45	41	8		2	–	3	4-6	7-8	2500
	S. Farnborough	17.4	-12	WSW	4	c	64	35	39	8		2	–	6	7-8	9	3000
	Boscombe Down	17.7	-6	SW'S	3	c	63	55	45	8		2	–	6	4-6	9+	2500
	Thorney Island	18.5	0	SW	4	bc	62	55	46	9		8	1	1	1	4-6	4000
	Lympne ...	18.2	-2	SSW	4	c-bc	61	65	50	8		3	–	6	4-6	7-8	2500
	Manston ...	17.2	+10	W'S	3	c-bc	65	45	43	8		2	–	1	7-8	7-8	3000
2	Shoeburyness ...	17.6	-6	WSW	3	bc	67	45	43	8		1	–	–	4-6	4-6	4000
	Felixstowe ...	16.9	-6	SW	4	c-bc	66	45	45	8		1	–	–	7-8	7-8	4000
	Gorleston ...	15.4	+4	W'S	4	bc	61	65	49	7		2	–	–	4-6	4-6	2500
	Mildenhall ...	15.7	0	W'S	4	c-bc	64	45	42	8		2	–	–	7-8	7-8	4000
	Cranwell ...	14.3	+4	WSW	5	bc	64	35	37	8		1	–	–	4-6	4-6	3000
3	Birmingham ...	15.2	0	WSW	4	bc	61	45	40	8		8	–	–	4-6	4-6	2500
	Upper Heyford	15.8	-2	WSW	4	bc	62	55	44	8		7	–	–	4-6	4-6	3000
4	Ross-on-Wye	15.3	0	W'S	4	b-bc	62	55	46	8		1	–	8	2-3	2-3	3500
5	Hartland Point	17.4	-4	WNW	4	bc	54	85	50	7		2	–	5	2-3	4-6	1500
	Bristol ...	17.6	-2	W	4	c-bc	61	55	47	8		2	–	6	4-6	7-8	4000
	Portland Bill ...	19.5	-2	SW	4	c-bc	54	85	50	8		[illegible]	4	-	4-6	7-8	4000
	Plymouth ...	19.26	-6	SW'W	4	c	57	85	53	8		62	7	8	2-3	9	2500
	The Lizard ...	18.3	-6	SSW	3	c-bc	60	85	54	8		2	3	-	7-8	7-8	2500
	Scilly (St. Mary's)	17.5	-10	SW'S	4	c	59	75	51	8		8	4	7	2-3	9+	1500
	Guernsey ...																
6	Pembroke ...	16.8	-2	SW	4	c-bc	55	92	53	8		2	7	1	2-3	7-8	3000
7	Holyhead (Valley)	14.0	-2	WSW	5	b-bc	57	85	51	8		2	4	3	1	2-3	2500
	Chester (Sealand)	13.8	+2	WSW	3	bc	62	45	41	8		2	–	–	4-6	4-6	2500
8	Manchester ...	13.6	-2	SW	5	bc	61	55	45	9		2	–	–	4-6	4-6	2500
10	Spurn Head ...	13.0	+2	WSW	5	c-bc	61	46	39	7		2	–	–	7-8	7-8	2500
	Catterick (Sc) ...	10.6	+4	WSW	4	bc	59	55	42	8		2	–	–	4-6	4-6	2500
	Tynemouth ...	08.7	+4	W	6	c-bc	60	45	42	7		2	–	–	7-8	7-8	2200
11	St. Abbs Head	04.4	+8	W	6	c	56	75	48	8		5	6	–	4-6	9	1500
	Leuchars ...	02.8	+4	SW	6	c	60	65	48	8		5	–	–	10	10	1000
12	Renfrew (Abbotsl.)	06.6	+10	WSW	6	c-bc	57	65	46	8		8	4	2	4-6	7-8	1600
	Eskdalemuir ...	07.5	0	SW'S	6	pr	53	65	42	8		8	–	–	7-8	7-8	1800
	Point of Ayre ...	10.7	+4	W	6	c	62	55	46	8		3	–	–	1	1	2000
13A	Tiree	05.2	+10	WSW	5	ir c	52	92	50	7		6	7	–	4-6	9+	800
13B	Stornoway ...	02.1	-2	NE	2	ir c	51	92	49	5		5	–	–	10	10	800
15	Dalwhinnie ...	02.1	+2	W	3	c-bc	48	85	44	7		5	2	–	4-6	10	1500
	Aberdeen ...	00.8	-4	W'N	2	r c	52	85	48	6		6	7	–	4-6	10	2000
	Wick ...	01.6	-10	–	0	r c	48	97	48	3		–	–	–	10	10	<150
16	Sumburgh ...	03.2	-12	ENE	6	ir c	49	92	47	7		5	7	–	4-6	10	1000
17	Blacksod Point	11.0	+2	SW	5	bc	58	75	50	8		8	–	–	4-6	4-6	2500
18	Malin Head ...	07.8	+10	W'N	6	bc	55	75	48	8		2	–	2	2-3	4-6	2500
	Aldergrove ...	10.2	+4	WSW	4	pr	55	75	47	8		3	–	–	9	9	2000
19	Birr Castle ...	12.5	-2	SW	4	c-bc	61	65	50	8		8	–	–	7-8	7-8	1500
20	Valentia Obsy.	13.6	-4	SSW	4	c-bc	59	75	51	8		2	–	1	7-8	7-8	2500
	Roches Point	14.8	-4	WSW	4	bc	57	85	53	8		3	–	5	4-6	4-6	1500

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

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)	°F. (22)	Humid. % (23)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	15.6	-10	SW	3	c	61	55	46	8		2	–	6	4-6	9	2500	0	*
	Croydon ...	16.9	-8	S	3	c	62	53	45	8		1	–	6	2-3	9	3500	0	*
	S. Farnborough	16.2	-6	SW'S	4	c	62	55	46	8		8	4	7	1	10	2500	0	*
	Boscombe Down	16.6	-4	SSW	4	c	57	65	46	8		8	4	7	2-3	9+	2500	0	*
	Thorney Island	17.4	-6	S'W	3	c	58	75	50	9		2	3	8	1	9	4000	0	*
	Lympne ...	17.7	-4	SW	3	b-bc	57	75	50	8		-	–	6	0	2-3	-	0	8
	Manston ...	17.1	+2	SW	3	b-bc	61	55	46	8		2	3	6	Tr	2-3	4000	0	*
2	Shoeburyness ...	16.9	-2	SW	3	b-bc	63	65	50	7		1	–	9	1	2-3	4000	0	*
	Felixstowe ...	16.8	-2	S'E	2	b-bc	67	45	45	8		1	–	1	2-3	2-3	4000	0	1
	Gorleston ...	15.1	-4	NW'W	2	bc	66	35	31	7		2	–	8	2-3	4-6	2500	0	3
	Mildenhall ...	15.0	-4	SW	4	b-bc	64	45	40	8		2	4	1	2-3	2-3	4000	0	*
	Cranwell ...	13.7	-6	SW'W	3	c	68	45	42	8		2	6	*	7-8	9	3000	0	*
3	Birmingham ...	14.6	-2	SW	4	bc	6[illegible]	35	33	8		1	4	1	2-3	4-6	4000	1	*
	Upper Heyford	15.0	-6	WSW	3	c-bc	62	45	41	8		1	3	6	1	7-8	4000	1	*
4	Ross-on-Wye	14.2	-6	W'S	2	bc	61	45	37	8		7	–	8	1	4-6	3500	0	*
5	Hartland Point	15.3	-12	W	3	c	55	85	52	8		2	6	7	1	10	1500	0	3
	Bristol ...	16.3	-4	SW	2	c	58	65	47	9		8	7	-	7-8	9	4000	0	*
	Portland Bill ...	17.4	-4	SW	4	o	53	92	51	8		5	*	-	10	10	4000	1	4
	Plymouth ...	16.6	-20	SSW	3	c	55	85	52	8		4	7	-	Tr	10	1500	0	2
	The Lizard ...	15.2	-16	S	3	c	55	85	51[illegible]	8		5	-	-	9	10	2000	0	4
	Scilly (St. Mary's)	14.4	-28	S'E	3	c	55	85	51	7		5	1	-	4-6	10	1500	0	4
	Guernsey ...																		
6	Pembroke ...	15.6	-14	SW'S	3	c-bc	54	92	53	8		2	4	5	2-3	7-8	3000	0	8
7	Holyhead (Valley)	13.3	-4	SSW	6	b	54	86	49	8		2	4	3	Tr	1	3500	1	4
	Chester (Sealand)	13.4	-2	SW	3	c	61	45	42	8		2	6	9	1	9	3000	0	*
8	Manchester ...	13.6	-2	SW	4	c-bc	58	55	41	8		2	4	2	2-3	7-8	2500	0	*
10	Spurn Head ...	12.9	0	W'S	5	bc	63	45	40	7		1	3	-	2-3	4-6	4000	0	3
	Catterick (Sc) ...	11.0	+2	SW	5	bc	57	65	45	8		2	–	5	4-6	4-6	3000	0	*
	Tynemouth ...	10.2	+2	W	6	bc	60	45	40	7		2	–	–	4-6	4-6	2200	1	3
11	St. Abbs Head	05.6	+16	W	6	c-bc	57	55	42	8		1	4	-	4-6	7-8	3500	0	5
	Leuchars ...	04.3	+6	WSW	6	c	55	58	46	8		8	7	-	2-3	9	2000	1	*
12	Renfrew (Abbotsl.)	07.7	+6	WSW	6	c-bc	55	65	44	8		2	7	8	2-3	7-8	2000	1	*
	Eskdalemuir ...	08.6	+14	WSW	4	pr	49	85	45	8		8	–	-	9+	9+	1500	1	3
	Point of Ayre ...	01.2	-2	ENE	6	d[illegible]	49	97	48	8		5	–	-	10	10	<150	1	4
13A	Tiree	06.4	+2	WSW	5	c	52	86	49	8		5	2	7	1	10	2500	1	4
13B	Stornoway ...	02.3	+4	NNW	2	r c	51	92	49	5		5	2	*	7-8	10	600	1	1
15	Dalwhinnie ...	03.3	+10	W	4	r c	47	85	42	7		5	2	-	4-6	10	1500	1	*
	Aberdeen ...	01.5	+2	WSW	3	r	52	85	48	6		6	2	-	7-8	10	1500	1	2
	Wick ...	00.6	-10	N	1	r c	48	97	48	5		5	–	–	10	10	300	1	*
16	Sumburgh ...	01.2	-2	ENE	6	d[illegible]	49	97	48	8		5	–	-	10	10	<150	1	4
17	Blacksod Point	10.6	-4	SW'W	3	c-bc	56	85	52	8		8	–	-	7-8	7-8	2500	1	3
18	Malin Head ...	08.4	+2	W'N	5	b-bc	53	75	43	8		2	–	-	2-3	2-3	2500	1	4
	Aldergrove ...	02.8	-4	W'N	3	c-bc	59	65	44	8		8	–	-	7-8	7-8	2500	1	*
19	Birr Castle ...	10.8	-12	S	1	c-bc	60	65	48	8		5	–	8	4-6	7-8	1500	1	*
20	Valentia Obsy.	10.9	-14	S'W	4	c	57	75	49	8		2	3	1	7-8	9	2500	1	4
	Roches Point	12.8	-16	SW'W	4	bc	57	85	53	8		2	–	5	2-3	4-6	1500	1	4

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 23rd (39)	Weather. 13h.—18h. 23rd (40)	Weather. 18h. 23rd to 1h. 24th (41)	Weather. 1h.—7h. 24th (42)
1	London (Kew)	bcucy	cy	cybc	crrrrro
	Croydon ...	bccy	bccy	cybcc	cro cro mo
	S. Farnborough	bccy	cbccy	cycbcc	cir, rrmo
	Boscombe Down	bbcccy	c	cidoc	cidocromo
	Thorney Island	cwcbc	bcc	cciro	cir, orrrm
	Lympne ...	bccbc	bcb	bbcc	cro c
	Manston ...	cbccy	cbcy	bcvyc	cirorofo
2	Shoeburyness ...	cwm, bcy	bcybc	bccmo	cmorr
	Felixstowe ...	bbcy	bcyby	bcbc	ccrofo
	Gorleston ...	bc	bcy	bc	bcc
	Mildenhall ...	ccy	cybcy	bc	bccmrofo
	Cranwell ...	cbcy	bcy4c	bcyb	cmo
3	Birmingham ...	bbc	vprbc	bc	bccpro
	Upper Heyford	bcbcy	bcycybcy	c	crorofmo
4	Ross-on-Wye	bcy	cybcyc	cpoc	ccro
5	Hartland Point	bccbc	bcc	cbcc	ir rre
	Bristol ...	cbcbcy	bcybcc	ccpro c	ccirorrorr
	Portland Bill ...	bcc	co	orr	orr
	Plymouth ...	c	c	cirorofo	crofomo
	The Lizard ...	bcc	bcc	cidrr	crro
	Scilly (St. Mary's)	c	c	r.ro	crofoc
	Guernsey ...				
6	Pembroke ...	bc	bcc	bc	crr
7	Holyhead (Valley)	bbcpl	bccbc	b, cmobw	bbccmo
	Chester (Sealand)	bcy	bc, bcy	cbc	b, bc, cmo
8	Manchester ...	bccbc	bccbcpby	cbybbzo	bcc
10	Spurn Head ...	bc	bc	bc	c
	Catterick (Sc) ...	cbcy	bcbcy	b	bbc
	Tynemouth ...	cq	cbcq	b	bmo
11	St. Abbs Head	c	cbc	bcb	bbcb
	Leuchars ...	crormoc	ccy	cycbc	bc
12	Renfrew (Abbotsl.)	rogproc	cbcy	bccbcb	bwbcwbc
	Eskdalemuir ...	cpro crr	ctpHRcpR	cpro	cbc
	Point of Ayre ...	by	v b bcrc	cb	bbc
13A	Tiree	crofocodrifo	ciroc⊕	bc	bcc
13B	Stornoway ...	cmocifom	cr o r m o	cro r o m c m o m o c i d o m o	
15	Dalwhinnie ...	orr	or o r o	opro	
	Aberdeen ...	rrmo	cr o r o r r m g	cro r o m	cro r o c
	Wick ...	pmofr.rop	or o r o m o	r.r.o fr.o m.c d.c d.c m o	
16	Sumburgh ...	crrrofrofo	cdcof	cir.o m.o	cir.o m.o r.o
17	Blacksod Point	bc	bc	b	pr
18	Malin Head ...	bc	bc	bc	bc
	Aldergrove ...	bccpro	cprbcyc	bcbo	bbcwbw
19	Birr Castle ...	pr	c	*	pr
20	Valentia Obsy.	pr	c	pr	r
	Roches Point	pr	bc	bc	c

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

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate east or southeast wind becoming northwest later; some rain; local thunder: cool.
4 W. Midlands 5 S.W. England 6 S. Wales 7 North Wales 8 N.W. England	Moderate east wind backing northwest; occasional rain at first; bright intervals and local showers later: local thunder: cool.
9 N. Midlands ... 10 N.E. England	As 1-3
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 fresh locally, backing northwest; occasional rain at first, bright intervals and local showers later: cool.
16 Orkneys and Shetlands	As 11-15
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light variable or northwest winds becoming south, moderate later; bright intervals, local thundery showers: cool.

GENERAL INFERENCE

Depressions off Northeast Scotland and Southwest England are moving northeast. There will be considerable rainfall at first over most of England and Wales followed by bright intervals and local showers. In Scotland there will be occasional rain at first, followed by bright intervals.

FURTHER OUTLOOK

Unsettled; rain in western districts spreading northeast.

Forecasts issued at 1300

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

7h. MONDAY 24th MAY 1943.

HIGH

LOW

HIGH

1016 1014 1012 1010 1008 1006 1004 1002 1000

10° 5° W. 0° 5° E. 10°

60° 55° 50°

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

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

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Weather in past hour

Past weather

Scale 1 : 5,000,000

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

Pt.5/1/44/1. No. 809: D.N.545. 6p. 34-8/2. 7440. 5/43

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Monday 24th May

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

NOTE.—The symbols are placed on the side of the line towards which the front is moving.

When the front is stationary the symbols are placed alternately on both sides of the line.

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

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

Monday 24th May 1943 — No. 29768

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	53									
	Croydon ...	290	14·5	−18	SE	1	c	50	92	48	8	5	7	−	1	9	3000
	S. Farnborough	226	13·0	−16	−	0	c	50	85	47	7	5	7	−	4-6	10	3000
	Boscombe Down	417	13·1	−18	−	0	id.	49	97	48	7	−	7	−	0	10	−
	Thorney Island	10	13·1	−20	SE	1	ir.	52	92	50	7	6	2	−	2-3	10	2500
	Lympne ...	283	13·9	−20	SE	2	c	50	97	49	7	5	7	−	2-3	10	3500
	Manston ...	154	15·1	−14	S	1	c	49	92	48	8	−	3	7	0	10	−
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	13·6	−18	SE	2	c	56	85	51	7	−	7	−	0	9	−
	Gorleston ...	5	13·7	−14	WNW	2	bc	53	75	47	7	−	7	−	2-3	4-6	4000
	Mildenhall ...	15	12·8	−18	SSW	1	c-bc	51	85	47	8	5	7	6	Tr	7-8	4000
	Cranwell ...	203	12·6	−10	WSW	1	b	44	85	40	7	−	7	5	0	1	−
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	13·7	−8	−	0	c	49	85	46	7	−	1	−	0	10	−
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	09·9	−30	ESE	3	ir.	51	92	48	8	5	1	−	7-8	10	2500
	Bristol ...	209	12·6	−22	SW	2	c	49	92	47	8	5	2	−	7-8	10	7100
	Portland Bill ...	32	12·8	−30	S	3	rr	51	85	47	7	5	−	−	10	10	2500
	Plymouth ...	82	10·6	−42	SE	3	r.r.	49	97	48	6	5	2	−	7-8	10	800
	The Lizard ...	240	09·4	−36	E	5	r.r.	50	85	46	7	5	−	−	10	10	1500
	Scilly (St. Mary's)	163	07·1	−40	ESE	5	r.r.	50	85	46	6	5	−	−	10	10	1000
	Guernsey ...	175															
6	Pembroke ...	142	10·4	−28	ESE	2	bc	50	97	50	8	2	−	−	4-6	4-6	2500
7	Holyhead (Valley)	32	11·1	−18	S	1	b-bc	49	97	48	8	5	−	5	Tr	2-3	2000
	Chester (Sealand)	16	12·0	−10	−	0	b-bc	44	85	39	7	5	7	−	Tr	2-3	3000
8	Manchester ...	235	12·6	−6	SSE	2	bc	45	75	37	7	5	1	5	1	4-6	3000
10	Spurn Head ...	29	12·6	−6	WSW	1	b-bc	52	65	41	7	7	3	−	2-3	2-3	4000
	Catterick (Sc) ...	192	11·3	−2	SW	1	b	48	85	42	8	4	−	−	Tr	Tr	3000
	Tynemouth ...	108	10·0	−2	SW	3	b-bc	50	85	46	7	2	4	−	1	2-3	2500
11	St. Abbs Head	280	06·8	−6	WSW	4	b-bc	46	85	41	7	5	−	−	2-3	2-3	4000
	Leuchars ...	36	08·5	0	SW	4	bc	47	85	43	8	5	3	1	4-6	4-6	2500
12	Renfrew (Abbots L.)	19	08·1	−4	W's	3	b	47	85	43	7	8	−	−	1	1	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	09·9	−8	W	3	b	47	85	44	8	4	4	−	Tr	1	2500
13A	Tiree	44	06·6	−2	SW	4	bc	49	92	47	7	−	−	6	0	4-6	−
13B	Stornoway ...	15	03·6	+6	NNE	3	2.	50	92	48	6	5	−	−	10	10	1600
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	02·3	+2	WSW	4	r.r.	49	75	42	8	5	2	−	7-8	10	2000
	Wick ...	114	01·2	+4	NNE	2	ir.	48	92	47	4	5	−	−	10	10	500
16	Sumburgh ..	19	00·0	−6	ENE	4	ir.	48	97	47	6	5	2	−	9+	10	700
17	Blacksod Point	18	09·0	−8	−	0	b	47	85	43	8	5	−	−	1	1	2500
18	Malin Head ...	84	08·4	−4	WSW	2	b-bc	48	92	46	8	2	−	−	2-3	2-3	2500
	Aldergrove ...	268	09·6	−6	S	1	b	44	97	43	8	8	−	−	Tr	Tr	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	07·8	−14	E'S	3	r.r.	51	92	49	8	5	2	−	9+	10	1500
	Roches Point	22	08·9	−18	S	3	c-bc	53	97	52	8	5	−	−	7-8	7-8	1500

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

Barom. 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)
06·8	−32	ENE	3	r.r.	51	85	47	5	6	2	−	7-8	10	800	1	*
08·5	−34	NE'E	2	rr	50	92	47	6	6	2	−	4-6	10	900	1	*
06·5	−34	E'N	3	rr	48	92	46	6	6	2	−	9	10	700	1	*
06·1	−38	NE'E	4	r.r.	48	97	47	6	5	1	−	10	10	1000	1	*
05·9	−42	E'E	4	rr	52	92	50	6	6	2	−	7-8	10	800	1	*
08·2	−34	E'E	2	r.r.	52	85	47	7	5	2	−	9+	10	1000	1	2
09·9	−30	E'N	3	c/r	53	85	48	7	5	2	−	4-6	9+	4000	1	*
09·5	−16	ENE	3	c/r	52	85	46	6	5	7	−	2-3	10	4000	1	*
09·3	−26	E'N	2	r.r.	52	85	46	7	5	2	−	4-6	10	5700	1	1
10·3	−18	SW	3	c	53	85	50	7	5	7	−	4-6	9+	2500	0	3
09·0	−22	SE'E	2	r.r.	51	85	48	6	5	7	−	9	10	4000	1	*
08·8	−12	ENE	1	2.	48	85	43	6	5	7	−	2-3	10	3500	0	*
08·1	−18	ENE	1	r.r.	49	85	44	5	6	2	−	4-6	10	800	1	*
07·4	−38	ENE	2	rr	49	92	47	6	6	2	−	9+	10	2500	1	*
06·8	−30	NE'E	2	r.r.	48	92	46	6	6	2	−	4-6	10	2500	1	*
02·6	−26	NE	4	rr	48	97	48	7	6	2	−	7-8	10	800	1	3
06·4	−28	ENE	2	rr	48	97	47	6	6	2	−	7-8	10	600	1	*
03·7	−34	ESE	4	rr	52	92	50	7	5	−	−	10	10	2500	1	5
01·8	−34	SE	2	ir.	51	97	51	7	5	2	−	9	10	600	1	2
99·9	−28	SE	4	o/r	53	97	53	8	5	−	−	10	10	1500	1	4
99·7	−22	NE'E	5	o/r	50	97	49	6	5	−	−	10	10	1000	1	5
05·7	−16	NE	4	rr	48	92	46	7	6	2	−	7-8	10	2000	1	3
08·0	−8	−	0	c	50	92	48	8	5	−	6	Tr	9	1000	1	2
08·6	−18	−	0	2.	46	85	42	5	−	−	6	0	9+	−	1	*
08·8	−18	NE	1	2.	49	85	44	5	−	7	7	0	10	−	0	*
09·2	−22	E'N	2	c	53	85	52	7	7	7	−	4-6	9	4000	0	2
09·3	−10	SSE	1	bc	49	85	44	7	5	−	9	Tr	4-6	4000	0	*
09·5	+4	SW	2	2.	53	75	46	6	−	4	−	0	2-3	−	0	2
06·0	−4	SW	1	b-bc	49	85	44	8	4	4	−	1	2-3	4000	0	3
04·9	−2	SW	4	bc	50	75	44	8	5	7	1	Tr	4-6	3000	0	*
06·8	−6	WSW	4	c-bc	52	75	44	8	8	−	2	4-6	7-8	2000	1	*
07·2	−10	S'E	3	b	48	85	44	8	5	−	−	1	1	1500	1	*
09·9	−8	NW	1	b-bc	54	85	48	8	−	4	−	0	2-3	−	0	1
05·9	−2	WSW	4	c	50	85	47	8	5	7	−	4-6	9	1200	1	3
04·3	−2	NNE	3	id.	49	92	48	6	5	2	−	9	10	1200	1	2
02·0	0	WSW	3	pr	45	85	42	7	5	2	−	7-8	10	1500	1	*
03·1	−4	SW	2	c/r	50	85	45	8	5	7	−	9	10	2000	1	2
01·5	+2	NNW	3	o/d	48	97	47	6	5	−	−	10	10	800	1	*
98·8	−2	NNE	4	r.r.	48	97	48	6	5	−	−	10	10	600	1	3
07·8	+2	−	0	pr	52	75	44	8	9	−	−	9+	9+	2500	1	4
07·1	−6	SW	2	b-bc	51	85	46	8	2	−	−	2-3	2-3	2500	1	2
07·7	−10	−	0	2.	49	85	45	6	5	4	−	2-3	2-3	3000	1	*
07·4	0	SSE	1	c	46	97	45	7	5	−	−	10	10	2500	1	*
07·3	+6	−	0	ir.	51	92	49	8	5	7	−	2-3	10	2500	1	1
06·2	−2	E'S	3	c	52	97	51	8	5	1	−	4-6	9+	1500	1	*

PAST 24 HOURS.

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)
65	50	36	+	3	8·0
67	49	45	+	1	11·7
67	42	40	−	3	11·9
64	47	47	−	3	10·5
64	50	46	−	1	*
63	48	*	−	1	11·8
67	48	+	−	1	1·7
69	47	43	−	2	11·7
70	52	45	−	0·2	13·[illegible]
67	51	43	−	−	[illegible]
66	49	43	−	Tr	14·5
67	42	33	−	−	13·9
63	47	37	0·1	0·1	12·9
64	48	39	−	2	*
63	48	43	−	1	12·6
57	47	46	−	8	10·1
64	47	42	−	4	10·0
56	49	*	−	6	*
58	47	46	−	13	13·4 / 8·4
61	49	*	−	15	8·4
60	49	*	−	10	8·4
56	47	*	−	3	11·2
58	42	32	−	−	*
64	40	29	−	−	14·7
68	39	30	Tr	−	*
64	47	*	−	−	13·7
60	42	36	−		12·5
60	49	45	−	−	*
59	45	*	−	−	*
57	45	38	5	−	0·0
59	45	36	0·1	−	8·1
56	40	33	12	1	4·3
63	43	*	0·5	0·2	11·7
54	48	46	3	Tr	0·0
51	47	47	2	3	0·0
49	44	*	7	1	0·0
52	48	45	16	7	0·0
48	47	46	5	3	*
52	47	45	3	0·2	0·2
58	44	*	0·2	−	*
57	45		−	−	11·5
61	38	34	1	0·2	11·2
63	41	37	1	1	10·0
60	50	46	Tr	2	8·1
60	51	*	0·4	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 23rd May: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 24th May: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	62518	07468	5-	62628	07268	5-	51648	01468	52	51636	32468
115	--	48109	08269	--	68009	01269	--	44100	04369	52	09635	02448
202				6-	62738	20468				--	22182	61745
208	62	64745	24168	62	64645	00068	52	62657	24368	87	22856	00067
219	5-	62555	23268	52	62645	22368	62	62635	22347	6-	51745	22368
219	62	64626	20268	62	61617	21468	5-	64628	24368	52	22744	06268
230	62	62746	53468	82	02855	22468	8-	01844	53414	8-	02857	02327
245	62	62635	23468	52	22951	23467	07	02890	22326	62	62866	23266
260	5-	02746	22666	10	01863	56614	04	01790	53401	10	01752	20412
278	36	01854	28484	26	01853	22384	54	01851	00011	14	01841	06101
279	30	01854	52524	36	35854	53685	20	01754	20384	5-	01844	22214
285				-						13	01743	28314
288	20	01854	54614	2-	02864	53514	05	01890	17201	00	01890	20212
575	20	25864	22584	30	01753	28314	50	05651	16111	3-	41444	00044
301	24	01852	22583	24	01853	22515	04	01790	20201	00	05590	10224
321	2-	02755	24425	20	01853	22314	00	05630	18113	57	08464	00027
2.9	20	02754	22414	24	01753	22314	40	00751	22201	54	01752	24103
292	20	02865	22585	20	01962	55512	04	01890	20101	03	05690	00015
310										--	08426	08316
614	2-	01854	57424				50	05661	00004	52	05564	04228

	13h. G.M.T. 23rd May: $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 24th May: $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T.: $C_L C_M$	wwVhN$_h$	DDFWN
333	24	02744	31524	20	01754	20514	07	05690	00016	5-	04975	29126
334										--	04455	02116
340	20	01964	24514	24	01963	22214	57	02865	16115			
136	20	01864	23514	10	01864	22315	44	01763	18214	51	02765	16228
336										62	62626	16338
350	2-	02855	53325	10	01861	22314	04	01790	16112	02	62668	08268
368	20	02863	26415	57	02854	22416	57	02745	12218	62	64435	10368
379	2-	02855	22425				00	02790	18228	57	64664	04468
390	80	02865	22415	80	01864	24224	00	05680	16100	52	22654	08268
382	2-	01854	23425	23	02855	26226	07	02890	00028	52	64645	07268
438	70	02645	22515	24	01652	22314	5-	03749	00018	52	62645	08368
430	20	01854	21414	04	02890	20206	5-	22643	08258	52	64637	06368
409	23	02863	22327	22	02853	19228	52	61744	14468	57	52635	06467

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 24th May
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 ...	bc u cy	cy bc	cr r r r o
Croydon ...	bc cy	bc cy	cr c r o m o
Greenwich ...	bc y	bc ⊕ y	bc c r r
Camden Square	bc	bc	*
Kensington ...	bc	bc	*
Hampstead ...	bc	bc	or

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. MAX. 0·3 24th. MIN. <0·1 9–24h 23rd.

