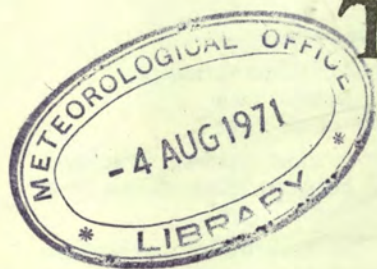


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DUPLICATE



# THE DAILY WEATHER REPORT

BRITISH SECTION

1st July to 30th September

1941



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



# INTRODUCTION

The Daily Weather Report has been issued in three sections since April 1, 1919. The section of which this forms the Introduction is known as the "British Section."

## NOTES REGARDING THE BRITISH SECTION.\*

**Description of each issue:**—The British section is issued daily by 5 p.m. (except that Sunday's issue is printed on Monday) and contains—

(a) 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. 2 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 at the foot of pp. 1 and 4, where the column numbers are shown in connexion with each of the separate classes of observation.

(b) Observations made at certain London Stations during the 24 hours ending 7h. or 9h.

(c) Table of atmospheric pollution for "yesterday" for South Kensington and Kew Observatory.

(d) Observations for "yesterday evening" and "this morning" from five capital cities on the Continent of Europe.

(e) On p. 2, a table of weather reports from Auxiliary Stations the positions of which are shown in the Map on p. III.

(f) A weather chart (scale 1 : 10,000,000) for the British Isles and the neighbouring parts of the Continent and of the Atlantic. An explanation of the chart is printed below it.

(g) A "general inference" drawn up by the forecaster from all the weather charts available. This inference sets out the meteorological changes in progress and the deductions to be drawn from them.

(h) Weather forecasts for the 24 hours commencing 12 noon of the day of issue for 20 districts into which the British Isles are divided.

(i) A "further outlook," i.e., an indication of the changes to be expected after the expiry of the term of the forecasts, if the meteorological conditions are such as to warrant the issue of such an extension.

(j) On p. 3, a weather chart for the greater part of the Northern Hemisphere, including the whole of Europe, part of N. Africa, the Northern part of the N. Atlantic, N. America and usually a part of Russia in Asia.

The observations presented on this chart are not synchronous, but as from 1st January, 1938, a change was made which gives approximately synchronous observations over a larger area than formerly.

Till the end of December, 1937, the chart could be divided into the following three sectors as regards hour of observation.

Sector.	Hour of Observation.
U.S.S.R. (approx. 170° E. to 30° E.)	7h. local time.
30° E. to 40° W.	6h. or 7h. G.M.T. (Azores 8h.).
40° W. to 170° W.	oh. or 1h. G.M.T.

From January 1st, 1938, these have been reduced to the two sectors :—

Sector.	Hour of Observation.
U.S.S.R. (approx. 170° E. to 30° E.).	7h. local time.
30° E. to 170° W.	oh. or 1h. G.M.T.

The improvement in the charts effected by this change is most marked over mid-Atlantic. Previously a difference of six hours had existed between observations from ships on opposite sides of the lines of longitude 40° W.

The gain in one respect has meant a sacrifice in another. The network of land stations in Europe and Africa making observations at 1h. is not so close as that of stations observing at 7h. This is particularly notable in Scandinavia, the Balkans and North Africa.

In the case of Iceland entries of weather, temperature and wind do not now appear on the chart, but pressure values at 1h. G.M.T. are available and are used in drawing the isobars.

**Wind:**—The force of the wind is indicated in each issue of the Report by figures on the Beaufort Scale. The equivalents between numbers of the Beaufort Scale and the indications of an anemometer when exposed at a height of 30 to 40 feet above the ground are set out at the foot of p. 2 of each issue. Stations where such anemometers are installed determine their Beaufort numbers from their anemometers. At stations where anemometers are not in use, the force of the wind is estimated by means of the specification set out below. All wind directions are "true" or geographical, as distinguished from "magnetic."

**Gale Warnings:**—A note regarding the meaning of gale warnings and the method of indicating in the Report to what districts warnings may have been issued is also shown below.

## THE INTERNATIONAL AND UPPER AIR SECTIONS.\*

The other two sections of the Daily Weather Report are Royal quarto in size. The International Section contains 4 pp. per day and is issued daily by 5 p.m., but the issues for Saturday and Sunday are made on Monday. The "International Section" contains information received from the Continent of Europe, the Mediterranean Basin, Iceland and the Azores, and from ships on the Atlantic, arranged as follows :—

- Two weather maps (Scale 1 : 20,000,000) for Europe, the Mediterranean and Eastern Atlantic for 18h. yesterday and 7h. to-day.
- Two inset maps (Scale 1 : 20,000,000) for Northwest Europe for 13h. yesterday and 1h. to-day.
- Table of meteorological observations taken at about 80 stations, mostly on the Continent of Europe (not for the British Isles).
- Table of meteorological observations received by Wireless Telegraphy from Ships on the Northern Atlantic.

This section is very useful to one who wishes to trace the passage of various weather systems, since the 4 charts for each 24 hours enable the reader to follow the course of events in detail. From 1st March, 1933, the positions of well-defined warm, cold and occluded fronts have been indicated on the weather maps.

**Upper Air Section:**—The third section, called the "Upper Air Section" consists of 2 pp. Royal quarto per day and the issue for "yesterday" is published immediately prior to the issue of the British Section for "to-day." It contains maps, diagrams and tables showing upper air currents, pressures and temperatures over the British Isles and the Continent of Europe.

\* Data available for publication under war conditions are necessarily incomplete.

## THE BEAUFORT SCALE OF WIND FORCE

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 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 2 against the forecast districts to which they apply :—

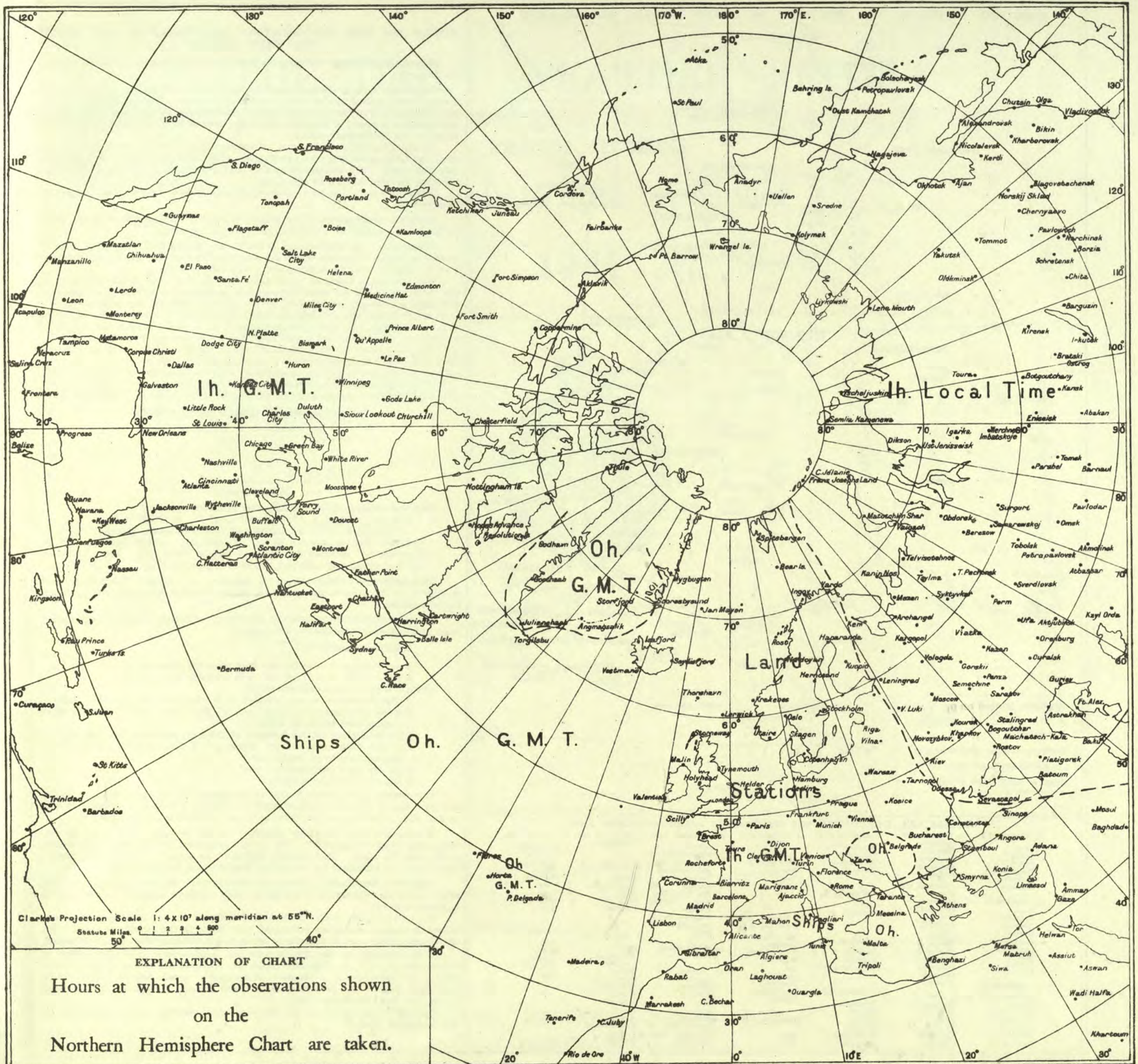
▲ North Cone hoisted :

▼ South Cone hoisted :

The time or times of issue of the gale warning telegrams is shown below the "further outlook" on page 2 of the Report.

\* Not.—The public issue of Gale Warnings is suspended for the duration of the war.







## FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND



## FORECAST DISTRICTS and the Counties comprised within them

1. England, S.E. Kent. Sussex. Surrey. Hampshire. Berkshire. Wiltshire.	4. Midlands, W. Gloucester. Hereford. Worcester. Shropshire. Stafford.	8. England, N.W. Cheshire. Lancashire. Westmorland. Cumberland.	11. Scotland, S.E. (cont.) Linlithgow. Clackmannan. Kinross. Fife. Forfar.	13. Scotland, N.W. Hebrides. Western parts of Inverness, Ross and Cromarty, Sutherland. (Boundary line runs from Ran- noch Station through Fort Augustus, Beaulie and Laig to Mel- nich.)	16. Orkneys and Shetlands.	19. Ireland, S.E. Waterford. Wexford. Kilkenny. Carlow. Wicklow. Offaly. Laois. Kildare. Dublin.
2. England, E. Essex. Middlesex. Hertford. Bedford. Huntingdon. Cambridge. Suffolk. Norfolk. Lincoln.	5. England, S.W. Dorset. Somerset. Monmouth. Devon. Cornwall.	9. Midlands, N. Derby. Yorkshire, W.	12. Scotland, S.W., and Isle of Man. Isle of Man. Dumfries. Kirkcudbright. Wigtown. Ayr. Lanark. Renfrew. Dumbarton. Stirling.	14. Mid Scotland. Perth.	17. Ireland, N.W. Galway. Roscommon. Mayo. Sligo. Leitrim.	20. Ireland, S.W. Cork. Kerry. Limerick. Tipperary. Clare.
3. Midlands, E. Buckingham. Oxford. Northampton. Warwick. Leicester. Rutland. Nottingham.	7. Wales, N. Montgomery. Merioneth. Flint. Denbigh. Carnarvon. Anglesey.	10. England, N.E. Yorkshire, N. & E. Durham. Northumberland.	15. Scotland, N.E. Kincardine. Aberdeen. Banff. Elgin. Nairn. Caithness. Eastern parts of Inverness, Ross, Sutherland.	18. Ireland, N.E. Meath. West Meath. Longford. Cavan. Fermanagh. Monaghan. Louth. Armagh. Down. Antrim. Londonderry. Tyrone. Donegal.		

## 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 louvered screen placed against the north wall of the observatory. The thermometer bulbs are at a height of 10 feet above the ground immediately surrounding the building. This ground is raised a few feet above the general level of the Old Deer Park in which the observatory stands.

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

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

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

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

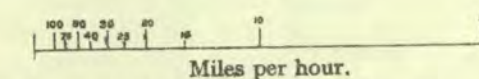
The wind at a height of 1,500–2,000 feet above ground usually blows along the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, e.g., for isobars 1 inch apart for the chart on Page 2 the speed of the upper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

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

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

## GEOSTROPHIC WIND SCALE FOR

8 mb isobars on 1:4 × 10<sup>7</sup> Charts.  
or 2 mb " " 1:10<sup>7</sup> " "



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 formulae:—

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

$$x = f - .444(t - t') \text{ for wet bulb readings above } 32^\circ \text{ F.}$$

$$x = f - .400(t - t') \text{ for wet bulb readings below } 32^\circ \text{ F.}$$

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

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

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

The entries in the British Section of the Report for the stations in the main tables on pages 1 and 4 are compared with those in the returns received from the stations at the end of the month and errors in the Report so found are noted.

**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," (2nd Edition, 1930), to be purchased from H.M. Stationery Office, York House, Kingsway, W.C.2, price 3s. 2d. post free. (Reprinted 1938.)

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



Unsettled and generally wet, unseasonably cool.

The persistence of cyclonic systems giving rainy and cool conditions, was the outstanding feature of the month. During the first three days high pressure prevailed to the West, then, onwards throughout the month, depressions travelled over or remained in close proximity to the British Isles giving generally unsettled weather.

With the exception of a few districts, rainfall was everywhere above the average and precipitation was reported on every day from some part of the country. Although mainly of a showery type, rain was widespread on a number of occasions with some heavy falls locally. The highest previous recorded amounts for the month were exceeded at Lympne and Shoeburyness with 129mm and 93mm respectively as compared with 127mm in 1935 and 89mm in 1931. Croydon, with 100mm and Cranwell with 93mm, were only 6mm below their previous highest recorded values. Among the outstanding daily falls of rain were 27mm at Kew on the 4th, 29mm at Abbotsinch and 25mm at Eskdalemuir on the 15th, 31mm at Kew and 30mm at South Farnborough on the 17th, 32mm at Manchester on the 21st, 31mm at Falmouth and 25mm at Scilly on the 22nd, 34mm at Cranwell and 33mm at Ross-on-Wye and Birmingham on the 23rd and 39mm at Eskdalemuir on the 27th.

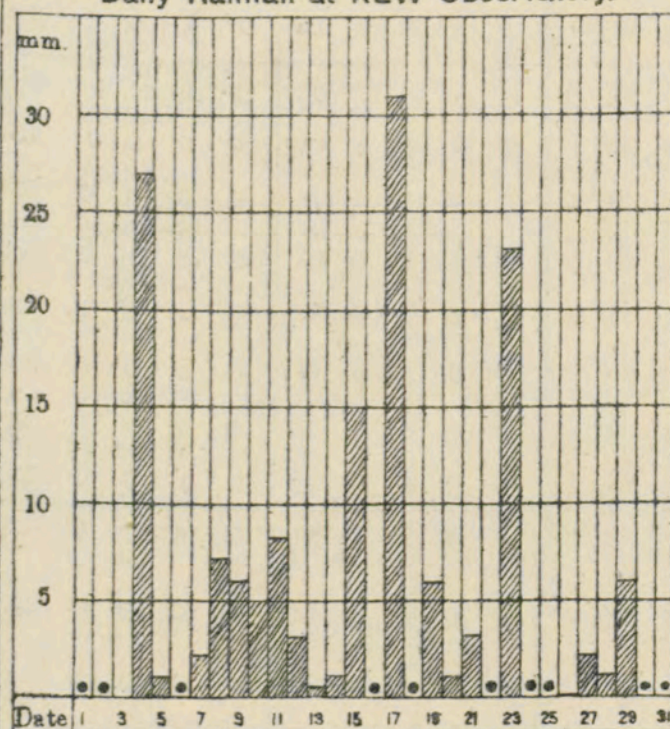
Except for the first few days and on the last day of the month maximum temperatures seldom reached or exceeded 70°F. The highest maximum, 80°F was recorded at Birr Castle on the 1st. The mean temperature of the month was generally low.

Sunshine, with the exception of Southwest Ireland was generally about or below normal, the greatest deficiency being in Southeast England and North Scotland.

Thunderstorms were frequent throughout the month, being reported on fifteen occasions; they were however, mainly local except on the 20th when many districts were affected.

Gales were reported at exposed places on 6th, 13th, and 27th, and local fog occurred on twenty-seven occasions during the month.

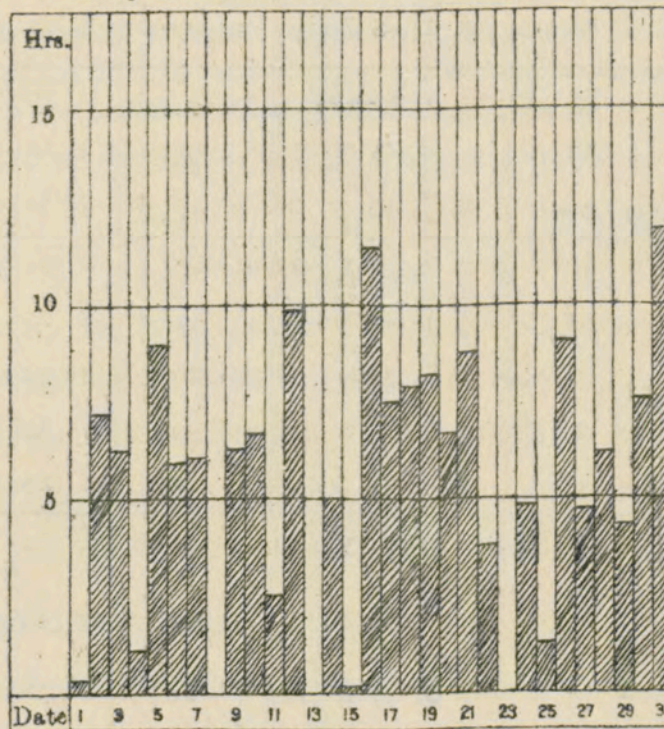
Daily Rainfall at KEW Observatory.



• = Less than 0.5 mm.

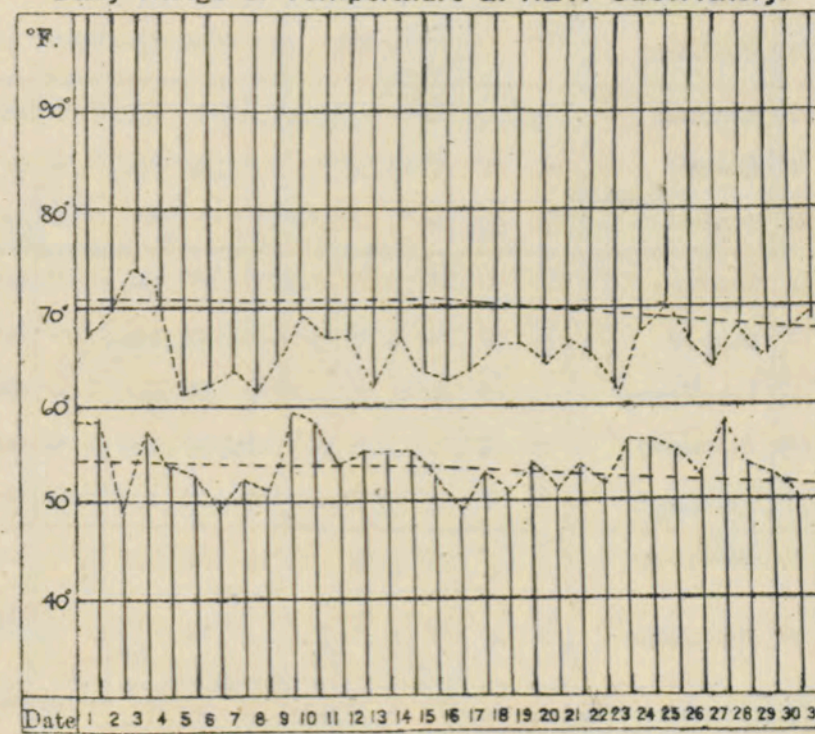
RAINFALL Total for Month. 149.3 mm.

Daily Sunshine at KEW Observatory



SUNSHINE Total for Month. 170.2 hrs.

Daily Range of Temperature at KEW Observatory.



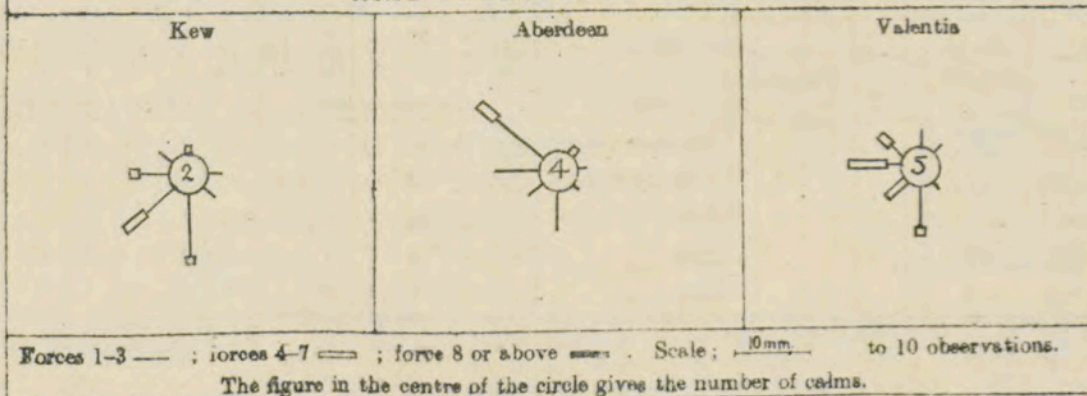
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.\*

STATIONS.	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
Kew	mb. 1011.0	mb. -4.3	°F. 60	°F. -2.7
Aberdeen	1006.4	-5.1	55	-1.7
Valentia	1012.7	-2.0	57	-1.8

\*Pressure—The mean is for the 24 hours. It is derived from values at 7 h. and 19 h. duly corrected.  
Temperature—mean of Max. and Min.

WIND FREQUENCIES AT 7 hr.



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

	miles.
Kew ...	6431
Aberdeen ...	4392
Lerwick ...	9458
Valentia ...	—



## SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

DISTRICT.	STATIONS.	↑ TEMPERATURE.														LOW CLOUD.						FOG, MIST and GOOD VISIBILITY.															
		Number of daily readings within fixed limits.										Extreme—Warmest and Coldest.				Number of observations within fixed limits.						Number of observations within fixed limits.															
												Days.																Nights.									
		Maximum.					Average Maximum.	Minimum.					Average Minimum.	Highest Max.		Lowest Min.		Number of Ground Frosts.	7 h.		13 h.		18 h.		7 h.			13 h.									
		42°-50°	51°-59°	60°-68°	69°-77°	78°-86°		33°-41°	42°-50°	51°-59°	60°-68°	69°-77°		Highest Max.	Lowest Max.	Highest Min.	Lowest Min.		Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.			
1	London ... (Kew Obsy). Croydon ... Thorney Island ... Lympne ...	0 0 25 6 0	0 0 20 11 0	0 0 23 8 0	0 0 28 2 0	70.5 70.1 68.6 67.9	0 3 28 0 0	0 6 25 0 0	0 6 25 0 0	0 13 18 0 0	55.0 54.0 55.5 53.6	74 3 61 23	76 3 60 23	74 4 62 13	71 4 59 8	59 10 49 3 58 10 43 7 59 15 44 21 58 10 42 7	0	0 28 0	0 30 0	1 29 0	0 0 0 0 14	0 0 0 0 27	9 16 1	4 26 0	5 24 0	0 0 1 0 20	0 0 0 0 26	6 23 0	2 27 2	1 26 1	0 0 1 0 21	0 0 0 0 27	10 16 1	7 24 0	6 21 3	0 1 1 3 17	0 0 2 1 25
2	Shoeburyness ... Gorleston ... Cranwell ...	0 0 16 15 0	0 0 30 1 0	0 0 22 7 0	71.0 68.0 68.9	0 3 28 0 0	0 4 27 0 0	0 15 16 0 0	54.1 55.0 51.7	75 4 60 8 72 4 62 23 74 3 58 23	59 10 46 7 58 25 46 7 57 10 44 7	0	5 17 2	3 28 0	3 23 0	0 0 0 1 16	0 0 0 0 30	6 17 0	0 31 0	1 28 0	0 0 0 0 17	0 0 0 0 27	7 16 0	4 27 0	5 22 0	0 0 1 1 13	0 0 0 2 23										
3	Birmingham ... (Edgbaston)	0 2 24 5 0	0 1 24 6 0	0 1 27 3 0	67.7 68.5 *	0 16 15 0 0	0 11 20 0 0	0 2 29 0 0	52.9 52.6 *	75 2 55 23 77 3 59 5 75 3 59 13	57 1 47 31 57 4 42 31 58 2 48 7	0	5 19 0	2 28 0	2 27 0	0 0 0 6 16	0 0 0 1 26	5 22 0	2 29 0	2 29 0	0 0 0 1 21	0 0 0 0 26	7 24 0	2 29 0	4 26 0	0 2 3 3 23	0 2 0 1 27										
7	Holyhead ...	0 2 28 1 0	0 3 22 5 1	0 6 24 1 0	63.0 67.1 63.8	0 8 23 0 0	0 8 22 1 0	0 7 24 0 0	55.1 51.9 53.1	76 1 59 15 79 1 55 15 72 3 56 1	57 1 44 24 31 6 4 43 31 56 4 46 7	0	4 26 0	6 20 2	4 26 0	0 0 0 1 27	0 0 0 0 27	1 28 1	3 28 0	4 25 1	0 0 1 3 17	0 0 0 1 25	2 24 0	0 31 0	0 30 0	0 0 1 1 9	0 0 0 0 20										
11	Leuchars ...	0 2 25 4 0	0 4 24 2 1	0 13 16 2 0	64.5 64.3 62.1	0 18 13 0 0	0 17 13 1 0	5 20 6 0 0	49.4 50.0 47.5	77 2 57 9 79 1 58 16 73 2 56 16	58 15 44 8 61 1 43 31 58 1 38 31	0	2 27 1	0 31 0	1 29 0	0 0 1 0 23	0 0 0 0 30	6 22 0	5 25 1	7 23 0	0 0 0 5 20	0 0 0 1 27	13 15 0	3 28 0	7 24 0	0 0 3 0 14	0 0 0 0 26										
12	Renfrew ...	0 4 24 2 1	0 13 16 2 0	0 18 13 0 0	64.5 64.3 62.1	0 17 13 1 0	5 20 6 0 0	49.4 50.0 47.5	77 2 57 9 79 1 58 16 73 2 56 16	58 15 44 8 61 1 43 31 58 1 38 31	0	2 27 1	0 31 0	1 29 0	0 0 1 0 23	0 0 0 0 30	6 22 0	5 25 1	7 23 0	0 0 0 5 20	0 0 0 1 27	13 15 0	3 28 0	7 24 0	0 0 3 0 14	0 0 0 0 26											
13	Stornoway ...	0 18 13 0 0	0 8 22 1 0	0 6 24 1 0	60.3 62.8 *	0 10 21 0 0	0 22 9 0 0	50.0 50.7 *	62 2 54 13 69 2 56 9 54 28 42 9	55 3 43 9 54 28 42 9 54 28 42 9	0	1 30 0	1 30 0	1 30 0	0 0 0 0 29	0 0 0 0 31	4 24 1	2 29 0	2 29 0	0 0 0 2 20	0 1 0 0 20																
15	Aberdeen ...	0 8 22 1 0	0 3 25 2 1	0 15 16 0 0	62.8 65.1 63.1	0 22 9 0 0	0 15 16 0 0	0 6 25 0 0	50.7 51.3 54.5	69 2 56 9 80 1 60 5 72 1 58 6	54 28 42 9 57 4 44 30 59 31 47 18	0	4 24 1	2 29 0	2 29 0	0 0 0 2 20	0 1 0 0 20	10 21 0	2 28 1	3 27 0	0 0 0 1 22	0 0 0 0 29	7 24 0	6 25 0	1 28 1	0 0 1 0 25	0 0 0 0 28										
18	Aldergrove ...	0 3 25 2 1	0 0 26 4 1	0 3 27 1 0	63.0 65.1 63.1	0 8 23 0 0	0 14 17 0 0	0 6 25 0 0	55.1 51.3 54.5	76 1 59 15 80 1 60 5 72 1 58 6	57 1 44 24 31 57 4 44 30 59 31 47 18	0	4 26 0	6 20 2	4 26 0	0 0 0 1 27	0 0 0 0 27	1 28 1	3 28 0	4 25 1	0 0 1 3 17	0 0 0 1 25	2 24 0	0 31 0	0 30 0	0 0 1 1 9	0 0 0 0 20										
19	Birr Castle ...	0 2 25 4 0	0 4 24 2 1	0 13 16 2 0	64.5 64.3 62.1	0 18 13 0 0	0 17 13 1 0	5 20 6 0 0	49.4 50.0 47.5	77 2 57 9 79 1 58 16 73 2 56 16	58 15 44 8 61 1 43 31 58 1 38 31	0	2 27 1	0 31 0	1 29 0	0 0 1 0 23	0 0 0 0 30	6 22 0	5 25 1	7 23 0	0 0 0 5 20	0 0 0 1 27	13 15 0	3 28 0	7 24 0	0 0 3 0 14	0 0 0 0 26										
20	Valentia ... (Cabirciveen)	0 2 25 4 0	0 4 24 2 1	0 13 16 2 0	64.5 64.3 62.1	0 18 13 0 0	0 17 13 1 0	5 20 6 0 0	49.4 50.0 47.5	77 2 57 9 79 1 58 16 73 2 56 16	58 15 44 8 61 1 43 31 58 1 38 31	0	2 27 1	0 31 0	1 29 0	0 0 1 0 23	0 0 0 0 30	6 22 0	5 25 1	7 23 0	0 0 0 5 20	0 0 0 1 27	13 15 0	3 28 0	7 24 0	0 0 3 0 14	0 0 0 0 26										

## UPPER AIR TEMPERATURE.

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

Pressure. mb.	Normal Height. Feet.	MILDENHALL.			ALDERGROVE.			STATION		LYMPNE.						PLYMOUTH (Mt. Batten).						HOLYHEAD (VALLEY)						RENFREW.						STATION.	
		Normal Temp. °F.	Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.	Height. Metres.	No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Height. Metres.	
950	1830	57.3	54.8	62	53.1	62			500 above ground.	85	19	49	14	1	0	43	13	23	5	0	0	25	5	17	3	0	0	88	36	43	3	0	0	500 above ground.	
850	4850	46.7	44.9	62	43.0	62			1000 above M.S.L.	70	12	38	16	2	0	35	11	17	6	0	0	17	5	8	3	0	0	65	26	34	5	0	0	1000 above M.S.L.	
750	8200	37.6	35.0	62	34.1	62			2000 " "	43	9	26	7	1	0	17	6	8	3	0	0	10	3	7	0	0	0	21	11	10	0	0	0	2000 " "	
650	11940	26.7	25.9	62	23.7	62			3000 " "	16	3	11	1	1	0	10	0	7	3	0	0	4	0	3	0	0	1	7	1	6	0	0	0	3000 " "	
550	16200	12.4	11.6	62	9.8	62			4000 " "	5	0	4	0	0	1	8	0	4	3	1	0	1	0	1	0	0	0	2	1	1	0	0	0	4000 " "	

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

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

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



# SUNSHINE, RAINFALL, AND HUMIDITY

August 1941.

Page 3.

DISTRICT.	STATIONS.	SUNSHINE.												RAINFALL.														Days with Thunder.	Days with Snow or Sleet.							
		Number of Days with Duration.				Maximum Duration.		Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	Highest and Lowest Totals on record for Month.			† Number of days with amount.	Maximum fall in 24 hrs.		Total for past 12 months.	Difference from Average.	Total for Month.†	Difference from Average.	Highest and Lowest Totals on record for Month.														
		Nil.	0-1-3h.	3-1-6h.	6-1-9h.	Above 9h.	Hours.					Date.	First year of record.	Highest.		Year.	Lowest.					Year.	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.	mm.	Date.	mm.	mm.	First year of record.	Highest.
					Hours.	Hours.	Hours.	Hours.	Hrs.	Hrs.																										
1	London ...	8	5	6	14	3	11-9	31	1421	-48	170	-13	1880	262	1899	109	1912	11	4	7	5	2	2	31	17	882	+276	150	+93	1856	165	1878	2	1940	3	0
	(Kew Obsy).																																			
	Croydon ...	3	5	5	12	6	12-1	31	1491	-34	185	-8	1922	260	1923	136	1931	9	4	11	7	0	0	12	23	857	+78	100	+41	1921	106	1931	0-5*	1940	1	0
	Thorney Island:	Not recorded.												1881	284	1933	121	1912	8	7	10	5	1	0	16	15	*	*	88	+28	1871	149	1912	0	1940	0
	Lympne ...	4	4	7	10	6	12-8	16	1681	-84	177	-36	1921	283	1933	167	1925	7	7	7	8	2	0	24	15	883	+159	129	+70	1920	127	1935	2	1940	3	0
2	Shoeburyness ...	4	2	11	9	5	11-3	16	1570	-46	171	-40	1919	263	1933	167	1936	12	3	9	6	1	0	15	23	603	+100	93	+48	1920	89	1931	4	1940	3	0
	Gorleston ...												1908	249	1923	116	1912	10	6	8	5	2	0	19	23	676	+54	106	+43	1871	208	1912	7	1937	5	0
	Cranwell ...	0	6	12	9	4	11-5	28	1445	-93	174	-11	1921	225	1933	139	1925	10	5	12	3	0	1	34	23	780	+190	93	+24	1917	99	1917	11	{1937 1940}	2	0
3	Birmingham ...	1	10	6	10	4	11-8	31	1242	-62	157	-6	1887	247	1899	85	1896	7	4	12	7	0	1	33	23	954	+280	111	+42	1893	173	1912	6	1940	2	0
4	(Edgbaston)																																			
	Ross-on-Wye ...	2	7	6	8	6	12-3	31	1422	-63	179	+7	1915	244	1933	107	1922	10	10	6	4	0	1	33	23	831	+114	84	+19	1859	202	1878	4	1936	0	0
5	Falmouth ...	1	6	9	5	10	13-5	2	1746	+36	196	0	1881	297	1899	104	1912	11	3	8	7	1	1	31	22	1280	+173	138	+55	1871	267	1912	4	1940	0	0
	(Observatory)																																			
7	Holyhead (Valley)												1914	212	1914	139	{1920 1921}	11	9	6	5	0	0	15	9	837	-50	67	-14	1871	227	1917	14	1940	0	0
8	Chester ...	3	5	12	9	2	12-3	18	1392	+16	159	0	1928	193	1926	125	1924	10	5	12	4	0	0	12	9	759	+121	73	+3	1922	150	1931	12	1940	0	0
	(Sealand)																																			
10	Tynemouth ...								*	*	*		1935	*	*	*	*	14	3	10	3	0	0	10	{15 23}	765	+144	65	-5	1915	138	1917	24	1918	4	0
11	Leuchars ...	1	11	9	7	3	12-1	14	1204	-266	138	-17	1922	202	1933	102	1924	8	6	12	5	0	0	15	15	761	+108	71	-7	1922	192	1930	9	1932	2	0
12	Renfrew ...	1	12	9	6	3	13-7	7	1113	-80	137	+8	1921	165	1926	93	1932	11	4	9	6	0	1	29	15	1005	+66	101	+9	1921	149	1929	28	1932	0	0
	Eskdalemuir ...	2	12	8	6	3	10-4	7	1132	-69	129	+8	1910	197	1911	44	1912	7	5	7	9	2	1	39	27	1433	+4	182	+51	1910	262	1923	46	1931	1	0
13B	Stornoway	4	14	10	2	1	12-0	15	1203	-12	85	-43	1881	262	1899	83	1935	4	4	13	9	1	0	18	14	995	-271	132	+31	1870	217	1903	18	1880	0	0
15	Aberdeen ...	2	8	15	2	4	12-5	23	1197	-132	139	-1	1881	199	1938	67	1912	8	7	7	7	2	0	24	13	909	+161	122	+52	1871	176	1877	19	1899	6	0
18	Aldergrove ...	3	14	9	4	1	13-6	1	1116	*	113	*	1927	182	1931	103	1934	8	4	9	10	0	0	15	12	899	+61	110	+19	1926	155	1929	17	1940	1	0
19	Birr Castle ...	1	9	11	8	2	10-1	5	1158	-148	133	-4	1881	236	1899	70	1894	9	7	8	7	0	0	13	7	870	+43	79	-18	1862	229	1917	13	1940	0	0
20	Valentia ...	1	9	7	7	7	11-5	18	1442	+74	246	+98	1880	270	1899	87	1894	7	9	9	4	2	0	23	7	1478	+64	101	-21	1866	220	1928	10	1940	1	0
	(Cahiriveen)																																			

MINIMUM SURFACE HUMIDITY.											STATE OF GROUND AT 18 h.													
No. of Days (MDT. to MDT.) WITH MINIMA BETWEEN FIXED LIMITS.											No. of Days Each Type WAS RECORDED.													
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 %	STATIONS.	0	1	2	3	4	5	6	7	8	9	CODE for State of Ground.		
London (Kew)	0	0	3	3	6	12	6	1	0		London (Kew)	0	31	0	0	0	0	0	0	0	0	0	0	Dry.
Ross-on-Wye ...	0	1	1	3	8	15	3	0	0		Ross-on-Wye	14	17	0	0	0	0	0	0	0	0	0	0	1 Wet.
Falmouth (Obey.)	2	4	6	13	6	0	0	0	0		Renfrew ...	11	20	0	0	0	0	0	0	0	0	0	0	2 Flooded.
Renfrew ...	0	0	1	5	10	11	3	1	0		Eskdalemuir	10	21	0	0	0	0	0	0	0	0	0	0	3 Frozen hard and dry.
Eskdalemuir ...	0	0	0	5	14	9	2	1	0		Aberdeen ...	6	25	0	0	0	0	0	0	0	0	0	0	4 Partly covered with snow or hail.
Aberdeen ...	0	1	5	1	8	12	4	0	0		Valentia ...													5 Covered with ice or glazed frost.
Valentia ...																								6 Covered with thawing snow.
																								7 Covered with snow, less than 6 ins., but ground not frozen.
																								8 Covered with snow, less than 6 ins., and ground frozen.
																								9 Covered with snow, greater than 6 ins. deep.

\* Recorded at Addington.

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

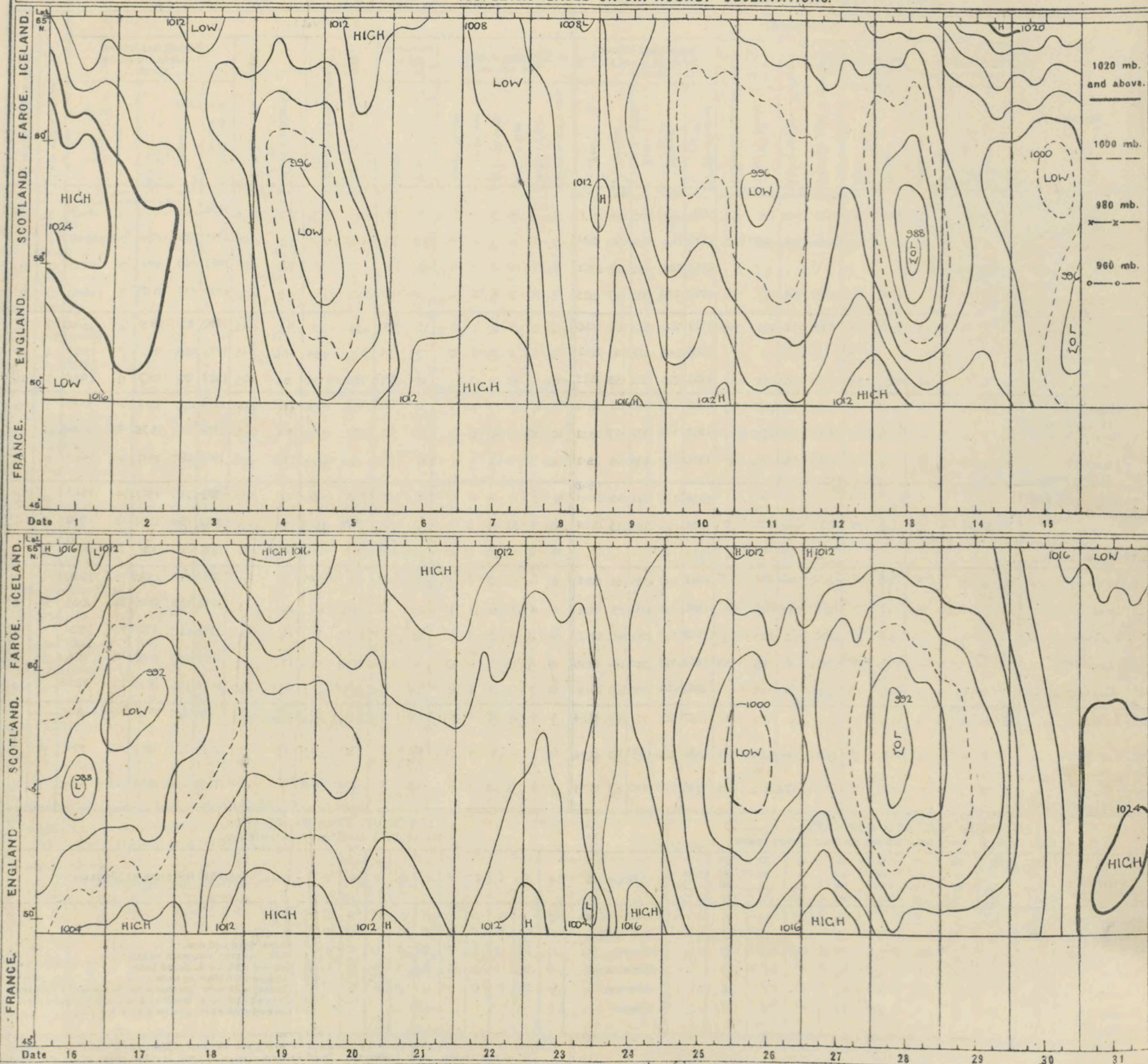


## PRESSURE: ICELAND TO GULF OF LIONS

August

1941

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



\* The diagram is obtained by drawing a line from Akureyri in Iceland to a point 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 19h. 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.



# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

AIR  
MINISTRY.

**SECRET**  
BRITISH SECTION  
Friday 1st August 1941.  
No. 29107

OBSERVATIONS at 13h. G.M.T. 31st July														OBSERVATIONS at 18h. G.M.T. 1st August														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				Dir.	Force.					Form.	Amount.	Height of Base. (feet)	Dir.	Force.			Form.	Amount.					Height of Base. (feet)	Dir.	Force.	Form.	Amount.			Height of Base. (feet)	Dir.					Force.	Form.	Amount.	Height of Base. (feet)	7h.—13h. 31st	13h.—18h. 1st	18h.—1st 1st	1h.—7h. 1st																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
																																												0-12	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10

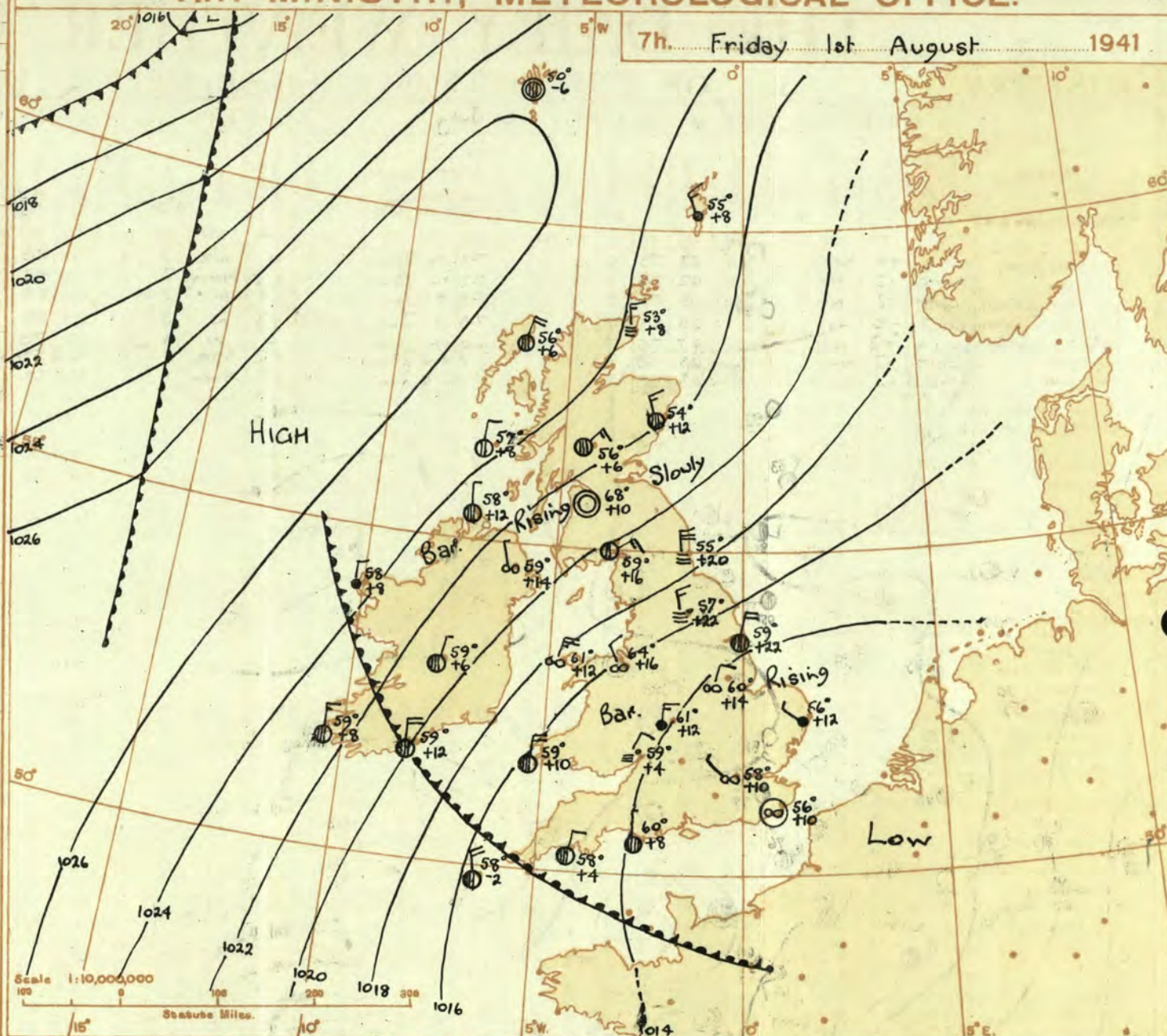


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 3h. G.M.T.	13h. G.M.T.	01h. G.M.T. 1st August	07h. G.M.T.
III. C. wwVhN DDFWN	C. C. wwVhN DDFWN	C. C. wwVhN DDFWN	C. C. wwVhN DDFWN
10957 02831 32324	-- 48309 32349	-- 57309 32449	5- 03738 32328
115- 48100 42559	-- 46109 06349	-- 44109 08249	
203	5- 03738 06448	5- 03738 04348	
206 570 2055 28128	57 02966 30227	5- 02864 32225	5- 02859 02128
210 5- 02758 28358	57 02754 01326	5- 52528 02458	5- 02628 01358
220 87 02846 30317	80 02737 31327		53 02845 30427
230	84 01964 02414	5- 05863 04113	04 05890 00014
245 87 01854 30555	52 02836 04318	00 05690 31400	84 01863 63415
260 57 02867 28118	52 02756 02128	5- 05667 26267	10 00751 09112
277			
279 87 02756 21227	57 02747 02268		70 01743 05313
285 23 02745 32527			23 02635 04527
288 5- 51648 31358	5- 67338 31368	-- 48209 32449	5- 47328 32348
273			
3012+ 02754 28325	57 64556 30368	50 05641 30301	00 00690 02400
321 62 61536 30268	62 61526 30268	5- 05638 30428	5- 05638 31458
299 6- 64538 28458	-- 57209 28459	-- 57009 32459	57 05535 26516
292 02 64528 32368	52 05636 32368	5- 02738 32328	5- 05627 31327
310			-- 46109 32549
314 6- 52438 30368	02 64458 32258	02 61448 32368	5- 05655 04235
333 5- 02747 03327	57 25951 30487	5- 01744 32464	53 01741 02311
334 -- 02765 28326			-- 03548 04428
340 5- 31658 32388	62 52636 28388	5- 05648 30258	5- 05635 02357
136 52 61845 32407	5- 52638 32368	5- 51528 04168	5- 21837 00057
336 13 02663 28326	53 02763 32316		52 22763 32368
350 5- 54528 28368	62 51636 30258	5- 64408 28168	5- 05528 02168
368			
379 83 25645 30887	62 52537 32368	6- 05443 30358	6- 57308 30268
390 67 62645 28388	67 02745 32368	5- 05547 30128	57 05635 06128
382 57 05664 32328	62 21634 31358	52 05646 29228	52 21536 00058
438 6- 10748 32228			53 02658 32217
430 27 05665 32227	87 05656 32328	50 05653 00013	
409 20 02846 32286	50 02946 31326	02 61668 32368	62 51627 31358

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 1st August, 1941.

1 S.E. England	Light or moderate N. or N.E. wind. Dull with local drizzle. Cloud persisting on east coast. Some bright intervals inland this afternoon and evening but cloud forming again tonight. Average temperature inland. Rather cool on east coast.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Moderate N. or N.E. wind. Fair with some bright periods. Average temperature.
6 South Wales ...	
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.	
13 A. W. Scotland	As 5-8.
13 B. N.W. Scotland	
14 Mid Scotland	Light N.E. to variable wind. Dull with occasional drizzle, and some coast and hill fog. Some bright periods later. Average temperature.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	As 5-8.
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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.

GENERAL INFERENCE.

Pressure is low to the S.E. of the British Isles while a ridge of high pressure lying between Scotland and Iceland is spreading slowly southeastwards. In eastern districts it will be persistently dull with some local drizzle and patches of coast fog. Elsewhere it will be fair with some bright periods.

FURTHER OUTLOOK.

Fair in most districts.

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

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

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

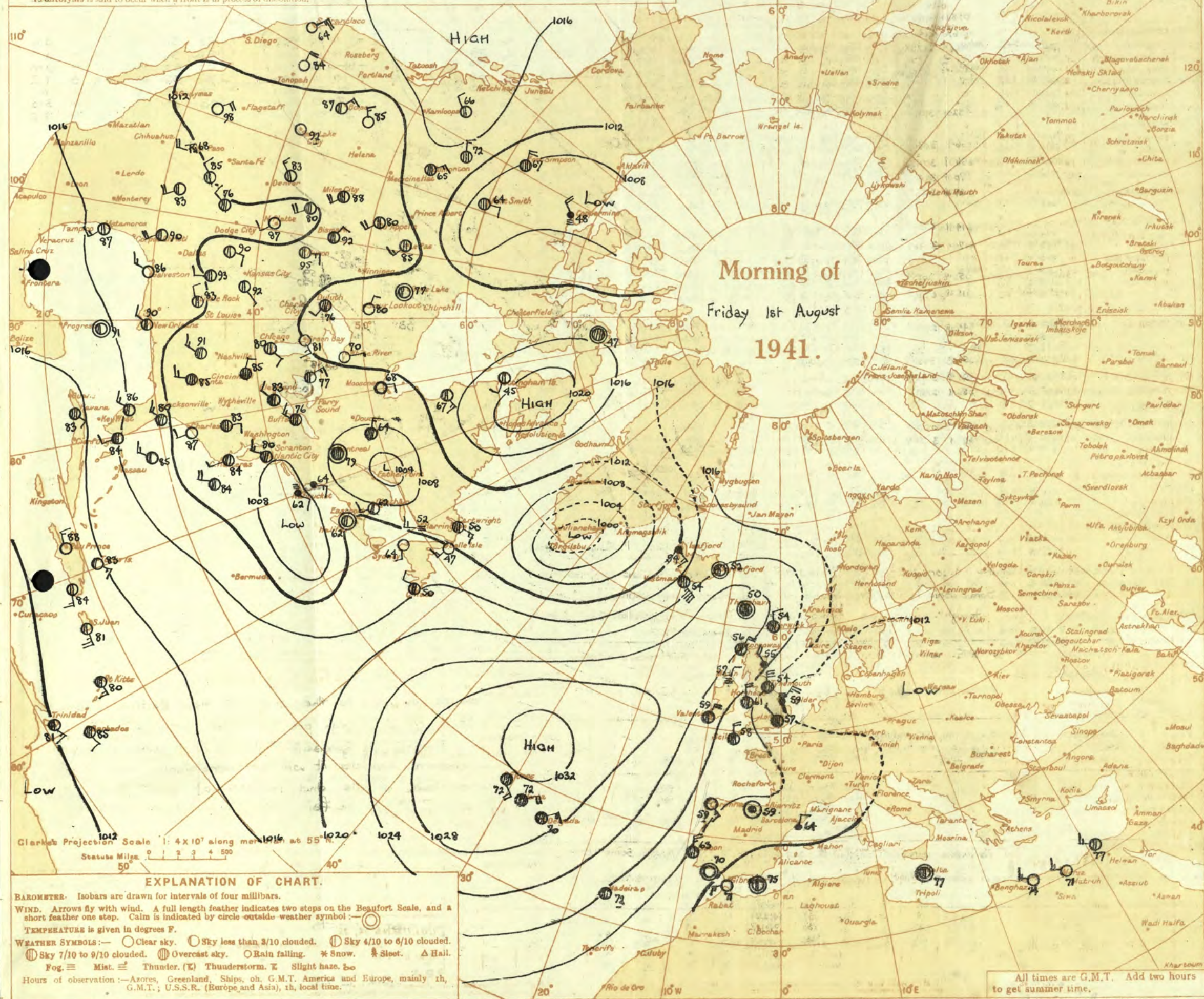
C.269/4040. No. 8/76. D. 6034. Sp. 348. 3302. 5/41



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.  
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Friday 1st August 1941.  
 No. 29,107.

OBSERVATIONS at 1 hr. G.M.T. 1st August														OBSERVATIONS at 7 hr. G.M.T. 1st August														PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				Sea. 0-9	TEMPERATURE.			RAINFALL.		SUNSHINE 31st Hrs.				
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.			Force.	Form.					Amount.	Height of Base (feet).	State of Ground. 0-9	Max. Day 7h-18h °F.		Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.						
															Low.												Med.					High.		Low 0-10.	Total 0-10.	Low.	Med.
1	London (Kew) ...	18	1012.5	+2	NW	1	N	57	82	5	-	-	-	1013.8	+12	-	0	2	59	85	5	-	-	-	10	10	1013.8	63	58	56	Tr	-	0.4				
	Croydon ...	217	1012.5	+2	NW	1	N	57	82	5	-	-	-	1013.6	+10	NW	1	58	87	5	-	-	-	10	10	1013.6	66	56	56	0.4	-	0.7					
	S. Farnborough ...	226	1012.7	-2	NW	2	N	58	82	6	-	-	-	1013.7	+10	-	0	58	82	6	-	-	-	10	10	1013.7	67	57	56	Tr	-	0.8					
	Boscombe Down ...	417	1013.4	-4	NW	2	N	57	82	6	-	-	-	1014.0	+6	NNW	1	58	87	4	-	-	-	10	10	1014.0	66	56	56	0.5	3	1.2					
	Cashot (Sutton) ...	8	1012.9	-2	NW	1	N	58	82	6	-	-	-	1013.5	+8	-	0	59	82	6	-	-	-	10	10	1013.5	69	55	48	0.2	-	*					
	Lympe ...	346	1012.7	-2	N	0	N	54	87	5	-	-	-	1014.3	+10	-	0	56	87	6	-	-	-	Tr	9	2500	66	49	44	4	-	3.0					
	Manston ...	154	1011.5	+2	N	2	N	59	87	6	-	-	-	1013.2	+6	NNW	1	60	85	6	-	-	-	2-3	2	1200	66	57	55	12	Tr	5.8					
2	Shoeburyness ...	11	1011.2	+2	NNW	1	N	58	87	6	-	-	-	1013.8	+12	NNW	1	59	85	5	-	-	-	10	10	2500	66	56	51	0.1	-	2.8					
	Felixstowe ...	15	1011.2	+2	NNW	1	N	58	87	6	-	-	-	1013.2	+14	N	1	57	87	6	-	-	-	Tr	2	2500	66	55	53	0.1	Tr	1.5					
	Gorleston ...	5	1011.8	+4	N	0	N	58	82	6	-	-	-	1013.5	+12	NW	1	56	82	6	-	-	-	2	2	2500	64	56	53	1	Tr	*					
	Mildenhall ...	19	1011.7	+2	NW	2	N	57	87	5	-	-	-	1013.6	+14	NW	1	57	87	6	-	-	-	2	2	1100	65	57	55	1	Tr	1.0					
	Cranwell ...	240	1012.2	-2	N	2	N	58	87	5	-	-	-	1013.6	+14	NNE	2	59	87	6	-	-	-	10	10	400	57	57	56	0.3	4	0.0					
3	Birmingham ...	535	1012.7	-2	NNW	2	N	57	87	5	-	-	-	1014.4	+12	NNE	3	61	82	4	-	-	-	10	10	800	62	57	56	3	3	0.2					
	Upper Heyford ...	408	1012.7	-2	NNW	2	N	57	87	5	-	-	-	1013.3	+6	NE	1	58	87	4	-	-	-	10	10	400	61	56	56	1	1	*					
4	Ross-on-Wye ...	223	1012.7	-2	NNW	2	N	57	87	5	-	-	-	1013.5	+4	NE	2	59	87	4	-	-	-	10	10	800	67	57	56	3	5	1.7					
5	Hartland Point ...	299	1014.6	-2	N	3	N	57	82	8	-	-	-	1014.2	0	NNE	2	58	87	7	-	-	-	7-8	10	600	60	56	55	-	2	4.3					
	Bristol ...	209	1013.8	-4	N	0	N	58	87	6	-	-	-	1014.5	+10	-	0	58	87	4	-	-	-	10	10	400	66	57	57	2	5	1.1					
	Portland Bill ...	32	1013.4	+4	NW	1	N	58	82	7	-	-	-	1013.3	+8	N	1	60	82	7	-	-	-	10	10	1500	68	57	57	3	0.4	*					
	Plymouth ...	82	1015.1	-2	NNE	2	N	57	82	6	-	-	-	1014.8	+4	NNE	2	58	82	7	-	-	-	7-8	10	1200	67	57	56	Tr	0.4	*					
	The Lizard ...	240	1015.4	+2	N	4	N	57	82	8	-	-	-	1014.7	-4	NW	2	57	87	7	-	-	-	10	10	1500	68	55	*	0.2	Tr	8.0					
	Scilly (St. Mary's) ...	163	1016.7	+2	N	4	N	58	82	8	-	-	-	1015.9	-2	NW	4	58	82	7	-	-	-	10	10	1200	64	56	*	1	0.1	7.5					
	Guernsey ...	175	1016.7	+2	N	4	N	58	82	8	-	-	-	1015.9	-2	NW	4	58	82	7	-	-	-	10	10	1200	64	56	*	1	0.1	7.5					
6	Pembroke ...	142	1015.6	0	NE/E	3	N	58	87	7	-	-	-	1016.0	+10	NE	4	59	87	6	-	-	-	4-6	7-8	2500	61	56	*	-	-	1.4					
7	Holyhead (Valley) ...	26	1015.0	0	N	4	N	61	82	7	-	-	-	1016.8	+12	NNE	5	61	82	6	-	-	-	2-3	2-3	2500	63	57	56	-	Tr	*					
	Chester (Sealand) ...	16	1013.7	0	NW	3	N	62	82	6	-	-	-	1015.8	+16	NNW	2	64	85	6	-	-	-	7-8	7-8	1200	67	59	58	0.3	1	2.4					
8	Manchester ...	70	1013.8	+2	NW	1	N	62	82	7	-	-	-	1015.7	+18	NE/N	2	64	85	6	-	-	-	2	2	600	64	59	58	2	Tr	0.9					
10	Spurn Head ...	29	1011.5	-4	N/E	5	N	59	87	1	-	-	-	1014.6	+22	N/E	4	59	87	5	-	-	-	10	10	1500	59	56	*	3	1	0.0					
	Catterick ...	175	1015.5	+10	N/E	2	N	60	87	3	-	-	-	1018.8	+22	NW	3	61	87	4	-	-	-	10	10	400	61	*	*	1	1	0.0					
	Tynemouth ...	108	1015.7	+8	N	6	N	54	82	6	-	-	-	1018.3	+20	N	6	55	87	2	-	-	-	10	10	1150	58	(54)	53	4	0.3	*					
11	St. Abbs Head ...	280	1018.3	+10	N	3	N	55	87	1	-	-	-	1021.1	+16	N	4	57	87	3	-	-	-	10	10	1150	60	52	*	0.2	Tr	*					
	Leuchars ...	36	1018.7	+10	WNW	2	N	62	82	6	-	-	-	1021.0	+18	SE	2	61	82	8	-	-	-	1	1	3500	70	58	52	Tr	-	0.9					
12	Renfrew (Abbots I.) ...	19	1019.2	+10	NNW	1	N	66	85	6	-	-	-	1020.8	+10	-	0	68	75	7	-	-	-	1	1	0	73	61	54	-	-	6.6					
	Eskdalemuir ...	794	1017.0	+8	NE/N	3	N	62	82	7	-	-	-	1020.6	+16	NE/E	3	63	85	7	-	-	-	2-3	2-3	1500	65	58	58	Tr	0.2	4.2					
	Point of Ayre ...	30	1017.0	+8	NE/N	3	N	62	82	7	-	-	-	1019.2	+18	ENE	2	63	82	8	-	-	-	Tr	2-3	1600	65	59	*	-	Tr	7.9					
13A	Tiree ...	22	1021.3	+10	N	3	N	56	82	8	-	-	-	1022.6	+8	N/E	2	57	82	8	-	-	-	2-3	4-6	2800	(60)	55	*	-	-	7.1					
13B	Stornoway ...	80	1024.1	+12	NNE	4	N	56	87	7	-	-	-	1025.1	+6	NNE	4	56	82	7	-	-	-	7-8	10	1500	59	55	*	0.2	-	0.0					
15	Dalwhinnie ...	1176	1022.8	+10	N	3	N	53	87	3	-	-	-	1024.3	+8	N	3	53	87	6	-	-	-	10	10	700	65	53	52	Tr	Tr	1.2					
	Aberdeen ...	79	1022.5	+14	NNE	3	N	54	87	6	-	-	-	1023.2	+8	NNW	3	55	87	8	-	-	-	2	2	800	66	53	*	*	*	*					
16	Sumburgh ...	30	1022.5	+14	NNE	3	N	54	87	6	-	-	-	1023.2	+8	NNW	3	55	87	8	-	-	-	2	2	800	66	53	*	*	*	*					
17	Blacksod Point ...	18	1023.2	+6	N	3	N	57	87	7	-	-	-	1023.8	+8	N	4	58	87	7	-	-	-	10	10	800	60	56	*	Tr	0.2	*					
18	Malin Head ...	84	1021.4	+14	NE	2	N	57	87	2	-	-	-	1022.5	+12	N	1	58	82	7	-	-	-	4-6	7-8	800	60	55	*	Tr	-	2.6					
	Aldergrove ...	268	1012.7	+10	NNW	3	N	57	87	6	-	-	-	1021.3	+4	NNW	1	59	87	6	-	-	-	1	4-6	1200	65	55	48	-	-	6.8					
19	Birr Castle ...	173	1021.5	+2	N/E	4	N	59	85	8	-	-	-	1020.7	+6	NNE	1	59	82	8	-	-	-	4-6	9	2500	63	55	53	Tr	-	0.1					
20	Valentia Obay. ...	30	1021.2	+4	NW	4	N	57	82	8	-	-	-	1022.1	+8	N	3	59	85	8	-	-	-	10	10	2500	62	58	54	Tr	-	2.1					
	Roches Point ...	22	1019.2	+4	NW	4	N	57	82	8	-	-	-	1019.0	+12	N	4	59	85	8	-	-	-	2	2	2500	65	57	*	Tr	-	*					

LONDON OBSERVATIONS										EXPLANATION OF FIGURES, LETTERS, etc.			
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AIR  
MINISTRY.

## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET  
BRITISH SECTION

Sunday 2nd August 1941.

No. 29108

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

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

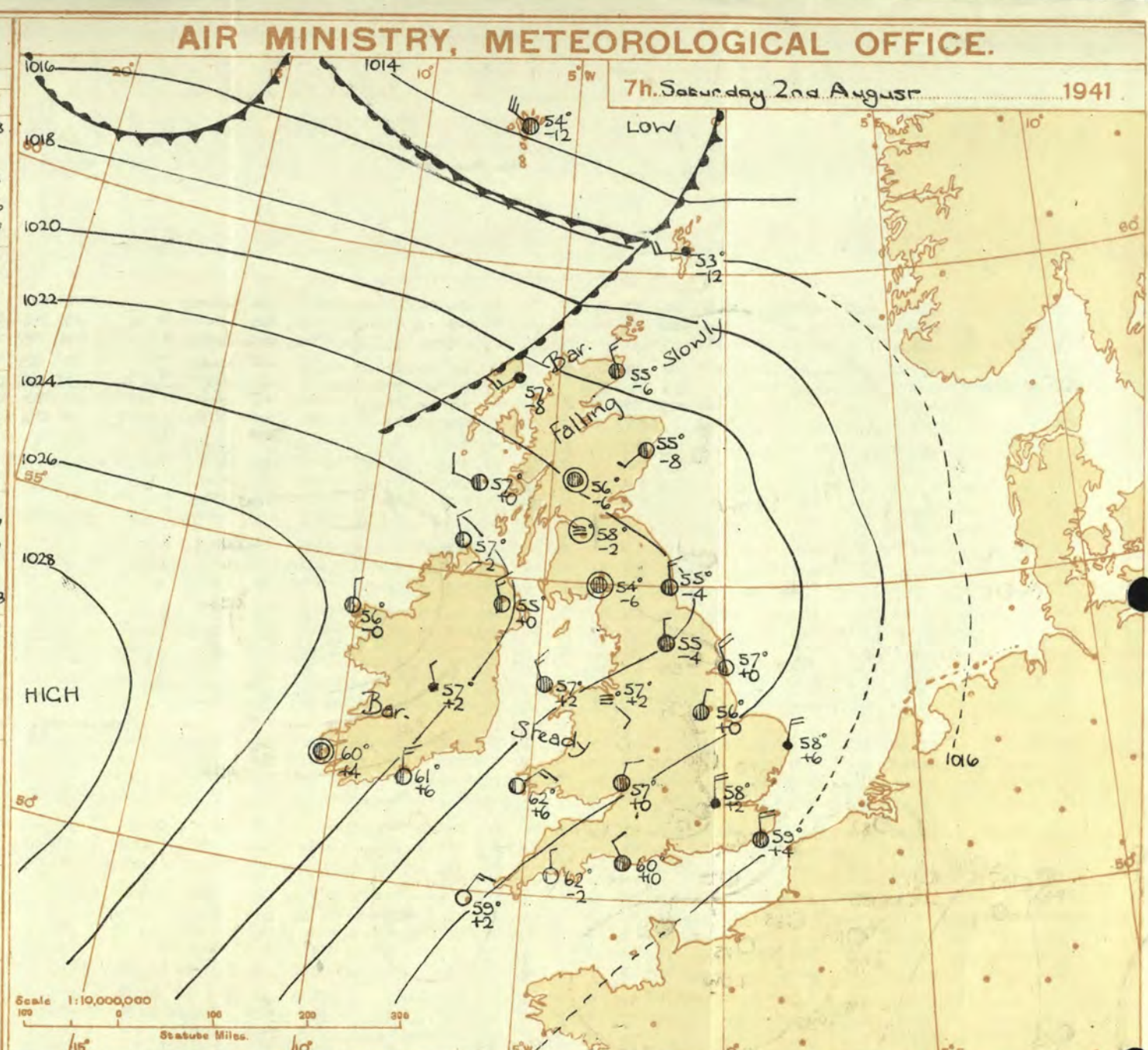
PAST 24 HOURS.

District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. (6)	Humid. (7)	0-9 (8)	Cloud.				Barom. at M.S.L. (15)	Change in 8 hours. (16)	Wind.		Weather.	Temp. (20)	Humid. (21)	0-9 (22)	Cloud.				Barom. at M.S.L. (25)	Change in 8 hours. (26)	Wind.		Weather.	Temp. (30)	Humid. (31)	0-9 (32)	Cloud.				Barom. at M.S.L. (35)	Change in 8 hours. (36)	Wind.		Weather.	Temp. (40)	Humid. (41)	0-9 (42)	Cloud.				Barom. at M.S.L. (45)	Change in 8 hours. (46)	Wind.		Weather.	Temp. (50)	Humid. (51)	0-9 (52)	Cloud.				Barom. at M.S.L. (55)	Change in 8 hours. (56)	Wind.		Weather.	Temp. (60)	Humid. (61)	0-9 (62)	Cloud.				Barom. at M.S.L. (65)	Change in 8 hours. (66)	Wind.		Weather.	Temp. (70)	Humid. (71)	0-9 (72)	Cloud.				Barom. at M.S.L. (75)	Change in 8 hours. (76)	Wind.		Weather.	Temp. (80)	Humid. (81)	0-9 (82)	Cloud.				Barom. at M.S.L. (85)	Change in 8 hours. (86)	Wind.		Weather.	Temp. (90)	Humid. (91)	0-9 (92)	Cloud.				Barom. at M.S.L. (95)	Change in 8 hours. (96)	Wind.		Weather.	Temp. (100)	Humid. (101)	0-9 (102)	Cloud.				Barom. at M.S.L. (105)	Change in 8 hours. (106)	Wind.		Weather.	Temp. (110)	Humid. (111)	0-9 (112)	Cloud.				Barom. at M.S.L. (115)	Change in 8 hours. (116)	Wind.		Weather.	Temp. (120)	Humid. (121)	0-9 (122)	Cloud.				Barom. at M.S.L. (125)	Change in 8 hours. (126)	Wind.		Weather.	Temp. (130)	Humid. (131)	0-9 (132)	Cloud.				Barom. at M.S.L. (135)	Change in 8 hours. (136)	Wind.		Weather.	Temp. (140)	Humid. (141)	0-9 (142)	Cloud.				Barom. at M.S.L. (145)	Change in 8 hours. (146)	Wind.		Weather.	Temp. (150)	Humid. (151)	0-9 (152)	Cloud.				Barom. at M.S.L. (155)	Change in 8 hours. (156)	Wind.		Weather.	Temp. (160)	Humid. (161)	0-9 (162)	Cloud.				Barom. at M.S.L. (165)	Change in 8 hours. (166)	Wind.		Weather.	Temp. (170)	Humid. (171)	0-9 (172)	Cloud.				Barom. at M.S.L. (175)	Change in 8 hours. (176)	Wind.		Weather.	Temp. (180)	Humid. (181)	0-9 (182)	Cloud.				Barom. at M.S.L. (185)	Change in 8 hours. (186)	Wind.		Weather.	Temp. (190)	Humid. (191)	0-9 (192)	Cloud.				Barom. at M.S.L. (195)	Change in 8 hours. (196)	Wind.		Weather.	Temp. (200)	Humid. (201)	0-9 (202)	Cloud.				Barom. at M.S.L. (205)	Change in 8 hours. (206)	Wind.		Weather.	Temp. (210)	Humid. (211)	0-9 (212)	Cloud.				Barom. at M.S.L. (215)	Change in 8 hours. (216)	Wind.		Weather.	Temp. (220)	Humid. (221)	0-9 (222)	Cloud.				Barom. at M.S.L. (225)	Change in 8 hours. (226)	Wind.		Weather.	Temp. (230)	Humid. (231)	0-9 (232)	Cloud.				Barom. at M.S.L. (235)	Change in 8 hours. (236)	Wind.		Weather.	Temp. (240)	Humid. (241)	0-9 (242)	Cloud.				Barom. at M.S.L. (245)	Change in 8 hours. (246)	Wind.		Weather.	Temp. (250)	Humid. (251)	0-9 (252)	Cloud.				Barom. at M.S.L. (255)	Change in 8 hours. (256)	Wind.		Weather.	Temp. (260)	Humid. (261)	0-9 (262)	Cloud.				Barom. at M.S.L. (265)	Change in 8 hours. (266)	Wind.		Weather.	Temp. (270)	Humid. (271)	0-9 (272)	Cloud.				Barom. at M.S.L. (275)	Change in 8 hours. (276)	Wind.		Weather.	Temp. (280)	Humid. (281)	0-9 (282)	Cloud.				Barom. at M.S.L. (285)	Change in 8 hours. (286)	Wind.		Weather.	Temp. (290)	Humid. (291)	0-9 (292)	Cloud.				Barom. at M.S.L. (295)	Change in 8 hours. (296)	Wind.		Weather.	Temp. (300)	Humid. (301)	0-9 (302)	Cloud.				Barom. at M.S.L. (305)	Change in 8 hours. (306)	Wind.		Weather.	Temp. (310)	Humid. (311)	0-9 (312)	Cloud.				Barom. at M.S.L. (315)	Change in 8 hours. (316)	Wind.		Weather.	Temp. (320)	Humid. (321)	0-9 (322)	Cloud.				Barom. at M.S.L. (325)	Change in 8 hours. (326)	Wind.		Weather.	Temp. (330)	Humid. (331)	0-9 (332)	Cloud.				Barom. at M.S.L. (335)	Change in 8 hours. (336)	Wind.		Weather.	Temp. (340)	Humid. (341)	0-9 (342)	Cloud.				Barom. at M.S.L. (345)	Change in 8 hours. (346)	Wind.		Weather.	Temp. (350)	Humid. (351)	0-9 (352)	Cloud.				Barom. at M.S.L. (355)	Change in 8 hours. (356)	Wind.		Weather.	Temp. (360)	Humid. (361)	0-9 (362)	Cloud.				Barom. at M.S.L. (365)	Change in 8 hours. (366)	Wind.		Weather.	Temp. (370)	Humid. (371)	0-9 (372)	Cloud.				Barom. at M.S.L. (375)	Change in 8 hours. (376)	Wind.		Weather.	Temp. (380)	Humid. (381)	0-9 (382)	Cloud.				Barom. at M.S.L. (385)	Change in 8 hours. (386)	Wind.		Weather.	Temp. (390)	Humid. (391)	0-9 (392)	Cloud.				Barom. at M.S.L. (395)	Change in 8 hours. (396)	Wind.		Weather.	Temp. (400)	Humid. (401)	0-9 (402)	Cloud.				Barom. at M.S.L. (405)	Change in 8 hours. (406)	Wind.		Weather.	Temp. (410)	Humid. (411)	0-9 (412)	Cloud.				Barom. at M.S.L. (415)	Change in 8 hours. (416)	Wind.		Weather.	Temp. (420)	Humid. (421)	0-9 (422)	Cloud.				Barom. at M.S.L. (425)	Change in 8 hours. (426)	Wind.		Weather.	Temp. (430)	Humid. (431)	0-9 (432)	Cloud.				Barom. at M.S.L. (435)	Change in 8 hours. (436)	Wind.		Weather.	Temp. (440)	Humid. (441)	0-9 (442)	Cloud.				Barom. at M.S.L. (445)	Change in 8 hours. (446)	Wind.		Weather.	Temp. (450)	Humid. (451)	0-9 (452)	Cloud.				Barom. at M.S.L. (455)	Change in 8 hours. (456)	Wind.		Weather.	Temp. (460)	Humid. (461)	0-9 (462)	Cloud.				Barom. at M.S.L. (465)	Change in 8 hours. (466)	Wind.		Weather.	Temp. (470)	Humid. (471)	0-9 (472)	Cloud.				Barom. at M.S.L. (475)	Change in 8 hours. (476)	Wind.		Weather.	Temp. (480)	Humid. (481)	0-9 (482)	Cloud.				Barom. at M.S.L. (485)	Change in 8 hours. (486)	Wind.		Weather.	Temp. (490)	Humid. (491)	0-9 (492)	Cloud.				Barom. at M.S.L. (495)	Change in 8 hours. (496)	Wind.		Weather.	Temp. (500)	Humid. (491)	0-9 (492)	Cloud.				Barom. at M.S.L. (505)	Change in 8 hours. (506)	Wind.		Weather.	Temp. (510)	Humid. (511)	0-9 (512)	Cloud.				Barom. at M.S.L. (515)	Change in 8 hours. (516)	Wind.		Weather.	Temp. (520)	Humid. (521)	0-9 (522)	Cloud.				Barom. at M.S.L. (525)	Change in 8 hours. (526)	Wind.		Weather.	Temp. (530)	Humid. (531)	0-9 (532)	Cloud.				Barom. at M.S.L. (535)	Change in 8 hours. (536)	Wind.		Weather.	Temp. (540)	Humid. (541)	0-9 (542)	Cloud.				Barom. at M.S.L. (545)	Change in 8 hours. (546)	Wind.		Weather.	Temp. (550)	Humid. (551)	0-9 (552)	Cloud.				Barom. at M.S.L. (555)	Change in 8 hours. (556)	Wind.		Weather.	Temp. (560)	Humid. (561)	0-9 (562)	Cloud.				Barom. at M.S.L. (565)	Change in 8 hours. (566)	Wind.		Weather.	Temp. (570)	Humid. (571)	0-9 (572)	Cloud.				Barom. at M.S.L. (575)	Change in 8 hours. (576)	Wind.		Weather.	Temp. (580)	Humid. (581)	0-9 (582)	Cloud.				Barom. at M.S.L. (585)	Change in 8 hours. (586)	Wind.		Weather.	Temp. (590)	Humid. (591)	0-9 (592)	Cloud.				Barom. at M.S.L. (595)	Change in 8 hours. (596)	Wind.		Weather.	Temp. (600)	Humid. (591)	0-9 (592)	Cloud.				Barom. at M.S.L. (605)	Change in 8 hours. (606)	Wind.		Weather.	Temp. (610)	Humid. (601)	0-9 (602)	Cloud.				Barom. at M.S.L. (615)	Change in 8 hours. (616)	Wind.		Weather.	Temp. (620)	Humid. (611)	0-9 (612)	Cloud.				Barom. at M.S.L. (625)	Change in 8 hours. (626)	Wind.		Weather.	Temp. (630)	Humid. (621)	0-9 (622)	Cloud.				Barom. at M.S.L. (635)	Change in 8 hours. (636)	Wind.		Weather.	Temp. (640)	Humid. (631)	0-9 (632)	Cloud.				Barom. at M.S.L. (645)	Change in 8 hours. (646)	Wind.		Weather.	Temp. (650)	Humid. (641)	0-9 (642)	Cloud.				Barom. at M.S.L. (655)	Change in 8 hours. (656)	Wind.		Weather.	Temp. (660)	Humid. (651)	0-9 (652)	Cloud.				Barom. at M.S.L. (665)	Change in 8 hours. (666)	Wind.		Weather.	Temp. (670)	Humid. (661)	0-9 (662)	Cloud.				Barom. at M.S.L. (675)	Change in 8 hours. (676)	Wind.		Weather.	Temp. (680)	Humid. (671)	0-9 (672)	Cloud.				Barom. at M.S.L. (685)	Change in 8 hours. (686)	Wind.		Weather.	Temp. (690)	Humid. (681)	0-9 (682)	Cloud.				Barom. at M.S.L. (695)	Change in 8 hours. (696)	Wind.		Weather.	Temp. (700)	Humid. (691)	0-9 (692)	Cloud.				Barom. at M.S.L. (705)	Change in 8 hours. (706)	Wind.		Weather.	Temp. (710)	Humid. (701)	0-9 (702)	Cloud.				Barom. at M.S.L. (715)	Change in 8 hours. (716)	Wind.		Weather.	Temp. (720)	Humid. (711)	0-9 (712)	Cloud.				Barom. at M.S.L. (725)	Change in 8 hours. (726)	Wind.		Weather.	Temp. (730)	Humid. (721)	0-9 (722)	Cloud.				Barom. at M.S.L. (735)	Change in 8 hours. (736)	Wind.		Weather.	Temp. (740)	Humid. (731)	0-9 (732)	Cloud.				Barom. at M.S.L. (745)	Change in 8 hours. (746)	Wind.		Weather.	Temp. (750)	Humid. (741)	0-9 (742)	Cloud.				Barom. at M.S.L. (755)	Change in 8 hours. (756)	Wind.		Weather.	Temp. (760)	Humid. (751)	0-9 (752)	Cloud.				Barom. at M.S.L. (765)	Change in 8 hours. (766)	Wind.		Weather.	Temp. (770)	Humid. (761)	0-9 (762)	Cloud.				Barom. at M.S.L. (775)	Change in 8 hours. (776)	Wind.		Weather.	Temp. (780)	Humid. (771)	0-9 (772)	Cloud.				Barom. at M.S.L. (785)	Change in 8 hours. (786)	Wind.		Weather.	Temp. (790)	Humid. (781)	0-9 (782)	Cloud.				Barom. at M.S.L. (795)	Change in 8 hours. (796)	Wind.		Weather.	Temp. (800)	Humid. (791)	0-9 (792)	Cloud.				Barom. at M.S.L. (805)	Change in 8 hours. (806)	Wind.		Weather.	Temp. (810)	Humid. (801)	0-9 (802)	Cloud.				Barom. at M.S.L. (815)	Change in 8 hours. (816)	Wind.		Weather.	Temp. (820)	Humid. (811)	0-9 (812)	Cloud.				Barom. at M.S.L. (825)	Change in 8 hours. (826)	Wind.		Weather.	Temp. (830)	Humid. (821)	0-9 (822)	Cloud.				Barom. at M.S.L. (835)	Change in 8 hours. (836)	Wind.		Weather.	Temp. (840)	Humid. (831)	0-9 (832)	Cloud.				Barom. at M.S.L. (845)	Change in 8 hours. (846)	Wind.		Weather.	Temp. (850)	Humid. (841)	0-9 (842)	Cloud.				Barom. at M.S.L. (855)	Change in 8 hours. (856)	Wind.		Weather.	Temp. (860)	Humid. (851)	0-9 (852)	Cloud.				Barom. at M.S.L. (865)	Change in 8 hours. (866)	Wind.		Weather.	Temp. (870)	Humid. (861)	0-9 (862)	Cloud.				Barom. at M.S.L. (875)	Change in 8 hours. (876)	Wind.		Weather.	Temp. (880)	Humid. (871)	0-9 (872)	Cloud.				Barom. at M.S.L. (885)	Change in 8 hours. (886)	Wind.		Weather.	Temp. (890)	Humid. (881)	0-9 (882)	Cloud.				Barom. at M.S.L. (895)	Change in 8 hours. (896)	Wind.		Weather.	Temp. (900)	Humid. (891)	0-9 (892)	Cloud.				Barom. at M.S.L. (905)	Change in 8 hours. (906)	Wind.		Weather.	Temp. (910)	Humid. (901)	0-9 (902)	Cloud.				Barom. at M.S.L. (915)	Change in 8 hours. (916)	Wind.		Weather.	Temp. (920)	Humid. (911)	0-9 (912)	Cloud.				Barom. at M.S.L. (925)	Change in 8 hours. (926)	Wind.		Weather.	Temp. (930)	Humid. (921)	0-9 (922)	Cloud.				Barom. at M.S.L. (935)	Change in 8 hours. (936)	Wind.		Weather.	Temp. (940)	Humid. (931)	0-9 (932)	Cloud.				Barom. at M.S.L. (945)	Change in 8 hours. (946)	Wind.		Weather.	Temp. (950)	Humid. (941)	0-9 (942)	Cloud.				Barom. at M.S.L. (955)	Change in 8 hours. (956)	Wind.		Weather.	Temp. (960)	Humid. (951)	0-9 (952)	Cloud.				Barom. at M.S.L. (965)	Change in 8 hours. (966)	Wind.		Weather.	Temp. (970)	Humid. (961)	0-9 (962)	Cloud.				Barom. at M.S.L. (975)	Change in 8 hours. (976)	Wind.		Weather.	Temp. (980)	Humid. (971)	0-9 (972)	Cloud.				Barom. at M.S.L. (985)	Change in 8 hours. (986)	Wind.		Weather.	Temp. (990)	Humid. (981)	0-9 (982)	Cloud.				Barom. at M.S.L. (995)	Change in 8 hours. (996)	Wind.		Weather.	Temp. (1000)	Humid. (991)	0-9 (992)	Cloud.			
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Abridged observations of additional stations in the AVIATION WEATHER CODE											
13h. G.M.T. 1st August				01h. G.M.T. 2nd August				07h. G.M.T.			
III	C <sub>M</sub>	wwVhN	DDFWN	C <sub>M</sub>	wwVhN	DDFWN	C <sub>M</sub>	wwVhN	DDFWN	C <sub>M</sub>	wwVhN
109	5-	02847	31327	5-	02845	30325	57	02844	22324	61	51527
115	52	02945	06348				52	02944	20427		
203							5-	03538	16228	5-	02838
206				52	02858	04328	5-	01754	00024	53	02955
210	5-	02848	30428	5-	02957	04127	5-	03647	00027	5-	02577
220										5-	53508
230	16	01861	30214	00	00830	24100	04	00890	00003	53	02866
245	8+	01984	02415	54	00851	03412	5-	03738	28128	5-	02747
260	14	00761	04201	53	00842	06303	5-	05635	06115	5-	05528
277											
279	20	00861	05401	24	00861	06502				5-	05638
285	14	01853	06614							--	48209
288	5-	05538	65428				5-	43348	31358	5-	05548
273											
301	24	00763	04403	44	01863	04414	04	01790	00013	03	05690
321	10	01753	65513	50	02755	65525	5-	05638	32428	51	05638
299	--	46309	28649				5-	21538	30658	5-	02747
292	53	02743	65614	5-	05624	31514	5-	05628	32428	5-	05537
310	--	01643	04513							--	01641
314	20	01754	02414	50	05635	02415				5-	08438
333	10	00851	32300	14	01851	26303	00	00890	28200	00	00790
334										--	05563
340	20	17663	32313	03	05690	30301	00	08490	32200	00	08490
136	5-	05628	61568	5-	54408	02668	5-	52538	01558	5-	52728
336	53	01762	04414	03	01890	04412				00	00890
350				5-	05648	35568	5-	52538	35458	5-	51638
368				14	00761	20102				50	05652
379				20	01745	02315	5-	05628	02428	5-	05528
390	57	02745	31368	52	51637	31328	5-	52438	32458	5-	51738
382				84	01754	04414	5-	51638	04428	5-	05648
438	62	02744	25228								
430	5-	05678	02228	5-	05667	32327	5-	05648	04428	51	05637
409	5-	02735	02327	50	00753	02313	00	05690	04200	00	05690

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 2nd August.
1 S.E. England	Moderate to light N wind backing WNW. Mainly fair. Warmer.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light variable winds becoming NW. Mainly fair. Rather warm.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Moderate West wind. Mainly cloudy. Occasional drizzle. Local coast fog. Rather warm inland.
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	Moderate West wind. Cloudy and bright intervals. Local showers. Warm.
15 N. E. Scotland	
16 Orkneys and Shetlands	As 12-13B
17 N. W. Ireland	Light NW or N wind. Mainly fair but cloudy periods. Local coast fog and drizzle. Warm inland.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

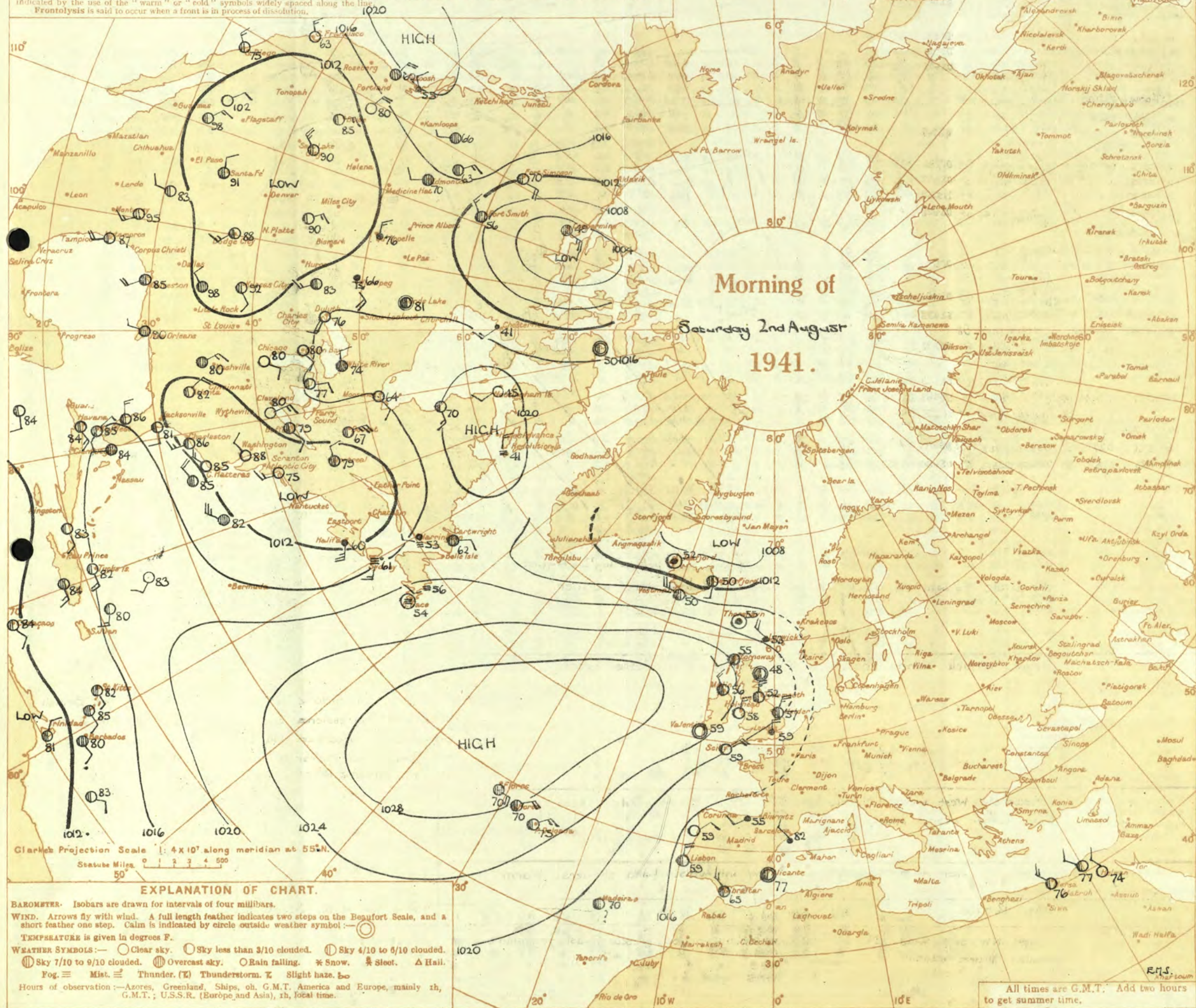




# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.  
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 2nd August														OBSERVATIONS at 7 hr. G.M.T. 2nd August														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.	Force.			Form.	Amount.					Height of Base (feet).	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.			Night 18h-7h mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

**SECRET**  
 Sunday 3rd August 1941.  
 No. 29109

OBSERVATIONS at 13h. G.M.T. 2nd August														OBSERVATIONS at 18h. G.M.T. 2nd August														PAST 24 HOURS.						
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 8 hours. (2)	Wind.		Weather. (5)	Temp. (6)	Humid. (7)	Visibility. (8)	Cloud.				Barom. at M.S.L. (15)	Change in 8 hours. (16)	Wind.		Weather. (19)	Temp. (20)	Humid. (21)	Visibility. (22)	Cloud.				State of Ground. (29)	Sea. (30)	WEATHER.						
				Dir.	Force. (4)					Form.	Amount. (11) (12) (13)	Height of Base. (feet) (14)	Dir.			Force (17)	Form.					Amount. (23) (24) (25)	Height of Base (feet) (26)	7h.—18h. 2nd... (37)	18h.—18h. 2nd... (38)			18h.—to 1h. 3rd... (39)	1h.—7h. 3rd... (40)					
1	London (Kew)...	1019.1	-6	NNE	3	c	64	85	7	-	-	7-8	7-8	2500	1017.9	-8	NNE	3	b	69	55	8	-	-	-	0	0	1	cd, id, cbc	bcby	bybz	bbecmaw		
	Croydon ...	1019.3	-2	N	3	c	61	85	7	-	-	9+	9+	1200	1017.7	-10	N	3	b	68	65	8	-	-	-	0	0	1	cd, cmo	bcbyb	bmbwcbm	bmbfgybfo		
	S. Farnborough	1018.9	-12	NNE	3	bc	66	65	7	-	-	2-3	2-3	1800	1017.9	-8	NE/N	3	b	71	45	7	-	-	-	0	0	1	cbc	bcby	bylcbw	bubcmec		
	Boscombe Down	1019.6	-12	NE/N	3	b	69	65	7	-	-	Tr	Tr	4000	1018.0	-8	NE/N	2	b	73	55	7	-	-	-	0	0	1	beb	byb	bcye	bcc		
	Thorney Island (Sutton)	1018.7	-2	NE	3	bc	67	75	7	-	-	2-3	2-3	1500	1017.5	-6	NE/E	2	b	71	65	7	-	-	-	0	0	1	cbc	bcmb	bmbmfge	bfgbmawf		
	Lymington	1018.6	-2	NNE	4	c	62	85	7	-	-	9+	9+	900	1018.1	-4	NNE	3	bc	62	85	8	-	-	2-3	2-3	1500	1	cd, cmo	bcmb	bmbwcbm	bmbfgybfo		
	Manston	1018.1	-6	N'E	4	c	62	85	7	-	-	10	10	1000	1017.9	-2	NE	4	b	61	85	7	-	-	Tr	Tr	1200	1	cd, cmo	bcmb	bmbwcbm	bmbfgybfo		
2	Shoeburyness ...	1019.2	-4	N'E	3	c	65	75	8	-	-	9	9+	2500	1018.1	-2	E/N	3	b	63	85	8	-	-	-	0	0	1	cd	cbcb	bcw	bube		
	Felixstowe ...	1018.8	-2	NE/N	4	c	64	75	8	-	-	9	9	1500	1017.8	-4	NNE	3	b	66	65	8	-	-	-	0	0	1	cd, cmo	cb	bbw	bucwcu		
	Gorleston	1019.7	+2	NNE	4	c	60	75	7	-	-	10	10	1000	1018.9	-4	N'E	3	bc	61	75	7	-	-	4-6	4-6	3000	0	3	cd, cmo	cb	bcc	cbwcu	
	Mildenhall	1019.6	-6	NW	4	c	65	75	8	-	-	4-6	7-8	2500	1018.4	-6	N	3	b	63	65	9	-	-	5	0	1	0	1	cd, d, cd, id, bc	bc	bbfw	bwfcm	
	Cranwell	1020.5	-8	NNW	3	b	68	65	8	-	-	Tr	Tr	4000	1018.8	-10	ENE	2	b	67	75	8	-	-	1	0	1	0	1	cd	bbcb	b, cmo	c, of bcf	
3	Birmingham	1020.0	-6	N	1	z	73	55	6	-	-	1	1	2500	1018.6	-2	NNE	2	c	70	65	7	-	-	9	9	1500	0	1	cd, cmo	bc	bcc	bco	
	Upper Heyford	1019.5	-10	NE	3	b	70	55	7	-	-	0	0	-	1018.3	-2	NNE	2	c	70	65	6	-	-	1	0	1	0	1	cd, cmo	bc	bcc	bco	
4	Ross-on-Wye ...	1019.6	-10	N	3	z	73	65	7	-	-	Tr	Tr	4000	1017.8	-8	N'E	3	b	75	55	7	-	-	1	Tr	1	4000	0	1	cd, cmo	bc	bcc	bco
5	Hartland Point	1020.2	-2	NNE	3	b	64	75	7	-	-	0	0	-	1019.3	-4	NNE	2	b	66	85	8	-	-	1	Tr	1	2500	0	2	cd, cmo	bc	bcc	bco
	Bristol ...	1019.9	-16	NNE	4	z	71	65	6	-	-	0	0	-	1017.8	-10	N'E	2	b	75	65	7	-	-	Tr	Tr	3500	0	1	cd, cmo	bc	bcc	bco	
	Portland Bill	1018.8	-8	ENE	2	c	66	85	8	-	-	7-8	7-8	2500	1017.9	-10	SW	1	bc	62	85	8	-	-	2-3	2-3	2500	0	3	cd, cmo	bc	bcc	bco	
	Plymouth	1019.7	-6	SSW	3	z	68	75	6	-	-	Tr	Tr	3000	1019.1	-4	SSW	4	z	64	85	6	-	-	Tr	Tr	3000	0	3	cd, cmo	bc	bcc	bco	
	The Lizard	1019.9	0	SSW	2	bc	69	75	6	-	-	4-6	4-6	2500	1018.5	-8	-	0	b	70	75	7	-	-	0	0	1	0	1	cd, cmo	bc	bcc	bco	
	Scilly (St. Mary's)	1020.6	-2	N	4	b	66	75	6	-	-	0	0	-	1019.7	-6	N'E	4	b	63	85	7	-	-	0	0	1	0	1	cd, cmo	bc	bcc	bco	
	Guernsey	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
6	Pembroke	1021.8	+2	N	4	z	65	92	6	-	-	2-3	2-3	4000	1021.0	-2	NNE	3	b	63	85	7	-	-	0	0	1	0	1	cd, cmo	bc	bcc	bco	
7	Holyhead (Valley)	1022.3	-2	NNW	4	c	63	75	7	-	-	6	2-3	7-8	3000	1020.5	-10	NW	3	c	62	75	9	-	-	Tr	9	3000	0	2	cd, cmo	bc	bcc	bco
	Chester (Sealand)	1021.5	0	NW	5	z	62	85	6	-	-	10	10	400	1019.7	-6	NW	4	c	63	75	8	-	-	Tr	9	2500	0	2	cd, cmo	bc	bcc	bco	
8	Manchester	1020.4	-8	WN	4	bc	72	65	7	-	-	6	Tr	4-6	3200	1019.4	-2	WN	3	c	65	85	7	-	-	1	7-8	5000	0	1	cd, cmo	bc	bcc	bco
10	Spurn Head	1020.8	+6	NNE	3	bc	60	75	8	-	-	2-3	2-3	5700	1019.9	+12	NE/E	2	bc	59	75	7	-	-	6	0	4-6	-	0	3	cd, cmo	bc	bcc	bco
	Catterick	1021.0	-8	-	0	z	67	75	6	-	-	4-6	4-6	1800	1018.4	-6	-	0	z	72	65	6	-	-	2-3	9+	2500	0	1	cd, cmo	bc	bcc	bco	
	Tynemouth	1021.6	-10	SE	3	bc	58	85	7	-	-	2-3	4-6	2000	1019.4	-12	SE	3	c	58	85	6	-	-	7-8	7-8	2000	1	2	cd, cmo	bc	bcc	bco	
11	St. Abbs Head	1019.7	-12	S	1	c	64	85	7	-	-	2-3	9	1500	1017.8	-8	S	2	c	65	85	8	-	-	4-6	10	2500	0	1	cd, cmo	bc	bcc	bco	
	Leuchars	1019.0	-8	SW	2	c	74	65	8	-	-	4-6	9	3500	1016.9	-16	W	2	c	74	55	9	-	-	Tr	9	3500	0	1	cd, cmo	bc	bcc	bco	
12	Renfrew (Abbots L.)	1020.6	-10	WN	3	c	71	65	9	-	-	Tr	9+	3500	1019.7	-6	W	3	c	66	75	9	-	-	Tr	7-8	2500	0	1	cd, cmo	bc	bcc	bco	
	Eskdalemuir	1019.7	-6	SW	2	c	70	75	6	-	-	4-6	7-8	1500	1017.9	-10	NW	3	c	68	75	8	-	-	1	7-8	2500	0	1	cd, cmo	bc	bcc	bco	
	Point of Ayre	1022.1	-8	WNW	4	c	65	75	8	-	-	6	Tr	7-8	2500	1020.3	-14	NNW	5	c	60	92	7	-	-	4-6	9	4000	0	4	cd, cmo	bc	bcc	bco
13A	Tiree	1022.6	0	W	2	o	59	55	7	-	-	10	10	800	1022.2	-2	NW	2	c	57	85	8	-	-	7-8	7-8	1500	0	3	cd, cmo	bc	bcc	bco	
13B	Stornoway	1021.3	-8	WSW	4	pr	59	92	8	-	-	9	10	1000	1020.4	-4	W	4	c	57	92	8	-	-	9	10	1500	1	2	cd, d, pr	bc	bcc	bco	
15	Dalwhinnie	1020.3	-10	WNW	2	c	67	85	8	-	-	1	9	4000	1019.0	-6	SW	2	c	66	65	8	-	-	1	4-6	4000	0	1	cd, cmo	bc	bcc	bco	
	Aberdeen	1018.9	-10	E/S	1	z	67	75	6	-	-	1	9	3100	1018.2	-2	ENE	2	c	59	85	7	-	-	1	9	2500	0	2	cd, cmo	bc	bcc	bco	
	Wick	1019.2	-2	WN	5	c	62	85	9	-	-	4-6	7-8	2500	1018.1	-8	W	4	c	57	92	9	-	-	2-3	10	800	0	1	cd, cmo	bc	bcc	bco	
16	Sumburgh	1016.6	-2	WNW	4	yd	55	85	7	-	-	9+	9+	500	1015.4	-10	WNW	4	c/d	54	92	8	-	-	9	9+	500	4	1	cd, cmo	bc	bcc	bco	
17	Blackod Point	1025.4	-4	NW	1	c	64	75	8	-	-	0	2-8	-	1024.2	-8	WNW	2	dd	60	97	5	-	-	10	10	450	1	3	cd, cmo	bc	bcc	bco	
18	Malin Head	1023.4	-6	W	3	DD	58	92	4	-	-	7-8	7-8	450	1021.6	-16	W	3	dd	59	92	4	-	-	9+	9+	450	0	3	cd, cmo	bc	bcc	bco	
	Aldergrove	1023.2	-10	NW	2	c	67	75	9	-	-	2-3	9+	5700	1021.7	-14	N	2	c	65	92	8	-	-	9	9+	2000	0	1	cd, cmo	bc	bcc	bco	
19	Birr Castle	1023.8	-12	NW	1	c	70	75	8	-	-	0	7-8	-	1021.8	-10	N	1	bc	75	55	8	-	-	0	4-6	-	0	1	cd, cmo	bc	bey		

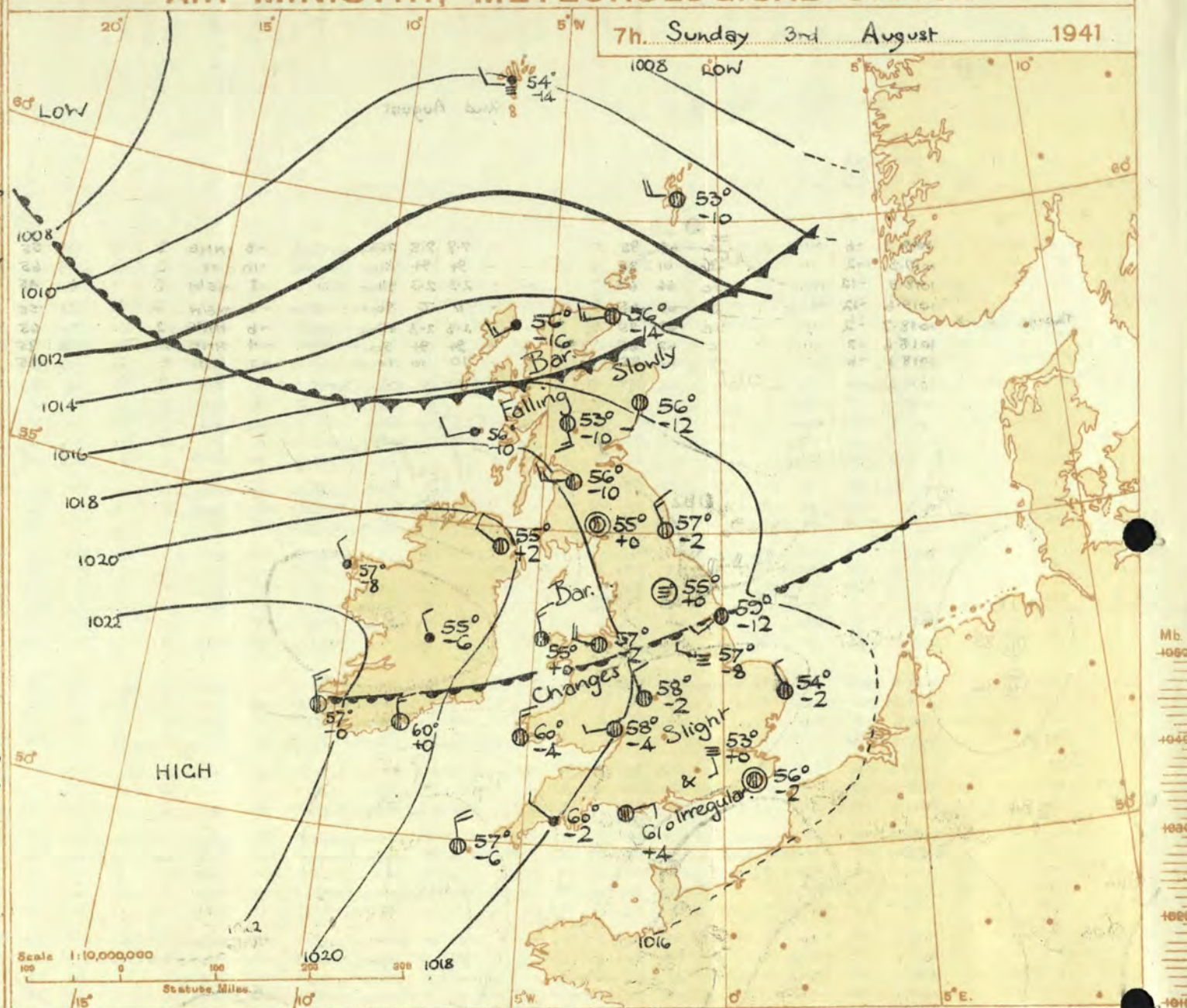


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T.	2nd August	18h. G.M.T.	01h. G.M.T.	3rd August	07h. G.M.T.
III, C <sub>u</sub>	wwVhN <sub>h</sub> DDFWN	C <sub>u</sub> C <sub>u</sub> wwVhN <sub>h</sub> DDFWN	C <sub>u</sub> C <sub>u</sub> wwVhN <sub>h</sub> DDFWN	C <sub>u</sub> C <sub>u</sub> wwVhN <sub>h</sub> DDFWN	C <sub>u</sub> C <sub>u</sub> wwVhN <sub>h</sub> DDFWN
109	5- 21746 24556	5- 21745 57555	-- 57303 22223	5- 51638 14458	
115	-- 57109 24459	52 31728 24488	52 81738 24588	5- 67109 20389	
203	5- 02938 20228	5- 02938 24328			
206	77 01743 24226	77 02863 28225	5- 01863 00023	57 02854 20328	
210	71 02943 24427	51 02963 59327	50 01864 25324	5- 02868 22328	
220		51 21734 29358		5- 54408 23358	
230	57 51840 22328	54 01842 28355	50 01743 27313	5- 02648 20318	
245	59 05674 14228	14 05551 09227	57 05664 00028	5- 02757 20327	
260	53 05674 22227	53 02862 22325	54 05662 20313	53 02775 20317	
277					
279	73 05644 24225	47 02752 21227		04 05690 30203	
285	23 05745 14416				
288	51 08446 04128	57 17484 04217	00 43290 00040	53 08456 04117	
273					
301	5- 05628 28328	03 02890 28325	5- 05635 28315	5- 05635 28327	
321	10 05651 32321	13 02761 10215	07 05690 14113	5- 08438 24128	
299		54 01751 30203		54 05654 26114	
292	53 05661 30213	07 05690 08117	00 05690 13110	03 05590 00015	
310					
414	03 05690 02213	5- 02760 00016	05 05690 00016	53 41424 28147	
333	50 01833 30424	15 02961 30416	5- 02858 00018	53 02735 32327	
334	-- 01773 24213				
340	10 00762 30302	13 01761 29303	5- 02738 30428	5- 02738 30328	
136	5- 02847 32457	50 00853 04313	53 04633 00005	57 02785 20217	
326	13 01863 04414	14 01862 28318			
350	5- 00751 02251	50 01763 04204	04 05690 00002	-- 48309 20149	
368		50 05654		57 05661 10126	
379	00 00790 32310	50 01753 32203	00 05690 32110	-- 44309 30249	
390	50 01754 30324	50 00861 02201	00 05690 32100	09 41690 30246	
382	00 00890 03400	50 00853 04103		5- 08428 32128	
438	80 02755 02415				
430	50 05643 02413	00 00890 02300	50 08431 00001	57 05612 31113	
409	00 05690 03400	00 05720 32400	00 05690 01301	57 22754 02367	

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.

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

1 S.E. England	
2 E. England ...	Light northwest wind backing west later. Mainly fair; warm.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Light or moderate northwest wind, backing southwest later. Cloudy periods; light rain locally. Local coast fog; rather warm.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Light northwest to west wind backing southwest. Cloudy periods; slight local rain later; rather warm.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Moderate west wind backing southwest, freshening. Mainly cloudy; rain at times. Rather warm inland; local coast fog.
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	Moderate west wind backing southwest and freshening. Cloudy periods; rain later; rather warm.
15 N. E. Scotland	
16 Orkneys and Shetlands	As 12-13B.
17 N. W. Ireland	As 7-9
18 N. E. Ireland	
19 S. E. Ireland	Light northwest wind, backing southwest. Fair at first, cloudy later with local rain. Local coast fog; rather warm.
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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  
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.

GENERAL INFERENCE.

An anticyclone is centred to southwest of Ireland and depressions are moving east-southeast to north of Scotland. Weather will be mainly fair in the South but there will be occasional rain in the North.

FURTHER OUTLOOK.

Rather unsettled but rainfall amounts probably small in the South and Southwest.

Forecasts issued at 1030 G.M.T.  
H.M.S.O. Press, Meteorological Office, Dunstable.

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

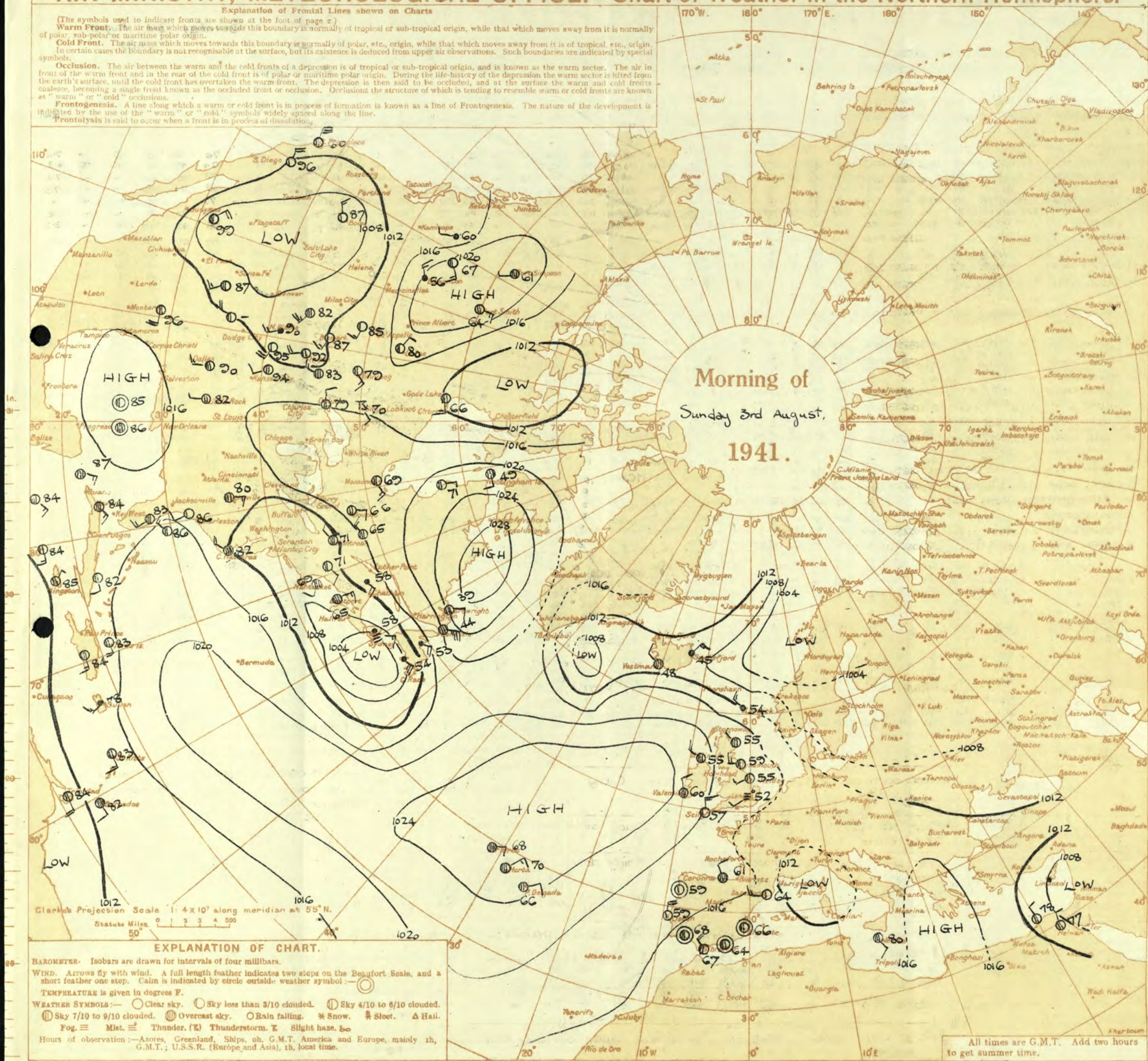
G 269/4030. No. 8175. D. 6034. 6p. 348. 3/50. 5/41



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Sunday 3rd August 1941.  
 No. 23109

OBSERVATIONS at 1 hr. G.M.T. 3rd August.....														OBSERVATIONS at 7 hr. G.M.T. 3rd August.....														PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visibility.	Cloud.			Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visibility.	Cloud.			State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE 2nd Hrs.							
					Direc.	Force.				Form.	Amount.	Height of Base (feet).			Direc.	Force.				Form.	Amount.	Height of Base (feet).			Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.								
																															Low.	Med.	High.	Low.	Med.	High.	Low.
1	London (Kew) ... 18	1018.4	-2	SW	1	52	97	4	5	-	1	1000	1017.3	+2	SSE	1	52	92	5	5	3	1	4	2500	1	*	70	49	35	Tr	-	7.2					
	Croydon ... 217	1018.4	-2	SW	1	52	97	4	5	-	1	1000	1017.5	0	SSE	1	52	97	2	-	-	-	10	10	450	1	*	70	47	45	Tr	-	6.3				
	S. Farnborough ... 226	1018.4	-2	SW	1	52	97	4	5	-	1	1000	1017.5	0	SW	1	52	97	2	-	-	-	10	10	450	1	*	70	47	45	Tr	-	6.3				
	Boacombe Down ... 417	1018.5	-2	E	2	60	85	7	5	-	4.6	4.6	2500	1017.7	-2	NW	1	57	97	5	S	-	10	10	4000	0	*	69	54	47	-	-	7.3				
	Portland (Island) ... 108	1017.9	-4	ENE	1	54	97	4	-	-	0	0	-	1017.3	+2	ENE	1	55	97	3	5	3	1	2.3	7.8	450	0	*	73	49	46	-	-	7.3			
	Lympne ... 346	1018.4	-4	SW	1	53	97	6	5	-	4.6	4.6	1500	1017.6	-2	SW	1	56	97	6	5	-	10	10	1800	1	*	66	50	42	-	-	3.8				
	Mauston ... 154	1017.8	-6	NE	1	55	92	7	5	-	4.6	4.6	1700	1016.7	0	NE	1	59	75	8	5	-	10	10	1600	1	*	68	52	44	Tr	-	3.3				
2	Shoeburyness ... 11	1018.2	-2	N	1	53	85	7	5	-	1	800	1017.1	0	N	1	57	85	7	-	5	6	0	7.8	-	0	*	72	48	39	-	-	5.5				
	Felixstowe ... 15	1018.2	-2	N	1	53	85	7	5	-	1	800	1016.8	-6	NW	1	57	85	8	5	3	6	4.6	9	2000	0	1	68	51	48	Tr	-	6.4				
	Corleston ... 5	1018.5	-4	N	1	57	85	6	5	-	9	9	1500	1017.4	-2	NW	1	54	85	7	5	3	4.6	7.8	2000	0	2	62	51	48	Tr	-	8.3				
	Mildenhall ... 19	1018.5	-6	NE	1	57	85	6	5	-	1	9	1500	1017.2	-2	NW	1	54	85	7	5	7	7.8	9	2000	0	*	66	43	39	-	-	8.3				
	Cranwell ... 240	1018.4	-6	N	1	54	92	6	-	7	0	9	-	1017.7	-8	WNW	1	57	97	3	-	3	0	7.8	-	0	*	70	52	49	-	-	11.1				
3	Birmingham ... 535	1018.9	0	SW	1	57	97	5	-	-	0	0	-	1017.8	-2	NNW	2	58	92	7	5	-	10	10	800	1	*	75	57	54	-	-	6.5				
	Upper Heyford ... 408	1018.9	0	SW	1	57	97	5	-	-	0	0	-	1017.5	+2	NW	1	58	97	3	5	-	10	10	100	0	*	73	55	50	-	-	6.5				
	Ross-on-Wye ... 223	1018.9	0	SW	1	57	97	5	-	-	0	0	-	1017.7	-4	WSW	1	58	97	6	-	7	6	0	9	-	1	*	77	57	52	-	-	10.8			
5	Hartland Point ... 299	1018.5	-8	NNE	2	59	85	8	-	-	0	0	-	1018.1	+4	NNE	3	61	85	8	5	4	4	4.6	7.8	3800	1	3	67	59	55	-	-	13.2			
	Bristol ... 209	1018.8	+2	N	2	60	92	6	5	-	2.3	2.3	2600	1017.9	-2	N	2	61	92	7	-	7	0	9	-	1	*	77	57	51	-	-	8.8				
	Portland Bill ... 32	1017.1	-6	NW	2	62	85	7	5	-	4.6	4.6	2500	1017.0	+4	ENE	2	61	85	7	2	4	4	4.6	9	2500	0	3	66	57	53	-	-	12.5			
	Plymouth ... 82	1018.5	-6	NW	1	62	85	6	5	-	4.6	4.6	4500	1017.8	-2	NW	1	60	92	6	5	7	9	10	5500	0	2	67	57	53	-	-	11.6				
	The Lizard ... 240	1018.7	-4	N	4	59	85	8	-	-	0	0	-	1017.3	+4	N	4	61	85	8	8	6	7.8	7.8	2500	0	4	70	55	50	-	-	13.5				
	Scilly (St. Mary's) ... 163	1020.2	-2	N	3	57	97	6	-	-	0	0	-	1018.5	-6	NW	4	57	97	7	S	4	4	4.6	9	1800	0	3	66	57	50	-	-	13.5			
	Guernsey ... 175	1018.7	-4	N	4	59	85	8	-	-	0	0	-	1018.5	-6	NW	4	57	97	7	S	4	4	4.6	9	1800	0	3	66	57	50	-	-	13.5			
6	Pembroke ... 142	1019.7	-4	N	4	59	85	8	-	-	0	0	-	1019.4	-4	N	4	60	97	7	8	2	7.8	7.8	2500	0	2	72	57	50	-	-	13.5				
	Holyhead (Valley) ... 26	1019.9	-6	N	1	57	97	6	5	7	-	2.3	2.3	1000	1018.8	0	NNW	3	55	92	6	5	-	10	10	800	1	2	68	54	51	-	-	8.2			
	Chester (Sealand) ... 16	1019.2	-4	WNW	4	61	85	7	-	7	0	10	-	1018.2	-2	WNW	4	61	85	6	5	-	10	10	1000	0	*	68	57	57	-	-	11.7				
	Manchester ... 70	1019.1	-4	WNW	2	60	97	6	5	-	10	10	4000	1017.8	-6	WNW	2	59	92	7	5	2	9	10	800	0	*	74	58	57	-	-	11.7				
10	Spurn Head ... 29	1018.3	-6	SW	1	55	97	7	5	7	2.3	4.6	4000	1016.7	-6	SW	1	59	85	6	5	7	2.3	7.8	4000	0	1	61	54	50	-	-	8.0				
	Catterick ... 175	1018.2	-6	SE	1	56	97	2	-	7	0	10	-	1017.5	0	SE	1	55	97	4	5	3	1	4.6	7.8	7000	0	*	73	53	46	-	-	4.0			
	Tynemouth ... 108	1017.9	-6	W	3	59	85	6	5	-	4.6	4.6	1500	1017.6	-2	NNW	3	57	85	6	-	3	1	0	2.3	-	0	2	62	56	54	-	-	4.0			
11	St. Abba Head ... 280	1017.0	0	NW	3	55	97	6	4	4	2.3	4.6	2500	1016.8	-6	NNW	1	57	85	8	5	2	7.8	9	2400	0	2	67	53	50	-	-	0.7				
	Leuchars ... 36	1018.1	0	N	0	56	92	7	5	-	2.3	2.3	2200	1016.0	-10	SW	3	57	85	7	5	-	9	9	2500	0	*	77	54	50	-	-	0.7				
12	Renfrew (Abbots L.) ... 19	1017.2	-2	W	3	56	92	7	-	-	0	0	-	1017.1	-10	W	3	56	85	7	5	7	7.8	10	1200	0	*	74	53	49	-	-	3.3				
	Eskdalemuir ... 794	1017.2	-2	W	3	56	92	7	-	-	0	0	-	1016.7	0	W	3	55	85	8	-	4	8	0	2.3	-	0	*	73	45	39	-	-	3.8			
	Point of Ayre ... 30	1019.5	-6	NNW	5	56	97	7	5	1	4.6	4.6	1500	1018.6	0	NNW	5	56	92	7	5	-	10	10	3000	0	4	66	55	50	-	-	3.4				
13A	Tiree ... 22	1020.4	-10	WNW	4	56	97	7	5	-	9	9	1500	1017.0	-10	WNW	4	56	97	5	-	2	10	10	400	1	3	60	55	50	-	-	1.0				
13B	Stornoway ... 80	1017.8	-20	WNW	4	55	97	5	5	-	10	10	800	1014.2	-16	SW	3	57	97	7	5	7	9	10	1000	1	1	60	55	50	-	-	0.5				
15	Dalwhinnie ... 1176	1017.8	-10	WNW	4	55	97	5	5	-	10	10	800	1016.4	-10	SSE	3	53	85	7	5	5	7.8	9	1500	0	*	69	43	35	-	-	4.9				
	Aberdeen ... 79	1017.8	-10	WNW	4	55	97	5	5	-	10	10	800	1015.1	-12	SSW	1	56	92	6	5	-	9	10	3500	0	2	69	54	49	-	-	0.7				
	Wick ... 119	1017.8	-10	W	3	54	92	7	5	7	9	10	700	1015.8	-14	WSW	3	56	92	8	5	7	9	10	2000	0	*	63	53	53	-	-	0.7				
16	Sumburgh ... 30	1013.6	-14	W	4	53	92	6	5	-	10	10	400	1011.1	-10	W	4	53	92	8	5	7	7.8	10	600	*	*	55	52	53	-	-	0.7				
17	Blackod Point ... 18	1023.8	-6	NW	3	56	97	7	5	-	10	10	800	1021.7	-8	NW	1	57	97	5	6	-	10	10	450	1	2	65	53	50	-	-	1.7				
18	Malin Head ... 84	1021.7	-6	WNW	3	55	85	6	8	-	9	9	1500	1019.0	-10	W	5	56	92	6	9	8	4.6	7.8	800	0	3	61	53	50	-	-	1.7				
	Aldergrove ... 268	1021.7	-6	NW	5	55	92	8	5	-	10	10	800	1020.3	+2	NNW	2	55	85	7	5	-	9	9	1500	1	*	72	53	49	-	-					



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

Monday, 4th August 1941.

No. 29110.

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

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

PAST 24 HOURS.