Stations.	Temperature: Day Max °F	Temperature: Night Min °F	Temperature: Min on grass °F	Rainfall: Day mm	Rainfall: Night mm	Sunshine to sunset hrs (Yesterday)	Humidity: 15h % (Yesterday)	Humidity: 9h % (To-day)
Kew ...	65	50	36	−	3	8·0	*	*
Croydon ...	67	49	45	−	1	11·7	*	*
Greenwich ..	68	49	37	−	4	11·3	35	92
Westminster ..	67	50	46	4			51	94
Regents Park ..	*	50	44	−	4		72	93
Camden Square	65	50	47	−	4		*	91
Kensington ...	68	50	41	−	4		58	94
Hampstead ...	66	47	42	−	4		*	96

SECRET

Page 1

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

Tuesday 25th May 1943 — No. 29769

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

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)	01·2	-14	E'N	2	2_o	56	85	50	6	8	3	-	7-8	9+	2500
	Croydon ...	02·4	-20	E	1	c	58	85	54	6	5	-	-	4-6	9+	1500
	S. Farnborough	01·1	-14	W	1	c/r	53	92	51	7	8	7	-	7-8	10	600
	Boscombe Down	01·2	-10	S'E	3	$+_o^+$	52	97	52	7	5	2	-	9	10	800
	Thorney Island	01·8	-14	SSE	2	c/r	55	85	52	8	5	7	-	7-8	10	800
	Lympne ...	02·2	-20	S	3	c-bc	61	75	52	8	2	5	5	7-8	7-8	1500
	Manston ...	03·3	-30	S	4	c-bc	59	85	53	7	7	-	-	7-8	7-8	2500
2	Shoeburyness ...	02·9	-14	SE	3	c-bc/r	58	85	53	7	5	3	-	4-6	7-8	4000
	Felixstowe ...	03·4	-26	NE	4	Tr	54	97	52	5	5	2	-	4-6	10	1800
	Gorleston ...	06·2	-22	ENE	4	r_o^o	53	85	49	7	6	-	-	10	10	1000
	Mildenhall ...	04·0	-22	ENE	4	$+r_o^+$	52	97	51	8	5	2	-	7-8	10	2500
	Cranwell ...	05·5	-16	ENE	2	r_o^o	52	85	49	6	6	2	-	4-6	10	800
3	Birmingham ...	03·5	-2	NE	4	r_o^o	50	92	48	4	6	-	-	10	10	800
	Upper Heyford	01·3	-22	E'N	3	r_o^o	52	97	50	6	6	2	-	7-8	10	600
4	Ross-on-Wye	03·4	-16	NE	4	dr	50	92	48	6	6	-	-	10	10	800
5	Hartland Point	01·8	+12	NE	5	pr	49	97	49	6	6	2	-	9+	10	1000
	Bristol ...	02·3	-14	NE	2	r_o^o	50	97	49	5	6	2	-	10	10	500
	Portland Bill ...	02·1	-6	SW	4	c-bc	56	92	54	8	5	4	-	4-6	7-8	4000
	Plymouth ...	01·2	+8	SW	3	pr	55	97	54	9	-	9	-	9	9	2500
	The Lizard ...	01·7	+20	NW	5	+r	52	97	52	5	5	-	-	10	10	1000
	Scilly (St.Mary's)	06·1	+18	NNW	6	c/r	51	92	49	7	8	7	5	7-8	9+	1500
	Guernsey ...															
6	Pembroke ...	05·2	+2	N	4	r_o^o	51	97	51	7	8	2	-	4-6	10	2000
7	Holyhead (Valley)	05·7	-8	NE'N	3	c	57	65	45	8	5	2	7	Tr	10	700
	Chester (Sealand)	06·1	-14	SE	2	c	57	55	42	6	5	2	-	9	10	2500
8	Manchester ...	05·2	-12	E'S	3	in_o	57	85	54	7	5	2	-	4-6	10	3000
10	Spurn Head ...	07·2	-2	SE's	4	c	56	85	50	7	7	7	-	7-8	10	2500
	Catterick (Sc) ...	06·6	-8	S	2	c	63	45	43	8	2	2	8	2-3	9	4000
	Tynemouth ...	06·4	-8	SE	3	2_o	53	85	47	6	8	-	-	7-8	7-8	2200
11	St. Abbs Head	05·3	-4	NW	2	bc	55	75	46	9	1	4	-	4-6	4-6	4300
	Leuchars ...	04·7	+2	N	4	pr_o	56	65	42	9	8	7	-	7-8	10	2500
12	Renfrew (Abbots I.)	05·7	-4	W	3	c-bc	61	55	44	8	1	6	5	4-6	7-8	2200
	Eskdalemuir ...	05·0	-8	W's	2	bc	58	55	41	8	7	7	-	4-6	4-6	2500
	Point of Ayre ...	06·4	-8	NNW	1	b-bc	58	75	48	8	2	-	5	1	2-3	3000
13A	Tiree	05·9	+2	NW'W	3	c/r	51	92	49	7	5	7	-	9	10	800
13B	Stornoway ...	05·3	+4	NNE	3	c/d	50	92	47	7	5	-	-	9+	9+	1200
15	Dalwhinnie ...	04·5	+2	SW	3	o	48	92	46	7	5	-	-	10	10	1500
	Aberdeen ...	03·5	+4	WNW	2	pr_o	53	55	45	8	8	8	-	9	10	2500
	Wick ...	02·6	+6	WNW	4	c	52	85	47	8	8	-	-	9+	9+	1200
16	Sumburgh ...	99·7	+6	NE	3	c	49	97	48	7	5	-	-	10	10	1900
17	Blacksod Point	08·2	+2	NW	2	c	56	75	48	8	8	-	-	9+	9+	2500
18	Malin Head ...	06·5	-2	W	4	b-bc	56	65	44	8	2	-	-	2-3	2-3	2500
	Aldergrove ...	06·4	-10	N	1	bc	60	65	46	8	2	-	1	4-6	4-6	3000
19	Birr Castle ...	07·1	0	N	1	c	59	65	47	8	5	2	-	7-8	9+	2500
20	Valentia Obsy.	09·1	+12	W'N	3	c	54	85	50	9	2	1	-	1	10	2500
	Roches Point	07·7	+10	W	2	pr	54	85	50	8	3	1	-	4-6	9+	1500

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

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)	00·7	+4	NW'N	2	ir$_o$	55	85	49	6	8	7	-	7-8	9+	2500	1	*
	Croydon ...	00·9	+2	NNW	2	pr	55	85	50	6	8	6	-	4-6	9+	1000	1	*
	S. Farnborough	00·6	+2	NNW	1	$r_o^o r_o$	54	85	50	7	7	7	-	9	10	700	1	*
	Boscombe Down	01·7	+10	NW'W	3	$r_o^o r_o$	52	97	52	7	5	2	-	9	10	800	1	*
	Thorney Island	01·2	-6	SW'W	3	RR	54	92	52	4	9	2	-	9	10	1000	2	*
	Lympne ...	00·1	-6	SSE	2	c/pr	54	97	53	8	9	6	-	7-8	9+	700	1	2
	Manston ...	00·0	-10	SSW	3	pr	55	97	53	7	8	6	-	9+	10	1000	1	*
2	Shoeburyness ...	01·0	-4	-	0	pr	60	76	52	8	8	4	-	4-6	9+	2500	1	*
	Felixstowe ...	99·7	-6	SE'E	3	c/pr	58	85	52	7	8	3	-	9	9+	3600	1	3
	Gorleston ...	00·8	-14	ESE	4	c/pr	54	85	51	7	8	-	-	7-8	7-8	1000	1	3
	Mildenhall ...	00·9	-12	NE'N	4	c	52	92	51	7	5	-	-	10	10	1000	1	*
	Cranwell ...	03·7	-6	NE'N	3	$r_o^o r_o$	52	85	49	7	6	2	-	4-6	10	1000	1	*
3	Birmingham ...	04·0	+4	NNE	3	ir$_o$	49	97	48	4	6	-	-	10	10	800	1	*
	Upper Heyford	01·5	+6	NE	3	dr	51	92	49	6	6	2	-	9	10	800	1	*
4	Ross-on-Wye	03·8	+14	N	3	ir$_o$	50	92	48	6	6	2	-	9	10	1000	1	*
5	Hartland Point	07·1	+82	NW	4	c/r	51	85	48	8	6	2	-	7-8	9+	1000	1	3
	Bristol ...	03·6	+14	NW	3	$d_o^o d_o$	50	97	50	5	6	-	-	10	10	450	1	*
	Portland Bill ...	03·4	+6	W	4	o	53	85	49	7	5	-	-	10	10	2500	1	4
	Plymouth ...	07·7	+46	NW	4	c/pr	52	85	48	8	8	-	-	9	10	2500	1	2
	The Lizard ...	09·4	+34	WNW	6	c-bc	52	85	46	8	5	6	-	7-8	7-8	1500	1	5
	Scilly (St.Mary's)	10·5	+22	NW'W	5	c	54	85	49	8	8	3	-	2-3	10	1500	1	4
	Guernsey ...																	
6	Pembroke ...	07·5	+10	NW	4	c	52	92	50	8	8	6	-	4-6	10	2000	1	3
7	Holyhead (Valley)	06·5	+8	N	3	c	55	85	49	8	5	7	2	1	9	200	1	2
	Chester (Sealand)	05·9	+2	NNW	2	c	53	85	48	6	5	-	-	10	10	2500	1	*
8	Manchester ...	05·1	+2	NW'N	3	m	54	75	46	4	5	3	-	7-8	9+	2500	0	*
10	Spurn Head ...	04·4	-8	ENE	3	ir$_o$	53	85	50	7	5	7	-	4-6	10	2500	1	2
	Catterick (Sc) ...	04·8	0	SSE	1	ir$_o$	59	65	45	6	8	-	-	9	9	2500	1	*
	Tynemouth ...	05·6	-2	SSE	3	bc	53	65	43	7	-	3	2	0	4-6	-	0	2
11	St. Abbs Head	05·1	0	E	1	bc	56	85	50	7	1	4	-	2-3	4-6	3500	0	2
	Leuchars ...	04·5	+4	N	2	c	57	65	45	9	2	7	-	1	9+	3500	0	*
12	Renfrew (Abbots I.)	06·0	+2	W'S	3	c	55	75	47	8	8	7	-	9	9+	1800	0	*
	Eskdalemuir ...	04·5	0	N'N	3	b-bc	58	45	38	8	7	7	-	1	2-3	2500	0	*
	Point of Ayre ...	06·2	0	NW	4	b-bc	56	85	50	8	-	-	4	0	2-3	-	0	2
13A	Tiree	06·1	-2	WNW	2	c	51	92	49	7	5	3	-	4-6	10	1500	1	2
13B	Stornoway ...	06·5	+12	N	3	c/d	51	85	47	7	5	2	-	9+	10	1200	1	2
15	Dalwhinnie ...	05·2	+12	SW	3	c	43	85	46	7	5	5	-	7-8	9+	2500	1	*
	Aberdeen ...	04·3	+6	-	0	ir$_o$	53	85	50	5	3	6	-	7-8	10	2500	1	1
	Wick ...	03·8	+6	NW	3	c/pr	51	85	47	8	8	-	-	9+	9+	1000	1	*
16	Sumburgh ...	00·9	+6	NW	3	$d_o d_o$	49	97	48	7	5	7	-	9	9+	1200	1	3
17	Blacksod Point	09·3	+4	NW	2	c	55	85	50	8	8	-	-	10	10	2500	1	2
18	Malin Head ...	06·7	0	WNW	4	b-bc	54	65	43	8	2	-	3	2-3	2-3	2500	1	3
	Aldergrove ...	07·3	+12	NW'N	2	bc	59	55	45	9	7	-	5	4-6	4-6	3000	1	*
19	Birr Castle ...	08·2	+12	N	2	c	58	65	45	8	5	1	-	7-8	9+	2500	1	*
20	Valentia Obsy.	10·5	+6	W'N	2	bc	56	75	48	9	2	1	1	4-6	4-6	2500	1	2
	Roches Point	09·7	+8	N'N	4	pr	54	85	50	8	3	1	-	4-6	9+	1500	1	3

PAST 24 HOURS.

Weather. 7h.—13h. 24th. (39)	13h.—18h. 24th (40)	18h. 24th to 1h. 25th (41)	1h.—7h. 25th (42)
$x_o^+ +^+ cm_o$	$r_o^o r_o r_o$	$e r_o r_o c$	cbcz$_o$
$r_o^o cm_o$	$cm_o r_o$	$pr_o d_o r_o r_a$	$r_o r_o$ bc
$cr_o r_o r_o^o m_o$	$cc i r_o r_o$	$cr_o cm_o r_o r_o$	cm_o mbcb
$cr_o m_o c r_o$	$cr_o r_o$	$cr_o r_o m_o cm_o$	cmob
$r_o r_o c r_o^o r_o$	$cr_o r_o r_o$	$cr_o r_o m_o cm_o$	bcbw
$cr_o r_o r_o m_o$	cbcpr	cR$_o$ ir$_o$	ir$_o$ m$_o$
$cr_o r_o r_o cm_o$	cbcyc	$cpr_o r_o m_o m_o$	$cm_o ir_o d_o c$
$cr_o r_o r_o r_o c$	cpr	cpr$_o$ bc	bcbcm$_o$
$cr_o r_o m_o$	bcpr$_o$	cpr_o z$_o$	c
$cm_o cr_o r$	$cr_o r_o r_o$	$cr_o r_o m_o cm_o$	$cm_o cm_o$
$cr_o r_o m_o$	$cr_o r_o m_o$	$cm_o bcm_o$	bcm$_o$
orr	or$_o$	orbc	cb
$cr_o r_o r_o r_o m_o$	$cr_o r_o d_o r_o m_o$	$d_o r_o r_o m_o bcm_o$	$b cm_o bcb$
$r_o r_o r_o$	$r_o d_o d_o r$	cir$_o$	cbbc
$+^+ +_o^+ c$	$r_o r_o$	cbc	cbcw
$cr_o m_o d_o r_o m_o$	$cd_o r_o m_o$	$m_o d_o d_o r_o m_o$	$ir_o cm_o cbc$
oc	co	o	cbc
bcc	$cpr_o m_o$	$cpr_o cm_o c$	$cb cbcbm_o$
$cr_o r_o r$	orrc	cbc	bc
$cir_o d_o$ nc	c	cbcw	bcbw
$r_o r_o q$	ir$_o$c	cbcc	bc
c	cjf	cw	befg
$cz_o y$	$cz_o y r_o r_o$	$c_o bcm_o$	$bc_o cm_o c$
$cm_o z_o y$	$ir_o r_o r_o z_o$	$bcff bm_o$	bcmcw
c	$cr_o r_o$	$cpr_o bc$	cz_o
bccy	cy	$cm_o bm_o b$	bcw
$bc_o cm_o$	cbc	bccm	$cm_o bcc$
bc	$bcbc$	$bcm_o cm_o$	cm_o
$bcpr_o cpr_o$	$pr_o ir_o c$	cbc	$cr_o m_o id_o m_o$
bccbcy	$bcybcc$	$cbccubcw$	$cm_o ow cw$
bcy	cybcy	bcybc	bc
bcffb	bccb	b	bbccb
$cr_o d_o d_o r_o$	c	$cc i d_o r_o r_o$	$cr_o c$
$cir_o d_o m_o$	$cm_o ic d_o m_o$	$cir_o d_o m_o cm_o c$	cbcc
$pp r_o$	$opr_o c$	$cpr_o ir_o m_o$	$cm_o ic$
cpr_o	$cpr_o ir_o m_o$	$cir_o m_o r_o cm_o$	$cm_o c$
$cm_o ir_o c$	cprc	$cir_o d_o cm_o$	cjpc
cbc	$cir_o d_o d_o d_o$	$cir_o d_o m_o$	$cr_o r_o d_o d_o m_o c$
pr	c	r	c
bc	bc	bc	bc
$bw m_o bc$	cbcy	bc	bccw
c	c	*	r
r$_o$	c	pr	bc
pr$_o$	pr	r	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 25th May 1943

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

Moderate or fresh northwesterly wind, falling light temporarily, then backing southwest and freshening again; fair at first apart from a few scattered showers, cloudy conditions with occasional rain spreading from Southwest later; rather cool.

5	S.W. England
6	South Wales

Moderate southwest winds, freshening; cloudy, some rain soon spreading from southwest; rather cool.

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

Light northwesterly or variable winds, becoming southerly and freshening later; bright periods and local showers at first, cloudy with occasional rain later; rather cool.

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

Light variable winds; occasional showers, some bright intervals; rather cool

16	Orkneys and Shetlands

As 13A - 15.

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

As 7 - 12.

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

As 5 - 6.

GENERAL INFERENCE

A ridge of high pressure is moving east across the British Isles and a complex depression is approaching slowly from southwest. Weather will be rather cool generally, and fair at first apart from some scattered showers, but cloudier conditions with occasional rain will soon begin to spread up from southwest.

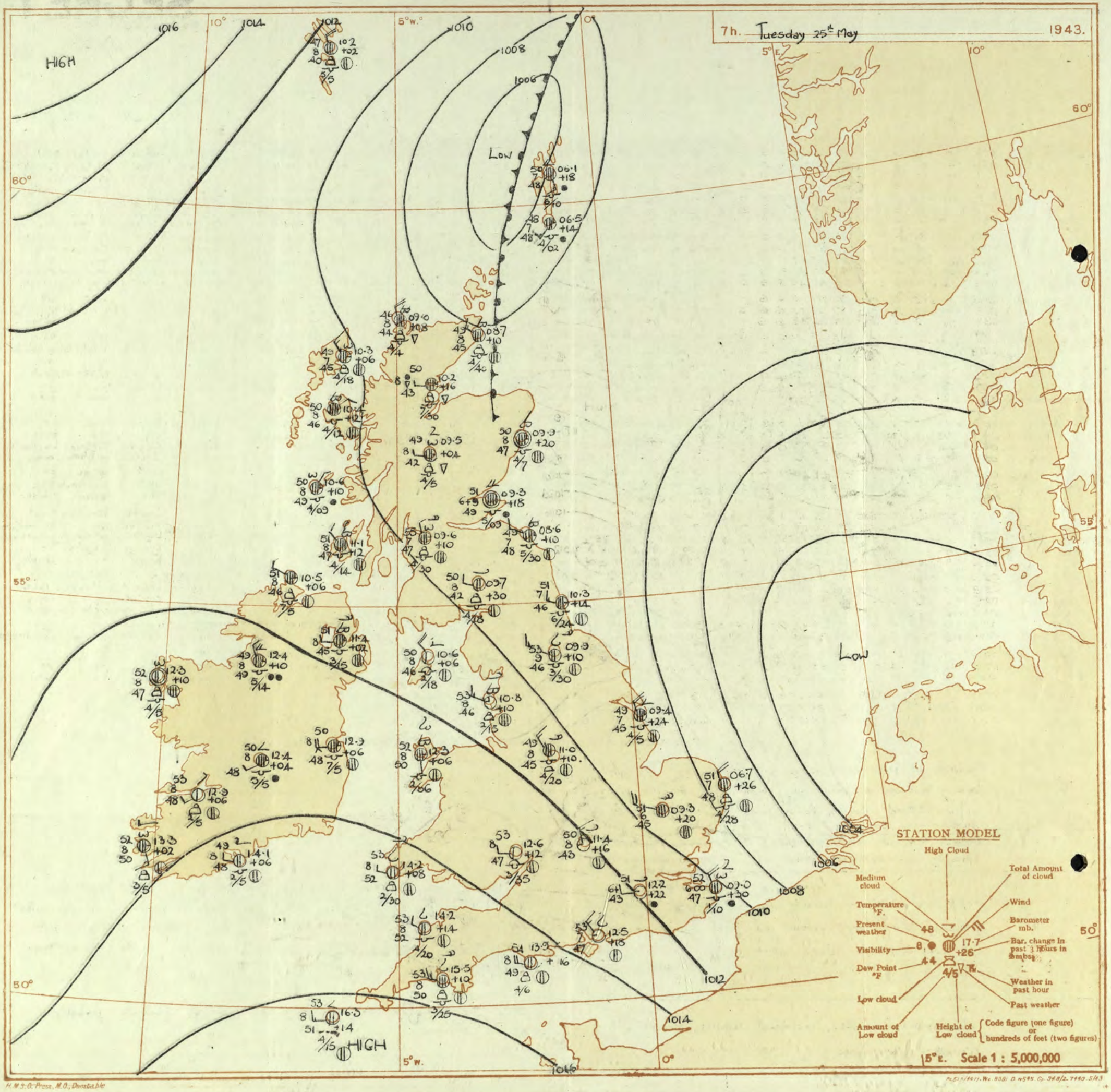
FURTHER OUTLOOK

Unsettled southwesterly type persisting but rainfall amounts probably small in southeast

Forecasts issued at 10·30

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

7h. Tuesday 25th May 1943.



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Tuesday 25th May

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

BRITISH SECTION

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

Tuesday 25th MAY 1943 No. 2376

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

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	*			*	*	50							*	*	*
	Croydon ...	290	07·2	+30	W'N	3	ir.	50	92	48	6	5	-	-	10	10	1500
	S. Farnborough	226	07·8	+26	NW'W	3	z.	50	92	48	6	5	-	-	10	10	1100
	Boscombe Down	417	10·0	+26	WNW	4	z.	49	92	47	6	5	-	-	4-6	10	2000
	Thorney Island	10	08·4	+32	W'N	4	c/r	51	92	48	6	6	2	-	2-3	10	2000
	Lympne ...	283	04·3	+22	NW	5	ir.	50	97	49	6	-	2	-	10	10	2500
	Manston ...	154	02·7	+18	NW	4	c/r	52	85	49	5	6	2	-	9	10	1000
2	Shoeburyness ...	11	*		*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	02·7	+16	NW'W	4	z.	52	92	51	6	5	2	-	7-8	10	1500
	Gorleston ...	5	01·8	+6	N'W	4	z.	52	92	50	6	5	-	-	10	10	1500
	Mildenhall ...	15	04·7	+22	NW	3	c/r	50	92	48	6	6	2	-	2-3	10	600
	Cranwell ...	203	06·5	+10	W'N	2	z.	48	92	46	6	5	-	-	2-3	2-3	3000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	07·7	+22	WNW	3	z.	47	97	46	6	-	7	8	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	12·0	+16	NW	3	bc	52	92	50	8	5	-	-	4-6	4-6	2500
	Bristol ...	209	10·3	+18	W	2	bc/r	48	92	46	6	5	-	2	4-6	4-6	4000
	Portland Bill ...	32	11·2	+34	W	4	o	52	85	48	7	5	-	-	10	10	2500
	Plymouth ...	82	13·4	+18	WNW	3	z.	52	92	50	7	4	7	2	2-3	7-8	2400
	The Lizard ...	240	13·7	+18	WNW	5	bc	51	92	49	8	8	-	-	4-6	4-6	1500
	Scilly (St.Mary's)	163	14·0	+12	WNW	4	b-bc	51	92	49	8	5	-	-	2-3	2-3	1500
	Guernsey ...	175															
6	Pembroke ...	142	11·8	+12	NW'W	3	c	52	92	50	8	5	-	-	9	9	2500
7	Holyhead (Valley)	32	10·8	+14	WSW	1	pr	50	92	48	6	7	-	-	4-6	9+	800
	Chester (Sealand)	16	09·0	+20	WNW	3	b-bc	48	85	44	6	5	-	1	2-3	2-3	3000
8	Manchester ...	235	08·5	+14	W'N	3	z.	47	92	45	6	5	-	-	1	1	4000
10	Spurn Head ...	29	05·9	+6	N'W	3	bc	51	85	47	7	7	-	-	4-6	4-6	2500
	Catterick (Sc.)...	192	06·5	+4	W	2	b	49	75	41	7	-	3	-	0	1	-
	Tynemouth ...	108	06·9	+6	N	2	m	48	92	46	4	5	-	-	7-8	7-8	2500
11	St. Abbs Head	280	06·6	+6	WNW	1	c-bc	50	92	48	7	5	-	-	7-8	7-8	2500
	Leuchars ...	36	06·7	+10	-	0	c-bc	49	85	46	8	5	-	-	7-8	7-8	3000
12	Renfrew (Abbotsl.)	19	08·0	+10	W	1	z.	47	92	45	6	8	7	-	7-8	9	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	02·2	+10	N'E	4	b	51	85	45	8	5	-	-	T	T	2000
13A	Tiree	44	08·8	+10	NW	2	ir.	50	97	49	7	8	7	-	4-6	10	2000
13B	Stornoway ...	15	09·1	+14	NNW	3	c	48	92	46	8	5	2	-	4-6	10	2800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	06·8	+8	-	0	pr	49	92	47	8	8	7	-	7-8	9+	2100
	Wick ...	114	06·7	+10	NW	1	c/d	48	92	46	6	5	-	-	9	9	4200
16	Sumburgh ..	19	03·7	+10	SW'S	4	id.	48	97	47	6	5	-	-	9	10	700
17	Blacksod Point	18	10·7	+6	-	0	vr	51	92	49	7	6	2	-	4-6	10	1500
18	Malin Head ...	84	09·2	+12	W'N	2	bc	51	85	47	8	4	-	-	4-6	4-6	2500
	Aldergrove ...	268	10·1	+10	WNW	1	bc	47	85	44	8	5	-	-	4-6	4-6	4000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13·1	+2	SSW	3	b-bc	49	92	47	8	5	-	-	2-3	2-3	2500
	Roches Point	22	12·6	+6	NW	3	bc	51	92	49	8	5	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 25th MAY

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)	11·7	+18	NW	2	z.	53	65	42	6	5	-	1	2-3	2-3	4000	1	*
	Croydon ...	12·2	+22	W'S	2	b	51	75	43	6	-	-	1	0	Tr	-	1	*
	S. Farnborough	12·3	+22	WNW	3	b	51	75	45	8	-	7	1	0	Tr	-	1	*
	Boscombe Down	13·8	+20	W'N	3	b-bc	51	85	46	7	2	-	-	2-3	2-3	3000	1	*
	Thorney Island	12·5	+18	NW'W	3	b	53	75	47	7	-	4	-	0	Tr	-	1	*
	Lympne ...	10·3	+14	NW	4	z.	50	85	47	5	5	-	1	4-6	7-8	500	0	4
	Manston ...	09·0	+30	NW'W	4	z.	52	85	47	6	5	3	6	Tr	7-8	1000	1	*
2	Shoeburyness ...	01·8	+10	WNW	2	z.	52	85	47	6	1	-	1	Tr	4-6	2500	1	*
	Felixstowe ...	08·3	+26	WNW	5	z.	53	75	46	5	-	8	9	0	4-6	-	0	4
	Gorleston ...	06·7	+26	NW	4	c-bc	51	85	48	7	8	7	-	4-6	7-8	2800	1	3
	Mildenhall ...	09·3	+20	WNW	4	c-bc	51	75	45	6	-	-	2	0	7-8	-	1	*
	Cranwell ...	09·6	+18	WNW	4	z.	51	75	44	6	-	3	-	0	Tr	-	1	*
3	Birmingham ...	12·4	+14	WNW	3	z.	49	75	42	5	-	-	-	0	0	-	1	*
	Upper Heyford	11·4	+16	NNW	3	b	50	75	43	8	-	-	1	0	1	-	1	*
4	Ross-on-Wye	12·6	+12	W	2	b-bc	53	75	47	8	4	-	-	2-3	2-3	3500	1	*
5	Hartland Point	14·2	+14	WNW	2	bc	53	97	52	8	5	4	-	4-6	4-6	2000	1	3
	Bristol ...	13·4	+14	W	3	c-bc	52	92	50	7	5	4	-	7-8	7-8	800	1	
	Portland Bill ...	13·9	+16	W	4	bc	54	85	49	8	2	-	-	4-6	4-6	4000	1	5
	Plymouth ...	15·5	+10	WNW	3	c-bc	53	92	50	8	8	4	2	2-3	7-8	2500	1	2
	The Lizard ...	16·5	+2	W	4	bc	53	92	51	8	8	6	-	4-6	4-6	2000	1	
	Scilly (St.Mary's)	16·3	+14	WSW	3	c	53	92		8	6	1	-	4-6	9+	1500	1	4
6	Pembroke ...	14·2	+8	W'N	2	bc	53	97	52	8	2	4	1	1	4-6	3000	1	2
7	Holyhead (Valley)	12·3	+6	S	1	c	52	92	50	8	5	7	9	1	9	600	1	1
	Chester (Sealand)	12·1	+18	WNW	2	c	52	75	45	8	5	-	-	4-6	9+	2000	0	*
8	Manchester ...	11·9	+14	NW	3	z.	51	85	47	6	2	6	-	4-6	4-6	2000	0	*
10	Spurn Head ...	09·4	+24	NW	4	c	49	85	45	7	5	1	-	4-6	9+	2500	0	3
	Catterick (Sc.)...	09·9	+10	WNW	3	bc	53	75	46	9	5	4	2	2-3	4-6	3000	0	*
	Tynemouth ...	10·3	+14	W	3	c	51	85	46	7	5	-	-	9	9	2400	0	3
11	St. Abbs Head	08·6	+10	WNW	2	c	49	97	48	7	5	7	-	7-8	9+	3000	0	2
	Leuchars ...	09·3	+18	-	0	id.	51	92	49	6	5	2	-	7-8	10	900	1	*
12	Renfrew (Abbotsl.)	09·6	+10	NW'N	1	c	55	75	47	7	8	3	2	4-6	9	3000	0	*
	Eskdalemuir ...	09·7	+30	W'N	2	bc	50	75	42	8	8	-	1	4-6	4-6	1800	0	*
16	Sumburgh ..	10·6	+6	NW	4	b-bc	50	85	46	8	4	-	5	1	2-3	1800	0	3
17	Blacksod Point	12·3	+10	-	0	bc	52	85	47	8	8	3	-	4-6	4-6	2500	1	1
18	Malin Head ...	10·5	+6	WNW	2	c	51	85	46	8	8	-	-	9+	9+	2500	1	2
	Aldergrove ...	11·4	+2	W	1	c	51	85	45	8	5	7	2	2-3	9+	1500	1	*
19	Birr Castle ...	12·4	+4	SW	1	c	50	92	48	8	5	1	-	7-8	9+	2500	1	*
20	Valentia Obsy.	13·3	+2	SSE	3	c	52	92	50	8	2	3	5	2-3	9	2500	1	1
	Roches Point	14·1	+6	W	1	bc	49	97	48	8	5	-	5	1	4-6	2500	1	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 24th Hrs. (38)
1	London (Kew)	58	48	42	11	1	0·1
	Croydon ...	61	48	45	7	3	1·2
	S. Farnborough	56	46	40	16	1	0·0
	Boscombe Down	54	44	42	15	1	0·0
	Thorney Island	60	48	46	15	4	*
	Lympne ...	61	49	47	7	2	0·0
	Manston ...	64	51	49	3	2	4·1
2	Shoeburyness ...	64	48	47	3	1	3·3
	Felixstowe ...	61	49	50	8	0·6	2·9
	Gorleston ...	54	51	51	5	Tr	*
	Mildenhall ...	53	46	44	7	-	0·0
	Cranwell ...	66	44	42	5	1	0·0
3	Birmingham ...	50	45	38	9	1	0·0
	Upper Heyford	54	44	37	9	0·4	*
4	Ross-on-Wye	50	45	39	8	0·6	0·0
5	Hartland Point	51	50	47	4	-	0·0
	Bristol ...	51	45	39	7	2	0·0
	Portland Bill ...	56	49	*	5	-	*
	Plymouth ...	59	49	44	3	0·1	3·4
	The Lizard ...	53	50	*	3	2	3·5
	Scilly (St.Mary's)	56	50	*	2	Tr	2·7
	Guernsey ...						
6	Pembroke ...	53	50	*	3	Tr	0·0
7	Holyhead (Valley)	59	44	33	-	0·4	*
	Chester (Sealand)	61	47	41	1	-	1·6
8	Manchester ...	49	43	32	0·1	-	*
10	Spurn Head ...	57	47	*	0·6	1	0·4
	Catterick (Sc.)...	65	44	35	Tr	-	9·5
	Tynemouth ...	57	48	42	-	-	*
11	St. Abbs Head	57	48	*	-	-	
	Leuchars ...	59	48	43	Tr	1	5·8
12	Renfrew (Abbotsl.)	62	45	37	-	-	10·2
	Eskdalemuir ...	61	44	34	-	-	13·9
16	Sumburgh ..	59	49	*	-	-	14·4
17	Blacksod Point	57	48	*	Tr	5	*
18	Malin Head ...	56	49		-	-	12·3
	Aldergrove ...	63	43	38	-	-	13·6
19	Birr Castle ...	61	43	39	-	0·6	4·1
20	Valentia Obsy.	57	45	39	Tr	0·1	2·1
	Roches Point	57	47	*	0·5	3	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 24th MAY ... 18h. G.M.T. | 01h. G.M.T. 25th MAY ... 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	02755	29327	5-	51648	30358	52	51636	26258	8-	81648	24488
115	52	09635	32128	53	81734	32187	52	81734	28387	87	02844	28487
203							5-	05848	32328			
206	06	25855	24226	8-	81858	26188	5-	02868	24288	8-	81867	24187
210	83	02854	27286	57	02864	26128	57	02765	24268	53	02854	25266
219	57	22835	03268	8-	02847	30327	5-	22758	08268	57	02844	04228
230	62	62745	20388	87	02855	26266	53	02856	00027	5-	02867	24149
245	62	62744	23467	87	02965	22267	82	05654	00087	5-	02867	04127
260	16	01754	22114	14	02852	03215	57	05663	00027	5-	05664	20128
278	20	01852	31302	10	01851	28506	52	02855	24318	51	02853	24327
279	20	01853	23313	24	01953	28114	5-	02865	12115	5-	02876	26226
285	27	02855	08317							27	05635	30427
288	20	02216	10216	23	02862	06228	50	17661	22101	03	05690	25215
575	20	01864	20144	10	02861	28226	51	02753	30128	52	22845	30167
301	11	02761	28327	87	02754	30428	00	01790	28315	27	01842	26322
321	52	61765	12368	57	22764	08167	00	48390	00040	50	05563	26343
2.3	57	05654	08215	5-	02755	12215	50	01744	04114	5-	05638	32428
292	27	02765	08226	57	02863	16128	07	05690	00023	04	01790	28114
310	--	64428	08568							--	01625	26415
614				52	62645	02263	5-	05565	30115	50	05656	26214

13h. G.M.T. 24th MAY ... 18h. G.M.T. | 01h. G.M.T. 25th MAY ... 07h. G.M.T.

III	C_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN	C_L C_M	wwVhN_h	DDFWN
333	57	02663	32427	57	02721	28327	5-	02745	24226	57	02754	31226
334	--	05645	02217							--	02644	00015
340	52	62754	04168	17	22652	32368	50	01853	26283	53	02854	24116
356	62	62645	06368	62	22654	04368	5-	61657	32367	03	05690	26461
336				62	62626	04368				57	02754	-----
350	02	64658	06368	62	54626	01338	50	22563	28263	04	01790	26223
368	62	62634	06468	62	62644	28228	50	05653	28368	8-	05644	26226
379	62	62416	06416	52	62625	02368				00	00790	20310
390	52	22554	10268	57	11654	28285	5-	52435	28558	00	05690	26353
382	62	62637	09368	62	61835	04368	07	05690	26363	04	01790	25311
438	87	81734	20386	87	02734	24816	82	02745	26428	00	00690	28410
430	5-	22743	18367	9-	64536	00068	5-	05646	28428	00	00790	25310
409	5-	52736	05685	5-	61854	26568	54	01754	28314	20	02844	25427

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

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

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

LONDON OBSERVATIONS

For the 24 hours ending morning of 25th MAY
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 ...	r.rr cm.	fpR pr. ir.	cir. cbez.	Kew 24 hours ended 9h. Max. 0·3 Min. 0·1
Croydon ...	rm. cm.	cmo pr.	pr. rr. cbe	
Greenwich ...	rrc	cirfl	cp. d. cby	
Camden Square	cr	cp	*	
Kensington ...	crept	crc	*	
Hampstead ...	or	orbc	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 ...	58	48	42	11	1	0·1	*	*
Croydon ...	61	48	45	7	3	1·2	*	*
Greenwich ...	59	49	44	11	Tr	1·5	76	52
Westminster ...	61	49	46	8			95	66
Regents Park ...		48	45	8	0·7		82	59
Camden Square	59	45	45	8		*	*	59
Kensington ...	60	48	43	8	0·7		89	63
Hampstead ...	60	46	42	10	1		*	67

SECRET

Page 1

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

Wednesday 26 May 1943 — No 29770

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	14·1	+10	WNW	3	bc	63	55	45	8	2	–	–	4-6	4-6	2500
	Croydon ...	14·3	+12	NSW	4	bc	64	55	49	8	2	–	–	4-6	4-6	2800
	S. Farnborough	14·3	+14	NNW	4	c	61	65	47	8	8	7	1	7-8	9	3000
	Boscombe Down	13·4	+6	W'N	3	c-bc	60	85	52	8	2	7	3	4-6	7-8	3500
	Thorney Island	14·8	+2	NSW	4	pr	63	55	49	9	8	8	2	7-8	9	4000
	Lympne ...	13·6	+18	NNW	6	c-bc	62	55	47	8	2	–	–	7-8	7-8	2100
	Manston ...	12·7	+16	NNW	4	b-bc	64	55	48	8	2	–	–	2-3	2-3	4000
2	Shoeburyness ...	13·5	+8	NNW	4	bc	67	55	48	7	8	–	–	4-6	4-6	4000
	Felixstowe ...	11·8	+18	NW'N	4	c-bc	64	45	44	7	8	–	–	7-8	7-8	4000
	Gorleston ...	11·1	+22	NW	5	bcq	60	65	46	7	8	–	–	4-6	4-6	1000
	Mildenhall ...	12·4	+14	NW'N	4	zo	62	55	45	6	2	–	–	7-8	7-8	4000
	Cranwell ...	12·4	+10	NNW	5	bc	62	45	40	7	1	–	–	4-6	4-6	3800
3	Birmingham ...	14·3	+8	W	3	pr	59	55	43	8	8	–	–	9+	9+	1500
	Upper Heyford	14·4	+14	NNW	3	pr	59	76	4[illegible]	[illegible]	2	–	–	9	9	3000
4	Ross-on-Wye	14·9	+8	W	3	pr	59	65	[illegible]	3	3	–	–	9	9	3500
5	Hartland Point	16·8	+12	WSW	3	c-bc	55	85	51	8	2	4	–	2-3	7-8	1600
	Bristol ...	15·9	+6	W	4	bc	62	65	48	8	8	6	3	4-6	4-6	2500
	Portland Bill ...	16·2	+6	SW	5	c	56	85	52	8	2	4	–	7-8	10	4000
	Plymouth ...	18·3	+10	WSW	4	c	55	92	53	8	8	2	–	7-8	10	2500
	The Lizard ...	17·7	+10	WSW	3	ifo	55	97	56	6	5	–	–	10	10	1000
	Scilly (St. Mary's)	17·6	+6	SSW	3	ifo	53	92	51	6	5	2	–	7-8	10	1000
	Guernsey ...															
6	Pembroke ...	16·6	+12	W'S	3	bc	55	92	53	8	2	6	1	2-3	4-6	3000
7	Holyhead (Valley)	14·8	+10	SW	3	b-bc	57	75	51	8	3	–	–	2-3	2-3	1000
	Chester (Sealand)	14·0	+10	NW'N	4	bc	61	55	45	8	8	4	8	4-6	4-6	2500
8	Manchester ...	13·9	+10	NNW	4	bc	60	55	43	9	3	6	1	2-3	4-6	3000
10	Spurn Head ...	12·3	+16	NNE	3	bc	54	85	48	6	7	3	–	2-3	4-6	2500
	Catterick (Sc) ...	11·9	+10	NNW	3	c	60	65	45	9	8	–	2	4-6	9	2000
	Tynemouth ...	12·5	+10	E	2	c-bc	54	75	47	7	8	3	2	4-6	7-8	2400
11	St. Abbs Head	11·2	+2	N	1	c	50	97	49	6	5	1	–	4-6	10	3000
	Leuchars ...	12·4	+18	ESE	2	c	53	85	45	8	8	7	–	4-6	9+	2500
12	Renfrew (Abbotsl.)	11·7	+8	NNW	2	c	59	65	47	8	8	7	6	7-8	9+	2000
	Eskdalemuir ...	11·5	+6	NSW	2	c-bc	58	65	45	8	8	–	2	4-6	7-8	2300
	Point of Ayre ...	13·6	+10	NW	3	b-bc	61	65	47	8	2	–	8	Tr	2-3	3000
13A	Tiree	13·3	+14	N	2	c	54	75	47	8	2	6	8	4-6	9+	1500
13B	Stornoway ...	13·0	+16	ESE	2	c	50	85	46	8	8	4	–	7-8	9	2200
15	Dalwhinnie ...	12·0	+12	SW	2	c	53	65	40	8	5	–	–	9+	9+	2500
	Aberdeen ...	12·7	+14	E	2	bcjp	54	75	47	8	8	3	6	2-3	4-6	5700
	Wick ...	12·0	+20	W'N	3	c	53	75	46	8	8	–	–	9+	9+	2500
16	Sumburgh ...	11·8	+34	SSW	3	f/r	51	92	49	8	5	–	–	9+	9+	1800
17	Blacksod Point	13·9	+6	NSW	1	b-bc	58	65	47	8	2	–	–	2-3	2-3	4000
18	Malin Head ...	12·8	+10	NW	2	c-bc	64	85	50	8	8	–	–	7-8	7-8	2500
	Aldergrove ...	13·4	+10	W'S	1	cjp	57	56	42	8	8	–	–	9+	9+	2500
19	Birr Castle ...	13·5	+6	SW	2	c-bc	61	75	53	8	8	–	–	7-8	7-8	1500
20	Valentia Obsy.	13·5	0	S'W	4	f/pr	61	75	53	8	2	7	1	2-3	9+	2500
	Roches Point	15·2	+26	S	2	c-bc	58	85	53	8	3	3	5	2-3	7-8	1500

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

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force. 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	16·5	+14	W'S	2	c-bc/pr	58	75	49	8	8	5	–	4-6	7-8	2500	1	*
	Croydon ...	17·5	+22	W	1	pr	58	65	47	7	8	7	–	7-8	9+	2000	0	*
	S. Farnborough	16·5	+10	NNW	2	bc	61	65	48	8	8	7	1	2-3	4-6	2500	1	*
	Boscombe Down	17·1	+10	WNW	3	bc	59	65	47	8	2	3	2	2-3	4-6	3000	0	*
	Thorney Island	17·5	+12	SW'N	4	c-bc	57	85	50	8	8	7	3	2-3	7-8	4000	1	*
	Lympne ...	16·6	+22	SSW	2	f/pr	53	92	51	8	4	–	–	9+	9+	3100	1	§
	Manston ...	15·6	+18	WSW	3	c	57	65	45	7	5	6	–	4-6	9+	3000	0	*
2	Shoeburyness ...	16·0	+8	W'S	3	c-bc	60	65	48	7	8	5	–	4-6	7-8	4000	0	*
	Felixstowe ...	14·3	+14	WNW	4	b-bc	65	45	41	7	8	3	–	2-3	2-3	4000	0	4
	Gorleston ...	13·5	+20	N'E	2	b-bc	58	75	51	7	5	–	–	2-3	2-3	2000	0	
	Mildenhall ...	14·4	+10	WNW	2	bc	63	55	47	7	2	3	–	4-6	4-6	4000	0	*
	Cranwell ...	13·9	+8	N	4	bc	65	45	41	7	2	6	–	4-6	4-6	3500		*
3	Birmingham ...	16·7	+8	NNW	3	c-bc/f	58	65	46	8	8	7	–	2-3	9	2500	1	*
	Upper Heyford	15·8	+8	NE	1	pr/c-bc	55	85	51	7	8	6	3	4-6	7-8	3000	1	*
4	Ross-on-Wye	16·3	+10	N	3	bc	58	65	47	8	8	6	3	4-6	4-6	3500	1	*
5	Hartland Point	17·0	+2	W	3	c-bc	56	85	51	8	2	4	8	2-3	7-8	1500	0	3
	Bristol ...	17·6	+12	W'N	4	bc	56	75	47	8	2	3	–	Tr	4-6	2500	1	*
	Portland Bill ...	17·6	+6	SW	5	c	56	85	52	8	2	4	–	7-8	10	4000	1	5
	Plymouth ...	19·0	+2	SW'S	4	c	54	92	52	8	5	7	–	7-8	10	2500	1	2
	The Lizard ...	17·1	+8	S'E	4	do do	51	97	51	4	5	–	–	10	10	800	1	4
	Scilly (St. Mary's)	16·7	+10	S'E	4	ido	53	97	53	5	5	–	–	10	10	300	1	4
	Guernsey ...																	
6	Pembroke ...	17·2	+4	SW'N	2	c-bc	55	97	55	8	2	6	1	2-3	7-8	3000	1	2
7	Holyhead (Valley)	16·1	+6	SW'S	4	b-bc	55	75	48	8	2	6	5	Tr	2-3	2500	1	3
	Chester (Sealand)	16·1	+10	NNW	2	bc	58	75	48	6	2	6	–	2-3	4-6	2500	0	*
8	Manchester ...	15·5	+14	W'N	3	bc	59	55	43	8	4	6	1	4-6	4-6	3000	0	*
10	Spurn Head ...	15·0	+14	E	1	bc	54	85	48	7	7	3	–	2-3	4-6	4000	0	3
	Catterick (Sc) ...	13·6	+20	WSW	3	c-bc	62	55	44	8	8	–	–	7-8	7-8	3000	0	*
	Tynemouth ...	15·0	+10	WNW	2	ir	53	85	49	7	8	–	–	3	9	1500	1	2
11	St. Abbs Head	13·9	+10	WNW	2	c-bc	51	92	49	7	5	3	–	4-6	7-8	2000	0	2
	Leuchars ...	14·9	+16	E	2	c	53	85	47	8	2	3	8	1	9	3000	0	*
12	Renfrew (Abbotsl.)	14·2	+12	–	0	pr	57	75	49	6	8	6	–	4-6	9+	2000	1	*
	Eskdalemuir ...	14·6	+18	NW'N	2	pr	52	85	48	7	5	7	–	7-8	9	1800	1	*
	Point of Ayre ...	15·4	+16	NW'N	3	b	57	75	49	8	2	4	–	1	1	2500	0	3
13A	Tiree	15·4	+14	NW	1	bc	54	75	47	8	8	–	–	4-6	4-6	2500	0	1
13B	Stornoway ...	15·6	+18	ESE	1	c-bc/pr	52	75	45	8	8	4	–	7-8	7-8	2200	1	1
15	Dalwhinnie ...	15·5	+16	NW	1	c	53	65	43	8	5	7	–	7-8	9+	2500	0	*
	Aberdeen ...	15·9	+18	NE	1	c	51	85	46	8	8	–	–	9+	9+	5700	1	1
	Wick ...	16·0	+26	SSE	1	c	51	85	47	7	8	7	–	7-8	9+	2500	0	*
16	Sumburgh ...	15·4	+22	W'S	2	c	50	85	47	9	8	6	–	7-8	9	2000	1	2
17	Blacksod Point	14·5	+6	N	1	bc	58	65	46	8	8	–	6	2-3	4-6	4000	1	2
18	Malin Head ...	14·9	+12	NW	2	bc	53	75	45	8	2	–	–	4-6	4-6	2500	1	1
	Aldergrove ...	15·7	+18	NNE	1	c-bc	58	65	46	9	8	6	–	7-8	7-8	3500	1	*
19	Birr Castle ...	13·8	+2	S	1	c	62	65	46	8	5	–	–	9	9	2500	1	*
20	Valentia Obsy.	13·4	+2	SE	4	ifo	57	75	48	9	7	7	–	7-8	10	4000	1	3
	Roches Point	15·4	0	S'W	3	c-bc	56	85	52	8	5	7	5	2-3	7-8	1500	1	3

PAST 24 HOURS.

Weather. 7h.—13h. 25th (39)	13h.—18h. 25th (40)	18h. 25th to 1h. 26th (41)	1h.—7h. 26th (42)
b cbcy	Kqprc	bcmobw	bcbmow
bcycy	bcycy	probcb	bncbcmob
bbcycpre	PRqtcbc	bccbbmo	bmcwbc
ceproc	cbc	bc bbc	bc mbc
cepro	cprc	bc idobmo	bc wbc
cmobcycy	cybcl	cprocb	bbcmo
cmobccy	bcbbczcy	cbc	bbmobc
bcmobc	bcc	c prbc	bc wzo
bcmobcy	bcy	cbbmo	bbmo
bcq	bc	b	bbczo
bczbcy	cybcy	bcybcb	bmowcmo
bbcy	bcy	bczobmo	bbccmo
bc	cbc	bcb	bbc
c	cprpr	cprmob	cfcmobc
bcc	cPRcbc	cbv	bwcmo
bcc	c	c	bcdf
bcc	bc	bcbcw	cmowcmo
c	c	co	c
bcc	cirbc	cddom	cdcdfm
cprir	rrpdm	cddff	df
cro	croroido	cfe	off
bc	c	c	cFeFe
bcb	b	bccbw	c
cbcy	bccy	bcmo	bc,cm
bcmozcy	bcyl	bcybmow	bbcmow
bc	bc	pr	fbcmo
bcvcv	cy	bcmobmo	
c	cirrr	cirmoff	oFF
cmo	cmo	cmoFf	FFomo
cidomoc	c	c	ccmo
awcc	cprocmopro	czoproczw	cmow
bccpro	cproPR	cmocmof	cproir.
cbc	bcb	bw	c
c	cbc	bcb	bcc
cproc	cqproc	cbcbbc	bcc
c	c		cpro
cprobc	bcjpc	bwmo,ff	cbcbwmo
	cqproc	cbcis	cmobcw
cbcciroc	c	cbcbc	bcc
bc	bc	r	d
c	bc	bc	r
bwjpcey	cycroc	cbcbbw	r
c	c	r	r
pr	r	r	r
c	pr	r	d

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 26th May

Districts	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands	Light to moderate southwest winds becoming mainly cloudy; slight drizzle locally; local coast fog: becoming close or very close.
5 S.W. England 6 South Wales	Moderate southwest winds; cloudy or dull; some occasional drizzle on coast and hills; local coast fog: close.
7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate south to southwest winds; cloudy or dull; some occasional rain; brighter periods to-morrow: becoming rather close.
12 S.W. Scotland & Isle of Man 13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland	Fresh to strong southeast to south winds, veering southwest; dull, rainy; brighter intervals to-morrow but with a few showers: rather cool.
15 N.E. Scotland	Freshening southeast wind becoming strong at times, veering later: fair at first becoming dull and rainy: cool.
16 Orkneys and Shetlands	
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland	Fresh southwest winds, strong at times on the coast; cloudy or dull with some rain or drizzle; brighter periods tomorrow: mainly rather: close.
20 S.W. Ireland	As 5-6

GENERAL INFERENCE

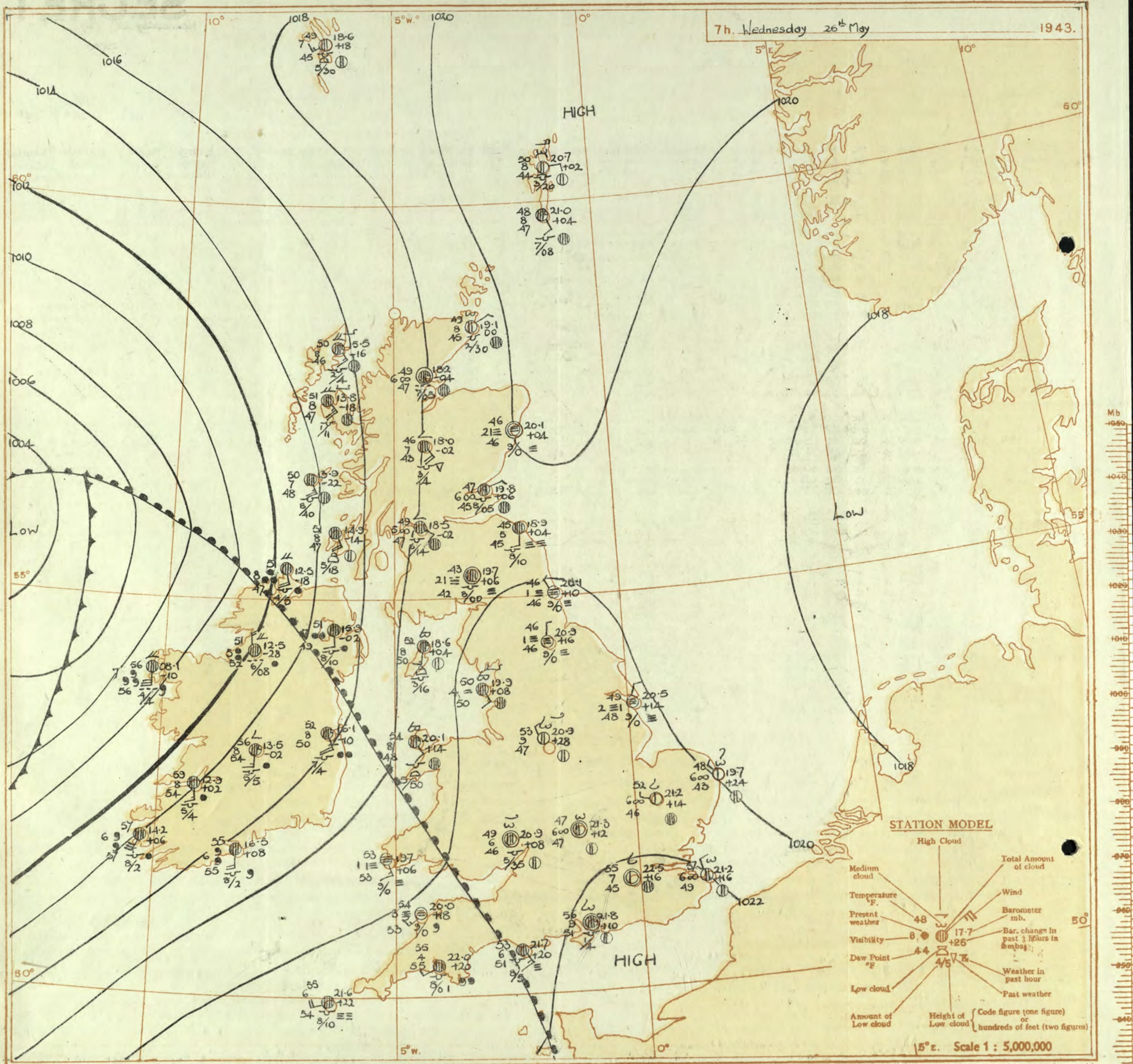
A ridge of high pressure covers the southeastern half of the British Isles and a depression off Northwest Iceland is moving northeast. Rain will spread from Ireland over the northern half of the country to be followed by fairer intervals but probably with a few showers to-morrow. In the South weather will become cloudy and close with some local drizzle chiefly near the West and Southwest coasts.

FURTHER OUTLOOK

Rather unsettled in the Northwest; mainly fair and rather warm in the Southeast.

Forecasts issued at 1300

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



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

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Wednesday 26th May

1943.

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

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. Δ Hail. Fog. ≡ Mist. = Thunder. (L) Thunderstorm. L Slight haze.

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

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

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

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

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

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

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

Wednesday 26th May 1943 — No. 29770

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

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 ...	290	19.9	+10	SW	2	b	49	75	42	7	-	-	3	0	Tr	-
	S. Farnborough	226	19.4	+4	W'N	1	20	47	85	43	6	-	4	-	0	Tr	-
	Boscombe Down	417	19.9	+6	-	0	bbc	47	92	46	7	-	7	-	0	2-3	-
	Thorney Island	10	19.5	+2	W'S	1	b	49	97	48	7	S	-	-	Tr	Tr	4000
	Lympne ...	283	19.3	+8	WNW	2	b	48	97	47	7	-	-	-	0	0	-
	Manston ...	154	18.5	+8	W	2	b	50	85	46	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	17.8	+10	WNW	3	20	53	85	50	6	-	-	-	0	0	-
	Gorleston ...	5	16.9	+6	NW'W	2	b	50	85	49	7	-	-	-	0	0	-
	Mildenhall ...	15	18.1	+10	WSW	3	20	48	97	46	6	-	-	-	0	0	-
	Cranwell ...	203	18.4	+12	W	3	20	49	85	43	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	18.9	+10	WSW	1	b	45	97	44	7	-	4	1	0	1	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	17.6	-2	SE	3	c-bc	52	92	51	8	5	4	-	4-6	7-8	1500
	Bristol ...	209	19.6	+4	-	0	20	48	97	44	6	-	7	-	0	9	-
	Portland Bill ...	32	19.5	+6	SW	3	0	53	85	51	7	5	-	-	10	10	2500
	Plymouth ...	82	19.1	0	SE	2	do do	52	97	52	4	5	-	-	10	10	500
	The Lizard ...	240	18.1	+8	W	4	df	54	97	54	2	5	-	-	10	10	200
	Scilly (St. Mary's)	163	18.5	+24	W	5	F	54	97	54	1	-	-	-	10	10	<150
	Guernsey ...	175															
6	Pembroke ...	142	18.9	+6	SE'S	2	c	52	97	52	7	8	-	-	10	10	2500
7	Holyhead (Valley)	32	18.6	+10	S	2	bc	51	92	49	8	5	3	-	2-3	4-6	2500
	Chester (Sealand)	16	18.6	+10	-	0	bc	42	97	41	6	5	-	6	2-3	4-6	4000
8	Manchester ...	235	19.3	+12	-	0	20	48	92	43	5	-	-	-	0	0	-
10	Spurn Head ...	29	17.2	0	WNW	3	20	53	85	49	6	7	-	-	4-6	4-6	2500
	Catterick (Sc.) ...	192	18.2	+10	-	0	20	43	97	43	6	-	3	-	0	1	-
	Tynemouth ...	108	18.7	+12	NNE	2	dd	47	97	47	3	5	-	-	10	10	800
11	St. Abbs Head	280	17.5	+10	NW	2	f-	48	97	45	3	-	-	-	10	10	<150
	Leuchars ...	36	18.3	+10	-	0	c	49	85	47	8	5	7	-	7-8	10	2000
12	Renfrew (Abbots L.)	19	18.2	+12	-	0	20	47	92	46	5	5	7	-	4-6	9	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	17.5	+4	S	3	b	49	92	47	8	-	-	5	0	1	-
13A	Tiree	44	16.6	-2	E	1	b	47	97	47	8	-	4	-	0	Tr	-
13B	Stornoway ...	15	17.7	+6	-	0	c-bc	48	92	44	8	5	-	6	Tr	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	19.3	+20	-	0	b-bc	42	97	41	6	-	3	-	0	2-3	-
	Wick ...	114	18.7	+10	-	0	bfg	45	92	43	8	5	-	-	1	1	4000
16	Sumburgh ..	19	19.4	+14	ENE	1	bc	43	97	43	8	-	4	6	0	4-6	-
17	Blacksod Point	18	12.6	-14	E'S	3	rr	54	85	50	7	6	2	-	7-8	10	2500
18	Malin Head ...	84	15.9	-2	E'S	2	bc	51	75	43	8	5	-	-	4-6	4-6	2500
	Aldergrove ...	268	17.1	+2	E	1	b-bc	46	92	45	8	5	4	-	2-3	2-3	3000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	13.8	-2	SE	4	rr	56	97	56	6	5	2	-	9	10	1500
	Roches Point	22	16.2	0	S	4	f+	53	97	53	2	-	-	-	10	10	<150

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

Barom. 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)
22.1	+14	-	0	20	53	85	47	6	5	4	-	Tr	1	5700	1	*
22.5	+16	-	0	b-bc	55	65	45	7	-	4	-	0	2-3	-	1	*
21.8	+10	-	0	bc	53	85	47	7	-	4	-	0	4-6	-	1	*
21.3	+18	-	0	c	53	92	50	7	5	5	-	2-3	9	4000	0	*
21.8	+10	-	0	c	56	85	51	9	5	5	-	Tr	9	1500	1	*
22.0	+16	NW	1	20	52	92	49	6	-	3	-	0	2-3	-	0	2
21.2	+16	NW	2	20	57	75	49	6	-	3	-	0	4-6	-	0	*
21.7	+8	W	1	20	55	75	48	6	-	3	-	0	4-6	-	1	*
21.0	+8	WNW	2	20	54	75	46	6	-	3	-	0	2-3	-	0	*
19.7	+24	NW	2	20	48	85	43	6	-	3	4	0	2-3	-	0	2
21.2	+14	W N W	1	20	52	85	46	6	-	4	-	0	2-3	-	0	*
20.6	+12	NNW	1	20	55	75	47	6	-	3	-	0	2-3	-	0	*
21.3	+10	SE	2	20	54	75	47	5	-	3	-	0	7-8	-	1	*
21.3	+12	-	0	20	47	92	47	6	-	3	-	0	4-6	-	1	*
20.9	+8	-	0	20	49	92	46	6	5	3	1	7-8	7-8	3500	1	*
20.0	+18	SW	3	df	54	97	53	3	-	-	-	10	10	<150	1	2
21.8	+14	SSW	1	c	54	85	50	7	5	-	-	9+	9+	5700	1	*
21.7	+20	SE	3	0	53	92	51	6	5	-	-	10	10	2500	1	3
22.0	+20	SW	1	m/d	55	97	55	4	5	-	-	10	10	100	1	3
21.1	+18	SW	3	df	55	97	55	2	5	-	-	10	10	200	1	3
21.6	+22	SSW	4	f	55	97	54	6	5	-	-	10	10	1000	1	4
19.7	+6	SSE	3	F+	53	97	53	1	-	-	-	10	10	<150	0	*
20.1	+14	SE	2	c	54	85	48	8	7	7	-	7-8	9+	5000	1	2
20.3	+8	SSE	1	c	52	75	48	6	-	5	-	0	9+	-	0	*
20.4	+6	-	0	20	53	85	47	6	-	5	-	0	9+	-	0	*
20.5	+14	N E	2	f-	49	92	48	2	-	-	-	10	10	<150	0	2
20.9	+16	N	1	f	46	97	46	1	-	-	-	10	10	<150	0	*
20.1	+10	NW	1	f	46	97	46	1	5	-	-	10	10	<150	1	2
18.9	+4	S	2	f	48	97	48	5	5	-	-	10	10	1000	0	2
19.8	+6	ENE	1	20	47	92	45	6	5	-	-	10	10	500	0	*
18.5	-2	E'S	2	20	49	92	47	5	5	1	-	9	10	1400	0	*
19.7	+6	-	0	of+	43	97	42	2	5	-	-	10	10	<150	1	*
18.6	+4	S	3	c	52	97	50	8	8	7	-	2-3	9+	1600	0	2
15.3	-22	SE	3	c	50	92	48	7	5	-	-	0	10	4000	0	3
15.5	-16	SE	3	c	50	85	46	8	5	2	8	1	9+	1500	1	2
18.0	+2	SE	4	c	46	85	43	7	5	1	-	2-3	10	1500	1	*
20.1	+4	-	0	f+	46	97	46	2	-	-	-	10	10	<150	1	*
19.1	0	NE	1	bc	49	85	45	8	5	3	-	1	4-6	3000	0	*
21.0	+4	SE	2	e	48	97	47	8	5	-	-	3+	9+	800	1	*
13.5	-2	S	3	c	56	92	54	8	5	1	-	7-8	9+	2500	1	*
14.2	+6	SSW	6	id	57	97	57	6	5	-	-	10	10	450	1	4
16.5	+8	S	4	id	55	97	55	6	5	-	-	10	10	450	1	4

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 25th Hrs. (38)
65	46	33	*	Tr	9.1
66	46	39	-	Tr	9.9
65	44	34	2	Tr	11.0
62	45	40	Tr	-	10.6
66	47	40	2	Tr	*
63	42	40	3	-	10.2
65	48	44	0.1	-	10.3
67	46	41	-	Tr	10.2
66	49	44	-	-	11.3
63	46	41	-	-	11.5
65	43	39	-	Tr	5.8
66	45	40	-	-	13.4
61	46	33	1	-	10.1
61	45	36	7	6	*
63	45	38	4	-	9.0
57	51	50	-	0.1	7.5
62	43	34	-	-	11.4
56	52		-	Tr	
58	51	51	Tr	0.5	2.6
58	50		2	1	2.9
56			3		
55	52		*	0.6	1.1
57	50		-	Tr	9.3
58	50	47	-	-	
62	42	34	0.2	-	9.6
63	39	31	-	-	*
57	46		-	-	13.0
62	40	34	-	1	7.5
57	45	43	4	2	*
52	43		-	-	
56	46	45	Tr	-	0.0
62	45	35	Tr	Tr	3.5
60	35	30	3	0.2	3.8
55	43	37	-	1	3.3
55	40	35	Tr	-	1.8
55	42	39	Tr	-	*
52	42	36	0.2	-	3.6
63	51	48	-	2	8.2
61	54	53	Tr	2	1.5
59	*	*	0.1		*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 25th May ..... 18h. G.M.T. — 01h. G.M.T. 26th May ..... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	83	25745	28385	80	01844	28114	57	01831	00013
115	52	02844	28327	53	02954	28225	54	01854	02114
203									
206	87	02866	00027	8-	02967	00027	53	01863	00024
210	83	02864	27125	76	01965	06127	53	02864	10216
219	83	02854	30185	23	01853	26214	00	01890	12124
230	87	02954	20226	83	02965	18285	5-	02862	00025
245	83	01753	10314	26	02843	07216	5-	02875	26185
260	62	05535	04228	5-	05654	04126	5-	05538	00018
278	87	81844	26328	86	02954	20285	00	00790	20110
279	2-	02864	20526	26	01953	22484	14	01851	20113
285	23	01854	26415						
288	73	17555	06117	86	25564	05284	00	41490	00040
575	83	02865	26126	80	01864	28124	57	02764	00027
301	13	01951	24422	14	01951	24202	00	08490	00000
321	80	02755	28415				00	05630	24210
2,	50	05534	32314	80	41544	00044	50	05553	26113
292	8-	02966	26326	86	25964	24384	40	05662	26112
310	--	01644	26414						
614	20	05654	26315	7-	02765	28125	00	05690	28100

13h. G.M.T. 25th May ..... 18h. G.M.T. — 01h. G.M.T. 26th May ..... 07h. G.M.T.