District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. (6)	Humid. (7)	Visibility. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (20)	Temp. (21)	Humid. (22)	Visibility. (23)	Cloud.					Barom. at M.S.L. (29)	Change in 3 hours. (30)	WEATHER.					
				Direc. (3)	Force. (4)					Low. (9)	Med. (10)	High (11)	Low (12)	Total (13)			Height of Base (feet) (14)	Low (24)					Med. (25)	High (26)	Low (27)	Total (28)	Height of Base (feet) (29)			State of Sky (31)	Sea. (32)	7h.—13h. ...3rd.... (37)	13h.—18h. ...3rd.... (38)	18h.—3rd.to 1st.—4th.. (39)	1h.—7h. ...4th.. (40)
1	London (Kew) ... Croydon ... S. Farnborough Boscombe Down (Thames Island.) Lymington ... Manston ...	1015.5 1015.8 1015.3 1016.1 1016.0 1016.6 1015.9	-14 -14 -18 -14 -10 -6 -10	NNW NNW N N S E N	2 1 0 2 3 2 1	z c c bc z c c	63 69 73 69 67 63 66	55 45 55 75 75 75 65	6 6 7 7 6 8 8	5 - 1 1 5 5 5	4 7 3 4 - 8 2	6 5 9 4 2 4 9	0 0 4 6 7 8 9	1013.3 1013.5 1013.8 1014.2 1014.0 1015.1 1014.3	-12 -14 -6 -8 -10 -8 -6	W NE WN NW SSE SSE -	2 1 2 1 1 1 0	z c bc z z c c	71 70 71 73 68 61 61	75 65 75 65 85 75 78	8 6 7 2 6 8 8	5 - 4 6 - - 7	3 - 3 6 - 8 8 2	Tr Tr Tr Tr Tr Tr 2.3	2500 2500 2500 2500 - - 4500	0 1 1 0 0 0 1	1 1 1 1 1 1 1	cmo, z, w, c, y cmo, z, w, c, y ccy cbc, cm bc, f, cc, z cm, bc c	cz, y, c, z, w cz, y, c, z, w yc cbc, z cm c	cz, y, c, z, w cz, y, c, z, w bc, w, m, b, c, f bcm, f, j, f bcm, w, f, g cbc, m, w cbm, w	bcm, w bcm, w bcm, w bcm, w bcm, w bcm, w bcm, w				
2	Shoeburyness ... Felixstowe ... Gorleston ... Mildenhall ... Cranwell ...	1016.5 1016.0 1016.7 1015.3 1014.3	-10 -10 -14 -14 -16	ESE SE SE - SW	1 2 2 0 2	c c c c z	63 65 63 71 70	75 75 75 45 75	8 8 7 8 6	5 5 5 5 5	9 9 3 7 -	- - - - -	7.8 9 7 7 9	1014.2 1013.5 1014.0 1012.6 1012.3	-16 -14 -12 -14 -14	SE S SSW WSW WSW	2 2 3 2 3	c bc bc bc z	65 64 65 73 70	75 75 85 85 75	8 5 7 2 6	5 9 4 1 5	7 9 4 - -	0 Tr 0 1 3	7.8 2.3 4.6 3.000 2.000	- 0 0 0 0	0 2 3 3 3	bcc c c cm, cy cm, z	c cbc cbc bc, y, bc bc, z	cb bc, m, w bcc bcm, b, m, w, bc cz, b, cm, cm	bcm, w bcm, w bcm, w bcm, w bcm, w				
3	Birmingham Upper Heyford	1016.2 1016.3	-10 -6	NNW NW	2 1	bc z	65 64	65 55	7 6	- -	- -	4 10	2.3 11.00	1014.4 1014.0	-10 -12	NNW N/N	3 2	b z	68 71	45 75	8 6	- -	- -	0 0	- -	1 1	1 1	abc cm, d, cm, z, abc	bc, b cm, b, z	bcc bcm, b, z	bcc bcm, m				
4	Ross-on-Wye ...	1015.8	-14	N/W	3	bc	73	85	8	1	-	2	2.3	1013.4	-14	E	1	c	75	55	8	7	-	7	1	9	4.000	0	1	cm, d, cm, z, abc	bc, y, c, y bc, y, c, y	bcc bcm, w	bcc bcm, m		
5	Hartland Point Bristol ... Portland Bill ... Plymouth ... The Lizard ... Soilly (St. Mary's) Guernsey ...	1017.8 1016.4 1016.0 1017.2 1017.4 1019.2	-6 -10 -12 -10 -4 +2	NNW NNW SW NNW NNW N/W	3 3 2 2 2 3	c c o c bc c	61 73 63 73 74 60	85 55 75 65 65 85	8 8 7 8 8 7	5 1 5 8 8 5	4 3 - 3 6 -	- 2 2 2 - -	4.6 7.8 10 2.3 4.6 10	1016.2 1014.6 1014.3 1016.3 1016.5 1018.0	-8 -4 -16 -2 -6 -6	NNW W NNW NNW NNW NW	3 2 2 4 5 3	b bc bc bc bc bc	61 70 64 68 65 63	85 75 85 75 75 85	8 8 7 8 8 8	1 - 2 - 4 5	- 8 4.6 2.3 2.3 2.3	Tr 0 4.6 4.6 2.3 4.6	2500 - 4.000 - 3500 1500	0 0 0 0 0 0	0 3 3 3 4 3	c c c c c c	cb, b bc, y, bc cbc bc bc cbc	bcc bcm, w bcm, w bcm, w bcm, w bcm, w	bcc bcm, m bcm, m bcm, m bcm, m bcm, m				
6	Pembroke ...	1018.3	-8	N	5	bc, q	64	85	7	-	3	-	0	1017.1	-6	WNW	3	bc	59	85	7	7	-	2.3	2.3	-	0	1	bc, q	bc, z	bcc	c, q			
7	Holyhead (Valley)	1017.7	-10	NW	3	c	60	85	7	5	-	-	9	1015.3	-16	SSW	3	c	60	85	8	5	7	-	7.8	9	3500	0	2	cm, c	bc, c	cm, d, d, d	c, q		
8	Chester (Sealand)	1016.8	-12	NW	5	z	61	75	6	5	-	-	10	1015.0	-10	NNW	4	bc	63	65	7	-	-	0	4.6	-	0	1	cm, c	cb, bc, z	cm, p, bc, d	cb, cm, d, d			
8	Manchester ...	1016.7	-10	N/W	3	z	63	75	6	5	-	-	7.8	1015.1	-8	WN	3	bc	63	75	7	5	3	-	2.3	4.6	2500	0	1	cm, c	cz, bc	cm, d, d	id, d, d		
10	Spurn Head ... Catterick ... Tynemouth ...	1015.6 1013.7 1015.6	-8 -24 -16	ENE - SSE	2 0 2	o c c	62 75 60	85 55 85	5 7 6	5 7 2	- - 3	- - -	10 7.8 4.6	1012.6 1012.2 1012.3	-12 -8 -14	SSE NW W	2 2 5	c c c	61 71 67	92 55 75	5 7 7	2 5 8	- 9 3	0 4.6 4.6	10 7.8 7.8	- 3500 3000	0 0 0	1 1 3	om mm, b, c, y cm, b, m	om cb, c, y c	bcc bcm, b bc, c	om, om, d cm, c			
11	St. Abbs Head Leuchars ...	1014.1 1012.6	-12 -18	N N	2 6	c c	64 66	65 65	9 8	5 5	7 7	- -	4.6 7.8	1010.3 1010.4	-20 -4	W W	4 4	bc c	63 67	75 75	8 5	4 7	- 7	2.3 4.6	4.6 7.8	2500 2500	0 0	2 1	c c	bc, b bc, c	bc, c bc, b	cm, d, d, d bcm, d, d			
12	Renfrew (Abbots L.) Eskdalemuir ... Point of Ayre ...	1015.1 1014.3 1017.1	-18 -12 -8	NSE N NNW	3 3 4	c c z	60 64 65	85 75 75	7 8 6	5 5 1	- - 4	- - Tr	10 3 2.3	1010.3 1012.3 1014.5	-4 -16 -20	W N N	4 4 4	bc c c	61 59 64	85 85 85	5 8 8	7 5 5	- - -	4.6 3 9	7.8 1000 1500	0 0 0	1 1 3	c, m, o, i, r, c bb, c cbc	bc, b c c	bc, c c c	cm, d, d, d cm, d, d, d				
13A	Tiree ...	1015.3	-2	NNW	3	c	60	92	7	5	-	-	9	1013.6	-6	NNW	3	o	57	85	7	5	-	10	10	1500	1	3	oid, c	cid	o	ord, r, r			
13B	Stornoway ...	1012.8	-4	NNW	5	c	60	85	8	5	7	-	7.8	1012.2	-6	W	3	o	56	85	8	5	7	-	7.8	9	2500	1	2	oid, c	cid	o	ord, r, r		
15	Dalwhinnie ... Aberdeen ... Wick ... Sumburgh ...	1012.9 1011.5 1011.1 1008.5	-16 -16 -14 -14	SW ENE WNW WSW	3 1 3 2	bc c Dr c/d	63 67 58 53	75 75 75 97	8 7 5 7	5 5 5 5	4 - - 1	- - - -	4.6 4.6 9 4.6	1011.7 1010.1 1009.9 1006.8	-10 -6 -2 -8	SW E'S WNW W	3 1 3 3	c c pr e/d	58 61 56 54	75 85 85 85	8 5 9 8	5 4 3 5	8 8 9 1	1500 2800 2000 600	0 0 0 *	1 1 1 1	cm, d, d, d cpr c, z, c ci, ord, m, d	cid cpr c ord, m, d, d	o cpr c c	ord, r, r crr co bcm, o, z, o c					
17	Blacksod Point ...	1019.8	-10	N	3	dp	60	97	3	6	-	-	10	1016.5	-24	WSW	2	dp	59	97	3	6	-	10	10	1150	1	1	dp	dp	dp	rr			
18	Malin Head ... Aldergrove ...	1016.6 1017.3	-12 -18	N WSW	5 3	dd c/d	58 63	97 92	5 8	3 5	- 2	- -	9 5	1015.0 1015.0	-10 -14	NW WNW	2 3	c c/d	58 62	92 85	7 8	6 8	- -	2.3 7.8	9 7.8	800 1000	0 1	3 1	cid, c cid, c	cid, c cid, c	cid, c cid, c	cid, c			
19	Birr Castle ...	1019.3	-14	N	1	c	67	75	8	5	1	-	7.8	1017.0	-4	W	2	c	68	85	8	5	7	-	4.6	7.8	2500	0	1	c	c	c	c		
20	Valentia Obsy. † Roches Point ...	1022.1 1019.8	-6 -10	NW N	3 4	c bc	61 68	92 75	8 9	5 1	- 4	- -	9 2.3	1020.3 1017.7	-10 -14	WNW N	3 4	ojf bc	60 68	92 75	8 5	5 4	- -	4.6 4.6	7.8 2500	0 0	3 3	c bc, c	c bc	c bc	c				

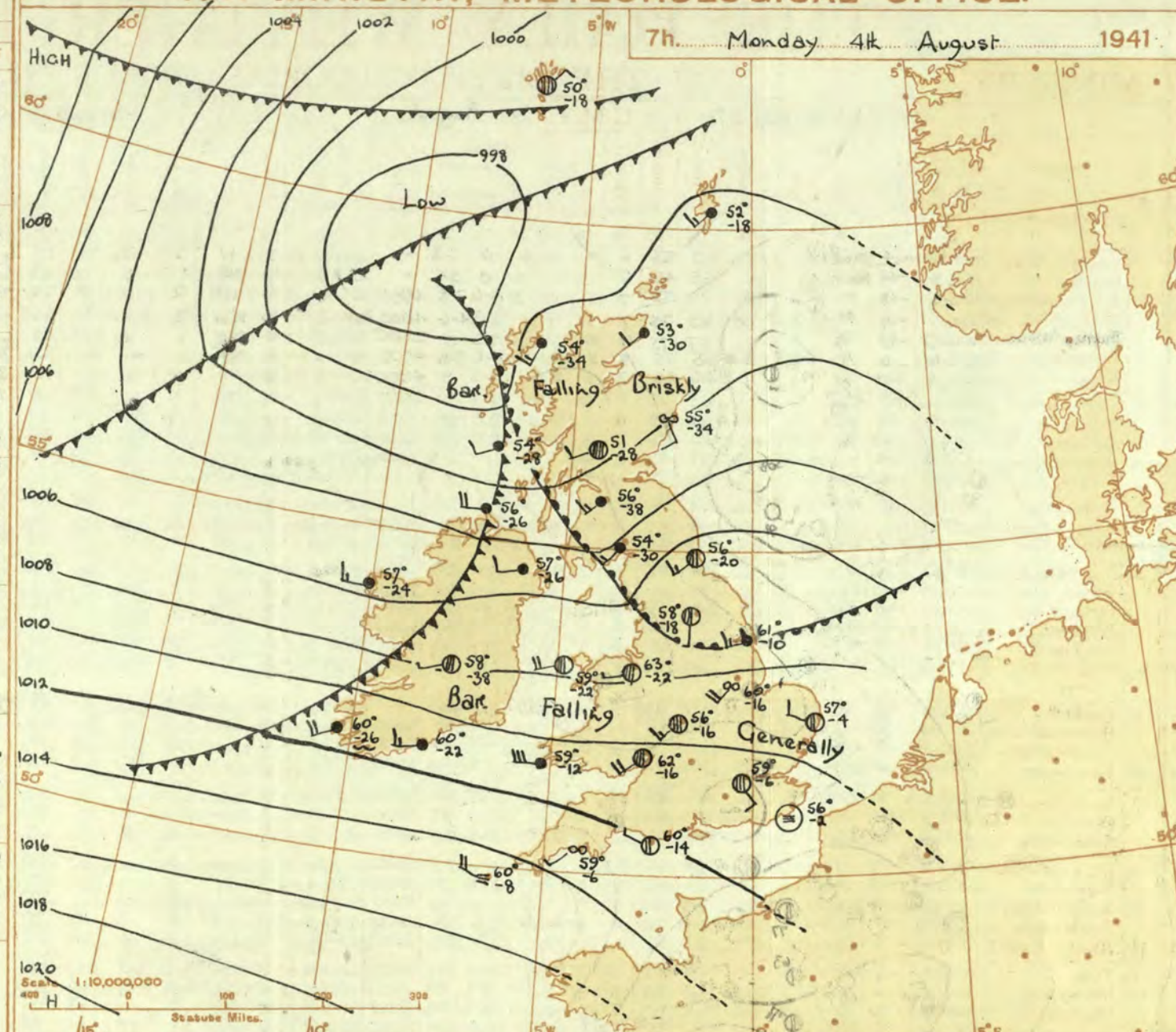


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 3rd August								18h. G.M.T.				01h. G.M.T. 4th August				07h. G.M.T.			
III	C <sub>u</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>u</sub>	C <sub>m</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>u</sub>	C <sub>m</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>u</sub>	C <sub>m</sub>	ww	Vh <sub>N</sub>	DDFWN
109	5-	09838	22458	5-	81747	26457	5-	03748	23428	52	52646	16368							
115	52	09734	22467	52	02944	26487	52	02934	20487	52	64638	20488							
203							5-	02938	20428										
206	57	02965	22366	87	02965	26326	50	01862	00023	52	62854	16168							
210	5-	81958	24328	87	02965	26387	5-	02968	00028	57	02966	18228							
220				87	25845	26387				52	22516	23468							
230	5-	53738	20358	52	52757	26358	5-	03748	24158	02	64628	20258							
245	57	02765	64467	24	10955	22467	04	01690	00085	57	02752	22128							
260	87	05655	22427	5-	02855	21327	53	05654	21214	52	02756	20328							
277																			
279	7-	02768	20328	5-	02758	21328				6-	54528	20358							
285										5-	61638	22468							
288	74	05562	04213	8-	02866	24326	50	05663	20213	5-	61668	18268							
273																			
301	5-	02737	28327	5-	02776	28326	5-	05637	24357	51	02823	24357							
321	10	05654	28114	50	05673	26413	50	05561	00001	52	05655	16328							
299	51	05653	28114	5-	05548	18128				5-	05558	22228							
292	10	05662	00012	5-	01765	24215	5-	05654	24114	52	51655	20128							
310										--	57109	20349							
314	20	05664	28214	00	05690	26100	54	05661	00013	5-	57368	24128							
333	5-	01744	28424	54	01974	28314	5-	02748	20168	51	02864	20357							
334																			
340	03	05690	29322	03	05690	32302	5-	02768	00018	5-	02848	18328							
136	13	01851	20115	47	05663	24205	04	00590	24312	50	05665	18215							
336										52	52652	26328							
350	5-	05637	24147	00	05690	20210	5-	05564	22214	5-	05667	18327							
368	10	01861	22425	04	05690	22402				55	02944	21426							
379	54	05634	30245	60	00790	28210	5-	05654	32114	73	05654	02228							
390	57	01762	08125	54	01771	00013	00	08490	24140	53	05665	25127							
382	5-	05648	30228	00	05690	28200	03	05690	00014	57	05666	20127							
435	55	01763	16314							--	46219	23249							
430				07	05690	16113	00	05590	02100	10	05661	22111							
409	5-	02847	31427	5-	01734	31424	04	45190	27241	5-	51408	20348							

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

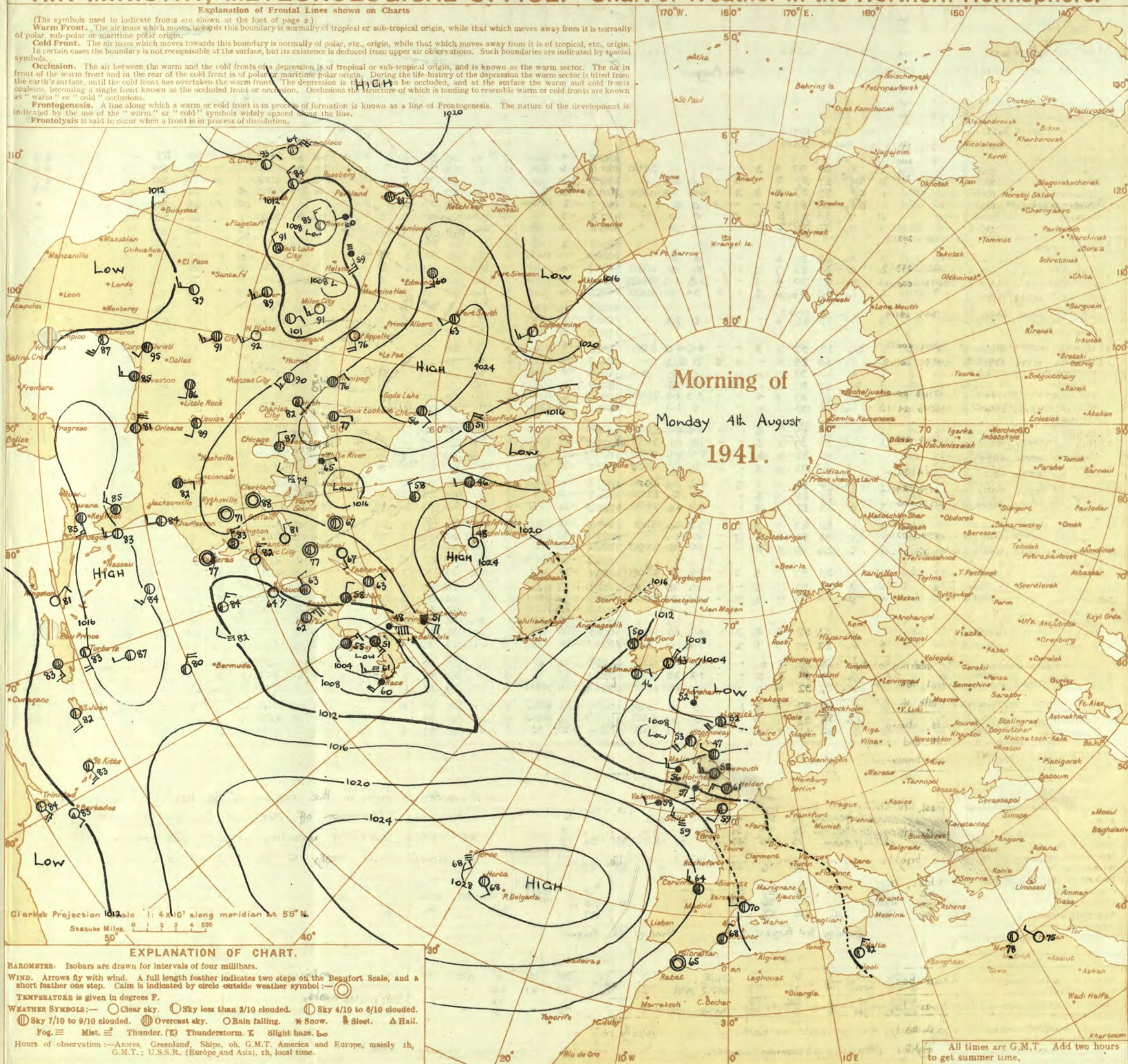




# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then 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.





THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Monday 4th August 1941  
No. 29110

OBSERVATIONS at 1 hr. G.M.T. 4th August															OBSERVATIONS at 7 hr. G.M.T. 4th August															PAST 24 HOURS.							
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		SUNSHINE 3rd Hrs. (36)	
					Direc. (3)	Force. 0-12 (4)					Form.	Amount. 0-10 (12)	Height of Base. (feet) (14)	Direc. (17)	Force. 0-12 (18)			Form.	Amount. 0-10 (23)					Height of Base. (feet) (25)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on 24h °F. (33)	Day 7h-18h mm. (34)			Night 18h-7h mm. (35)						
																																Low. (9)	Med. (10)	High (11)	Low (13)		Total (13)
1	London (Kew) ...	18												1010.8	-4	WSW	2	z.	60	52	6	5	-	-	7-8	9+	5700	1	*	74	57	47	-	-	6.3		
	Croydon ...	217	1013.4	-6	SSW	1	z.	59	97	5	5	-	1	1	3500	1011.0	-6	SSE	2	c	59	92	6	5	-	9+	9+	4000	1	*	76	54	51	-	-	5.6	
	S. Farnborough ...	226	1013.4	-6	-	0	bcl	57	97	3	3	-	0	2-3	-	1011.0	-6	W	1	c	59	92	7	5	3	7-8	9+	3000	1	*	75	54	46	-	-	6.7	
	Boscombe Down ...	417	1014.0	-8	NNW	1	cjg	59	97	5	5	3	4-6	7-8	4000	1011.8	-10	SW	2	z.	59	97	6	1	4	Fr	2-3	3000	0	*	74	56	48	-	-	4.3	
	Thames (Barnes) ...	108	1013.1	-10	WN	1	cjg	57	97	5	-	-	1	0	Fr	1011.7	-2	NNW	1	z.	59	97	6	1	-	1	1	2500	0	*	68	54	51	-	-	*	
	Lympe ...	346	1014.2	-10	-	0	z.	54	97	5	-	-	0	0	-	1012.8	-2	-	0	cf	56	97	2	5	-	9	9	4000	1	*	66	52	46	-	-	5.7	
	Manston ...	154	1012.5	-12	SSW	1	z.	56	92	6	-	-	0	0	-	1010.8	-2	WN	1	m	55	97	4	-	3	1	0	1	-	1	*	66	54	51	-	-	2.7
2	Shoeburyness ...	11												1011.3	-2	W	2	c	61	85	6	-	7	-	0	7-8	-	1	*	66	55	45	-	-	7.5		
	Felixstowe ...	15	1012.3	-10	WSW	2	z.	62	92	6	-	-	0	0	-	1009.9	-14	NNW	2	z.	60	85	5	-	4	0	1	-	1	*	67	57	54	-	-	5.3	
	Gorleston ...	5	1011.9	-14	WS	3	c	61	85	7	5	-	10	10	1500	1009.8	-4	WN	2	bc	57	97	6	5	-	2-3	2-3	800	0	3	65	56	54	-	-	*	
	Mildenhall ...	19	1011.9	-6	WSW	2	m	57	92	4	5	-	2-3	2-3	4000	1009.4	-10	WSW	2	z.	58	92	6	5	-	4-6	4-6	6000	0	*	75	53	48	-	Fr	6.6	
	Cranwell ...	240	1011.7	-10	NNW	3	z.	59	85	6	5	-	9+	9+	3000	1008.6	-16	SW	4	z.	60	85	6	5	7	7-8	10	3000	0	*	74	53	53	-	-	5.2	
3	Birmingham ...	535												1009.3	-16	SW	3	c	56	85	8	6	7	-	4-6	10	1500	1	*	71	56	47	-	-	6.7		
	Upper Heyford ...	408	1013.6	-10	NW	2	z.	59	85	6	-	3	-	0	7-8	-	1010.8	-2	SW	2	z.	60	85	6	5	7	9	9+	4000	1	*	72	55	49	Fr	-	*
4	Ross-on-Wye ...	223												1010.0	-16	SW	4	c	62	85	7	5	3	7	1	9+	4000	1	*	77	57	51	-	0.1	2		
5	Hartland Point ...	299	1014.9	-14	WSW	3	bc	59	97	7	5	-	4-6	4-6	800	1011.5	-14	WSW	4	c	60	97	7	5	2	5	10	800	0	3	63	58	54	-	-	5.1	
	Bristol ...	209	1013.9	-4	-	0	z.	60	85	6	-	4	8	0	2-3	-	1011.5	-14	WSW	4	z.	62	92	6	5	-	10	10	500	0	*	75	55	46	-	-	8.0
	Portland Bill ...	32	1018.5	-14	W	2	b	61	92	7	-	-	0	0	-	1011.5	-14	NNW	1	bc	60	85	7	5	-	4-6	4-6	2500	0	3	64	56	*	-	-	*	
	Plymouth ...	82	1015.6	-10	NNW	2	z.	57	97	6	-	-	1	0	Fr	-	1013.7	-6	WSW	1	z.	59	97	6	5	-	9+	9+	2000	0	2	74	56	53	Fr	-	8.1
	The Lizard ...	240	1016.0	-8	NNW	2	bc	57	97	8	4	-	2-3	2-3	2500	1014.7	-6	NNW	2	df	58	97	1	5	-	10	10	400	1	3	75	57	*	Fr	1	8.7	
	Seilly (St. Mary's) ...	163	1017.1	-10	NW	3	ft	59	97	2	-	-	1	0	2-3	-	1014.9	-8	NNW	4	ft	60	97	2	-	-	10	10	150	1	4	67	57	*	-	0.1	7.0
	Guernsey ...	175																																			
6	Pembroke ...	142	1015.2	-10	W	2	bc	59	97	7	8	-	4-6	4-6	2500	1011.4	-12	W	6	id	59	97	7	-	2	7-8	10	800	0	3	65	56	*	-	-	10.8	
7	Holyhead (Valley) ...	26	1011.6	-18	S	3	d.d.	57	97	5	5	-	10	10	300	1007.0	-22	SWW	4	c/d	59	97	3	5	7	1	10	1000	1	2	65	56	56	-	2	5.5	
	Chester (Sealand) ...	16	1012.1	-22	SW	1	bc	61	92	6	5	7	2-3	4-6	1500	1007.2	-22	WSW	1	c/d	63	85	8	5	1	9	10	2000	0	*	64	61	55	-	0.3	5.7	
8	Manchester ...	70	1012.1	-22	WS	3	d	59	92	6	5	-	10	10	1500	1007.4	-26	SSW	3	dd	60	97	4	5	-	10	10	200	1	*	65	57	52	-	0.6	6.3	
10	Spurn Head ...	29	1011.3	-4	NW	3	z.	61	92	6	2	5	4-6	7-8	4000	1007.5	-10	WSW	3	id.	61	85	6	-	2	10	10	1500	0	2	66	58	*	-	-	4.1	
	Catterick ...	175	1010.8	-18	WS	2	z.	58	85	6	5	-	Fr	Fr	2200	1006.7	-18	S	1	c	58	92	7	5	7	7-8	10	1500	0	*	75	55	50	-	-	8.0	
	Tynemouth ...	108	1010.9	-12	W	3	c	58	85	6	8	-	7-8	7-8	2500	1006.5	-20	SW	3	pr	56	85	6	5	-	9+	9+	1800	1	2	72	56	54	-	1	*	
11	St. Abbs Head ...	280	1009.2	-6	NNW	3	c	56	85	7	5	2	7-8	10	1500	1004.6	-18	NNW	3	ro.	54	97	7	5	2	4-6	10	2000	1	2	69	53	*	-	1	2.7	
	Leuchars ...	36	1008.4	-12	W	1	bc	53	92	8	-	7	0	2-3	-	1002.3	-32	WSW	2	c	54	92	7	5	2	7-8	10	2500	0	*	71	52	48	-	-	*	
12	Renfrew (Abbots L.) ...	19	1003.7	-18	WS	2	c	56	85	8	5	-	10	10	2500	1003.1	-38	SW	3	id.	56	92	7	6	7	7-8	10	800	0	*	65	55	53	Fr	Fr	0.8	
	Eske Dalemuir ...	794														1003.8	-30	SWS	3	dd	54	97	5	-	2	10	10	150	1	*	66	53	53	-	1	4.4	
	Point of Ayre ...	30	1011.0	-24	WSW	1	c	55	97	7	5	2	7-8	10	2500	1005.1	-28	WS	4	d.d.	58	97	7	6	2	4-6	10	1000	1	3	67	54	*	-	2	3.6	
13A	Tiree ...	22	1008.4	-28	-	0	o	54	92	7	5	-	10	10	1200	1000.0	-28	WSW	2	id.	54	97	7	5	-	9+	9+	1500	1	3	60	54	*	-	2	0.0	
13B	Stornoway ...	80	1007.4	-28	SSW	4	e/pr	53	92	7	5	7	7-8	9+	2000	1000.3	-34	SSW	3	rr	54	97	6	5	2	9	10	1000	1	2	60	53	*	0.2	4	1.5	
15	Dalwhinnie ...	1176														1002.2	-28	WSW	2	o	51	92	7	5	-	10	10	1500	0	*	65	48	41	Fr	-	4.4	
	Aberdeen ...	79														1001.6	-34	SSE	2	z.	55	92	6	5	-	10	10	500	0	2	68	49	39	Fr	Fr	1.6	
	Wick ...	119	1007.8	-14	SSW	2	c	53	92	8	5	7	4-6	10	4000	1001.2	-30	SSW	2	ro.	53	97	8	5	2	7-8	10	2000	0	*	60	51	50	*	*	*	
16	Sumburgh ...	30	1004.6	-14	WS	4	ro.	52	92	7	5	2	7-8	10	600	1001.1	-18	SW	3	ro.	52	92	7	5	-	4-6	10	1500	*	*	*	*	*	*	*		
17	Blacksod Point ...	18	1011.5	-24	WSW	4	df	58	97	3	6	-	10	10	150	1005.9	-24	W	3	rr	57	97	7	6	-	10	10	800	1	3	61	53	*	0.5	7	*	
18	Malin Head ...	84	1009.1	-32	W	3	id.	56	92	7	3	-	7-8	7-8	1500	1003.1	-26	W	4	rr	56	92	7	6	-	9+	9+	800	1	3	60	53	*	1	4	0.0	
	Aldergrove ...	288	1010.8	-26	WSW	1	d.d.	57	92	6	5	-	10	10	1400	1004.9	-26	WSW	2	rr	57	97	6	5	2	9	10	1800	1	*	65	55	49	Fr	3	0.0	
19	Birr Castle ...	173	1013.2	-22	SSW	3	c	60	97	8	5	1	9	10	2500	1007.7	-34	WSW	1	e/r	58	97	8	6	1	7-8	10	1500	0	*	74	57	55	Fr	1	2.5	
20	Valentia Obay ...	30	1016.7	-20	WS	2	id.	58	97	7	5	-	9+	9+	450	1011.7	-26	WSW	4	rr	60	97	6	6	2	9+	10	800	1	5	65	57	57	-	4	4.5	
	Roches Obay ...	22	1015.7	-16	NNW	2	c	62	92	8	5	-	4-6	7-8	2500	1010.4	-22	W	3	ir	60	92	8	6	2	4-6	9+	1500	1	3	71	59	*	-	0.5	*	

LONDON OBSERVATIONS.

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

Height above  
S.E.L., in feet.

18  
217  
149  
—  
27  
168  
110  
80  
450

Weather

Morning. Afternoon. Night.

24 hrs. ended 9h.

cnoZwcczoyczobcmw  
acmaczyczybybmwc  
c@y cbccgcbwc  
.  
.  
.  
bc bc bz  
bc bc  
bc

Temperature.

Day Max. Night Min. Min. on Grass °F.

°F. °F.

74 57 47  
76 54 51  
75 54 42  
76 56 55  
79 57 52  
77 56 49  
74 55 52

Rainfall.

Day Night

mm. mm.

— —  
— —  
— —  
— —  
— —  
— —  
— —

Sunshine.

Sunrise to Sunset hrs.

6-3  
5-6  
5-1  
.  
.  
.  
.  
.  
.

Humidity.

15h. 9h. G.M.T. % G.M.T. %

6  
7  
8  
.  
.  
.  
75  
79  
82

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T.—4th.....

SOUTH KENSINGTON.

Max. Time. Min. Time.

KEW OBSERVATORY.

Max. Time. Min. Time.

0.2 9-10h 40-1 0-3h  
2nd 4th

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.  
The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.  
THE BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No. Statute m/h. Beaufort No. Statute m/h. Beaufort No. Statute m/h.

0 1 4 13-18 9 47-54  
1 1-3 5 19-24 10 56-63  
2 4-7 6 25-31 11 64-75  
3 8-12 7 32-38 12 75  
8 39-46

COLUMNS 34, 35.  
Tr. = rain has fallen, but amount less than 0.1 mm.

COLUMNS 8, 22—Code for surface visibility.

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 1 1/2 miles.  
5 Poor visibility 2 1/2 "  
6 Moderate " 6 1/2 "  
7 Good " 12 1/2 "  
8 Very good " 31 "  
9 Excellent " beyond 31m.

COLUMN 30—Code for State of Sea.

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

FOREIGN OBSERVATIONS.

Evening of Sunday 3rd August Morning of Monday 4th August Past 24 Hours.

Barom. mb. Wind. Weather. Temp. °F. Barom. mb. Wind. Weather. Temp. °F. Max. Day °F. Min. Night °F. Rainfall. Day mm. Night mm.

Reykjavik (18h and 07h) ... .. 1008.6 E 1 ir 52 1011.5 — 0 bc 50 55 \* 0.2 \*  
Lisbon (18h and 07h) ... .. 1015.3 NNW 4 zo 77 1017.2 NNE 2 fs 68 81 64 — —  
Madrid (18h and 07h) ... .. 902.3 W 1 bc 70 — — — — — —  
Cairo (Heliopolis) (18h and 06h) ... 1008.5 SW 4 b 80 1007.4 NW 1 F 76 \* 73 \* Tr  
Toronto (13h and 01h) ... ..  
Washington (13h and 01h) ... ..

† Pressure at 1,000 dynamic metres level. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. † Sea disturbance reported from Dungeness.

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

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



AIR  
MINISTRY.THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.SECRET  
BRITISH SECTIONTuesday 5th August 1941.  
No. 29111

OBSERVATIONS at 13h. G.M.T. 4th August															OBSERVATIONS at 18h. G.M.T. 4th August															PAST 24 HOURS.						
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	° Humid. (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	° Humid. (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.						
				Direc. (3)	Force. 0-12 (4)					Form. (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base. (feet). (14)	Direc. (17)					Force 0-12 (18)	Form. (23)	Med. (24)	High (25)	Low 0-10 (26)			Total 0-10 (27)	Height of Base. (feet). (28)	7h.—13h. 4th (37)	13h.—18h. 4th (38)	18h.—4h. 5th (39)	4h.—7h. 5th (40)	
1	London (Kew)...	1007.3	-20	SW	4	c	71	65	8	7	-	7	4-6	10	2500	1004.3	-26	WSW	3	c/r	62	97	8	6	2	-	4-6	10	1500	1	*	cmowc	cmowc	cmowc	cmowc	
	Croydon ...	1007.7	-24	SW	3	c	71	65	8	2	-	1	-	9	10	2500	1005.1	-18	SSW	3	ro	62	97	7	6	2	-	9	10	900	1	*	cmowc	cmowc	cmowc	cmowc
	S. Farnborough	1007.6	-18	NNW	4	c	73	65	8	7	7	8	7-8	9	1800	1005.0	-14	WSW	4	c/r	63	92	8	6	2	-	7-8	10	600	1	*	cmowc	cmowc	cmowc	cmowc	
	Boscombe Down	1009.3	-16	WSW	5	ir	66	75	8	5	1	-	4-6	10	2000	1005.5	-22	SW	5	ir	61	92	7	6	-	-	10	10	800	1	*	cmowc	cmowc	cmowc	cmowc	
	Gravelly Hill (St. Paul)	1009.3	-12	SW	4	c	71	75	8	7	7	-	4-6	9	4000	1006.5	-16	WS	4	o/r	62	97	7	5	-	-	10	10	450	1	*	cmowc	cmowc	cmowc	cmowc	
	Lymington	1009.7	-14	S	2	z	68	75	6	1	-	6	4-6	7-8	5000	1007.7	-6	SW	4	RR	60	97	5	2	-	-	10	10	100	1	*	cmowc	cmowc	cmowc	cmowc	
	Manston	1008.4	-18	SW	3	z	70	75	6	8	-	-	7-8	7-8	2500	1005.7	-4	SWW	4	rr	62	92	5	6	2	-	7-8	10	300	1	*	cmowc	cmowc	cmowc	cmowc	
2	Shoeburyness ...	1008.1	-24	SW	3	c	73	65	7	8	1	-	4-6	10	2500	1005.5	-8	SSW	3	rr	63	92	6	6	1	-	7-8	10	1500	1	*	cmowc	cmowc	cmowc	cmowc	
	Felixstowe ...	1006.2	-22	SWW	4	c	72	65	7	7	3	-	2-3	9	2500	1003.7	-14	WSW	4	ro	62	92	7	5	2	-	2-3	10	3500	1	1	c	c	c	c	
	Gorleston ...	1006.0	-24	WSW	4	c	72	65	7	8	7	-	4-6	7-8	1800	1003.2	-12	SWW	4	pr	62	85	7	6	-	-	10	10	1200	1	3	bcc	bcc	bcc	bcc	
	Mildenhall ...	1005.1	-26	SWW	5	c	71	65	7	7	2	-	7-8	10	2000	1002.4	-22	SWW	5	ro	61	92	7	6	2	-	4-6	10	2000	1	*	c	c	c	c	
	Cranwell ...	1003.8	-26	WSW	4	c/r	68	65	8	1	-	-	4-6	10	1200	1000.6	-20	WS	4	rr	61	92	6	6	2	-	7-8	10	600	1	*	c/r	c/r	c/r	c/r	
3	Birmingham	1005.3	-14	SW	3	ir	63	75	8	6	2	-	4-6	10	800	1001.3	-22	SW	3	c	61	92	7	6	7	-	9	9	1500	1	*	c/r	c/r	c/r	c/r	
	Upper Heyford	1006.6	-22	WSW	5	ir	65	75	8	5	7	-	4-6	9	2500	1002.7	-30	SW	4	ir	61	92	6	6	2	-	9	10	600	1	*	c/r	c/r	c/r	c/r	
4	Ross-on-Wye ...	1006.6	-14	SW	4	ir	63	75	7	6	2	-	2-3	10	2500	1002.7	-20	WSW	4	c	63	85	8	6	7	-	2-3	10	2500	1	*	c/r	c/r	c/r	c/r	
5	Hartland Point	1003.3	-16	W	4	rr	60	97	7	8	2	-	9	10	1000	1006.1	-6	NNW	5	c	60	97	6	6	2	-	9	10	1000	1	5	cmowc	cmowc	cmowc	cmowc	
	Bristol ...	1003.2	-10	WSN	5	ir	61	92	8	6	2	-	9	10	900	1004.9	-26	WSW	5	id	61	92	8	6	2	-	7-8	10	800	1	*	cmowc	cmowc	cmowc	cmowc	
	Portland Bill ...	1009.3	-16	SW	4	c	61	92	7	5	-	-	10	10	2500	1007.1	-16	SW	5	rr	60	92	7	5	-	-	10	10	2500	1	4	c	c	c	c	
	Plymouth ...	1011.9	-12	WS	4	c/r	61	97	7	5	-	-	10	10	800	1008.2	-26	W	4	rr	59	97	6	6	2	-	9	10	300	1	3	c	c	c	c	
	The Lizard ...	1013.1	-8	WS	5	c/r	60	97	8	2	-	-	7-8	9	2100	1009.3	-24	WN	6	dr	59	97	6	5	-	-	10	10	1200	1	5	FFdc	FFdc	FFdc	FFdc	
	Soilly (St. Mary's)	1013.0	-14	W	4	c	61	92	7	8	7	-	7-8	9	1500	1009.8	-16	NNW	5	c/r	59	97	7	8	7	-	7-8	10	800	1	4	ofodf	ofodf	ofodf	ofodf	
	Guernsey ...	1013.0	-14	W	4	c	61	92	7	8	7	-	7-8	9	1500	1009.8	-16	NNW	5	c/r	59	97	7	8	7	-	7-8	10	800	1	4	ofodf	ofodf	ofodf	ofodf	
6	Pembroke ...	1007.7	-14	WS	6	rr	60	97	6	6	2	-	7-8	10	800	1005.2	-4	W	6	c/r	59	92	7	8	1	-	4-6	10	2000	1	5	c/r	c/r	c/r	c/r	
7	Holyhead (Valley)	1002.6	-30	SW	5	z	53	97	6	5	7	-	9	10	300	1001.5	-4	SW	4	c/r	59	85	8	8	-	-	7-8	7-8	2500	1	2	c/r	c/r	c/r	c/r	
	Chester (Sealand)	1003.0	-30	SWW	4	c/r	61	85	7	5	2	-	7-8	10	1500	1001.3	-4	WN	4	c/r	62	65	8	8	7	-	7-8	7-8	2000	1	*	c/r	c/r	c/r	c/r	
8	Manchester ...	1003.3	-24	SWW	3	pr	60	85	6	5	-	-	4-6	10	1100	1000.3	-4	W	3	c/r	60	92	8	5	7	-	4-6	7-8	1800	1	*	DDA	DDA	DDA	DDA	
10	Spurn Head ...	1002.7	-30	WSW	4	c	67	65	6	8	7	-	4-6	9	2500	998.9	-22	SWW	4	ir	63	85	7	8	7	-	4-6	9	2500	1	4	cm	cm	cm	cm	
	Catterick ...	1001.1	-22	W	4	c	61	75	8	5	2	-	4-6	10	1000	1007.6	-8	NNW	4	c	64	65	8	8	7	-	4-6	9	1200	0	2	ccir	ccir	ccir	ccir	
	Tynemouth ...	1000.4	-28	W	3	c/r	61	75	6	8	-	-	7-8	7-8	2500	997.8	-12	W	4	c	62	75	7	8	3	-	4-6	7-8	2400	1	2	oirc	oirc	oirc	oirc	
11	St. Abbs Head	998.2	-38	W	2	c/r	57	85	8	5	2	-	4-6	10	2000	995.5	-8	WN	3	bc	60	65	9	5	4	-	4-6	7-8	2500	0	2	cr	cr	cr	cr	
	Leuchars ...	996.6	-10	SW	3	c	60	85	8	7	-	-	7-8	9	1500	993.8	-16	WN	4	bc	62	65	8	8	-	-	4-6	4-6	2200	0	*	cr	cr	cr	cr	
12	Renfrew (Abbots L.)	993.3	-20	W	3	ir	57	92	8	6	7	-	9	10	900	996.8	-10	WS	4	bc	59	65	8	8	3	-	4-6	4-6	1200	1	*	cr	cr	cr	cr	
	Eskdalemuir ...	993.8	-20	WSW	3	c	56	85	7	5	-	-	10	10	1500	996.7	-8	W	3	c/r	57	75	8	5	-	-	9	9	1500	1	*	ad	ad	ad	ad	
	Point of Ayre ...	1001.1	-20	W	5	c	63	92	8	8	-	-	9	9	2500	993.6	-6	WN	4	c/r	56	92	8	8	7	-	4-6	9	3000	1	3	rr	rr	rr	rr	
13A	Three ...	998.9	-6	WN	4	c	58	85	8	8	-	-	7-8	7-8	1500	995.8	-6	NNW	4	bc	57	85	8	8	6	-	4-6	4-6	1800	1	4	c/r	c/r	c/r	c/r	
13B	Stornoway ...	996.1	-24	WSW	4	pr	55	92	6	8	7	-	7-8	10	1000	994.3	-4	NNW	4	c	57	92	8	5	6	-	4-6	7-8	2000	1	2	c/r	c/r	c/r	c/r	
15	Dalwhinnie ...	996.6	-20	SW	3	c	58	85	8	5	5	-	4-6	9	1500	997.1	-8	SW	4	c	58	75	7	5	6	-	4-6	7-8	1500	1	*	op	op	op	op	
	Aberdeen ...	996.5	-26	SWW	2	c/r	57	92	6	5	7	-	7-8	10	1000	993.1	-14	-	0	PR	58	92	6	3	-	-	9	9	2500	1	2	err	err	err	err	
	Wick ...	995.4	-26	S	3	c	54	97	7	5	7	-	7-8	10	400	992.8	-14	NNW	3	c/r	57	85	8	8	7	-	2-3	9	900	1	*	cr	cr	cr	cr	
	Sumburgh ...	995.6	-28	SW	3	rr	53	97	6	6	2	-	8	10	600	992.3	-18	W	2	c	54	92	8	5	3	-	9	9	2500	*	*	pr	pr	pr	pr	
17	Blackrod Point...	1005.1	-6	W	5	c/r	61																													

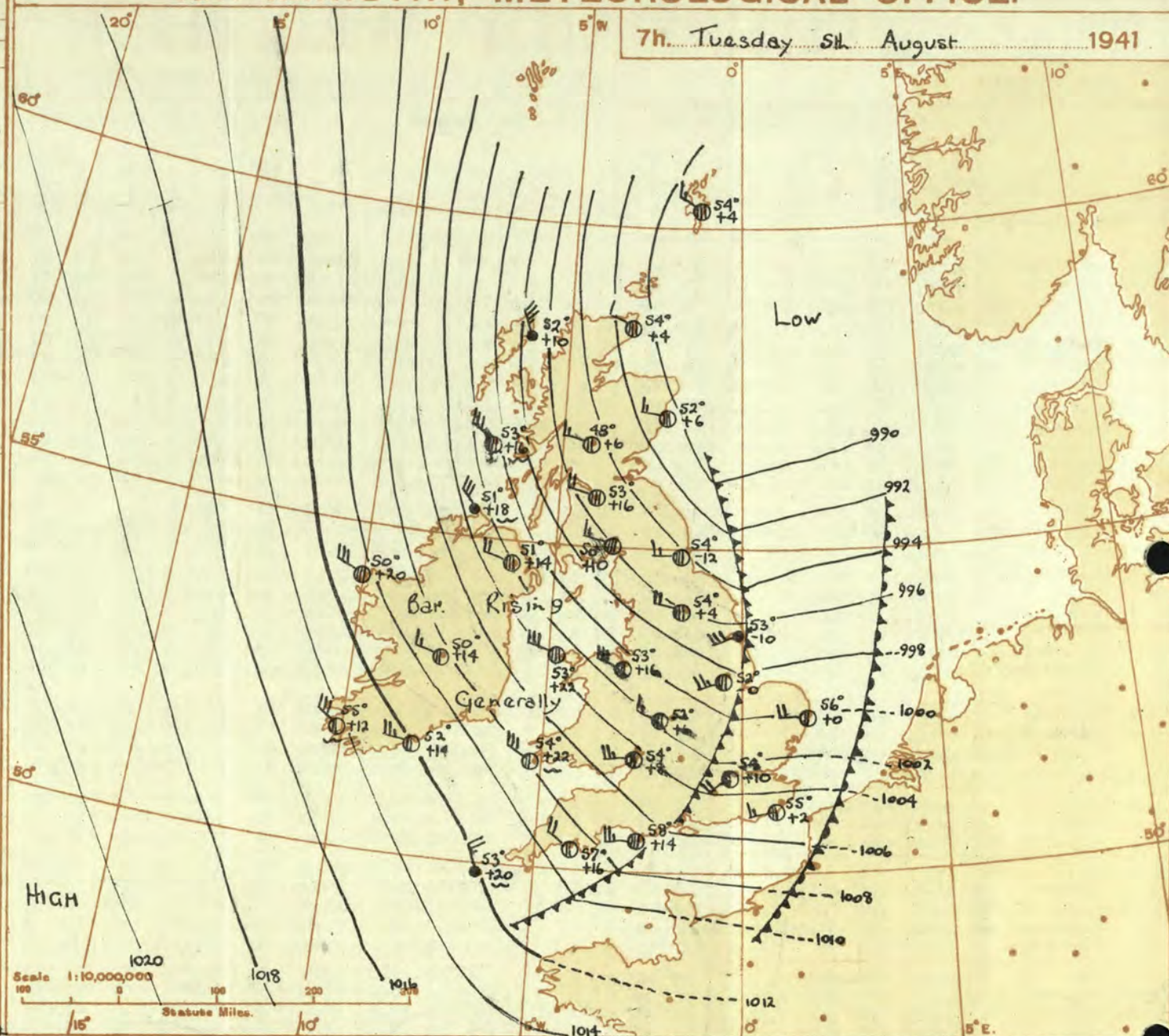


Abridged observations of additional stations in the AVIATION WEATHER CODE											
13h. G.M.T. 4th. August 18h. G.M.T.				01h. G.M.T. 5th. August 07h. G.M.T.							
III	C <sub>u</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>u</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>u</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>u</sub>	wwVhN <sub>h</sub>
109	5-	61538	24368	87	02854	24325				87	25845
115	52	81736	20488								27356
203	8-	81837	20467				5-	81838	32588	6-	82837
206	52	62956	18268	87	25955	22287	8-	02866	00026	87	81855
210	82	10854	20267	83	81955	26368	53	02955	20227	8-	02966
220	83	01854	24315	83	25854	23385				82	81645
230	83	02856	25267	87	81856	20487	8-	02747	24487	8-	25747
245	57	22636	20367	8-	25365	24485	53	02755	26226	84	25965
260	57	22845	22266	26	01853	22414	56	02865	20215	57	02866
278											24287
279				8-	05857	22387				5-	61844
285	6-	63638	24568							6-	64538
288	81	22844	20368	97	02734	21385	8-	01855	21185	8-	02857
375											24387
301	62	64526	24468	83	01854	60464	23	02845	59686	9-	25738
321	52	62734	20468	87	22743	56466	57	63545	26265	93	25644
299	5-	22548	20368	5-	22648	20368	50	01753	22313	57	02745
292	52	61745	20358	87	01852	24365	40	01864	22284	87	81856
310	--	02628	24468							--	67429
614	57	61754	55468	87	22655	22367	50	05645	20385	62	63636
333	52	02727	20468	23	25854	24485	8-	81848	57588	2-	01744
334										--	28584
340	52	63865	53468	8-	22867	22367	83	01754	22225		54647
136	82	25745	20417	57	02734	18568	8-	81757	22367	86	25734
336	62	64663	24468	52	22763	24567				62	64653
350	87	61745	20428	62	61735	18468	53	01743	22463	8-	02745
368	02	64638	22568	62	61627	24568					20425
379	62	61742	22588	6-	22828	03660	53	01746	20314	53	02844
390	57	81754	26328	52	63654	22368	5-	05686	24466	83	01764
382	57	61865	55525	62	57727	20468	03	02850	22315	84	02855
438	--	44209	24449							86	10844
430	87	03663	55427	62	22726	55568	57	01743	24414	86	00853
409	5-	61618	20568	52	41607	23568	20	01744	57514	50	01854
											27514

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

# AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 5th August 1941



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 5th August
1 S.E. England	Moderate or fresh W to NW wind, strong on E coast; bright periods; showers and local thunder; cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands	
5 S.W. England	Fresh NW wind, strong or gale locally on coast; showers and bright periods; cool.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Fresh N wind, strong to gale on coast; bright periods and showers; local thunder; cool.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Fresh NW-N wind, strong or gale locally on coasts; mainly cloudy but bright intervals; frequent showers; cool.
13 A. W. Scotland	
13 B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	Moderate N wind increasing to fresh or strong gale at exposed places; cloudy; frequent showers; cool.
16 Orkneys and Shetlands	
17 N. W. Ireland	Fresh or strong NW wind, gale locally on coasts; bright periods and showers; cool.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.  
 BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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.

**GENERAL INFERENCE.**  
 A deep depression centred between Shetland and Norway is almost stationary. Cool NW winds over the British Isles will reach gale force at times on the coasts in the West and North. Weather will be showery but with bright intervals in most districts. Thunder will occur locally with some of the heavier showers especially in E and SE England later in the day.

**FURTHER OUTLOOK.**  
 Bright periods and occasional showers in most districts.  
 Gale warning in operation in districts 6, 7, 8, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, and parts of districts 2 and 5. Times of issue 0255 and 0300 5/8/41.

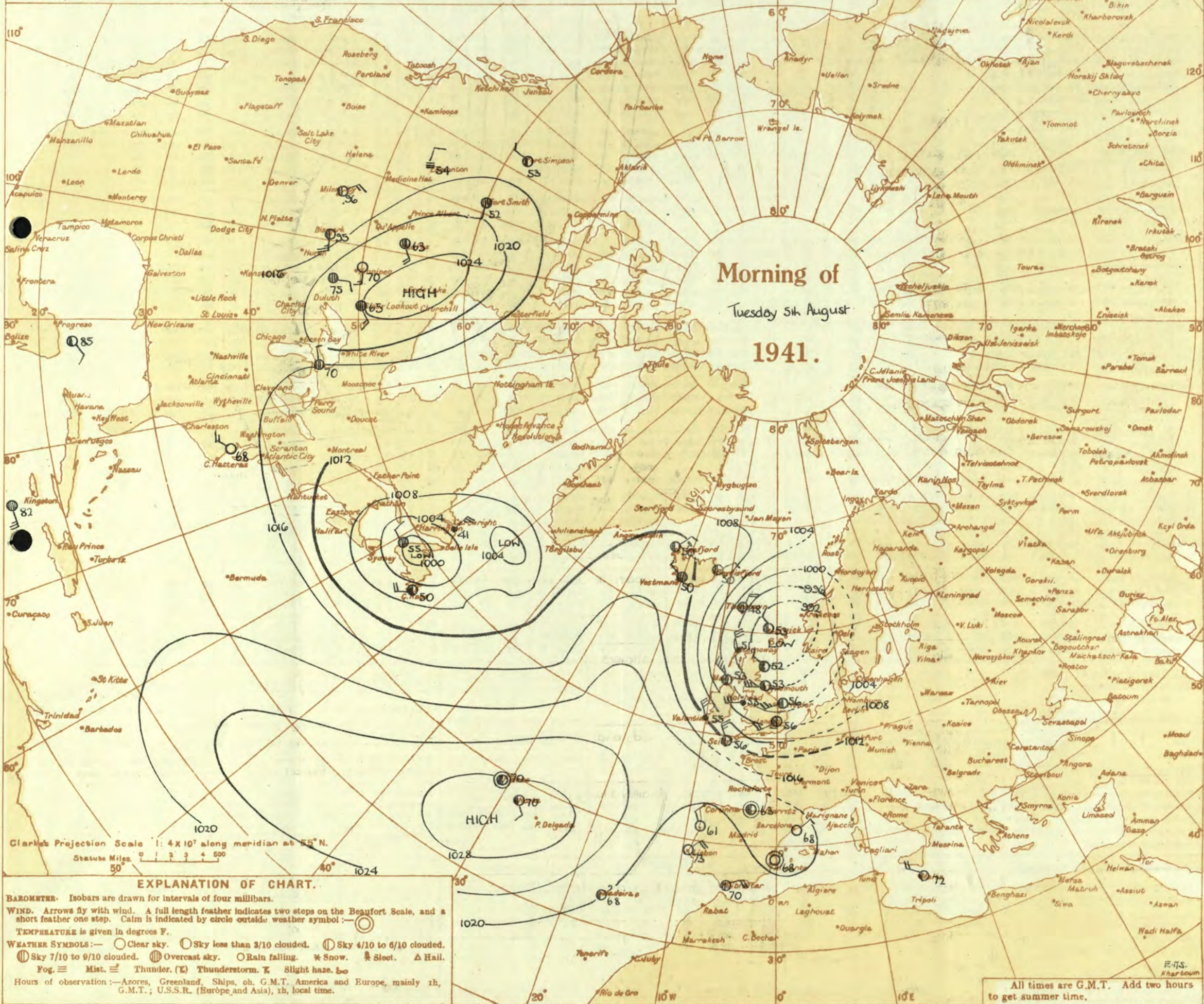
Forecasts issued at 1030 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.  
 H.M.S.O. Press, Meteorological Office, Dunstable. G 269/4080. No. 9/76. D 6034. Op. 346. 3500. 3/41



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.  
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 5th August														OBSERVATIONS at 7 hr. G.M.T. 5th August														PAST 24 HOURS.										
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE 4th Hrs.		
					Direc.	Force.					Low.	Med.	High.	Low.	Med.			High.	Low.					Med.	High.	Low.	Med.	High.			Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.			
																																					0-12	0-10
1	London (Kew)	18	1002.7	0	WSW	3	bc	56	92	7	5	3	1	2-3	4-6	1003.1	+8	WSW	4	bc	55	85	6	8	3	1	4-6	4-6	1500	1	*	72	54	48	19	8	1.2	
	Croydon	217	1003.3	-2	WS	3	bc	56	92	8	5	1	1	2-3	4-6	1003.2	+10	WSW	4	bc	54	85	8	5	5	1	2-3	4-6	1200	1	*	73	52	49	3	7	2.8	
	S. Farnborough	226	1003.3	-2	WS	3	bc	56	92	8	5	1	1	2-3	4-6	1003.7	+8	WSW	4	c	54	85	8	8	3	6	4-6	7-8	2000	1	*	73	51	47	3	6	2.3	
	Boacombe Down	417	1004.5	-4	W	4	pr	55	97	6	8	-	-	9	9	1005.1	+6	WN	5	bc	54	85	8	2	6	1	2-3	4-6	1600	1	*	69	49	45	2	6	2.0	
	Canby (St. Leonards)	108	1004.5	-2	W	4	bc	59	85	7	5	7	-	1-3	4-6	1005.0	+8	W	5	bc	57	75	7	8	4	1	2-3	4-6	2500	1	*	74	54	51	2	3	*	
	Lympne	346	1004.3	-4	W	3	zo	57	85	6	5	7	-	4-6	7-8	1004.7	+2	WSW	3	bc	55	75	8	8	4	1	4-6	3-5	3500	1	*	71	53	50	2	4	5.6	
	Manston	154	1001.9	-6	WS	4	e	58	92	7	5	7	-	9	10	1002.6	+6	WS	4	bc	56	75	8	2	6	1	4-6	2-3	2000	1	*	74	54	52	0.5	10	4.9	
2	Shoeburyness	11	1000.4	-4	NW	4	bc	59	85	7	5	7	-	2-3	2-3	1000.6	+6	WS	4	c	57	75	8	9	7	-	7-8	9	2500	1	*	75	55	51	8	7	4.4	
	Felixstowe	15	1000.4	-4	NW	4	bc	59	85	7	5	7	-	2-3	2-3	1000.6	+6	WS	4	b	56	75	8	7	-	-	1	1	3700	1	3	74	55	52	1	9	3.5	
	Gorleston	5	1000.1	-6	WN	2	bc	58	92	7	5	3	-	4-6	4-6	999.7	0	W	4	bc	56	85	7	8	3	-	2-3	4-6	1800	1	3	72	53	50	0.5	7	*	
	Mildenhall	19	1000.0	-2	WSW	3	c	57	85	7	5	-	-	9	9	999.7	+4	WSW	5	c	54	85	8	5	3	-	7-8	9	2000	1	*	72	52	47	1	3	1.7	
	Cranwell	240	999.5	-6	WSW	4	pr	53	92	7	8	3	-	4-6	7-8	998.3	0	WSW	5	c/pr	52	92	8	8	3	-	2-3	7-8	800	1	*	68	50	47	3	0.6	0.2	
3	Birmingham	535	1001.9	0	W	3	bc	54	92	7	5	-	-	2-3	4-6	1001.9	+6	WNW	3	c/pr	52	85	8	6	7	-	4-6	7-8	1500	1	*	67	50	45	3	3	0.6	
	Upper Heyford	408	1002.0	0	W	3	bc	54	92	7	5	-	-	2-3	4-6	1002.1	+4	WS	4	c	54	85	8	5	4	-	7-8	7-8	2100	1	*	68	49	47	1	3	*	
4	Ross-on-Wye	223	1003.6	0	W	5	bc	54	75	8	8	-	-	2-3	4-6	1003.6	+8	W	5	bc	54	75	8	8	-	2	2-3	4-6	2500	0	*	66	53	49	0.2	-	0.3	
5	Hartland Point	299	1005.9	0	NW	5	bc/pr	56	85	8	3	6	-	4-6	4-6	1007.8	+20	NW	5	bc	54	65	8	2	5	-	4-6	4-6	2500	1	5	62	53	51	12	2	0.0	
	Bristol	209	1004.2	-4	W	5	bc	56	75	7	5	3	-	2-3	4-6	1005.2	+14	WNW	4	c	55	65	9	2	6	-	7-8	7-8	2200	1	*	67	52	47	5	0.1	0.2	
	Portland Bill	32	1005.1	-10	W	5	c	59	92	8	5	-	-	10	10	1006.0	+14	W	5	c	58	85	8	5	-	-	7-8	7-8	1500	1	4	64	54	*	2	0.6	*	
	Plymouth	82	1007.6	-6	W	8	b	57	85	8	8	4	-	4-6	4-6	1008.8	+16	NW	4	bc	57	75	8	8	-	-	4-6	4-6	1500	1	4	63	54	51	3	1	0.2	
	The Lizard	240	1009.3	-4	WNW	6	bc	55	85	8	8	-	-	4-6	4-6	1011.9	+20	NW	6	c	56	75	8	8	6	-	7-8	7-8	2500	1	5	63	54	*	2	0.5	0.0	
	Scilly (St. Mary's)	163	1010.6	+4	NW	6	bc	56	85	8	8	7	-	2-3	4-6	1011.8	+20	NNW	5	pr	53	85	8	8	6	-	4-6	7-8	1200	1	5	64	52	*	3	1	0.0	
	Guernsey	175	1005.7	0	WN	5	c	56	85	8	8	6	-	4-6	7-8	1007.6	+22	NW	6	bc	54	75	7	1	-	-	4-6	4-6	2500	1	5	60	52	*	3	0.4	0.0	
6	Pembroke	142	1000.3	-10	W	6	pr	53	97	6	8	-	-	9	10	1000.8	+22	WNW	6	c	53	75	8	8	-	-	7-8	7-8	2500	1	3	66	53	50	5	0.2	*	
7	Holyhead (Valley)	26	1000.1	-10	W	5	bc	55	65	7	8	3	-	4-6	4-6	1000.8	+16	WNW	6	c	53	75	6	5	-	-	9	9	1800	1	*	67	53	49	1	2	1.0	
8	Chester (Sealand)	16	999.3	-6	WS	4	e	54	85	7	8	4	-	7-8	7-8	998.6	+10	WN	6	pr	52	92	6	8	7	-	7-8	9	1200	2	*	63	51	49	10	7	0.9	
10	Spurn Head	29	997.7	0	WS	5	c	56	85	6	8	5	-	4-6	7-8	996.0	-10	WSW	6	bc	53	85	7	9	9	-	4-6	9	4000	1	4	68	52	*	1	Tr	0.0	
	Catterick	175	996.4	-14	W	1	b	52	85	8	2	-	-	1	1	2800	995.0	+4	WNW	4	c	54	85	8	8	5	5	4-6	7-8	3800	1	*	65	51	42	Tr	0.6	1.4
	Tynemouth	108	995.9	-10	W	5	bc	53	85	7	2	3	-	2-3	2-3	2500	993.8	-12	W	3	c/pr	54	85	7	8	4	-	7-8	9	2000	1	2	64	52	49	3	0.1	*
11	St. Abbs Head	280	993.3	-10	W	3	bc	52	85	8	4	4	-	2-3	4-6	2500	992.6	+6	NW	3	c	53	85	8	5	6	-	4-6	7-8	3500	0	2	63	50	*	1	-	*
	Leuchars	36	992.4	-6	W	3	bc	50	97	9	5	-	-	4-6	4-6	3200	992.7	+10	NW	3	c	55	75	8	8	4	-	7-8	9	2500	0	*	64	48	43	2	-	3.3
12	Renfrew (Abbots I.)	19	994.3	-14	WSW	1	pr	52	92	7	8	3	-	9	9	900	995.5	+16	WNW	4	c/pr	53	85	8	8	3	1	4-6	9	1600	1	*	63	51	47	1	1	2.0
	Eskdalemuir	794	996.8	-14	WNW	6	c/pr	54	92	8	8	2	-	4-6	9	2000	998.8	+14	NW	3	c/r	50	85	8	5	-	-	10	10	1500	1	*	60	48	46	4	1	0.8
	Point of Ayre	30	996.8	-14	WNW	6	c/pr	54	92	8	8	2	-	4-6	9	2000	998.8	+14	NW	8	pr	53	85	8	9	-	-	9	9	2000	1	5	64	52	*	9	1	3.1
13A	Tiree	22	996.8	+14	NW	6	c	52	85	7	8	-	-	9	9	1500	999.2	+16	NW	6	c	53	85	7	8	-	-	7-8	7-8	1500	0	6	60	49	*	2	1	4.7
13																																						



AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

# SECRET

 Wednesday 6th August 1941.  
 No. 29112

OBSERVATIONS at 13h. G.M.T. 5th August														OBSERVATIONS at 18h. G.M.T. 5th August														PAST 24 HOURS.								
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	% Humid. (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. (15)	Change in 8 hours. (16)	Wind.		Weather.	Temp. °F. (20)	% Humid. (21)	Visibility. 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.								
				Dirac. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Form. (23)			Amount. (24)	Height of Base. (feet) (25)					7h.—13h. 5th. (37)	13h.—18h. 5th. (38)	18h.—5th 6th. (39)	1h.—7h. 6th. (40)											
1	London (Kew)...	1004.4	+6	W'S	4	pr	59	45	8	8	-	3	7-8	9	1500	1006.3	+12	W'S	4	c/pr	56	65	8	8	3	3	4-6	9	2500	1	*	becpr	pr	becpr	becpr	cbr cbc
	Croydon ...	1004.4	+6	NW	4	c/pr	61	55	8	2	6	3	2-3	7-8	2500	1006.4	+14	W'S	3	c/pr	53	85	8	3	6	3	4-6	9	2000	1	*	becpr	pr	becpr	cbr cbc	
	S. Farnborough	1005.0	+2	W'S	5	c	63	45	8	8	6	-	7-8	7-8	3500	1007.2	+10	W'S	4	c/pr	54	75	8	8	6	-	7-8	9	2800	1	*	becpr	pr	becpr	cbr cbc	
	Boscombe Down	1007.4	-6	NW	5	c/pr	53	85	7	8	-	-	7-8	7-8	3000	1008.2	+6	W'S	4	bc	56	75	8	5	6	-	2-3	4-6	3500	1	*	becpr	pr	becpr	cbr cbc	
	Thorney Island	1006.3	+6	NW	5	bc	63	55	8	2	7	1	2-3	4-6	4000	1008.0	+6	W'S	4	pr	58	65	8	3	6	-	7-8	9	2500	1	*	becpr	pr	becpr	cbr cbc	
	Lymington	1005.0	-2	W'S	5	bc/pr	60	55	9	3	6	3	4-6	4-6	4000	1006.8	+10	NW	4	c/pr	55	65	8	3	6	3	4-6	9	4000	1	*	becpr	pr	becpr	cbr cbc	
	Manston	1003.2	+2	W'S	4	tlc	62	55	8	8	-	-	4-6	4-6	2500	1005.0	+12	W'S	4	c/pr	54	85	8	2	6	-	7-8	9	2000	1	*	becpr	pr	becpr	cbr cbc	
2	Shoeburyness ...	1003.6	+2	W'S	5	c	62	55	8	2	6	-	4-6	7-8	2500	1004.9	+8	W'S	4	pr	57	65	8	2	7	-	4-6	7-8	1500	1	*	becpr	pr	becpr	cbr cbc	
	Felixstowe ...	1002.1	+10	W'S	5	pr	57	75	8	9	-	3	7-8	7-8	3000	1002.7	+4	W'S	5	pr	59	85	8	2	6	-	9	9	3000	1	4	becpr	pr	becpr	cbr cbc	
	Gorleston ...	1000.3	+12	NW	5	pr	60	65	7	8	-	-	7-8	7-8	2000	1001.3	-4	W'S	4	c	53	85	7	6	-	-	9	9	2500	1	3	becpr	pr	becpr	cbr cbc	
	Mildenhall ...	1000.9	+2	W'S	6	cq	61	45	8	8	-	-	7-8	7-8	2000	1002.0	+2	W'S	5	pr	54	75	7	9	-	-	9	9	1500	1	*	becpr	pr	becpr	cbr cbc	
	Cranwell ...	1000.8	-14	W'S	6	pr	53	75	8	8	6	-	9	10	1600	1000.9	0	W'S	5	c/pr	54	85	7	8	-	-	9	9	1800	1	*	becpr	pr	becpr	cbr cbc	
3	Birmingham	1003.3	+2	NW	5	pr	57	55	8	8	-	-	9	9	2500	1004.8	+4	NW	4	c/pr	53	85	8	5	7	-	9	9	2500	1	*	becpr	pr	becpr	cbr cbc	
4	Upper Heyford	1003.8	+4	W'S	4	pr	60	55	9	8	7	-	7-8	7-8	2200	1005.5	+4	W'S	4	c	54	75	8	5	7	-	7-8	9	1800	1	*	becpr	pr	becpr	cbr cbc	
	Ross-on-Wye ...	1006.4	+6	W'S	5	pr	61	75	8	9	-	3	7-8	7-8	2500	1007.2	0	W'S	8	c/pr	59	85	8	5	7	-	7-8	9	2500	1	*	becpr	pr	becpr	cbr cbc	
5	Hartland Point	1010.3	+10	NW	5	bc	56	65	8	3	-	-	4-6	4-6	2700	1011.4	+6	NW	5	bc	58	65	8	2	4	6	2-3	4-6	2500	0	5	becpr	pr	becpr	cbr cbc	
	Bristol ...	1007.5	+4	NW	5	bc	58	65	8	3	-	-	2-3	2-3	2400	1008.6	0	NW	6	c	58	85	9	2	3	9	4-6	7-8	2500	1	5	becpr	pr	becpr	cbr cbc	
	Portland Bill ...	1008.4	+10	W'S	5	bc	58	85	8	2	-	-	4-6	4-6	4000	1010.1	+8	W'S	5	bc	58	85	8	2	-	-	4-6	4-6	4000	1	5	becpr	pr	becpr	cbr cbc	
	Plymouth ...	1011.6	+12	NW	5	bc/pr	61	65	8	8	-	-	4-6	4-6	1500	1012.5	+6	NW	6	bc	59	65	8	2	-	3	4-6	4-6	2000	1	4	becpr	pr	becpr	cbr cbc	
	The Lizard	1013.6	+12	NW	6	bc	56	75	8	6	-	-	4-6	4-6	2500	1014.2	+4	NW	6	bc	58	65	8	2	6	-	4-6	4-6	2500	1	4	becpr	pr	becpr	cbr cbc	
	Scilly (St. Mary's)	1014.3	+8	NW	5	c	63	65	8	8	6	-	4-6	9	1500	1015.7	+14	NW	5	bc	60	65	8	4	-	4-6	4-6	1500	0	4	becpr	pr	becpr	cbr cbc		
	Guernsey ...	1009.7	+4	NW	5	bcq	57	65	8	2	-	-	2-3	2-3	3000	1011.1	+4	NW	5	bcq	58	85	8	2	4	1	2-3	2-3	3000	0	4	becpr	pr	becpr	cbr cbc	
6	Pembroke ...	1014.3	+6	NW	6	bcq	54	97	7	5	-	-	10	10	800	1006.5	+4	NW	7	pr	55	85	7	8	-	10	10	1500	1	4	becpr	pr	becpr	cbr cbc		
7	Holyhead (Valley)	1002.8	+6	NW	6	bcq	54	75	7	5	-	-	10	10	1200	1003.3	+2	NW	5	pr	55	85	6	9	-	-	7-8	10	500	1	4	becpr	pr	becpr	cbr cbc	
8	Chester (Sealand)	1001.0	+4	W'S	5	pr	53	85	6	8	-	-	10	10	800	1001.7	+4	W'S	5	pr	55	92	7	8	3	-	4-6	9	1200	1	4	becpr	pr	becpr	cbr cbc	
	Manchester ...	1001.0	+4	W'S	5	pr	53	85	6	8	-	-	10	10	800	1001.7	+4	W'S	5	pr	55	92	7	8	3	-	4-6	9	1200	1	4	becpr	pr	becpr	cbr cbc	
10	Spurn Head	996.8	+2	W'S	7	c	56	75	7	8	6	-	4-6	7-8	4000	997.5	+2	W'S	6	bc	58	75	6	9	8	-	7-8	9	1500	1	5	becpr	pr	becpr	cbr cbc	
	Catterick ...	996.5	+2	NW	4	c	62	55	8	8	6	-	4-6	7-8	2800	998.4	+14	NW	3	c/pr	56	85	8	5	7	8	4-6	9	2500	0	8	becpr	pr	becpr	cbr cbc	
	Tynemouth ...	995.4	+6	N	3	c/pr	56	75	7	2	-	-	7-8	7-8	3400	997.3	+16	NW	5	c/pr	59	65	7	8	-	-	9	9	2400	1	2	becpr	pr	becpr	cbr cbc	
11	St. Abbs Head	993.9	0	NW	4	pr	58	75	9	6	2	5	2-3	7-8	2000	999.7	+12	N	5	rr	55	92	8	5	2	-	9	10	1500	1	3	becpr	pr	becpr	cbr cbc	
	Leuchars ...	993.9	+6	NW	5	c	61	85	9	8	-	-	9	9	3500	999.7	+12	NW	6	c/pr	56	75	9	9	-	-	9	9	1800	1	*	becpr	pr	becpr	cbr cbc	
12	Reafrow (Abbots I.)	997.7	+10	NW	6	c	62	65	9	8	9	2	4-6	7-8	2000	1002.9	+36	N	3	c	57	75	8	7	-	9	9	2000	1	*	becpr	pr	becpr	cbr cbc		
	Esksdalemuir ...	996.5	+8	NW	4	c/pr	54	75	8	5	-	-	9	9	2500	999.8	+26	NW	5	c/pr	53	65	8	8	-	-	10	10	2500	1	*	becpr	pr	becpr	cbr cbc	
	Point of Ayre ...	1001.0	+8	NW	7	c/pr	56	85	7	9	-	-	9	9	1500	1003.0	+12	NW	7	c	57	85	7	9	-	-	9	9	2000	1	5	becpr	pr	becpr	cbr cbc	
13A	Tiree ...	1002.6	+16	NNW	6	c/pr	56	85	7	8	-	-	7-8	7-8	1500	1009.0	+24	NNW	6	bc	55	75	8	6	-	4-6	4-6	2100	0	6	becpr	pr	becpr	cbr cbc		
13B	Stornoway ...	1002.7	+46	N	7	ir	54	85	6	8	2	-	9	10	900	1008.1	+14	NNW	6	pr	52	85	8	8	-	-	9	9	1200	1	4	becpr	pr	becpr	cbr cbc	
15	Dalwhinnie ...	997.6	+22	NW	3	pr	49	85	6	5	-	-	10	10	1500	1002.7	+30	NNW	7	c	50	85	8	6	6	4-6	7-8	2500	1	*	becpr	pr	becpr	cbr cbc		
	Aberdeen ...	993.3	+6	NW	4	pr	61	65	8	9	3	-	9	9	1800	998.0	+34	NNW	6	bc	51	92	6	2	-	9	10	1100	1	4	becpr	pr	becpr	cbr cbc		
	Wick ...	995.2	+34	N'E	6	ir	55	92	7	5	2	-	7-8	10	600	1001.9	+38	N	6	bcq	53	75	7	3	7	3	2-3	4-6	900	1	*	becpr	pr	becpr	cbr cbc	
16	Sumburgh ...	992.8	+20	N'E	6	bcq	54	85	8	6	2	-	7-8	10	1000	998.6	+30	N	6	c	52	65	8	2	3	-	4-6	7-8	1500	1	*	becpr	pr	becpr	cbr cbc	
17	Blacksod Point...	1013.7	+18	NW	7	bcq	59	65	8	3																										



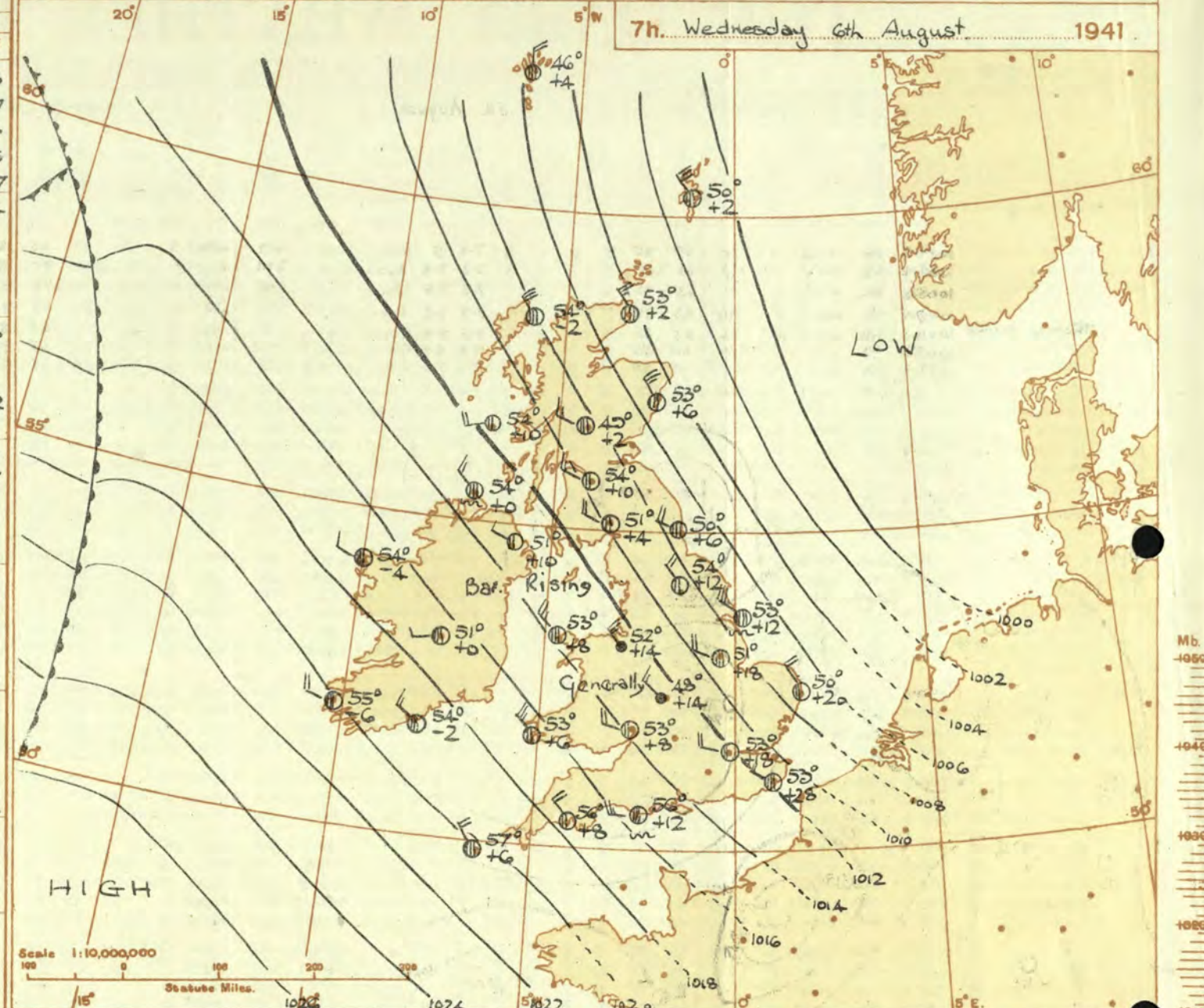
Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 5th August 1941				18h. G.M.T.				01h. G.M.T. 6th August 1941				07h. G.M.T.			
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN
109 62	64547	34768	86	15845	65725	5-	02834	29624	8-	25746	62586				
115 62	62734	32587	62	81734	32687	87	02834	32587	52	02834	28527				
203 6-	82838	28688	5-	02836	28686	8-	01835	28525	5-	02838	24423				
206 87	25855	30488	84	02964	60465	40	00953	61483	83	02854	61425				
210 8-	91848	60488	93	02845	63686	50	00851	28521	97	02854	25427				
220 82	25745	31788	50	01855	29515				53	01953	29414				
230 86	25946	29387	86	01862	62784	86	81854	62614	84	01855	29515				
245 26	92866	30487	62	62746	30688	50	01964	28584	77	02955	26417				
260 --	02757	28527	8-	81967	28387	54	01863	59484	54	01872	08951				
277 96	02835	59767	87	02845	60887	14	02841	59526	54	02863	61613				
279 73	02856	61527	82	02856	61427				84	01853	24303				
285 23	91745	26687							53	01744	32515				
288 9-	28845	25396	40	02854	59565	84	22855	61465	54	02865	24316				
273 83	25854	63585				5-	01853	30413	23	00851	30402				
301 62	21736	60788	8-	25747	60787	50	00853	63753	20	01854	62514				
321 62	02634	57588	83	02754	59587	53	01863	26424	54	05673	25413				
299 8-	02746	24366	9-	07737	24307	5-	22538	28768	5-	02737	26627				
292 87	81955	25487	87	25855	58468	57	01863	62585	50	00951	28813				
310 --	64528	24568							--	01635	21415				
614 9-	25 47	59837	5-	25736	55487				04	05630	26211				
333 5-	25867	28387	62	64785	61588	2-	01854	59684	83	02744	27515				
334 --	63647	24488							--	54537	30258				
340 5-	61948	59568	2-	81848	26488	5-	61748	60468	2-	28845	28385				
136 86	02745	25686	8-	81847	56687	8-	82748	24688	5-	02877	26687				
336 53	22763	28567	52	22763	28568				52	22763	28567				
350 90	01755	24425	87	81945	57987	62	62646	24388	74	01755	26313				
368 30	25854	26584	86	01954	26684				53	01864	26314				
379 30	25854	26585	86	02855	26686	62	61636	28668	53	01864	26314				
390 83	25754	27685	66	25744	24587	8-	81646	26588	54	02755	27416				
382 83	25954	23584	56	02955	23587	53	51854	26567	03	01950	26404				
438 8-	14854	24614							50	01763	30513				
430 86	01964	56514	96	81756	57487				50	00941	28481				
409 80	01954	27785	20	00862	27513	5-	02855	62685	24	01853	62483				

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 6th August 1941



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 6th August 1941

1 S.E. England	Moderate or fresh NW wind strong locally on coast, decreasing;
2 E. England ...	bright intervals; occasional showers; very cool.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	Moderate or fresh NW wind decreasing; bright intervals; occasional
7 North Wales ...	showers; rain later; very cool.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 0-3.
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	Fresh N-NW wind; mainly cloudy with showers; very cool.
16 Orkneys and Shetlands	
17 N. W. Ireland	Light or moderate NW wind backing West; cloudy or occasional
18 N. E. Ireland	rain; cool.
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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  
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.

GENERAL INFERENCE.

A deep depression over S. Norway is receding eastwards and pressure is relatively high to southwest of the British Isles. A trough of low pressure to westward of Ireland will move ESE. Weather will continue unsettled with showers in the North and East, and occasional rain later in the West and Southwest. It will be cool generally.

FURTHER OUTLOOK.

Occasional rain or showers generally.

Forecasts issued at 1030 G.M.T.  
H.M.S.O. Press, Meteorological Office, Dunstable.

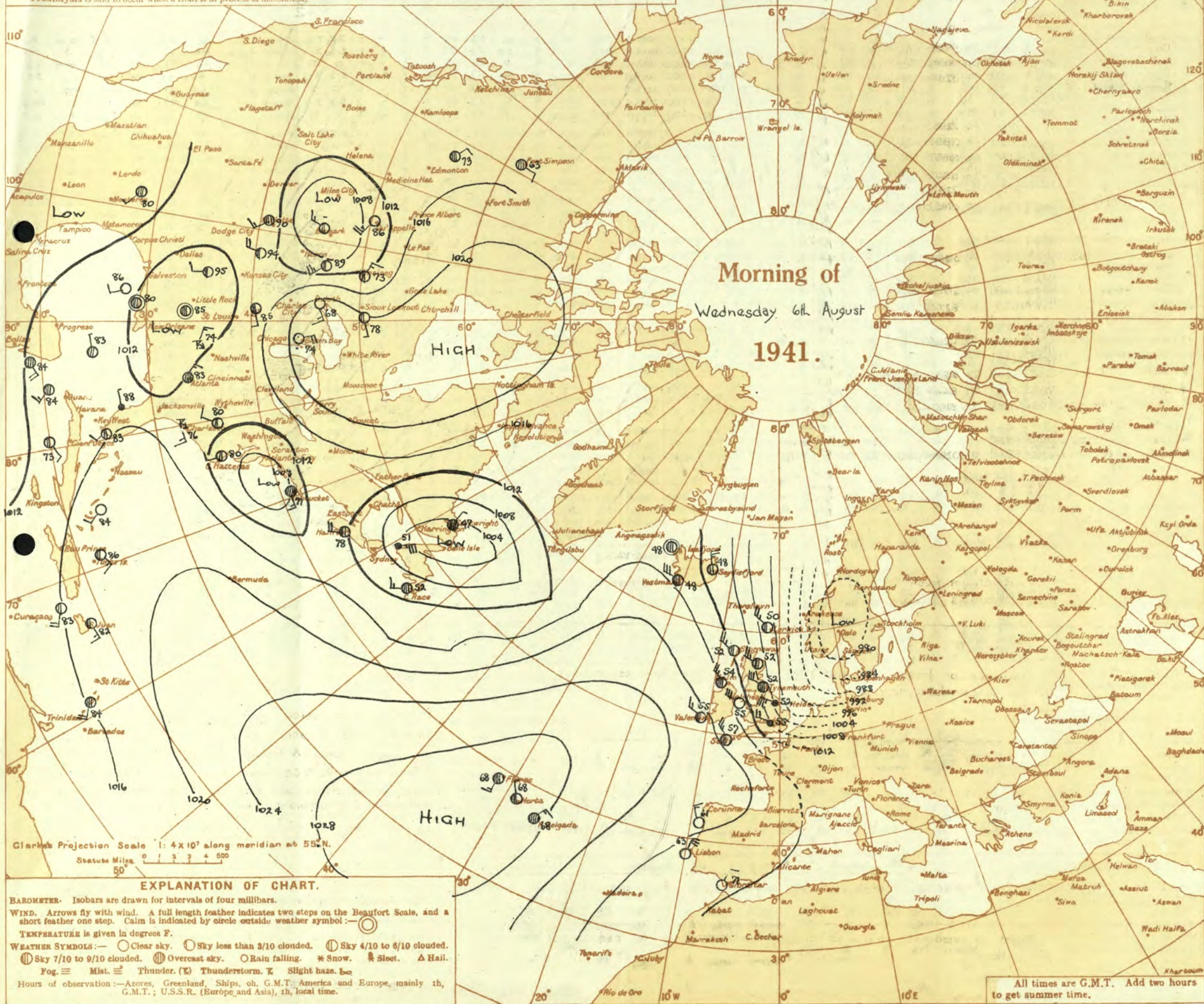
N. K. JOHNSON, D.Sc., A.R.C.S.  
Director.



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.  
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 6th August 1941.

No. 29112.

OBSERVATIONS at 1 hr. G.M.T. 6th August															OBSERVATIONS at 7 hr. G.M.T. 6th August															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		SUN-SHINE 5th Hrs. (36)			
					Direc. (3)	Force. (4)					Low. (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base. (feet) (14)	Low. (23)					Med. (24)	High (25)	Low 0-10 (26)	Total 0-10 (27)	Height of Base (feet) (28)			Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)				
1	London (Kew) ... 18	217	1007.6	+10	WNW	4	ir	55	85	8	6	-	-	10	10	1200	1012.5	+20	W	3	c	53	65	8	5	-	-	7-8	7-8	2500	1	*	61	53	47	0.5	0.6	9.0	
	Croydon ... 217	1007.6	+10	WNW	4	c	55	85	7	7	3	-	-	7-8	10	3000	1013.3	+20	WN	4	b	53	65	9	-	-	1	0	Tr	-	1	*	62	51	48	1	3	9.9	
	S. Farnborough ... 226	1008.5	+14	WNW	5	c	55	75	8	5	-	-	-	7-8	7-8	4000	1014.5	+12	NW	4	b	53	75	7	7	4	-	2-3	2-3	3000	0	*	63	51	48	1	0.4	8.8	
	Boscombe Down ... 417	1010.9	+18	WNW	4	c	55	75	8	5	-	-	-	7-8	9	1500	1014.8	+20	NW	4	b	55	75	8	1	-	1	Tr	Tr	4000	0	*	60	48	44	1	-	9.2	
	Turnham Green ... 10	1010.0	+10	W	5	c	57	75	7	5	7	-	-	7-8	9	1500	1013.8	+20	NW	4	b	55	75	8	1	-	1	Tr	Tr	4000	0	*	64	51	48	1	Tr	-	
	Lymington ... 346	1007.5	+2	W	4	c	53	85	7	6	2	-	-	9	9	1200	1012.1	+28	WNW	4	c	53	85	7	1	-	-	7-8	7-8	1200	1	*	64	49	45	1	1	10.8	
	Manston ... 154	1005.4	+2	WN	5	pr	53	85	5	9	-	-	-	10	10	1200	1010.6	+28	NW	4	c	54	85	7	9	6	2	9	9	1500	1	*	64	51	51	3	2	10.5	
2	Shoeburyness ... 11	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.2	+16	WNW	4	b	55	75	8	7	7	-	2-3	4-6	4000	1	*	65	51	47	0.5	3	10.3		
	Felixstowe ... 15	1004.1	+14	WNW	5	ir	54	85	7	5	2	-	-	1	10	3000	1008.8	+20	NW	4	b	52	75	7	2	6	8	Tr	1	1400	1	3	65	51	48	0.2	0.5	8.3	
	Gorleston ... 5	1002.4	+12	WNW	4	ir	54	92	6	6	-	-	-	10	10	800	1006.4	+20	NW	4	b	50	85	7	8	-	-	2-3	4-6	1200	1	4	63	48	47	1	4	-	
	Mildenhall ... 19	1004.7	+22	WNW	4	ir	51	92	7	5	2	-	-	4-6	10	1500	1009.5	+20	WN	4	b	52	75	8	5	3	-	2-3	4-6	5000	1	*	63	47	41	3	2	4.6	
	Cranwell ... 240	1005.6	+32	WNW	4	c	52	85	6	5	7	-	-	4-6	9	3000	1009.8	+18	WNW	4	c	51	75	7	5	-	-	9	9	4000	0	*	58	47	44	3	2	2.9	
3	Birmingham ... 535	535	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.7	+14	NW	3	ir	48	92	6	6	2	-	7-8	9	800	1	*	58	47	43	0.5	3	3.5		
	Upper Heyford ... 408	408	1008.5	+26	WNW	5	c	53	97	7	8	3	-	4-6	9	1500	1012.4	+20	WNW	5	c	51	75	8	5	-	-	9	9	1800	1	*	61	48	46	0.5	0.6	-	
4	Ross-on-Wye ... 223	223	1012.7	+20	WN	4	bc	53	75	8	5	-	-	2-3	2-3	4000	1013.7	+8	WN	4	bc	53	75	8	5	-	-	2-3	2-3	4000	0	*	59	49	44	0.2	Tr	-	
5	Hartland Point ... 299	299	1015.1	+16	NW	5	c	56	75	8	5	3	-	7-8	9	2500	1017.0	+8	NW	5	b	54	75	8	2	6	-	2-3	4-6	2500	0	5	58	53	51	Tr	-	15.2	
	Bristol ... 209	209	1011.6	+18	NW	5	bc	55	65	8	8	7	-	4-6	4-6	2000	1015.1	+16	WNW	4	c	53	75	9	7	8	-	9	9	3000	1	*	61	50	44	2	Tr	8.2	
	Portland Bill ... 32	32	1012.3	+16	W	6	c	58	85	7	5	-	-	10	10	2500	1015.3	+12	W	5	c	56	75	8	5	-	-	10	10	4000	1	5	60	52	-	-	-	-	
	Plymouth ... 82	82	1016.8	+14	NW	5	pr	57	65	8	8	-	-	9	9	2000	1018.4	+8	NW	4	b	56	75	8	8	-	-	2-3	2-3	2000	0	3	62	53	49	2	Tr	10.8	
	The Lizard ... 240	240	1017.9	+16	NW	5	bc	55	75	8	4	-	-	2-3	2-3	2500	1019.0	+6	NW	5	b	54	85	8	6	-	-	4-6	4-6	2500	0	4	61	53	-	1	-	13.4	
	Scilly (St. Mary's) ... 163	163	1019.3	+6	NNW	5	b	57	65	8	2	-	-	1	1	1500	1020.5	+6	NNW	4	c	57	75	8	8	4	-	4-6	7-8	1500	0	4	63	54	-	Tr	0.1	11.9	
	Guernsey ... 175	175	1019.3	+6	NNW	5	b	57	65	8	2	-	-	1	1	1500	1020.5	+6	NNW	4	c	57	75	8	8	4	-	4-6	7-8	1500	0	4	63	54	-	Tr	0.1	11.9	
6	Pembroke ... 142	142	1015.5	+22	NW	6	cq	55	75	7	2	-	-	7-8	7-8	2500	1017.4	+6	NW	5	bcq	53	85	8	2	6	-	2-3	4-6	2000	0	4	59	52	-	-	-	10.5	
	Holyhead (Valley) ... 26	26	1012.5	+18	NW	6	b	55	75	8	2	-	-	Tr	Tr	2000	1014.1	+8	NW	5	c	53	85	8	8	-	9	7-8	7-8	2500	1	3	59	50	50	0.6	-	-	
	Chester (Sealand) ... 16	16	1009.4	+26	WNW	7	c	55	75	7	5	-	-	10	10	1000	1011.2	+14	NW	5	PR	52	85	6	9	-	9	9	2400	1	*	62	51	49	1	6	1.9		
8	Manchester ... 70	70	1008.0	+26	WNW	4	bc	53	85	7	5	-	-	2-3	2-3	3500	1011.3	+14	WNW	3	bc	53	75	6	2	4	5	2-3	2-3	3000	1	*	60	47	43	4	3	0.9	
10	Spurn Head ... 29	29	1001.9	+24	NW	7	RR	52	75	6	8	-	-	10	10	4000	1007.4	+12	NW	6	o	53	75	7	5	-	-	10	10	4000	1	5	59	51	-	1	4	3.1	
	Catterick ... 175	175	1006.3	+30	NW	3	bc	50	65	7	5	7	-	2-3	4-6	2800	1008.8	+12	NW	4	b	54	65	8	5	7	5	1	4-6	4000	1	*	63	47	42	0.1	2	5.9	
	Tynemouth ... 108	108	1004.7	+28	NW	6	c	52	65	7	5	-	-	7-8	7-8	1500	1007.3	+6	WNW	4	c	50	65	7	5	-	-	7-8	7-8	2200	1	4	62	48	45	3	6	-	
11	St. Abbs Head ... 280	280	1004.6	+42	N	8	cq	51	75	8	5	5	-	7-8	9	1500	1006.0	+4	NW	5	bcq	53	97	9	4	4	-	4-6	4-6	2000	1	4	58	47	-	5	3	-	
	Leuchars ... 36	36	1006.0	+20	NW	4	c	50	75	8	8	-	-	7-8	7-8	2200	1006.6	+4	WNW	4	b	55	65	9	5	7	-	2-3	4-6	5500	0	*	63	49	43	2	-	3.3	
12	Renfrew (Abbots L.) ... 19	19	1008.7	+10	NW	4	bc	49	75	5	8	3	-	Tr	2-3	2000	1010.3	+10	WNW	3	b	54	65	8	7	4	4	4-6	4-6	2500	1	*	63	47	40	1	-	3.6	
	Eskdalemuir ... 794	794	1009.7	+14	NNW	6	b	54	75	8	1	4	-	Tr	1	2000	1012.6	+14	NW	5	b	51	75	8	5	3	1	1	4-6	2500	1	*	60	42	34	0.2	0.3	4.2	
	Point of Ayre ... 30	30	1009.7	+14	NNW	6	b	54	75	8	1	4	-	Tr	1	2000	1012.6	+14	NW	5	c	55	85	8	2	-	-	7-8	7-8	2500	1	4	58	52	-	3	-	1.5	
13A	Tiree ... 22	22	1011.8	+4	NW	4	bc	53	85	8	7	-	-	2-3	2-3	2800	1011.7	0	WSW	4	b	54	75	8	5	3	5	1	2-3	3500	0	4	55	52	-	1	-	2.0	
13B	Stornoway ... 80	80	1009.6	-2	WNW	5	b	52	92	7	5	4	-	Tr	1	3500	1009.1	-2	NW	6	c	54	85	7	5	3	-	2-3	9	2500	1	3	57	50	-	3	Tr	3.7	
15	Dalwhinnie ... 1178	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.5	+2	WNW	3	c	49	75	7	5	3	-	-	4-6	9	1500	0	*	54	44	38	3	Tr	1.0	
	Aberdeen ... 79	79	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.1	+6	NW	5	c	53	75	7	5	7	6	2-3	9	2100	1	3	61	48	45	8	2	4.8		
	Wick ... 119	119	1004.5	+2	WNW	4	c																																



### EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.		COLUMNS 9, 23.—FORM OF LOW CLOUD.		COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.		COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.	
b, blue sky (not more than a quarter covered with cloud).	q, squalls. r, rain. s, snow.	0 No low clouds.	0 No medium clouds.	0 No cirriform cloud.	0 No cirriform cloud.	0 No cirriform cloud.	0 No cirriform cloud.
bc, sky partly cloudy (one half covered). c, generally cloudy.	rs, sleet. t, thunder.	1 Fair weather Cu.	1 Typical As (thin).	1 Typical As (thin).	1 Typical As (thin).	1 Fine Ci not increasing: sparse.	1 Fine Ci not increasing: sparse.
d, drizzle. e, wet air. g, gloom.	u, ugly, threatening sky.	2 Large Cu without anvil.	2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).	2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).	2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).	2 Fine Ci not increasing: abundant but not a continuous layer.	2 Fine Ci not increasing: abundant but not a continuous layer.
f, fog, visibility 220-1100 yds.	v, unusual visibility. w, dew.	3 Cb.	3 Single layer of Ac or high Sc.	3 Single layer of Ac or high Sc.	3 Single layer of Ac or high Sc.	3 Anvil Ci (usually dense).	3 Anvil Ci (usually dense).
F, thick fog „ less than 220 yds.	x, hoar frost. y, dry air.	4 Sc formed by the spreading out of Cu.	4 Ac in isolated patches. Individually decreasing (often lenticular).	4 Ac in isolated patches. Individually decreasing (often lenticular).	4 Ac in isolated patches. Individually decreasing (often lenticular).	4 Fine Ci increasing: usually in tufts.	4 Fine Ci increasing: usually in tufts.
fs, low fog over sea (coast station).	z, dust haze: the turbid atmosphere of dry weather.	5 Layer of St or Sc.	5 Ac in bands (increasing).	5 Ac in bands (increasing).	5 Ac in bands (increasing).	5 Ci or Ca increasing: still below 45° altitude: often in polar bands.	5 Ci or Ca increasing: still below 45° altitude: often in polar bands.
fg, low fog over land (inland station).	h(r), "hail" or "rain and hail."	6 Ragged low clouds of bad weather (or fractonimbus).	6 Ac formed from the spreading out of Cu.	6 Ac formed from the spreading out of Cu.	6 Ac formed from the spreading out of Cu.	6 Ci or Ca increasing and reaching above 45° altitude: often in polar bands.	6 Ci or Ca increasing and reaching above 45° altitude: often in polar bands.
m, mist, visibility 1100-2200 yds.	Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r, slight rain.	7 Fair weather Cu and Sc.	7 Ac associated with As or As with parts resembling Ac.	7 Ac associated with As or As with parts resembling Ac.	7 Ac associated with As or As with parts resembling Ac.	7 Veil of Ca covering whole sky.	7 Veil of Ca covering whole sky.
h, hail. i, intermittently.	rr, continuous rain.	8 Large-Cu (or Cb) and Sc.	8 Ac Castellatus (or Ac in ragged fragments).	8 Ac Castellatus (or Ac in ragged fragments).	8 Ac Castellatus (or Ac in ragged fragments).	8 Ca not increasing and not covering whole sky.	8 Ca not increasing and not covering whole sky.
jp, fog at a distance, but not at station.	<, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.	9 Large-Cu (or Cb) and ragged low clouds of bad weather.	9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.	9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.	9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.	9 Cc predominating, and a little cirrus. (Cc may occur with any of the types 1 to 8).	9 Cc predominating, and a little cirrus. (Cc may occur with any of the types 1 to 8).
ks, storm of drifting snow.	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.	COLUMNS 12, 13, 26, 27.		Cloud form abbreviations:—		COLUMNS 12, 13, 26, 27.	
k/s, slight storm of drifting snow (generally low).	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.	Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.		Cirrus,—Ci: Cirrocumulus,—Cc: Cirrostratus,—Cs: Altcumulus,—Ac: Altostratus,—As		Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.	
k/S, heavy storm of drifting snow (generally low).	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.	An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.		Stratocumulus,—Sc: Stratus,—St: Nimbostratus,—Ns: Cumulus,—Cu: Cumulonimbus,—Cb		COLUMN 29—STATE OF GROUND.	
s/k, slight storm of drifting snow (generally high).	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.	"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.		0 .. Ground dry.		7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.	
S/k, heavy storm of drifting snow (generally high).	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.	"9+" signifies an overcast sky with a few small openings.		1 .. " wet.		8 .. " covered with snow, less than 6 ins., but ground frozen.	
KQ, line squall. l, lightning.	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.		2 .. " flooded.		9 .. " covered with snow greater than 6 ins. deep.	
o, overcast sky. p, passing showers.	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.		3 .. " frozen hard and dry.		- .. Fresh snow has fallen in the mountains.	
	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.		4 .. " partly covered with snow or hail.			
	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.		5 .. " covered with ice or glazed frost.			
	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.		6 .. " covered with thawing snow.			
	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.	☉, less than (for cloud height). ☉, Solar halo. ☾, Lunar halo. ☽, Aurora.					

NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

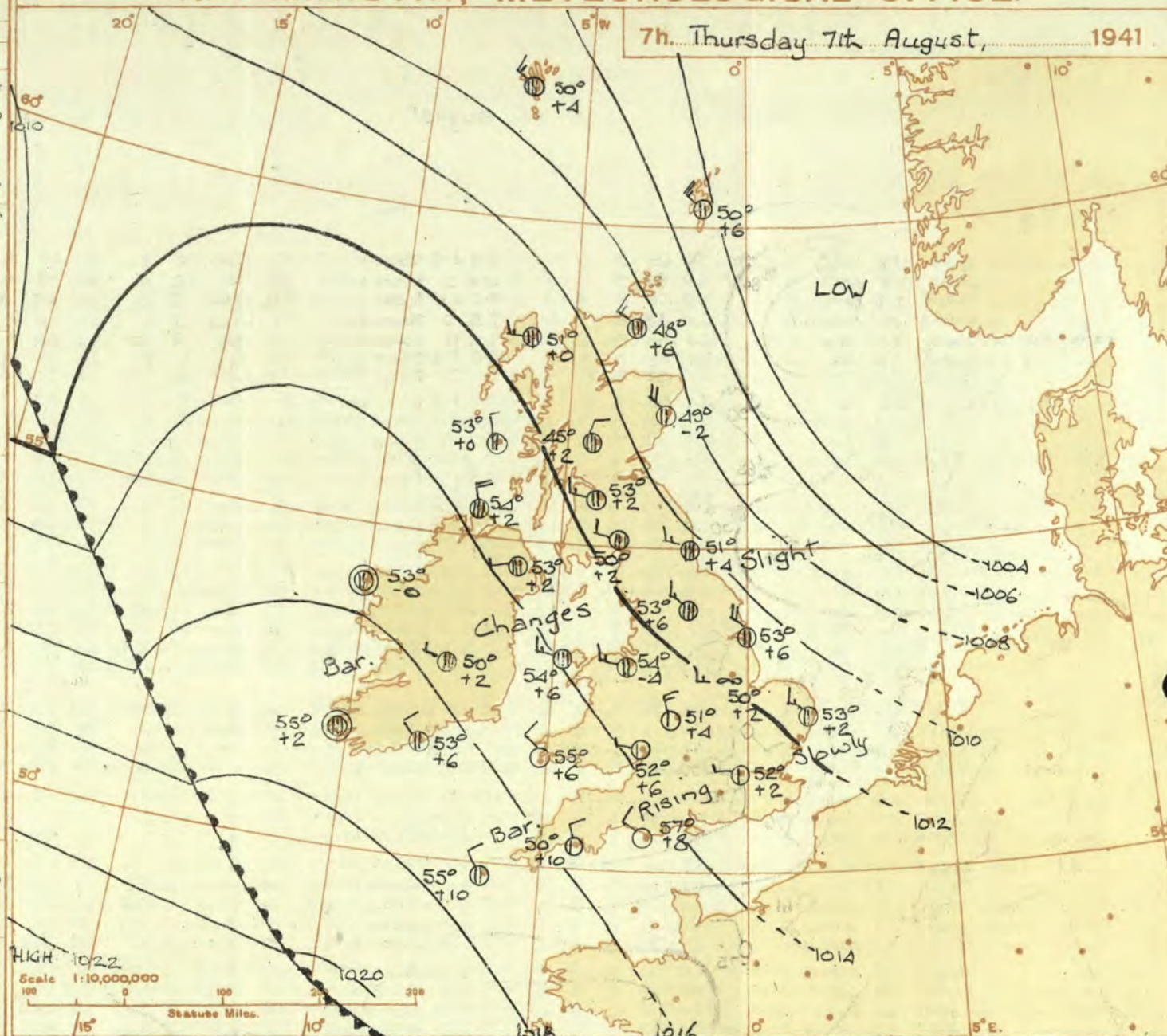


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 6th August				18h. G.M.T.				01h. G.M.T. 7th August				07h. G.M.T.			
III	C <sub>u</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>u</sub>	wwVhN <sub>h</sub>	DDFWN		C <sub>u</sub>	wwVhN <sub>h</sub>	DDFWN		C <sub>u</sub>	wwVhN <sub>h</sub>	DDFWN	
109	5-	02855	20685	8-	02855	28525	86	02764	61484	83	25844	28484			
115				74	02944	32485	52	81844	28587	54	81844	28486			
203				3-	82883	28428	5-	02937	28427						
206	87	25064	50487	8-	81748	26388	83	25964	28385	83	01964	26384			
210	87	02865	57587	87	82746	26487	5-	25867	25487	8-	81967	25427			
220	73	01953	29304	83	25944	30486				03	01990	00003			
230	87	02854	27417	8-	02956	27316	8-	25847	28427	70	00951	27211			
245	26	02963	24326	87	10965	26386	54	00972	26213	86	01963	19313			
260	19	02962	26467	14	01964	24414	5-	01865	20215	5-	05657	00017			
278	13	01851	27415	84	02974	26486	8-	01844	26444	83	01843	24314			
279	76	02965	26427	77	01963	25314				83	01853	23214			
285	23	02854	26526							23	01744	26514			
288	17	02854	27327	87	25954	25386	00	00890	22200	5-	02867	2117*			
375	8-	02857	26387	23	10854	26287	26	01851	28325						
301	26	02854	28525	23	01952	26424	2-	01854	28314	8-	02756	28416			
321	8-	02756	28327	83	02764	27397	04	03630	22201	03	05630	26301			
299	87	01744	26415	52	02744	24227	50	00751	24301	5-	02746	26316			
292	8-	02955	27227	87	10855	57227	00	00890	23110	53	01863	26113			
310										--	01536	24416			
324	54	05654	26324	16	02761	26325	83	05667	24327	5-	05662	24202			
333	26	01952	27412	84	25964	20315	23	25944	22286	2-	01944	22214			
334										--	01683	20104			
340	86	01954	28485	20	25955	16186	03	01790	24226	23	00861	26202			
136	7-	02857	25487	46	29775	00097	03	05630	19211	10	00741	26311			
336	14	01763	28514	54	01763	28415				54	01762	20313			
350	8-	25667	28487	86	02655	22227	03	01790	20223	03	05630	24214			
308	86	01954	24514	86	10355	22425				23	01851	28104			
379	86	25854	26485	26	01854	26384	53	01853	24215	03	01850	26312			
390	8-	02756	26416	93	81655	26487	53	05673	26325	04	00790	27311			
382	8-	81857	27487	86	81965	26286	05	01790	00014	04	00790	24101			
438										53	01862	32113			
430	80	02966	26326	86	01963	26315	50	01873	00013	00	00890	00000			
409	87	02853	26427	57	02736	21327	5-	09623	05143	50	01845	26115			

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 7th August
1 S.E. England	Light westerly wind; fair; brighter periods; less cool than of late.
2 E. England ...	Moderate NW winds falling light; mainly cloudy with a few local showers; fine tomorrow;
3 E. Midlands ...	cool today; less cool tomorrow.
4 W. Midlands ...	As 1.
5 S.W. England	Winds westerly, light; backing SW, moderate; fair most of today; some rain or drizzle
6 South Wales ...	later today; becoming slowly warmer.
7 North Wales ...	Moderate NW winds falling light, backing; bright periods with local showers today;
8 N.W. England	cloud increasing with some rain tomorrow; rather cool.
9 N. Midlands ...	
10 N.E. England	Moderate to fresh NW winds, decreasing; occasional showers; some brighter
11 S.E. Scotland	intervals especially tomorrow; cool.
12 S.W. Scotland & Isle of Man.	As 7-9.
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	As 10-11.
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	Light SW winds freshening, veering west; mainly cloudy; a period of rain or
19 S. E. Ireland	drizzle spreading from west; becoming milder.
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.  
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.

GENERAL INFERENCE.  
A ridge of high pressure over Ireland will move slowly eastwards and will be followed by a depression now well to the southwest of Iceland. There will be an interval of fairer weather in most districts but rain will spread to the West by tomorrow. Temperature will rise somewhat.

FURTHER OUTLOOK.  
Continuing unsettled. Rain spreading across England

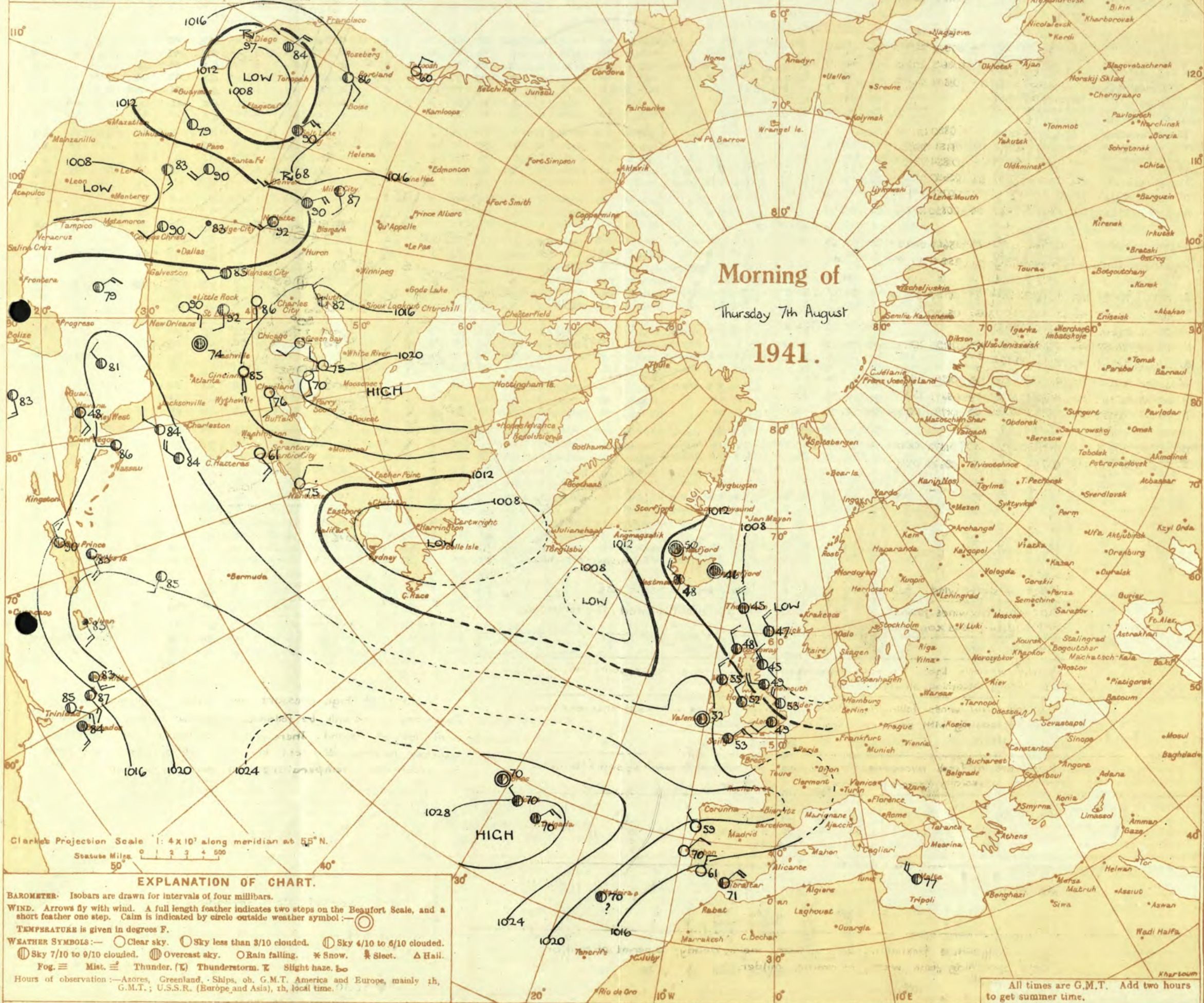
Forecasts issued at 1030 G.M.T.  
H.M.S.O. Press, Meteorological Office, Drinstable.  
N. K. JOHNSON, D.Sc., A.R.C.S.,  
Director.  
G 289/4080, No. 5/76, D. 6034, 6p. 246. 3/10. 5/41



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Thursday 7th August 1941.  
 No. 29113.

OBSERVATIONS at 1 hr. G.M.T. 7th August														OBSERVATIONS at 7 hr. G.M.T. 7th August														PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visib. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visib. 0-9 (22)	Cloud.					Sea. 0-9 (29)	TEMPERATURE.			RAINFALL.		SUNSHINE 6th Hrs. (36)		
					Direc. (3)	Force. 0-12 (4)					Low. (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base (feet) (14)	Direc. (17)					Force. 0-12 (18)	Low. (23)	Med. (24)	High (25)	Low 0-10 (26)		Total 0-10 (27)	Height of Base (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)		Day 7h-18h mm. (34)	Night 18h-7h mm. (35)
1	London (Kew) ... 18	1013.6	-4	SSW	2	c	49	92	7	-	3	-	0	7-8	-	1013.6	+8	WSW	2	z	51	85	5	-	-	-	0	0	-	1	62	49	34	0.2	-	6.0	
	Croydon ... 217	1013.7	-4	WS	1	bc	48	92	7	5	3	-	Tr	4-6	5000	1013.4	+2	WS	1	b	52	85	6	-	4	-	0	Tr	-	1	62	43	41	0.6	-	4.8	
	S. Farnborough ... 226	1013.7	-4	WS	1	bc	48	92	7	5	3	-	Tr	4-6	5000	1013.4	+2	WS	1	b	52	85	6	-	4	-	0	Tr	-	1	62	43	41	0.6	-	4.8	
	Boacombe Down ... 417	1014.3	-8	WNW	2	bc	50	92	8	4	-	2	2-3	2-3	5000	1014.4	0	-	0	49	92	6	-	3	-	0	2-3	-	0	61	43	34	0.4	-	5.6		
	Thorney (Island) ... 8	1013.8	-10	-	0	c	48	92	8	-	5	-	-	0	7-8	-	1013.7	+6	WS	1	b	52	85	7	-	4	-	0	Tr	-	1	65	45	40	-	-	6.7
	Lymington ... 346	1014.3	-4	-	0	c	48	97	7	5	6	5	7-8	9	4000	1013.8	-2	NW	1	z	51	85	6	-	-	-	0	0	-	1	62	42	36	0.3	0.4	7.1	
	Manston ... 154	1012.6	-10	WS	1	c	50	92	7	8	3	-	2-3	9	4500	1012.3	+2	WNW	1	z	53	85	6	-	-	-	0	0	-	1	61	46	43	-	-	3.3	
2	Shoeburyness ... 11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.4	+4	NNW	3	b	55	78	6	-	4	-	0	Tr	-	1	63	46	35	Tr	Tr	4.3	
	Felixstowe ... 15	1011.8	-6	NNW	3	c	55	85	7	-	7	-	0	9+	-	1011.9	+6	NNW	3	z	52	85	6	5	4	-	Tr	Tr	5000	1	2	63	51	47	-	Tr	3.9
	Gorleston ... 5	1012.1	-6	W	2	c/r	52	85	6	5	-	-	10	10	1500	1011.6	+2	NNW	3	bc	53	85	6	-	4	-	0	2-3	-	1	2	63	46	43	-	6	*
	Mildenhall ... 19	1012.1	-4	WS	2	c	50	85	7	5	7	-	4-6	7-8	3500	1012.1	+6	WSW	2	z	49	85	6	5	3	-	2-3	2-3	-	0	62	46	37	Tr	Tr	4.4	
	Cranwell ... 240	1012.0	0	WNW	3	z	49	78	6	8	4	1	4-6	7-8	3000	1012.1	+2	W	3	z	50	85	6	-	-	-	0	0	-	0	63	44	39	0.5	-	3.5	
3	Birmingham ... 535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.6	+4	NNW	3	b	51	85	6	5	-	-	1	1	2500	1	61	47	42	1	-	4.8	
	Upper Heyford ... 408	1013.2	-6	W	1	bc	46	92	7	-	3	-	0	4-6	-	1013.3	+2	WNW	3	b	51	85	8	-	3	-	0	Tr	-	1	62	43	39	-	-	*	
4	Ross-on-Wye ... 223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1014.0	+6	WNW	1	b	52	85	8	5	-	-	Tr	Tr	4000	0	64	48	39	Tr	-	11.2	
5	Hartland Point ... 299	1014.0	-4	WNW	2	bc	53	85	8	2	-	-	4-6	4-6	2500	1014.7	+8	NW	2	c	57	85	8	5	-	-	7-8	7-8	2100	0	59	53	48	-	-	9.2	
	Bristol ... 209	1014.5	-6	-	0	c	51	85	8	-	3	-	0	7-8	-	1014.7	+4	WN	2	b	54	85	7	-	4	-	0	Tr	-	1	64	45	35	Tr	Tr	8.1	
	Portland Bill ... 32	1014.0	-10	NW	2	c	56	85	8	2	-	-	7-8	7-8	4000	1013.9	+8	NW	2	bc	57	85	8	5	-	-	4-6	4-6	4000	0	62	52	-	-	-	*	
	Plymouth ... 82	1014.4	-10	E	2	b	47	97	8	-	3	-	0	Tr	-	1015.9	+10	NNW	2	b	50	92	8	8	-	-	Tr	Tr	2000	0	2	62	46	40	Tr	Tr	4.9
	The Lizard ... 240	1013.3	-8	ENE	4	c	53	97	7	5	2	-	9	10	1500	1016.2	+20	WSW	2	bc	52	97	8	7	-	-	4-6	4-6	2500	1	3	61	48	-	1	9	4.3
	Scilly (St. Mary's) ... 163	1014.2	+16	NE/N	3	bc	53	97	8	8	4	-	4-6	4-6	1500	1016.6	+10	NNW	2	bc	55	97	8	8	4	8	2-3	4-6	1800	1	3	65	51	-	5	9	3.2
	Guernsey ... 175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1014.1	-4	WNW	2	c	55	92	8	7	-	-	7-8	7-8	4000	0	3	59	51	-	-	-	7.4
6	Pembroke ... 142	1014.1	-4	WNW	2	c	55	92	8	7	-	-	7-8	7-8	4000	1016.0	+6	NNW	2	b	55	85	8	1	3	-	1	1	4000	0	3	59	51	-	-	-	7.4
7	Holyhead (Valley) ... 26	1013.2	0	NW	2	c	52	92	9	2	3	-	1	9	2500	1014.0	+6	WNW	3	c	54	85	8	2	3	-	2-3	7-8	2500	0	2	62	44	36	-	Tr	*
	Chester (Sealand) ... 16	1012.8	0	WN	3	bc	52	85	8	-	1	4	4-6	4-6	2500	1012.7	-4	WNW	3	bc	54	75	7	8	-	-	4-6	4-6	2500	1	61	51	46	1	0.1	8.2	
8	Manchester ... 70	1012.6	-2	NNW	1	c/r	49	97	8	2	-	-	2-3	7-8	3000	1012.9	+6	WSW	2	z	51	92	6	7	-	-	7-8	7-8	2000	1	62	45	39	-	1	10.7	
10	Spurn Head ... 29	1010.8	-4	WNW	4	bc	53	85	7	5	-	-	4-6	4-6	8700	1011.0	+6	NW	4	bc	53	85	7	-	8	-	0	2-3	-	0	61	51	-	0	1	2.5	
	Catterick ... 175	1010.9	-2	W	2	b	49	75	8	-	-	-	0	0	-	1011.2	+6	NNW	3	c	53	75	8	5	3	-	4-6	7-8	2800	0	63	48	42	-	-	4.8	
	Tynemouth ... 108	1010.0	+2	W	4	b	49	75	7	-	-	-	0	0	-	1010.7	+4	WNW	3	c/pr	51	75	6	8	-	-	7-8	7-8	2800	1	3	62	46	45	-	Tr	*
11	St. Abbs Head ... 280	1008.3	+4	NW	4	c	52	75	8	5	2	-	7-8	9+	2500	1009.8	+2	NW	3	c	50	75	8	8	4	-	4-6	7-8	2000	1	3	59	46	-	-	2	*
	Leuchars ... 36	1009.2	+10	NW	1	c	53	75	8	5	-	-	10	10	2800	1010.0	+6	W	3	bc	50	75	8	8	-	9	2-3	2-3	3500	0	62	49	44	-	Tr	1.8	
12	Renfrew (Abbots L.) ... 19	1010.9	+2	SW	1	c	51	85	8	8	-	-	7-8	7-8	2000	1011.1	+2	WNW	3	bc	53	65	9	8	4	9	Tr	2-3	2000	0	62	49	43	-	-	6.8	
	Eskdalemuir ... 794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.9	+2	WNW	2	c	50	85	8	5	-	-	9+	9+	1500	0	62	49	43	-	-	6.8	
	Point of Ayre ... 30	1012.6	0	NNW	4	b	53	85	8	4	-	6	1	1	3000	1012.7	0	NW	3	bc	55	85	8	2	4	-	Tr	2-3	1600	0	3	62	52	-	Tr	5.6	
13A	Tiree ... 22	1011.9	0	NNW	3	bc	54	85	8	5	3	-	4-6	4-6	2500	1012.2	0	NNW	1	bc	53	75	8	5	3	-	4-6	4-6	2500	0	3	60	50	-	-	0.4	



AIR  
MINISTRY.THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.SECRET  
BRITISH SECTIONFriday 8th August, 1941.  
No. 29, 114.

OBSERVATIONS at 13h. G.M.T. 7th August														OBSERVATIONS at 18h. G.M.T. 7th August														PAST 24 HOURS.							
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.					
				Dirac.	Force.					Form.	Amount.	Height of Base. (feet) (14)	Dirac.	Force.			Form.	Amount.					Height of Base. (feet) (28)	7h.—18h. 7th (37)	18h.—18h. 7th (38)	18h.—7h. 1h.—8th (39)	1h.—7h. 8th (40)								
1	London (Kew) ...	1013.7	+2	WNW	2	c	63	45	8	8	-	-	7-8	7-8	2500	1013.4	-4	WNW	2	c	62	55	8	7	-	-	24	24	2500	1	*	bm, bc, cy	cy	cm, w	cr, rr
	Croydon ...	1013.8	+2	WNW	3	c	65	55	8	6	-	-	2-3	3	3000	1013.4	-2	W	1	c	61	65	8	8	-	-	24	24	7000	1	*	bm, bc, cy	cy	c	cr, rr
	S. Farnborough	1013.5	+2	WNW	2	c	63	55	8	7	-	-	3	3	4000	1013.4	-4	W	2	c	63	55	8	5	-	-	24	24	7300	1	*	bm, bc, cy	cy	c	cr, rr
	Boscombe Down	1014.6	-2	WNW	4	c	63	55	8	7	6	-	4-6	7-8	3000	1014.2	-8	WNW	3	c	62	55	8	8	-	-	4-6	7-8	4000	0	*	bm, c	bc	c	cd, d, o, r, f
	Thorney Island	1014.2	-2	W	1	c	64	65	8	7	-	-	24	24	2500	1013.5	-4	WSW	3	c	61	75	8	6	1	1	7-8	4000	0	1	*	bm, c	bc	c	cd, d, o
	Lymington	1014.4	+2	WNW	2	c	61	65	7	2	6	-	4-6	7-8	4000	1014.3	-2	WSW	1	bc	60	75	7	2	6	1	4-6	4000	1	3	bm, bc	cy, bc	c	cd, d, o	
	Manston	1013.2	+2	NW	2	c	62	55	8	2	6	-	2-3	7-8	2500	1013.2	-2	WSW	1	c	62	65	7	8	6	-	7-8	7-8	5000	0	*	bm, bc	cy, bc	c	cd, d, o
2	Shoeburyness ...	1013.2	-2	WNW	2	c	65	55	8	7	-	-	7-8	7-8	4000	1013.2	-2	WNW	3	c	63	55	8	-	3	1	0	7-8	-	0	2	bm, cy	cy, bc	bc	cd, d, o
	Felixstowe ...	1012.4	+2	WNW	3	c	64	55	8	2	-	-	3	3	3000	1012.2	-2	WNW	3	bc	65	45	7	8	-	-	4-6	4-6	3000	0	2	bm, cy	cy, bc	bc	cd, d, o
	Gorleston ...	1012.7	+4	NW	2	c	62	65	7	2	-	-	7-8	7-8	2000	1012.3	0	SW	3	c	63	65	7	8	-	-	10	10	2500	0	3	bc	cy, bc	c	cd, d, o
	Mildenhall ...	1012.3	-2	WNW	3	c	63	55	8	8	-	-	7-8	7-8	3000	1012.1	0	WSW	3	c	63	55	7	8	6	1	4-6	7-8	3000	0	*	bm, bc	cy, bc	c	cd, d, o
	Cranwell ...	1012.1	-2	WNW	3	z	60	65	6	3	-	-	24	24	1800	1011.5	-2	WNW	4	c	59	55	7	4	-	-	4-6	7-8	2200	0	*	bm, c	cy, bc	c	cd, d, o
3	Birmingham ...	1013.5	0	NW	3	c	59	45	8	5	7	-	7-8	7-8	4000	1012.5	-4	NW	2	c	58	55	7	5	7	-	10	2500	1	*	b, c	c	c	cd, d, o	
	Upper Heyford	1013.5	-12	WNW	4	c	59	55	8	8	-	-	7-8	7-8	2500	1012.5	-4	WNW	2	c	60	65	8	5	-	-	24	24	2000	1	*	bm, c	cy, bc	c	cd, d, o
4	Ross-on-Wye ...	1013.8	-4	WNW	3	c	62	45	9	7	-	1	3	3	4000	1013.3	-6	WNW	2	c	60	55	9	5	-	-	24	24	4000	0	*	bm, cy	cy	c	cd, d, o
5	Hartland Point ...	1015.7	-2	WNW	3	bc	60	65	9	1	4	4	2-3	2-3	2500	1014.7	-10	WSW	3	c	57	65	9	5	-	-	24	24	3000	0	3	bc	cy, bc	c	cd, d, o
	Bristol ...	1014.6	-2	W	3	c	65	55	8	3	-	-	7-8	7-8	3000	1014.4	-2	W	3	c	58	65	8	2	3	3	2-3	7-8	3000	0	*	bm, bc	cy, bc	c	cd, d, o
	Portland Bill ...	1015.1	+4	W	3	c	60	62	8	5	-	-	10	10	4000	1014.5	-10	SW	3	bc	59	85	8	2	-	-	4-6	4-6	4000	0	3	bc	cy, bc	c	cd, d, o
	Plymouth ...	1016.1	-4	NW	2	bc	64	55	8	1	-	-	4-6	4-6	3500	1015.8	-2	NW	3	c	62	55	8	5	-	-	4-6	7-8	5000	0	3	bm, bc	cy, bc	c	cd, d, o
	The Lizard ...	1017.0	+4	WSW	3	bc	62	85	8	2	6	-	4-6	4-6	2500	1016.2	-8	W	3	c	59	85	8	8	6	-	7-8	7-8	2500	0	3	bc	cy, bc	c	cd, d, o
	Scilly (St. Mary's)	1017.3	-2	W	2	c	62	75	8	8	7	3	4-6	7-8	1800	1016.0	-14	SWW	2	cjp	60	85	8	8	7	-	4-6	10	1400	1	3	bc	c	c	cd, d, o
	Guernsey ...	1017.3	-2	W	2	c	62	75	8	8	7	3	4-6	7-8	1800	1016.0	-14	SWW	2	cjp	60	85	8	8	7	-	4-6	10	1400	1	3	bc	c	c	cd, d, o
6	Pembroke ...	1015.7	0	WNW	2	bc	58	75	8	1	6	-	2-3	4-6	4000	1014.1	-10	WSW	4	c	57	85	8	8	-	-	24	24	1000	0	3	bc	c	c	cd, d, o
7	Holyhead (Valley)	1013.5	-4	W	4	c	62	75	9	8	-	-	3	3	6000	1012.6	-10	SW	3	c	58	75	9	2	3	7	2-3	10	3000	0	2	c	c	c	cd, d, o
	Chester (Sealand)	1013.4	0	NW	3	c	59	65	9	8	-	-	3	3	5000	1013.0	-6	WNW	3	c	58	65	9	8	-	-	2-3	10	4800	0	*	cv	cv	c	cd, d, o
8	Manchester ...	1013.1	0	WSW	3	c	59	65	8	8	6	-	3	3	1800	1012.6	-4	W	4	c	57	65	8	7	-	-	4-6	7-8	3000	0	*	bm, c	cy, bc	c	cd, d, o
10	Spurn Head ...	1011.2	0	WNW	2	c	60	65	7	5	-	-	3	3	2700	1011.1	-4	WNW	3	pr	58	75	6	3	-	-	24	24	2500	1	2	c	c	c	cd, d, o
	Catterick ...	1010.5	-4	WNW	3	q/pr	63	55	8	3	7	-	4-6	7-8	1800	1011.4	+4	-	0	pr	55	85	6	8	7	-	7-8	7-8	2500	0	3	cy, pr	c	c	cd, d, o
	Tynemouth ...	1011.0	-2	SE	3	c	55	65	8	8	-	-	7-8	7-8	2800	1011.2	-2	SE	3	c	55	85	8	8	3	-	7-8	7-8	3000	1	3	cy, pr	c	c	cd, d, o
11	St. Abbs Head ...	1009.5	+8	NW	3	bc	56	55	9	4	4	-	2-3	4-6	2500	1009.5	-2	NE	1	bc	56	65	9	4	4	-	2-3	2-3	2500	0	2	bc	cy, bc	c	cd, d, o
	Leuchars ...	1009.5	-4	WNW	3	c	55	55	9	8	-	-	3	3	3200	1009.3	-2	SE	2	c	57	75	9	8	-	-	7-8	7-8	2500	1	*	bm, c	cy, bc	c	cd, d, o
12	Renfrew (Abbots L.)	1011.2	-2	NW	2	bc	60	45	9	1	-	-	2-3	2-3	3000	1010.3	-6	WNW	3	bc	60	55	9	2	-	-	2-3	4-6	2500	0	*	bm, bc	cy, bc	c	cd, d, o
	Eskdalemuir ...	1010.1	+2	WNW	3	bc	59	45	8	7	-	-	4-6	4-6	2500	1009.6	-6	WNW	3	c	58	55	8	8	-	-	2-3	7-8	2500	0	*	bm, c	cy, bc	c	cd, d, o
	Point of Ayre ...	1012.7	0	NW	4	c	58	75	8	8	7	-	4-6	4-6	2500	1011.4	-12	W	3	c	58	65	8	4	7	-	1	24	4000	0	3	bc	c	c	cd, d, o
13A	Tiree ...	1011.5	-4	WNW	2	bc	58	65	8	2	-	-	4-6	4-6	3500	1010.2	-6	SSW	2	bc	56	75	8	8	-	-	4-6	4-6	2200	0	2	bc	cy, bc	c	cd, d, o
13B	Stornoway ...	1011.3	-10	W	2	c	57	75	8	5	6	1	4-6	7-8	2500	1010.2	-2	S	3	c	55	85	8	5	3	-	7-8	7-8	2500	1	2	pr	c	c	cd, d, o
15	Dalwhinnie ...	1010.7	-2	WNW	2	c	54	55	8	8	-	-	3	3	2500	1009.8	-4	NE	2	c	55	55	8	8	4	3	2-3	7-8	2300	0	*	cy	c	c	cd, d, o
	Aberdeen ...	1009.3	0	WNW	3	q/pr	55	65	8	8	-	-	3	3	2200	1009.3	-2	NW	1	c	57	55	8	8	-	-	24	24	4500	1	2	cy, pr	c	c	cd, d, o
	Wick ...	1008.6	-2	WNW	4	bc	56	65	9	2	7	3	2-3	4-6	3000	1008.3	0	WNW	4	ir	53	85	9	5	7	-	4-6	10	5700	*	*	pr	pr	c	cd, d, o
16	Sumburgh ...	1005.8	+2	WNW	5	bc	53	75	8	2	-	-	2-3	2-3	2100	1005.5	+2	NW	4	bc	52	75	8	1	3	1	2-3	4-6	2500	*	*	pr	pr	c	cd, d, o
17	Blackod Point ...	1012.5	-18	S	3	ir	58	75	7	6	-	-	10	10	2500	1007.5	-30																		



Abridged observations of additional stations in the AVIATION WEATHER CODE												
13h. G.M.T. 7th August				13h. G.M.T.				01h. G.M.T. 8th August...07h. G.M.T.				
III	C <sub>u</sub>	ww	Vh	DDFWN	C <sub>u</sub>	ww	Vh	DDFWN	C <sub>u</sub>	ww	Vh	DDFWN
109	8-	02855	28525	52	25754	24588	5-	02856	20326	86	02754	20325
115	87	02844	28586	54	62844	24425	87	02844	20326	52	81744	24387
203	8-	01034	24384	84	01343	28524	5-	10938	20318			
206	87	25065	26185	83	02965	25226	83	01962	28184	87	0196	24115
210	83	02064	25384	86	02963	28387	53	25364	00086	53	0196	24214
220	15	01953	24204	53	25854	23286				83	01944	27215
230	10	01063	20213	84	01964	20314	5-	02867	00027	80	02953	00027
245	84	02267	25317	45	01863	16385	53	02972	04187	53	02965	25227
260	1-	01064	30184	26	01963	20214	5-	02888	00018	5-	61838	00068
27826	01052	27383	8-	02977	16127	5-	02867	10217	52	54606	18158	
279	8-	25855	27485	24	02856	22387				8-	25867	08187
285	23	25748	26586									
288	86	25855	23286	87	02855	08225	03	05630	20126			
292	57	02847	24227	53	02854	20127	5-	21744	00056	5-	21728	00088
301	86	01034	24414	87	02952	26426	13	00852	10114	07	05530	12214
321	8-	02755	26325	53	02764	26417	03	05630	20228	03	05630	21113
299	57	05745	30227	62	61645	00068	5-	05657	20227	50	05330	00013
292	76	02267	25327	87	81846	24287	53	02863	00085	03	05630	00013
310	--	01644	26314							--	03628	20328
21426	02764	26215	46	02774	27225	5-	05678	24128	07	06530	00027	
333	8-	02059	28317	43	02962	20327	52	61855	14368	5-	21848	14858
334	--	02846	26217							--	54437	24258
340	8-	02963	26327	5-	02957	28227	53	00762	15203	02	54438	10358
136	86	02856	25316	86	02854	24385	03	05630	24117	24	05665	18116
336	53	01863	28316	51	02763	28318				--	67309	08369
350	26	01754	24414	7-	02857	24227	05	05630	22124	52	64636	16268
368	73	02064	24426	47	02962	22327						
379	8-	02877	26317	8-	02867	24227	53	02763	20227	--	67309	12369
390	83	02764	26215	53	02765	26117	53	05673	20224	57	05665	20128
382	43	01854	29315	7-	02867	24327	53	02762	22125	62	58536	13368
438	80	02855	24415							62	64744	23568
430	8-	02877	20317	4-	02875	20325	07	02730	20227	52	54536	16258
400	84	01953	30214	5-	02968	19328	02	64408	18468	02	57108	23468

III

— Index Number of Station—See M.O. 252 or list issued on 1st of each month.

ww, W

— Present and past weather—See M.O. 252.

h, Nh

— Height and amount of low cloud—See M.O. 252.

N

— Total amount of cloud—See M.O. 252.

C<sub>u</sub>, M

— Form of low and medium cloud—See page 1.

V

— Visibility.

F

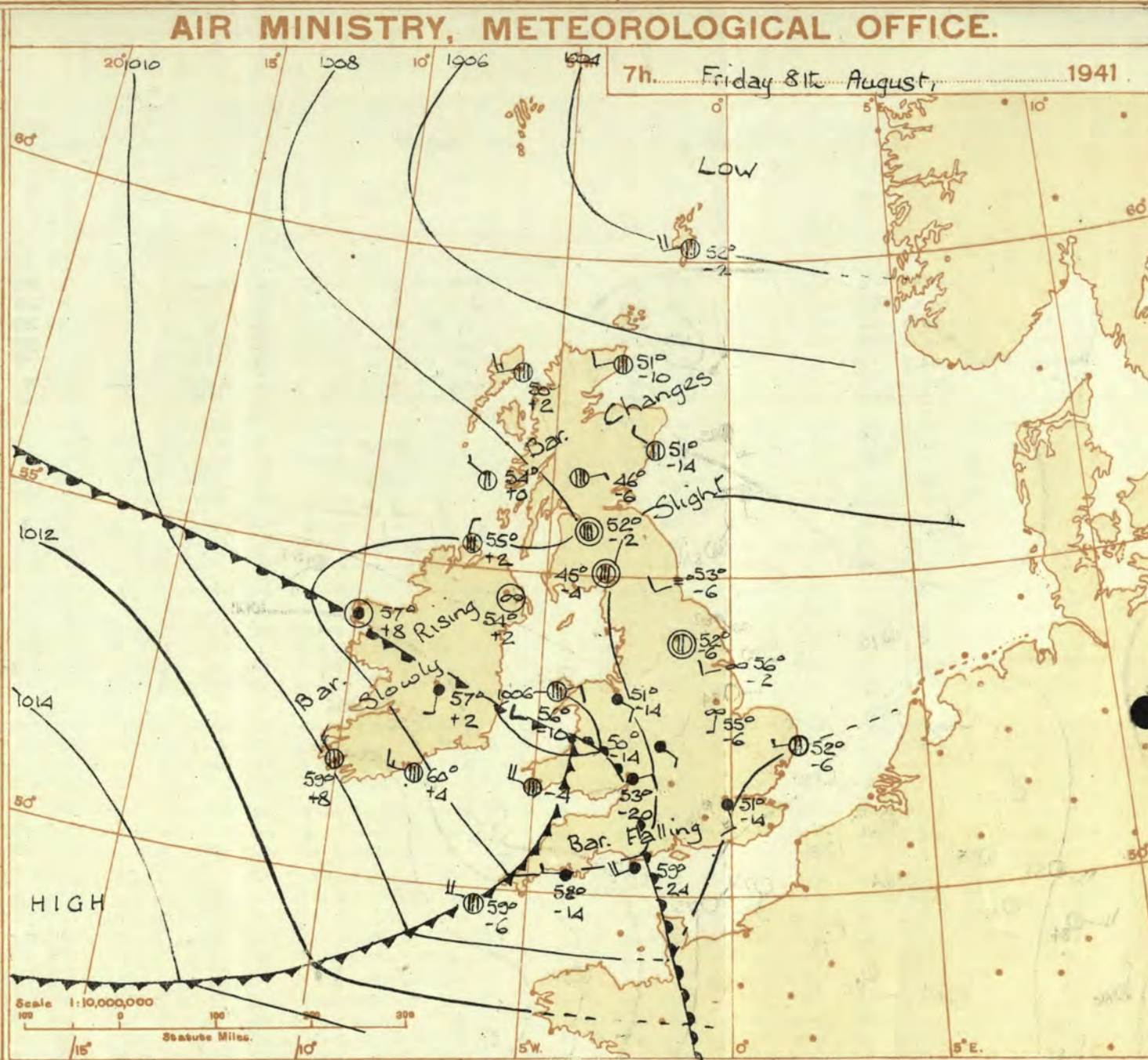
— Force of wind—See page 4.

DD

— Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 8th August, 1941.
1 S.E. England	Wind W.-N.W., mainly light or moderate; dull, with rain at first, some improvement later; cool
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light or moderate N.W. wind; cloudy; occasional slight rain or drizzle; rather cool.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Light W. to N.W. or variable wind; showers, bright intervals; rather cool.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	As 5-7



BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.  
 BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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.

#### GENERAL INFERENCE.

A small depression over Wales will move quickly E.S.E., whilst a trough of low pressure north of Scotland is moving southeast. A ridge of relatively higher pressure will spread in slowly over the country. Weather will be cool and unsettled generally.