III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
333	20	01844	20464	20	02852	17415	57	05644	20125
335	-	01644	28214						
340	87		24186	56	02854	00015	00	08492	00010
1,	20	05654	28314	03	05690	06202	04	05630	24112
330	10	01763	24413	03	10763	28314			
356	2-	01754	26414	56	25754	22187	40	05662	22113
365	23	02855	24416	27	02853	24315	5-	02648	00028
379				83	25845	22386	00	00790	20300
390	20	05664	27414	56	02790	22816	00	05630	24110
382	86	01854	25325	56	25854	26396	00	00790	00000
438	87	81755	26687	58	02654	24615	50	01754	21314
436	26	02854	23415	03	02754	21325	50	01761	00011
409	89	02854	21428	32	02862	16427	5-	52438	14358

01h. G.M.T. 26th May ..... 07h. G.M.T.			
$C_L C_M$	wwVhN$_h$	DDFWN	
57	02866	12328	
--	02646	02117	
04	05630	14116	
03	05630	04113	
53	02753	28316	
04	05630	18123	
52	05636	16228	
03	02890	14125	
03	05550	22113	
00	00790	00013	
50	01761	26212	
03	02890	00015	
--	46109	22349	

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 26th May
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, cbcy	kq prc	bcbmdw	Kew 24 hours ended 9h. Max 0.1 25th. Min 0.1 25th.
Croydon ...	bcycy	bcycy	prbcw	
Greenwich ...	bbcy	bcctt	kpcbcmby	
Camden Square ...	b	b	*	
Kensington ...	bcc	cttlr	bc	
Hampstead ...	bc	bcortl	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 ...	65	46	33	1	Tr	9.1	*	*
Croydon ...	66	46	39	-	Tr	9.9	*	*
Greenwich ...	67	45	34	7	-	9.4	46	58
Westminster ...	68	46	43	6			61	63
Regents Park ...	*	47	36	3	Tr		52	57
Camden Square ...	68	47	42	2	-	*	*	61
Kensington ...	67	45	38	11	0.1			58
Hampstead ...	66	45	39	8	-		*	61

SECRET

Page 1

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

Thursday 27th May 1943 — No. 37721

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	23·1	+4	SW	3	c	62	65	51	8	7	7	-	7-8	9+	2500
	Croydon ...	23·7	+6	S	3	c	64	65	51	8	4	-	-	9+	9+	2200
	S. Farnborough	23·4	+6	SW	3	c	62	75	53	8	5	7	-	9+	10	1800
	Boscombe Down	23·1	+4	S'W	3	c	60	92	57	8	5	-	-	9+	9+	1200
	Thorney Island	23·7	+4	S	3	c	61	85	54	9	8	-	-	7-8	9+	1000
	Lympne ...	23·9	+10	SSW	3	b-bc	64	65	39	8	1	-	1	2-3	2-3	4000
	Manston ...	22·8	+6	NE	2	Zo	65	65	51	6	1	-	5	4-6	4-6	3500
	Shoeburyness ...	22·6	-2	S	2	b-bc	68	55	50	8	7	-	-	2-3	2-3	4000
	Felixstowe ...	22·5	+4	S	4	bc	67	45	47	8	1	3	9	2-3	4-6	4000
	Gorleston ...	22·4	+12	E	2	Zo	64	92	52	6	1	-	-	2-3	2-3	3000
	Mildenhall ...	21·7	-2	SW	3	c-bc	69	45	46	8	1	-	2	2-3	7-8	4000
	Cranwell ...	20·4	-8	SSW	3	c	67	45	47	7	1	7	-	2-3	9	3000
3	Birmingham ...	21·2	+2	SW	3	c	60	75	52	8	5	7	-	7-8	10	1500
	Upper Heyford	22·0	+4	SW	3	c	61	75	54	8	7	-	-	7-8	9+	1800
4	Ross-on-Wye	21·7	+6	SW	3	c	61	85	57	7	5	-	-	9+	9+	2500
5	Hartland Point	22·1	+8	WSW	4	df	55	97	55	3	-	-	-	10	10	<150
	Bristol ...	22·7	+6	SSW	3	c/d	62	85	57	8	5	-	-	9+	9+	1500
	Portland Bill ...	23·4	+6	S	2	f	55	97	53	2	5	-	-	10	10	<150
	Plymouth ...	24·6	+12	NSW	4	Zo	56	97	56	6	5	-	-	10	10	200
	The Lizard ...	24·1	+2	NSW	4	o/f	56	97	56	6	5	-	-	10	10	800
	Scilly (St. Mary's)	23·6	+12	SW'W	4	c	59	92	56	7	5	2	-	9	9+	1200
	Guernsey ...															
6	Pembroke ...	21·3	+12	SW	4	f	50	97	50	1	-	-	-	10	10	<150
7	Holyhead (Valley)	18·5	+2	SSW	5	Zo	55	92	53	6	5	-	-	10	10	300
	Chester (Sealand)	19·1	-4	S	2	c	63	75	53	8	5	7	-	9	9+	2800
8	Manchester ...	19·9	-2	S'E	4	c	62	65	50	7	5	7	-	7-8	9+	3000
10	Spurn Head ...	21·5	-4	SE	4	f	50	92	47	5	-	-	-	10	10	<150
	Catterick (Sc) ...	19·7	-4	SSE	2	Zo	59	75	50	6	5	2	-	4-6	10	1600
	Tynemouth ...	21·3	+4	SE	3	Zo	49	82	49	6	5	-	-	10	10	1200
11	St. Abbs Head	18·4	0	SE	3	rf	47	87	47	3	-	-	-	10	10	<150
	Leuchars ...	18·2	-10	ESE	3	r/c	52	85	48	6	6	2	-	4-6	10	900
12	Renfrew (Abbots I.)	16·1	-18	ESE	3	rcrc	53	92	51	6	5	2	-	7-8	10	800
	Eskdalemuir ...	17·8	-12	S'E	4	ic	53	75	46	7	5	2	-	4-6	10	1500
	Point of Ayre ...	16·8	+6	SSW	4	rcrc	53	97	52	6	6	2	-	9	10	2000
13A	Tiree	09·5	-20	SSE	7	dr	50	97	50	5	6	2	-	9	10	200
13B	Stornoway ...	11·7	-18	E	5	rr	51	92	48	6	5	-	-	10	10	1800
15	Dalwhinnie ...	15·5	-4	SSE	4	ir	49	85	46	6	5	2	-	7-8	10	1500
	Aberdeen ...	18·2	-10	ESE	3	c/r	52	85	48	6	6	2	-	4-6	10	900
	Wick ...	17·8	-12	SE	5	c	51	85	47	7	5	1	-	1	10	3000
16	Sumburgh ...	20·7	+2	E'S	4	c	47	92	45	7	5	-	-	9+	9+	300
17	Blacksod Point	12·3	+30	SW	6	ido	59	92	57	7	6	-	-	10	10	1500
18	Malin Head ...	10·5	+10	SSW	3	c	59	92	57	8	9	2	-	4-6	9+	1500
	Aldergrove ...	13·4	-6	S	3	dr	58	97	57	6	6	2	-	9+	10	800
19	Birr Castle ...	15·3	+14	SW	3	c	61	92	59	7	6	2	-	7-8	10	800
20	Valentia Obsy.	17·7	+26	SW	5	c	52	92	57	7	5	-	-	10	10	800
	Roches Point	18·9	+16	SSW	4	dd	57	97	57	5	5	-	-	10	10	450

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	23·7	+2	SW	3	c	63	75	55	8	7	2	-	7-8	9+	2500	1	*
	Croydon ...	24·2	+2	S	2	c-bc	65	75	55	7	4	-	-	7-8	7-8	2500	0	*
	S. Farnborough	24·0	+2	SW'W	3	c	64	75	56	8	7	7	-	4-6	9+	1600	0	*
	Boscombe Down	24·0	+6	SW	3	c	61	92	59	7	5	2	-	9	9+	1200	0	*
	Thorney Island	24·5	+2	SW	2	c	61	85	57	7	5	-	-	9+	9+	4000	0	*
	Lympne ...	24·7	+2	SW	2	b-bc	59	85	55	8	4	6	-	2-3	2-3	3000	1	§2
	Manston ...	23·9	+6	SW	3	c-bc	63	75	53	7	4	-	-	7-8	7-8	3000	0	*
	Shoeburyness ...	23·9	+6	SW	3	c	64	75	55	8	5	-	-	9+	9+	2500	0	*
	Felixstowe ...	23·3	+4	SW'S	4	c	65	65	52	8	5	-	-	9+	9+	5700	0	4
	Gorleston ...	21·7	0	S'W	2	c	64	65	51	7	5	2	-	4-6	10	2500	0	4
	Mildenhall ...	22·2	+4	SW'W	4	c	65	65	54	8	5	3	-	4-6	9+	4000	0	*
	Cranwell ...	20·8	0	SW'S	3	c	63	75	56	7	5	7	-	4-6	10	2000	0	*
3	Birmingham ...	21·5	0	SW	3	c	61	75	53	8	5	7	-	9	9+	1500	1	*
	Upper Heyford	22·1	+2	SW	3	c/r	62	75	54	8	6	7	-	7-8	9+	2500	0	*
4	Ross-on-Wye	22·4	+4	SW	4	c	58	85	54	8	5	-	-	10	10	2500	1	*
5	Hartland Point	23·0	+4	WSW	4	o	54	97	54	6	5	-	-	10	10	600	1	3
	Bristol ...	24·0	+6	W	3	c	60	92	57	8	5	-	-	10	10	1400	0	*
	Portland Bill ...	25·6	+8	S	4	f	55	92	53	2	5	-	-	10	10	<150	1	4
	Plymouth ...	25·5	+2	SW	3	c	55	97	55	7	5	-	-	7-8	9+	500	1	1
	The Lizard ...	25·5	+8	W'S	5	ido	55	97	55	7	5	-	-	10	10	800	1	4
	Scilly (St. Mary's)	25·1	+10	SW'W	4	c	56	92	54	6	5	-	-	10	10	600	1	
	Guernsey ...																	
6	Pembroke ...	22·2	+6	SW'W	5	c	54	97	53	6	5	-	-	10	10	2500	1	2
7	Holyhead (Valley)	19·2	+4	SW'S	5	m	55	92	53	4	5	-	-	10	10	<150	1	3
	Chester (Sealand)	19·7	+4	SSW	3	bc	62	75	55	6	8	6	-	4-6	4-6	2500	0	*
8	Manchester ...	20·0	+2	SSW	3	o/r	60	85	56	8	5	-	-	10	10	2000	1	*
10	Spurn Head ...	20·6	0	SW	3	c	62	75	53	7	7	3	-	4-6	9+	1500	0	3
	Catterick (Sc) ...	18·8	-4	SSW	2	ic	59	85	56	6	5	2	-	7-8	10	1000	1	*
	Tynemouth ...	19·3	-10	SSE	2	c/r	50	97	50	6	-	2	-	10	10	1200	0	2
11	St. Abbs Head	15·5	-6	SE	5	rf	52	92	51	3	5	2	-	4-6	9+	1500	1	3
	Leuchars ...	16·4	-10	SE	1	d/o/d	52	97	51	4	6	2	-	4-6	10	300	1	*
12	Renfrew (Abbots I.)	15·1	+2	-	0	c/dr	55	92	53	5	5	2	-	4-6	10	1000	1	*
	Eskdalemuir ...	16·8	-4	S'W	3	rf	53	97	52	1	-	2	-	10	10	<150	1	*
	Point of Ayre ...	16·6	+4	W'N	5	b	67	75	57	8	2	6	-	Tr	1	2000	1	4
13A	Tiree	13·8	+16	SW	3	c	55	92	52	7	5	-	-	9+	9+	1800	1	3
13B	Stornoway ...	10·9	+6	S	5	d/o/d	52	97	51	6	5	2	-	9	10	1800	1	3
15	Dalwhinnie ...	14·5	0	S	3	c	51	85	47	7	5	-	-	9+	9+	1500	1	*
	Aberdeen ...	17·3	-12	S	3	Zo	49	92	47	5	5	2	-	9	10	800	1	2
	Wick ...	15·3	-18	SE'S	4	ic	48	92	46	7	8	2	-	4-6	9	2500	1	*
16	Sumburgh ...	18·4	-14	SE'S	4	c	51	85	48	8	5	3	7	7-8	10	3000	0	2
17	Blacksod Point	15·6	+12	SW	5	bc	57	85	52	8	8	-	-	4-6	4-6	1500	1	4
18	Malin Head ...	14·2	+22	W'S	5	b-bc	58	97	57	8	9	-	-	2-3	2-3	2500	1	4
	Aldergrove ...	15·8	+14	SW'S	3	b-bc	64	75	54	9	8	4	-	2-3	2-3	3000	1	*
19	Birr Castle ...	18·1	+10	NSW	3	c-bc	62	65	50	8	8	-	-	7-8	7-8	1500	1	*
20	Valentia Obsy.	20·6	+14	SW'W	4	bc	58	85	53	8	2	-	-	4-6	4-6	1500	1	3
	Roches Point	20·8	+6	SSW	4	ido	57	97	56	8	5	-	-	10	10	450	1	4

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)	bcwc	c	cd.d.c	c
	Croydon ...	bbcyc	c	cmoid.	cm.id.mo
	S. Farnborough	bcyc	cbcc	cd.cm.	cm.wid.m.c
	Boscombe Down	cd.d.c	cidc	ccid.m.cm.o.m.id.c	
	Thorney Island	c	c	cmoc	com.id.
	Lympne ...	bcy	bcycb	bcofm	om
	Manston ...	bzobczoy	bczobcy	cbccmo	cmo
	Shoeburyness ...	bcwzobzobcbcyc			bcmocw
	Felixstowe ...	bybcy	c	cbc	bcc
	Gorleston ...	bczobc	bcfmc	clbc	c
	Mildenhall ...	bmozobcy	cyc	c	c
	Cranwell ...	bbzoby	cbbcyc	bcmoc	bcc
3	Birmingham ...	bcc	c	c	cbc
	Upper Heyford	bcmocy	ccicc	cm.ccmo	cm.o.cbc
4	Ross-on-Wye	c	c	cbcb	bbcc
5	Hartland Point	dFFf	dfdfo	oFFe	FFe
	Bristol ...	ccidoc	c	cid.m.d.do	cm.d.dd.
	Portland Bill ...	off	off	o	o
	Plymouth ...	pdodocmo	cmoc	d.d.fm	omfmo
	The Lizard ...	dfffo	ocid	cidc	odfd
	Scilly (St. Mary's)	c	cdoc	id.ff Fe	bffe
	Guernsey ...				
6	Pembroke ...	ff FF	cmo	idfFe	bc
7	Holyhead (Valley)	ciroc	crodocm	offfd.	bcb
	Chester (Sealand)	cz.	cbc	bcz.c	cromoc
8	Manchester ...	cyzoyc	irororo	ccmo	cbcmo
10	Spurn Head ...	c	proc	o	cm.
	Catterick (Sc) ...	ofcmozofc	cirorno	bcm.cmo	bc
	Tynemouth ...	offmo	ofirmo	cbcmo	bbc
11	St. Abbs Head	ormofffr	cmocir	cmobc	bcmobc
	Leuchars ...	cmoirombccmfrocmrr	rdombofbf	cbcmobc	
12	Renfrew (Abbots I.)	cmmrorc	rorodocc	cmocmbcmcmbcmcmoiroc	
	Eskdalemuir ...	ofcmoiro	cormof	or.r.F	ofcbc
	Point of Ayre ...	rororo	rocb	b	b
13A	Tiree	crr	cidoc	bcb	bbcc
13B	Stornoway ...	ccrm.	crr dodomocd.d.cjp		cbccproc
15	Dalwhinnie ...	oir	oproc		coproc
	Aberdeen ...	ffcmo	crororcmo	cmobcbw	bw
	Wick ...	c	crorocmocir	cir.bcmbc	bc
16	Sumburgh ...	c	c	cir.c	cddir.cbc
17	Blacksod Point	d	d	pr	bc
18	Malin Head ...	r	c	r	pr
	Aldergrove ...	crrcdor	doridobc	bcb	bbcw
19	Birr Castle ...	r	c	c	c
20	Valentia Obsy.	d	c	bc	bc
	Roches Point	d	d	d	b

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

Districts.	
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales	Winds becoming light and variable; fair to fine; rather warm.
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 to light west to northwest wind; fair; rather warm.
13A W. Scotland ... 13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh southwest winds becoming westerly moderate; mainly cloudy; a few local showers at first; brighter periods; rather cool in the west and north, warmer inland.
16 Orkneys and Shetlands	As 13A - 15.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light variable to southerly winds; mainly fair but cloudy to dull at times on the west coast tomorrow with local drizzle; rather warm and close inland.

GENERAL INFERENCE

An anticyclone is developing over the British Isles as a depression west of the Faeroes moves away northwards. Weather will be fair in many areas apart from a few showers at first in the extreme north and mainly fair warm conditions are likely to continue for a few days over England and Wales.

FURTHER OUTLOOK

Fair and warm over most of England and Wales and Southeast Scotland.

Forecasts issued at 10.30.

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

7h. Thursday 27th May 1943.

10° 5°W. 0° 5°E. 10°

60° 55° 50°

LOW

HIGH

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

STATION MODEL

High Cloud

Medium cloud — Total Amount of cloud

Temperature °F. — Wind

Present weather — Barometer mb.

Visibility — Bar. change in past 3 hours in mbs.

Dew Point °F — Weather in past hour

Low cloud — Past weather

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

Scale 1 : 5,000,000

Mb 1050 1040 1030 1020 1010 1006 1000 990 980 970 960 950 940

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

Fe 515/1471. Wt. 8081 D.1545. Gp. 378/2. 7440. 8/43

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

Explanation of Frontal Lines shown on Charts

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

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

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

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

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

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

Morning of

Thursday 27th May.

1943.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

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

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

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

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

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

Thursday 27th May 1943 — No. 29771

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

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. (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	59	*	*	*	*	*	*	*	*	*
	Croydon ...	290	25·5	+6	SSW	2	c/d	59	97	57	6	5	-	-	10	10	2500
	S. Farnborough	226	25·5	+2	W'S	3	Z_o	58	92	56	6	5	-	-	10	10	900
	Boscombe Down	417	25·6	+6	SW'W	2	Z_o	57	92	57	6	5	-	-	10	10	500
	Thorney Island	10	25·8	+2	SW'W	3	c	57	92	55	7	5	-	-	9+	9+	600
	Lympne ...	283	25·5	+2	SW	2	m	55	97	55	4	5	-	-	10	10	100
	Manston ...	154	25·0	+2	WSW	3	Z_o	57	92	54	6	5	-	-	10	10	400
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	23·5	-2	SW'W	3	bc	60	92	58	7	5	-	-	4-6	4-6	4000
	Gorleston ...	5	22·4	0	W'S	2	Z_o	61	85	56	5	5	-	-	2-3	2-3	1500
	Mildenhall ...	15	23·5	+6	WSW	3	c	50	85	45	7	5	-	-	9+	9+	2500
	Cranwell ...	203	22·0	+6	SW'W	3	c-bc	59	85	55	7	5	-	-	7-8	7-8	1700
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	24·3	+6	SW'W	2	Z_o	57	97	55	6	5	-	-	10	10	600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	25·2	+8	WSW	5	F	54	97	54	1	-	-	-	10	10	4150
	Bristol ...	209	25·6	+4	WSW	2	d.d.	56	97	56	5	6	2	-	7-8	10	700
	Portland Bill ...	32	26·4	+4	SW	4	o	55	92	53	7	5	-	-	10	10	2500
	Plymouth ...	82	27·1	+4	SW	3	m/f	55	97	55	4	5	-	-	10	10	200
	The Lizard ...	240	26·6	+4	WSW	4	c/d	54	97	54	5	5	-	-	10	10	500
	Scilly (St.Mary's)	163	26·5	+2	WSW	4	F+	55	97	55	1	-	-	-	10	10	4150
	Guernsey ...	175															
6	Pembroke ...	142	25·7	+10	W'N	3	F+	53	97	53	1	-	-	-	10	10	4150
7	Holyhead (Valley)	32	22·8	+14	SW'W	3	f	52	97	52	2	-	-	-	10	10	4150
	Chester (Sealand)	16	22·1	+10	SW	2	c-bc	58	85	52	7	5	-	-	7-8	7-8	3500
8	Manchester ...	235	22·2	+10	SW'S	3	Z_o	57	92	54	6	5	-	-	10	10	1200
10	Spurn Head ...	29	21·5	+4	WSW	3	o	59	85	54	6	7	-	-	10	10	1500
	Catterick (Sc) ...	192	21·0	+10	-	0	Z_o	56	85	52	6	5	-	-	9	9	1400
	Tynemouth ...	108	20·2	+12	W	2	Z_o	55	85	51	6	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	17·7	+12	W	3	b-bc	55	85	51	7	4	-	-	2-3	2-3	2500
	Leuchars ...	36	18·6	+10	WSW	1	Z_o	45	97	45	6	-	4	8	0	4-6	-
12	Renfrew (Abbotts L)	19	18·9	+12	SW'W	1	m	53	92	50	4	5	-	-	7-8	7-8	1800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	20·5	+16	WNW	4	b	53	85	48	8	8	4	-	Tr	4	2500
13A	Tiree	44	17·4	+14	SW'S	3	b	51	92	50	7	5	-	-	Tr	Tr	3000
13B	Stornoway ...	15	13·5	+10	SSW	3	c-bc	51	92	49	7	8	-	-	7-8	7-8	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	17·3	+4	-	0	Z_o	46	97	46	5	-	7	-	0	Tr	-
	Wick ...	114	15·1	-2	SSE	3	b-bc	49	92	47	8	5	-	-	2-3	2-3	3000
16	Sumburgh ..	19	15·5	-12	SSE	4	c	50	85	46	8	5	2	-	9	10	3000
17	Blacksod Point	18	22·6	+14	WSW	4	bc	53	92	51	8	9	-	-	4-6	4-6	1500
18	Malin Head ...	84	18·7	+22	SW'S	4	bc	52	85	48	8	8	7	-	2-3	4-6	2500
	Aldergrove ...	268	20·8	+18	SW'S	3	b	51	85	46	8	5	-	-	1	1	2000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	24·8	+10	SW	3	b	51	92	49	8	1	-	-	1	1	1500
	Roches Point	22	25·0	+14	W'S	3	b	51	97	51	8	5	-	-	1	1	1500

OBSERVATIONS at 7 hr. G.M.T. 27th May

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)	26·6	+14	WNW	2	c	60	85	55	7	8	2	-	7-8	10	1500	1	*
	Croydon ...	26·8	+14	SW'W	1	c	59	92	57	6	5	2	-	9	10	900	0	*
	S. Farnborough	26·8	+10	WNW	2	c/d	59	92	56	8	8	-	-	9+	9+	900	1	*
	Boscombe Down	26·8	+10	W	2	c	58	92	56	8	5	-	-	9+	9+	600	0	*
	Thorney Island	27·0	+10	W'S	3	id.	57	97	56	5	5	-	-	10	10	400	1	*
	Lympne ...	26·7	+12	W	2	m	58	92	57	4	4	-	-	10	10	400	0	3
	Manston ...	25·8	+6	W'N	2	Z_o	62	85	57	6	5	3	-	9	9+	1200	0	-
2	Shoeburyness ...	25·5	+4	W	2	Z_o	62	85	58	5	1	3	-	2-3	9	2500	1	*
	Felixstowe ...	25·4	+16	W'N	3	c	64	65	53	7	5	-	-	9+	9+	4000	0	3
	Gorleston ...	23·7	+10	W	3	c	60	85	54	7	5	-	-	9	9	600	0	2
	Mildenhall ...	24·8	+8	W	3	c-bc	60	85	56	8	5	-	2	4-6	7-8	1800	0	*
	Cranwell ...	24·3	+14	W'S	3	c	58	92	54	7	5	6	-	9+	9+	2000	0	*
3	Birmingham ...	25·7	+10	W	3	bc	57	75	49	8	1	4	2	2-3	4-6	1500	1	*
	Upper Heyford	25·3	+8	W'S	3	c-bc	58	85	54	7	5	3	4	1	7-8	1900	1	*
4	Ross-on-Wye	25·6	+8	WNW	2	c-bc	59	85	54	8	8	-	1	4-6	7-8	3000	1	*
5	Hartland Point	27·2	+12	WSW	3	c	53	97	53	6	5	-	-	9+	9+	1200	1	3
	Bristol ...	27·0	+10	W	2	id.	57	97	56	6	5	-	-	4-6	9+	800	1	*
	Portland Bill ...	26·7	+6	SW	4	o	55	92	53	7	5	-	-	10	10	2500	1	*
	Plymouth ...	28·0	+12	WSW	3	id.	57	97	57	5	5	2	-	9+	10	300	1	1
	The Lizard ...	29·5	+6	-	0	d+	55	97	55	2	5	-	-	10	10	200	1	4
	Scilly (St.Mary's)	28·1	+12	NW	2	c/f	55	97	55	6	5	-	1	9+	9+	500	1	3
6	Pembroke ...	27·1	+14	NW'W	2	b-bc	52	92	49	8	1	-	-	2-3	2-3	2500	1	2
7	Holyhead (Valley)	26·2	+18	W	2	b-bc	54	75	48	8	5	-	5	1	2-3	4000	1	1
	Chester (Sealand)	25·4	+18	NW'W	2	c	56	75	49	8	7	7	-	9	9+	3200	0	*
8	Manchester ...	25·0	0	W	3	Z_o	57	75	49	6	1	6	-	4-6	4-6	2000	0	*
10	Spurn Head ...	24·0	+14	W'N	3	Z_o	58	85	54	6	7	2	-	7-8	9	1500	0	2
	Catterick (Sc) ...	23·0	+14	SSW	2	c-bc	57	75	49	8	2	3	-	4-6	7-8	2000	0	*
	Tynemouth ...	22·5	+14	W	1	b-bc	56	75	47	7	2	-	-	2-3	2-3	2500	1	2
11	St. Abbs Head	20·3	+18	W	4	bc	54	85	48	7	5	6	-	2-3	4-6	3000	0	3
	Leuchars ...	20·2	+10	WSW	2	bc	55	85	49	8	5	-	-	4-6	4-6	4000	1	*
12	Renfrew (Abbotts L)	21·6	+14	WSW	4	c	54	85	48	8	8	6	-	4-6	9	800	1	*
	Eskdalemuir ...	22·3	+20	W'N	3	bc	52	75	46	8	5	4	-	4-6	4-6	1500	1	*
	Point of Ayre ...	23·8	+26	W'N	4	b	55	85	49	8	4	-	-	Tr	Tr	2000	0	3
13A	Tiree	19·8	+16	WSW	3	c	53	85	49	8	5	-	-	9+	9+	6000	0	3
13B	Stornoway ...	13·8	+6	SSW	6	c/pr	51	92	49	8	8	-	-	9	9	1500	1	5
15	Dalwhinnie ...	19·0	+10	SW	3	c	52	75	44	8	7	-	-	9	9	2500	1	*
	Aberdeen † ...	18·5	+6	SW'W	2	b	56	75	46	8	5	4	-	Tr	Tr	4000	1	1
	Wick ...	16·7	+10	SSW	4	b-bc	54	75	46	9	5	-	-	2-3	2-3	3500	0	*
16	Sumburgh ..	15·6	+6	SSW	3	bc	50	97	49	7	5	-	5	4-6	4-6	2500	1	2
17	Blacksod Point	24·0	+20	W'S	5	bc	54	85	49	8	8	-	6	4-6	4-6	2500	1	4
18	Malin Head ...	21·4	+18	W'S	4	c-bc	54	85	49	8	8	-	-	7-8	7-8	2500	1	3
	Aldergrove ...	23·8	+12	SW	3	bc	53	85	49	7	8	3	-	2-3	4-6	4500	1	*
19	Birr Castle ...	25·4	+24	S	1	c-bc	54	85	49	8	5	-	3	7-8	7-8	1500	1	*
20	Valentia Obsy.	27·3	+14	SW'W	3	c	54	85	49	8	5	3	-	9+	9+	1500	1	2
	Roches Point	27·6	+16	-	0	bc	51	92	49	8	-	-	5	0	4-6	-	1	3

PAST 24 HOURS

District	Stations	Temperature. Max. Day 7h–18h °F. (33)	Temperature. Min. Night 18h–7h °F. (34)	Temperature. Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 26th Hrs. (38)
1	London (Kew)	65	58	57	-	Tr	6·2
	Croydon ...	67	58	56	-	Tr	7·6
	S. Farnborough	66	57	57	-	Tr	9·0
	Boscombe Down	63	62	56	Tr	Tr	1·2
	Thorney Island	64	55	54	-	-	*
	Lympne ...	65	53	52	-	-	11·4
	Manston ...	68	54	52	-	-	11·4
2	Shoeburyness ...	71	58	56	-	-	15·9
	Felixstowe ...	69	57	55	-	-	11·1
	Gorleston ...	64	59	54	-	-	10·3
	Mildenhall ...	71	56	56	-	-	9·5
	Cranwell ...	54	55	52	-	Tr	8·0
3	Birmingham ...	64	54	48	-	-	12·2
	Upper Heyford	64	62	47	0·1	-	*
4	Ross-on-Wye	62	53	47	-	-	0·1
5	Hartland Point	55	53	53	0·1	1	0·0
	Bristol ...	65	55	55	-	1	0·6
	Portland Bill ...	56	52	*	-	-	*
	Plymouth ...	57	54	54	Tr	0·1	0·0
	The Lizard ...	56	50	*	Tr	1	0·0
	Scilly (St.Mary's)	59	53	*	Tr	0·3	0·0
6	Pembroke ...	56	51	*	Tr	Tr	0·0
7	Holyhead (Valley)	57	49	46	0·1	Tr	*
	Chester (Sealand)	66	55	37	-	Tr	2·3
8	Manchester ...	65	55	53	0·3	-	*
10	Spurn Head ...	63	57	*	Tr	-	1·2
	Catterick (Sc) ...	61	47	41	0·2	-	0·7
	Tynemouth ...	51	50	45	1	-	*
11	St. Abbs Head	53	49	*	1	0·5	*
	Leuchars ...	54	45	39	1	0·1	0·0
12	Renfrew (Abbotts L)	55	50	41	6	0·6	0·0
	Eskdalemuir ...	54	48	47	5	0·2	0·0
	Point of Ayre ...	69	49	*	1	-	4·7
13A	Tiree	57	50	48	0·2	-	*
13B	Stornoway ...	55	50	47	0·3	Tr	0·1
15	Dalwhinnie ...	51	45	38	2	Tr	0·0
	Aberdeen † ...	49	48	37	0·5	-	0·0
	Wick ...	52	46	40	0·5	Tr	0·0
16	Sumburgh ..	52	46	46	-	2	1·3
17	Blacksod Point	61	52	*	1	Tr	*
18	Malin Head ...	61	51	*	1	0·1	*
	Aldergrove ...	66	49	44	6	Tr	5·1
19	Birr Castle ...	64	48	44	1	-	2·1
20	Valentia Obsy.	60	50	46	0·1	Tr	1·4
	Roches Point	58	49	*	0·6	0·1	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 26th May ... 18h. G.M.T. — 01h. G.M.T. 27th May ... 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	51	02646	45528	52	61755	14568				54	01843	14224
115	52	02844	45525	52	02844	16425	52	02844	20526	57	02844	53627
203										5-	03838	16228
206	02	64658	18168	52	02855	14167	5-	01853	24113	5-	02966	24326
210	52	62864	14368	5-	02867	12367	50	01861	19311	73	01863	20403
219	52	66626	14768	5-	02758	18468	5-	02755	18615	8-	81755	21685
230	62	64646	12268	52	02845	20266	5-	02857	18327	2-	25857	53487
245	02	61628	19548	02	52408	08268	52	41537	00048	50	01763	20223
260				6-	61447	00067	5-	08444	00014	6-	05755	20325
278	62	62527	13468	20	01844	16264	5-	02854	22324	54	01852	20113
279	6-	64658	14268	57	02746	20467	26	02754	18425	26	01851	22312
285										27	02745	24516
288	52	08454	02228	52	62655	17368	00	01790	20310	03	01890	20212
575	62	63745	18367	20	01853	22324	50	01744	18414	8-	02855	22325
301	57	05664	14428	5-	22735	20567	5-	05628	22528	5-	02755	24426
321	57	02764	20418	57	05656	20228	50	01764	20124	5-	05655	24326
2.9	5-	08428	10128	5-	05648	16328	50	05544	24314	14	01742	24213
292	57	05663	19328	52	22655	18168	5-	05648	24228	54	01853	24223
310	--	02628	20428									
614	17	05653	22428	57	05665	20327	52	05645	22228	87	81646	24227

13h. G.M.T. 26th May ... 18h. G.M.T. — 01h. G.M.T. 27th May ... 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-	05618	17558							5-	45308	18448	54	01852	28175
334													--	02646	28217
340	57	02755	18427										87	02954	24125
136	13	02764	20317	57	02764	20327	5-	02785	20425	5-	04744	22227
336				52	02656	20328							52	02754	28329
350	57	02856	20317	57	52655	22368	5-	05646	22356	20	01854	20325
368	52	02745	24257	5-	02824	24328							5-	05638	22358
379	57	02846	20418	5-	02737	22458	5-	05628	22458	5-	02735	20226
390	26	05664	16315	87	05664	20325	5-	51448	18158	23	01753	22224
382	47	02855	20327	5-	02845	21368	57	05637	24328	5-	02847	25327
438													00	48009	23449
430	5-	02836	18226	5-	02766	18226	5-	05628	24228	5-	51418	22128
409	52	52726	21558	5-	52628	21458	--	57209	20459	52	05637	28258