#### FURTHER OUTLOOK.

Unsettled and cool.

Forecasts issued at 1030h. G.M.T.  
 H.M.S.O. Press, Meteorological Office, Dunstable.

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

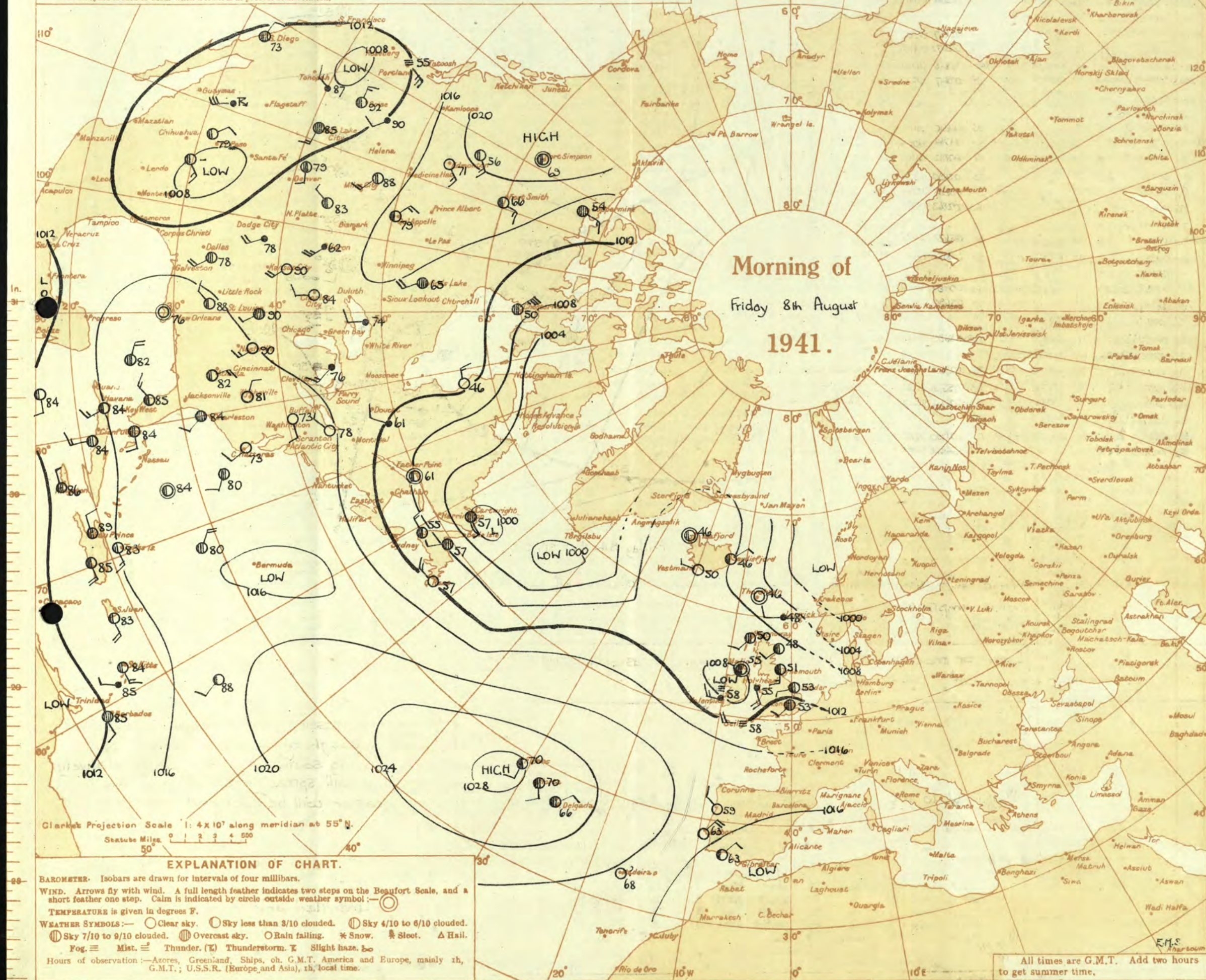
C 263/4020. No. 8/76. D. 6034. 6p. 348. 3300. 5/41



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Friday 8th August, 1941.  
 No. 29, 114.

OBSERVATIONS at 1 hr. G.M.T. 8th August															OBSERVATIONS at 7 hr. G.M.T. 8th August															PAST 24 HOURS.										
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visib. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visib. 0-9 (22)	Cloud.					Barom. at M.S.L. (29)	Change in 3 hours. (30)	TEMPERATURE.		RAINFALL.		SUN-SHINE 7h-18h Hrs. (36)					
					Direc.	Force.					Low.	Med.	High.	Low 0-10	Total 0-10			Height of Base (feet) (14)	Direc.					Force.	Low.	Med.	High.	Low 0-10			Total 0-10	Height of Base (feet) (28)	State of Ground. 0-9	Sea. 0-9		Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	1009.7	-14	ESE	2	rr	53	85	6	6	2	-	4-6	10	1500	1	64	52	44	-	2	6.1					
	Croydon	217	1013.1	-6	SSW	2	c	53	75	7	3	6	2-3	7-8	3000	1010.2	-14	SSW	2	rr	51	92	4	6	2	-	7-8	10	1400	1	66	50	47	-	1	8.1				
	S. Farnborough	226	1012.4	-6	W'S	1	c	51	85	8	-	3	9	0	7-8	-	1009.3	-22	SE	2	dd	52	85	5	5	-	10	10	600	1	66	49	42	-	1	6.9				
	Boacombe Down	417	1013.7	-8	SWW	1	c	51	85	8	-	7	7	0	10	-	1007.0	-22	SE	4	RR	54	97	5	5	-	10	10	200	1	64	50	44	-	1	1.8				
	Cashy (S. Farnborough)	103	1013.4	-10	W	2	c	55	75	7	-	7	0	9+	-	1009.2	-28	S'E	3	id	56	92	6	5	-	10	10	800	1	67	53	48	-	1	+					
	Lympne	346	1014.4	-4	WSW	2	c	55	97	7	5	3	-	4-6	9	7000	1012.4	-10	-	0	53	85	8	5	2	-	4-6	9+	6000	1	65	50	42	-	-	7.1				
	Manston	154	1012.3	-10	SWW	2	z	55	92	6	5	7	-	2-3	9	4000	1010.7	-6	SWW	2	c	56	75	8	5	3	-	9	9+	7000	0	65	51	50	-	Tr	10.8			
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	1010.9	-6	WSW	2	ir	56	75	6	5	7	-	4-6	10	4000	0	67	52	46	-	Tr	9.5					
	Felixstowe	15	1011.7	-8	W	2	c	59	75	7	-	-	0	10	-	1010.5	-4	W'N	2	z	56	86	6	-	3	-	0	9	-	0	1	67	54	49	-	-	9.3			
	Gorleston	5	1012.6	-2	W'S	1	c	53	85	7	7	-	-	9+	9+	2500	1009.8	-6	W'S	1	bc	52	85	6	1	4	-	2-3	4-6	2500	1	63	52	47	-	1	+			
	Mildenhall	19	1011.5	-8	-	0	c	54	85	7	5	-	-	9+	9+	3500	1009.7	-6	WSW	1	z	52	92	6	5	7	-	1	9+	5700	0	67	47	38	-	Tr	+			
	Cranwell	240	1011.6	-4	W'N	1	z	52	85	6	5	-	-	9+	9+	4500	1009.8	-6	SW	1	z	55	65	6	-	7	-	0	9	-	0	64	47	40	-	-	9.7			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	1008.8	-14	SE	1	rr	50	97	4	6	-	-	10	10	800	1	61	48	40	-	2	5.5					
	Upper Heyford	408	1012.6	-4	-	0	c	50	85	7	-	3	-	0	7-8	-	1009.2	-20	SSW	1	dd	50	97	5	6	2	-	7-8	10	900	1	64	49	-	-	3	+			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	1007.1	-20	ENE	2	id	53	97	6	5	-	-	10	10	800	1	64	51	45	-	3	6.8					
5	Hartland Point	299	1010.1	-24	S	3	ir	55	97	7	5	2	-	4-6	10	2500	1006.8	-6	WNW	3	rf	59	97	3	-	-	10	10	4150	1	61	55	55	-	8	9.0				
	Bristol	209	1012.9	-14	S	2	c	54	85	8	5	2	-	7-8	10	2600	1006.9	-30	SSW	3	c/d	57	92	7	5	3	-	9+	9+	400	1	65	51	47	-	1	7.8			
	Portland Bill	32	1013.9	-12	W	3	c/pr	58	92	8	5	-	-	10	10	2500	1007.3	-24	SW	4	rr	59	92	7	5	-	-	10	10	2500	1	62	55	-	-	3	+			
	Plymouth	82	1012.6	-22	SW'S	3	dr	56	97	4	6	2	-	9+	10	200	1008.0	-14	W	1	id	58	97	5	5	-	-	10	10	100	1	68	56	55	Tr	12	8.3			
	The Lizard	240	1011.5	-28	SW	4	cf	58	97	2	5	-	-	10	10	400	1008.6	-12	W	4	df	57	97	1	5	-	-	10	10	400	1	62	56	-	-	9	9.4			
	Scilly (St. Mary's)	163	1011.5	-28	W	4	cf	58	97	2	5	-	-	10	10	800	1008.8	-6	WNW	4	c/f	59	97	6	5	2	-	7-8	10	1200	1	64	57	-	-	7	7.3			
	Guernsey	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
6	Pembroke	142	1009.6	-20	S	5	rf	57	97	6	-	2	-	10	10	450	*	-4	WNW	4	c	53	97	7	5	2	-	4-6	10	1500	1	60	-	-	3	9.9				
7	Holyhead (Valley)	26	1009.0	-16	SSW	3	id	55	92	8	5	2	-	7-8	10	2500	1006.0	-10	ENE	2	c	56	85	9	5	-	-	9	9	3000	1	62	52	51	-	0.1	+			
	Chester (Sealand)	16	1010.9	-14	SE	1	bc	47	97	8	-	3	-	0	2-3	-	1008.0	-14	SE	2	dd	51	97	5	5	-	-	10	10	2000	1	60	45	37	-	Tr	3.9			
8	Manchester	70	1011.3	-12	ESE	1	bc/f	45	92	5	-	-	8	0	4-6	-	1008.6	-16	E	2	m/f	52	85	4	5	7	-	4-6	10	5000	0	61	41	34	Tr	-	2.5			
10	Spurn Head	29	1011.0	0	W	3	bc	53	75	7	-	-	1	0	2-3	-	1009.5	-2	WSW	2	z	56	75	6	4	1	1	2-3	4-6	4000	0	62	51	-	Tr	0.2	6.1			
	Catterick	175	1010.8	-6	SWW	1	c	51	85	7	5	3	-	2-3	9+	5000	1009.2	-6	-	0	52	85	9	5	-	-	7-8	9	6000	0	63	49	47	0.3	Tr	3.8				
	Tynemouth	108	1011.3	-4	S	3	c	51	75	6	8	-	-	7-8	7-8	2500	1009.6	-6	SW	2	m	53	85	4	5	-	-	9+	9+	4200	1	57	50	48	0.2	-	+			
11	St. Abba Head	280	1009.4	-6	W	2	bc	51	75	7	5	2	-	2-3	4-6	1500	1008.1	-6	W	2	ir	52	85	9	5	7	-	7-8	9+	2500	1	58	49	-	Tr	0.2	6.4			
	Leuchars	36	1008.6	-6	WNW	1	b	49	92	8	5	-	6	Tr	2-3	4000	1007.4	-4	WNW	2	c	52	85	8	5	-	-	9	9	4000	0	63	49	39	0.3	0.2	6.4			
12	Renfrew (Abbots L.)	19	1009.5	-6	-	0	c	51	92	7	5	-	-	9+	9+	4000	1008.2	-2	-	0	52	92	7	5	-	-	10	10	2500	1	64	49	41	-	Tr	13.7				
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.8	-4	-	0	c	45	92	8	5	-	-	9+	9+	1800	0	61	46	39	-	-	10.4				
	Point of Ayre	30	1009.4	-12	SW	2	c	53	92	8	5	-	-	9+	9+	6000	1007.5	-6	S	3	c	57	85	8	6	7	-	4-6	9+	2000	0	63	47	-	-	-	5.7			
13A	Tiree	22	1009.3	-2	*	0	c	51	92	7	5	-	-	9+	9+	1800	1008.4	0	NW'W	1	bc	54	85	8	5	-	-	4-6	4-6	2500	0	57	49	-	-	-	9.5			
13B	Stornoway	80	1008.6	-8	SSW	1	c	50	92	7	5	7	-	4-6	9+	2000	1007.2	+2	WSW	3	c	50	97	8	5	7	6	4-6	7-8	2000	1	58	47	-	0.1	Tr	3.4			
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.0	-6	ENE	1	c	46	85	8	5	9	-	-	4-6	9+	2500	1	59	35	29	-	0.2	6.0			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.0	-14	NW'W	1	bc	51	85	8	7	-	-	6	2-3	4-6	3100	1	59	47	41	Tr	1	8.4			
	Wick	119	1008.3	-6	WSW	1	c	46	97	8	5	7	-	2-3	9	4000	1006.5	-10	WSW	2	c	51	85	9	5	7	-	4-6	9	4500	0	+	+	+	+	+	+			
16	Sumburgh	30	1005.9	-2	NW'W	4	PR	49	92	6	5	7	-	9	10	800	1004.4	-2	WSW	4	c	52	85	8	8	7	4	4-6	7-8	1800	+	+	+	+	+	+	+			
17	Blacksod Point	18	1006.7	0	SE	3	c	57	97	7	5	-	-	9	9	1500	1007.7	+8	-	0	57	97	7	5	-	-														



AIR  
MINISTRY.THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.SECRET  
BRITISH SECTIONSaturday 29th August 1941.  
No. 25115.

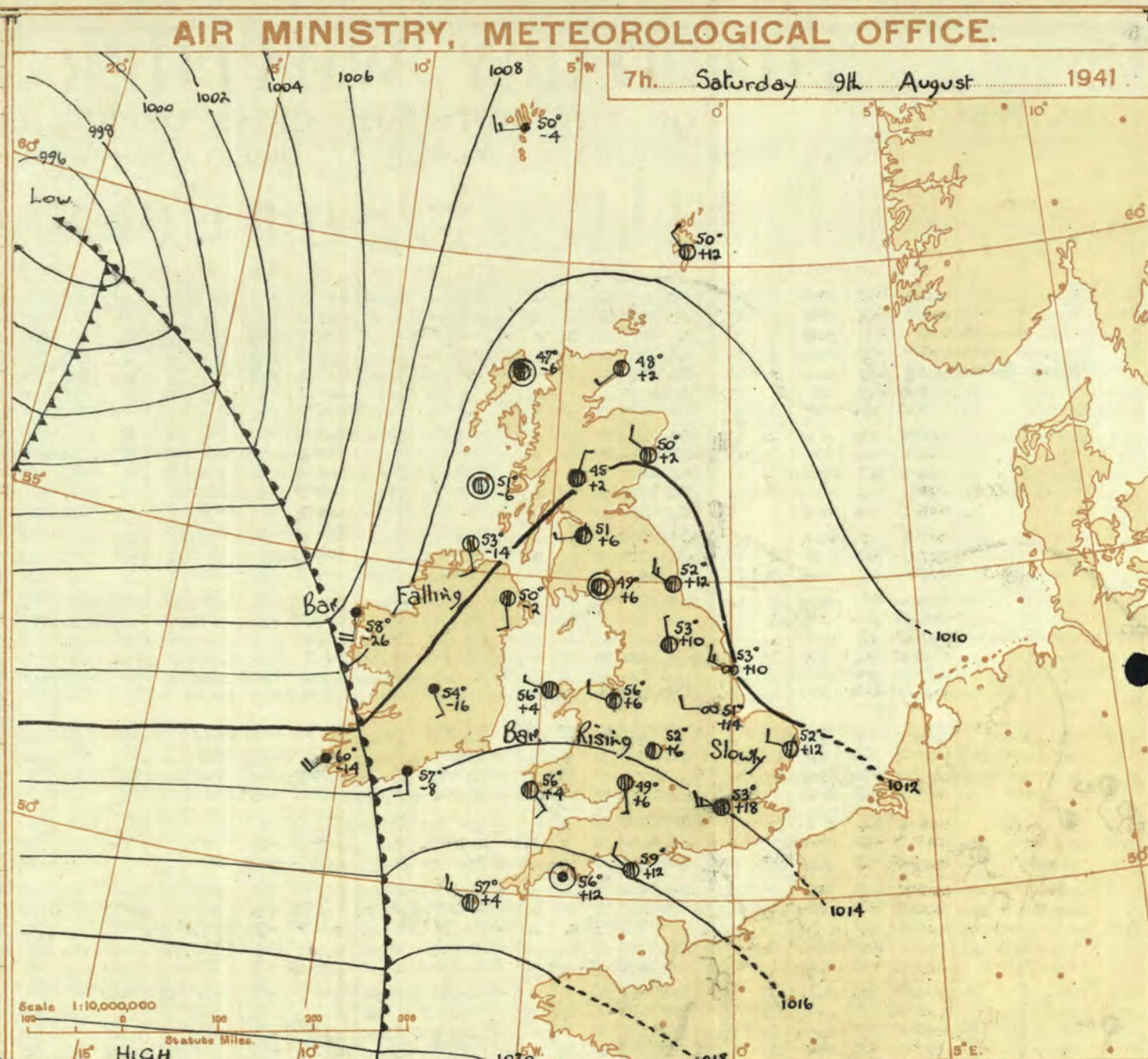
OBSERVATIONS at 13h. G.M.T. 28th August														OBSERVATIONS at 18h. G.M.T. 28th August														PAST 24 HOURS.							
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	°C.	Humid. %	Visibility. m.	Cloud.				Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	°C.	Humid. %	Visibility. m.	Cloud.				State of Ground.	Sea.	WEATHER.					
				Dir.	Force.						Form.	Amount.	Height of Base (feet).	Dir.			Force.	Form.						Amount.	Height of Base (feet).	7h.—13h. 8th	13h.—18h. 8th			18h.—to 1h. 9th	1h.—7h. 9th				
																																Low.	Med.	High.	Low.
1	London (Kew)...	1006.8	-12	SSE	2	id.	59	27	6	5	2	-	7-8	10	1500	1007.6	+10	NW	3	id.	60	22	5	5	-	2	2	1500	1	*	rdmrdidm	cidm	cbbcb	cbcb	
	Croydon ...	1007.1	-14	SSE	2	d.	59	27	6	6	2	-	4-6	10	800	1007.0	+4	W	2	id.	60	27	4	5	-	10	10	800	1	*	rdmrdidm	cidm	cbbcb	cbcb	
	S. Farnborough	1006.1	-14	SSE	2	c/d	61	27	6	5	2	-	7-8	7-8	500	1005.5	+10	NW	3	c	61	25	7	8	-	10	10	1400	1	*	od ddr	cm d	bbcb	cbcb	
	Boscombe Down	1006.7	-4	WNW	4	c/r	64	22	8	6	2	-	7-8	2	1000	1008.5	+14	NW	4	c	63	75	8	5	-	7-8	7-8	2500	0	*	cd ddr	c	bbcb	cbcb	
	(Thorney Island)	1006.5	-12	WNW	2	id.	66	25	8	5	-	-	2	10	800	1007.2	+8	NW	4	bc	66	75	7	4	6	3	1	4-6	4000	1	*	cd ddr	c	bbcb	cbcb
	Lymington	1007.5	-18	SE	3	DD	55	27	4	2	-	-	10	10	200	1007.6	-4	-	0	c	59	27	7	5	-	10	10	200	1	*	rr RRm	DDrrd	cidcb	cbcb	
	Manston	1008.5	-14	S	3	c	55	27	5	6	-	-	10	10	200	1006.9	-6	SEE	1	o/d	57	27	6	5	-	10	10	800	1	*	cd ddr	c	bbcb	cbcb	
2	Shoeburyness ...	1008.5	-20	SW	3	c/r	58	27	5	6	2	-	7-8	10	1500	1007.9	-2	SE	2	id.	59	22	8	5	2	-	10	10	800	1	*	cd ddr	c	bbcb	cbcb
	Felixstowe ...	1008.7	-14	S	2	c/r	59	25	8	6	1	-	2	10	800	1007.6	-4	SEE	2	id.	59	25	8	5	-	10	10	1400	1	3	cd ddr	c	bbcb	cbcb	
	Gorleston ...	1008.8	-12	SWW	3	c	62	25	7	8	2	-	2	10	2400	1008.4	-2	SW	3	id.	59	22	6	5	-	10	10	1700	1	3	cd ddr	c	bbcb	cbcb	
	Mildenhall ...	1008.1	-10	WSW	2	c	63	25	8	5	2	-	7-8	10	1200	1007.9	+4	N	1	c/d	58	27	7	5	2	-	7-8	10	300	1	*	cd ddr	c	bbcb	cbcb
	Cranwell ...	1008.3	-4	SSE	1	c	60	25	6	5	-	-	2	10	5700	1008.2	0	NE	1	bc	62	25	7	5	3	-	2-3	4-6	5700	0	*	cd ddr	c	bbcb	cbcb
3	Birmingham	1007.8	0	ESE	1	d.	55	27	4	6	-	-	10	10	800	1008.0	+4	W	1	bc	62	25	6	5	3	-	1	2-3	4000	1	*	cd ddr	c	bbcb	cbcb
	Upper Heyford	1007.1	-6	ENE	2	id.	57	27	5	6	2	-	2	10	300	1008.0	+2	N	2	bc	59	25	7	8	-	2-3	2-3	1500	1	*	cd ddr	c	bbcb	cbcb	
4	Ross-on-Wye ...	1007.1	0	NW	3	c	61	25	7	5	-	-	10	10	1500	1008.5	+4	NE	2	b	62	25	7	5	-	Tr	Tr	2500	1	*	cd ddr	c	bbcb	cbcb	
5	Hartland Point	1008.4	+8	WNW	2	c	59	27	8	5	-	-	2	10	1400	1010.6	+12	WNW	3	c	59	22	8	5	-	2	2	2000	1	3	cd ddr	c	bbcb	cbcb	
	Bristol ...	1006.9	+4	WNW	3	id.	64	25	7	5	2	-	2	10	300	1008.7	+10	NW	4	bc	64	25	8	5	4	-	2-3	4-6	4200	1	*	cd ddr	c	bbcb	cbcb
	Portland Bill ...	1007.4	+2	WSW	4	c	60	22	8	5	-	-	2	10	2500	1001.8	+10	W	4	c	62	25	8	5	-	7-8	2	2500	1	4	cd ddr	c	bbcb	cbcb	
	Plymouth ...	1008.5	+2	NW	3	c/d	66	25	8	5	-	-	2	10	1600	1010.7	+10	NW	4	c	63	25	8	8	-	2	2	2500	1	3	cd ddr	c	bbcb	cbcb	
	The Lizard ...	1009.8	+8	WNW	4	bc	64	25	8	2	6	-	4-6	4-6	2500	1011.8	+8	NW	4	c	59	27	7	8	2	-	2	10	1200	1	2	cd ddr	c	bbcb	cbcb
	Soilly (St. Mary's)	1011.0	+10	NW	4	o	62	27	5	5	-	-	10	10	500	1012.5	+10	NW	4	c	60	25	6	5	2	-	7-8	2	1200	1	3	cd ddr	c	bbcb	cbcb
	Guernsey ...																																		
6	Pembroke ...	1008.7	+14	NW	4	c	60	25	8	8	6	-	4-6	2	2500	1011.1	+10	NW	3	bc	60	25	8	8	6	-	4-6	4-6	3000	0	3	cd ddr	c	bbcb	cbcb
7	Holyhead (Valley)	1007.2	+10	NW	4	c	66	25	7	8	3	-	4-6	7-8	2800	1010.0	+22	NW	4	c	59	25	8	5	2	-	2-3	2	2500	0	2	cd ddr	c	bbcb	cbcb
	Chester (Sealand)	1007.7	-2	ESE	1	c	62	25	7	5	-	-	2	10	2000	1008.9	+8	NW	4	c	60	25	7	8	3	-	7-8	2	1500	0	*	cd ddr	c	bbcb	cbcb
8	Manchester ...	1007.8	-2	SW	1	bc	65	25	7	1	3	4	2-3	4-6	3000	1008.4	+8	NW	2	bc	62	25	6	8	3	-	4-6	7-8	5000	0	*	cd ddr	c	bbcb	cbcb
10	Spurn Head ...	1008.4	-4	E'N	3	c	57	25	8	5	-	-	2	10	2500	1008.6	0	E	2	b	57	25	7	-	6	-	0	1	..	0	2	cd ddr	c	bbcb	cbcb
	Catterick ...	1007.5	-6	SSW	1	c	64	25	8	7	3	-	4-6	2	4000	1008.5	+6	-	0	c/r	60	25	8	8	4	-	7-8	2	2800	0	*	cd ddr	c	bbcb	cbcb
	Tynemouth ...	1008.5	-2	SE	3	c	57	25	7	8	-	8	2	2	3000	1009.0	+4	SE	2	c	56	25	7	8	-	7-8	7-8	2500	1	2	cd ddr	c	bbcb	cbcb	
11	St. Abbs Head	1007.7	-2	SE	1	c	58	25	8	4	4	-	2-3	7-8	2500	1007.4	-2	SW	2	c	56	25	8	2	4	8	4-6	7-8	2500	0	1	cd ddr	c	bbcb	cbcb
	Leuchars ...	1006.9	-2	WNW	3	c	62	25	8	3	3	-	4-6	7-8	3500	1007.6	+8	N	2	pr	56	25	8	8	6	-	2	2	2500	1	*	cd ddr	c	bbcb	cbcb
12	Renfrew (Abbots L.)	1007.8	-4	NW	3	bc	61	25	8	3	-	-	4-6	4-6	3000	1008.8	+2	NW	4	b	60	25	8	8	-	1	1	2500	0	*	cd ddr	c	bbcb	cbcb	
	Eskdalemuir ...	1008.1	+4	WSW	3	c/r	55	25	8	8	-	-	2	10	1500	1008.0	-4	SSW	2	bc	56	25	8	8	-	4-6	4-6	2500	0	3	cd ddr	c	bbcb	cbcb	
	Point of Ayre ...	1008.6	+8	NNE	1	c/d	57	25	8	6	7	1	4-6	2	1600	1009.6	+2	NW	4	b	60	25	8	2	4	-	Tr	1	2500	0	3	cd ddr	c	bbcb	cbcb
13A	Tiree ...	1009.7	+6	NW	2	bc	58	25	8	1	-	-	4-6	4-6	2800	1010.7	+2	NW	3	bc	57	25	8	1	3	-	2-3	4-6	2800	0	3	cd ddr	c	bbcb	cbcb
13B	Stornoway ...	1002.8	+2	NW	3	c	57	25	8	7	-	-	7-8	2	2000	1010.4	+8	NNE	4	c	55	25	8	5	7	-	4-6	7-8	2500	1	2	cd ddr	c	bbcb	cbcb
15	Dalwhinnie ...	1007.7	0	SSW	3	bc	57	25	8	7	-	-	4-6	4-6	4000	1009.6	+8	NE	2	pr	53	25	8	8	-	2	2	2500	1	*	cd ddr	c	bbcb	cbcb	
	Aberdeen ...	1007.0	+2	SSE	3	pr	58	25	8	8	-	-	2	10	2200	1008.1	+6	-	0	ir	56	25	8	8	-	2	2	4500	1	1	cd ddr	c	bbcb	cbcb	
	Wick ...	1006.6	+2	NW	4	c	58	25	8	2	3	-	4-6	7-8	3000	1008.5	+14	NW	3	bc	53	25	8	2	4	-	4-6	4-6	3000	0	*	cd ddr	c	bbcb	cbcb
16	Sumburgh ...	1005.0	+6	NW	2	c	53	25	8	7	-	-	4-6	2	1500	1006.7	+14	NW	3	c	51	25	8	8	3	-	2	2	2500	*	*	cd ddr	c	bbcb	cbcb
17	Blackod Point...	1011.4	+14	NNE	3	c	62	25	8	-	7	-	0	2	-	1013.2	+6	NW	2	c	59	25	8	-	7	-	0	2	-	0	3	cd ddr	c	bbcb	cbcb
18	Malin Head ...	1009.9	+10	W	1	c	59	25	8	2	-	-	4-6	7-8	5700																				



Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 8th August				15h. G.M.T.				01h. G.M.T. 9th August				07h. G.M.T.			
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN
109	87	25055	26386	87	02855	29325	8-	02654	24224	83	02855	28225			
115	57	81844	28386	54	02844	32385	52	02844	28327	54	02844	04325			
203	5-	22936	20326	5-	25838	06388	5-	01943	32323	5-	02938	08118			
206	8-	02965	24285	8-	02864	28287	5-	01964	28114	57	02964	28126			
210	8-	25064	26284	8-	81957	28287	53	01963	30285	53	02964	00027			
220	73	01953	27284							57	02863	14228			
230	84	02955	26325	84	02955	24325	84	00952	26223	57	02845	00027			
245	84	81964	24286	8-	81857	04287	5-	02967	31387	5-	25867	04187			
260	8-	05654	26126	86	01974	28214	5-	02976	16186	5-	05666	00026			
278	8-	02985	30365	74	00951	28413	20	01941	26304	97	02941	22217			
279	8-	22757	24167	8-	02855	20215				85	02853	31125			
285	23	02854	24327							23	02635	28316			
288	7-	02854	02127	01	25554	20128	53	08464	20116	5-	05658	26128			
575	10	01864	32314	8-	02855	28315	5-	02858	28228	57	02855	12228			
301	27	01761	22212	07	01790	30423	10	01753	28314	24	01852	28425			
321	73	02763	14214	43	01762	12114	50	05561	25101	53	05662	24115			
299				57	01754	14216									
292	13	01753	10114	5-	02857	00087	50	05761	26111	53	01964	27114			
310	--	01644	12314							--	48209	26329			
614	57	05674	08128	9-	02747	08127	00	05590	24304	57	05671	24216			
333	83	01962	28212	5-	01965	28315	04	01990	20112	57	02975	00027			
334	--	01753	30214							--	03646	04128			
340	5-	02748	14258	8-	02753	28215	00	00890	24113	54	02964	24227			
136	17	61763	18268	46	22765	05366	53	04583	28115	53	08476	20147			
336	52	02763	12328	14	01861	04413				51	02762	32318			
350	62	52436	08258	83	02844	30216	04	05590	22313	03	05690	26215			
368	86	02846	24457	80	00853	21323				57	61761	00028			
379	6-	05628	00068	20	01754	32254	00	05590	28301	03	02890	28316			
390	62	62527	12268	52	05637	06258	50	47372	18142	07	05690	24315			
382				70	05653	30213	02	08490	28111	03	02890	26216			
435	--	44103	22453							55	02643	07315			
430	5-	51638	18258	7-	01864	30314	00	04630	22111	03	01890	28213			
409	52	02627	30328	62	05618	28368	57	02736	00027	5-	62508	24368			

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



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 9th August 1941
1 S.E. England	Wind southwest light or moderate freshening somewhat; cloudy, a period of continuous rain this evening, followed by occasional rain; rather cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind southwest to west moderate or fresh becoming strong locally; cloudy, rain at times, improving tomorrow; rather cool.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	As 1-4.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	Wind south veering southwest to west and freshening; cloudy, rain at times; bright intervals and showers tomorrow; rather cool.
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	As 5-9.
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.

BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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

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.

GENERAL INFERENCE.

A depression on the Atlantic will move eastward off Northern Scotland. Rain will spread to all districts.

FURTHER OUTLOOK.

Unsettled but some bright intervals

Forecasts issued at 10.30.

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

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

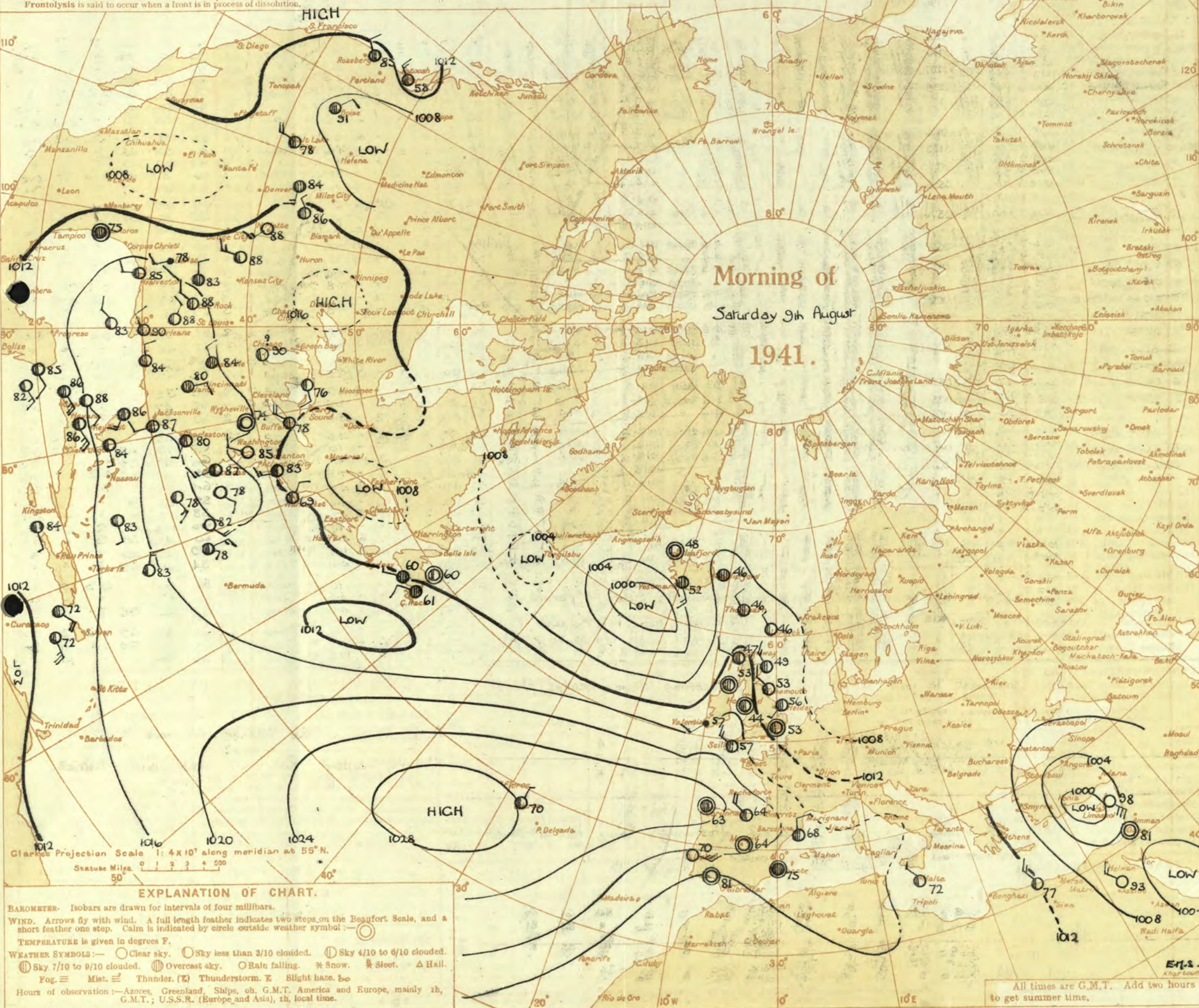


# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.  
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.

Morning of  
Saturday 9th August  
1941.



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



## THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 9th August, 1941.

No. 29, 115.

OBSERVATIONS at 1 hr. G.M.T. 21st August														OBSERVATIONS at 7 hr. G.M.T. 21st August														PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE Hrs.	
					Dir.	Force.					Form.	Amount.	Height of Base (feet)	Dir.	Force.			Form.	Amount.					Height of Base (feet)	Max. Day 7h-13h °F.	Min. Night 13h-7h °F.	Min. on Grass °F.	Day 7h-13h mm.			Night 13h-7h mm.						
																																Low.	Med.	High.	Low.		Med.
1	London (Kew) ... 18 Croydon ... 217 S. Farnborough ... 226 Boscombe Down ... 417 London (Island) ... 10 Lymington ... 346 Manston ... 154	1011.5 1012.2 1013.3 1012.2 1011.1 1010.2	+1.4 +1.8 +1.8 +1.6 +1.4 +1.4	- WNW WNW NNW NW WNW	0 1 3 2 2 2	20 m/f 20 20 NW NW	53 51 53 53 54 56	97 97 97 97 97 92	5 4 5 6 6 7	5 - - - 1 2	- - - - - -	2-3 1 4-6 0 2-3 7-8	2-3 1 4-6 0 2-3 7-8	3500 600 2000 - 1200 1800	1014.2 1014.1 1014.5 1015.4 1014.4 1013.5	+1.8 +1.8 +1.6 +1.4 +1.2 +1.6	WN W WNW WNW NW WNW	2 3 2 1 2 2	20 20 20 20 20 20	54 52 52 52 52 54	85 85 85 85 85 85	6 6 6 7 6 6	5 - - 5 - 3	9 5 3 6 6 6	2 5 7 6 6 6	1 1 1 1 1 1	7-8 7-8 7-8 7-8 7-8 7-8	4000 1500 - 4000 4000 200	1 1 1 1 1 1	61 62 66 66 71 59	51 50 48 50 51 53	40 48 40 43 44 47	7 4 2 1 0.2 9	Tr Tr 0.1 - Tr Tr	0.0 0.0 0.6 1.7 4 0.0		
2	Shoeburyness ... 11 Felixstowe ... 15 Gorleston ... 5 Mildenhall ... 19 Cranwell ... 240	1009.7 1009.5 1010.2 1010.1	+1.0 +1.0 +1.0 +1.0	NNW NW SSW W	3 2 1 2	20 b SSW 20	55 52 50 52	97 92 97 85	6 6 3 5	5 - 3 -	- - - -	4-6 0 0 0	4-6 0 2-3 7-8	7200 - - -	1013.5 1012.1 1012.1 1012.6 1012.7	+1.6 +1.2 +1.2 +1.4 +1.4	WNW NW WNW WS W	3 3 2 3 2	20 20 20 20 20	54 54 52 52 51	85 92 92 97 92	6 5 5 6 6	- 5 - - 4	6 3 - 9 4	0 - - 9 0	1 1 1 1 0	7-8 7-8 4-6 9 9	4000 1500 1500 1500 -	1 1 1 1 0	60 61 63 60 63	51 52 49 47 49	45 48 45 41 47	3 1 Tr 0.3 -	0.3 Tr 2 Tr -	0.0 1.3 4 0.2 3.1		
3	Birmingham ... 535 Upper Heyford ... 408 Ross-on-Wye ... 223	1011.5 1011.5	+1.4 +1.4	WNW WNW	3 3	m/f m/f	52 52	97 97	4 4	5 5	- -	7-8 7-8	7-8 7-8	1500 1500	1014.2 1013.7 1014.8	+1.6 +1.0 +1.6	WNW WNW S	3 3 1	20 20 20	52 53 49	75 85 92	6 8 8	- - 5	6 6 6	0 0 0	1 1 1	7-8 9 9	1500 2500 2500	1 1 1	62 59 63	49 48 46	43 45 41	1 8 0.6	- Tr -	2.1 Tr 1.6		
5	Hartland Point ... 299 Bristol ... 209 Portland Bill ... 32 Plymouth ... 82 The Lizard ... 240 Scilly (St. Mary's) ... 163 Guernsey ... 175	1013.3 1013.3 1012.3 1014.6 1015.1 1015.8	+1.2 +1.4 +1.8 +1.2 +1.0 +1.2	WNW W NW NW NW NW	2 3 3 3 2 3	bc bc c b bc c	57 53 59 57 57 57	97 92 85 92 97 97	8 7 8 8 8 7	2 - 2 - 8 5	4 3 8 - 6 -	6 0 7-8 1 4-6 10	4-6 4-6 7-8 4-6 4-6 10	2500 - 2500 4000 2500 1500	1014.5 1015.3 1015.4 1016.5 1016.7 1016.5	+1.2 +1.4 +1.2 +1.2 +1.0 +1.4	SW SW NW NW NW NW	3 1 2 - 2 3	20 20 20 20 20 20	53 54 53 56 56 57	97 85 85 97 97 97	8 7 8 8 7 8	5 5 2 7 5 5	2 7 4 - - 7	7-8 10 10 7-8 9 10	1500 3000 4000 2000 1500 1500	1 1 1 1 1 1	61 68 63 67 65 63	54 50 57 53 55 56	51 37 7 48 48 48	Tr 0.3 - 0.1 0.4 0.1	- - Tr Tr Tr Tr	0.6 3.1 3.1 2.4 3.2 1.5				
6	Pembroke ... 142	1014.0	+1.0	-	0	bc	55	92	8	8	1	9	4-6	4-6	3500	1014.8	+1.4	SE	2	20	56	97	8	8	1	-	7-8	10	2500	0	2	64	54	48	0.1	-	5.0
7	Holyhead (Valley) ... 26	1013.1	+1.2	-	0	c	44	97	9	4	-	6	1	9	4000	1013.3	+1.4	WNW	1	20	56	92	9	5	7	-	9-10	4500	0	1	67	44	35	-	-	4	
8	Chester (Sealand) ... 16	1012.2	+1.2	NW	3	b	55	85	7	1	4	-	Tr	1	3000	1013.3	+1.6	WNW	2	20	56	75	8	8	-	9	9	2200	0	1	68	51	42	Tr	-	5.8	
8	Manchester ... 70	1011.8	+1.0	WNW	1	f	44	97	6	5	-	8	Tr	1	5000	1013.3	+1.6	WSW	1	20	54	92	6	2	3	6	2-3	9	3500	1	1	68	43	37	Tr	-	6.1
10	Spurn Head ... 29 Catterick ... 175 Tynemouth ... 108	1009.9 1010.9 1010.3	+1.2 +1.6 +1.0	SSW WNW NW	1 2 2	20 20 bc	56 52 53	92 75 85	6 6 7	5 3 -	- 3 -	9-10 4-6 6	9-10 7-8 4-6	1500 3200 -	1011.8 1012.8 1012.5	+1.0 +1.0 +1.2	WNW NW NW	3 1 3	20 20 20	53 53 52	92 85 85	6 8 6	5 5 8	7 3 3	2 1 -	2-3 2-3 4-6	4-6 7-8 7-8	4000 3200 2200	0 0 1	2	63 66 59	53 47 50	48 40 49	- 0.1 Tr	- - -	7.3 3.7 *	
11	St. Abbs Head ... 280 Leuchars ... 36	1010.6 1010.8	+1.8 +1.2	NNW -	2 0	bc c	53 50	92 92	8 8	4 5	4 -	2-3 10	4-6 10	2500 2500	1012.2 1012.1	+1.8 +1.8	NNE ESE	2 2	20 pr	52 51	75 85	8 8	5 5	4 -	- 10	9 10	3000 2200	1 1	2	60 65	48 49	45 45	Tr 1	0.4 0.3	4 3.9		
12	Renfrew (Abbots I.) ... 19 Eskdalemuir ... 794 Point of Ayre ... 30	1011.4 1012.0 1012.0	+1.0 +1.0 +1.0	WSW NW NW	2 4 4	bc b b	48 54 54	85 92 92	8 8 8	5 2 2	- 1 1	4-6 Tr Tr	4-6 1000 1000	5700 1000 1000	1012.4 1012.3 1012.4	+1.8 +1.6 +1.6	WS c WS	1 0 2	pr c c	51 49 55	85 92 85	8 8 8	- 5 8	3 7 8	1 - 8	0 7-8 7-8	- 2500 2500	0 0 0	3	64 59 64	45 44 52	45 36 48	1 0.2 Tr	0.3 - -	3.9 2.6 5.3		
13A	Tiree ... 22	1011.9	+1.0	-	0	bc	51	85	8	2	-	4-6	4-6	2500	1011.2	-1.6	-	0	c	51	92	9	5	3	-	4-6	7-8	2500	0	2	59	45	45	1	-	16.1	
13B	Stornoway ... 80	1012.4	+1.6	WNW	1	c	47	92	8	5	7	0	10	2500	1011.5	-1.6	-	0	c	47	92	9	5	7	5	4-6	7-8	3500	1	1	58	43	43	1	-	6.1	
15	Dalwhinnie ... 1176 Aberdeen ... 79 Wick ... 119 Sumburgh ... 30	1011.8 1011.2 1009.1	+1.2 +1.6 +1.0	- NW NW	- 2 1	- c/pr bc	47 46	92 85	8 8	5 8	3 3	- - 2-3	9 9 4-6	3000 2000 2000	1011.8 1011.7 1010.2	+1.2 +1.2 +1.2	NNE NW NW	1 1 2	0 c bc	45 50 50	92 85 75	7 8 9	5 8 8	- 4 -	- 6 4-6	10 7-8 4-6	1500 3500 2100	1 1 1	2	60 60 54	42 42 45	38 38 35	2 2 *	6 6 *	2.6 5.6 4		
17	Blackod Point ... 18	1013.5	-1.2	-	0	c	55	85	8	-	7	-	6	10	-	1008.5	-2.6	S	4	id	58	97	7	6	-	-	10	10	800	1	4	66	54	48	0.3	2	4
18	Malm Head ... 84 Aldergrove ... 268	1012.7 1013.4	+1.4 +1.6	- -	0 0	c c	53 46	85 97	8 7	4 5	- 3	- 7	7-8 4-6	7-8 10	5700 2000	1010.8 1012.9	-1.4 -2	S/E S/E	2 1	c c	53 50	85 92	8 8	5 3	7 1	- 4-6	9 9	5700 4000	0 1	2	60 63	49 44	48 38	Tr Tr	- -	5.4 2.5	
19	Birr Castle ... 173	1014.1	+1.6	NNW	1	c	53	92	8	5	1	-	7-8	10	2500	1012.3	-1.6	SSE	1	rr	54	97	7	5	-	-	10	10	2500	1	3	66	53	49	0.3	2	2.4
20	Valentia Obey ... 30 Roches Point ... 22	1016.0 1015.1	+1.2 +1.8	SW WNW	2 4	ir c	57 57	97 97	6 8	5 5	- 3	- 2-3	10 7-8	800 2500	1013.1 1014.0	-1.4 -1.8	SW S	4 2	rr rr	60 57	97 97	5 7	5 6	- 2	- 7-8	10 10	800 800	1 1	3	61 66	57 56	54 54	0.1 -	2 4	2.4 4		



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

**SECRET**  
BRITISH SECTION  
Sunday 10th August, 1941  
29, 116  
No. 116

OBSERVATIONS at 13h. G.M.T. 9th August															OBSERVATIONS at 18h. G.M.T. 9th August															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Direc. (17)			Force (18)	Form. (23)					Amount (24)	Height of Base (feet) (25)	7h.—18h. 9th (37)	13h.—18h. 9th (38)			18h.—10th 10th (39)	1h.—7p. 10th (40)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
																														Low.	Med.	High	Low	Total	Low	Total	Low	Total																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1	London (Kew) ... Croydon ... S. Farnborough Boscombe Down Thorney Island Lymington ... Manston ...	1015.2 1015.0 1015.6 1015.7 1016.1 1015.6 1014.9	+4 +2 +2 -2 +4 +8 +10	WSW NW WS SSW SW WNW NW	3 3 3 3 2 3 3	c bc c c c bc bc	63 64 65 62 63 64 64	55 55 55 75 75 55 65	8 8 8 7 5 7 7	8 1 7 5 5 1 2	8 - - - - - -	4-6 4-6 2-3 3 4-6 4-6 2-3	7-8 4-6 3 3 10 4-6 2-3	2500 3000 2500 2000 4000 2500 2500	1013.4 1013.9 1013.3 1014.0 1014.6 1015.8 1014.5	-18 -12 -14 -14 -14 -2 -6	SSW SW SSW SW SW WSW SWW	3 3 3 4 3 2 3	c id id c/r c c c	61 63 63 62 63 61 63	85 85 85 85 85 85 75	8 8 8 8 8 8 7	5 7 2 5 5 5 5	5 - - - - - -	10 4-6 7-8 4-6 3 3 3	10 3000 2000 1400 1500 4500 5000	1 1 1 0 0 1 1	*	cyc cm, c cyc cm, c bcyc cm, c bcyc	cyc cid cyc c bcyc bcyc bcyc	cir, rom cid, rom cid, rom cid, rom cid, rom cid, rom cid, rom	cmo c cid, c cmo, d cid, rom cid, rom cid, rom cid, rom																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
2	Shoeburyness ... Felixstowe ... Gorleston ... Mildenhall ... Cranwell ...	1014.8 1014.0 1014.0 1013.8 1013.1	+2 +6 +4 +2 -2	SWW WS SW WNW W	3 2 4 2 3	bc z bc c c	66 68 61 63 64	55 65 75 65 55	8 6 7 8 7	8 1 2 2 2	- - 3 - 4	4-6 4-6 4-6 4-6 4-6	7-8 4-6 7-8 7-8 7-8	4000 3000 2800 3500 2000	1014.1 1012.9 1013.2 1012.4 1011.3	-8 -8 -6 -10 +14	SWW WSW SE SW SW	3 3 3 3 3	c c c c c	64 66 63 64 62	75 55 85 65 65	8 8 6 8 8	5 7 5 3 7	3 - - - -	9 0 4-6 4-6 0	3 3 2500 6000 -	1 0 0 0 0	*	cm, bc cm, bc bc cm, c bcyc	bcyc bcyc bc bcyc bcyc	cir, rom c/r c/r c/r c/r	cmo c cid, c cid, rom cid, rom cid, rom																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
3	Birmingham Upper Heyford	1013.6 1014.3	+4 -2	WSW WS	2 3	c c	62 64	55 65	8 9	8 7	6 7	7-8 4-6	3 7-8	4000 2800	1011.2 1012.5	-14 -18	SSW SSW	3 3	c/r id	55 53	92 97	7 6	6 6	- 2	10 7-8	10 600	800 1	1	*	c/r cbc	c/r bcd	c/r cid	c/r cmo, c																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
4	Ross-on-Wye ...	1014.2	-4	SW	3	c	63	65	7	7	7	4-6	3	4000	1013.7	-24	SW	3	id	59	92	6	6	2	3	10	1500	1	*	c cid	cid bcd	cid cid	cid cmo, c																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
5	Hartland Point Bristol ... Portland Bill ... Plymouth ... The Lizard ... Soilly (St. Mary's) Guernsey ...	1014.6 1015.3 1016.6 1016.9 1017.0 1016.9	-6 -2 +4 +0 -4 0	WSW SSW SW W WSW W	4 3 3 3 3 4	ir s/d o c d/f c/s	59 62 59 61 59 62	97 75 85 85 97 92	7 8 7 5 1 7	6 5 5 5 5 5	- - - - - -	7-8 3 3 7-8 10 7-8	10 10 10 10 400 3	800 2800 2500 1800 400 1200	1012.2 1012.9 1014.3 1015.5 1015.6 1015.2	-12 -16 +12 -10 -8 -10	WSW SW SW W W WS	3 3 4 3 3 4	c/r d/d d/d c/r c/r c/r	60 61 60 59 59 60	92 97 85 97 97 97	3 6 3 6 3 2	- - - - - -	10 4-6 10 10 10 10	1150 600 1150 200 200 1150	1 1 1 1 1 1	4 1 3 4 3	c/r cid cid r/cir c/r c/r	c/r cid cid cid cid cid	c/r cid cid cid cid cid	c/r cid cid cid cid cid																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
6	Pembroke	1014.0	-4	SW	3	d/f	57	97	4	5	-	10	7-8	1000	1010.8	-10	WSW	3	F	59	97	1	-	-	10	10	1150	1	3	c/r cid	c/r cid	c/r cid	c/r cid																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
7	Holyhead (Valley) Chester (Sealand)	1012.0 1012.6	-12 -6	SW -	4 0	id c	61 66	85 55	7 9	5 7	2 7	2-3 7-8	10 3	800 2500	1007.7 1008.7	-30 -28	S SSE	4 3	rr rr	59 59	97 92	6 8	- 5	2 2	10 2-3	10 1500	200 1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

### EXPLANATION OF FIGURES, LETTERS AND SYMBOLS

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION  
AND SYMBOLS FOR WEATHER.

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, slight storm of drifting snow (generally low).  
k/S, heavy storm of drifting snow (generally low).  
s/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<sub>o</sub>, 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 exist-  
ing weather from preceding con-  
ditions thus:—bc/r, fair weather  
after rain; —, has decreased;  
+, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

- 0 No low clouds.
- 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.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.

Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.

An entry "4-8" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.

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

"9+" signifies an overcast sky with a few small openings.

† Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

- 0 No medium clouds.
- 1 Typical As (thin).
- 2 Typical As (thick) (sun or moon invisible), or Nimbostratus (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:    Cirrocumulus, -Ce:    Cirrostratus, -Cs:    Altopcumulus, -Ac:    Altostratus, -As:  
Stratocumulus, -Sc:    Stratus, -St:    Nimbostratus, -Ns:    Cumulus, -Cu:    Cumulonimbus, -Cb:

COLUMN 29 — STATE OF GROUND

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., but ground frozen.
2 .. " flooded.	9 .. " covered with snow greater than 6 ins. deep.
3 .. " frozen hard and dry.	10 .. Fresh snow has fallen in the mountains.
4 .. " partly covered with snow or hail.	
5 .. " covered with ice or glazed frost.	
6 .. " covered with thawing snow.	

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

- 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 Cs predominating, and a little cirrus.

(Cs may occur with any of the types 1 to 8).

NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.



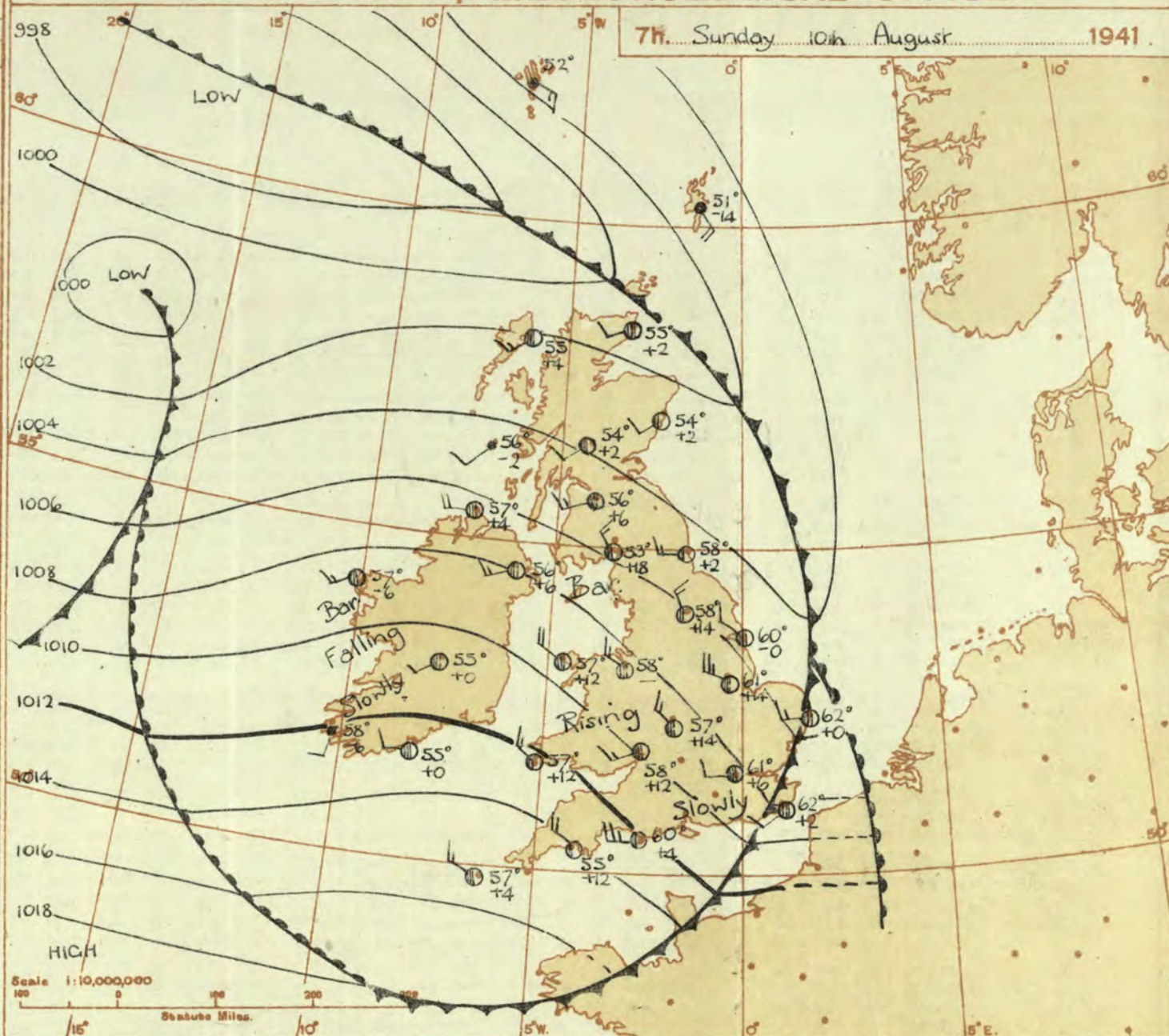
Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 9th August				15h. G.M.T.				01h. G.M.T. 10th August				07h. G.M.T.			
III	C <sub>1</sub>	wwVhN <sub>1</sub>	DDFWN	C <sub>2</sub>	wwVhN <sub>2</sub>	DDFWN	C <sub>3</sub>	wwVhN <sub>3</sub>	DDFWN	C <sub>4</sub>	wwVhN <sub>4</sub>	DDFWN	C <sub>5</sub>	wwVhN <sub>5</sub>	DDFWN
109	4	02264	12116	07	03090	12328	5-	62638	12428	5-	61638	14368			
115	52	02244	08326				52	62735	12388	52	81734	24467			
203	8-	02938	18328	5-	03838	12368	5-	61838	16528	5-	02848	16528			
206	77	02074	08326	52	62745	30168	57	62744	00068	8-	01764	22264			
210	57	02263	06427	52	62754	12268	52	22855	10268	5-	02867	26327			
220	62	64636	15328	62	58636	14368				52	22636	22468			
230	57	61843	00068	62	62647	14268	52	61647	22368	5-	22844	24364			
245	57	02265	12368	67	62634	16468	5-	00548	00068	54	00773	24363			
260	83	02866	03127	57	02864	18288	5-	02748	00028	70	00862	23413			
278	57	61645	12368	62	66627	0368	5-	02857	53467	5-	02857	24357			
279	87	02858	21388	62	62646	00268				83	02755	22326			
285	23	02854	22327												
288	8-	05654	08127	57	02874	24128	52	22447	00068	8-	02746	22166			
575	5-	51738	10268				53	21745	28457	87	25744	26387			
304	7	02952	22216	52	52535	14368	62	62526	23468	5-	05633	26467			
321	8-	05656	28116	07	05690	18428	6-	08433	16228	80	01752	25312			
299	74	05654	00015	5-	25648	17388	5-	67348	22368	5-	05648	00068			
292	77	02964	18126	02	22868	00068	62	22436	15168	83	25964	24165			
310															
614	26	01754	26325	62	81645	22228	52	61437	24428	50	01775	26415			
333	62	51731	18328	5-	62618	18368	5-	02747	57467	5-	02877	28417			
334	--	03746	29317												
340	26	02954	16225	02	62628	16358	5-	02857	22267	5-	02044	24267			
186	16	01754	26214	13	02651	17216	5-	52528	18368	5-	02847	57457			
336	52	02763	16429	62	04653	16468									
350							61	05636	22468	87	02845	24326			
368	51	02746	22329	02	64628	23468									
879	13	01853	22214	6-	57308	20468	5-	05628	20468	20	01843	25413			
390	14	01764	25315	52	02765	20218	62	52437	20468	54	01844	58558			
383	13	01863	20325	52	52646	19358	62	51636	23458	77	02855	24415			
435	56	02864	26516							51	02754	26546			
430	57	02863	22419	57	02843	20327	52	22636	55468	53	01243	24313			
400	51	51625	21368	5-	45208	22558	5-	41508	57558	54	05622	25425			

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7th Sunday 10th August 1941.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 10th August 1941.

1 S.E. England	Moderate west wind, backing south; fair at first, rain spreading from west later; average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Moderate S.W. wind, veering west; cloudy; occasional rain; local coast fog; average temperature.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Moderate S.W. wind; bright intervals; showers; cool.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	Moderate S.W. wind; bright intervals; showers; cool.
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	Moderate S.W. wind, veering west; rain at first; bright intervals and showers later; cool.
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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.

GENERAL INFERENCE.

A depression to southeast of Iceland is almost stationary, and there are indications of a small depression west of Ireland moving east. There will be bright intervals and showers in the North. In the South and Midlands weather will be fair at first but rain will spread from the west later.

FURTHER OUTLOOK.

Unsettled.

Forecasts issued at 1030h G.M.T.  
H.M.S.O. Press, Meteorological Office Dunstable.

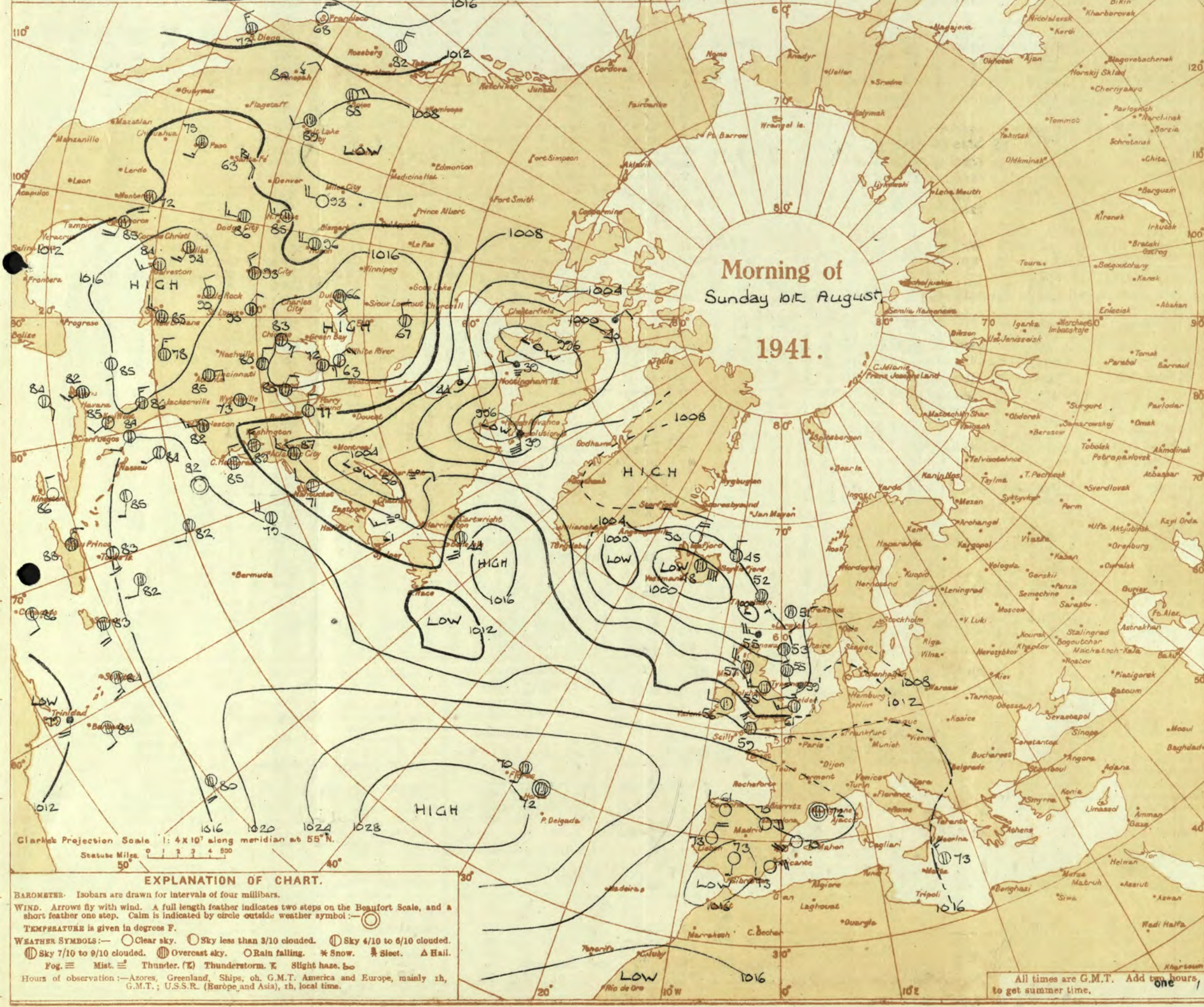
N. K. JOHNSON, D.Sc., A.R.C.S.,  
Director.

4269/4120. Pp. 8/76. D. 6034. Op. 940. 3300. 3/41



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

**Explanation of Frontal Lines shown on Charts**  
 (The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.  
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion.  
**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.



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



AIR  
MINISTRY.THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.BRITISH SECTION  
Sunday 10th August, 1941.  
No. 29116.