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

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

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LONDON OBSERVATIONS

For the 24 hours ending morning of 27th May
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 ...	bcewc	c	cd.d.c	Kew 24 hours ended Max. [illegible]
Croydon ...	bbcyc	c	cm.id.mo	0·1 3-4h 27th
Greenwich ...	bbc	bcc	cr.cbc	Min. Times
Camden Square	be	c	*	40·1 rest of period
Kensington ...	bc	cbcc	*	
Hampstead ...	bc	op	bc	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs	Humidity 15h %	Humidity 9h %
						Yesterday	To-day	
Kew ...	65	58	57	-	Tr	6·2	*	*
Croydon ...	67	58	56	-	Tr	7·6	*	*
Greenwich ...	69	58	57	-	Tr	7·8	68	65
Westminster ...	67	59	48	-			73	69
Regents Park ...		47	45	-	Tr		66	64
Camden Square	69	59	57	-	-	*	*	63
Kensington ...	68	59	52	Tr	-		76	69
Hampstead ...	66	57	55	-	Tr		*	73

SECRET

Page 1

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

Friday 28th May 1943 — No. 29772

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp °F. (6)	°F. Humid. (7)	°F. Dew Point. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	26·4	-2	WNW	3	bc	68	45	47	8	8	2	1	2-3	4-6	2500
	Croydon ...	26·3	-2	W	3	bc	71	45	51	8	1	6	-	4-6	4-6	3500
	S. Farnborough	26·8	-2	W	3	bc	70	45	50	8	1	-	-	4-6	4-6	3000
	Boscombe Down	26·8	-6	N'S	3	bc	68	55	53	9	1	-	-	4-6	4-6	2500
	Thorney Island	26·9	-4	SW	3	bc	65	85	58	8	2	-	-	4-6	4-6	4000
	Lympne ...	26·9	+2	SW	3	c-bc	67	75	59	8	2	-	-	7-8	7-8	3000
	Manston ...	26·0	+2	NNW	3	b-bc	70	55	52	7	2	-	5	2-3	2-3	2500
2	Shoeburyness ...	26·0	-2	WNW	2	bc	70	55	53	7	2	-	-	4-6	4-6	4000
	Felixstowe ...	25·8	0	SSE	3	c-bc	67	75	58	8	8	-	1	4-6	7-8	2500
	Gorleston ...	25·2	+12	ENE	2	c-bc	59	85	54	7	8	-	-	7-8	7-8	2500
	Mildenhall ...	25·3	-2	W	3	c-bc	70	45	50	8	1	-	1	7-8	7-8	2500
	Cranwell ...	25·5	+6	WSW	4	bc	67	55	48	7	1	-	1	4-6	4-6	4000
3	Birmingham ...	26·0	+2	W	2	bc	64	45	44	8	7	-	1	4-6	4-6	2500
	Upper Heyford	26·0	-4	W'N	3	c-bc	66	55	50	8	2	-	1	7-8	7-8	3000
4	Ross-on-Wye	26·1	0	NW'N	3	b-bc	66	45	50	8	1	-	1	2-3	2-3	4000
5	Hartland Point	28·7	+6	NW	3	bc	56	85	53	7	2	-	4	2-3	4-6	1500
	Bristol ...	27·6	0	W	3	b-bc	65	65	51	8	1	-	1	2-3	2-3	2500
	Portland Bill ...	28·4	+6	SW	4	c	58	85	54	8	2	-	-	9	9	4000
	Plymouth ...	28·7	+2	SW	4	c-bc	60	85	55	9	7	4	2	2-3	7-8	3000
	The Lizard ...	28·6	+6	-	0	bc	60	85	56	8	5	3	-	4-6	4-6	2000
	Scilly (St. Mary's)	29·8	+10	N	2	pr	58	85	53	8	5	7	-	7-8	9+	1800
	Guernsey ...															
6	Pembroke ...	29·2	+8	W	2	bc	55	85	51	8	2	4	5	2-3	4-6	2500
7	Holyhead (Valley)	27·7	+2	SSW	2	b-bc	59	75	49	8	1	-	1	1	2-3	3000
	Chester (Sealand)	26·5	-2	NW	3	c-bc	61	65	51	8	2	-	9	4-6	7-8	3000
8	Manchester ...	26·6	+6	WNW	3	c	62	55	46	7	2	4	-	4-6	9	3500
10	Spurn Head ...	25·1	+6	NW	4	bc	62	65	49	7	7	3	-	2-3	4-6	2500
	Catterick (Sc) ...	24·3	+8	W	3	c-bc	65	55	46	9	1	-	9	4-6	7-8	3000
	Tynemouth ...	24·2	+6	W	3	bc	64	45	44	7	2	3	-	2-3	4-6	2500
11	St. Abbs Head	21·3	+2	W	4	bc	61	55	45	9	1	-	-	4-6	4-6	3500
	Leuchars ...	20·8	+2	W	4	bc	63	45	40	8	2	-	-	4-6	4-6	2500
12	Renfrew (Abbotsl.)	23·1	+6	N'S	5	c-bc	61	55	45	8	2	-	8	7-8	7-8	2500
	Eskdalemuir ...	23·6	+6	W	4	c-bc	58	55	42	8	5	-	-	7-8	7-8	2500
	Point of Ayre ...	25·6	+4	WNW	4	b-bc	66	55	49	8	1	6	4	Tr	2-3	3000
13A	Tiree	22·7	+14	SWW	5	c-bc	55	85	50	8	1	-	-	7-8	7-8	2000
13B	Stornoway ...	16·4	+10	SW	8	bc/pr	56	75	46	8	8	-	-	4-6	4-6	1800
15	Dalwhinnie ...	21·0	+18	SW	4	c-bc	53	65	43	8	8	-	-	7-8	7-8	2500
	Aberdeen ...	19·0	-4	WSW	4	b-bc	66	35	39	9	1	-	-	2-3	2-3	5000
	Wick ...	17·7	+6	WSW	6	c	61	65	52	9	8	-	-	9	9	2000
16	Sumburgh ...	16·0	+4	WSW	6	b-bc	54	75	47	8	7	7	-	1	2-3	2500
17	Blacksod Point	26·1	+6	WSW	4	c	58	85	54	8	8	-	6	4-6	9	2500
18	Malin Head ...	23·5	+6	WNW	5	b-bc	56	75	49	8	8	-	-	2-3	2-3	2500
	Aldergrove ...	25·4	+4	W'S	3	c-bc	60	55	45	9	1	-	6	2-3	7-8	2500
19	Birr Castle ...	26·9	+2	SW	2	c	63	55	48	8	8	-	8	7-8	9	1500
20	Valentia Obsy.	28·8	+6	SW	3	c	59	75	52	8	2	7	1	2-3	9+	2500
	Roches Point	28·5	+2	SSW	3	c-bc	59	85	55	8	3	-	6	2-3	7-8	1500

OBSERVATIONS at 18h. G.M.T. 27th May

District	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	°Temp. (21)	°F. Humid. (22)	°F. Dew Point. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	25·8	0	W'N	2	c	68	48	47	8	7	1	6	1	9+	2500	1	*
	26·5	+2	W'S	2	c-bc	69	55	49	8	4	-	3	2-3	7-8	3500	0	*
	26·3	-2	WNW	3	c	69	45	43	8	1	7	6	1	9+	3500	0	*
	26·6	-2	W'N	2	c	63	65	50	8	-	7	6	0	9	-	0	*
	26·7	-2	SW	4	c	62	75	55	9	1	7	-	Tr	9	2500	0	*
	26·1	-4	SW	2	b	66	75	57	8	2	-	4	Tr	1	3000	0	3
	25·5	-2	SE'S	2	b-bc	64	85	59	7	2	-	-	2-3	2-3	5000	0	*
2	25·6	0	-	0	bc	70	55	56	7	7	-	-	4-6	4-6	4000	0	*
	25·1	-6	S'E	3	bc	63	75	56	8	1	-	-	4-6	4-6	3500	0	2
	25·2	0	SE'E	1	bc	60	85	54	7	1	-	-	4-6	4-6	2500	0	2
	25·3	-2	NW'N	2	bc	69	55	50	8	2	-	1	4-6	4-6	4000	0	*
	25·7	+4	WNW	4	bc	65	45	44	7	1	-	2	0	4-6	-	0	*
3	26·0	-2	NE	3	bc	66	45	46	8	7	-	2	4-6	4-6	4000	1	*
	25·7	0	NW'N	2	c-bc	67	55	50	8	1	-	6	2-3	7-8	3500	0	*
4	25·7	0	NW'W	2	b-bc	66	45	46	9	2	-	3	Tr	2-3	4000	0	*
5	28·2	-4	WNW	3	c	55	85	51	8	1	9	3	Tr	9	2000	0	3
	27·1	-2	WNW	3	c	61	75	52	8	-	-	6	0	9	-	1	*
	27·2	-4	W	4	c/pr	58	85	54	8	5	7	-	4-6	10	2500	1	4
	28·7	+2	NNW	2	c/r	58	85	52	8	5	7	2	2-3	9+	3000	1	1
	28·1	-4	NW	2	c-bc	59	75	49	8	7	3	-	7-8	7-8	2500	1	3
	29·2	-6	N'W	2	c	65	75	47	8	8	5	5	Tr	9+	1800	1	2
6	28·6	-2	W	2	c-bc	55	85	51	7	1	7	-	1	7-8	2500	0	3
7	27·5	+2	SW	3	bc	56	75	48	8	1	-	2	Tr	4-6	3000	1	1
	26·8	-2	NW	3	bc	61	55	45	8	1	-	9	2-3	4-6	2500	0	*
8	26·5	+2	WNW	4	c-bc	62	45	41	8	-	-	2	0	7-8	-	0	*
10	24·9	0	NW'W	4	bc	64	45	38	7	7	3	2	2-3	4-6	2500	0	3
	25·3	+8	WSW	3	c	61	65	47	9	4	3	9	2-3	9	3500	0	*
	25·0	+2	W	4	c-bc	63	75	55	7	2	3	-	4-6	7-8	2200	0	2
11	22·1	+4	W	4	bc	60	55	45	7	1	7	-	2-3	4-6	3500	0	3
	22·1	+8	WSW	4	c-bc	61	45	38	9	2	7	9	4-6	7-8	2500	0	*
12	23·8	+2	W	4	bc	57	65	47	8	2	4	-	4-6	4-6	1600	0	*
	24·6	+2	W	4	bc	58	55	42	8	8	7	1	2-3	4-6	2700	0	*
	25·4	0	W	4	c	61	65	47	8	8	-	-	9+	9+	3000	0	3
13A	23·7	+6	SW'W	4	b-bc	54	85	50	8	1	-	-	2-3	2-3	2000	0	4
13B	17·6	+10	SW	8	bc/pr	54	75	45	8	8	-	-	4-6	4-6	1800	1	5
15	21·6	+4	SW	4	c-bc	52	65	39	7	5	-	-	7-8	7-8	2500	0	*
	20·4	+10	W	3	bc	64	45	39	9	4	-	9	2-3	4-6	5000	0	2
	18·3	+2	SW	5	c-bc/pr	59	55	41	9	8	-	-	7-8	7-8	2000	0	*
16	15·8	-2	SW'W	6	b-bc/pr	51	85	48	8	7	-	-	2-3	2-3	3000	1	3
17	26·8	+6	WSW	4	bc	57	85	53	8	8	-	-	4-6	4-6	2500	1	3
18	24·6	+6	W	5	b-bc	55	85	51	8	8	-	-	2-3	2-3	2500	1	4
	25·5	+2	W'N	3	b-bc	61	55	47	9	1	-	8	2-3	2-3	3000	1	*
19	27·1	+2	SW	2	c-bc	63	55	48	8	2	-	3	4-6	7-8	1500	0	*
20	28·8	+2	SW	3	c	57	85	53	8	1	7	3	1	9+	2500	1	3
	28·1	-2	SW'S	3	c-bc	59	85	55	8	3	7	5	1	7-8	1500	1	3

PAST 24 HOURS.

District	Weather. 7h.–13h. 27th (39)	Weather. 13h.–18h. 27th (40)	Weather. 18h. 27th to 1h. 28th (41)	Weather. 1h.–7h. 28th (42)
1	cbcy	bbccy	cybcb	bw, ez.
	cbcy	bcy	bez.	bm. cm.
	bcy	bcy cy	cbcycbbcm.	bcm. wcz.
	cbcy	bcyc	cbc	bcc
	c	bcyc	cbcbw	cw
	pmcm. cbc	bcb	bbcenf	cm.
	cm. bcbcy	bcy	bccbcb	bcm. mm.
2	cm. wcbc	bcy	bc	bcm.
	cbc	bc	bcbm.	cm.
	bc	cbc	bccz. w	cz. bc
	c	cybcy	bcycycbcc	cm.
	cpr m. c	bcybcy	bcbz.	bccbm.
3	c	bc	bc	bcb
	cbcbcy	bcycy	cycbc	bccm. fcm.
	bccbcy	bcvy	bcyc	bcc
5	cbc	cbc	cbc	bbcw
	cidcm. cbc	bcc	c	cm. w
	c	cpr	c.	c
	d. m. cbc	r. c. i. g. c.	c. r.	c
	bcbc	bcc	cbcw	bccw
		cp. c	cp. cw	cbc
6	bc	bcc	cw	cbcwm.
7	bc	bc	bcb	b
	c. bc	bcy	bccbcm.	bbm.
8	bcc. c	cbcy	bccybc	bbcbm.
10	bc	bc	bcm.	bcm.
	bcbcyv	bcycy	b	bbccbc
	bc	bcc	cbc	bcm.
11	bccbc	bc	bcbc	bcb
	bccbcy	bcy	bcybbcw	bcwcm. bc
12	cbccy	cybcybc		bcm. wbcc
	bccy	cybcy	bcybc	bcc
	by	bbcc	bc	bw
13A	bccbcc	bc	b	bbc
13B	cprobc	bccpg	bccpr. c	cr. c
15	c	c		coc
	bbcy	bcy	bcyb	bby
	bccpr. c	ccpr. cv	c	ccypv
	bccid. bcb	bcpr. bc	cir. r. r.	cr. r. m.
16				
17	c	bc	bc	bc
18	bc	bc	bc	bc
	bcwc	ccybcy	bcybyb	bccw
19	c	c		f
20	c	c	bc	b
	bc	c	c	be

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 28th May 1943

Districts	Forecast
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ... 10 N.E. England	Light variable winds; fine, with small amounts of cloud; warm to very warm.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13A W. Scotland ...	Moderate or fresh westerly winds, moderating; cloudy with bright intervals in the West and fine in the East; warm.
13B N.W. Scotland ⚜ 14 Mid Scotland 15 N.E. Scotland ⚜	Fresh or strong westerly winds, falling light; cloudy, with some bright intervals; local rain early in Shetlands; rather cool.
16 Orkneys and Shetlands ⚜	As 13B–15.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Light variable winds; fair; warm.

GENERAL INFERENCE

An anticyclone over southern districts of the British Isles is spreading north. Weather will be fine and warm in the South and cloudy with some bright intervals in the North.

FURTHER OUTLOOK

Fine and warm throughout most of the British Isles, but cloudy with some drizzle in western districts of Ireland. ⚜ Gale warning in operation in districts 13B, 15, 16 Issued 1900h 27th May 1943.

Forecasts issued at 10·30

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Friday 28th MAY 1943.

LOW

HIGH

1016 1014 1012 1010 1008 1006 1004 1018 1020 1022 1024 1026 1028

60° 55° 50° 5°W. 0° 5°E. 10°

STATION MODEL

High Cloud
Medium cloud
Low cloud
Amount 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 mbs.
Weather in past hour
Past weather
Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

Scale 1 : 5,000,000

Mb 1050 1040 1030 1020 1010 1000 990 980 970 960 950 940 930

H.M.S.O. Press, M.O.; Dunstable

(L515/1471). We. 8091 D.4545. Gp. 348/2. 7440. 5/43

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

Morning of

Friday 28th May,

1943.

Clarke's Projection Scale 1 : 4×10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. (L) Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere ; a chart showing the hours at which the observations are taken is contained in the Introduction.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

All times are G.M.T. Add two hours to get double summer time.

BRITISH SECTION — THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Friday 28th May 1943. No. 19772

OBSERVATIONS at 1 hr. G.M.T. 28th May

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	56									
	Croydon ...	290	27·1	+2	-	0	b	54	85	50	6	5	-	-	Tr	Tr	3000
	S. Farnborough	226	27·2	-2	WNW	2	bc	53	85	49	7	5	7	1	Tr	4-6	3500
	Boscombe Down	417	27·4	-2	NW'W	2	bc	50	92	47	7	-	7	-	0	4-6	-
	Thorney Island	10	26·9	-8	WNW	1	bc	53	92	50	7	-	3	2	0	4-6	-
	Lympne ...	283	26·6	-2	-	0	bf+	50	97	50	2	-	4	-	0	1	-
	Manston ...	154	26·4	0	NNW	1	b	56	92	54	7	5	-	-	1	1	3000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	26·1	+2	NW	1	b	57	97	56	6	-	7	-	0	1	-
	Gorleston ...	5	26·2	+2	NW	1	Z_o	55	92	53	6	5	3	-	4-6	7-8	1500
	Mildenhall ...	15	26·8	+4	-	0	c-bc	52	86	48	8	5	-	-	7-8	7-8	4000
	Cranwell ...	203	26·8	+2	W	3	Z_o	52	75	44	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	27·2	+2	NNW	1	b-bc	52	92	49	7	-	-	1	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	28·4	-6	NW	3	bc	53	97	53	7	5	4	-	4-6	4-6	2500
	Bristol ...	209	28·1	0	-	0	Z_o	50	97	49	6	-	8	8	0	9+	-
	Portland Bill ...	32	29·5	-6	W	3	c-bc	53	85	49	8	5	-	-	7-8	7-8	4000
	Plymouth ...	82	28·9	-2	NE	1	c-bc	53	85	49	8	5	3	6	4-6	7-8	3000
	The Lizard ...	240	28·5	0	-	0	bc	51	97	51	8	5	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	29·1	-4	N	2	c-bc	53	97	52	7	5	-	-	7-8	7-8	1200
	Guernsey ...	175															
6	Pembroke ...	142	28·9	-4	-	0	c-bc	52	97	52	7	5	7	-	2-3	7-8	4000
7	Holyhead (Valley)	32	27·6	0	S	2	b-bc	53	85	49	8	-	-	5	0	2-3	-
	Chester (Sealand)	16	27·2	0	-	0	bc	49	97	46	6	-	4	2	0	4-6	-
8	Manchester ...	235	27·4	0	-	0	b-bc	50	85	45	7	-	4	-	0	2-3	-
10	Spurn Head ...	29	26·3	0	WNW	3	Z_o	54	85	48	6	7	3	-	4-6	4-6	2500
	Catterick (Sc.) ...	192	26·8	+4	WSW	1	b	47	92	44	8	-	-	8	0	1	-
	Tynemouth ...	108	25·6	0	W	3	b-bc	52	85	48	7	-	3	-	0	2-3	-
11	St. Abbs Head	280	23·8	-2	W	3	bc	50	85	47	7	4	4	-	2-3	4-6	4000
	Leuchars ...	36	23·5	-4	SW	2	c-bc	47	85	43	8	5	4	6	Tr	7-8	4000
12	Renfrew (Abbotsl.)	19	25·2	-2	-	0	Z_o	47	97	46	6	8	-	-	4-6	4-6	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	28·2	+18	-	9	b	47	92	45	8	5	4	*	0	Tr	*
13A	Tiree	44	24·6	+4	WSW	4	b	50	97	49	7	5	-	-	1	1	2000
13B	Stornoway ...	15	20·1	+10	SW	6	c	50	85	45	8	5	-	-	9	9	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	22·1	+4	SW	2	bc	46	85	41	9	5	7	1	2-3	4-6	3000
	Wick ...	114	18·3	-4	SW	5	c	50	85	46	9	8	-	-	9	9	2800
16	Sumburgh ..	19	13·5	-10	SW'W	7	d.d.	49	92	46	7	5	2	-	9	10	1200
17	Blacksod Point	18	27·5	+2	SW'W	2	b-bc	51	97	51	8	5	-	-	2-3	2-3	2500
18	Malin Head ...	84	25·8	+2	W'S	3	b-bc	51	92	49	8	8	-	-	2-3	2-3	2500
	Aldergrove ...	268	27·5	+4	-	0	b-bc	45	92	43	8	5	-	-	2-3	2-3	2500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	29·1	+2	NE'E	2	b	44	97	44	8	-	-	-	0	0	-
	Roches Point	22	28·8	+4	N'W	3	bc	53	85	49	8	5	-	-	4-6	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 28th May

Barom. 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)
27·9	+8	NNE	2	Z_o	58	65	46	6	5	3	-	7-8	9+	2500	1	*
28·0	+6	-	0	Z_o	58	95	56	5	-	3	-	0	9+	-	0	*
28·5	+14	NNE	1	Z_o	56	75	48	6	5	7	-	2-3	9+	7200	0	*
28·0	+8	N'W	1	c	54	85	49	7	5	7	1	4-6	9	4000	0	*
27·4	+6	NW'N	1	c-bc	58	85	52	6	-	7	-	0	7-8	-	0	*
26·9	+2	NNW	2	Z_o	57	85	52	6	-	3	-	0	9+	-	0	*
27·0	+2	N'E	2	Z_o	57	85	53	6	5	3	-	2-3	7-8	4500	0	*
27·3	+2	N'W	1	Z_o	58	75	49	5	-	7	-	0	4-6	-	0	*
26·7	+2	NNW	3	Z_o	57	75	49	6	5	7	-	4-6	7-8	4000	0	1
26·8	+6	NNW	3	bc	52	85	48	7	5	3	-	2-3	4-6	2500	0	2
27·7	+6	NW	1	Z_o	55	75	48	6	-	3	2	0	4-6	-	0	*
28·0	+6	W	2	b	55	75	45	7	-	-	-	0	0	-	0	*
18·2	+4	-	0	m	56	75	48	4	-	3	-	0	2-3	-	1	*
28·4	+8	N	1	Z_o	54	75	47	5	5	3	1	2-3	9	4000	0	*
28·4	+4	W'S	1	bc	53	75	46	8	-	4	1	0	4-6	-	0	*
28·2	0	NNE	1	bc	54	92	51	7	5	4	-	4-6	4-6	800	1	2
28·7	0	N	0	Z_o	55	85	49	6	5	3	2	2-3	7-8	4000	0	*
27·6	+6	N	3	c	56	85		8	5	7	-	7-8	10	4000	1	4
28·4	0	NNE	1	bc	56	85	50	8	-	3	1	0	4-6	-	0	1
27·4	-6	WNW	2	c-bc	54	92	52	8	7	-	-	7-8	7-8	2500	0	3
28·3	-6	NE	2	bc	54	97	53	8	5	4	1	Tr	4-6	1800	1	2
28·6	-2	-	0	Z_o	53	97	52	5	2	3	-	2-3	4-6	3000	0	1
28·4	+6	-	0	b	54	85	51	8	-	4	-	0	Tr	-	1	1
28·0	+6	-	0	b	54	85	48	6	-	-	-	0	0	-	0	*
28·1	+6	S'E	2	Z_o	53	85	48	6	-	-	-	0	0	-	0	*
27·4	+4	WNW	3	Z_o	54	85	48	6	3	3	-	2-3	2-3	2500	0	3
27·3	+4	SW	2	b-bc	55	75	48	7	2	-	-	1	2-3	4000	0	*
26·6	+4	W	3	Z_o	52	75	44	6	-	4	-	0	2-3	-	0	3
24·3	+4	W	4	b-bc	52	85	46	8	4	-	-	2-3	2-3	3500	0	3
24·2	+8	SSW	3	b-bc	53	75	46	9	8	3	-	2-3	2-3	2500	0	*
25·4	+2	WSW	4	c	52	85	47	7	8	-	-	7-8	9	1400	0	*
26·2	+2	SW	3	c	48	85	44	8	5	-	-	9+	9+	2200	1	*
27·7	+6	W'N	3	b	53	92	50	8	5	-	-	Tr	Tr	2000	0	1
25·5	+6	WSW	4	b	52	92	50	8	8	-	-	1	1	2000	0	3
21·1	+6	W	6	c	51	75	43	8	5	-	-	10	10	2200	1	4
24·0	+2	SW	4	c	47	75	38	8	5	-	-	9	9	2500	0	*
22·1	0	W'S	3	b	55	55	38	9	7	-	-	1	1	4000	0	2
18·9	+8	WSW	6	cjp	52	65	42	9	8	-	-	9+	9+	3500	1	*
11·7	-8	WSW	8	r.r.	49	92	46	7	5	2	-	9+	10	1000	1	4
27·9	+2	SW'W	1	bc	54	85	50	8	8	-	-	4-6	4-6	2500	1	3
26·3	+4	W'S	3	c-bc	52	85	48	8	8	-	-	7-8	7-8	2500	1	3
28·1	+6	WSW	2	c	51	97	49	7	8	-	-	9	9	1000	1	*
28·6	+2	S	1	c	50	97	49	7	5	-	-	10	10	2500	0	*
28·3	+2	NE'E	2	b	51	97	50	8	5	-	1	Tr	1	800	1	1
28·3	+2	N	2	bc	52	97	51	8	5	-	1	2-3	4-6	2500	1	3

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 27th Hrs. (38)
71	54	42	-	-	8·7
73	51	45	-	-	9·7
72	51	43	-	Tr	10·0
69	48	48	-	-	7·2
69	52	47	-	-	*
70	49	44	-	-	8·6
71	54	49	-	-	9·8
74	52	47	-	-	8·8
73	52	50	-	-	6·6
66	51	46	-	-	7·3
73	50	46	-	-	10·1
69	46	37	Tr	-	
68	51	43	-	-	11·5
68	49	39	-	-	*
69	48	43	-	-	12·1
58	52	48	-	-	7·4
66	48	39	Tr	Tr	7·8
58	53	*	0·1	-	*
64	51	45	0·6	0·1	4·3
64	49	*	Tr	-	7·3
58	50	*	Tr	Tr	4·7
57	51		-	Tr	11·4
60	49	45	-	-	*
63	46	34	-	-	12·6
64	46	37	-	-	*
65	51	*	-	-	10·5
66	44	56	-	-	11·3
66	49	45	-	-	*
63	47	*	-	-	*
65	44	37	-	-	0·0
63	45	33	-	-	11·3
61	38	34	-	-	10·3
68	42	*	-	-	12·1
57	48	45	-	-	13·4
57	49	47	Tr	Tr	6·2
56	46	44	-	-	9·4
67	48	41	-	-	15·1
61	48	44	Tr	-	*
56	48	46	0·1	0·3	10·0
59	49	*	-	-	*
58	50		-	-	11·8
61	42	38	-	-	14·1
65	41	36	-	-	9·3
60	43	39	-	Tr	5·3
62	48	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 27th May ... 18h. G.M.T. III	C_L C_M	wwVhN$_h$	DDFWN	01h. G.M.T. 28th May ... 07h. G.M.T. C_L C_M	wwVhN$_h$	DDFWN
109	8-	02855	35685	83	02756	35627
115	52	81845	33686	52	02844	33627
203	8-	81848	20628	8-	02847	20627
206	8-	02966	14526	8-	01964	35584
210	1-	02965	22425	10	01964	23424
219	16	02755	19685	1-	02866	21616
230	2-	01864	33514	8-	02866	20426
245	10	01964	22514	20	01963	21414
260	20	01864	23414	20	01864	23414
278	86	02855	23326	20	01854	23424
279	26	01864	21514	20	02863	20415
285	23	01854	26415			
288	10	02864	21325	16	02863	23226
575	20	02854	28315	10	01862	26927
301	24	01852	24425	03	01890	22315
321	10	05683	26314	04	02790	26315
2.9	20	01744	24214	74	01753	24214
292	13	01954	22315	15	02863	24426
310						
614	1-	01764	26214	14	01861	28214

13h. G.M.T. 27th May ... 18h. G.M.T. III	C_L C_M	wwVhN$_h$	DDFWN	01h. G.M.T. 28th May ... 07h. G.M.T. C_L C_M	wwVhN$_h$	DDFWN
333	10	02864	28315	53	02862	20327
334						
340	27	02955	22126	76	01853	30215
136	20	01653	25354	03	01790	24314
336	10	01763	28313	13	01762	24313
350	10	01864	23314	10	01861	26214
368	10	01852	24313	00	01890	24315
379	10	01854	26314	10	01854	26214
390	20	01864	28214	20	01863	24216
382	**	01854	24214	26	02854	25116
438	--	44209	23449	04	45109	26463
430	2-	02855	18325	22	02853	21416
409	27	02854	29316	57	02834	30266

01h. G.M.T. 28th May ... 07h. G.M.T. C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
50	01754	00024	5-	02747	12147
			--	05690	00001
07	02890	00016	04	01890	00012
03	05690	24213	04	00790	29211
			53	01752	24213
04	05590	00012	53	05671	04125
03	05690	22114	03	01690	02112
			57	05652	02226
00	05690	00014	07	05690	30326
03	05690	01113	xx	05672	05126
50	05534	30244	53	02653	32116
50	01763	00013	5-	05666	02126
57	02754	30125	53	01843	03224

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
C_L C_M = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 28th May
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	cbcy	bbccy	cybn, cz.	Kew 24 hours ending 9h. Max [illegible]
Croydon ...	cbcy	bcy	bcz, cm.	0·1 2-7th 28th
Greenwich ...	bcy	bccy	cbc z cy	Min. Time rest of 40·1 period
Camden Square	bc	b	*	
Kensington ...	bc	bc	*	
Hampstead ...	bc	be	be	

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs	Humidity 15h %	Humidity 9h %
						Yesterday		To-day
Kew ...	71	54	42	-	-	8·7	*	*
Croydon ...	73	51	45	-	-	9·7	*	*
Greenwich ...	74	53	39	-	-	9·5	50	56
Westminster ...	73	55	50	-	-		50	58
Regents Park ...		55	45	-	-		47	71
Camden Square	74	55	50	-	-	*	*	56
Kensington ...	73	55	48	-	-		50	53
Hampstead ...	72	52	46	-	-		*	61

Page 1 **BRITISH SECTION**

SECRET

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Saturday 29th May 1943

No. 29773

OBSERVATIONS at 13h. G.M.T. 28th May

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	°F. Dew Point (8)	Visibility 0–9 (9)	Cloud Form Low (10)	Cloud Form Med. (11)	Cloud Form High (12)	Cloud Amount Low 0–10 (13)	Cloud Amount Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	26·9	-8	NW	1	bc	69	45	46	7	7	-	-	4-6	4-6	2500
	Croydon	26·6	-16	-	0	bc	70	45	49	6	1	-	-	4-6	4-6	3300
	S. Farnborough	26·5	-10	W	1	bc	72	45	49	8	1	-	-	4-6	4-6	4500
	Boscombe Down	26·7	-6	-	0	bc	70	45	50	7	1	-	1	4-6	4-6	4000
	Thorney Island	26·6	-4	S'W	3	z0	66	65	53	6	2	-	-	1	1	4000
	Lympne	26·9	-8	NE	1	b-bc	67	55	51	7	1	-	-	2-3	2-3	2500
	Manston	27·1	-4	N'E	1	b	65	55	46	7	-	-	-	0	0	-
2	Shoeburyness	27·1	-6	SSE	2	b-bc	65	65	53	7	1	-	-	2-3	2-3	4000
	Felixstowe	27·1	+2	ENE	3	b-bc	64	65	53	8	1	-	-	2-3	2-3	4000
	Gorleston	26·7	-4	NE'E	3	b-bc	58	75	50	7	2	-	-	2-3	2-3	2500
	Mildenhall	26·9	-8	-	0	b-bc	68	45	45	8	1	-	-	2-3	2-3	4000
	Cranwell	26·2	+14	NW'N	3	bc	69	45	47	7	1	-	-	4-6	4-6	4500
3	Birmingham	26·7	-4	NW	2	bc	66	45	44	8	7	-	-	4-6	4-6	4000
	Upper Heyford	27·0	-10	NW	2	b-bc	66	45	44	8	1	-	-	2-3	2-3	3500
4	Ross-on-Wye	26·9	-6	WNW	2	b-bc	67	55	49	8	1	-	1	2-3	2-3	4000
5	Hartland Point	27·5	-2	NE	2	bf-	53	97	52	7	1	-	1	Tr	1	3000
	Bristol	27·3	-6	ESE	1	bc	70	55	52	8	1	-	1	4-6	4-6	4000
	Portland Bill	27·8	0	S	2	bc	62	85	56	8	1	-	-	4-6	4-6	4000
	Plymouth	27·7	-4	WSW	3	b	60	75	52	8	1	-	1	Tr	1	2500
	The Lizard	27·2	0	SE	2	bc	62	75	55	8	7	4	-	2-3	4-6	4000
	Scilly (St. Mary's)	27·9	-4	NE'N	2	c-bc	63	75	56	8	1	4	5	Tr	7-8	1800
	Guernsey															
6	Pembroke	28·4	-14	NW'N	2	b-bcf-	54	97	54	2	-	4	1	0	2-3	-
7	Holyhead (Valley)	28·2	-4	WSW	2	b-bc	64	65	51	8	1	-	1	2-3	2-3	3000
	Chester (Sealand)	27·2	-6	NNW	3	b	63	65	47	8	1	-	-	1	1	2500
8	Manchester	27·1	-8	WNW	4	bc	63	55	45	7	4	-	-	4-6	4-6	4000
10	Spurn Head	27·1	-4	ESE	3	b-bc	56	75	50	6	7	3	-	2-3	2-3	2500
	Catterick (Sc)	26·0	+14	WSW	1	bc	65	45	45	8	1	-	-	4-6	4-6	3000
	Tynemouth	26·6	-2	W	5	bc	63	55	46	7	2	-	-	4-6	4-6	2400
11	St. Abbs Head	23·8	-4	WNW	4	bc	58	75	48	8	1	-	-	4-6	4-6	4500
	Leuchars	23·3	-8	W	4	b-bc	64	45	42	9	1	-	-	2-3	2-3	3000
12	Renfrew (Abbots I.)	25·9	0	W'S	4	c-bc	62	55	47	9	8	-	-	7-8	7-8	2000
	Eskdalemuir	25·3	-4	W	4	bc	59	55	43	8	7	-	-	4-6	4-6	3500
	Point of Ayre	28·0	+2	NW	3	b	60	75	50	8	1	-	-	1	1	2000
13A	Tiree	26·5	0	WSW	4	c	56	85	53	8	1	-	6	4-6	9	3000
13B	Stornoway	23·2	+8	W	5	c	54	75	47	8	8	-	-	10	10	1500
15	Dalwhinnie	24·0	+6	W	4	c-bc	56	55	37	8	8	-	9	4-6	7-8	4000
	Aberdeen	21·6	-4	NW	4	bc	65	36	38	9	1	-	-	4-6	4-6	5700
	Wick	20·9	+10	WNW	7	c/pr	54	65	43	9	8	-	-	9	9	3000
16	Sumburgh	14·4	+16	NWW	7	c/pr	49	85	46	7	8	-	-	9+	9+	1500
17	Blacksod Point	26·8	-10	S'W	2	bc	60	75	52	8	8	-	6	2-3	4-6	4000
18	Malin Head	26·6	-2	NNW	3	bc	55	75	47	8	2	-	1	2-3	4-6	2500
	Aldergrove	27·6	-10	-	0	bc	61	55	47	9	1	-	6	2-3	4-6	3000
19	Birr Castle	27·4	-14	W	1	c	63	51	51	8	1	-	3	4-6	9	2500
20	Valentia Obsy.	27·0	-6	S'W	4	c	61	65	49	9	-	3	-	0	9+	-
	Roches Point	27·8	-6	SE	3	c-bc	58	85	63	8	1	3	-	1	7-8	4000

OBSERVATIONS at 18h. G.M.T. 28th May

Stations	Barom. at M.S.L. mb. (16)	Change in 8 hours (17)	Wind Direc. (18)	Wind Force 0–12 (19)	Weather (20)	Temp. °F. (21)	% Humid. (22)	°F. Dew Point (23)	Visibility 0–9 (24)	Cloud Form Low (25)	Cloud Form Med. (26)	Cloud Form High (27)	Cloud Amount Low 0–10 (28)	Cloud Amount Total 0–10 (29)	Height of Base (feet) (30)	State of Ground 0–9 (31)	Sea 0–9 (32)
London (Kew)	25·4	-6	N'W	1	c	71	45	48	7	8	-	6	2-3	9	4000	1	*
Croydon	25·7	-6	W'S	2	c-bc	68	65	55	6	4	6	6	4-6	7-8	2500	0	*
S. Farnborough	25·5	-2	SW'W	2	c	71	25	38	8	4	4	5	7-8	9	3500	0	*
Boscombe Down	25·4	-6	-	0	bc	70	45	50	7	1	-	8	Tr	4-6	5000	0	*
Thorney Island	26·0	-2	SSW	2	c-bc	64	65	51	8	-	-	6	0	7-8	-	0	*
Lympne	26·6	-2	ESE	2	z0	60	65	49	6	4	-	1	Tr	Tr	5000	0	2
Manston	26·7	-2	E'S	3	b	61	65	49	8	-	3	-	0	Tr	-	0	*
Shoeburyness	26·5	0	E	3	b-bc	60	75	52	7	5	-	-	2-3	2-3	4000	0	*
Felixstowe	26·3	-4	ESE	2	b	60	75	52	8	-	-	1	0	Tr	-	0	1
Gorleston	25·9	0	S	3	b-bc	59	75	49	7	1	-	1	1	2-3	2000	0	3
Mildenhall	25·7	-6	WSW	1	b-bc	69	45	46	8	1	4	-	2-3	2-3	4000	0	*
Cranwell	25·1	-4	W'N	3	bc	68	45	47	7	-	-	2	0	4-6	-	0	*
Birmingham	25·3	-6	S	1	c-bc	67	45	45	8	7	-	2	4-6	7-8	4000	1	*
Upper Heyford	26·1	-4	N'W	1	c	69	55	50	7	1	-	6	Tr	9	4000	0	*
Ross-on-Wye	25·4	-8	W	2	c-bc	69	45	47	8	7	-	6	1	7-8	4000	0	*
Hartland Point	25·8	-8	N	1	c-bc	56	85	52	7	-	-	9	0	7-8	-	0	3
Bristol	26·1	-4	-	0	c-bc	69	55	51	8	1	-	6	1	7-8	4000	0	*
Portland Bill	26·6	-6	SW	2	c	59	85	55	8	2	4	-	4-6	9	4000	1	3
Plymouth	26·5	-10	W'S	2	z0	60	85	54	6	-	3	2	0	7-8	-	0	3
The Lizard	25·2	-10	-	0	b-bc	63	75	55	8	7	-	-	2-3	2-3	2000	0	2
Scilly (St. Mary's)	26·1	-12	NNE	2	bc	58	85	52	8	4	4	9	1	4-6	1800	0	2
Guernsey																	
Pembroke	26·4	-4	N'E	2	c-bc	62	65	51	8	2	7	2	2-3	7-8	4000	0	1
Holyhead (Valley)	27·3	-4	-	0	c	59	65	47	8	7	-	6	Tr	9+	3000	0	1
Chester (Sealand)	26·9	-2	NNW	3	c	58	75	49	8	5	7	-	2-3	9+	3500	0	*
Manchester	26·6	+2	WNW	4	c	60	55	44	8	-	4	2	0	9+	-	0	*
Spurn Head	25·9	0	SE	3	b	58	85	52	5	-	-	-	0	0	-	0	2
Catterick (Sc)	25·6	-2	NW	3	bc	63	55	46	9	1	-	8	1	4-6	3000	0	*
Tynemouth	25·5	-2	W	3	b-bc	64	56	45	7	1	3	2	1	2-3	4000	0	1
St. Abbs Head	23·1	0	WNW	4	bc	59	65	47	8	1	4	-	2-3	4-6	4500	0	4
Leuchars	23·2	+2	W	3	c	63	45	40	9	-	-	6	0	9	-	0	*
Renfrew (Abbots I.)	25·7	-2	W	3	c	57	65	44	9	7	-	7	1	10	2000	0	*
Eskdalemuir	24·9	0	WNW	2	c	59	65	45	8	7	-	6	4-6	9	3500	0	*
Point of Ayre	27·2	-8	NW'W	3	c	57	75	50	8	-	-	7	0	10	-	0	2
Tiree	26·3	-2	W	2	c	54	85	51	8	1	-	6	7-8	9	3000	0	2
Stornoway	24·7	+14	W	5	c	53	75	45	8	1	6	-	9	9+	1500	0	3
Dalwhinnie	24·0	+6	WSW	3	bc	53	55	37	8	8	-	9	4-6	4-6	4000	0	*
Aberdeen	22·8	+8	NW	3	b-bc	61	45	42	8	4	-	6	Tr	2-3	6000	0	2
Wick	22·7	+14	NW	7	c	50	75	42	8	8	-	-	9+	9+	2000	1	*
Sumburgh	17·4	+16	NW'W	6	pr	49	92	47	7	8		-	9+	9+	900	1	4
Blacksod Point	26·0	-6	S'W	2	c	58	65	46	8	8	3	-	4-6	9+	4000	1	2
Malin Head	26·0	-4	N'W	2	c-bc	53	85	49	8	2	-	6	2-3	7-8	2500	1	3
Aldergrove	26·4	-6	ENE	3	c	59	75	50	8	1	7	8	2-3	9+	2500	0	*
Birr Castle	25·1	-12	SSE	1	c-bc	68	55	51	8	8	-	8	4-6	7-8	2500	0	*
Valentia Obsy.	25·0	-12	S'W	3	c	59	65	47	9	-	3	-	0	9+	-	1	2
Roches Point	26·1	-12	SE	3	c-bc	57	92	55	3	5	3	-	4-6	7-8	1500	1	3

PAST 24 HOURS

Stations	Weather 7h.–13h. 28th (39)	Weather 13h.–18h. 28th (40)	Weather 18h. 28th – 1h. 29th (41)	Weather 1h.–7h. 29th (42)
London (Kew)	bcz0 bbc	bcb,cy	cybcw	bcbz0w
Croydon	cz0cz0y	bccz0ybcz0	cz0m0bm0	bm0bc
S. Farnborough	cbcz0bbcy	bccy	cycbcc	cbcbm0w
Boscombe Down	bybcy	bcy	bcycbcz0	bcz0cbw
Thorney Island	b	bbc	bcm0bm0	bcfgbcw
Lympne	cm0 bcb	bybcbz0	bc	bcm0wc
Manston	cm0 zbc	bbyb	bbccb	bbccbc
Shoeburyness	bcm0 bc	bc	bc	cbcm0w
Felixstowe	bcy bc	bcb	bbcb	bcm0
Gorleston	bbc	bc	bcb	bcbz0
Mildenhall	bcy	bcyby	bcycbcb	bbcm0
Cranwell	bz0 bcy	bcyby	bcbz0	cm0bcm0
Birmingham	bc	bc	bc	bcbm
Upper Heyford	cz0bby	bcy	cybz0m0	bcm0wbm0
Ross-on-Wye	bcbbcy	bcycy	ccybc	bcw
Hartland Point	bccbcff	bcc	bbc	bc
Bristol	cm0 bybcy	bcybybcy	bcm0bm0	bm0bm0w
Portland Bill	bcbc	cc	c	bc
Plymouth	bcb	bbcc	cbcm0	bcfgw
The Lizard	cbc	bc	bcw	bcw
Scilly (St. Mary's)	bcc	cbc	bcbw	bbccw
Guernsey				
Pembroke	ff bcf	c	cbc	bc
Holyhead (Valley)	bbc	bc	bcb	bbc
Chester (Sealand)	b	b,cy	bc.b	bcm0m
Manchester	bcz0 bcy	bbccy	cybm0	bm0bcm0w
Spurn Head	bc	b	bc	bc
Catterick (Sc)	bcbcy	bcy	bc	bccbc
Tynemouth	bcm0 bc	bc	bcb	bbc
St. Abbs Head	bc	bbc	cbcb	bc
Leuchars	bcbcy	bcy	cybc	bcbc
Renfrew (Abbots I.)	c	cy	cbcwbw	bwfgcm0w
Eskdalemuir	cbcy	bcycy	cyc	cbc
Point of Ayre	b	bbcc	cbc	bbcb
Tiree	bcc	c	bcifwbffw	bfwc
Stornoway	ccpr0c	ccpr0c	c	cbccw
Dalwhinnie	cy	cy	*	cbcc
Aberdeen	bbcy	bcy	bcy	bcc
Wick	cpr0c	cjpcpr0c	cpr0c	cpr0cid0
Sumburgh	cr0pr0	cir0pr0	cd0d0m0	cbcc
Blacksod Point	bc	c	pr	bc
Malin Head	bc	bc	bc	bc
Aldergrove	bcbcy	bcycyc	b	bbccfcw
Birr Castle	c	c	*	[illegible]
Valentia Obsy.	c	c	bc	bc
Roches Point	bc	c	bc	bc

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 29th May 1943

Districts	Forecast
1 S.E. England; 2 E. England; 3 E. Midlands; 4 W. Midlands	Light to moderate easterly winds; mainly fine; very warm by day, and warm tonight.
5 S.W. England; 6 South Wales	Moderate or fresh easterly winds; fair today, thundery rain tomorrow; rather warm, becoming cooler.
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	Variable light winds, becoming southeast moderate; mainly fair, but increasing cloudiness on east coasts tomorrow; rather warm.
15 N.E. Scotland; 16 Orkneys and Shetlands	Variable light winds; cloudy; a few light showers at first; rather warm.
17 N.W. Ireland; 18 N.E. Ireland; 19 S.E. Ireland; 20 S.W. Ireland	Moderate or fresh southeasterly winds, veering to southwest tomorrow; fair at first, thundery rain later; warm, becoming cooler.

GENERAL INFERENCE

A ridge of high pressure covering Scotland and England is moving east, and troughs of low pressure are approaching southwestern districts from the Atlantic. Thundery rain will spread across Ireland and southwestern districts of Britain, but weather will remain fair or fine elsewhere.

FURTHER OUTLOOK

Scattered showers in western districts and thundery rain in the East.

Forecasts issued at 10·30

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Saturday 29th May 1943.

HIGH

Low

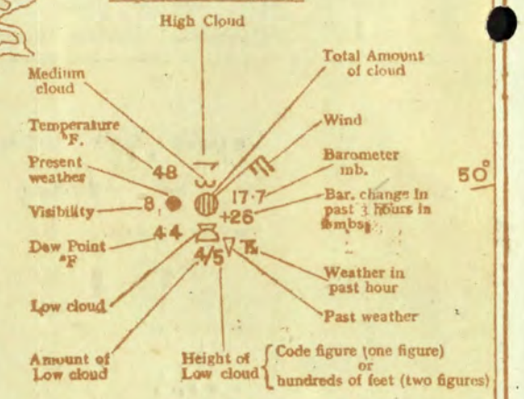
HIGH

Low

1024 1022 1020 1018

10° 5°W. 0° 5°E. 60° 55° 50°

STATION MODEL



5°E. Scale 1 : 5,000,000

Mb 1050 1040 1030 1020 1010 1000 990 980 970 960 950 940

H.M.S.O. Press, M.O., Dunstable

PLEIN/4421/We. 8931 D.N.545 Gp. 948/2. 7440. 5/43

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

Morning of Saturday 29th May 1943.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. (T) Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere ; a chart showing the hours at which the observations are taken is contained in the Introduction.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

All times are G.M.T. Add two hours to get double summer time.

BRITISH SECTION — THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Saturday 29th May 1943 — No. 29273

OBSERVATIONS at 1 hr. G.M.T. 29th May

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	56									
	Croydon ...	290	26·2	-2	SW'W	2	Zo	54	85	50	5	-	-	-	0	0	-
	S. Farnborough	226	25·7	-6	S'E	1	c	55	85	51	7	-	-	6	0	9	-
	Boscombe Down	417	25·4	-6	-	0	bc	56	75	49	7	-	-	8	0	4-6	-
	Thorney Island	10	25·6	-6	NE	1	Zo	51	92	49	6	-	-	-	0	0	-
	Lympne ...	283	26·2	-8	-	0	Zo	51	85	47	6	-	-	-	0	0	-
	Manston ...	154	26·1	-6	SSE	2	b	54	85	50	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	25·8	-10	SW'S	1	b	57	85	53	7	-	-	5	0	1	-
	Gorleston ...	5	25·7	-4	-	0	b	52	85	48	7	-	-	-	0	0	-
	Mildenhall ...	15	25·6	-6	-	0	b	52	85	48	7	-	-	-	0	0	-
	Cranwell ...	203	25·6	0	NW	1	Zo	52	75	44	6	-	4	-	0	Tr	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	26·0	+2	N	1	Zo	51	92	48	6	-	-	2	0	2-3	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	24·0	-10	ENE	2	bc	55	68	43	8	-	4	-	0	4-6	-
	Bristol ...	209	25·5	-6	-	0	Zo	53	85	49	6	-	-	8	0	1	-
	Portland Bill ...	32	24·7	-14	W	2	c-bc	55	85	51	7	5	-	-	7-8	7-8	4000
	Plymouth ...	82	25·0	-2	SE	1	Zo	52	97	51	6	5	4	-	Tr	1	2000
	The Lizard ...	240	23·8	-8	ENE	2	bc	53	92	53	8	4	-	-	4-6	4-6	3000
	Scilly (St.Mary's)	163	24·2	-10	NE'E	2	b	52	97	51	8	5	-	-	1	1	1800
	Guernsey ...	175															
6	Pembroke ...	142	24·5	-14	ENE	3	b-bc	55	75	49	8	4	4	-	2-3	2-3	3000
7	Holyhead (Valley)	32	26·0	-6	ENE	1	b-bc	47	85	44	8	-	-	5	0	2-3	-
	Chester (Sealand)	16	26·4	-4	-	0	b	44	85	42	7	-	-	1	0	Tr	-
8	Manchester ...	235	26·5	-4	-	0	Zo	45	97	43	6	-	-	-	0	0	-
10	Spurn Head ...	29	25·5	+2	WNW	3	bc	54	85	48	6	7	3	-	2-3	4-6	2500
	Catterick (Sc)...	192	26·3	-2	W	1	bc	46	85	43	7	-	-	8	0	4-6	-
	Tynemouth ...	108	25·8	-2	W	3	b	53	88	47	7	-	-	-	0	0	-
11	St. Abbs Head	280	24·6	+8	WNW	3	b-bc	52	75	46	7	5	-	-	2-3	2-3	4000
	Leuchars ...	36	24·6	+2	-	0	bc	46	85	41	8	-	-	8	0	4-6	-
12	Renfrew (Abbots I.)	19	25·9	0	-	0	b-bc	45	97	44	7	5	4	-	2-3	2-3	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	26·4	-10	-	0	b	43	85	49	8	5	-	-	Tr	Tr	2000
13A	Tiree	44	26·2	-2	-	0	bF+	46	97	46	1	-	-	-	0	0	-
13B	Stornoway ...	15	25·6	+2	-	0	c-bc	46	92	43	8	5	-	-	7-8	7-8	3900
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	24·8	+6	-	0	c-bc	46	85	41	8	5	7	1	4-6	7-8	3200
	Wick ...	114	23·8	+6	W'N	3	c/pr	46	85	43	8	5	-	-	9	9	2000
16	Sumburgh ..	19	21·6	+14	NW'N	3	dod.	47	97	46	6	5	-	-	10	10	600
17	Blacksod Point	18	23·3	-14	-	0	c	56	75	48	8	8	-	-	9+	9+	4000
18	Malin Head ...	84	25·1	-10	-	0	bc	50	92	48	8	5	-	-	4-6	4-6	2500
	Aldergrove ...	268	26·4	-2	-	0	b	46	97	45	7	-	4	-	0	Tr	-
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	23·3	-14	SE	3	bc	50	75	42	9	5	-	-	4-6	4-6	4000
	Roches Point	22	24·7	-6	SSE	2	b-bc	53	97	52	8	5	-	-	2-3	2-3	1500

OBSERVATIONS at 7 hr. G.M.T. 29th May

Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
24·2	-2	-	0	Zo	59	75	51	6	-	-	-	0	0	-	1	*
25·1	+2	-	0	b	60	75	50	6	-	-	-	0	0	-	0	*
24·4	0	-	0	b	57	85	51	6	-	-	-	0	0	-	0	*
24·0	-6	E'N	1	Zo	59	75	51	6	1	8	1	Tr	2-3	3000	0	*
23·6	-4	E	2	b-bc	61	75	54	7	-	4	1	0	2-3	-	0	*
24·7	-6	-	0	b-bc	61	65	50	7	-	-	9	0	2-3	-	0	*
25·1	+2	-	0	bc	60	65	50	7	-	3	2	0	4-6	-	0	*
24·4	0	-	0	Zo	57	75	51	6	-	7	-	0	4-6	-	0	*
24·7	-2	-	0	Zo	59	75	51	6	-	3	-	0	7-8	-	0	1
23·9	-6	NNW	2	Zo	53	85	49	6	-	-	1	0	1	-	0	2
24·5	-2	N'W	1	Zo	54	85	49	6	-	-	2	0	4-6	-	0	*
25·0	0	NNW	2	Zo	53	75	45	6	-	3	-	0	4-6	-	0	*
24·7	-6	ENE	2	m	55	55	40	4	-	4	-	0	1	-	1	*
24·4	-4	ENE	1	Zo	57	65	46	6	-	4	1	0	Tr	-	0	*
24·5	-8	NW'N	1	Zo	54	75	47	6	-	4	9	0	1	-	0	*
22·4	-14	E	2	bc	57	85	51	8	-	4	8	0	4-6	-	0	2
24·3	-8	-	0	Zo	55	85	50	6	5	8	1	2-3	2-3	5700	0	*
22·8	-6	E	2	bc	57	85	53	8	2	-	-	4-6	4-6	4000	1	3
22·6	-10	ESE	3	bc	58	75	53	8	-	-	2	0	4-6	-	0	1
21·1	-4	ENE	3	bc	57	92	54	8	7	9	-	4-6	4-6	3500	0	
20·3	-20	E'N	4	c-bc	55	97	54	7	5	4	3	Tr	7-8	1800	1	2
22·6	-2	SE'E	4	bc	58	85	54	7	5	7	-	4-6	4-6	3000	0	1
24·0	-6	ENE	2	bc	57	65	45	8	-	-	6	0	4-6	-	0	1
24·8	-4	-	0	c-bc	50	85	45	5	1	-	6	Tr	7-8	2500	0	*
25·0	-6	-	0	m	49	85	45	4	-	-	1	0	2-3	-	0	*
25·5	+4	N	3	b-bc	54	75	47	7	7	-	-	2-3	2-3	2500	0	2
25·8	+2	-	0	bc	52	75	45	8	-	4	5	0	4-6	-	0	*
26·4	+2	N	3	b-bc	53	75	44	7	-	4	-	0	2-3	-	0	2
24·9	+6	NW	1	bc	51	92	49	7	1	7	-	2-3	4-6	4500	0	2
25·0	+6	-	0	c-bc	50	75	43	9	1	7	5	Tr	7-8	3500	0	*
24·5	-6	-	0	Zo	48	92	46	6	-	3	6	0	9	-	0	*
25·3	-6	-	0	bc	44	85	39	8	-	-	2	0	4-6	-	0	*
24·7	-2	SE	1	c-bc	49	97	49	9	5	-	-	7-8	7-8	2500	1	1
24·9	-2	-	0	c-bc	50	85	44	9	1	3	6	2-3	7-8	2800	1	0
25·7	-2	NE	1	c-bc	47	75	39	8	8	-	2	1	7-8	2500	1	*
25·7	+8	NW	2	c	50	75	42	8	5	-	-	10	10	4000	0	1
25·0	+12	W'S	3	id.	48	85	45	9	5	-	-	9	9	2000	0	*
23·1	+8	NW'N	3	c	50	85	47	9	5	-	1	9	9+	2500	1	2
20·7	-10	ESE	3	c-bc	57	75	49	8	8	5	6	4-6	7-8	4000	1	5
23·0	-6	ENE	1	bc	53	85	48	8	5	7	-	2-3	4-6	2500	1	2
25·1	-2	S'E	1	c	54	65	45	8	-	7	8	0	9	-	0	*
21·4	-14	SSE	3	c-bc	58	65	46	8	-	4	5	2-3	7-8	2500	0	*
18·8	-14	E'S	3	c	55	65	43	9	5	7	-	Tr	9+	4000	1	2
20·5	-12	ESE	3	bc	53	97	52	8	5	-	5	1	4-6	2500	1	3

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 28th Hrs. (38)
72	52	40	-	-	10·2
73	51	48	-	-	6·9
74	52	42	-	-	1·7
73	50	45	-	Tr	10·9
67	47	43	-	-	*
68	47	53	-	-	9·6
68	52	42	-	-	9·6
66	49	44	-	-	9·6
69	52	43	-	-	10·6
60	50	46	-	-	12·1
72	44	39	-	Tr	11·1
72	47	45	-	-	12·2
70	50	38	-	-	5·9
70	49	39	-	-	*
70	50	43	-	-	12·3
57	53	49	-	-	10·1
72	50	40	-	Tr	11·6
68	52	*	-	-	*
62	50	48	-	-	1·4
63	52	*	-	-	12·6
64	50	*	-	-	12·9
62	51	*	-	-	7·0
64	45	42	-	-	*
65	41	30	-	-	11·0
65	38	29	-	-	*
62	50	*	-	-	13·0
65	41	39	-	-	11·8
65	47	45	-	-	*
60	48	*	-	-	*
66	42	31	-	-	6·2
63	38	35	-	-	8·9
61	33	27	-	-	10·1
63	41	*	-	-	10·2
57	44	36	-	Tr	10·4
56	41	33	Tr	-	1·7
58	32	25	-	-	11·0
65	47	38	-	-	13·8
55	45	41	Tr	Tr	*
51	46	44	0·1	0·5	0·10
61	50	*	-	Tr	*
56	47	*	-	-	8·8
64	42	42	-	0·2	8·4
69	49	44	-	-	8·8
64	49	44	-	Tr	5·3
58	49	*	-	Tr	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 28th May ... 18h. G.M.T. — 01h. G.M.T. 29th May ... 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	25755	58786	8-	25745	59685	5-	21744	26484	5-	21847	31357
115						52	02844	28426	52	10954	28226
203									70	01946	20126
206 53	01964	57614	83	02964	26525	5-	02965	24225	5-	02865	00026
210 8-	02565	28616	80	01964	28414	53	02855	26327	5-	02954	26228
219 20	01853	23414	10	02853	24425	54	01853	12115	5-	02837	11227
230 20	02355	22325	1-	02964	26226	4-	01842	00033	5-	08544	00044
245 10	01962	22402	14	02961	25315	00	01990	04113	54	01954	06114
260 20	01853	22413	10	01852	20326	04	01790	00012	00	05690	23115
278 10	01854	32314	53	02856	23227	50	01863	24223	07	01890	16214
279 10	01853	20413	44	02862	24317	04	01890	18123	--	41490	06143
285 10	01853	26513							13	01861	28214
288 10	01862	23312	17	01852	25214	00	00890	18110	00	05690	00013
575 10	01864	24115	10	02864	00026	03	01890	09211	54	01761	00014
301 20	01851	27311	00	02896	28316	00	05690	08100	03	05590	12143
321 20	05664	28314	00	02796	26315	00	05690	24110	04	05690	30213
2.9 20	01754	04214	14	01752	06203	54	05652	16314	04	01790	26202
292 10	01863	22313	10	01971	24314	04	01890	16112	03	02790	28114
310									--	01643	08103
614 10	01763	26113	10	01771	28126	5-	05676	00016	03	05590	04215

13h. G.M.T. 28th May ... 18h. G.M.T. — 01h. G.M.T. 29th May ... 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 24	01953	30214	10	02961	30227	00	01890	00022	00	02990	14115
334 --	01772	26203							--	04581	00002
340 10	02965	30215	10	02861	32461	00	00690	38110	04	05590	00002
136 10	01863	22213	10	01761	22212	03	05690	28126	04	05690	30215
336 10	01763	24313	13	01763	24314				50	01762	24313
350 10	01764	04114	10	01761	00004	00	05690	28113	00	05690	06111
368 10	05651	20102	00	05630	24105	03	05690	00013	00	05690	08413
379 10	01863	02113	40	02861	32016				00	01690	04212
390 10	01763	30223	00	01890	00014	00	05690	00001	00	05590	16110
382 10	01852	29114	40	02861	26116	00	01790	30113	50	05662	00012
438 00	05630	08200	04	06590	12113	00	05690	08210	00	05690	08213
430 20	05653	20213	00	01790	15100	00	05690	02100	03	05690	08213
409 14	01841	31213	43	02851	02225	07	01890	08103	04	01890	11415

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
C$_L$C$_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

TERMS OF SUBSCRIPTION. Single Copies, 1d. each: by post 1½d. 2/6 per month; 6/6 per quarter; 25/- per year.