OBSERVATIONS at 1 hr. G.M.T. 10th August														OBSERVATIONS at 7 hr. G.M.T. 10th August														PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun-shine 3th Hrs.			
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.			Force.	Form.					Amount.	Height of Base (feet).	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.			Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.						
																																0-12	0-12		0-12	0-12	0-12
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1009.5	+0	W	3	C	62	85	8	5	-	1	7.8	1500	1	*	65	59	58	Tr	6	6.3			
	Croydon	217	1009.0	-26	WSW	3	c/r	61	97	8	6	2	-	9	1009.3	+6	W	2	C	61	92	8	5	-	1	9	700	1	*	68	58	58	-	7	6.6		
	S. Farnborough	226	1009.4	-18	WSW	4	c/r	61	97	6	6	2	-	9	1009.7	+6	W	4	C	60	85	9	1	-	1	9	2000	1	*	68	59	56	-	5	3.3		
	Boscombe Down	417	1010.4	-14	WSW	4	C	60	97	6	6	-	-	10	1011.4	+0	WNW	4	C	59	85	8	5	7	-	7.8	3500	1	*	64	57	53	Tr	5	0.2		
	Thorney Island	10	1010.7	-22	W	3	ir.	61	97	6	6	-	-	10	1011.0	+0	WN	4	C	61	85	7	5	4	-	7.8	800	1	*	67	59	57	-	10	9.3		
	Lymington	346	1011.3	-30	SW	2	rr.	60	97	6	6	-	-	10	1011.1	+2	SW	2	C	62	97	8	5	-	1	9	500	1	*	67	58	58	-	11	9.4		
	Manston	154	1008.8	-38	SWW	3	rr.	60	97	5	6	-	-	10	1008.0	+6	WS	3	C	62	97	8	5	-	1	10	600	1	*	67	58	57	-	11	9.4		
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1008.7	+2	NW	3	C	63	85	7	5	7	-	9	9	1500	1	*	70	59	59	-	10	7.9		
	Felixstowe	15	1007.3	-38	SWW	4	d.d.	61	97	6	5	-	-	10	1006.8	+6	WN	4	id.	62	97	7	5	-	9	9	1000	1	2	69	59	59	-	12	7.0		
	Corleston	5	1007.6	-34	SW	4	rr.	60	97	6	6	-	-	10	1005.3	0	W	3	C	62	97	7	6	8	-	7.8	10	1300	1	3	65	58	55	Tr	9	4.3	
	Mildenhall	19	1006.4	-32	SW3	3	C	60	97	7	5	2	-	9	1006.6	+0	WN	5	C	61	92	8	8	-	9	10	1000	1	*	68	58	57	-	10	4.3		
	Cranwell	240	1005.9	-26	SWW	4	C/r	61	97	8	5	2	-	7.8	1006.8	+14	WNW	5	C	61	85	7	8	3	-	4.6	9	2000	1	*	66	57	57	-	7	8.1	
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1009.5	+4	NW	3	C	57	92	8	6	7	-	9	9	1500	1	*	64	55	55	0.3	7	2.8		
	Upper Heyford	408	1008.8	-10	SWW	4	C/d	61	97	6	6	1	-	9	1003.7	+12	WN	3	C	60	85	8	8	-	1	9	1800	1	*	67	58	55	0.1	6	0.3		
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1010.8	+12	WS	3	C	58	75	8	5	-	1	9	9	4000	1	*	63	57	55	0.4	5	0.3		
5	Hartland Point	299	1011.7	+0	W	4	o	59	97	5	5	-	-	10	1013.2	+0	WNW	3	bc	58	92	8	2	4	1	2.3	4.6	2500	1	4	60	56	55	2	4	0.0	
	Bristol	209	1010.1	-6	SW	4	ir.	61	97	6	6	2	-	7.8	1012.6	+8	WNW	4	bc	59	85	8	5	4	-	Tr	1	3000	1	*	65	57	53	0.2	8	0.3	
	Portland Bill	32	1011.4	-10	SW	5	ir.	59	92	7	5	-	-	10	1012.1	+4	W	5	bc	60	85	8	2	-	-	4.6	4.6	4000	1	4	62	57	56	1	1	0.0	
	Plymouth	82	1013.5	-6	W	3	C	60	97	7	5	-	-	9	1015.0	+12	WNW	3	bc	59	85	8	5	-	4	2.3	2.3	1500	1	3	62	57	56	0.1	0.5	0.0	
	The Lizard	240	1014.6	0	WNW	5	C	57	97	6	5	-	-	10	1015.9	+8	WNW	3	C	56	97	7	8	6	-	7.8	7.8	2000	1	4	61	54	54	0.1	0.5	0.0	
	Scilly (St. Mary's)	163	1014.7	+2	WNW	5	C	59	97	6	5	2	-	7.8	1015.6	+4	WNW	3	C	57	97	8	8	4	-	4.6	9	1200	1	3	64	54	54	-	0.2	0.0	
	Guernsey	175																																			
6	Pembroke	142	1010.7	+4	W	6	bc	58	92	7	4	5	-	2.3	1013.1	+12	NW	3	bc	57	92	7	3	7	8	4.6	4.6	3000	1	3	61	56	56	6	0.3	0.0	
7	Holyhead (Valley)	26	1007.5	+6	W	4	C	58	97	8	5	-	-	9	1009.8	+12	WNW	4	C	57	92	8	5	-	1	9	3	3500	1	2	62	54	52	6	3	0.3	
	Chester (Sealand)	16	1006.7	-2	WNW	3	d.d.	61	92	5	5	2	-	7.8	1009.8	+8	WNW	3	C	58	97	7	3	7	-	7.8	10	1000	1	*	67	58	56	6	2.4	0.3	
8	Manchester	70	1005.8	-10	WS	3	rr.	61	97	5	6	2	-	9	1008.3	+8	WS	4	C/r	57	92	7	5	-	1	9	800	1	*	67	56	55	1	7	5.5		
10	Spurn Head	29	1005.6	-28	SSW	3	rr	59	97	5	8	-	-	10	1004.4	0	WNW	2	o	60	92	5	-	2	-	10	10	1500	1	2	64	57	55	-	6	7.7	
	Catterick	175	1004.9	-18	SSW	1	m	57	92	4	5	-	-	10	1006.1	+14	NNW	3	bc	58	85	7	8	3	1	2.3	4.6	2800	1	*	65	57	55	0.1	9	4.6	
	Tynemouth	108	1005.7	-24	SE	3	C/r	55	97	6	-	2	-	10	1005.2	+2	W	3	bc	58	85	7	2	3	-	2.3	4.6	3000	1	2	59	55	54	Tr	6	0.3	
11	St. Abbs Head	280	1004.4	-18	SW	3	C	53	92	7	5	2	-	7.8	1004.1	0	NW	3	bc	56	85	9	4	4	-	4.6	4.6	2500	0	2	60	52	50	1	-	0.3	
	Leuchars	36	1003.5	-14	WSW	2	C	54	97	8	5	-	-	10	1003.7	+0	SW	2	bc	56	92	8	5	4	-	Tr	Tr	900	1	*	57	51	50	2	0.1	0.3	
12	Renfrew (Abbots L.)	19	1004.3	-10	WNW	1	m/f	55	97	4	5	-	-	9	1005.8	+6	WSW	3	C	56	85	7	8	3	6	4.6	7.8	1800	1	*	61	53	49	1	2	2.0	
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1006.1	+18	NW	3	bc	53	85	8	8	-	1	2.3	2.3	1500	1	*	58	50	48	0.3	1	0.1		
	Point of Ayre	30	1005.2	0	WNW	4	C	57	97	7	6	2	-	4.6	1007.5	+6	WN	5	C	57	97	8	2	7	5	Tr	9	1500	1	3	61	55	55	2	10	1.3	
13A	Tiree	22	1004.4	+8	WNW	3	bc	54	85	8	5	3	-	9	1004.9	-2	SW	2	ir	56	97	7	-	2	-	10	10	1500	1	3	56	51	51	2	4	0.0	
13B	Stornoway	80	1001.3	-10	W	5	rr	55	97	6	5	2	-	9	1002.3	+4	SW	3	C	55	92	8	5	7	-	7.8	9	2000	1	2	58	52	52	1	2	0.4	
15	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	1003.8	+2	SW	2	C	54	75	8	5	4	-	4.6	7.8	1500	1	*	57	48	46	3	0.6	10.4		
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	1002.9	+2	SW	2	bc	54	97	8	7	-	-	4.6	4.6	4500	1	2	56	51	49	Tr	1	2.3		
	Wick	119	1002.7	-22	SE	4	rr.	52	92	6	5	-	-	10	1001.5	+2	NSW	2	C	55	92	8	5	-	-	9	9	1200	1	*	55	49	43	*	*	*	
16	Sumburgh	30	1006.1	-14	SE	2	C	51	85	9	5	7	-	4.6	1003.2	-14	SE	4	rr.	51	92	7	5	2	-	9	10	1000	*	*	56	49	43	*	*	*	
17	Blackhead Point	18	1010.1	+4	W	4	C	57	97	7	5	-	-	9	1009.1	-6	WSW	3	C	57	97	7	5	-	-	9	9	2500	0	3	60	54	54	4	1	0.0	
18	Malin Head	84	1006.2	+8	WNW	5	C	57	92	7	8	-	-	7.8	1006.8	+4	W	4	C	57	92	7															



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

# SECRET

Monday 11th August 1941.  
No. 29117.

OBSERVATIONS at 13h. G.M.T. 10th August														OBSERVATIONS at 18h. G.M.T. 10th August														PAST 24 HOURS.							
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at Sea Level. mb. (1)	Change in 2 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	°F. at Height. (7)	Visibility. 0-9 (8)	Cloud.					Barom. at Sea Level. mb. (15)	Change in 2 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	°F. at Height. (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.					
				Direc. (3)	Force. 0-12 (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Form. (23)	Amount. (24)			Height of Base. (feet) (25)	7h.—18h. 10th. (37)					13h.—18h. 10th. (38)	18h.—11th 11th (39)	1h.—7h. 11th (40)										
																										Low. (12)	Med. (13)			High. (14)	Low. (26)	Med. (27)	High. (28)		
1	London (Kew) ...	1012.1	+12	W N	3	C	67	55	8	8	-	2	9	1500	1012.1	-6	WSW	3	C	66	55	7	8	2	-	7-8	10	1500	1	*	bccy	cy	cir	incir	
	Croydon ...	1011.5	+10	WNW	3	C	69	55	8	4	-	2	9	3000	1012.3	+2	WNW	3	C	64	75	8	6	2	-	2-10	2000	1	*	cbccy	cy	cir	incir		
	S. Farnborough	1012.4	+10	W	4	C	68	55	8	1	-	5	4-6	7-8	3000	1012.4	-2	SW	3	C	63	85	8	6	2	-	4-6	7-8	800	1	*	bvbcy	bcy	cir	incir
	Boscombe Down	1013.0	+2	W	4	C	67	55	8	1	7	-	4-6	7-8	2000	1013.1	+2	SW	3	C	60	92	6	6	2	-	7-8	10	800	1	*	c	cy	cir	incir
	Thorney Island	1013.0	+10	WNW	4	C	68	65	8	1	6	8	2-3	7-8	4000	1013.4	-2	SWW	3	C	61	85	7	5	7	-	4-6	10	4000	1	*	cbc	bcir	cir	incir
	Lymington	1012.3	+12	WNW	4	C	68	65	8	2	6	5	4-6	7-8	1800	1013.3	+4	WSW	3	C	62	75	8	7	7	-	2	9	6000	0	*	c	cir	incir	
	Manston	1011.2	+16	WNW	4	C	68	65	7	8	6	2	4-6	7-8	3500	1012.3	0	-	0	C	66	65	8	4	7	-	4-6	2-10	3000	1	*	cbccbc	cbcc	cir	incir
2	Shoeburyness ...	1011.3	+6	WNW	3	C	68	65	7	8	7	-	4-6	7-8	2500	1012.1	-2	WSW	2	C	67	65	8	5	-	2	9	2500	1	*	c	c	cir	incir	
	Felixstowe ...	1009.4	+14	NW	5	C	69	65	8	8	3	8	2-3	7-8	2500	1010.7	+2	W	3	C	67	65	8	5	6	2-3	9	2500	1	3	bc	bcc	cir	incir	
	Gorleston ...	1009.0	+13	NW	1	C	62	85	7	6	-	-	10	10	2000	1011.3	+4	W N	1	C	64	65	7	5	7	-	10	10	2000	1	3	oprc	c	cir	incir
	Mildenhall ...	1010.0	+14	W N	5	C	65	65	8	8	-	2	7-8	9	3000	1010.8	+2	W	2	C	64	75	8	5	7	-	7-8	2-10	2500	0	*	cbccgc	cide	cir	incir
	Cranwell ...	1009.7	+14	W N	4	C/pr	62	75	7	8	7	-	7-8	10	2000	1010.7	0	WSW	3	C	58	85	6	5	2	-	7-8	10	2000	1	*	c	cir	incir	
3	Birmingham	1011.2	+4	WNW	3	C	63	55	8	5	-	8	4-6	2-10	2500	1010.8	-2	W	2	C	57	85	6	6	2	-	2	10	2500	1	*	cbcc	cor	pr	oc
	Upper Heyford	1011.7	+10	W S	4	C	65	65	8	7	6	7	7-8	9	2500	1011.6	+2	SW	2	C	61	75	7	5	2	-	2-3	10	4000	1	*	c	cir	cir	incir
4	Ross-on-Wye ...	1011.7	-4	W S	4	C	67	55	9	7	9	7	2-3	2-10	4000	1010.2	-4	SW	2	C	58	92	8	-	2	-	10	10	-	1	*	c	cor	cir	incir
5	Hartland Point	1013.5	-6	WSW	4	C	60	85	8	2	7	-	4-6	7-8	1500	1009.7	-30	WSW	4	C	59	97	6	6	2	-	7-8	10	800	1	4	bcc	crrc	oc	cir
	Bristol ...	1013.4	+6	W	4	C	65	65	8	1	3	9	2-3	7-8	3200	1011.4	-10	SSW	1	C	59	92	7	6	2	-	4-6	10	1200	1	4	bccbc	crrc	cir	cir
	Portland Bill	1014.3	+4	WSW	4	C	60	85	8	-	-	-	7-8	9	4000	1013.6	-8	SW	4	C	59	92	7	5	-	-	10	10	2500	1	4	bcc	crrc	cir	cir
	Plymouth	1015.3	-2	WSW	4	C	60	85	8	1	3	-	4-6	9	3000	1012.9	-18	WSW	4	C	59	97	6	6	2	-	10	10	2500	1	4	bcc	crrc	cir	cir
	The Lizard	1015.8	0	SW	3	C	62	85	8	5	2	-	2	10	1500	1012.8	-10	WSW	6	C	60	97	3	5	-	-	10	10	200	1	4	co	crrc	cir	cir
	Seilly (St. Mary's)	1014.6	-10	SW	3	C	61	92	7	5	-	-	10	10	1200	1011.3	-16	WSW	8	C	60	97	4	5	-	-	10	10	800	1	4	cbcc	crrc	cir	cir
	Guernsey	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
6	Pembroke ...	1013.2	+2	SW	3	C	60	92	7	2	3	-	2-3	10	3500	1009.9	-14	SE	3	C	57	97	2	-	2	-	10	10	300	1	3	c	crrc	drc	cir
7	Holyhead (Valley)	1010.4	0	SW	5	C	60	85	9	7	-	-	10	10	7000	1008.1	-20	SSW	5	C	57	97	7	5	2	-	4-6	10	600	1	3	c	crrc	drc	cir
	Chester (Sealand)	1010.5	+16	NW	3	C	61	65	9	5	-	-	10	10	1500	1009.2	-10	SE	2	C	58	85	8	5	4	-	4-6	10	1500	1	*	cav	crrc	cw	cir
8	Manchester ...	1010.5	+10	W	3	C	60	85	8	5	-	-	7-8	10	900	1009.9	-6	SW	3	C/pr	59	75	7	8	7	-	2-3	10	2000	0	*	cir	crrc	cm	cir
10	Spurn Head	1007.9	+10	WNW	4	C	66	75	7	8	6	-	4-6	7-8	2500	1009.0	+2	W	4	C	62	75	6	5	-	-	10	10	2500	0	3	c	o	c	om
	Catterick	1008.0	+6	WNW	3	C	65	65	9	8	7	8	9	2-10	2500	1008.4	0	W S	3	C	60	75	8	5	1	-	4-6	10	5000	0	*	bcc	cyc	cir	om
	Tynemouth	1006.7	+4	W	4	C	64	65	8	8	-	-	7-8	7-8	3000	1006.7	-6	W	3	C	62	65	7	8	-	-	2-10	3000	1	2	bcc	c	c	cir	
11	St. Abbs Head	1005.7	+8	W	3	C	62	75	9	8	3	-	4-6	9	2500	1005.2	-4	W	3	C	62	75	8	2	3	5	-	7-8	3000	0	2	bcc	c	cir	drc
	Leuchars	1004.7	0	WSW	6	C	67	65	9	8	3	-	7-8	9	3500	1003.8	-10	WNW	5	C	64	55	7	8	3	-	4-6	4-6	3500	1	*	bccc	crrc	crrc	cir
12	Reafrew (Abbots L.)	1006.6	+4	W	4	C	62	65	8	8	7	-	7-8	2-10	1800	1005.3	-8	SW	3	C	58	85	7	5	2	-	9	10	1500	0	*	crrc	cbcc	crrc	cir
	Eskaidsmuir	1006.7	+6	W	4	C	59	75	8	8	-	-	2-10	2-10	1500	1006.2	-6	SW	4	C/pr	57	85	7	8	7	-	7-8	2-10	1500	0	*	bccir	crrc	cir	cir
	Point of Ayre	1008.6	0	W S	4	C	61	85	8	4	4	8	2-3	2-10	4000	1007.1	-18	SW	4	C	59	85	8	5	7	-	Tr	10	1500	0	3	c	crrc	cir	cir
13A	Tiree ...	1005.3	+2	SW	5	C	59	85	7	5	3	-	4-6	7-8	2100	1002.1	-12	S E	4	C	55	97	7	-	2	-	2-10	2-10	1200	1	5	c	cor	cir	cir
13B	Stornoway	1002.9	+4	WSW	4	C/pr	59	92	8	8	7	-	7-8	10	1300	1002.1	-8	S	4	C	57	92	8	5	7	-	7-8	10	2000	1	2	cpr	c	cpr	cir
15	Dalwhinnie	1004.8	+2	SW	3	C	58	75	8	5	3	-	7-8	2-10	2500	1004.0	-2	SW	3	C	59	65	8	8	3	-	4-6	4-6	2500	1	*	cpr	cpr	cpr	cpr
	Aberdeen	1003.7	-2	SSE	3	C	65	55	8	8	-	6	7-8	7-8	2500	1003.5	0	W S	1	C	60	92	6	9	-	-	2-10	2-10	1800	1	2	bccy	crrc	cpr	cpr
	Wick	1002.3	+2	SSW	3	C/pr	59	92	7	3	-	-	7-8	10	1600	1002.9	-2	SE	2	C/pr	55	97	9	8	7	-	4-6	2-10	4000	1	*	pr	pr	cpr	c
16	Sumburgh	1001.6	-8	SSW	3	C/d	54	97	8	5	7	-	9	10	600	1002.1	+4	SSW	3	C/d	54	97	4	5	-	-	10	10	300	*	*	d	d	c	c
17	Blackod Point	1006.1	-16	SW	5	C	60	65	7	5	-	-	10	10	1500	1003.3	-18	SSW	4	C	58	92	7	5	-	-	2	2	1500	1	4	c	c	cir	inc
	Malin Head	1006.2	-6	W	4	C/pr	59	85	8	9	-	-	9	9	2500	1002.7	-22	S	4	C/pr	57	97	7	9	-	-	7-8	7-8	1500	0	2	incpr	cpr	cir	incpr
	Aldergrove	1008.5	-2	SW	3	C/pr	60	85	7	5	7	-	7-8	10	1800	1005.5	-22	S	3	C	56	97	6	6	2	-	2-10	10	900	1	*	incpr	incpr	incpr	incpr
19	Birr Castle	1009.5	-10	SW	1	C	60	85	8	8	1	-	7-8	10	1500	1007.1	-6	WSW	1	C	60	85	8	8	1	-	7-8	10	2500	1	*	c	c	cpr	cpr
20	Valentia Obey	1010.3	-12	SSW	2	Dr	57	97	5	5	-	-	10	10	800	1007.9	-16	SW	2	C	60	92	8	5	3	-	2	2	1500	1	3	cir	inc	bccr	bccr
	Roche Point	1011.1	-12	SW	2	Dr	57	97	8	6	2	-	7-8	2-10	1500	1008.0	-18	SSW	2	C	57	97	8	5	-	-	2	2	800	1	3	inc	inc	cpr	bccr

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40.—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.	COLUMNS 9, 23.—FORM OF LOW CLOUD.	COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.	COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.
<p>b, blue sky (not more than a quarter covered with cloud).</p> <p>bc, sky partly cloudy (one half covered). c, generally cloudy.</p> <p>d, drizzle. s, wet air. g, gloom.</p> <p>f, fog, visibility 220-1100 yds.</p> <p>F, thick fog „ less than 220 yds.</p> <p>fa, low fog over sea (coast station).</p> <p>fg, low fog over land (inland station).</p> <p>m, mist, visibility 1100-2200 yds.</p> <p>h, hail. i, intermittent.</p> <p>jf, fog at a distance, but not at station.</p> <p>jp, precipitation within sight of station.</p> <p>ks, storm of drifting snow.</p> <p>k/s, slight storm of drifting snow (generally low).</p> <p>k/S, heavy storm of drifting snow (generally low).</p> <p>s/k, slight storm of drifting snow (generally high).</p> <p>S/k, heavy storm of drifting snow (generally high).</p> <p>KQ, line squall. l, lightning.</p> <p>o, overcast sky. p, passing showers.</p> <p>q, squalls. r, rain. s, snow.</p> <p>rs, sleet. t, thunder.</p> <p>u, ngly, threatening sky.</p> <p>v, unusual visibility. w, dew.</p> <p>x, hoar frost. y, dry air.</p> <p>z, dust haze: the turbid atmosphere of dry weather.</p> <p>h(r), "hail" or "rain and hail."</p> <p>Capital letters indicate intensities; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r<sub>o</sub>, slight rain.</p> <p>rr, continuous rain.</p> <p>&lt;, less than (for cloud height). gais.</p> <p>⊕ Solar halo. ⊙ lunar halo. ✧ Aurora.</p> <p>With present weather is combined, whenever possible, the general character of the weather.</p> <p>A "solidus" divides actual existing weather from preceding conditions thus: —bc/r, fair weather after rain; —, has decreased; +, has increased.</p>	<p>0 No low clouds.</p> <p>1 Fair weather Cu.</p> <p>2 Large Cu without anvil.</p> <p>3 Cb.</p> <p>4 So formed by the spreading out of Cu.</p> <p>5 Layer of St or Sc.</p> <p>6 Ragged low clouds of bad weather (or fractonimbus).</p> <p>7 Fair weather Cu and So.</p> <p>8 Large-Cu (or Cb) and So.</p> <p>9 Large-Cu (or Cb) and ragged low clouds of bad weather.</p>	<p>0 No medium clouds.</p> <p>1 Typical As (thin).</p> <p>2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).</p> <p>3 Single layer of Ac or high So.</p> <p>4 Ac in isolated patches. Individually decreasing (often lenticular).</p> <p>5 Ao in bands (increasing).</p> <p>6 Ac formed from the spreading out of Cu.</p> <p>7 Ac associated with As or As with parts resembling Ac.</p> <p>8 Ac Castellatus (or Ac in ragged fragments).</p> <p>9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.</p>	<p>0 No cirriform cloud.</p> <p>1 Fine Ci not increasing: sparse.</p> <p>2 Fine Ci not increasing: abundant but not a continuous layer.</p> <p>3 Anvil Ci (usually dense).</p> <p>4 Fine Ci increasing: usually in tufts.</p> <p>5 Ci or Cs increasing: still below 45° altitude: often in polar bands.</p> <p>6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.</p> <p>7 Veil of Cs covering whole sky.</p> <p>8 Cs not increasing and not covering whole sky.</p> <p>9 Cs predominating, and a little cirrus. (Cs may occur with any of the types 1 to 8).</p>
	<p>COLUMNS 12, 13, 26, 27.</p> <p>Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.</p> <p>Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.</p> <p>An entry "4-6" means that the cloud amount may be 4, 5 or 6: similarly for other grouped entries.</p> <p>"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.</p> <p>"9+" signifies an overcast sky with a few small openings.</p> <p>† Sea disturbance reported from Dungeness.</p>	<p>Cloud form abbreviations:—</p> <p>Cirrus,—Ci: Cirrocumulus,—Cc: Cirrostratus,—Cs: Altcumulus,—Ac: Altostratus,—As: Stratocumulus,—Sc: Stratus,—St: Nimbostratus,—Ns: Cumulus,—Cu: Cumulonimbus,—Cb.</p>	
		<p>COLUMN 29.—STATE OF GROUND.</p>	
		<p>0 „ Ground dry.</p> <p>1 „ „ wet.</p> <p>2 „ „ flooded.</p> <p>3 „ „ frozen hard and dry.</p> <p>4 „ „ partly covered with snow or hail.</p> <p>5 „ „ covered with ice or glazed frost.</p> <p>6 „ „ covered with thawing snow.</p>	<p>7 „ Ground covered with snow, less than 6 ins., deep but ground not frozen.</p> <p>8 „ „ covered with snow, less than 6 ins., but ground frozen.</p> <p>9 „ „ covered with snow greater than 6 ins. deep.</p> <p>— „ Fresh snow has fallen in the mountains.</p>

NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.



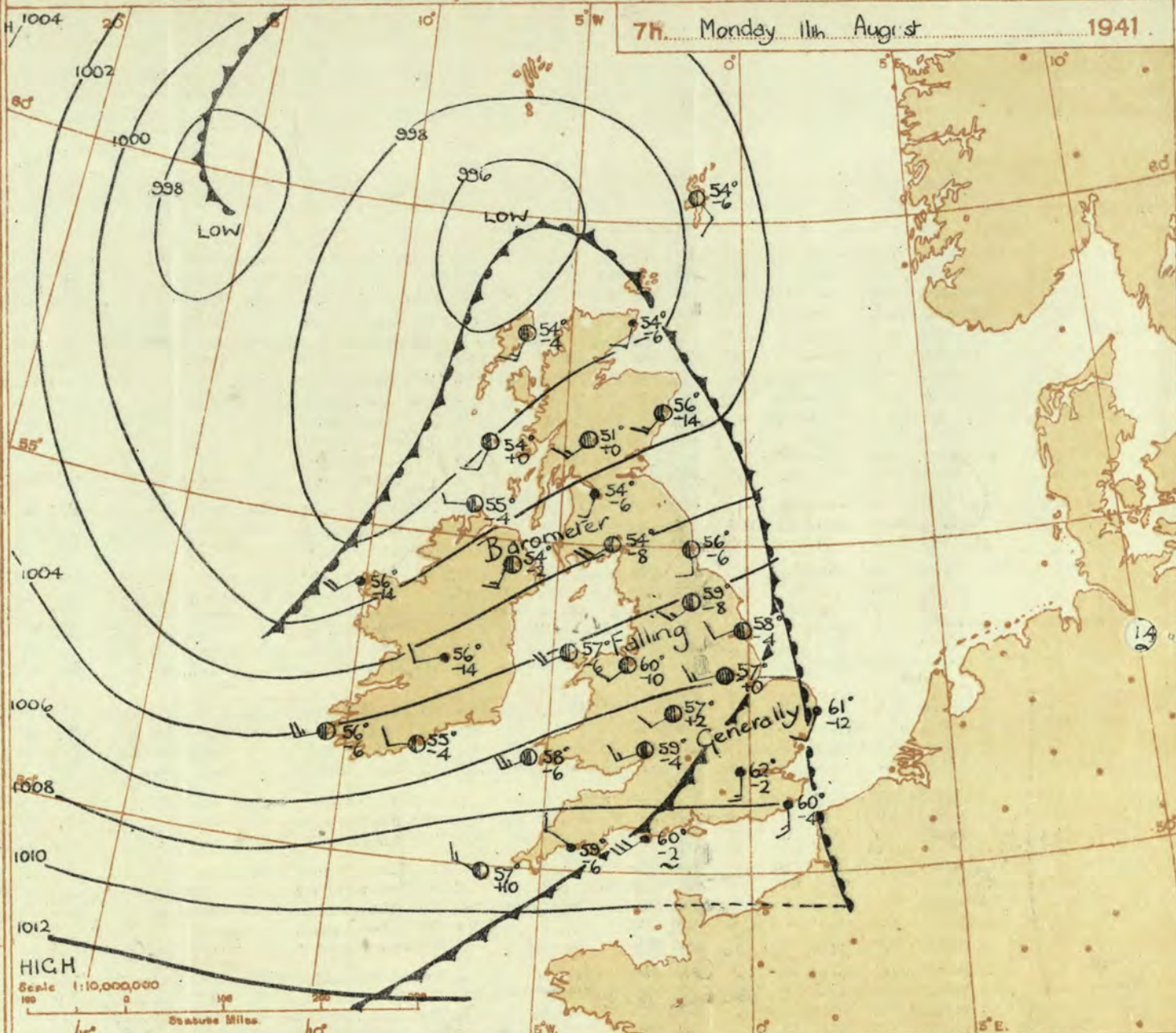
Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T.				10th August				18h. G.M.T.				01h. G.M.T.				11th August				07h. G.M.T.			
III, C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N	III, C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N	III, C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N	III, C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N	III, C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N	C, M, W, V, N, D, F, W, N				
1098-	02555	22525	52	51845	22328	07	02700	18126	57	03627	14328												
1152	81735	20488	52	49834	20487	52	62744	12387	52	81744	16287												
2035-	03838	20568	8-	02838	15428	8-	02938	16528	8-	81848	16588												
2087	81964	24327	87	02964	24185	57	22965	00068	87	02964	16165												
21083	02965	22427	83	81054	24287	5-	22857	00167	52	22864	00067												
22057	02743	23316	82	03736	15328				53	61844	22315												
23083	25846	53487	52	64756	19288	62	65646	18168	80	22844	20365												
2484	02964	22426	86	25054	22384	02	62668	16268	54	61635	20466												
2608-	02757	20328	83	02865	20417	5-	22765	16366	5-	63844	20268												
2787	02843	22326	57	61865	18368	5-	22777	18367	87	02842	18265												
27983	02754	22427	87	02743	20527	--	51636	16466	8-	05623	53466												
285									23	25745	27486												
2888-	02967	24317	51	02575	22328	51	02765	19228	34	10653	18224												
5767	02745	20228	6-	64538	20268	53	02745	22267	62	61735	22168												
80183	02844	24427	12	02844	22428	62	02656	13127	9-	22646	22468												
827-	02754	24416	52	62651	20368	57	21665	16358	53	05655	17315												
29087	02745	26286	82	02745	20228	5-	05656	20226	5-	05548	20258												
29283	02965	25487	51	02264	22227	83	05665	14127	53	05653	21314												
310									--	57109	20419												
61482	03735	24388	62	64634	24168	02	51448	18158	62	51437	22358												
83823	02852	20327	52	22855	18168				54	22637	20467												
834									--	03646	20328												
8408-	25957	20387	52	22864	20268	5-	51548	16158	53	01853	18354												
13686	01654	24515				07	61600	20368	6-	21618	19369												
336									51	02763	16328												
3507-	02967	26327	82	81764	20228	5-	02748	17328	57	22736	20368												
36817	01952	21414	02	62848	23168																		
87927	02855	24416	02	64668	22468	02	52428	19358	5-	02748	20368												
8908-	02854	50527	47	02764	22228	02	51737	18368	62	61636	22368												
88219	02864	25426				62	51627	18328	57	22753	00068												
43876	02754	26515																					
430			52	62752	22468	62	98638	53468	62	54506	20368												
40983	02843	22327	5-	62418	21468	5-	57208	22568	5-	43208	22368												

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday 11th August 1941.



DISTRICTS.

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

1 S.E. England	Light or moderate southwest wind. Cloudy at first with rain in the extreme Southeast. Bright intervals and local thundery showers later; cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Moderate southwest wind veering west. Bright intervals; showers and local thunderstorms; cool.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	Variable winds, finally west to northwest moderate. Cloudy; occasional rain and local thunderstorms; cool.
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Moderate southwest to west winds. Bright intervals, showers, local thunderstorms; cool.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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  
 = Cold Front on the surface  
 = Cold Front above the ground  
 = Occluded Front (or Occl)  
 = 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.

GENERAL INFERENCE.

A complex depression over and to northwest of Scotland is moving slowly northeast and associated troughs are crossing the British Isles. There will be rain in the extreme Southeast at first, followed by fairer conditions. Elsewhere in the South there will be bright intervals and showers. In the North and Midlands there will be bright intervals and thundery showers.

FURTHER OUTLOOK.

Unsettled; bright intervals: thundery showers.

Forecasts issued at 1030 G.M.T.

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

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

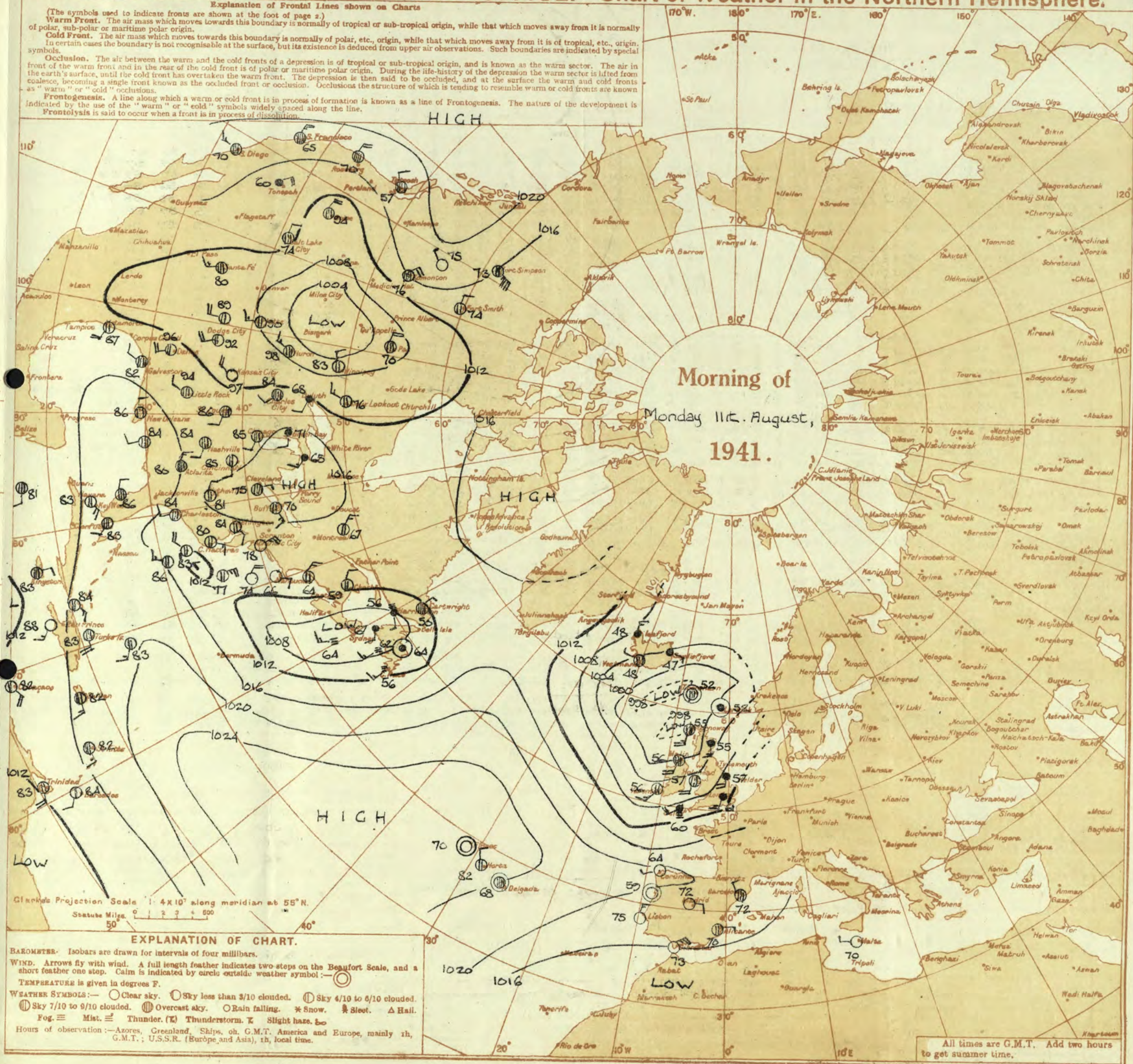
6.269/4120. Rev. 9/76. D. 6034. 6p. 340. 3300. 8/41



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.  
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 11th August															OBSERVATIONS at 7 hr. G.M.T. 11th August															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					State of Ground.	Sea.	TEMPERATURE.					RAINFALL.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
					Dir.	Force.					Form.	Amount.	Height of Base (feet).	Dir.	Force.			Form.	Amount.					Height of Base (feet).	Form.	Amount.	Height of Base (feet).	Max. Day 7h-13h °F.			Min. Night 13h-7h °F.	Min. on Grass °F.	Day 7h-13h mm.	Night 13h-7h mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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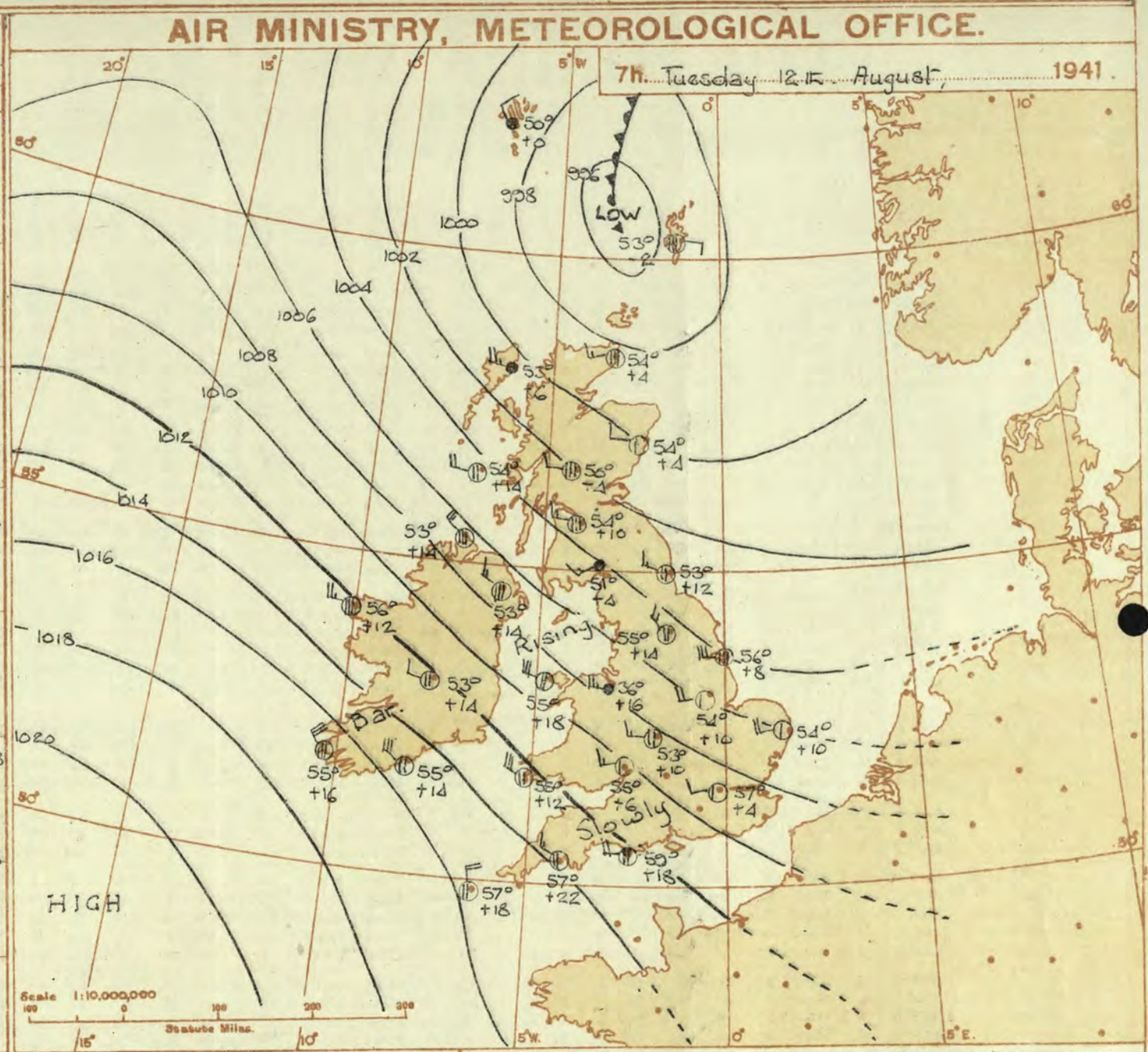
### EXPLANATION OF FIGURES, LETTERS AND SYMBOLS

NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2



Abridged observations of additional stations in the AVIATION WEATHER CODE															
13h. G.M.T. 11th August 1941								01h. G.M.T. 12th August 1941							
III	C <sub>u</sub>	ww	Vh	DDFWN	C <sub>u</sub>	ww	Vh	DDFWN	C <sub>u</sub>	ww	Vh	DDFWN	C <sub>u</sub>	ww	Vh
109	87	10745	25266	87	02853	11285	53	02763	16224	87	02864	23224			
115	52	02944	20386	52	81734	20487	54	81834	24486	52	81834	26487			
203	8-	81847	20417	8-	64846	16466				5-	02838	20428			
206	87	81964	18386	87	02864	24385	87	02865	24426	88	02866	24427			
210	86	25954	23385	84	25065	22285	8-	81966	22327	84	02964	20324			
220	83	02845	22316	83	01844	27305				81	81746	27488			
230	86	02954	20386	86	01854	20384	8-	02847	2117	83	25843	58485			
245	26	01964	16425	86	01864	18315	54	02872	26215	84	00352	24313			
280	84	01864	22485	8-	81755	20387	54	01754	24284	74	01774	22414			
278	87	25744	20387	87	81746	28487	8-	02876	24326	53	25853	58484			
279	23	01853	22414	27	01854	18484	--	02757	18287	53	02745	23226			
285	23	02855	24566	24	81745	24587				23	01633	26684			
288	8-	02856	18386	83	02864	20325	8-	02757	18287	84	02853	25285			
575				83	01854	28314	5-	81748	28488	5-	02857	26427			
801	83	02854	22326	2-	02855	22425				87	81745	58526			
321	8-	25757	30487	87	02754	55314	43	01761	24384	53	05663	23314			
289				57	05654	00015	57	05644	20315	5-	02747	24327			
292	83	25844	22237	87	02854	22325	53	05655	23287	84	01851	25264			
310				--	01646	20416				--	67100	24340			
614	94	10855	24485				50	05655	55415	43	01764	24314			
333	23	01844	20614	83	02855	22586	24	01851	24413	53	02743	26515			
334	--	61647	24388	--	82646	23488				--	02644	20315			
340				86	01854	22584	53	01863	22324	86	81954	24385			
136	86	02754	19316	86	01854	23315	04	01850	20412	14	01843	22413			
336	62	63763	16768	52	02763	24417				62	62752	28468			
350	24	01864	05369	24	02862	20403	00	00700	20300	14	01851	20303			
368	23	10845	21885	80	02846	22526									
370	20	01854	20414	8-	02866	20416	03	01790	20283	50	01753	22313			
390	8-	02636	21367	86	02744	21387	00	05690	24410	53	01743	22404			
382	14	01854	21514	16	00853	24413	04	00830	22202	03	00830	22203			
438	5-	57009	23569							8-	10745	24515			
430	8-	21877	53557	30	00851	55501	20	00751	24211	83	00753	24213			
409	24	01845	22405	84	02836	22527	54	05742	23411	3-	81837	27487			

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



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 12th August 1941.
1 S.E. England	Moderate west wind, fresh locally at first, backing S.W. tomorrow; bright intervals; showers; perhaps local thunderstorms; cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Moderate W.-N.W. wind, fresh or strong locally at first, backing S.W. tomorrow; bright intervals; showers; perhaps rain tomorrow morning; cool.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Moderate W. wind, fresh locally at first, backing S.W. tomorrow; bright intervals; showers; local thunderstorms, perhaps rain tomorrow morning; cool.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 A. W. Scotland	Moderate or fresh W. wind, backing S.W.; bright intervals; showers; perhaps rain tomorrow morning; cool.
13 B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

**BAROMETER.** Isobars are drawn for intervals of two millibars. **WIND, WEATHER SYMBOLS.** For explanation see opposite page. **SEA DISTURBANCE.** Rough. High. **BAROMETRIC CHANGE** from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

**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

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.

#### GENERAL INFERENCE.

A depression off North Scotland is moving slowly N.E., and a wedge of high pressure is approaching from the Atlantic. There will be showers in most districts today, but also bright intervals. Rain may reach western districts tomorrow from the Atlantic.

#### FURTHER OUTLOOK.

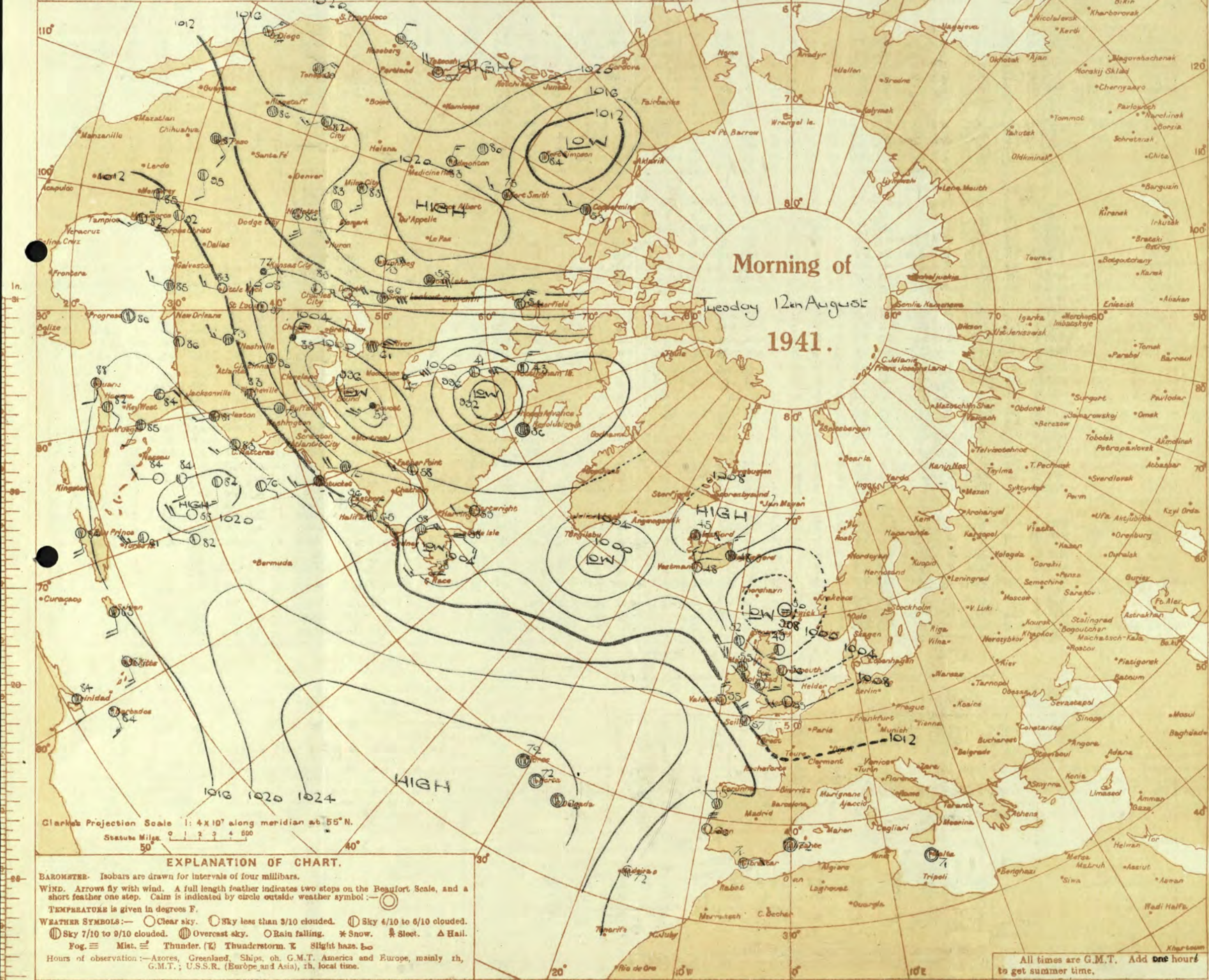
Unsettled; probably rain in the West Spreading East.

Forecasts issued at 10.30h G.M.T.  
 H.M.S.O. Press, Meteorological Office, Dunstable.  
 N. E. JOHNSON, D.Sc., A.R.C.S., Director.  
 6269/4120. No. 8175. O. 6034. 6p. 340. 3300. 3/41



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

**Explanation of Frontal Lines shown on Charts**  
 (The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 12th August															OBSERVATIONS at 7 hr. G.M.T. 12th August															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Sea.	TEMPERATURE.					RAINFALL.					Sun- shine Hrs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.	Force.			Form.	Amount.					Height of Base (feet).	State of Ground.	0-9	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.		Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

# SECRET

BRITISH SECTION  
Wednesday 13th August 1941.  
No. 29119

OBSERVATIONS at 13h. G.M.T. 12th August														OBSERVATIONS at 18h. G.M.T. 12th August														PAST 24 HOURS.									
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 8 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visib. miles (8)	Cloud.					Barom. M.S.L. (15)	Change in 8 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visib. miles (22)	Cloud.					Barom. M.S.L. (29)	Change in 8 hours. (30)	WEATHER.							
				Dir.	Force. 0-12 (4)					Low.	Med.	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base (feet) (14)	Form.					Amount.	Low 0-10 (23)	Med.	High (25)	Low 0-10 (26)			Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)	7h.—13h. ...12h... (37)	13h.—18h. ...12h... (38)	18h. 12h. to 1h.—13h. (39)	1h.—7h. ...13h... (40)
1	London (Kew)...	1010.8	+4	W'S	4	c	64	55	8	-	5	4.6	7.8	1500	1012.8	+14	WNW	3	c	63	55	8	8	3	6	4.6	9	2500	1	*	bcpr.bey	bcpr.bey	cycbce	crorrr			
	Croydon ...	1011.0	+6	W	3	bc/pr	65	65	8	2	6	3	4.6	4.6	3000	1012.7	+10	WNW	4	bc	62	55	8	2	6	2	2.3	4.6	3500	1	*	bcpr	bcpr	cycbce	crorrr		
	S. Farnborough	1011.5	+10	WNW	2	c	63	65	8	6	5	4.6	7.8	2500	1013.2	+12	WSW	3	c	62	55	8	7	3	9	4.6	7.8	3000	1	*	pr	beyey	cycbce	crorrr			
	Boscombe Down	1012.4	+6	WNW	5	bc	63	55	8	2	-	-	4.6	4.6	2500	1014.4	+8	WNW	5	c	58	75	8	7	-	7	2.3	9	3000	0	*	bbeebc	bee	cycbce	crorrr		
	Thorney Island	1012.0	+8	WNW	4	c	68	55	8	6	1	7.8	7.8	4000	1014.0	+10	NW	3	c	62	65	9	8	4	-	7.8	7	2500	0	*	bmevbcy	bey	cycbce	crorrr			
	Lympne ...	1011.2	+2	WSW	3	c	66	55	8	3	6	3	4.6	7.8	4000	1013.1	+6	WNW	3	bc	63	55	8	3	4	-	1	2.3	4000	1	*	bmevbcy	bey	cycbce	crorrr		
	Manston ...	1010.2	+6	W	4	c	65	55	7	8	6	2	7.8	7.8	2000	1012.0	+10	WNW	2	bc	63	75	8	8	6	-	2.3	2.3	3000	1	*	cbey	pr	cycbce	crorrr		
2	Shoeburyness ...	1010.7	+6	W	3	c	66	55	7	8	7	6	4.6	7.8	2500	1012.5	+8	NW	3	bc	64	55	8	8	-	2.3	2.3	4000	1	*	bemobey	pr	bey	crorrr			
	Felixstowe ...	1009.3	+10	W'S	3	bc/pr	59	85	8	6	3	2.3	2.3	2000	1010.5	+6	WNW	4	bc	64	55	8	8	4	-	2.3	2.3	2500	1	3	bcpr	bcpr	bey	crorrr			
	Gorleston ...	1008.4	+8	W'S	4	bc	66	55	7	2	4	-	4.6	4.6	3000	1009.9	+4	WNW	2	bc	62	55	7	8	3	-	4.6	4.6	2500	1	2	bey	bey	bc	crorrr		
	Mildenhall ...	1008.6	+6	W	5	c	63	65	7	8	7	-	7.8	9	1800	1010.5	+10	W	4	bc	63	75	8	2	6	-	2.3	4.6	3500	0	*	bcpr.c	bcpr.c	bc	crorrr		
	Cranwell ...	1008.4	+12	WNW	5	bc	63	65	7	2	6	-	4.6	4.6	3000	1010.3	+8	W'S	3	c	60	55	8	2	7	-	1	7.8	2500	0	*	cm.cprbc	bc	bey	crorrr		
3	Birmingham	1010.7	+8	WNW	4	bc	62	45	8	8	-	-	4.6	4.6	2500	1012.4	+10	WNW	3	c	59	55	8	8	7	2	4.6	9	2500	1	*	bcpr	bc	cycbce	crorrr		
	Upper Heyford	1010.6	+10	NW	4	c	65	45	9	8	6	-	4.6	7.8	2800	1012.6	+12	W	2	c	60	65	8	8	6	6	2.3	9	4000	0	*	bc	bcpr	cycbce	crorrr		
4	Ross-on-Wye ...	1012.2	+10	W'S	5	bc	61	55	8	7	-	-	4.6	4.6	4000	1013.4	+6	W'S	4	c	61	55	8	8	6	7	2.3	9	4000	0	*	bcpr	bcpr	cycbce	crorrr		
5	Hartland Point	1015.2	+6	WNW	4	bc	60	75	8	2	4	6	2.3	4.6	1500	1016.0	+2	W	4	c	59	75	8	2	9	8	2.3	9	1500	0	4	bc	bcpr	cycbce	crorrr		
	Bristol ...	1013.2	+14	WNW	5	c	64	55	9	8	6	-	4.6	7.8	2500	1015.1	+12	W'S	4	c	59	75	8	8	7	2	4.6	9	2000	0	*	bcpr	bcpr	cycbce	crorrr		
	Portland Bill ...	1013.8	+14	WNW	4	c	63	75	8	2	-	-	7.8	7.8	4000	1015.6	-6	W	4	c	61	75	8	2	4	-	7.8	10	4000	1	5	bcpr	bcpr	cycbce	crorrr		
	Plymouth ...	1016.3	+10	W'S	5	c	64	55	8	1	5	4	-	7.8	9	3500	1017.7	+6	WNW	5	c	60	75	8	2	3	7	4.6	9	3000	0	3	bcpr	bcpr	cycbce	crorrr	
	The Lizard ...	1017.5	+14	NW	4	bc	62	65	8	2	6	1	4.6	4.6	3500	1019.0	+4	WNW	5	c	57	85	8	8	6	-	7.8	7.8	2500	0	3	bcpr	bcpr	cycbce	crorrr		
	St. Mary's ...	1018.4	+10	NW	4	bc	64	75	7	8	4	3	1	4.6	1500	1019.4	+4	WNW	4	c	53	75	8	8	7	-	4.6	9	1500	1	3	bc	bcpr	cycbce	crorrr		
	Guernsey ...	1018.4	+10	NW	4	bc	64	75	7	8	4	3	1	4.6	1500	1019.4	+4	WNW	4	c	53	75	8	8	7	-	4.6	9	1500	1	3	bc	bcpr	cycbce	crorrr		
6	Pembroke ...	1015.0	+4	W'S	5	cq	58	75	8	2	7	-	4.6	7.8	3000	1014.8	-4	W	6	cq	58	85	7	7	6	-	4.6	7.8	2500	1	4	bcpr	bcpr	cycbce	crorrr		
7	Holyhead (Valley)	1011.5	+10	W	5	c	60	75	8	2	7	1	4.6	7.8	3000	1011.8	+2	WNW	4	c	58	85	8	8	7	-	7.8	10	4500	0	3	bcpr	bcpr	cycbce	crorrr		
	Chester (Sealand)	1010.2	+10	WNW	6	bc	61	55	8	8	6	-	4.6	4.6	1500	1011.0	+2	W	5	c	60	65	8	8	9	8	4.6	9	2000	1	*	bcpr	bcpr	cycbce	crorrr		
8	Manchester ...	1009.4	+14	W'S	5	cq	59	65	8	3	1	7.8	9	2000	1010.8	+6	W	4	c	58	75	8	2	3	2	7.8	9	2500	1	*	bcpr	bcpr	cycbce	crorrr			
10	Spurn Head ...	1005.9	+10	W'S	5	c	63	55	7	8	7	-	4.6	7.8	4000	1008.3	+16	WNW	6	bcpr	61	65	7	8	9	-	4.6	4.6	4000	0	5	bcpr	bcpr	cycbce	crorrr		
	Catterick ...	1006.0	+8	WNW	5	bc/pr	64	55	8	3	-	-	4.6	4.6	3200	1008.1	+6	WNW	3	bc	60	55	8	4	6	-	2.3	4.6	3500	0	*	pr	bcpr	cycbce	crorrr		
	Tynemouth ...	1009.6	+12	WNW	5	bc	62	65	8	2	-	-	4.6	4.6	2800	1006.5	+12	W	5	bc	62	65	7	2	3	-	4.6	4.6	3200	1	3	bc	bcpr	cycbce	crorrr		
11	St. Abbs Head	1003.1	+12	WNW	4	bc	59	65	8	8	4	-	4.6	4.6	2500	1004.6	+12	WNW	5	bc	59	65	8	4	4	2	4.6	4.6	2500	0	3	bc	bcpr	cycbce	crorrr		
	Leuchars ...	1002.4	+6	WSW	6	bc	63	45	9	8	4	-	4.6	4.6	3500	1004.1	+10	W	6	c	61	55	9	4	3	2	4.6	7.8	3200	0	*	bcpr	bcpr	cycbce	crorrr		
12	Rentrev (Abbots L.)	1005.7	+8	WNW	5	c	59	55	9	8	4	-	7.8	7.8	2000	1007.2	+8	W	4	c	58	65	8	4	6	1	9	2500	0	*	bcpr	bcpr	cycbce	crorrr			
	Blackdalemuir ...	1005.4	+10	WNW	5	c	58	65	8	8	-	-	7.8	7.8	2500	1007.0	+6	WNW	5	bc	55	65	8	8	-	8	2.3	4.6	2500	0	*	bcpr	bcpr	cycbce	crorrr		
	Point of Ayre ...	1009.1	+10	NW	4	c	61	75	8	7	3	9	4.6	7.8	3000	1009.9	0	NW	3	cq	57	85	8	9	7	-	4.6	9	2000	0	3	bcpr	bcpr	cycbce	crorrr		
13A	Tiree ...	1008.0	+12	WNW	4	bc	57	75	8	8	3	-	4.6	4.6	2500	1007.8	0	SW	2	c	56	85	8	5	-	-	9	9	2100	0	4	bcpr	bcpr	cycbce	crorrr		
13B	Stornoway ...	1004.5	+32	NW	5	pr	55	85	7	8	7	-	7.8	9	1000	1005.1	0	W	4	c	56	65	8	2	7	8	4.6	7.8	2000	1	2	bcpr	bcpr	cycbce	crorrr		
15	Dalwhinnie ...	1004.2	+16	W	3	pr	53	85	7	5	-	-	10	10	1500	1006.1	+8	W	3	c	52	75	8	8	-	2	7.8	9	2500	1	*	bcpr	bcpr	cycbce	crorrr		
	Aberdeen ...	1000.9	+6	W	4	bc/pr	64	55	9	8	-	-	4.6	4.6	3100	1003.7	+18	NW	4	pr	57	75	8	8	6	-	4.6	7.8	2500	1	3	bcpr	bcpr	cycbce	crorrr		
	Wick ...	1000.4	+10	WNW	5	cq	55	85	9	2	7	-	9	9	2000	1002.4	+10	W'S	3	c	55	85															



Abridged observations of additional stations in the AVIATION WEATHER CODE																
13h. G.M.T. 12th. August.....18h. G.M.T.								01h. G.M.T. 13th. August.....07h. G.M.T.								
III	C <sub>u</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>u</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>u</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>u</sub>	ww	Vh <sub>N</sub>	DDFWN
109	87	10846	28487	8-	25847	57427	07	01663	24223	87	02843	14226				
115	52	81834	26487	52	81834	24487	54	02844	20385	52	64738	20268				
203	5-	61838	24468	54	02544	24408	5-	64838	16428	6-	64838	16368				
206	87	81858	24487	83	02555	24387	52	61555	24168	52	64744	12268				
210	8-	81856	24487	87	02555	25487	57	02963	13215	02	62748	10168				
220	13	01954	27404	81	02746	22318				5-	66408	14368				
230	8-	81858	57485	83	10854	25387	5-	62748	18468	52	64637	14268				
245	24	81965	23287	84	10555	20386	57	02874	24127	02	64648	19368				
260	8-	02965	24485	70	01963	24414	52	02654	22268							
278				87	02864	24427				02	62618	16368				
279	83	25854	23384	14	01853	24415	--	62636	53468							
285				23	81744	24685				6-	64638	20468				
288	24	02865	58426	84	25955	24385	02	62790	20368	62	64668	18368				
575	57	64746	26268	62	62635	24468	62	56626	20268							
901	26	02854	61585	37	02853	26427	53	64534	57568	52	64644	55758				
321	86	01754	24484	83	02746	24326	52	62653	23268	52	64634	22468				
299	8-	25786	24486				50	02744	20227	62	62545	20268				
292	80	25955	25485	87	01952	25313	52	62768	21128	62	64658	17368				
310				--	02645	24515				--	67209	24549				
614	8-	02745	24425	46	02764	59327				62	61536	22468				
338	87	81955	24416				52	64636	22468	52	22637	54568				
334				--	02844	24427				--	56427	18458				
340	26	02965	26386	8-	02955	59485	52	64655	20368	52	62945	20368				
136	36	25784	26485	86	10855	28685	57	02764	22317	62	62637	20468				
336	52	03763	28328	51	02762	24418										
350	86	25864	24485	87	02864	24416	5-	61638	20328	62	62626	18368				
368	86	02864	26625	87	10744	-----										
379	80	01954	26514	83	02865	24427				62	22736	22468				
390	36	25784	25486	26	01763	26413	51	05663	23318	62	64536	20368				
382	10	01854	25414	73	02865	24416	07	61790	22268	62	64637	20368				
438	8-	02855	24517							6-	22508	24568				
430	86	02965	26425				57	61763	22368	57	62634	20268				
409	53	02845	26527	57	02851	25418	57	62744	23468	62	58527	22568				

III

= Index Number of Station—See M.O. 252 or list issued on 1st of each month.

ww, W

= Present and past weather—See M.O. 252.

h, N<sub>h</sub>

= Height and amount of low cloud—See M.O. 252.

C<sub>u</sub>, C<sub>u</sub><sub>h</sub>

= Total amount of cloud—See M.O. 252.

C<sub>u</sub>, C<sub>u</sub><sub>h</sub>

= Form of low and medium cloud—See page 1.

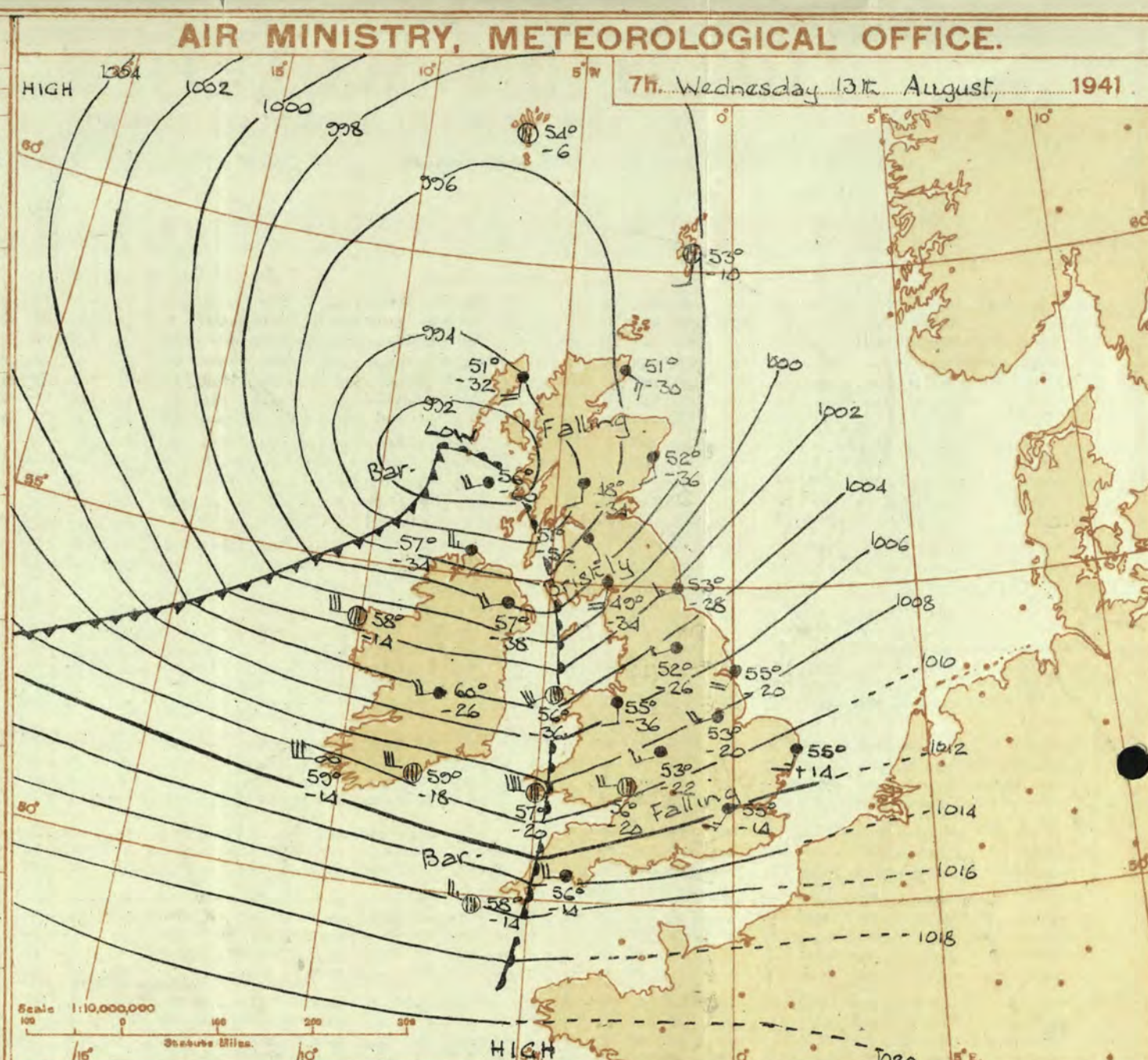
V

= Visibility. F = Force of wind—See page 4.