LONDON OBSERVATIONS

For the 24 hours ending morning of 29th May.
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 ...	bczobbe	bcb, cy	cybcuzw
Croydon ...	czoczy	bcczykcz	czow,bc
Greenwich ...	by	bbcy	bcby
Camden Square	b	bc	*
Kensington ...	bccbc	bc	*
Hampstead ...	bc	bc	bc

Atmospheric Pollution. Milligrams of solid impurity per cubic metre.
Kew 24 hours ended 7h. Max. Time 0·1 7-10h 28th. Min. Time 4·9 rest of period

Stations.	Temperature Day Max °F	Temperature Night Min °F	Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs Yesterday	Humidity 15h %	Humidity 9h % To-day
Kew ...	72	52	40	-	-	10·2	*	*
Croydon ...	73	51	48	-	-	6·9	*	*
Greenwich ...	71	49	36	-	-	6·1	48	53
Westminster ...	74	53	49	-	-		44	55
Regents Park ...		52	42	-	-		39	50
Camden Square	75	54	48	-	-	*	*	55
Kensington ...	74	51	43	-	-		49	56
Hampstead ...	71	54	41	-	-		*	57

SECRET

Page 1

BRITISH SECTION — THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Sunday 30th May 1943 — No. 29774

OBSERVATIONS at 13h. G.M.T. 29th May

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base (feet) (15)
1	London (Kew)	21·7	-16	–	0	c-bc	74	45	52	7	1	·	6	2-3	7-8	4000
	Croydon ...	22·3	-18	S	1	c	75	45	55	7	1	8	2	2-3	3	3000
	S. Farnborough	21·5	-18	SE	2	c-bc	75	55	56	8	1	4	4	1	7-8	4000
	Boscombe Down	21·6	-12	SE	2	bc	78	55	56	7	1	3	2	1	4-6	7200
	Thorney Island	21·9	-10	ESE	3	2_0	72	65	58	6	–	4	2	0	4-6	·
	Lympne ...	22·9	-12	ESE	2	c-bc	69	75	61	7	·	·	2	0	7-8	·
	Manston ...	23·7	-6	ESE	2	c-bc	68	46	45	8	·	·	2	0	7-8	·
2	Shoeburyness ...	22·9	-8	SE	3	b	67	65	56	7	·	·	7	0	Tr	·
	Felixstowe ...	23·0	-12	ENE	3	c	65	65	54	8	5	7	·	4-6	9+	4000
	Gorleston ...	23·7	0	NE	3	c-bc	57	85	51	7	·	4	8	0	7-8	·
	Mildenhall ...	22·6	-14	–	0	bc	72	45	60	8	1	·	1	2-3	4-6	3500
	Cranwell ...	23·0	-12	NNE	2	c	67	55	51	7	1	·	·	9	9	4500
3	Birmingham ...	21·4	-14	ESE	3	b-bc	70	35	41	8	·	4	·	0	2-3	·
	Upper Heyford	21·8	-16	E	2	c-bc	73	55	54	7	1	7	·	4-6	7-8	3500
4	Ross-on-Wye	20·9	-20	E	3	b-bc	71	55	54	7	1	·	1	1	2-3	4000
5	Hartland Point	17·8	-22	E	3	bc	71	66	59	8	·	4	6	0	4-6	·
	Bristol ...	21·0	-18	SE	3	b-bc	78	45	47	8	·	4	2	0	2-3	·
	Portland Bill ...	20·7	-16	E	4	c	60	85	56	7	2	4	·	7-8	9	4000
	Plymouth ...	19·7	-16	E	4	b-bc	70	75	62	8	·	·	2	0	2-3	·
	The Lizard ...	17·1	-20	ENE	4	bc	61	85	58	8	7	·	·	4-6	4-6	3500
	Scilly (St. Mary's)	16·6	-22	ESE	5	b-bc	62	85	57	6	·	·	5	0	2-3	·
	Guernsey ...															
6	Pembroke ...	18·3	-20	SE	5	2_0	62	75	55	7	2	6	1	2-3	9+	3000
7	Holyhead (Valley)	20·4	-22	E'N	2	b-bc	69	45	49	8	·	·	9	0	2-3	·
	Chester (Sealand)	21·4	-20	SE'S	1	c-bc	70	55	51	7	·	·	8	0	7-8	·
8	Manchester ...	21·8	-12	SSE	3	2_0	71	46	47	6	1	·	·	1	1	4000
10	Spurn Head ...	24·8	-4	ENE	4	b-bc	58	75	48	7	1	4	·	1	2-3	2500
	Catterick (Sc) ...	24·3	-12	E	2	2_0	65	55	46	6	1	3	5	4-6	7-8	2500
	Tynemouth ...	26·3	0	E	2	b-bc	57	75	47	8	1	3	1	2-3	2-3	4000
11	St. Abbs Head	24·4	-4	ESE	3	bc	57	85	51	8	1	4	·	2-3	4-6	4500
	Leuchars ...	24·9	-1	ENE	3	b-bc	55	65	42	9	1	3	2	1	2-3	3000
12	Renfrew (Abbots I.)	22·3	-18	NE	2	2_0	65	55	46	6	·	·	·	0	0	·
	Eskdalemuir ...	22·4	-10	NEE	1	bc	62	55	44	8	1	7	·	2-3	4-6	3500
	Point of Ayre ...	22·4	-18	ESE	2	b	60	75	50	8	·	·	8	0	Tr	·
13A	Tiree	22·1	-16	ESE	2	c-bc	58	75	48	9	·	3	2	0	7-8	·
13B	Stornoway ...	23·8	-10	ESE	3	c-bc	52	75	43	9	1	·	6	Tr	7-8	2800
15	Dalwhinnie ...	23·5	-8	S	3	b-bc	63	45	40	8	1	·	5	Tr	2-3	4000
	Aberdeen ...	25·4	-6	ESE	3	c	53	75	44	8	7	·	·	9	9	4000
	Wick ...	25·5	0	NE	2	c	51	85	47	9	8	·	·	9+	9+	2000
16	Sumburgh ...	25·2	+10	W	2	c-bc	52	85	48	8	8	6	·	7-8	7-8	2000
17	Blacksod Point	15·2	-34	SE	4	c	64	65	52	8	·	7	·	0	10	·
18	Malin Head ...	19·6	-24	ESE	5	b	56	75	48	8	·	·	·	0	0	·
	Aldergrove ...	20·0	-32	ESE	3	b	63	55	47	8	·	7	1	0	1	·
19	Birr Castle ...	16·8	-24	SSE	3	c	68	65	56	8	5	2	·	7-8	10	2500
20	Valentia Obsy.	13·4	-30	SE	4	c	65	45	44	9	5	7	·	2-3	10	4000
	Roches Point	16·2	-24	SE'E	4	c-bc	59	85	54	8	5	·	6	2-3	7-8	2500

OBSERVATIONS at 18h. G.M.T. 29th May

District	Stations	Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	19·2	-10	SE'S	3	bc	73	45	49	7	5	8	9	2-3	4-6	5700	0	*
	Croydon ...	20·2	-10	S'E	2	b-bc	72	55	53	8	–	4	2	0	2-3	·	0	*
	S. Farnborough	19·0	-14	SE	3	b	71	55	55	7	–	8	·	0	Tr	·	0	*
	Boscombe Down	19·1	-10	SE	3	b-bc	70	55	55	7	–	–	8	0	2-3	·	0	*
	Thorney Island	19·4	-14	ESE	3	b	69	65	55	7	–	8	2	0	Tr	·	0	*
	Lympne ...	20·5	-16	E	2	bc	67	45	49	7	–	–	8	0	4-6	·	0	§ 3
	Manston ...	21·4	-16	E	3	c	61	55	43	8	–	8	8	0	10	·	0	*
2	Shoeburyness ...	21·4	-4	ENE	3	c-bc	61	65	49	8	–	–	6	0	7-8	·	0	*
	Felixstowe ...	22·9	+2	NE	4	c	57	85	52	8	–	–	7	0	9+	·	0	3
	Gorleston ...	23·0	-2	NE'E	4	c-bc	56	85	51	7	5	4	–	2-3	7-8	2000	0	3
	Mildenhall ...	21·1	-4	E	4	c	65	55	50	8	–	7	2	0	9+	·	0	*
	Cranwell ...	21·9	-6	E'N	4	bc	59	75	50	8	–	4	1	0	4-6	·	0	*
3	Birmingham ...	18·7	-14	ESE	3	c	68	55	52	8	–	–	8	0	9	·	1	*
	Upper Heyford	19·0	-12	E'S	2	c-bc	72	55	55	7	–	3	2	0	7-8	·	0	*
4	Ross-on-Wye	17·5	-16	E'S	3	b-bc	72	55	55	8	7	–	2	1	2-3	4000	0	*
5	Hartland Point	14·4	-18	ESE	3	bc	69	75	60	8	1	4	4	1	4-6	3000	0	2
	Bristol ...	17·8	-16	ESE	3	bc	71	65	58	8	1	8	2	Tr	4-6	4000	0	*
	Portland Bill ...	17·7	-10	E	4	c	59	85	55	8	2	4	1	4-6	9	4000	1	4
	Plymouth ...	16·6	-14	ESE	4	c	68	75	58	8	4	4	2	1	9+	4000	0	2
	The Lizard ...	14·9	-6	NE	4	bc	61	85	58	8	7	3	–	2-3	4-6	3500	0	4
	Scilly (St. Mary's)	15·0	-6	SE'S	3	c	58	92	56	7	5	–	–	10	10	1000	0	4
	Guernsey ...																	
6	Pembroke ...	15·1	-10	SE	5	2_0	63	85	58	7	2	7	1	2-3	7-8	3000	0	3
7	Holyhead (Valley)	16·2	-22	ESE	3	c	72	55	56	7	–	7	6	0	9	·	0	2
	Chester (Sealand)	18·3	-30	S	1	c	70	55	54	6	–	7	–	0	9+	·	0	*
8	Manchester ...	19·1	-14	E'S	4	c	66	55	51	7	–	7	–	0	9+	·	0	*
10	Spurn Head ...	23·3	-10	S	4	c-bc	53	85	47	8	1	4	1	1	7-8	2500	0	3
	Catterick (Sc) ...	23·2	-2	ESE	3	c-bc	59	65	46	8	5	–	1	2-3	7-8	3000	0	*
	Tynemouth ...	24·7	-6	E	3	c-bc	53	85	48	8	2	–	–	7-8	7-8	2200	0	2
11	St. Abbs Head	22·8	-8	ESE	4	c-bc	51	92	50	8	4	4	–	2-3	7-8	4000	0	3
	Leuchars ...	23·0	-10	ENE	3	c	53	75	45	9	1	–	7	Tr	9	3000	0	*
12	Renfrew (Abbots I.)	19·6	-14	E	4	c	61	65	50	7	1	7	8	Tr	9+	3000	0	*
	Eskdalemuir ...	20·2	-10	E'S	3	c	59	65	46	7	5	7	2	7-8	10	2900	0	*
	Point of Ayre ...	17·7	-18	E'N	2	c	58	75	50	8	–	4	7	0	10	·	0	2
13A	Tiree	18·1	-22	ESE	2	c	61	65	47	9	–	4	2	0	9	·	0	2
13B	Stornoway ...	20·1	-26	NE	5	bc	52	85	47	8	–	3	9	0	4-6	·	0	3
15	Dalwhinnie ...	21·0	-8	SW	3	c	57	55	38	8	1	–	6	Tr	9+	4000	0	*
	Aberdeen ...	24·0	-10	ESE	2	c-bc	50	75	43	8	7	3	4	2-3	7-8	2500	0	2
	Wick ...	23·0	-10	ESE	2	c	49	75	42	9	8	–	–	9	9	2000	0	*
16	Sumburgh ...	24·4	-6	E	1	b	51	85	48	8	1	3	–	Tr	1	1500	0	2
17	Blacksod Point	09·8	-34	SE	5	c	63	65	51	7	8	–	–	10	10	4000	1	4
18	Malin Head ...	15·7	-24	E'N	4	c	57	55	43	8	–	7	–	0	10	·	0	4
	Aldergrove ...	16·8	-26	E'N	3	c	59	65	45	8	7	5	·	4-6	10	3000	0	*
19	Birr Castle ...	12·2	-30	SSE	2	c	64	65	52	8	5	2	–	7-8	9+	2500	0	*
20	Valentia Obsy.	09·6	-18	SSE	4	ir.	59	85	54	8	5	–	–	9+	9+	1500	1	4
	Roches Point	11·8	-28	ESE	4	fr	57	99	56	3	–	–	·	10	10	4150	1	4

PAST 24 HOURS.

Weather. 7h.–13h. 29th (39)	13h.–18h. 29th (40)	18h. 29th–1h. 30th (41)	1h.–7h. 30th (42)
bz_0 bbcy	bcy	bcycw	bcepic
bcz_0cy	cybcy	bc	bbc
bm_0 bbccy	bcby	bbc	ctlr m_0 em_0
bm_0 wby	bcycybcy	beybcbc	bcp_0 lm_0 c
bcm_0	bcm_0 cm_0 b	bcb	bcm_0 pcm_0
bcbyc	bcc	bbc	$bccz_0$
bcby	cbccyw	cbcb	$bbccm_0$
bcm_0 wcbc	bcybc	bcb	$bccm_0$
bcc	bcc	cbcb	$bccm_0$
bcc	cbcc	bcl	bcle
bcy	bcycb	cycbcb	cir_0c
bcz_0cy	cybc	cbcb	bbcctlrhm
by	bc	cr	o TLRf
bz_0 bcy	cy	bcy bcz_0	cm_0 ir_0 pr_0
bz_0 by	bcycbc	bcctlR	ctlRd
bc	bc	bcc	cid_0c
bcm_0 bcby	bybcyby	bccl	ctlr ir_0 $ccid_0$
cc	bcc	c	c
bcc	bcc	cm_{80}	cm_0 bcc
bc	bc	cdffc	c
cbc	bcb	c	cbcc
bcz_0c	bczoc	c	cbc
bcby	bccy	ctlrz_0	crr_0 d_0 d_0
c $_0$ bcmcy	cybczcy	bcc	tlRm$_0$c
$bcmz_0$y	bz_0 bbcy	cycb	tlrprrr
bcc	bc	cbc	orr
bcz_0y	cz_0ybc	bbc	$bcir_0$ m_0
bcc	bcc	c	cir
bcmbc	bc	bcc	cir_0
cjpccjf		cvc	crrr
cm_0 w m_0 bcy	bz_0 y cycccm$_0$		cm_0 rrcmdd_0
bcy	bcycy	cyc	crr_0
bbccb	bbcc	cr_0	rrir
bbcc	c	c	cRRcir$_0$m
cwbcc	bccbc	bcc	cbccrr
cbcy	bcy	*	coir
c	cbcc	c	c
cv	c	c	c
cjpcbcc	cbcb	bc	c
c	c	pr	c
bc	bc	tlr	tlr
cwcbcby	byc	cctlpr	ctlprnbcb
c	c	*	pr
c	r	pr	pr
c	f	r	b

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 30th May, 1943.

Districts	
1 S.E. England 2 E. England ...	Moderate southerly winds, veering west and moderating; occasional rain and scattered showers with local thunderstorms becoming fine tonight; a few mist or fog patches around dawn; warm by day, cool at night.
3 E. Midlands ... 4 W. Midlands 5 S.W. England 6 South Wales 7 North Wales 8 N.W. England 9 N. Midlands ...	Moderate westerly winds, backing and decreasing; showers and local thunderstorms today, but fair near west coasts; fine tomorrow; a few mist or fog patches around dawn; warm by day, cool at night.
10 N.E. England 11 S.E. Scotland	As 1-2.
12 S.W. Scotland & Isle of Man 13A W. Scotland ...	Light or moderate southwesterly winds; scattered showers after local rain early in period; rather warm.
13B N.W. Scotland 14 Mid Scotland 15 N.E. Scotland	Fresh or strong southeasterly winds, veering west and moderating; rather widespread rain and local thunderstorms moving slowly northeast across area, followed by
16 Orkneys and Shetlands	fair conditions, but a few showers in west; rather cool.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	Moderate southwesterly winds backing and moderating scattered showers and local thunderstorms today, becoming fine; warm today, cool tonight.

GENERAL INFERENCE

A depression centred West of Scotland is moving north and an associated trough of low pressure is moving east across the British Isles. There will be fairly general rain and scattered thunderstorms at first in Scotland, with showers in the West later. There will be showers and scattered thunderstorms in Ireland, Wales and England today, with more general thundery rain early in eastern districts of England. Weather will be mainly fair tomorrow morning.

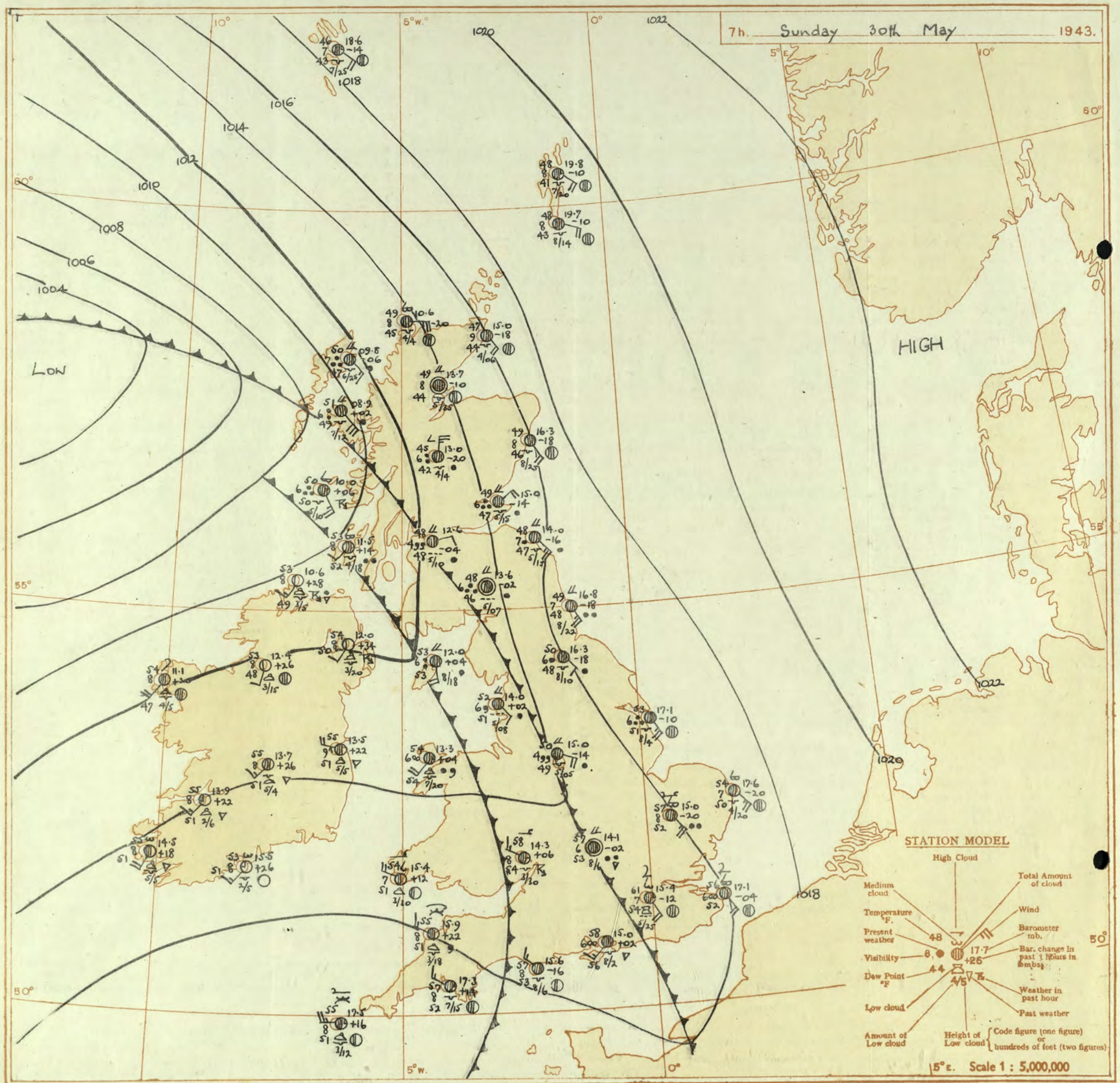
FURTHER OUTLOOK

Rain in western districts; fine in the East.

Forecasts issued at 10.30

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Sunday 30th May 1943.



H.M.S.O. Press, M.O., Dunstable

Pc.5/5/1411. Wt. 8031 D.1545. Gp. 378/2. 7440. 3/43

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

Morning of

Sunday 30th May

1943.

Clarke's Projection Scale 1 : 4 x 10^7 along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—◎

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ○ Clear sky. ◐ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◑ Sky 7/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✱ Snow. ✱ Sleet. △ Hail. ≡ Fog. = Mist. ⌒ Thunder. (T.) Thunderstorm. ∑ Slight haze. ∞

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—

- Warm Front on the Surface
- Warm Front above the ground
- Cold Front on the surface
- Cold Front above the ground
- Occluded Front (or Occlusion)
- Warm Occlusion
- Cold Occlusion
- Lines of Frontogenesis

Short strokes across the frontal line indicate Frontolysis. (For explanation *see* page 3.)

NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

All times are G.M.T. Add two hours to get double summer time.

BRITISH SECTION — THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Sunday 30th May 1943 — No. 29774

OBSERVATIONS at 1 hr. G.M.T. 30th May

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Form. Med. (11)	Form. High (12)	Amount. Low 0–10 (13)	Amount. Total 0–10 (14)	Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	57									
	Croydon ...	290	19·2	-12	SSE	1	bc	57	78	48	7	5	4	3	1	4-6	4000
	S. Farnborough	226	17·2	-14	ESE	3	bc	57	65	47	7	-	7	-	0	4-6	—
	Boscombe Down	417	15·6	-22	E'S	4	b-bc	59	76	51	7	-	3	-	0	2-3	—
	Thorney Island	10	16·8	-14	E	4	b-bc	61	75	53	7	-	7	-	0	2-3	—
	Lympne ...	283	19·3	-16	E	4	bc	55	85	51	7	-	-	2	0	4-6	—
	Manston ...	154	18·9	-10	E'S	3	b	54	92	53	7	-	-	-	0	0	—
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	20·7	-10	E'N	4	b	64	92	52	7	-	3	-	0	1	—
	Gorleston ...	5	21·7	-6	E'S	4	bc	52	92	50	7	5	-	-	4-6	4-6	2500
	Mildenhall ...	15	19·4	-18	E'S	4	bc	51	92	48	7	-	4	1	0	4-6	—
	Cranwell ...	203	19·6	-10	ESE	4	b	49	97	48	7	-	3	-	0	1	—
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	17·0	-20	E	3	c-bc	53	85	48	6	-	7	6	0	7-8	—
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	14·0	+14	WSW	4	c	56	97	55	6	5	2	-	7-8	10	800
	Bristol ...	209	14·7	-24	SE	5	c-bc	63	65	52	8	5	-	-	7-8	7-8	5200
	Portland Bill ...	32	14·4	-18	E	4	c-bc	58	85	54	8	5	-	-	7-8	7-8	4000
	Plymouth ...	82	15·6	0	SW	3	z_o	57	97	57	6	5	-	-	10	10	400
	The Lizard ...	240	15·7	+4	WSW	3	c	55	97	55	7	5	-	-	10	10	800
	Scilly (St.Mary's)	163	15·4	+4	SW	4	c	56	97	55	7	5	-	-	10	10	1000
	Guernsey ...	175															
6	Pembroke ...	142	14·1	0	SW'W	4	c	55	97	53	7	8	-	-	9	10	4000
7	Holyhead (Valley)	32	13·6	-10	S	3	tlr_o	58	85	54	6	8	-	-	10	10	4500
	Chester (Sealand)	16	15·1	-26	SE	2	c	56	85	49	6	5	7	-	7-8	10	2000
8	Manchester ...	235	16·3	-20	E	4	b-bc	51	85	46	7	-	3	-	0	2-3	—
10	Spurn Head ...	29	20·5	-24	ESE	5	c-bc	52	85	48	7	7	7	-	4-6	7-8	2500
	Catterick (Sc)...	192	21·0	-20	SE	2	c	46	92	45	7	5	4	-	7-8	10	1000
	Tynemouth ...	108	21·2	-24	SE	5	c	50	97	49	7	8	-	-	9	9	2500
11	St. Abbs Head	280	18·6	-26	ESE	4	c	48	97	47	8	5	-	-	10	10	2500
	Leuchars ...	36	18·4	-20	ENE	3	c	50	85	44	8	5	7	-	7-8	10	1500
12	Renfrew (Abbots L.)	19	15·5	-28	ENE	4	z_o	50	85	46	6	5	-	7	4-6	10	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	12·7	-18	SSE	6	$r_o r_o$	52	86	47	7	6	7	-	4-6	9+	1800
13A	Tiree	44	11·5	-14	ESE	4	c	55	75	49	8	5	1	-	2-3	10	2500
13B	Stornoway ...	15	14·4	-26	ESE	4	c-bc	48	85	46	8	-	4	3	0	7-8	—
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	20·3	-18	SSE	3	c	46	85	42	9	5	-	-	10	10	1400
	Wick ...	114	20·0	-22	SSE	4	c	46	85	42	9	5	-	-	10	10	900
16	Sumburgh ..	19	22·1	-18	E'S	4	b-bc	47	92	45	8	5	4	2	1	2-3	900
17	Blacksod Point	18	07·1	+2	SSW	6	pr	55	85	50	7	9	-	-	9+	8+	2500
18	Malin Head ...	84	07·5	-38	ESE	5	TLR	55	97	54	8	8	2	-	4-6	10	2500
	Aldergrove ...	268	10·2	-24	SE	3	tlr	53	92	52	6	9	7	-	9	10	4000
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	11·6	+8	SW'W	3	bc/pr	53	85	49	8	2	-	-	4-6	4-6	2500
	Roches Point	22	11·8	+6	WSW	4	b-bc	53	97	52	8	5	-	-	2-3	2-3	1500

OBSERVATIONS at 7 hr. G.M.T. 30th May

Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind. Direc. (18)	Wind. Force 0–12 (19)	Weather. (20)	Temp. °F. (21)	% Humid. (22)	Dew Point. °F. (23)	Visibility. 0–9 (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
14·2	-12	SSE	2	c	62	75	53	7	5	7	-	9	10	5700	0	*
15·4	-12	SSE	4	c	61	75	54	7	9	5	6	7-8	9+	2500	0	*
14·1	-6	SSW	3	c	61	85	56	6	8	7	-	9	9+	3000	1	*
15·1	+14	W'N	4	c	57	92	54	7	5	2	-	9	9+	1200	0	*
15·0	+2	SW'W	3	z_o	58	92	56	6	5	-	-	10	10	450	1	*
16·2	-10	ESE	4	z_o	59	75	52	6	5	9	7	4-6	10	4000	0	*
17·1	-4	SSE	4	z_o	56	85	52	6	-	7	6	0	10	—	0	*
16·5	-8	SE	4	z_o	58	85	54	6	-	7	-	0	10	—	0	*
17·1	-14	ESE	5	z_o	57	92	54	6	-	7	-	0	10	—	0	3
17·6	-20	SE	5	c-bc	54	85	50	7	5	7	-	4-6	7-8	2000	0	4
15·0	-20	ESE	5	c/r	57	85	52	8	-	7	7	0	10	—	0	*
15·6	-4	E'S	3	r/Hr	50	97	50	5	9	-	-	10	10	100	4	*
14·4	-4	ESE	2	$r_o r_o$	57	97	57	3	6	2	-	9	10	800	1	*
14·1	-2	—	0	o/pr	57	85	53	6	-	2	-	10	10	4000	0	*
14·3	+6	WNW	3	c	58	85	54	8	5	-	8	2-3	9	3000	1	*
15·3	+22	WNW	3	c-bc	55	85	51	8	2	6	3	2-3	7-8	1800	0	3
15·6	+10	W	3	id_o	57	92	55	8	5	-	-	10	10	1300	0	*
15·6	+16	NW	3	c	57	85	53	8	5	-	-	10	10	4000	1	3
17·3	+14	WNW	3	c	57	85	52	8	5	-	-	9+	9+	1500	0	2
17·2	0	WNW	4	c-bc	55	92	53	8	8	9	-	7-8	7-8	2500	0	4
17·5	+16	W	5	c	55	85	51	8	2	6	5	2-3	9+	1200	0	4
13·4	+12	W'N	4	bc	54	92	51	7	2	4	1	2-3	4-6	3000	0	3
13·3	+4	SW'S	4	c/d	54	97	54	6	8	-	-	9+	9+	2000	1	3
14·0	0	SE	1	c	54	92	52	6	5	2	-	7-8	10	1500	1	*
14·1	-8	SSE	3	c/r	55	85	50	7	6	2	-	7-8	10	2000	1	*
17·1	-10	SE'S	5	rr	53	92	51	6	5	-	-	10	10	1500	1	4
16·3	-18	SE	2	ir_o	50	92	48	6	5	-	-	10	10	1000	1	*
16·8	-18	SSE	5	o/r	49	92	48	7	-	2	-	10	10	2200	1	3
14·0	-16	SE	5	ir_o	48	97	47	7	5	2	-	7-8	10	1500	1	4
15·0	-14	ENE	4	rr	49	92	47	6	5	2	-	7-8	10	1500	1	*
12·6	-4	ENE	2	$d_o d_o$	48	97	48	4	6	2	-	7-8	10	1000	1	*
13·6	-2	—	0	rr	48	92	46	6	6	2	-	7-8	10	700	1	*
12·0	+4	S	4	ir	53	97	53	6	-	2	-	10	10	1800	1	4
10·0	+6	SSE	5	rr	60	97	60	6	5	7	-	7-8	10	1000	1	4
09·8	-6	SE	3	rr	50	92	47	7	5	2	-	9	10	2500	1	2
13·0	-20	N'E	5	ir	45	85	42	6	5	1	-	4-6	10	1500	1	*
16·3	-18	SSE	4	c	48	85	46	8	5	-	-	10	10	2500	0	3
15·0	-18	SE	4	c	47	85	44	9	5	-	-	4-6	10	600	0	*
18·7	-10	E'S	4	c	48	85	43	8	5	-	-	10	10	1400	0	3
11·1	+20	SW	4	c-bc	54	75	47	8	8	-	4	4-6	7-8	2500	1	3
10·6	+28	SW	3	b-bc/pr	53	85	49	8	8	-	-	2-3	2-3	2500	2	3
12·0	+34	SW	2	b-bc	54	85	50	8	8	-	-	2-3	2-3	2000	1	*
13·7	+26	SW	3	c-bc	55	85	51	8	4	-	-	7-8	7-8	1500	0	*
14·5	+18	SSW	4	c-bc	55	85	51	8	8	3	-	7-8	7-8	2500	1	3
15·5	+26	SW'W	3	b	53	92	51	8	5	-	-	1	1	2500	1	4

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)
77	56	53	-	0·1	12·2
77	55	50	-	-	12·7
75	55	47	-	0·3	13·4
74	43	39	-	0·4	12·5
73	57	55	-	0·1	*
70	54	48	-	—	13·1
70	54	51	-	—	11·8
69	55	51	-	—	9·8
67	53	50	-	—	11·9
60	52	48	-	—	12·7
74	50	40	-	Tr	11·5
70	47	46	-	17	10·3
72	55	49	-	27	10·6
73	53	45	-	0·2	*
75	55	54	-	7	12·1
73	54	53	-	Tr	12·2
75	56	55	-	Tr	11·7
60	56	*	-	-	*
72	56	52	-	-	12·9
62	53	*	-	Tr	13·0
64	53	*	Tr	—	9·2
65	53		-	—	8·6
73	53	53	-	6	*
74	53	51	-	6	11·0
72	51	46	-	5	*
58	51	*	-	2	13·5
65	46	39	-	0·6	11·8
57	49	47	-	1	*
57	47	*	-	Tr	*
57	49	45	-	Tr	14·1
66	48	43	-	8	11·7
65	44	41	-	4	13·0
61	51	*	-	8	9·7
62	49	48	-	16	9·3
55	48	46	-	0·6	10·5
64	43	42	-	2	13·4
64	52	*	-	3	*
55	47	46	-	-	3·2
52	45	43	-	-	*
54	46	41	-	-	2·7
65	52	*	-	3	*
64	52		-	8	8·7
64	52	51	-	12	9·3
69	50	46	-	0·3	6·0
69	50	46	1	3	2·1
60	51	*	Tr	2	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 29th	18h. G.M.T.	01h. G.M.T. 30th	07h. G.M.T.
IIIC$_L$C$_M$	wwVhN$_h$ DDFWN	C$_L$C$_M$	wwVhN$_h$ DDFWN
109 5-	02847 06127	5-	02748 12428
115 52	05834 04326	54	02954 08424
203 04	01990 04314		
206 10	02961 10425	70	01962 06419
210 13	02963 02325	10	01961 07514
219 00	02890 08415	00	02990 06515
230 00	01990 76113	00	05890 10127
245 74	01962 12314	74	01962 11314
260 00	05690 12310	10	01762 04315
278 10	01862 14317	07	02990 09327
279 13	01962 02212	00	05690 10515
285 13	01864 12414		
288 17	01862 04314	10	01862 15315
575 04	01890 47414	57	02762 45428
301 00	05630 09300	02	17690 09517
321 10	01763 10113	04	02890 08415
2.3 52	01752 30313	14	01752 08314
292 10	01864 08114	03	01990 10226
310			
314 10	01774 12114	04	01790 08416

13h. G.M.T. 29th	18h. G.M.T.	01h. G.M.T. 30th	07h. G.M.T.
IIIC$_L$C$_M$	wwVhN$_h$ DDFWN	C$_L$C$_M$	wwVhN$_h$ DDFWN
333 00	10890 03214	57	02662 15326
334 --	00890 00000		
340 04	05690 07304	01	02790 10416
136 00	02730 02215	53	01762 06415
330 50	01762 12312	13	01762 12413
350 10	01761 08114	00	02790 04326
368 00	05690 06414	04	01790 08415
379 14	02763 10216	03	05690 10323
390 10	05664 02214	07	05690 08326
382 13	05664 12215	44	01762 13213
435 54	05663 08214	78	01773 04213
430 03	01790 12314		
409 10	01851 12614	07	01890 48523

13h. G.M.T. 29th	18h. G.M.T.	01h. G.M.T. 30th	07h. G.M.T.
IIIC$_L$C$_M$	wwVhN$_h$ DDFWN	C$_L$C$_M$	wwVhN$_h$ DDFWN
		62	28563 14498
		53	21745 22466
		07	02790 14618
		52	51545 14398
		04	01790 10411
		55	61756 10528
		84	01790 08401
		87	11656 16298
		53	05656 12228
		5-	05635 26458
		08	07690 12416
		5-	05648 18328
		00	05690 08320
		87	05664 12325
		07	07690 12314
		00	00690 00400
		87	81645 16315
		50	05663 43524
		5-	05648 19228
		50	02834 23327

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
C$_L$C$_M$ = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

‡ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 30th May
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 ...	bz_o bbcy	bcy	bcyawpc
Croydon ...	bcz_o cy	cybcy	bcbbc
Greenwich ...	bbcy	bcby	bcm$_o$
Camden Square	c	bc	*
Kensington ...	bcz	bc	*
Hampstead ...	bc	bc	o

Atmospheric Pollution. Milligrams of solid impurity per cubic metre
Kew 24 hours ended 7h Max. Th 0·1 7-0a 29th Min. Time <0·1 Rest of Period

Stations.	Temperature Day Max °F	Temperature Night Min °F	Temperature Min on grass °F	Rainfall Day mm	Rainfall Night mm	Sunshine to sunset hrs	Humidity 15h % Yesterday	Humidity 9h % To-day
Kew ...	77	56	53	-	0·1	12·2	*	*
Croydon ...	60	55	50	-	-	12·7	*	*
Greenwich ...	77	54	47	-	-	12·7	49	77
Westminster ...	78	57	53	--			45	80
Regents Park ...								
Camden Square	80	55	52	-	-	*	*	76
Kensington ...	78	57	52	-	-		45	80
Hampstead ...	76	53	49	-	-		*	85

SECRET

Page 1

BRITISH SECTION — THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Monday 31st May 1943 — No. 25775

OBSERVATIONS at 13h. G.M.T. 30th May

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. (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	0	WNW	3	bc	69	45	48	8	3	-	3	4-6	4-6	2500
	Croydon ...	15·9	0	WNW	3	c-bc	71	55	52	8	2	-	2	4-6	7-8	2500
	S. Farnborough	16·2	+6	W'N	4	c-bc	70	45	49	8	1	7	6	4-6	7-8	2500
	Boscombe Down	17·0	+8	N	4	c	65	45	45	8	1	-	6	4-6	9	2500
	Thorney Island	16·3	+2	W'N	3	c-bc	71	65	56	9	1	-	9	4-6	7-8	3500
	Lympne ...	15·5	-2	W'S	2	2_o	65	85	60	6	1	9	-	7-8	9	1800
	Manston ...	15·3	-2	NSW	2	2_o	64	85	58	6	5	-	-	10	10	1000
	Shoeburyness ...	15·4	-2	W	3	2_o	70	65	58	6	2	7	-	4-6	7-8	4000
	Felixstowe ...	14·4	-6	SE	3	2_o	64	85	59	6	5	2	-	7-8	10	2500
	Gorleston ...	15·5	-6	ESE	4	2_o	56	92	53	6	5	-	-	10	10	2500
	Mildenhall ...	14·7	-2	W	3	2_o	62	85	58	6	5	-	-	10	10	1500
	Cranwell ...	14·5	-10	W'N	4	2_o	60	85	55	6	5	7	-	9+	9+	1000
3	Birmingham ...	14·9	+4	WNW	3	c-bc	64	65	52	8	8	-	3	4-6	7-8	2500
	Upper Heyford	14·7	+2	WNW	4	c	67	55	51	8	2	-	4	4-6	9	2800
4	Ross-on-Wye	15·9	+6	W	4	c-bc	65	55	46	9	1	-	2	4-6	7-8	3500
5	Hartland Point	18·5	+10	WNW	3	bc	59	85	53	8	2	-	2	2-3	4-6	2500
	Bristol ...	17·4	+6	W	4	c	64	65	53	8	1	-	4	2-3	9	2500
	Portland Bill ...	16·7	+10	SW	4	bc	58	85	52	8	2	-	-	4-6	4-6	4000
	Plymouth ...	19·0	+8	W	3	c	62	75	53	8	1	-	2	7-8	9	2500
	The Lizard ...	19·1	+4	W	4	bc	61	85	56	8	2	6	-	4-6	4-6	3500
	Scilly (St. Mary's)	19·8	+8	WSW	2	c-bc	62	75	54	8	2	6	-	7-8	7-8	1800
	Guernsey ...															
6	Pembroke ...	18·4	+6	W'N	3	bc	56	85	51	8	2	4	1	2-3	4-6	3000
7	Holyhead (Valley)	16·5	+10	WSW	3	b-bc	60	75	51	9	1	-	1	2-3	2-3	3000
	Chester (Sealand)	15·6	+14	NW	3	c-bc	62	65	50	8	8	-	6	2-3	7-8	3500
8	Manchester ...	15·1	+8	W'N	5	c	61	75	53	8	2	6	1	4-6	9	2500
10	Spurn Head ...	15·0	+10	SE'S	6	2_o	53	97	52	5	5	2	-	4-6	10	1500
	Catterick (Sc) ...	15·1	0	SSE	1	cf+	55	92	53	3	6	2	-	7-8	10	500
	Tynemouth ...	15·5	-2	S	3	2_o	51	97	50	5	-	2	-	10	10	1800
11	St. Abbs Head	13·3	+10	S	3	c-p	51	97	51	7	5	2	-	7-8	10	1500
	Leuchars ...	13·5	0	-	0	2_o	53	85	50	6	5	2	-	9	10	1900
12	Renfrew (Abbots I.)	13·6	+10	WNW	2	pr	57	85	52	7	8	7	-	7-8	9+	1800
	Eskdalemuir ...	12·8	0	SW'W	3	c-bc	58	85	52	7	5	-	-	7-8	7-8	1100
	Point of Ayre ...	14·5	+10	WNW	4	b-bc	64	65	53	8	1	4	8	1	2-3	3500
13A	Tiree	13·7	+18	SW'W	3	b-bc	57	85	53	8	5	-	3	2-3	2-3	2000
13B	Stornoway ...	11·2	+8	SSW	4	pr	57	75	49	7	8	3	9	7-8	9	2500
15	Dalwhinnie ...	13·5	+4	S	3	0_o	51	85	46	7	5	-	-	10	10	1500
	Aberdeen ...	14·5	-10	SSE	3	rr	49	97	49	5	6	2	-	7-8	10	1000
	Wick ...	14·2	-8	SE	3	r-c	48	97	47	6	5	-	-	10	10	600
16	Sumburgh ...	16·4	-18	SE	4	c	50	85	44	8	5	1	-	9+	10	1500
17	Blacksod Point	13·4	+6	SW	4	bc	58	75	50	8	8	-	-	4-6	4-6	2500
18	Malin Head ...	13·0	+10	W	3	bc/pr	57	75	49	8	5	-	-	4-6	4-6	2500
	Aldergrove ...	14·2	+6	SW	2	bc	63	65	45	9	7	6	-	4-6	4-6	2500
19	Birr Castle ...	14·8	+2	SSW	3	bc	64	55	48	8	2	-	-	4-6	4-6	1500
20	Valentia Obsy.	15·7	-2	SW'S	5	c-bc	60	75	52	8	2	-	3	4-6	7-8	2500
	Roches Point	17·2	+6	WSW	3	b-bc	59	85	54	8	3	-	3	2-3	2-3	1500

OBSERVATIONS at 18h. G.M.T. 30th May

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. (24)	Cloud. Form. Low. (25)	Form. Med. (26)	Form. High (27)	Amount. Low 0–10 (28)	Amount. Total 0–10 (29)	Height of Base (feet) (30)	State of Ground. 0–9 (31)	Sea. 0–9 (32)
1	London (Kew)	15·7	0	WNW	3	bc	68	45	47	8	8	-	1	4-6	4-6	2500	0	*
	Croydon ...	16·4	-6	NSW	3	bc	68	55	49	8	2	-	1	2-3	4-6	3000	1	*
	S. Farnborough	16·0	-4	WNW	3	b-bc	68	55	49	8	1	-	-	2-3	2-3	3000	0	*
	Boscombe Down	17·0	0	WNW	3	b-bc	64	45	43	8	1	-	1	1	2-3	4000	0	*
	Thorney Island	16·7	0	SW	3	b-bc	64	75	55	9	1	6	2	2-3	2-3	4000	0	*
	Lympne ...	16·5	+6	SW	2	bc	67	75	57	8	2	-	1	Tr	4-6	4000	0	§
	Manston ...	14·8	-2	N'E	2	c	67	65	55	8	2	-	7	2-3	10	4000	0	*
	Shoeburyness ...	15·4	0	NW	3	2_o	71	45	50	8	P	-	2	2-3	4-6	4000	0	*
	Felixstowe ...	14·7	-4	WNW	3	bc	70	65	55	7	1	-	5	1	4-6	2500	0	3
	Gorleston ...	14·5	-10	NW	3	2_o	64	75	57	6	-	-	3	0	4-6	-	0	3
	Mildenhall ...	14·6	-4	W'N	2	c-bc	68	75	58	8	2	6	2	2-3	7-8	4000	0	*
	Cranwell ...	15·1	+6	WNW	3	bc	65	65	51	7	2	-	1	Tr	4-6	2000	1	*
3	Birmingham ...	15·2	-4	WNW	3	b-bc	65	55	49	8	1	-	-	2-3	2-3	4000	1	*
	Upper Heyford	15·4	-2	WNW	3	bc	66	55	47	9	2	6	8	2-3	4-6	4000	0	*
4	Ross-on-Wye	15·9	0	W'N	3	bc	65	55	49	9	2	-	3	4-6	4-6	3500	1	*
5	Hartland Point	17·9	-10	WNW	3	b-bc	59	85	53	8	1	4	-	2-3	2-3	2500	0	3
	Bristol ...	17·2	-4	W	4	b-bc	60	65	50	8	2	-	5	Tr	2-3	2500	0	*
	Portland Bill ...	17·9	-8	SW	4	bc	57	85	53	8	2	-	-	4-6	4-6	4000	1	4
	Plymouth ...	18·4	-8	W	3	b-bc	61	75	54	8	1	-	-	2-3	2-3	3000	0	2
	The Lizard ...	18·3	-10	W'N	3	b-bc	59	85	53	8	1	-	-	2-3	2-3	3000	0	3
	Scilly (St. Mary's)	18·5	-12	WSW	2	bc	59	65	49	8	8	3	8	4-6	4-6	1800	0	2
	Guernsey ...																	
6	Pembroke ...	18·4	-2	WSW	3	bc	57	85	53	8	2	4	1	2-3	4-6	3000	0	3
7	Holyhead (Valley)	16·6	-4	SW'S	3	b	57	85	51	8	1	6	1	Tr	1	3000	1	2
	Chester (Sealand)	15·7	-2	SW	3	bc	62	55	47	8	1	4	-	2-3	2-3	2500	0	*
8	Manchester ...	15·9	-2	WNW	4	b	61	55	43	9	4	-	-	1	1	2500	0	*
10	Spurn Head ...	14·8	0	SSE	2	2_o	56	92	54	6	5	2	-	4-6	9+	1500	0	3
	Catterick (Sc) ...	14·5	+2	WNW	2	b-bc	65	55	48	8	1	-	-	2-3	2-3	3000	0	*
	Tynemouth ...	14·9	-2	SSW	2	2_o	57	85	53	6	2	-	-	7-8	7-8	2000	1	2
11	St. Abbs Head	13·0	-2	WNW	3	b-bc	55	85	51	7	5	4	-	2-3	2-3	3500	0	4
	Leuchars ...	13·6	-2	WNW	1	b-bc	61	75	50	7	2	6	-	2-3	2-3	2500	0	*
12	Renfrew (Abbots I.)	13·9	-2	NW	2	c-bc	61	65	50	9	8	6	5	7-8	9+	1800	1	*
	Eskdalemuir ...	14·0	+6	W'N	2	b-bc	59	55	45	8	7	-	-	2-3	2-3	2800	1	*
	Point of Ayre ...	15·3	0	WNW	2	b	61	75	51	8	2	-	-	1	1	3000	0	2
13A	Tiree	14·1	-2	SW	3	b	56	85	50	8	2	6	-	Tr	1	2500	1	2
13B	Stornoway ...	12·9	+10	SSW	4	bc	54	85	50	8	2	3	-	2-3	4-6	2200	1	3
15	Dalwhinnie ...	13·0	+4	S	3	b-bc	57	55	41	8	8	-	-	2-3	2-3	2500	0	*
	Aberdeen ...	13·1	-8	S	1	b	58	85	52	6	5	3	-	Tr	1	4000	1	2
	Wick ...	13·8	-2	SE	1	c	51	92	49	9	5	-	-	7-8	9	5000	1	*
16	Sumburgh ...	14·3	-16	SE'S	4	r-c	48	97	48	7	6	2	-	9+	10	600	1	2
17	Blacksod Point	12·8	-4	SSW	5	c-bc	55	75	47	8	8	-	6	4-6	7-8	2500	1	4
18	Malin Head ...	14·2	+8	E	2	pr	53	85	49	8	8	-	-	9+	9+	2500	2	2
	Aldergrove ...	14·1	-6	WSW	2	c-bc	60	65	49	9	8	-	4	4-6	7-8	3000	1	*
19	Birr Castle ...	13·5	-10	SSW	2	c-bc	65	45	44	8	8	-	-	7-8	7-8	1500	0	*
20	Valentia Obsy.	13·5	-18	S	5	c-bc	58	75	50	8	2	3	3	4-6	7-8	2500	1	3
	Roches Point	13·8	-14	SW	4	bc	59	85	54	8	2	-	5	1	4-6	2500	1	4

PAST 24 HOURS.

Weather. 7h.—13h. 30th (39)	12h.—18h. 30th (40)	18h. 30th to 1h. 31st (41)	1h.–7h. 31st (42)
c2obcy	bcy	bc	bcz$_o$w
c	bcy	mbbcc	cbcwc
cmoccy	cloy	byb	bbccwbc
ccy	cybcy	byb	bbcaf
cmocbc	bc	bbm$_o$	bcfgc
c2obpRcm	cmobccy	bcbbcw	bcfgm$_o$
clrbcrm$_o$	cmoz$_o$y	cbcbm$_o$	bcm$_o$
cmopRcm$_o$	c2occy	c	cm$_o$w
cRRcm$_o$	cmobc	bcm$_o$bm$_o$	bcm$_o$
cprzo	cbcz$_o$	bcbwz$_o$	bcwcz$_o$
ctkRirom$_o$	cm$_o$c	cbm$_o$	bmcFbfcm$_o$
ctcrm$_o$	cmocr$_o$bcybb		bbcfgbcm$_o$
fordoc	cb	b	bbcm
cmoccy	cybcy	byb	bcm$_o$bcm$_o$w
cbcc	bcvy	bcvb	bwbcc
cbc	bc	bcbbc	bcc
cidobc	cbcbb	b	bwbcw
cbc	bcbc	bc	c
c	cbc	bbc	bcc
cbc	bc	bccw	c
c	cbc	bcc	c
bc	bc	bc	c
cbc	bvb	b, cbc	bcc
cmopro	bcy	bcybbc	bcm$_o$cf
cidopr	cbcby	bybm$_o$w	bm$_o$bccw
crorom$_o$	cm$_o$	bc	bbcf
cddfcf	cbc	bcb	cm$_o$
ororom$_o$	ocm$_o$	cbcm$_o$	bcm$_o$
crrm$_o$cqr	cmorbc	bcm$_o$bc	cbcba
irorrdodcm$_o$	cm$_o$bc	bbbc	bcc
cmd$_o$dspro	cpr$_o$cby	cbccm$_o$w	wcm$_o$bcm$_o$f$_o$
orrrcmc	cbcy		bcybcc
ircbcb	b	b	bbcc
bc	bcb	cpr$_o$bc	bccir$_o$
crrirom$_o$pro	cpro cbc	bw	bwjfc
oirco	oc pro bc		bcprc
crorcrm$_o$	cir$_o$ bcbz$_o$	bcbz$_o$	bcfcfcm$_o$
cor rom$_o$	c	b	cbc
c	cir$_o$ r.r$_o$	cd$_o$d$_o$id$_o$mcm	cm$_o$cid$_o$c
bc	c	c	r
pr	pr	pr	r
bbccbccy	bcycyc	ccpro bc	bcc
bc	c		r
bc	bc	pr	r
bc	bc	c	r

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 31st May 1943

Districts	
1	S.E. England
2	E. England ...
3	E. Midlands ...

Wind south to southwest light or moderate; cloudy, occasional rain later; rather warm today cooler tomorrow.

Districts	
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

Wind south to southwest moderate or fresh; cloudy, some rain; bright intervals and showers later; rather cool.

Districts	
15	N.E. Scotland

Wind southeast light or moderate, freshening, veering south later; cloudy, rain later; rather cool.

Districts	
16	Orkneys and Shetlands

Wind south-southwest to west-southwest moderate or fresh; occasional rain or showers but some bright intervals; rather cool.

Districts	
17	N.W. Ireland
18	N.E. Ireland
19	S.E. Ireland
20	S.W. Ireland

GENERAL INFERENCE

A depression off northwest Ireland is moving north-northeast slowly and an associated trough will cross the British Isles giving a period of rain followed by showers and bright intervals

FURTHER OUTLOOK

Unsettled.

Forecasts issued at 10·30

N. K. JOHNSON, D.Sc., A.R.C.S., Director.
Meteorological Office, Air Ministry, Kingsway, London, W.C.2

7h. Monday 31st May 1943.

HIGH

LOW

HIGH

1010 1012 1014 1016 1008 1006 1004 1002 1000 998 996 994

10° 5°W. 0° 5°E 10°

60° 55° 50°

STATION MODEL

High Cloud

Medium cloud

Temperature °F.

Present weather

Visibility

Dew Point °F

Low cloud

Amount of Low cloud

Height of Low cloud { Code figure (one figure) or hundreds of feet (two figures)

Total Amount of cloud

Wind

Barometer mb.

Bar. change in past 3 hours in mbs.

Weather in past hour

Past weather

Scale 1 : 5,000,000

Mb

H.M.S.O. Press, M.O., Dunstable

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.

Morning of

Monday 31st May

1943.

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 two hours to get double summer time.

BRITISH SECTION — THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Monday 31st May 1943 — No. 29775

OBSERVATIONS at 1 hr. G.M.T. 31st May

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0–9 (9)	Cloud. Form. Low. (10)	Cloud. Form. Med. (11)	Cloud. Form. High (12)	Cloud. Amount. Low 0–10 (13)	Cloud. Amount. Total 0–10 (14)	Cloud. Height of Base. (feet) (15)
1	London (Kew)	18	*	*	*	*	*	56	*	*	*	*	*	*	*	*	*
	Croydon ...	290	17·0	-2	W'S	1	c-bc	55	75	47	7	5	-	-	7-8	7-8	3700
	S. Farnborough	226	16·0	-8	—	0	b	52	85	46	7	-	-	-	0	0	—
	Boscombe Down	417	16·9	-6	—	0	b-bc	47	85	44	8	-	4	2	0	2-3	-
	Thorney Island	10	16·4	-4	—	0	z_0	50	92	48	6	-	3	-	0	Tr	—
	Lympne ...	283	16·5	-2	W	1	bc	50	92	49	7	5	-	-	4-6	4-6	1200
	Manston ...	154	15·6	0	W	1	z_0	55	85	51	6	-	3	-	0	2-3	—
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	12	15·6	-2	—	0	z_0	57	97	56	6	-	3	-	0	2-3	—
	Gorleston ...	5	14·7	-4	W'N	2	z_0	54	92	52	6	-	-	-	0	0	—
	Mildenhall ...	15	15·6	-2	SW'W	2	m	52	92	52	4	5	-	-	Tr	Tr	4000
	Cranwell ...	203	15·5	-6	W'N	1	b	49	85	45	7	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	15·8	-4	—	0	b	51	92	49	7	-	7	-	0	1	—
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	15·0	-16	SSW	3	bc	51	92	49	8	-	4	2	0	4-6	—
	Bristol ...	209	17·1	-6	—	0	b	47	92	45	7	-	-	1	0	1	—
	Portland Bill ...	32	16·1	-10	SW	3	bc	55	85	51	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	16·9	-14	SW	2	bc	54	92	53	8	5	-	2	2-3	4-6	3000
	The Lizard ...	240	15·7	-20	S'W	4	c	53	92	51	8	5	-	-	9+	9+	1500
	Scilly (St. Mary's)	163	14·8	-22	S'W	4	c-bc	52	92	50	8	5	7	-	4-6	7-8	1500
	Guernsey ...	175															
6	Pembroke ...	142	14·6	-16	S	2	b-bc	53	92	51	8	8	4	-	2-3	2-3	2500
7	Holyhead (Valley)	32	15·1	-12	S	2	b-bc	52	92	50	8	5	4	-	1	2-3	3000
	Chester (Sealand)	16	15·4	-2	—	0	bc	48	92	45	6	5	4	-	4-6	4-6	4000
8	Manchester ...	235	16·3	-2	—	0	z_0	46	92	43	6	-	-	1	0	Tr	—
10	Spurn Head ...	29	14·9	0	WNW	4	b-bc	54	85	48	7	1	-	-	2-3	2-3	2500
	Catterick (Sc.) ...	192	15·5	+2	—	0	b-bc	45	92	44	7	4	-	8	2-3	2-3	3000
	Tynemouth ...	108	15·9	-2	N	3	z_0	59	85	57	6	2	4	-	2-3	4-6	1500
11	St. Abbs Head	280	13·5	+4	W	2	b-bc	57	75	48	7	4	-	-	2-3	2-3	4000
	Leuchars ...	36	13·9	+2	—	0	b-bc	45	92	44	8	5	3	5	1	2-3	3000
12	Renfrew (Abbotsl.)	19	13·9	-6	—	0	z_0	47	97	46	6	5	3	-	7-8	10	2000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	14·1	+2	S	3	b	51	85	47	8	-	-	3	0	1	-
13A	Tiree	44	12·7	-14	SE	3	bc	51	92	49	8	5	4	1	2-3	4-6	4000
13B	Stornoway ...	15	13·2	-4	—	0	b	47	97	46	8	-	-	-	0	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen † ...	79	14·5	+6	—	0	bF	43	97	43	1	4	-	-	1	1	2900
	Wick ...	114	14·4	-2	-	0	b-bc	43	92	40	8	4	7	-	1	2-3	4000
16	Sumburgh ..	19	12·7	-6	S'W	3	o/d	48	97	48	5	-	2	-	10	10	100
17	Blacksod Point	18	06·8	-38	SE'S	4	c	54	75	46	8	5	-	-	10	10	2500
18	Malin Head	84	10·8	-22	ESE	2	c	52	75	44	8	5	-	-	10	10	2500
	Aldergrove ...	268	11·9	-18	SSE	1	bc	52	85	48	8	5	-	-	4-6	4-6	4500
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.	30	05·1	-48	SSE	6	ir	54	85	50	7	6	2	-	9	10	2500
	Roches Point	22	10·2	-34	S	6	c	54	92	52	8	6	1	-	4-6	9	1500

OBSERVATIONS at 7 hr. G.M.T. 31st May

Barom. 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)
14·2	-6	SW	1	z_0	57	75	49	6	6	3	1	2-3	4-6	4000	0	*
16·2	-10	—	0	c-bc	59	75	51	7	-	4	2	0	7-8	—	0	*
14·3	-6	S'W	1	b-bc	55	75	49	8	-	7	1	0	2-3	-	0	*
14·8	-8	S'E	3	bc	50	85	48	3	*	-	-	10	10	<150	0	*
14·9	-6	—	0	c-bc	52	85	47	7	5	4	-	1	7-8	2500	0	*
15·1	-2	S	2	c-bc	58	85	53	7	-	-	6	0	7-8	—	0	3
15·0	+2	WSW	1	z_0	57	85	53	6	2	-	8	2-3	4-6	3000	0	*
15·2	-2	W	?	z_0	58	85	52	5	1	4	2	4-6	9	2500	0	*
14·6	-2	ENE	1	z_0	59	85	56	6	-	3	5	0	4-6	—	0	1
14·5	0	NNW	2	z_0	52	75	47	6	-	-	8	0	7-8	—	0	1
13·3	-6	—	0	z_0	86	85	51	6	-	-	6	0	7-8	—	1	*
13·6	-8	—	0	z_0	56	75	49	6	1	7	5	0	4-6	—	1	*
13·1	-10	SE	2	m	53	75	45	4	-	7	-	0	4-6	—	1	*
13·7	-14	S	1	z_0	53	92	50	5	5	7	1	1	4-6	1500	0	*
12·8	-16	WSW	1	c	54	85	51	7	-	3	1	0	9	—	0	*
11·3	-16	S	3	c	53	92	51	8	2	7	8	Tr	9+	1500	0	3
13·9	-18	SSE	2	bc	54	85	48	8	5	3	2	4-6	4-6	4800	0	*
14·4	-12	6	2	c	55	85	51	8	2	4	-	4-6	10	4000	1	3
13·5	-22	SW	4	c	55	92	53	7	5	2	-	9	9+	1500	0	1
11·6	-20	S	5	c	55	92	53	8	8	2	-	9	10	1500	0	4
08·9	-20	SSW	5	c	55	92	53	8	5	-	-	9+	9+	1000	0	4
11·1	-6	S'E	4	c	54	92	52	8	8	6	-	4-6	9+	2500	0	3
11·4	-18	SE	3	c	54	85	51	8	7	7	-	4-6	9+	4000	1	2
12·6	-12	SSE	1	c	51	85	47	6	5	7	1	4-6	9+	2500	0	*
13·2	-14	NE	1	z_0	52	92	49	6	1	3	6	2-3	7-8	4000	0	*
14·1	-2	E	2	bcF4	55	85	50	1	7	4	4	2-3	4-6	2500	0	2
14·1	-6	—	0	c-bc	52	85	47	7	5	3	8	4-6	7-8	3000	0	*
14·4	-6	WSW	1	z_0	55	75	47	5	-	4	-	0	2-3	—	1	2
12·5	-6	—	0	c-bc	57	75	49	8	4	3	-	4-6	7-8	4500	0	2
12·8	-6	—	0	c	50	85	46	7	5	4	9	2-3	9+	3500	1	*
11·3	-10	ESE	2	z_0	56	75	48	5	5	9	6	1	9+	3000	1	*
11·7	-20	—	0	c	48	92	46	8	-	7	7	0	10	—	0	*
11·4	-12	S'E	3	c	53	92	50	7	6	7	-	4-6	10	800	0	3
08·4	-14	SE	5	c	53	85	50	9	5	7	-	7-8	9+	3500	0	4
10·3	-16	E	3	c-bc	52	75	46	9	-	4	9	0	7-8	—	0	2
12·0	-10	SSE	3	c	49	85	45	8	5	6	-	7-8	9+	1500	0	*
13·5	-4	—	0	m	48	97	48	4	-	-	7	0	9	—	1	2
13·3	-4	E	1	bc	51	85	48	8	5	-	4	2-3	4-6	2000	1	*
13·1	+6	W'S	3	c	49	92	46	8	5	-	-	9+	9+	1500	1	2
00·0	-28	SE'S	5	DR	52	92	50	7	1	2	-	4-6	10	1500	2	4
06·5	-14	SE'S	4	c	52	75	45	8	5	-	-	10	10	2500	1	3
08·9	-12	SSE	4	c	55	85	48	8	5	7	-	7-8	10	2000	1	*
04·9	-20	SSW	4	c	52	85	48	7	6	2	-	7-8	10	800	0	*
01·8	+10	SW'S	4	b	53	85	49	8	1	-	-	1	1	2500	1	4
03·1	-30	S	7	rr	54	97	53	6	6	2	4	4-6	10	800	1	5

PAST 24 HOURS.

Temperatures. Max. Day 7h–18h °F. (33)	Min. Night 18h–7h °F (34)	Min. on Grass °F. (35)	Rainfall. Day 7h–18h mm. (36)	Rainfall. Night 18h–7h mm. (37)	Sunshine 30th Hrs. (38)
71	51	39	-	-	5·7
72	47	43	-	Tr	8·7
71	46	34	-	-	8·6
67	43	36	-	-	10·7
71	44	39	-	-	*
71	48		2	-	6·4
70	51	45	3	-	2·1
75	49	43	0·4	-	5·3
71	51	44	6	-	4·1
64	49	45	1	-	2·1
68	44	41	10	-	3·2
66	45	32	10	-	5·3
67	49	36	0·3	-	7·5
69	48	38	-	-	*
69	48	41	-	-	7·8
60	50	46	-	-	10·9
69	43	33	Tr	-	10·4
59	51	*	-	-	*
64	53	49	-	-	10·5
62	53	*	-	-	12·5
62	52	*	-	-	3·4
58	52	*	-	-	11·2
61	49	46	0·5	-	*
65	44	33	1	-	10·3
62	41	32	1	-	*
57	51	*	13	-	2·8
66	40	35	3	-	6·1
57	50	46	0·6	-	*
58	52	*	7	-	*
62	45	33	5	-	5·3
63	47	40	0·5	-	6·0
63	38	31	4	-	6·4
66	50	*	-	-	11·3
59	49	45	2	Tr	12·2
61	42	33	3	-	6·5
59	32	25	1	Tr	5·5
58	42	37	4	0·1	3·6
51	41	31	5	-	*
50	47	45	2	3	0·0
59	51	*	-	8	*
59	50		1	1	10·3
65	49	47	-	0·1	12·4
66	50	47	-	1	11·5
61	50	48	-	10	10·1
60	53	*	-	4	*

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 30th May ..... 18h. G.M.T. — 01h. G.M.T. 31st May ..... 07h. G.M.T.

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
109	5-	62638	46568	52	21645	19268	5-	01743	00013
115				84	02844	20226	54	02884	20145
203									
206	53	02814	00066	8-	01963	22383	50	01961	00011
270	57	62865	14367	83	01962	00063			
219	20	01852	19412	20	01853	19313	50	01853	14213
230	8-	01865	20368	70	01964	18314	4-	02864	16225
245	62	62626	17368	80	01863	04263	40	05661	00011
260	52	08445	00067	20	01863	23313	10	01763	00014
278	84	01954	32324	84	25954	18286	50	01864	12114
279	23	02853	20525	10	01963	22414	50	01862	10113
285									
288	51	05644	18358	2-	17456	04216	50	01862	00013
575	2-	25955	22385	20	02862	18217	52	02765	18187
301	74	01852	26424	20	01952	25313	04	01590	00001
321	53	05544	00066	10	01752	26323	00	05690	22110
2.3	5-	62538	14458	54	05653	16215	80	05644	00013
292	52	21636	18468	20	01962	24323	50	01863	20103
310									
61[illegible]		02756	28227	10	01754	26225	64	05590	30101

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
333	14	02955	26425	26	01953	18413	50	01744	00014
334									
340	37	02954	26225	20	01963	30213	00	00890	00000
286	57	05645	14298	8-	81658	28268	00	05590	24180
336									
350	23	02854	24325	40	01962	26214	40	05662	00012
388	10	01863	24414	20	01858	24413	50	01653	00002
379	70	02854	26326	10	01868	26213	50	01863	20213
390	30	05663	26324	30	02851	26215	50	05561	00021
382	2-	02855	24425				40	01862	00012
438	74	01763	24514	50	01763	24513	00	47490	26340
430	25	02855	22326	10	02852	20422	50	05662	24102
409	2-	02855	22425	10	01953	26214	07	01896	15214

III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
333	14	02955	26425	26	01953	18413
334						
340	37	02954	26225	20	01963	30213
286	57	05645	14298	8-	81658	28268
336						
350	23	02854	24325	40	01962	26214
388	10	01863	24414	20	01858	24413
379	70	02854	26326	10	01868	26213
390	30	05663	26324	30	02851	26215
382	2-	02855	24425			
438	74	01763	24514	50	01763	24513
430	25	02855	22326	10	02852	20422
409	2-	02855	22425	10	01953	26214

C_L C_M	wwVhN$_h$	DDFWN
50	01744	00014
00	00890	00000
00	05590	24180
40	05662	00012
50	01653	00002
50	01863	20213
50	05561	00021
40	01862	00012
00	47490	26340
50	05662	24102
07	01896	15214

C_L C_M	wwVhN$_h$	DDFWN
57	22844	14467
--	05563	00045
57	02654	14147
00	05690	18115
57	41654	24347
53	05662	14124
53	05633	16316
07	05690	20315
10	08461	16113
07	02790	00015
8-	43155	26345
57	02733	14115
29	02834	16427

III = Index Number of Station—See Index Chart in Introduction.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See Introduction.
N = Total amount of cloud—See Introduction.
C_L C_M = Form of low and medium cloud—See Introduction.
V = Visibility. F = Force of wind—See Introduction.
DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.

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LONDON OBSERVATIONS

For the 24 hours ending morning of 31st May

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_0bcy	bcy	bcz$_0$w	Kew 24 hours ended Max. 0·1 Min. Time whole period
Croydon ...	c	bcy	mbcbcwc	
Greenwich ...	cbcy	bcy	bccy	
Camden Square	c	b	*	
Kensington ...	cbc	bc	*	
Hampstead ...	bc	bc	bc	

Stations.	Temperature. Day Max °F	Temperature. Night Min °F	Temperature. Min on grass °F	Rainfall. Day mm	Rainfall. Night mm	Sunshine to sunset hrs	Humidity. 15h % Yesterday	Humidity. 9h % Today
Kew ...	71	51	39	-	-	5·7	*	*
Croydon ...	72	47	43	-	Tr	8·7	*	*
Greenwich ...	74	52	39	-	-	7·2	48	53
Westminster ...	73	53	46	-			53	53
Regents Park ...		53	44	-	-		44	52
Camden Square ...	73	54	50	-	-	*	*	55
Kensington ...	73	52	44	-	-		44	55
Hampstead ...	72	50	46	-	-		*	77