DD

= Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 13th. Aug. 1941.
1 S.E. England	Moderate or fresh S.W.-W. wind, strong at times locally; rain at first, fairer later; rather cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Fresh or strong W. wind, gale at times locally, veering N.W.; rain at first, showers and bright intervals later; cool.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Wind east or variable becoming N.W., strong at times; rain at first, then showers; cool.
12 S.W. Scotland & Isle of Man.	
13 A. W. Scotland	
13 B. N.W. Scotland	
14 Mid Scotland	As 1-4.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

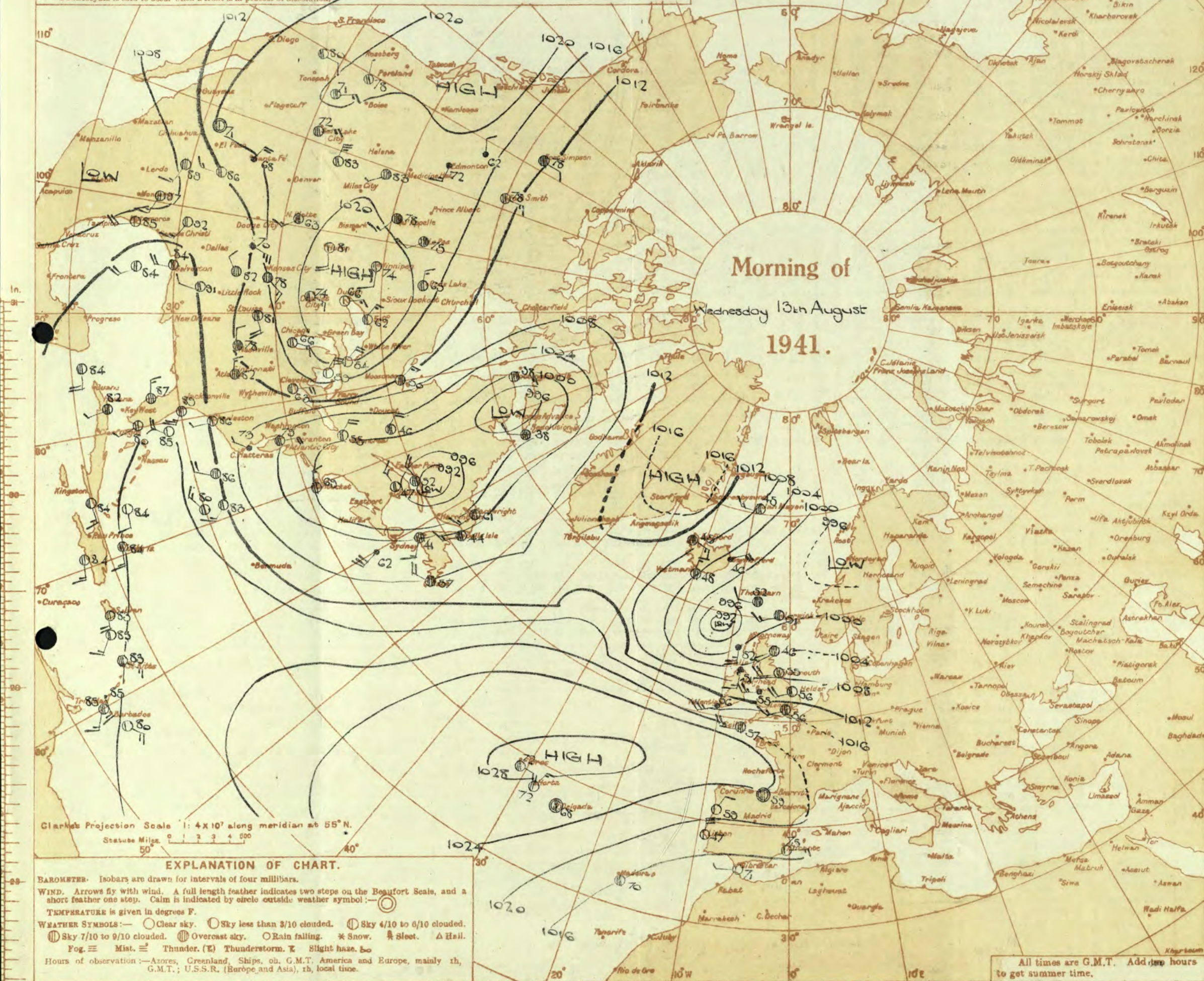




# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.  
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 13th August															OBSERVATIONS at 7 hr. G.M.T. 13th August															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.					State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		Sun-shine (36) Hrs.			
					Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Direc. (17)	Force. (18)			Form. (23)	Amount. (24)					Height of Base. (feet) (25)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)			Night 18h-7h mm. (35)								
																																Low. (12)	Med. (13)	High (14)	Low (12)		Med. (13)	High (14)	
1	London (Kew) ...	18	1014.2	-2	SW	3	bc	56	85	8	-	-	-	1011.5	-16	W'N	4	bc	56	82	7	6	2	-	10	1500	1	*	67	55	48	Tr	3	9.5					
	Croydon ...	217	1014.2	-2	SW	3	bc	56	85	8	-	7	0	10	1012.2	-14	SW	3	bc	55	87	7	6	2	-	10	500	1	*	67	50	51	Tr	3	11.2				
	S. Farnborough ...	226	1014.4	-2	SW	3	bc	56	85	8	-	1	-	0	1011.9	-14	WSW	4	bc	53	82	7	5	2	-	10	1000	1	*	67	54	53	Tr	2	10.0				
	Boscombe Down ...	417	1015.3	0	WSW	3	bc	54	87	7	5	1	-	9	1013.0	-12	SW	4	bc	55	87	7	6	7	-	10	800	1	*	65	53	52	-	2	8.3				
	Thorney Island ...	10	1015.5	0	W	3	bc	58	85	7	5	2	-	2	1013.4	-10	WSW	4	bc	58	82	6	5	2	-	10	2500	1	*	69	56	54	-	2	*				
	Lymington ...	346	1015.5	+4	WSW	2	bc	53	85	6	-	7	0	10	1014.2	-6	S	1	bc	54	87	6	6	2	-	10	500	1	*	68	52	47	-	1	10.6				
	Manston ...	154	1014.1	+2	WSW	2	bc	55	85	7	-	6	0	10	1012.1	-10	SW	3	bc	55	87	6	-	7	-	10	-	1	*	67	51	48	Tr	1	9.5				
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	1012.4	-12	SW	3	bc	56	87	6	6	2	-	10	800	1	*	68	55	49	0.4	3	10.6				
	Felixstowe ...	15	1012.5	+2	W	2	bc	56	75	8	7	-	4	10	1010.5	-14	WSW	4	bc	55	87	6	6	2	-	10	600	1	2	66	55	50	1	2	9.4				
	Gorleston ...	5	1012.2	+6	WSW	2	bc	54	75	7	5	1	-	0	1010.4	-14	SW	3	bc	55	82	6	6	-	-	10	1500	1	3	66	53	47	Tr	0.6	*				
	Mildenhall ...	19	1011.8	-2	SW	3	bc	54	85	8	5	1	-	7	1010.4	-18	SW	3	bc	54	87	6	5	2	-	10	800	1	*	66	53	48	Tr	6	8.1				
	Cranwell ...	240	1011.5	0	WSW	4	bc	54	85	6	5	2	-	Tr	1010.7	-20	SW	4	bc	53	87	6	6	2	-	10	800	1	*	65	53	51	0.3	6	8.0				
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	1008.0	-22	SW	3	bc	53	82	6	6	2	-	10	800	1	*	63	51	50	-	8	8.5				
	Upper Heyford ...	408	1013.1	-2	WS	2	bc	54	82	7	5	1	-	7	1010.2	-22	SW	3	bc	54	87	6	6	2	-	10	600	1	*	67	52	51	-	4	*				
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	1009.4	-20	WSW	4	bc	56	85	7	6	2	-	10	1500	1	*	64	54	52	Tr	1	8.0				
5	Hartland Point ...	299	1015.1	-10	W	3	bc	57	82	8	5	2	-	4	1012.1	-8	W	6	bc	56	87	6	6	2	-	10	600	1	5	62	55	54	-	1	6.9				
	Bristol ...	200	1014.8	-4	W	3	bc	55	85	7	5	-	-	10	1011.6	-18	W	3	bc	56	82	7	6	2	-	10	600	1	*	65	55	53	Tr	7	9.4				
	Portland Bill ...	32	1006.2	+6	W	5	bc	50	82	7	5	-	-	10	1013.6	-6	W	5	bc	58	82	7	5	-	-	10	2500	1	5	63	56	*	-	-	*				
	Plymouth ...	82	1013.1	-2	W	4	bc	57	85	7	-	2	-	10	1015.4	-14	WS	4	bc	56	82	6	-	2	-	10	700	1	4	65	55	54	-	0.2	8.2				
	The Lizard ...	240	1013.3	-4	WN	5	bc	56	82	8	2	-	-	7	1016.0	-12	W	6	bc	57	85	8	6	-	-	7	1300	0	5	63	54	*	-	-	11.4				
	Scilly (St. Mary's) ...	163	1013.8	-8	WNW	5	bc	57	85	8	5	7	-	7	1015.9	-14	WNW	5	bc	58	85	8	5	7	-	10	1500	1	4	65	56	*	-	-	9.4				
	Guernsey ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
6	Pembroke ...	142	1014.0	-8	WS	6	bc	56	82	7	8	2	-	7	1008.5	-20	WS	8	bc	57	82	7	6	2	-	10	2000	1	5	60	55	*	-	3	5.7				
7	Holyhead (Valley) ...	26	1010.3	-14	W	5	bc	55	87	6	5	2	-	7	1003.3	-36	SW	6	bc	56	87	7	5	2	-	10	1000	1	4	63	54	53	-	8	*				
	Chester (Sealand) ...	16	1010.9	-8	-	0	bc	54	82	6	-	2	-	10	1004.8	-36	S	2	bc	55	82	6	5	2	-	10	2500	1	*	63	53	52	0.3	4	6.1				
8	Manchester ...	70	1010.6	-6	WSW	4	bc	54	87	6	5	2	-	7	1006.3	-18	WSW	4	bc	53	87	5	5	2	-	10	400	2	*	62	53	52	1	12	5.6				
10	Spurn Head ...	29	1009.5	0	WSW	4	bc	56	85	6	5	1	-	2	1006.7	-20	SW	3	bc	55	82	6	-	2	-	10	2500	1	3	64	53	*	Tr	2	9.0				
	Catterick ...	175	1008.3	-10	WS	1	bc	55	85	6	6	2	-	10	1003.5	-26	SW	1	bc	52	82	7	6	2	-	10	5000	1	*	66	52	47	Tr	1	9.3				
	Tynemouth ...	108	1007.5	-4	W	4	bc	55	75	6	8	-	-	7	1003.1	-28	SW	3	bc	53	82	6	-	2	-	10	2200	1	2	64	53	50	0.1	2	*				
11	St. Abbs Head ...	280	1005.4	-6	W	3	bc	50	85	8	5	4	-	7	1003.4	-34	SW	4	bc	50	87	8	5	2	-	10	2000	1	3	60	49	*	-	3	*				
	Leuchars ...	36	1004.2	-10	WSW	1	bc	51	82	7	5	2	-	7	1007.7	-30	SW	2	bc	51	87	6	6	2	-	10	1500	1	*	66	51	43	-	2	7.6				
12	Renfrew (Abbots) ...	19	1004.7	-24	SW	2	bc	54	87	5	5	-	-	4	1006.7	-52	SE	5	bc	51	87	5	6	2	-	10	800	1	*	62	50	50	Tr	5	8.8				
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	1008.9	-34	SW	4	bc	49	87	5	-	2	-	10	220	1	*	59	47	46	0.3	9	7.7				
	Point of Ayre ...	30	1008.0	-16	W	5	bc	54	87	7	-	2	-	10	1003.4	-62	WSW	6	bc	55	87	7	6	2	-	10	800	1	5	64	50	*	Tr	14	4.9				
13A	Tiree ...	22	1002.8	-16	SW	2	bc	55	87	6	5	2	-	10	1007.7	-60	SW	4	bc	56	87	6	-	2	-	10	500	1	5	56	51	*	0.2	8	5.4				
13B	Stornoway ...	80	1009.5	-38	S	5	bc	52	82	6	5	2	-	9	1004.0	-32	S	4	bc	51	87	7	8	7	-	10	1800	1	2	57	51	*	0.4	5	4.0				
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	1005.8	-34	S	2	bc	48	82	6	5	-	-	10	1500	1	*	57	48	44	1	3	3.1				
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	1007.4	-36	SE	2	bc	52	87	6	6	2	-	10	400	1	2	65	47	38	2	2	8.0				
	Wick ...	119	1002.4	-10	SW	2	bc	46	82	8	-	-	-	6	1006.8	-30	SE	3	bc	51	82	7	5	2	-	10	1800	1	*	59	44	40	*	*	*				
16	Sumburgh ...	30	1000.4	+2	W	3	bc	52	82	8	5	-	-	4	1008.4	-10	SW	2	bc	53	85	8	3	-	-	6	400	*	*	60	50	46	*	*	*				
17	Blackod Point ...	18	1005.2	-44	WSW	6	bc	56	87	7	6	-	-	10	1001.3	-14	W	6	bc	58	87	6	6	-	-	10	800	1	6	59	52	*	4	*	*				
18	Malin Head ...	84	1003.9	-28	S	3	bc	51	87	6	6	-	-	9	1004.6	-30	W	5	bc	57	87	6	6	-	-	10	450	1	4	58	50	*	1	8	2.2				
	Aldergrove ...	268	1007.2	-18	WSW	3	bc	51	87	6	5	2	-	9	1007.4	-38	SW	4	bc	57	87	4	-	2	-	10	10	300	1	*	60	49	49	0.2	15	3.4			
19	Birr Castle ...	173	1003.7	-30	WSW	4	bc	55	82	8	6	1	-	7	1004.4	-26	WSW	4	bc	56	87	7	5	-	-	10	2500	1	*	63	54	51	0.3	5	3.4				
20	Valencia Obay. ...	30	1014.9	-20																																			



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

**SECRET**

BRITISH SECTION  
Thursday 14th August 1941.  
No 29120

OBSERVATIONS at 13h. G.M.T. 13th August														OBSERVATIONS at 18h. G.M.T. 13th August																PAST 24 HOURS.					
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	% Humid.	Visibility. 0-9	Cloud.					Height Base (feet)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	% Humid.	Visibility. 0-9	Cloud.					Height Base (feet)	State of Ground. 0-9	Sea. 0-9	WEATHER.			
				Dir.	Force.					Form.	Amount.	Low.	Med.	High.				Total 0-10	Form.					Amount.	Low.	Med.	High.	Total 0-10				7h.—13h. 13th.	13h.—18h. 13th.	18h.—1st 14th.	1st.—7h. 14th.
1	London (Kew) ... Croydon ... S. Farnborough ... Boscombe Down ... Thorney Island ... Lympne ... Manston ...	1007.8 1008.7 1008.9 1000.2 1011.1 1011.1 1008.8	-18 -22 -18 -12 -10 -16 -20	SW'S SSW WSW SW SW'W WSW SW'W	5 4 6 5 5 5 6	c c c d.d. y/d c/r c/r	61 61 60 59 60 58 59	85 85 85 97 85 92 85	8 8 8 7 7 7 7	5 6 5 5 6 6 5	2 - 2 - - - -	- 7-8 10 10 10 10 10	9 9+ 10 10 1300 10 10	1500 900 1100 800 100 300 600	1005.1 1006.0 1006.6 1008.1 1009.2 1009.0 1006.1	-16 -14 -8 -12 -3 -10 -6	SW'W SW WSW SW WSW WSW WSW	5 5 4 6 5 6 5	ir. Z. Z. rr ido ido do	62 62 61 60 61 59 61	85 92 92 97 92 92 92	6 7 6 4 6 6 6	- - 2 - - - -	10 10 9+ 10 10 10 10	1500 800 800 600 1500 100 1000	1 1 1 1 1 1 1	*	rdd.cid.c crro.cbc pradoc cid.Ded rmud.e morrer r.fom.cir	cid.cm cir cm crroc emoide r cmo	cir.cbcc crro.cbc dam.cbcc err.b.c idarrc emodede rofodac	c bcc c c c cid.vr c				
2	Shoeburyness ... Felixstowe ... Gorleston ... Mildenhall ... Cranwell ...	1008.9 1006.6 1005.6 1004.5 1001.5	-20 -22 -28 -30 -30	SW WSW SW SW SW	5 5 4 5 5	e ir ir o c	61 59 57 60 60	85 85 92 85 85	7 7 6 8 7	5 6 6 6 5	1 - - 2 3	- 10 10 7-8 9	9 10 10 800 900	1006.3 1003.8 1001.8 1001.3 998.8	-8 -14 -10 -10 -12	SW WSW SW'S WSW NW'W	8 6 4 6 6	c ir q/pr q/d PR	63 64 64 64 62	85 85 85 85 85	8 6 6 8 7	5 5 6 8 5	- 2 - - -	10 9 10 9+ 9+	800 1200 1500 800 900	1 1 1 1 1	*	rdd.d.hg ridid ir.g oroidmo crroc	c oircciam capr oidc collg	cid.cir.be ir.d.prbev beg cid.cbc bcc	bcc beav becbe bee cmo				
3	Birmingham Upper Heyford	1003.6 1003.6	- -24	WSW SW	4 5	ido y/d	60 60	92 85	8 7	6 7	- -	10 9	800 400	1002.8 1003.8	-2 -4	W SW	5 6	ir. y/d	62 61	85 92	8 6	6 7	- -	9+ 9	800 700	1 1	*	coi ormoidc id.gcg	oir.c d	erb cid.mcb cpobcc	bc bee				
4	Ross-on-Wye ...	1006.0	-16	WSW	5	ido	63	85	6	5	-	10	10	1500			SW	6	y/d	61	92	8	6	7	9	10	700	1	*	id.gcg	d	cpobcc	bee		
5	Hartland Point Bristol ... Portland Bill ... Plymouth ... The Lizard ... Scilly (St. Mary's) Guernsey ...	1008.8 1009.1 1012.3 1013.5 1016.4 1014.2	-14 -14 -6 -14 -6 -10	W WSW SW W W W	7 4 5 5 6 5	id o o ir o c	59 62 60 58 58 60	97 92 95 97 85 85	5 7 7 5 2 7	5 6 7 6 5 5	- 2 - 2 - -	10 9 10 9 10 10	800 900 25 200 1000 1100	1007.7 1007.1 1007.1 1011.9 1013.8 1012.6	0 -10 -12 -10 -4 -6	WSW W SW W WS W	7 6 6 6 6 6	dd ir ir Gr. m C	60 61 60 58 58 59	97 92 85 97 97 97	5 6 5 5 4 6	5 - - 2 - -	10 10 10 10 10 10	200 600 1500 100 800 800	1 1 1 1 0 0	5 1 5 4 5 4	irido cd.addg o rddcir o c	oiddd emodrg o cir.r om c	rradc crogrqbc dmddam df ofdf	cpri opr cpirmm df ofr					
6	Pembroke ...	1007.2	-8	W'S	9	cy	59	97	6	6	2	-	7-8	10	1500	1006.5	+4	W'S	7	cy	59	97	6	8	2	-	7-8	10	1500	1	5	pr	pr	cid.g	gc
7	Holyhead (Valley) Chester (Sealand)	1000.0 999.9	-18 -22	SW'W SW'W	6 6	c c	61 67	97 75	5 5	5 7	- -	9 9	300 1300	1002.3 1000.2	+14 +1	W'N W'S	5 6	bc bc	62 65	75 55	9 2	6 6	- -	4-6 2-3	4-6 2-3	3000 2500	1	3	cidamom emodmrc	bcprbc	bee	bee			
8	Manchester ...	999.9	-18	SW'S	5	ir	62	85	6	5	-	9	10	1400	999.0	+2	W	6	pr	62	75	8	9	3	-	7-8	9	1500	1	*	rrrro	rogrpr	cpgrpr	c	
10	Spurn Head Catterick Tynemouth	998.1 994.4 994.3	-30 -44 -32	SSW WSW S	6 5 4	ded. pr r	59 67 63	85 75 85	6 8 6	8 4 8	- 4 -	10 2-3 9+	10 900 2000	996.2 994.8 991.5	-6 +4 -8	W'S W W	7 5 8	ir. bc/pr bc/pr	62 59 60	75 75 65	7 8 7	8 8 2	- - -	4-6 4-6 4-6	4-6 1200 2400	1 0 1	4 * 3	orod crocpa ocir	odeir pr pr	eq cpab beprbc	beq bbobv bc				
11	St. Abbs Head Leuchars	990.1 988.0	-36 -42	W SW	5 4	c/r c	61 60	85 85	8 8	7 7	- -	4-6 7-8	7-8 1500	986.3 984.3	-14 -10	W WSW	7 7	cy cy	56 56	75 75	9 8	4 6	- -	7-8 7-8	9+ 9+	2500 1200	0 1	4 *	erre cgrRRC	bc cbccrro	ebca rircbce	cbca cabcb			
12	Roafrew (Abbots L.) Eskdalemuir Point of Ayre	990.2 991.2 995.7	-22 -20 -10	WSW W W'N	6 6 6	ido bc/r c	58 59 61	85 75 85	6 8 8	6 8 3	- 3 -	7-8 4-6 7-3	10 4-6 9+	700 1500 2500	991.4 991.5 997.2	+10 -6 +10	W W WNW	5 7 6	bc pr cjp	56 53 39	75 85 75	8 5 8	7 5 9	- - -	4-6 9+ 7-8	4-6 800 3000	1 1 1	5 * 5	cmadrid orrR croce	prprbc becprpr cpr	beeb cpabc bee	bebbcb bab cpoc			
13a	Tiree ...	989.7	-4	W'N	6	pr	55	85	7	8	-	9+	1200	996.8	+28	NW	5	bc	55	85	8	8	6	-	2-3	4-6	2500	0	6	cirpr	cpabc	bc	bee		
13b	Stornoway	989.0	-22	NNE	8	pr	53	92	7	8	7	-	7-8	9	1800	992.7	+20	N	7	refo	53	92	7	8	7	-	7-8	10	1000	1	3	crrro	eror	cpabc	bee
15	Dalwhinnie Aberdeen Wick	987.5 988.6 990.0	-30 -52 -34	SE SE SE'E	2 4 3	rr ro ro	54 51 53	92 97 97	6 6 7	5 2 1	- - -	10 9+ 9+	10 500 500	988.3 982.8 988.9	+36 -22 +8	NW NE NE'N	4 2 2	ir ro rr	50 54 51	85 84 97	7 5 6	2 6 5	- - -	7-8 9+ 2-3	9+ 2500 300	1 1 1	*	orr crrr rorro	orr crr rorRr	oirbe r r	oirbe r r				
16	Sumburgh	995.5	-18	SE'E	4	c	55	75	8	2	7	6	7-8	9	1600	993.3	-10	E'N	5	ro	54	85	8	5	2	-	7-8	10	1200	*	*	c	c	c	
17	Blackod Point Malin Head Aldergrove	1003.2 993.8 996.7	+16 +8 +6	W W W'N	6 8 5	c c y/pr	59 58 59	75 85 85	7 7 8	5 9 2	- 2 -	9 4-6 7-8	1500 800 2000	1007.1 999.2 1000.4	+28 +36 +30	W WNW WNW	6 6 5	cy y/pr y/pr	57 55 56	85 85 85	7 8 7	8 9 9	- 2 -	7-8 4-6 9+	7-8 2500 1200	0 0 1	5 5 *	irce cpce deddrpr	cy cpce cpjppr	c cpce cbcb	c cpce bee				
19	Birr Castle	1003.5	+2	W	4	c	62	85	8	3	8	-	2-3	7-8	1500	1006.3	+18	W	4	c	60	75	8	4	8	-	4-6	7-8	2500	1	*	adde	bee	bee	c
20	Valentia Obay. Roches Point	1009.7 1007.9	-2 -6	W'S W	5 6	c c/d	60 63	97 92	6 8	5 5	- -	9+ 9+	1200 1500	1011.4 1008.9	+18 +16	W'W W'W	4 6	c bc	57 62	85 85	8 8	5 2	7 3	- -	4-6 2-3	9+ 4-6	2500 2500	1 0	4 4	cidair cidc	crrridc cbc	cirbc cir	c c		

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION  
AND SYMBOLS FOR WEATHER.

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.  
p, precipitation within sight of station.  
ks, storm of drifting snow.  
k/s, slight storm of drifting snow (generally low).  
k/S, heavy storm of drifting snow (generally low).  
s/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. T<sub>o</sub>, 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.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

- 0 No low clouds.
- 1 Fair weather Cu.
- 2 Large Cu without anvil.
- 3 Cb.
- 4 So 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.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.

Columns 13, 27. 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; similarly for other grouped entries.

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

"9+" signifies an overcast sky with a few small openings.

‡ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

- 0 No medium clouds.
- 1 Typical As (thin).
- 2 Typical As (thick) (sun or moon invisible), or  
Nimbostratus (Ns).
- 3 Single layer of Ac or high Sc.
- 4 Ac in isolated patches. Individually de-  
creasing (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:      Cirrocumulus, -Cc:      Cirrostratus, -Cs:      Alto cumulus, -Ac:      Altostratus, -As:  
Stratocumulus, -Sc:      Stratus, -St:      Nimbostratus, -Ns:      Cumulus, -Cu:      Cumulonimbus, -Cb:

COLUMN 29 — STATE OF GROUND

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

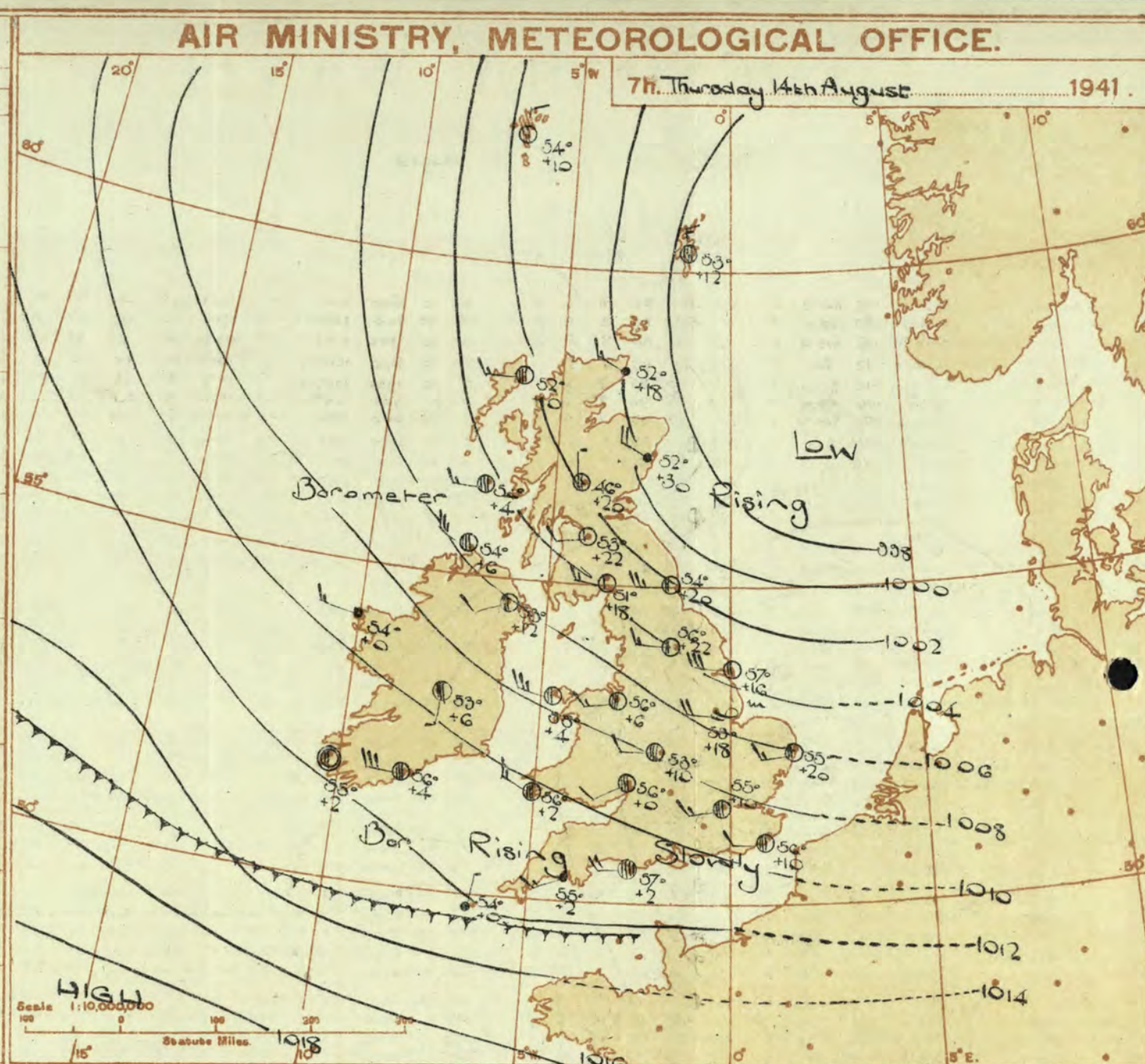
NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.



Abridged observations of additional stations in the AVIATION WEATHER CODE															
13h. G.M.T. 13h. August				15h. G.M.T.				01h. G.M.T. 14h. August				07h. G.M.T.			
III	C <sub>m</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>m</sub>	wwVhN <sub>h</sub>	DDFWN		C <sub>m</sub>	wwVhN <sub>h</sub>	DDFWN		C <sub>m</sub>	wwVhN <sub>h</sub>	DDFWN	
109	6	61638	10568	62	62635	04568		52	61645	01368		52	22734	30368	
115	52	62738	08468	52	62735	02468		87	81844	32487		84	02844	28385	
203	6	02728	04528	8	02838	28568		8	0945	32485					
206	62	62745	09468	52	61635	02368		52	61745	30468		80	01964	28364	
210	52	62844	10368	62	62627	32568		62	62745	53568		57	02964	25466	
220	82	64636	28368	80	25845	29585						83	01944	29115	
230	54	21846	59766	83	25843	27784		53	02844	26784		74	01834	25324	
245	62	05637	23367	9	63947	56687		57	51756	61457		54	01963	61564	
260	6	51735	23467	89	02854	55615		5	01863	22415		50	00871	24311	
275	02855	56465		8	10846	58686		50	00871	59621		8	02847	24317	
279	62	02746	21667	8	25756	55686						24	00082	23203	
285				3	82746	24784						23	01744	26663	
288	5	02837	21667	80	00862	24522		84	01853	55613		84	00862	24403	
575												83	25855	26487	
801	62	22726	55868	20	01853	58863		53	02754	58728		53	02854	59626	
321	57	21637	54567	10	00752	24512		50	01754	59414		50	01853	57414	
299				87	01753	24514		50	00752	24602					
292	62	62636	20368	80	01864	58584		50	01853	58513		84	00952	25312	
310	--	57209	24549	--	01665	24565									
614	62	02535	51458					8	02757	59417		53	05668	24317	
333	57	02745	19628	24	01853	22624		03	01890	59614		83	02853	26415	
334	--	54437	28458									--	03646	20428	
340	52	21847	55668	20	01944	56554		53	02854	28425		23	01852	24214	
1365	--	22938	20568					5	02866	22766		59	22516	05152	
336	62	61653	24568									52	02763	24428	
360	52	02836	51658	52	02727	53668		54	01754	20405		57	02761	20326	
368	02	52628	22758	02	66418	21768									
879	62	61747	20568	53	21736	20657		03	01890	20413					
390	F7	02745	54567	62	51737	55358						07	02790	24317	
382	52	02846	55628	6	62638	55568		03	01830	22314					
428	5	02638	24728									8	25748	24288	
430	--	21638	58558	6	05628	20628		83	02754	24487		02	61890	22268	
409	02	51508	55658	02	57108	55658		52	62537	25468		67	22725	22267	

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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 14th August
1 S.E. England	Light or moderate west wind; mainly fair; cool.
2 E. England ...	Light or moderate west wind; bright intervals, local showers; cool.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light or moderate west wind backing south later; mainly fair at first, rain later; cool.
6 South Wales ...	
7 North Wales ...	Moderate northwest winds, fresh locally; bright intervals, showers; perhaps local thunderstorms; cool.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	As 5-6



BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page.  
 SEA DISTURBANCE. Rough. High.  
 BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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.

#### GENERAL INFERENCE.

A deep depression estimated over Southern Scandinavia is probably moving northeast. A small depression estimated in mid-Atlantic will probably move east-southeast and then east. In the North there will be bright intervals and showers. Weather will be temporarily fair in the South but rain may occur in the Southwest tomorrow morning.

#### FURTHER OUTLOOK.

Bright intervals and showers in the North. Rain in the Southwest and perhaps in the Southeast.

Forecasts issued at 10.30 a.m.  
 H.M.S.O. Press, Meteorological Office, Dunstable.

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

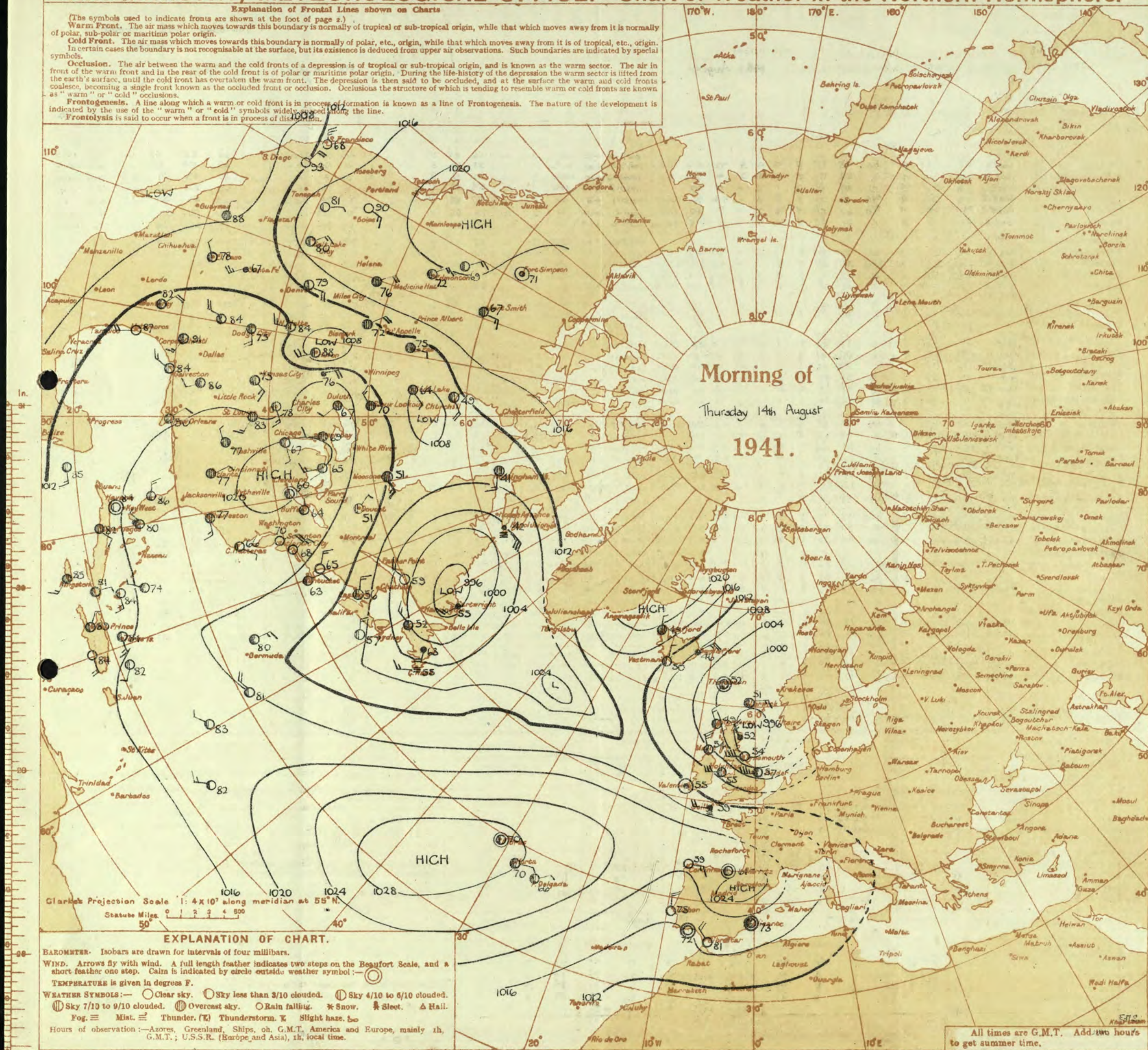
G.282/4120. Pp. 8/76. D. 6034. Sp. 446. 9500. 8/41.



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 14th August 1941.

No. 29120

OBSERVATIONS at 1 hr. G.M.T. 14th August															OBSERVATIONS at 7 hr. G.M.T. 14th August															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visibility.	Cloud.					Sec. 0-6	TEMPERATURE.			RAINFALL.		Sun-shine Hrs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
					Direc.	Force.				Form.	Amount.	Height of Base (feet).	Direc.	Force.			Form.	Amount.				Height of Base (feet).	State of Ground.	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.		Day 7h-18h mm.	Night 18h-7h mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
																														0-12	0-6	0-10		0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10



AIR  
MINISTRY.THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.SECRET  
BRITISH SECTION  
Friday 15th August, 1941.  
No. 29,121.

OBSERVATIONS at 13h. G.M.T. 14th August														OBSERVATIONS at 18h. G.M.T. 14th August														PAST 24 HOURS.								
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	° Humid.	Visiblity. 0-9	Cloud.					Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	° Humid.	Visiblity. 0-9	Cloud.					State of Ground. 0-9	Sea. 0-9	WEATHER.						
				Dir.	Force.					Low.	Med.	High.	Low 0-10	Total 0-10			Height of Base (feet)	Low.					Med.	High.	Low 0-10	Total 0-10	Height of Base (feet)			Form.	Amount.	Height of Base (feet)	7h.—13h. 14th	13h.—18h. 14th	18h.—14th 15th	1h.—7h. 15th
1	London (Kew)...	1009.6	-4	WS	3	C	65	55	8	8	7	1	4.6	9+	2500	1008.5	-10	WSW	2	C	65	55	8	8	2	7	10	2500	1	*	ccy	ccy	becm	crd.d.cm		
	Croydon ...	1009.7	-2	WSW	2	C	66	55	8	1	4	6	7.8	9	1500	1008.7	-8	WSW	2	C	65	55	8	1	-	8	2.3	9+	3500	1	*	c	ccy	ccy	crd.d.cm	
	S. Farnborough	1009.7	-2	WSW	3	C	68	55	9	1	3	9	4.6	9	2500	1008.6	-12	WSW	1	C	65	55	8	7	7	8	2.3	9+	3500	1	*	c	ccy	ccy	crd.d.cm	
	Boscombe Down	1010.5	-2	WSW	3	C	65	55	8	2	3	8	4.6	7.8	3500	1008.9	-14	WSW	1	C	62	55	8	8	7	8	2.3	9+	3500	1	*	c	ccy	ccy	crd.d.cm	
	Thorney Island	1010.4	-4	WS	3	bc	67	55	8	1	3	-	4.6	4.6	2500	1009.1	-10	WS	2	C	61	55	8	4	7	-	2.3	9+	2500	0	*	c	ccy	ccy	crd.d.cm	
	Lympne ...	1010.9	-4	WS	2	C	65	55	8	1	7	8	4.6	9+	3500	1009.6	-4	WS	1	C	61	55	8	2	3	5	1	4.6	3500	1	*	c	ccy	ccy	crd.d.cm	
	Manston ...	1009.7	0	WS	2	C	65	55	8	2	3	9	7.8	9+	2500	1009.0	-6	WS	1	C	63	55	8	8	3	6	7.8	9+	2500	1	*	c	ccy	ccy	crd.d.cm	
2	Shoeburyness ...	1009.8	-4	WSW	2	C	66	55	7	8	7	-	2.3	9+	2500	1009.1	-8	-	0	C	66	55	8	7	2	6	2.3	9+	4000	1	*	ccy	ccy	ccy	crd.d.cm	
	Felixstowe ...	1008.6	+6	WSW	1	C	65	55	8	1	6	6	2.3	7.8	3500	1008.3	-6	-	0	C	65	55	8	4	7	6	2.3	9+	3500	1	*	c	ccy	ccy	crd.d.cm	
	Gorleston ...	1008.6	+16	WSW	2	C	65	55	7	2	-	-	7.8	7.8	2500	1009.2	+2	WSW	2	C	64	55	7	2	-	-	7.8	7.8	3500	0	2	ccy	ccy	ccy	crd.d.cm	
	Mildenhall ...	1008.4	+4	WS	1	C	63	55	8	8	7	-	9	9+	3500	1008.4	-2	WSW	2	C	64	55	8	1	6	5	7.8	7.8	4000	0	*	c	ccy	ccy	crd.d.cm	
	Cranwell ...	1007.9	-6	WS	3	bc	62	55	7	7	7	-	2.3	2.3	2500	1008.0	-2	WS	3	C	61	55	7	-	7	-	9+	-	-	0	*	c	ccy	ccy	crd.d.cm	
3	Birmingham	1008.9	0	WS	3	C	63	45	8	8	-	-	7.8	7.8	2500	1008.0	-4	WSW	2	C	65	45	8	8	-	-	4.6	4.6	4000	1	*	c	ccy	ccy	crd.d.cm	
4	Upper Heyford	1009.2	-2	WS	3	C	63	55	8	7	7	6	7.8	7.8	3500	1008.2	-6	WS	2	C	64	55	8	8	-	-	2.3	9	3500	0	*	c	ccy	ccy	crd.d.cm	
	Ross-on-Wye ...	1009.4	-4	WS	3	C	63	55	8	7	3	6	4.6	9	4000	1008.1	-12	WSW	3	C	64	55	7	8	3	9	4.6	7.8	4000	0	*	c	ccy	ccy	crd.d.cm	
5	Hartland Point	1010.3	-6	WSW	2	C	62	75	8	5	6	-	4.6	7.8	2500	1008.9	-8	WSW	3	C	59	85	8	2	1	-	2.3	7.8	2500	0	3	c	ccy	ccy	crd.d.cm	
	Bristol ...	1010.3	-6	WS	3	C	63	75	8	2	7	9	4.6	7.8	3500	1009.0	-10	WS	2	C	63	65	8	2	1	9	7.8	7.8	3500	1	*	c	ccy	ccy	crd.d.cm	
	Portland Bill ...	1011.0	-2	WSW	4	C	60	85	8	1	8	-	4.6	9+	2500	1009.7	-6	WS	4	C	58	92	8	5	-	-	10	10	2500	1	3	c	ccy	ccy	crd.d.cm	
	Plymouth ...	1011.3	-6	WSW	3	C	59	85	8	5	7	-	7.8	9	4000	1009.7	-10	WS	1	C	57	85	8	5	1	-	7.8	10	3500	0	2	c	ccy	ccy	crd.d.cm	
	The Lizard ...	1011.6	-4	-	0	C	57	92	8	8	2	-	7.8	10	1200	1009.4	-12	-	0	C	57	92	8	8	2	-	7.8	10	1500	1	3	c	ccy	ccy	crd.d.cm	
	Soilly (St. Mary's)	1011.7	-4	HE	1	C	58	92	6	6	-	-	10	10	400	1009.2	-16	HE	1	C	57	97	2	-	-	-	10	10	450	3	2	c	ccy	ccy	crd.d.cm	
	Guernsey ...	1011.7	-4	HE	1	C	58	92	6	6	-	-	10	10	400	1009.2	-16	HE	1	C	57	97	2	-	-	-	10	10	450	3	2	c	ccy	ccy	crd.d.cm	
6	Pembroke ...	1011.0	+4	N	3	bc	59	85	8	2	1	1	2.3	4.6	3500	1007.1	-6	SWW	2	C	59	85	8	2	1	1	2.3	4.6	4500	0	3	c	ccy	ccy	crd.d.cm	
7	Holyhead (Valley)	1008.5	+2	WS	1	C	61	75	8	8	3	-	7.8	9	3500	1007.4	-12	WSW	1	C	59	85	8	2	6	-	1	2.3	3500	0	2	c	ccy	ccy	crd.d.cm	
	Chester (Sealand)	1008.3	+6	WSW	3	C	60	75	8	8	-	-	9+	9+	2500	1007.8	-6	WSW	3	C	60	65	8	8	-	-	7.8	7.8	5700	0	*	c	ccy	ccy	crd.d.cm	
8	Manchester ...	1008.1	+6	WS	1	C/pr	60	75	8	8	-	-	9+	9+	2500	1007.9	-2	WSW	3	C	59	75	8	8	-	-	1	9	2500	0	*	c	ccy	ccy	crd.d.cm	
10	Spurn Head ...	1006.2	+8	WSW	1	bc	63	65	7	1	1	2	4.6	4.6	4000	1006.9	+4	WSW	1	C	62	75	6	5	6	-	7.8	9	4000	0	3	c	ccy	ccy	crd.d.cm	
	Catterick ...	1005.8	+6	WSW	3	C	63	55	9	8	6	-	7.8	9	3200	1006.7	+2	WSW	2	C	62	65	9	5	3	-	1	9	2800	0	*	c	ccy	ccy	crd.d.cm	
	Tynemouth ...	1004.7	+12	WS	5	bc	60	65	8	2	-	-	4.6	4.6	3200	1005.5	+4	WS	3	C	62	65	8	8	-	-	9	9	3200	1	2	c	ccy	ccy	crd.d.cm	
11	St. Abbe Head	1003.9	+16	NW	2	bc	59	75	8	4	1	8	2.3	2.3	2500	1004.0	0	SSE	2	C	59	65	8	4	1	-	4.6	4.6	2500	0	2	c	ccy	ccy	crd.d.cm	
	Leuchars ...	1002.8	+6	WSW	3	bc	65	45	9	2	-	-	2.3	2.3	3500	1003.2	+2	WS	2	C	63	65	9	8	1	8	4.6	7.8	3500	0	*	c	ccy	ccy	crd.d.cm	
12	Rentrow (Abbots L.)	1001.9	+2	WS	3	C	61	65	9	8	1	-	7.8	7.8	2500	1005.3	+2	WSW	2	C	58	75	9	8	7	-	7.8	7.8	1800	0	*	c	ccy	ccy	crd.d.cm	
	Eskdalemuir ...	1004.3	+4	WSW	1	bc	60	65	8	8	-	-	4.6	4.6	2500	1005.1	0	WSW	3	C	56	75	8	5	-	-	4.6	7.8	1500	1	*	c	ccy	ccy	crd.d.cm	
	Point of Ayre ...	1006.7	0	WSW	1	C	61	75	8	8	7	-	4.6	9+	2500	1006.8	-2	WSW	3	C	58	85	8	4	3	-	4.6	9	3500	0	3	c	ccy	ccy	crd.d.cm	
13a	Tiree ...	1005.3	0	WSW	2	bc	59	75	8	7	3	-	4.6	4.6	2500	1005.4	0	WSW	2	C	55	85	8	5	-	-	9	9	2100	0	3	c	ccy	ccy	crd.d.cm	
13b	Stornoway ...	1003.6	+2	WSW	2	C	60	65	8	8	7	-	7.8	9+	1500	1004.4	+4	SSE	1	RR	51	92	6	8	7	-	9	10	500	1	1	c	ccy	ccy	crd.d.cm	
15	Dalwhinnie ...	1004.3	+6	N	2	C	56	65	8	8	-	-	9	9	2500	1004.4	0	SW	2	C	55	65	8	5	-	-	9	9	2500	0	*	c	ccy	ccy	crd.d.cm	
	Aberdeen ...	1002.6	+16	WSW	1	bc	61	65	8	1	7	-	4.6	4.6	2500	1003.8	+4	SSE	2	C/pr	58	75	8	8	-	-	9	9	2800	1	2	c	ccy	ccy	crd.d.cm	
	Wick ...	1002.5	+6	NW	1	C	60	75	9	2	6	8	4.6	7.8	2500	1003.4	+2	WSW	3	C	56	85	9	2	3	-	1	9	2500	1	*	c	ccy	ccy	crd.d.cm	
16	Sumburgh ...	999.8	+14	WSW	1	C	57	85	8	5	7	-	4.6	9+	4000	1000.8	+2	WSW	2	C	55	85	8	5	7	5	4.6	9	6000	4	*	c	ccy	ccy	crd.d.cm	
17	Blackod Point...	1009.0	-2	WSW	3	C/pr	57	85	8	3	-	-	7.8	7.8	2500	1007.7	-8	WSW	3	C																

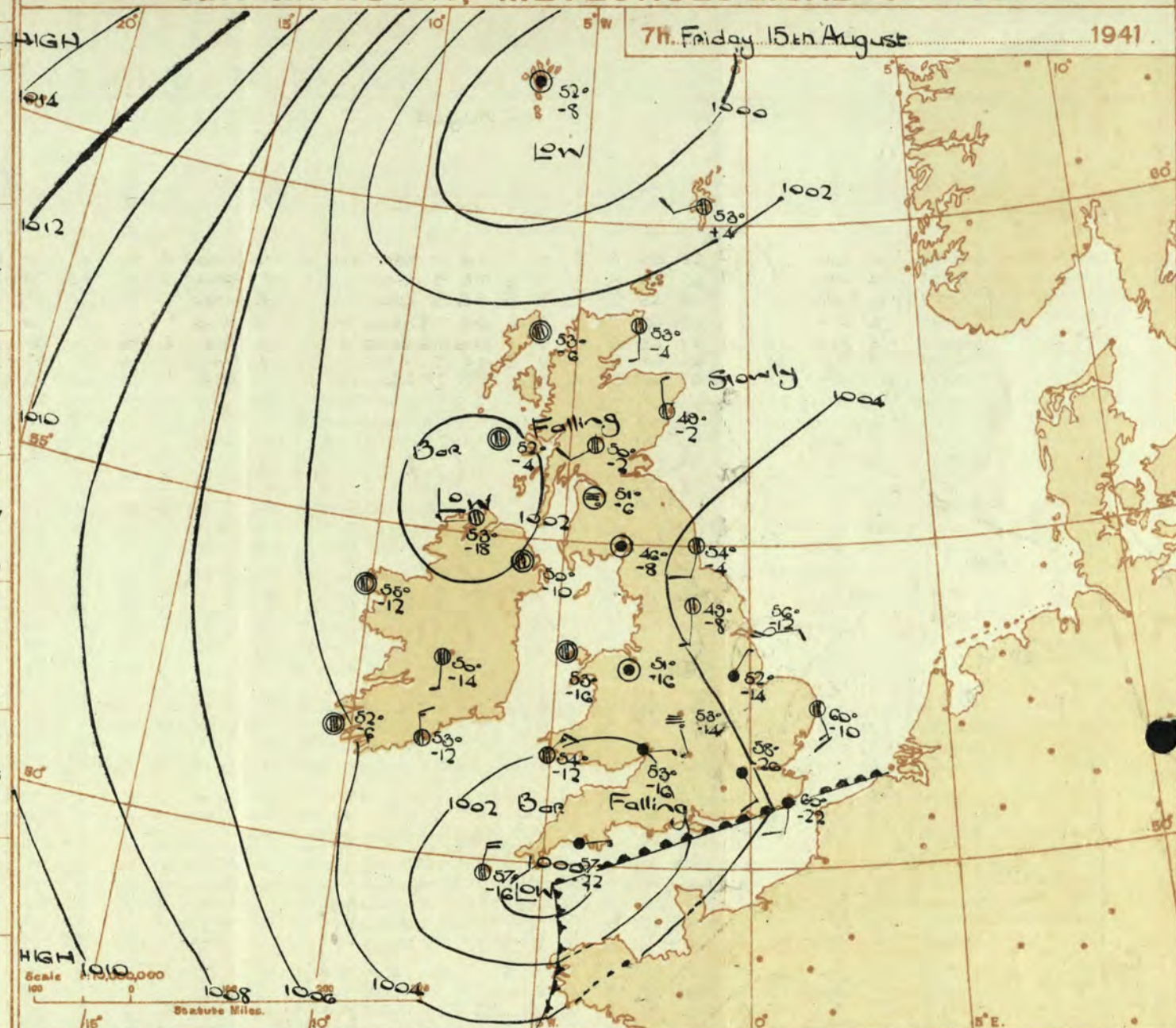


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

1st. G.M.T. 1st. August.								1st. G.M.T. 1st. August.								1st. G.M.T. 1st. August.							
III	C <sub>m</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>m</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>m</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>m</sub>	ww	Vh <sub>N</sub>	DDFWN							
108	87	02844	20325	86	01853	26324	50	05631	22211	8-	05764	19214											
116	67	81944	22387	52	10944	22387	52	81844	20287	52	02844	20286											
203				8-	25936	24426																	
206	86	25065	16187	8-	02865	24287	53	02865	00027	53	02864	22167											
210	83	01053	25425	83	10954	27286	02	51857	00027	87	02865	12157											
220				81	25746	25288																	
230	83	81856	22187	87	25846	28187	5-	02847	00087	53	02856	00067											
245	24	01964	30312	86	01863	04384	53	01862	24184	53	01961	23314											
260	2-	02055	26314	83	81854	22386	50	05662	24212	54	02766	24117											
278							5-	22868	12268	5-	02877	12227											
279	83	02055	21416	83	02864	21486				73	05655	04187											
285				23	02745	24586				13	01743	02114											
288	24	02856	58417	8-	02867	21317	03	02790	18227	04	01850	18124											
575	87	25844	28385	83	01854	26314	5-	02867	26127														
301							40	00751	26311	57	08463	00046											
321	50	01754	25414				03	08490	20102	05	05530	03126											
299	17	01854	24314	5-	02756	23226	5-	05654	23214	57	05653	00014											
292	7-	02756	24316	5-	02857	23227	53	01763	16114	57	41465	00047											
310																							
614	27	05655	73387	5-	05667	22127	5-	05647	00017	5-	05567	04217											
333							03	01790	00014	57	02974	00067											
334	--	03746	20328							--	03537	04228											
340	8-	02055	22327	83	01953	01224	53	05652	00014	57	62545	28168											
136	16	01754	22514	13	02862	24316	00	05690	00010	97	05631	12217											
336	14	01862	24413	14	01862	24313				52	22642	24368											
350	73	02854	20326	70	02864	22125	03	01790	00005	02	62538	08268											
368	83	02063	23427	27	02961	24223																	
379	23	01854	24315	10	02863	20226	03	05690	00014	57	41405	08267											
390	15	02765	23316	17	02762	24127	57	05663	18127	5-	51668	10368											
382				23	02861	22226	53	05665	00017	5-	62538	04168											
438	5-	02755	26315							--	67109	22569											
430	23	02864	24325	22	02861	18217	5-	22648	00068	6-	67308	18368											
409	5-	02854	21226	57	02845	31127	57	02646	04228	5-	62648	02268											

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.  
ww, W = Present and past weather—See M.O. 252.  
h, N<sub>h</sub> = Height and amount of low cloud—See M.O. 252.  
N = Total amount of cloud—See M.O. 252.  
C, C<sub>m</sub> = Form of low and medium cloud—See page 1.  
V = Visibility. F = Force of wind—See page 4.  
DD = Direction of wind (E, SE, S, SW, W, NW, N, NE).

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 15th August
1 S.E. England	Wind south veering west light to fresh; cloudy, rain at times, perhaps local thunder, improving tomorrow; day temperature below average but close.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind northeast backing northwest light to fresh; cloudy, rain at times, some improvement later; cool.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Light variable wind; variable cloud, local rain and thunder; rather cool.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	
13B. N.W. Scotland	
14* Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	Light variable to northwest winds; local thundery showers; some bright intervals; rather cool.
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

**BAROMETER.** Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.

**BAROMETRIC CHANGE** from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

**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 1.)

**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.

**GENERAL INFERENCE.**

A rather flat low pressure system covers the northern parts of the British Isles, while a more vigorous depression centred just south of Cornwall is moving northeastwards. This latter depression will cause general rain today over the greater part of England, but with improving conditions later. Elsewhere there will be local rain of a thundery nature. Temperatures will be generally rather below average.

**FURTHER OUTLOOK.**

Unsettled

Forecasts issued at 10.30 G.M.T.

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

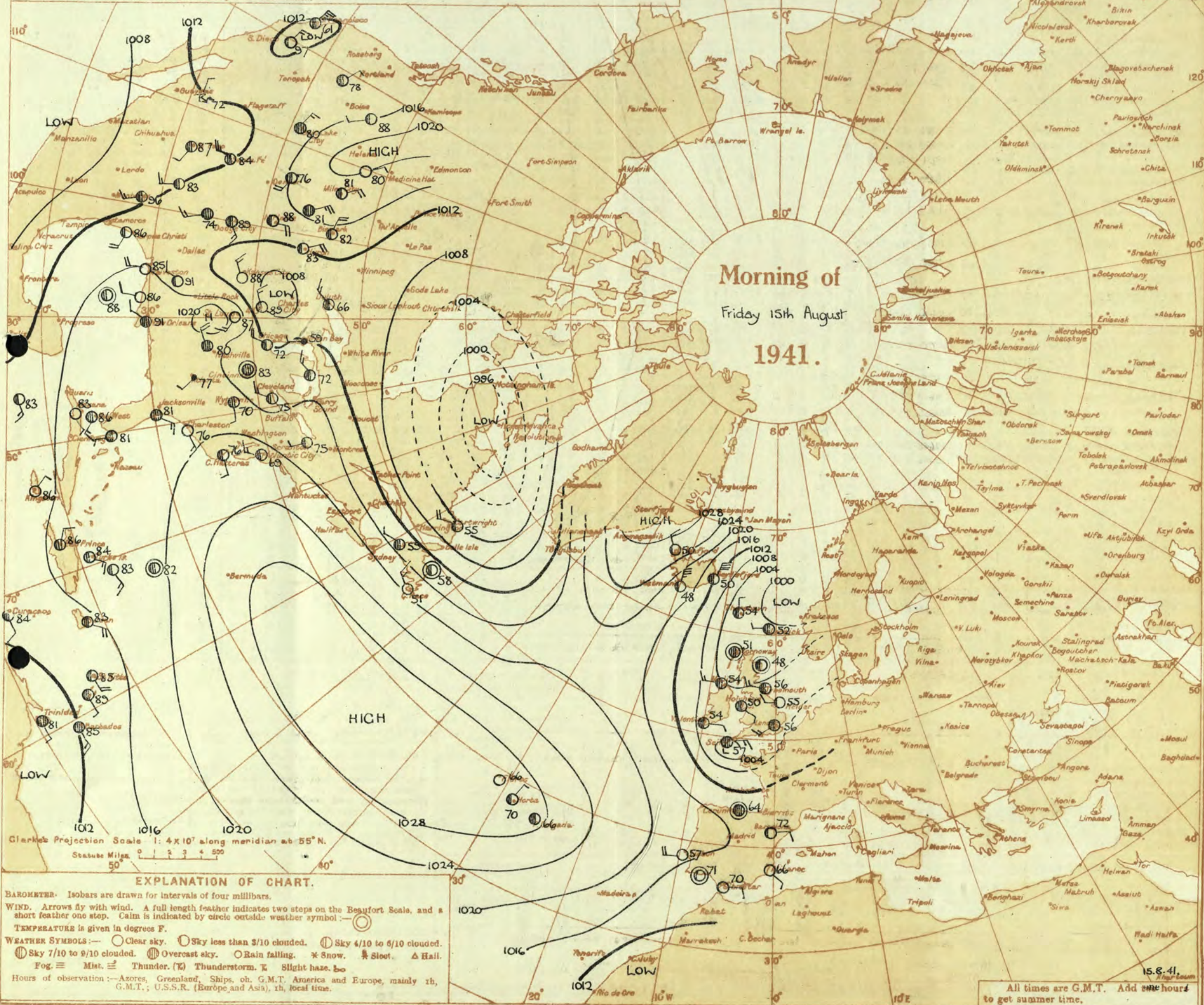
H.M.S.O. Press, Meteorological Office, Dunstable.



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Friday, 15th August, 1941.  
 No. 22121

OBSERVATIONS at 1 hr. G.M.T. 15th August															OBSERVATIONS at 7 hr. G.M.T. 15th August															PAST 24 HOURS.									
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visiblity. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visiblity. (22)	Cloud.					State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		SUNSHINE Hrs. (36)			
					Direc.	Force.					Form.	Amount.	Height of Base. (feet) (14)	Direc.	Force.			Form.	Amount.					Height of Base. (feet) (28)	Max. Day 7h-15h °F. (31)	Min. Night 15h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-15h mm. (34)			Night 15h-7h mm. (35)								
																																Low.	Med.	High.	Low.		Med.	High.	Low.
1	London (Kew) ... 18 Croydon ... 217 S. Farnborough ... 226 Boscombe Down ... 417 Thorney Island ... 10 Lympe ... 346 Manston ... 154	1007.3 1006.7 1006.8 1006.7 1009.2 1007.6	-12 -14 -14 -16 -14 -10	SSW SSE SE SE SSW SW	3 1 2 2 1 1	c c c/r c c z.	56 55 54 57 56 57	92 92 92 92 92 92	7 7 7 7 7 6	5 5 5 5 5 5	7 - - - - -	4-6 9 9 2-3 0 2-3	9 9 9 1500 9 5000	1002.3 1002.5 1001.6 1001.7 1001.9 1005.4 1003.6	-22 -26 -26 -18 -22 -14 -18	ESE SE E E WSW SW SSE	3 2 2 2 3 2 2	d.d. d.d. d.d. ir ir dF rf.	59 57 57 62 60 60 60	97 97 97 97 97 97 97	5 6 5 5 5 1 4	5 5 - - - - -	10 7-8 10 10 10 10 10	1500 500 400 200 450 4150 200	1 1 1 1 1 1 1	*	*	*	*	*	*	*	*	67 60 70 66 68 67 66	55 55 55 54 56 55 55	49 54 49 50 54 50 51	- - - - Tr - -	1 2 2 3 Tr 4 2	5.0 6.6 5.7 3.2 * 4.4 5.1
2	Shoeburyness ... 11 Felixstowe ... 15 Gorleston ... 5 Mildenhall ... 19 Cranwell ... 240	1007.2 1008.2 1006.8 1007.4	-10 -12 -10 -10	SW's - SE -	1 0 2 0	z. bc z. z.	60 58 50 47	92 88 97 92	6 6 6 6	- - - -	7 8 3 3	0 2-3 4-6 4-6	- - - -	1004.5 1005.2 1005.6 1003.7 1004.2	-18 -10 -4 -14 -14	ESE SE/E SE SE/E NE	3 4 3 3 1	d.d. dd c ir. ir.	59 58 60 57 52	97 92 88 97 92	5 5 7 6 6	5 5 8 5 5	- - 3 7 3	10 10 4-6 10 7-8	800 800 2500 700 4000	1 1 1 0 1	*	*	*	*	*	*	*	70 68 66 66 63	56 58 55 48 47	52 52 53 43 42	0.1 - - - Tr	1 - - Tr Tr	4.4 6.5 * 6.8 3.9
3	Birmingham ... 535 Upper Heyford ... 408	1007.0	-8	-	0	z.	51	97	6	-	7	0	2-3	-	1002.9	-14	SE	1	m	53	85	4	5	-	-	10	10	1500	1	*	65	52	47	-	-	7.0			
4	Ross-on-Wye ... 223		*	*	*	z.	*	*	*	*	*	*	*	*	1002.2	-16	E 1/2 S	1	rf.	53	92	4	6	2	-	7-8	10	800	1	*	67	50	45	Tr	4	*			
5	Hartland Point ... 299 Bristol ... 209 Portland Bill ... 32 Plymouth ... 82 The Lizard ... 240 Scilly (St. Mary's) ... 163 Guernsey ... 175	1005.1 1006.3 1006.6 1005.4 1004.4 1004.3	-22 -18 -16 -24 -28 -22	NE - W - ENE ENE	2 0 3 0 4 3	e z. c rf. dd c/r	57 56 58 54 54 57	85 92 92 92 97 97	8 6 7 5 5 7	6 5 5 5 5 5	- - - 2 - -	9 10 10 7 10 10	2500 3500 2500 600 1000 1500	1000.4 1002.1 1002.1 1001.0 1000.4 1000.1	-22 -18 -18 -22 -20 -16	ENE E S S E 1/2 N NNE	3 2 3 1 3 4	c c c df d.d. m/d c	56 55 59 57 57 58 57	85 92 92 92 97 97 97	8 7 7 3 5 4	8 5 5 5 5 5	2 2 2 - - 2	7-8 4-6 10 10 10 7-8	1400 1200 1500 200 1300 1000	0 1 1 1 1 1	3 1 4 2 3 2	63 65 62 62 60 61	55 54 58 58 54 54	54 49 - - 52 *	- - - - 1 1	- 1 1 5 4 2	4.6 4.2 * 1.1 0.0 0.2						
6	Pembroke ... 142	1006.0	-8	NE/E	2	c	53	97	7	8	2	-	4-6	9	2500	1001.7	-12	NE/E	3	c	54	92	8	5	2	-	7-8	9	2500	1	2	60	52	*	-	1	9.1		
7	Holyhead (Valley) ... 26	1005.4	-12	ESE	2	c	50	97	8	5	3	-	4-6	7-8	4000	1002.1	-16	-	0	c	53	85	9	5	7	-	2-3	9	3000	0	1	63	49	46	-	-	*		
8	Chester (Sealand) ... 16	1006.7	-8	-	0	m	48	92	4	5	3	-	4-6	7-8	3000	1003.2	-16	-	0	rf.	51	92	3	2	-	-	10	10	2500	1	*	62	48	43	Tr	2	*		
10	Spurn Head ... 29 Catterick ... 175 Tynemouth ... 108	1007.1 1006.2 1005.8	-2 -6 0	WSW S W	2 1 3	bc z. c	55 53 56	85 85 75	6 6 7	- 5 8	6 - -	0 9 7-8	2-3 9 7-8	- 3500 2500	1004.6 1004.7 1005.2	-12 -8 -4	E SSE SSW	2 1 2	z. bc/f c	56 49 54	85 97 85	6 5 6	5 - 8	6 9 3	- 0 -	4-6 0 7-8	7-8 4-6 2800	4000 - 2800	0 0 1	2 * 2	65 65 65	54 45 52	*	- - 48	- - Tr	- 7.6 *			
11	St. Abbs Head ... 280	1004.7	0	S	2	bc	51	92	8	4	4	-	4-6	4-6	2500	1003.6	-4	N	1	c	57	55	9	4	4	5	2-3	7-8	2500	0	1	63	49	*	-	-	*		
12	Leuchars ... 36 Renfrew (Abbots L.) ... 19 Eskdalemuir ... 794 Point of Ayre ... 30	1004.0 1005.3 * 1005.5	+4 +2 * *	WSW - * W	3 0 * 1	bc b * rf.	50 47 * 53	92 92 * 97	8 8 * 8	5 5 * 9	- - * 7	2-3 Tr * 4-6	2-3 1 9	3500 2500 * 2500	1002.8 1003.9 1003.8 1003.2	-4 -6 -8 -12	SW - - -	2 0 0 0	bc m ir. c	57 51 46 54	85 97 97 97	9 4 7 8	4 5 5 8	5 5 - -	5 3 - -	Tr 7-8 7-8 9	4600 800 1500 5000	0 0 1 1	0 * 1 0	67 63 66 63	45 44 41 50	41 35 33 *	- Tr Tr -	- Tr Tr 1	0.5 6.8 10.3 2.0				
13A	Tiree ... 22	1004.2	-4	-	0	c	50	92	8	-	2	-	2	9	2100	1002.0	-4	-	0	c	52	97	7	5	-	-	7-8	7-8	2000	1	2	60	50	*	-	6	2.9		
13B	Stornoway ... 80	1003.8	-4	-	0	c	51	97	7	5	7	-	4-6	10	2000	1002.5	-6	-	0	c	53	97	8	5	7	3	7-8	9	2500	1	1	61	51	*	12	6	4.0		
15	Dalwhinnie ... 1178 Aberdeen ... 79 Wick ... 119	* * 1003.9	* * -2	* * WSW	* * 1	* * bc	* * 50	* * 92	* * 8	* * 5	* * -	* * -1-6	* * 4-6	* * 4000	1002.5 1002.8 1002.8	-6 -2 -4	- SW NNW	- 2 1	- c bc	- 50 49	- 85 97	- 8 8	- 5 7	- - -	- 9 9	- 1500 5700	- 1 1	- 1 *	- 50 62	- 45 48	- 31 43	- 0.4 *	- 0.5 *	- 4.8 *					
16	Sumburgh ... 30	1001.9	+2	W/N	2	c	53	92	8	5	7	-	7-8	9	800	1002.1	+4	WSW	2	bc	53	92	8	5	-	-	2-3	2-3	4000	4	*	*	*	*	*	*	*		
17	Blacksod Point ... 18	1006.1	-8	W/N	2	bc	53	92	8	3	-	-	4-6	4-6	2500	1003.3	-12	-	0	c	55	92	8	3	-	-	7-8	7-8	1500	1	1	60	51	*	0.5	1	*		
18	Malin Head ... 84 Aldergrove ... 288	1004.0 1005.8	-10 -8	W S/E	3 1	c/pr c/pr	54 51	92 97	7 8	3 5	- -	- -7-8	9 7-8	1500 2000	1000.8 1003.6	-18 -10	W -	1 0	c/pr c/f	53 50	97 97	8 6	3 3	- 3	- -	9 4-6	9 900	2500 900	1 1	4 0	59 61	51 46	41 41	0.4 0.1	Tr 3	7.2 2.6			
19	Birr Castle ... 173	1006.0	-8	N	1	bc	49	97	8	-	3	-	0	2-3	-	1003.8	-14	S	1	c	50	97	7	5	-	-	10	10	2500	0	*	64	48	40	-	-	2.5		
20	Valentia Obay. ... 30 Roches Point ... 22	1006.6 1005.7	-12 -12	ENE N/W	1 3	bc pr	54 56	85 85	8 8	8 3	- -	- -9	4-6 9	4000 1500	1004.1 1002.5	-6 -12	- N/W	0 3	c c	52 53	92 85	9 8	8 7	- -	- -	9 9	9 2500 2500	1 0	1 3	61 64	50 52	44 *	- -	0.2 0.2	9.1 *				
LONDON OBSERVATIONS			Height above M.S.L. in feet.	Weather			Temperature.			Rainfall.		Sun-shine to Sunset. hrs.	Humidity.			Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.	EXPLANATION OF FIGURES, LETTERS, etc.																						
Day 7h-18h, Kew & Croydon.				Morning.	Afternoon.	Night.	Day Max.	Night Min.	Min. on Grass °F.	Day.	Night.		15h. G.M.T. %	9h. G.M.T. %	Visiblity %																								
9h-18h, Kensington.																																							
9h-21h, other stations except for rainfall which is 9h-18h.			24 hrs. ended 9h.															Yesterday.				To-day.				24 hrs. ended 7h. G.M.T. 15th.													
Kew ... 18			c	c	b	67	55	49	-	1	5.0	*	*	5	SOUTH KENSINGTON.				Max. Time. Min. Time.				COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.				COLUMNS 8, 22 - Code for surface visibility.												
CROYDON ... 217			e	c	c	69	55	54	-	2	6.6	*	*	5	Max. Time. Min. Time.				COLUMNS 4, 18. THE BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.				Objects not visible at 55 yards.																
GREENWICH (Royal Observatory) ... 149			b	c	c	69	54	50	-	1	5.3	5																											



NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

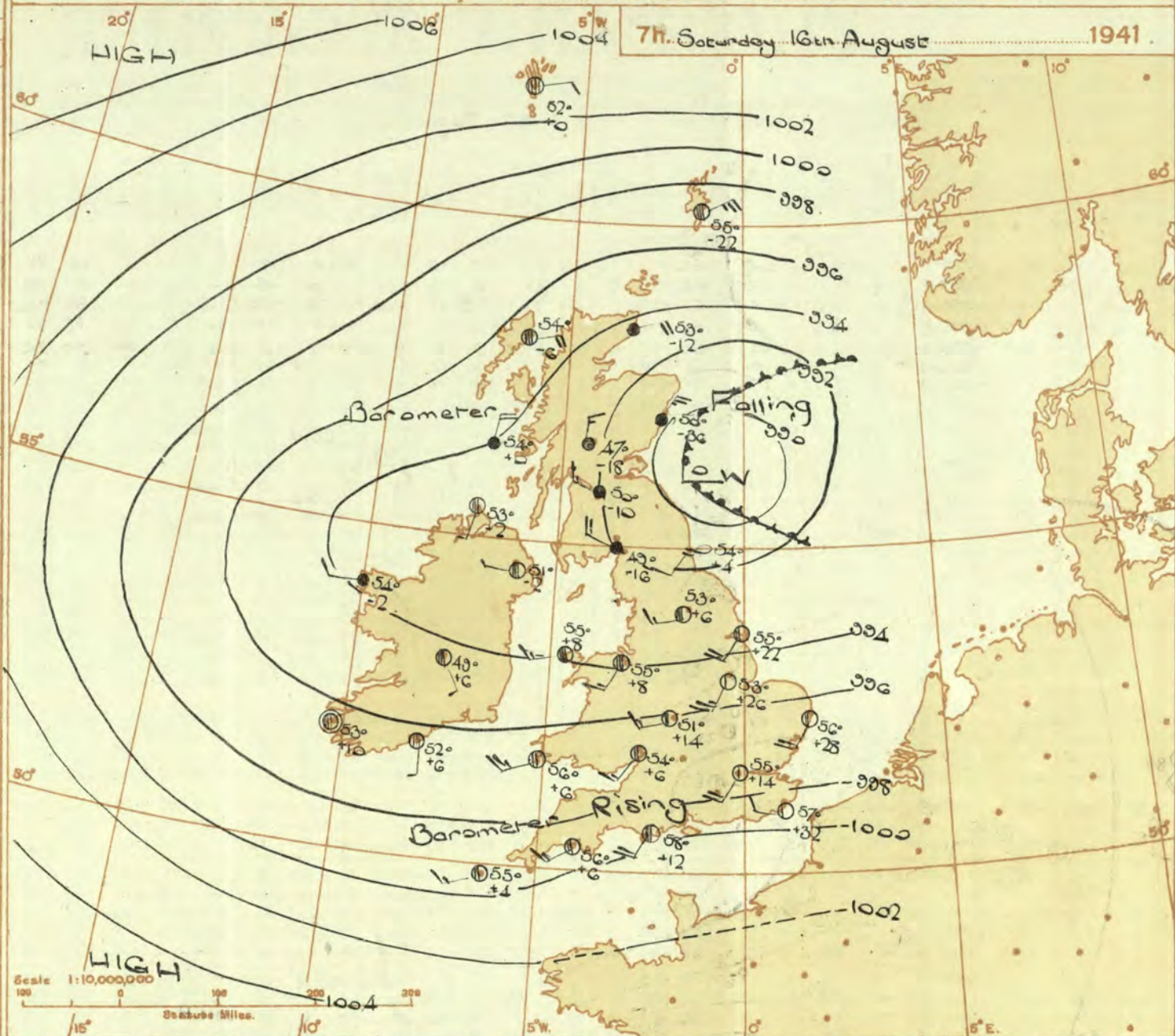


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 5th August 1941				15h. G.M.T.				01h. G.M.T. 16th August 1941				07h. G.M.T.			
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>L</sub>	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>L</sub>	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>L</sub>	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN
109	8-	02074	13224	5-	02637	10827	5-	03628	09418	52	62735	05568			
115	54	81944	12385	54	81344	10385	54	02844	08385	52	81735	08488			
203	8-	00934	00014												
206	84	01764	08384	83	10765	08385	57	02854	08226	52	64744	06568			
210	84	25053	05384	84	81854	12386	5-	02748	00018	62	62745	04468			
220	84	82745	22184												
230	83	02044	22285	8-	64857	00067	52	02745	00068	52	64745	00068			
245	23	01052	14413	57	02932	12317	52	64548	04568	52	54658	35568			
260	8-	82844	04187	57	05555	04188	5-	08448	06268						
278	9-	02855	28286				5-	62748	04368	82	64764	25368			
279	87	25756	00087	62	64537	31168				5-	64538	24368			
285				6-	63638	08468									
288	--	81558	02288	5-	62548	07368	5-	05538	00068	57	02845	20427			
575	87	10854	20115	87	02854	00085	5-	00852	30112	87	02847	00027			
301	02	62648	02268	52	62444	00068	62	62436	00068	9-	82636	26388			
321	57	22644	04368	5-	03528	02168	--	44109	00043	53	05644	18415			
299	6-	05548	08328				5-	05547	20327	5-	05645	22415			
292	87	02855	08328	52	58636	04268	2-	46309	27159	57	02944	22356			
310	--	51438	08558	--	57209	08559				--	01655	26415			
614	52	53425	06258	97	22644	00068	5-	08448	26288	53	05654	20314			
333	82	02866	30268	62	64635	30268	5-	02655	23365	83	02843	22326			
334	--	05547	28128	--	66337	20168				--	64637	24638			
340	5-	21548	02168	02	64328	26268	62	61445	24258	50	01964	20314			
136	62	62625	10368	82	02845	18368	5-	02745	18467	54	01722	20512			
336	52	62653	24368							14	01762	20414			
360	62	62417	12268	87	51735	16467	52	61645	20368	54	01733	18363			
368	52	62646	03268	52	25644	28288									
379	--	67209	01869	9-	02847	16328	50	01641	20314	53	22843	18464			
390	62	64636	14368	87	02745	17328	5-	22645	18367	5-	01743	20423			
382	52	61736	16468	74	02855	18457	00	01790	22324	84	01942	19413			
438	--	67000	22668												
430	6-	63618	22368	67	22725	20368	80	25753	20483	80	01853	22313			
400	51	22638	31368	5-	02966	29366	44	00742	20383	53	02865	17326			

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.

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

1 S.E. England	Moderate or fresh southwest or west wind; bright intervals and showers with local thunder; cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	Moderate northeast to variable wind, finally westerly, moderate to fresh; general rain at first; showers and bright intervals later; cool.
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	As 1-13A
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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  
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.

GENERAL INFERENCE.

A depression centred off the east coast of Scotland will move north-northwest. There will be showers and bright intervals in most districts with some local thunder, but there will be more general rain in the North at first. Temperature will be below normal in all districts.

FURTHER OUTLOOK.

Showery type persisting with some local thunder

Forecasts issued at 10.30 G.M.T.  
H.M.S.O. Press, Meteorological Office, Dunstable.

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

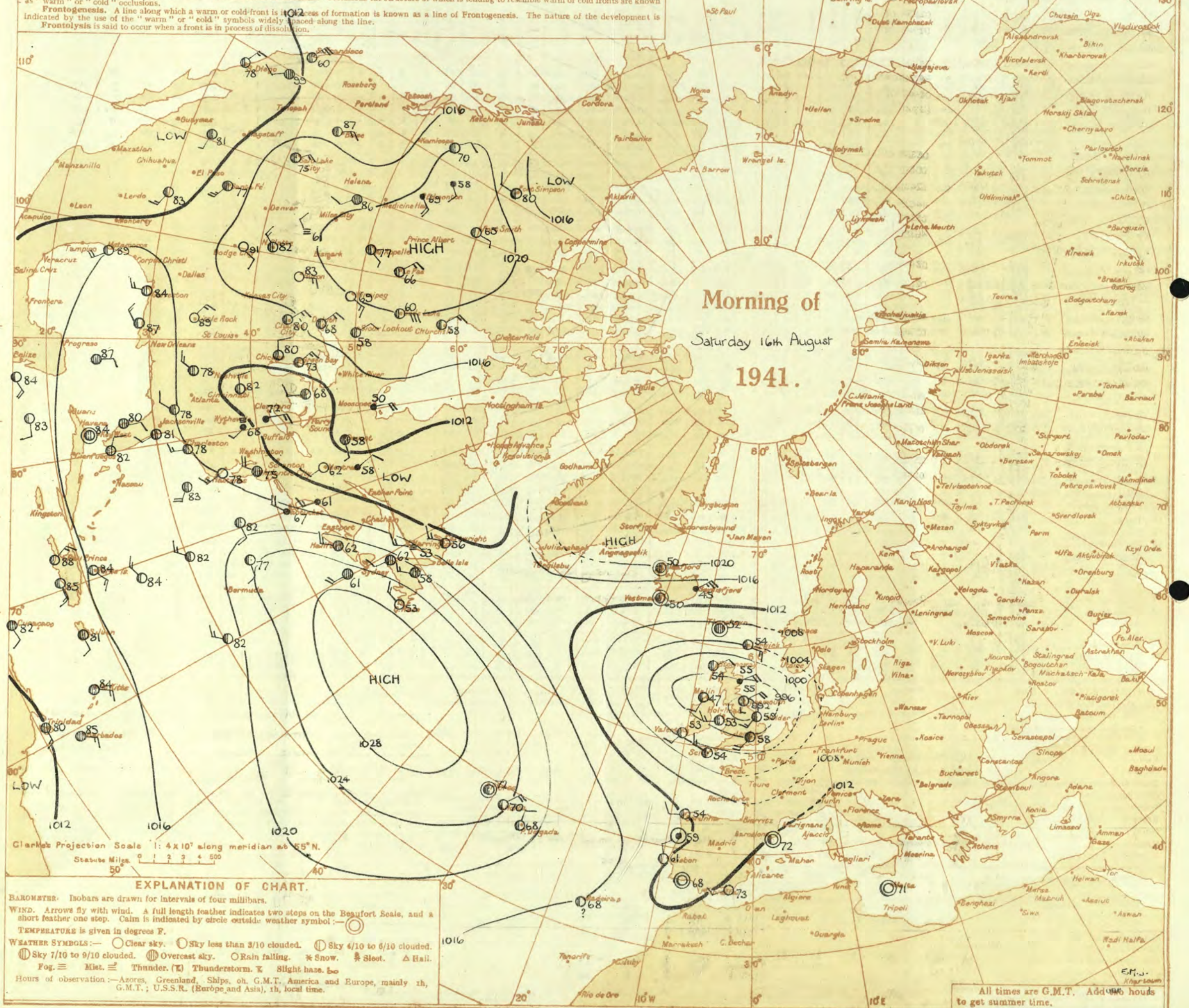
4-263/4120. No. 976. D. 8034. 6p. 340 3500 3/41



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Saturday 16th August 1941.  
 No. 22122.

OBSERVATIONS at 1 hr. G.M.T.														OBSERVATIONS at 7 hr. G.M.T.														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (30)	Sea. 0-9 (31)	TEMPERATURE.			RAINFALL.			SUN- SHINE In. (36)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
					Direc.	Force. 0-12 (4)				Low.	Med.	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of Base. (feet) (14)	Direc.				Force 0-12 (18)	Low.	Med.	High (26)	Low 0-10 (27)			Total 0-10 (28)	Height of Base (feet) (29)	Max. Day 7h-18h °F. (32)	Min. Night 18h-7h °F. (33)	Min. on Glass °F. (34)	Day 7h-18h mm. (35)		Night 18h-7h mm. (36)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						



AIR  
MINISTRY.THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.SECRET  
Sunday 17th August 1941.  
No. 23,123.

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

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

PAST 24 HOURS.

Direction.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1) mb.	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. (15) mb.	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility. 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.										
				Direc. (3)	Force. 0-12 (4)					Form. (9)	Med. (10)	Height (11)	Form. (23)			Med. (24)	Height (25)					Form. (23)	Med. (24)	Height (25)	7h.-13h. ...16h... (37)			13h.-18h. ...16h... (38)	18h.-16h to 1h.-17h. (39)	1h.-7h. ...17h... (40)								
																															Low. (12)	Total 0-10 (13)	Low (12)	Total 0-10 (13)	Low (23)	Total 0-10 (26)	Low (23)	Total 0-10 (26)
1	London (Kew)...	1002.1	0	SSW	4	c	62	65	8	5	4	-	7-8	7-8	2500	1002.4	-2	SSW	4	b	62	65	8	5	4	-	4-6	4-6	2500	1	*	bbc	cprbc	bcb	bcb			
	Croydon ...	1002.3	+2	SW	5	c	65	65	9	2	6	3	4-6	7-8	2500	1002.8	+4	SSW	3	b	61	75	9	2	6	4	4-6	4-6	2000	1	*	bbc	bcb	bcb	b			
	S. Farnborough	1002.4	+4	SW	5	b/c/pr	65	65	9	8	6	1	4-6	4-6	2500	1002.6	+2	SW	3	b	60	75	8	3	4	1	2-3	4-6	2500	1	*	bcb	bcb	bcb	bcb			
	Boscombe Down	1001.5	-2	SSW	5	c/pr	61	75	8	8	-	2	7-8	7-8	3000	1002.2	+6	SW	5	b	60	75	8	2	6	3	4-6	4-6	2500	1	*	bcb	bcb	bcb	b			
	Thorney Island	1003.4	+2	SW	4	c	64	75	9	2	-	3	7-8	9	2500	1003.5	+2	SW	4	b	61	75	8	8	1	4	4-6	7-8	2500	1	*	bcb	bcb	bcb	bcb			
	Lympne	1005.4	+10	S	4	c	63	65	8	2	7	-	9	9	2200	1005.6	+4	SE	2	b	59	75	8	1	-	3	1	2-3	3000	1	*	bcb	bcb	bcb	bcb			
	Manston	1003.8	+10	SW	5	c	63	65	8	2	6	-	7-8	7-8	2500	1004.2	+2	SW	4	b	61	75	8	1	6	1	2-3	2-3	2500	1	*	bcb	bcb	bcb	bcb			
2	Shoeburyness ...	1003.7	+2	SSW	4	b	67	65	8	1	-	-	4-6	4-6	4000	1004.0	+2	SW	4	b	62	65	8	1	-	-	1	1	2500	1	*	bcb	bcb	bcb	bcb			
	Felixstowe ...	1002.1	+6	SSW	5	c	65	65	8	2	-	-	7-8	7-8	3500	1002.1	+2	SW	5	b	63	75	8	2	6	-	1	1	2500	1	3	bcb	bcb	bcb	bcb			
	Gorleston ...	1002.3	+12	SW	4	b	65	55	7	2	-	-	4-6	4-6	3000	1002.2	0	S	4	b	64	65	7	8	6	-	2-3	4-6	2800	1	4	bcb	bcb	bcb	bcb			
	Mildenhall ...	1000.8	+8	SW	4	b	66	55	8	6	1	4	4-6	4-6	2500	1001.6	+10	SW	4	b	60	75	9	9	6	-	7-8	9	2000	1	*	bcb	bcb	bcb	bcb			
	Cranwell	1003.5	+10	SW	4	c/pr	57	85	8	8	7	-	7-8	9	1500	1000.0	+6	SW	3	b	55	85	8	9	-	-	9	9	900	1	*	bcb	bcb	bcb	bcb			
3	Birmingham	1000.0	+6	SW	4	c	59	75	8	8	4	-	7-8	7-8	2500	1000.8	+2	W	1	c/pr	55	92	8	9	-	-	9	9	1500	1	*	bcb	bcb	bcb	bcb			
	Upper Heyford	1000.1	+4	SW	4	c	63	55	8	8	3	-	7-8	7-8	2000	1002.4	+2	SW	4	b	53	92	6	5	6	-	7-8	9	1200	1	*	bcb	bcb	bcb	bcb			
4	Ross-on-Wye ...	1000.0	0	SW	3	c/pr	59	85	7	9	-	3	7-8	7-8	2500	1000.0	+4	SW	3	b	57	85	8	8	-	-	3	4-6	7-8	2500	1	*	bcb	bcb	bcb	bcb		
5	Hartland Point	1001.6	+4	SSW	5	b	59	85	8	2	6	3	2-3	4-6	1500	1001.2	-2	SSW	5	c	58	85	8	5	6	6	4-6	9	1500	0	5	bcb	bcb	bcb	bcb			
	Bristol ...	1001.1	+2	SSW	2	TLH	54	85	6	9	-	-	9	9	1000	1001.2	+2	SSW	3	c/pr	59	75	9	3	6	3	4-6	7-8	2200	1	*	bcb	bcb	bcb	bcb			
	Portland Bill ...	1003.0	+4	SW	5	c	60	85	8	2	-	-	9	9	4000	1002.7	-4	SW	5	b	59	92	8	2	-	-	4-6	4-6	4000	1	5	bcb	bcb	bcb	bcb			
	Plymouth	1002.3	-2	SSW	4	b	60	75	8	2	7	3	4-6	4-6	3000	1002.3	+2	SSW	5	c/pr	58	85	8	3	-	3	2-3	7-8	2000	0	4	bcb	bcb	bcb	bcb			
	The Lizard	1002.4	+2	WS	4	c	59	85	8	8	6	-	7-8	7-8	2500	1002.7	+4	W	4	c	57	85	8	8	6	-	7-8	7-8	2500	0	4	bcb	bcb	bcb	bcb			
	Soilly (St. Mary's)	1001.3	+2	WSW	4	b	63	75	8	8	6	3	2-3	4-6	1200	1002.0	+6	WSW	4	c	59	85	8	8	6	3	4-6	9	1200	1	3	bcb	bcb	bcb	bcb			
	Guernsey	1001.3	+2	WSW	4	b	63	75	8	8	6	3	2-3	4-6	1200	1002.0	+6	WSW	4	c	59	85	8	8	6	3	4-6	9	1200	1	3	bcb	bcb	bcb	bcb			
6	Pembroke	1001.2	+2	WSW	4	b	61	85	8	2	6	1	4-6	4-6	2500	1001.4	+4	WS	5	b	58	85	8	2	6	6	4-6	4-6	2500	1	3	bcb	bcb	bcb	bcb			
7	Holyhead (Valley)	1001.4	+8	W	3	b	60	75	9	3	6	3	2-3	2-3	2500	1001.0	-2	SSW	4	b	59	85	9	2	3	2	1	4-6	3000	0	2	bcb	bcb	bcb	bcb			
	Chester (Sealand)	1001.2	+10	WSW	3	c	65	55	9	8	3	3	4-6	7-8	2000	1001.2	+2	WSW	3	c	63	55	9	6	6	6	4-6	7-8	2000	0	*	bcb	bcb	bcb	bcb			
8	Manchester	1001.5	+10	WSW	4	c	59	75	7	8	3	3	7-8	9	2500	1001.7	0	WSW	2	c	61	75	8	7	3	2	4-6	7-8	4000	0	*	bcb	bcb	bcb	bcb			
10	Spurn Head	1001.9	+12	WSW	5	c	63	65	7	2	2	-	4-6	7-8	4000	1001.3	0	SSW	4	b	59	75	7	8	6	-	2-3	4-6	4000	0	4	bcb	bcb	bcb	bcb			
	Catterick	1001.4	+6	SW	3	c	61	55	9	2	6	5	4-6	7-8	2200	1001.7	+8	SW	3	b	60	55	9	1	4	1	1	2-3	3500	1	*	bcb	bcb	bcb	bcb			
	Tynemouth	1001.2	+20	WSW	6	c	60	55	7	2	3	-	4-6	7-8	2800	1001.2	+10	WSW	4	b	60	55	6	2	3	-	4-6	4-6	2800	1	3	bcb	bcb	bcb	bcb			
11	St. Abbs Head	1001.6	+12	W	5	c	54	85	8	5	7	-	7-8	9	1500	1001.2	+8	W	5	c/pr	55	75	9	8	7	-	2-3	9	2000	1	3	bcb	bcb	bcb	bcb			
	Leuchars	1001.4	+6	W	3	c	51	97	8	5	-	-	10	10	1200	1001.7	+14	W	5	c	56	75	9	8	3	-	9	10	1500	1	*	bcb	bcb	bcb	bcb			
12	Rentree (Abbots L.)	1001.7	-2	WSW	3	c/pr	55	85	8	5	-	-	10	10	1500	1001.3	+14	W	3	c	55	75	9	8	7	6	4-6	7-8	2500	1	*	bcb	bcb	bcb	bcb			
	Eakdalemuir	1001.8	+14	WS	4	c	51	97	7	5	-	-	10	10	1500	1001.1	+12	W	4	c	54	65	8	8	4	1	4-6	7-8	1500	1	*	bcb	bcb	bcb	bcb			
	Point of Ayre	1001.1	+4	WS	5	b	62	75	8	2	3	4	2-3	4-6	2500	1001.8	+4	WSW	4	c	61	65	8	5	-	4	7-8	7-8	4000	1	4	bcb	bcb	bcb	bcb			
13A	Tiree	1001.2	0	N	1	ido	54	92	7	5	-	-	10	10	1800	1001.0	0	HLW	3	c	53	85	8	8	-	-	9	9	1800	3	3	bcb	bcb	bcb	bcb			
13B	Stornoway	1001.8	-14	NNE	3	ido	53	85	7	8	7	-	7-8	10	1000	1001.0	0	N	5	c	53	92	7	8	7	-	7-10	10	1000	1	7	bcb	bcb	bcb	bcb			
14	Dalwhinnie	1001.7	-20	HLW	3	pr	48	85	6	8	-	-	10	10	1500	1001.9	+6	HLW	3	ido	49	85	7	5	1	-	7-8	10	1500	1	*	bcb	bcb	bcb	bcb			
	Aberdeen	1001.9	-12	SE	2	F+	54	97	1	5	-	-	10	10	4150	1001.0	+14	HLW	2	c	56	85	7	9	2	-	9	10	2500	1	3	bcb	bcb	bcb	bcb			
	Wick	1001.3	-30	HLW	5	ido	53	97	6	6	2	-	4-6	10	400	1001.7	+14	HLW	3	c	53	97	6	6	-	-	9	10	1000	1	*	bcb	bcb	bcb	bcb			
16	Sumburgh	1001.3	-14	NNE	4	ido	55	97	7	6	2	-	9	10	1200	1001.0	-8	SE	3	c	56	92	7	5	-	-	10	10	1000	*	*	bcb	bcb	bcb	bcb			
17	Blackod Point...	1001.7	-4	SW	3	c	60	75	8	2	6	-	4-6	9	1500	1001.7	-4	SSW	3	c	56	85	8	3	-	4	4-6	7-8	1500	1	2	bcb	bcb	bcb	bcb			
18	Malin Head	1001.0	+2	HLW	3	b	58	85	8	2	-	-	2-3	4-6	5700	1001.9	+2	NW	1	b	57	85	8	9	-	-	4-6	4-6	1000	0	3	bcb	bcb	bcb	bcb			
	Aldergrove	1001.9	0	WSW	3	pr	61	65	8	2	-	-	9	9	1500	1001.4	+2	-	0	PR	56	92	6	9	6	-	9	9	1500	1	*	bcb	bcb	bcb	bcb			
19	Birr Castle	1001.4	-0	WSW	2	c/pr	63	75	8	8	-	1	4-6	9	1500	1001.1	-2	W	1	c/pr	58	85	8	3	7	-	2-3	7-8	1500	0	*	bcb	bcb	bcb	bcb			
20	Valencia Obay.†	1001.0	0	W	4	pr	55	85	8	3	7	-	2-3	9	1500	1001.5	+2	WS	4	pr	57	85	8	3	7	-	4-6	10	2500	1	4	bcb	bcb	bcb	bcb			
	Roches Point	1001.4	-2	SW	3	c/pr	58	85	9	3	-	5	4-6	7-8	1500	1001.4	0	WS	3	c/pr	57	85	8	3	-	3	4-6	7-8	1500	1	4	bcb	bcb	bcb	bcb			

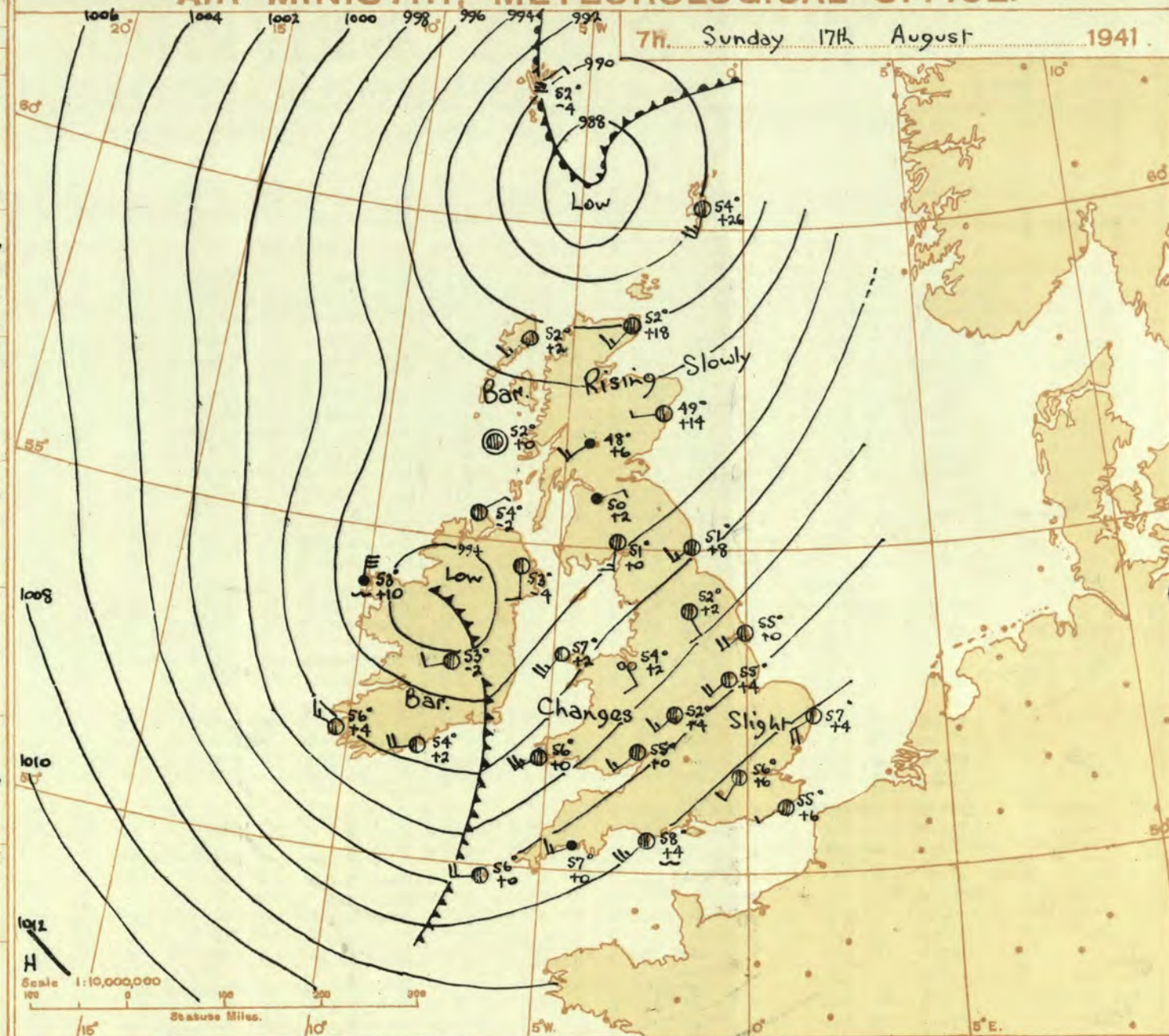


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 16th August...13h. G.M.T.				01h. G.M.T. 17th August...07h. G.M.T.								
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN
109	6	62638	02668	6	61628	32568	57	02646	14227	6	61648	22468
115	52	64638	08486							52	62738	24868
203				6	63838	32668						
206	62	62524	32368	62	61848	28468	52	22744	28365	57	02864	18366
210	62	54526	02568	62	61727	26468	5	02855	21325	57	61965	19227
220				62	66745	29268						
230	52	62857	28268	87	02857	27267	52	51746	20268	7	02847	00067
245	52	53418	04258	7	22956	22587	53	01883	20463	74	01964	24103
260	81	02855	22457	8	02854	22427	50	01763	00013	87	02766	00017
278	57	02864	22368	86	02956	22286				51	61836	18258
279	87	02755	21457	8	02956	21416				87	22546	20267
285				23	01854	24614						
288	87	02855	53515	10	00952	55513	50	01753	16113	87	***	18316
575	87	10856	28187	87	10856	26187	5	62648	00068	57	02855	10267
301	24	01853	26413	24	02952	22404	53	01763	16215	37	81654	15387
321	33	01754	21586	83	01852	18484	56	25574	15385	58	81764	17315
299	87	82655	22488	87	01754	22314	50	01753	22203	80	05644	24314
292	34	02854	20385	54	01863	20214	00	05690	16110	37	81666	15247
310	--	01625	23515									
614	26	02744	53327	36	81655	18396	5	05547	18227	53	05527	20327
333	25	01953	18414	24	01963	18415	8	25765	18385	8	02857	18387
334	--	01853	22314	--	01864	22314						
340	3	25047	22387	36	02955	18327	51	02753	14215	54	01853	14364
136	26	02955	20516	36	81884	18586	40	02862	18482	5	02734	16314
336	62	64662	20467	54	22762	24366						
350	80	02865	18425	86	25763	16384	5	01745	20315	54	00722	18303
368	36	01854	20484	36	25855	20486						
379	8	02866	20486	32	25845	16485	57	05644	20415	5	02727	20427
390	26	01844	21419	86	01863	20314	50	00751	19301	50	01745	20315
382	87	02054	10417	30	25845	18285	50	01764	18314	24	00861	16202
438										87	25851	24385
430				84	01954	20415	86	01754	22414	35	25833	20283
409				24	02854	21525	20	00841	20201	97	02854	16317

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.

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

1 S.E. England	
2 E. England ...	Moderate southwest wind, fresh locally, veering west. Bright intervals, showers, local thunderstorms; cool.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Moderate or fresh southwest wind, veering west or northwest, strong locally on coast. Local thunderstorms; cool.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	Moderate or fresh west to northwest wind, strong locally. Showery; local thunderstorms; cool.
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.

BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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  
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.

GENERAL INFERENCE.

A depression off North Scotland is moving slowly north and a small depression in polar air over North Ireland will move northeast. Weather will be showery with local thunderstorms.

FURTHER OUTLOOK.

Showery and cool.

Forecasts issued at 1030 G.M.T.

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

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

6268/4120. IV. 5/76. D. 6034. 6p. 548 3300. 8/41



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

**Explanation of Frontal Lines shown on Charts**  
 (The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.



Clark's Projection Scale 1:4x10<sup>7</sup> along meridian at 55° N.  
 Statute Miles 0 1 2 3 4 500  
 50°

**EXPLANATION OF CHART.**  
**BAROMETER.** Isobars are drawn for intervals of four millibars.  
**WIND.** Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—○  
**TEMPERATURE** is given in degrees F.  
**WEATHER SYMBOLS:**—○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. \* Snow. \* Sleet. \* Hail.  
 Fog. ≡ Mist. ≡ Thunder. (T) Thunderstorm. T Slight haze. &c  
 Hours of observation:—Azores, Greenland, Ships, oh. G.M.T. America and Europe, mainly th, G.M.T.; U.S.S.R. (Europe and Asia), th, local time.

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



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 17th August 1941.

No. 29123

OBSERVATIONS at 1 hr. G.M.T. 17th August														OBSERVATIONS at 7 hr. G.M.T. 17th August														PAST 24 HOURS.																		
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			Barom. M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			Barom. M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			TEMPERATURE.					RAINFALL.		SUN-SHINE.			
					Direc.	Force.					Low.	Med.	High.			Low.	Med.					High.	Low.	Med.			High.	Low.					Med.	High.	Low.	Med.	High.	State of Ground.	Sea.	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.		Day 7h-18h mm.	Night 18h-7h mm.	.....16th Hrs.
1	London (Kew) ...	18	1003.4	...	SW	3	b	54	92	8	...	...	1003.9	+8	SW	3	bc	56	85	8	...	...	...	...	1004.3	+6	SSW	2	bc	56	85	8	1	3	-	2-3	2-3	4000	1	...	63	49	45	...	...	11.4
	Croydon ...	217	1003.4	...	SW	3	bc	54	92	7	...	...	1004.3	+6	SSW	2	bc	56	85	8	...	...	...	...	1004.2	+6	SW	3	bc	56	85	9	6	3	1	2-3	2-3	2000	1	...	65	51	48	0.1	-	12.0
	S. Farnborough ...	226	1003.4	...	SSW	3	b	54	92	7	...	...	1004.2	+6	SW	3	bc	56	85	9	...	...	...	...	1003.9	+6	SSW	3	bc	53	97	7	5	-	2-3	4-6	1000	1	...	68	52	45	...	...	11.1	
	Boscombe Down ...	417	1003.4	...	SW	3	bc/pr	58	85	7	...	...	1004.5	+4	SW	4	bc/pr	58	85	8	...	...	...	...	1004.5	+4	SW	4	bc/pr	58	85	8	3	6	1	2-3	2500	1	...	68	48	42	...	...	10.3	
	Thorney Island ...	10	1003.9	...	SW	3	bc	56	85	8	...	...	1004.5	+4	SW	4	bc/pr	58	85	8	...	...	...	...	1004.5	+4	SW	4	bc/pr	58	85	8	3	6	1	2-3	2500	1	...	68	54	57	...	...	...	
	Lymington ...	346	1006.3	...	SW	2	bc	56	85	8	...	...	1006.7	+6	WSW	1	c/pr	55	97	7	...	...	...	...	1006.7	+6	WSW	1	c/pr	55	97	7	3	6	3	4-6	7-8	1200	1	...	64	52	49	...	...	12.8
	Manston ...	154	1004.8	...	SW	2	bc	56	92	6	...	...	1005.3	+10	SW	2	c	53	92	8	...	...	...	...	1005.3	+10	SW	2	c	53	92	8	8	3	3	4-6	4-6	2500	1	...	66	52	50	...	...	11.8
2	Shoeburyness ...	11	1003.6	...	SW	4	b	60	85	8	...	...	1005.4	+8	SW	3	b	58	85	8	...	...	...	...	1005.4	+8	SW	3	b	58	85	8	4	3	-	1	1	4000	1	...	67	55	49	...	...	11.3
	Felixstowe ...	15	1003.6	...	SW	4	b	60	85	8	...	...	1005.4	+8	SW	3	b	58	85	8	...	...	...	...	1005.4	+8	SW	3	b	58	85	8	4	3	-	1	1	4000	1	...	67	55	53	...	...	12.3
	Corleston ...	5	1003.4	...	SW	4	b	56	85	7	...	...	1004.0	+4	SW	4	bc	57	95	7	...	...	...	...	1004.0	+4	SW	4	bc	57	95	7	1	4	3	2-3	4-6	2000	0	...	67	55	49	...	...	...
	Mildenhall ...	19	1002.0	...	SW	3	b	54	92	7	...	...	1002.9	+6	SW	4	bc	55	92	8	...	...	...	...	1002.9	+6	SW	4	bc	55	92	8	4	1	1	2-3	4000	0	...	67	53	47	...	...	9.6	
	Cranwell ...	240	1000.7	...	SW	4	bc	51	92	6	...	...	1001.3	+4	SW	4	bc	55	85	8	...	...	...	...	1001.3	+4	SW	4	bc	55	85	8	5	3	-	2-3	4-6	4000	0	...	64	49	48	...	...	7.3
3	Birmingham ...	535	1001.8	...	SSW	3	b	53	97	7	...	...	1001.5	+4	SW	3	c	52	92	8	...	...	...	...	1001.5	+4	SW	3	c	52	92	8	5	7	1	2-3	7-8	800	1	...	62	49	47	6	0.2	7.1
	Upper Heyford ...	408	1001.8	...	SSW	3	b	53	97	7	...	...	1002.5	+4	SSW	3	bc	52	97	7	...	...	...	...	1002.5	+4	SSW	3	bc	52	97	7	8	4	-	4-6	4-6	1000	1	...	64	48	45	...	...	...
4	Ross-on-Wye ...	223	1001.8	...	SSW	3	b	53	97	7	...	...	1001.4	0	SW	3	c	55	92	7	...	...	...	...	1001.4	0	SW	3	c	55	92	7	8	4	-	4-6	4-6	2500	1	...	64	51	47	...	...	7.5
5	Hartland Point ...	299	1001.1	...	WSW	5	bc	57	85	8	...	...	1001.0	+2	SW	4	c	56	85	8	...	...	...	...	1001.0	+2	SW	4	c	56	85	8	2	4	3	2-3	9+	1200	0	...	60	55	54	...	...	9.3
	Bristol ...	209	1002.6	...	S	4	bc	53	92	8	...	...	1002.8	+2	SSW	4	c	55	85	8	...	...	...	...	1002.8	+2	SSW	4	c	55	85	8	3	2	2-3	7-8	3000	1	...	60	51	41	...	...	8.6	
	Portland Bill ...	32	1003.6	...	SW	4	bc	58	92	8	...	...	1003.9	+4	SW	5	c	58	92	8	...	...	...	...	1003.9	+4	SW	5	c	58	92	8	2	-	1	7-8	9	4000	1	...	61	56	...	...	...	...
	Plymouth ...	82	1004.0	...	SW	4	bc	56	92	8	...	...	1003.6	0	WSW	3	c	57	92	7	...	...	...	...	1003.6	0	WSW	3	c	57	92	7	8	-	-	9+	9+	1200	0	...	61	55	52	...	...	9.7
	The Lizard ...	240	1003.8	...	WS	4	b	55	97	8	...	...	1003.6	+4	W	4	bc	55	92	8	...	...	...	...	1003.6	+4	W	4	bc	55	92	8	8	6	-	4-6	9+	2500	0	...	63	53	...	...	...	9.4
	Scilly (St. Mary's) ...	163	1003.3	...	WS	2	bc/pr	54	92	8	...	...	1002.6	0	WS	4	c	56	92	8	...	...	...	...	1002.6	0	WS	4	c	56	92	8	8	7	-	4-6	9+	1500	1	...	63	53	...	...	...	8.3
	Guernsey ...	175	1003.3	...	WS	2	bc/pr	54	92	8	...	...	1002.6	0	WS	4	c	56	92	8	...	...	...	...	1002.6	0	WS	4	c	56	92	8	8	7	-	4-6	9+	1500	1	...	63	53	...	...	...	...
6	Pembroke ...	142	1000.7	...	WSW	5	bc	57	92	7	...	...	999.7	0	SW	5	c/r	56	85	7	...	...	...	...	999.7	0	SW	5	c/r	56	85	7	8	-	-	9	9	2500	1	...	61	54	...	...	...	9.5
7	Holyhead (Valley) ...	26	997.5	...	SW	4	c	56	92	7	...	...	997.1	+2	SSW	5	c/r	57	92	8	...	...	...	...	997.1	+2	SSW	5	c/r	57	92	8	9	2	-	4-6	9+	600	1	...	61	55	53	...	...	...
	Chester (Sealand) ...	16	999.0	...	SE	2	bc	52	92	6	...	...	999.0	+2	SE	2	bc	54	85	6	...	...	...	...	999.0	+2	SE	2	bc	54	85	6	5	5	-	9	9+	5500	0	...	67	51	46	...	...	6.8
8	Manchester ...	70	999.0	...	S	2	bc	52	92	7	...	...	999.3	+2	SE	3	bc	53	92	6	...	...	...	...	999.3	+2	SE	3	bc	53	92	6	5	7	-	9	10	4500	1	...	64	50	46	...	...	6.0
10	Spurn Head ...	29	999.9	...	SSW	4	bc	54	92	7	...	...	1000.3	0	SW	4	bc	55	85	7	...	...	...	...	1000.3	0	SW	4	bc	55	85	7	1	4	-	1	2-3	5700	0	...	65	52	...	...	...	7.8
	Catterick ...	175	998.9	...	...	0	bc	46	92	7	...	...	999.0	+2	SE	2	c/r	52	92	6	...	...	...	...	999.0	+2	SE	2	c/r	52	92	6	5	7	1	7-8	9+	2500	1	...	64	45	41	...	...	9.4
	Tynemouth ...	108	997.9	...	S	3	bc	51	85	7	...	...	998.4	+8	SW	3	c	51	85	6	...	...	...	...	998.4	+8	SW	3	c	51	85	6	8	-	-	9	9	2200	1	...	62	50	47	...	...	...
11	St. Abbs Head ...	280	995.7	...	SW	4	bc	49	97	8	...	...	995.9	+2	SW	8	c/r	51	92	8	...	...	...	...	995.9	+2	SW	8	c/r	51	92	8	5	7	-	7-8	9+	2500	1	...	57	49	...	...	...	...
	Leuchars ...	36	994.4	...	SW	3	b	50	92	7	...	...	995.5	+8	...	0	c/pr	48	97	7	...	...	...	...	995.5	+8	...	0	c/pr	48	97	7	5	-	-	9+	9+	1800	1	...	58	45	39	...	...	0.3
12	Renfrew (Abbots L.) ...	19	995.9	...	SW	1	bc	47	97	7	...	...	995.8	+2	ENE	1	ir	50	97	4	...	...	...	...	995.8	+2	ENE	1	ir	50	97	4	5	-	-	10	10	1400	1	...	58	46	38	...	...	0.6
	Eskdalemuir ...	794	996.3	...	...	...	...	...	...	...	...	...	996.1	0	S	3	c/r	51	97	6	...	...	...	...	996.1	0	S	3	c/r	51	97	6	5	-	-	10	10	450	1	...	56	49	47	...	<	



AIR  
MINISTRY.THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.SECRET  
BRITISH SECTION  
Monday 18th August, 1941.  
No. 29124

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

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

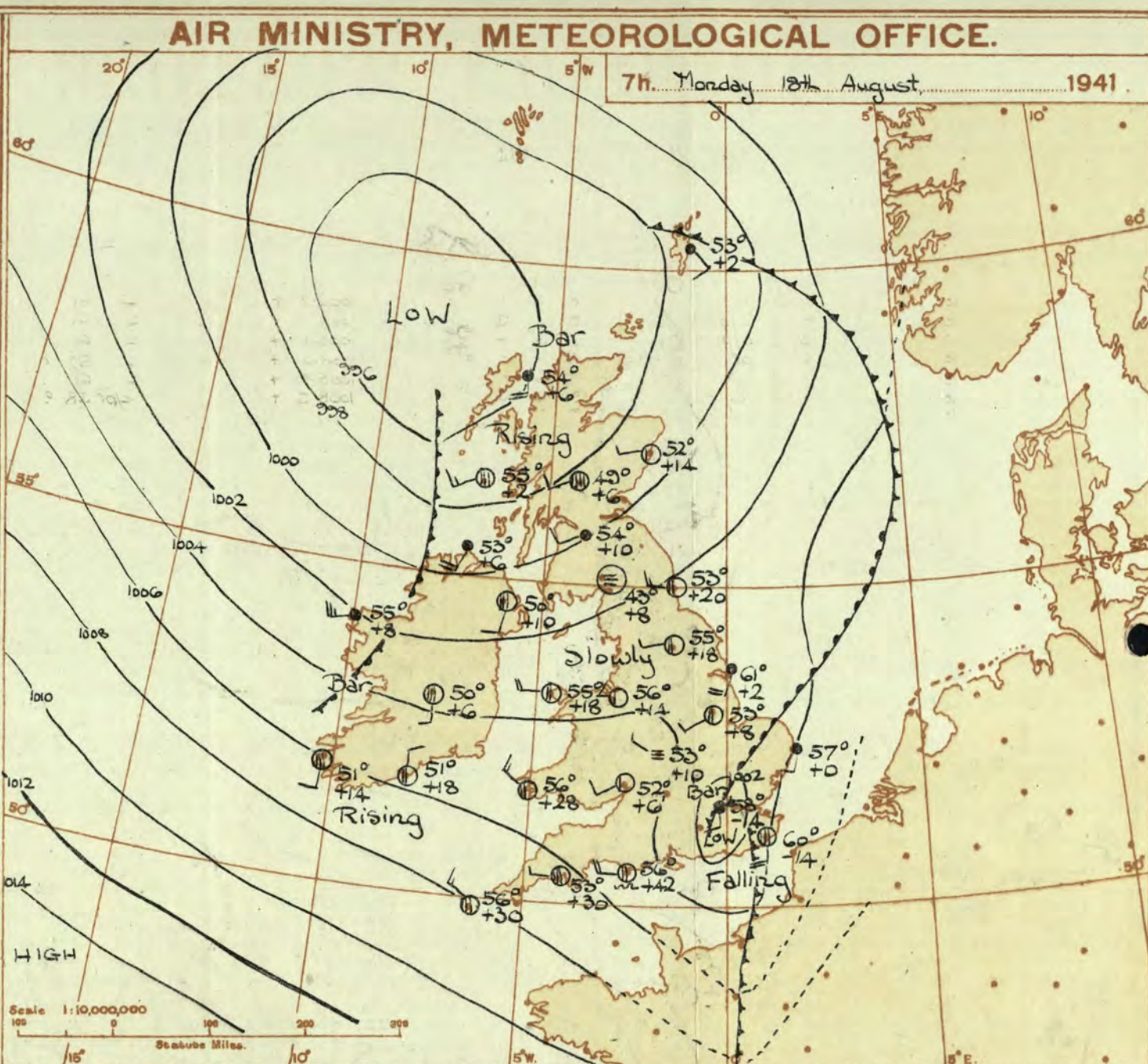
PAST 24 HOURS.

Distance.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-12 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-12 (22)	Cloud.				State of ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.																																																																																																																																																																																																					
				Direc. (3)	Force. 0-12 (4)					Low. (9)	Med. (10)	High (11)	Low 0-10 (12)			Total 0-10 (13)	Height of Base. (feet) (14)					Low. (23)	Med. (24)	High (25)	Low 0-10 (26)			Total 0-10 (27)	Height of Base (feet) (28)	7h.—13h. 17h. (37)	13h.—18h. 17h. (38)	18h.—17h. 18h. (39)	1h.—7h. 18h. (40)																																																																																																																																																																																																
																																		Form.	Amount.	Height of Base.	Form.	Amount.	Height of Base																																																																																																																																																																																										
1	London (Kew) ... Croydon ... S. Farnborough Boscombe Down Thorney Island Lympne ... Manston ...	1004.7 1005.0 1004.6 1004.1 1005.7 1008.0 1006.5	+4 +6 +2 +4 +6 +10 +8	SW SW SW SW SW SW SW	4 4 5 6 4 4 4	c c/pr c/pr pr c c c/pr	62 62 63 62 63 62 59	75 85 75 75 75 75 85	8 8 8 8 8 8 7	9 9 8 7 6 6 6	3 3 6 - - 3 -	7.8 7.8 4.6 9 9 9 9	2500 2000 1800 2000 2500 900 1800	1004.7 1005.1 1005.1 1004.6 1005.9 1008.3 1006.6	+4 +2 +4 +6 +2 +2 +4	SW SW SW SW SW SW SW	4 3 5 5 4 2 4	c c c c c bc/pr pr	61 61 61 59 61 58 61	75 75 75 85 85 92 75	8 8 8 8 7 7 7	5 2 3 6 5 2 9	7 3 6 7 8 3 3	- - - - - - -	4.6 2.3 4.6 4.6 7.8 4.6 4.6	7.8 9 9 9 9 9 9	2500 2000 3000 2500 2500 2500 1200	1 1 1 0 1 1 1	3 1 1 0 1 1 1	* * * * * * *	bcepr bcepr bcepr bcepr bcepr cpr pr	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c c c c c c	c c



Abridged observations of additional stations in the AVIATION WEATHER CODE															
13h. G.M.T. 17th. Aug.				15h. G.M.T.				01h. G.M.T. 18th. August				07h. G.M.T.			
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN
109	87	81755	16425	87	02854	15484	5-	02765	18325	5-	02676	00027			
115	87	02044	20567	77	02844	20426	54	01853	18424	52	02944	16227			
203	6-	02837	24527	5-	02937	20427									
206	8-	25067	24287	84	02966	22387	8-	01864	22224	87	81955	24187			
210	8-	25355	3286	83	02954	06187	5-	02966	00027	54	01962	21114			
220	87	02846	25387	53	01944	23215				82	82736	22488			
230	83	02054	25115	87	25966	00087	5-	01854	00014	81	02844	16288			
245	06	10744	18366	97	02765	16387	50	05663	20213	86	01962	23213			
260	07	81856	16188	9-	81744	16187	50	05661	22211	50	01873	20214			
278	8-	02847	16367	96	10845	28386	50	00852	22282	5-	61867	20367			
279	83	25855	18486	86	02954	19486	00	00890	22200	87	02755	24116			
285										23	01743	24214			
288	07	02755	16427	97	82634	22327	53	05655	17315	07	01890	18113			
575	87	25847	04287	8-	02855	32485	5-	81646	24286	57	63655	20368			
901	07	05645	18387	26	01954	24495	23	02754	24286	2-	01855	26115			
321	37	81540	18488	19	02753	18485		05690	18316	03	05690	16115			
299	87	01754	24415	87	28744	20394	50	05655	20315	57	05654	20217			
292	87	02765	16327	87	25754	18285	5-	05664	16314	53	01873	22114			
310										--	03438	26448			
614	02	81646	53487	96	02744	53486				5-	05638	20268			
333	23	02844	52486	23	02854	52526	5-	02856	20226	10	00951	24111			
334										--	02645	10186			
340	2-	25855	18687	39	01954	53495	51	01755	16315	04	01890	26212			
136	21	02854	18416	96	81744	18397	57	61773	16488	02	61774	16267			
336										14	01862	16313			
350	37	82656	85587	87	25754	17487	02	62678	18368	52	62764	00065			
368				87	02854	22428									
379	33	25844	18487	93	02844	18327	6-	63638	20368	03	49190	24243			
390	87	02855	18416	47	02854	20487	57	61644	18367	62	64437	20268			
382	23	25854	10386	87	02955	18427	52	64667	14268	54	00841	30122			
438	8-	25755	20687							42	45218	53668			
430	36	25854	53585	89	02845	53427	5-	64638	00068	96	81635				
409	23	02854	21526	57	02842	20428	5-	00742	00012	26	01945	23216			

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



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 18th August, 1941.
1 S.E. England	
2 E. England ...	
3 E. Midlands ...	Moderate west wind backing S.W. Bright intervals. Showers.
4 W. Midlands ...	Local thunderstorms. Cool.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Moderate S. to S.W. wind. Bright intervals. Showers. Local thunderstorms. Cool.
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	Moderate west wind backing S.W. to S. Bright intervals and showers today. Rain spreading from west tomorrow. Cool.

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.  
 BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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.

**GENERAL INFERENCE.**  
 A depression is centred to N.W. of Scotland and a small centre over S.E. England is expected to move N.E. and then N. There will be showers in all districts with local thunderstorms but also bright intervals. Rain is likely in Ireland late in Period.

**FURTHER OUTLOOK.**  
 Rain spreading from the west.

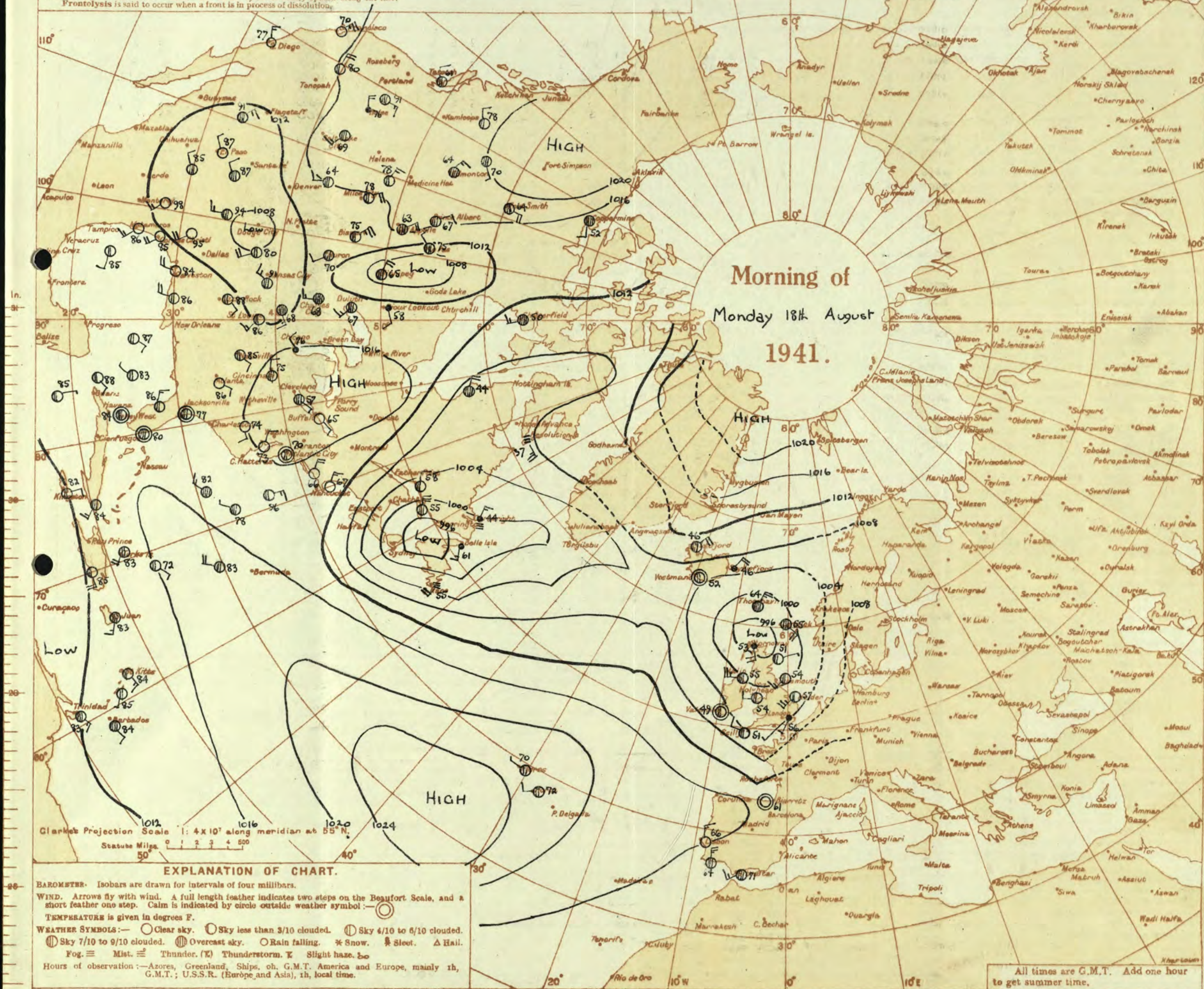
Forecasts issued at 10.30h. G.M.T.  
 H.M.S.O. Press, Meteorological Office, Dunstable.  
 N. K. JOHNSON, D.Sc., A.R.C.S., Director.  
 6.200/4120. No. 0176. D. 6034. Op. 246. 3200. 3/41



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.



## 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. Δ Hail.

Fog. ≡ Mist. ≡ Thunder. (T) Thunderstorm. K Slight haze. &c

Hours of observation:—Azores, Greenland, Ships, oh, G.M.T. America and Europe, mainly th, G.M.T.; U.S.S.R. (Europe and Asia), th, local time.

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



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 18th August															OBSERVATIONS at 7 hr. G.M.T. 18th August															PAST 24 HOURS.										
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (8)	Humid. % (9)	Visibility. (10)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.					State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.			Sun-shine. (36)			
					Direc. (3)	Force. (4)					Form.	Amount. (11)	Height of Base. (feet) (12)	Total (13)	Direc. (17)			Force. (18)	Form.					Amount. (25)	Height of Base. (feet) (26)	Total (27)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)			Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)							
																																		Low. (9)	Med. (10)	High (11)		Low (12)	Total (13)	Low (17)
1	London (Kew) ... 18	*	*	*	*	*	*	*	*	*	*	*	*	1002.3	-8	NNW	3	rr	54	92	5	6	2	-	7-8	10	1500	1	*	64	53	53	2	29	7.5					
	Croydon ... 217	1005.7	-6	SSW	1	rr	56	97	7	5	-	-	9	10	2000	1001.3	-14	S	2	id	58	97	6	6	-	9+	9+	1000	1	*	64	55	54	1	8	8.0				
	S. Farnborough ... 226	1004.5	-8	-	0	rr	55	97	6	6	-	-	10	10	3000	1003.4	+6	NW	2	id	53	97	7	8	6	-	4-6	9	2500	2	*	66	51	51	Tr	30	7.2			
	Boscombe Down ... 417	1003.8	-14	-	0	rr	55	97	6	2	-	-	10	10	1000	1003.0	+18	NNW	2	bc	52	92	8	5	-	-	0	2-3	3000	1	*	64	49	47	0.1	13	4.5			
	Thorney Island ... 10	1004.6	-14	SSW	1	ir	57	97	6	5	2	-	7-8	10	1500	1002.5	+4	NW	4	bc	55	97	8	5	6	-	4-6	7-8	1500	1	*	65	54	Tr	12	*				
	Lympe ... 346	1008.0	-6	-	0	z	56	97	6	8	-	-	10	10	2500	1004.3	-14	S	4	c	60	85	8	5	-	-	7-8	7-8	4000	1	*	64	56	55	5	2	7.3			
	Manston ... 154	1006.9	-6	SSW	1	z	57	92	6	5	3	-	2-3	9	2000	1003.7	-14	S	3	c	59	92	8	5	-	-	10	10	800	1	*	65	56	55	1	1	7.3			
2	Shoeburyness ... 11	*	*	*	*	*	*	*	*	*	*	*	*	1003.7	-10	SSE	4	rr	61	85	8	5	7	-	9	9+	2500	1	*	66	56	54	0.6	3	7.1					
	Felixstowe ... 15	1005.9	+2	SW	4	rr	60	85	6	6	2	-	1	10	1100	1003.6	-14	SW	5	c	59	97	8	5	-	9+	9+	3000	1	3	66	56	55	2	3	8.1				
	Gorleston ... 5	1005.6	+2	S	4	rr	59	85	6	6	-	-	10	10	1500	1003.5	0	SW	2	rr	57	92	6	6	-	10	10	800	1	3	66	56	54	Tr	4	*				
	Mildenhall ... 19	1004.8	+2	SSW	3	rr	57	92	6	5	-	-	9	8	3500	1004.0	0	E	1	rr	54	97	6	5	-	10	10	3000	1	*	67	53	51	2	6	9.7				
	Cranwell ... 240	1002.9	+4	SW	4	z	56	85	6	5	2	-	7-8	9	1500	1003.7	+8	SW	1	bc	53	92	7	5	3	9	1	4-6	3000	1	*	65	52	51	0.3	8	5.5			
3	Birmingham ... 535	*	*	*	*	*	*	*	*	*	*	*	*	1004.4	+10	WNW	1	fg	53	97	5	-	-	-	0	0	-	-	1	*	62	50	46	1	1	1.8				
	Upper Heyford ... 408	1004.0	0	SSW	3	rr	53	97	6	5	2	-	9	10	4500	1004.2	+4	-	0	bc	51	97	6	5	4	-	2-3	4-6	2000	1	*	65	50	47	3	9	*			
4	Ross-on-Wye ... 223	*	*	*	*	*	*	*	*	*	*	*	*	1004.6	+6	SW	2	b	52	97	8	1	-	9	1	1	4000	1	*	65	49	44	0.2	0.6	4.6					
5	Hartland Point ... 299	1003.0	+2	SW	3	bc	52	92	8	5	-	-	2-3	2-3	1500	1005.8	+16	W	3	c	58	85	8	2	4	-	4-6	7-8	1400	1	4	60	51	49	Tr	2	4.3			
	Bristol ... 209	1004.0	-6	SW	3	rr	53	85	6	-	2	-	10	10	4000	1005.6	+24	WSW	2	c	53	97	7	8	3	3	1	7-8	2500	1	*	65	49	44	13	9	4.7			
	Portland Bill ... 32	1003.5	-16	SW	3	rr	58	92	7	5	-	-	10	10	1500	1005.8	+42	W	4	bc	56	92	8	2	-	-	4-6	4-6	4000	1	5	60	54	*	-	12	*			
	Plymouth ... 82	1003.0	(30) NE	1	ir	53	92	7	6	7	-	-	4-6	9	1000	1007.3	+30	W	1	z	53	92	5	5	-	-	7-8	7-8	500	1	3	61	50	45	1	23	2.5			
	The Lizard ... 240	1003.0	-6	NE	3	bc	52	97	7	4	-	-	2-3	2-3	2500	1007.8	+24	W	4	bc	55	97	8	8	4	-	4-6	4-6	2500	1	3	62	50	*	0.5	15	4.7			
	Scilly (St. Mary's) ... 163	1003.8	+6	WNW	2	bc	51	85	7	5	4	3	1	4-6	1500	1007.7	+30	NNW	3	c	56	92	8	8	7	-	2-3	7-8	1500	1	3	62	53	*	3	3	3.2			
	Guernsey ... 175	*	*	*	*	*	*	*	*	*	*	*	*	1007.7	+30	NNW	3	c	56	92	8	8	7	-	2-3	7-8	1500	1	3	62	53	*	3	3	3.2					
6	Pembroke ... 142	1002.4	+4	WSW	3	bc	56	97	7	1	4	-	1	2-3	3000	1006.2	+28	NNW	3	bc	56	92	8	1	3	5	2-3	4-6	3000	1	3	60	53	*	5	0.1	1.4			
7	Holyhead (Valley) ... 26	1000.9	+10	W	2	bc	54	97	7	5	-	-	2-3	2-3	2000	1003.9	+18	W	4	bc	55	92	9	8	-	1	2-3	2-3	3000	0	2	63	48	36	0.2	Tr	*			
	Chester (Sealand) ... 16	1001.6	+12	SW	1	bc	55	85	7	5	4	-	4-6	4-6	4200	1004.0	+14	W	2	b	56	75	9	2	3	-	Tr	1	3000	0	*	65	48	42	5	Tr	4.6			
8	Manchester ... 70	1001.2	+10	SW	2	pr	54	92	6	8	-	-	7-8	7-8	2500	1002.7	+18	WSW	1	rr	51	97	4	8	-	9	9	4500	1	*	62	46	40	3	1	4.0				
10	Spurn Head ... 29	1002.1	+2	SSW	5	bc	57	85	7	5	-	-	4-6	4-6	4000	1002.7	+2	SSW	4	pr	61	65	6	7	2	-	2-3	7-8	2500	1	4	66	55	*	Tr	7	7.8			
	Catterick ... 175	1000.1	0	S	2	z	54	85	6	5	3	-	7-8	9	3000	1002.7	+18	W	1	bc	55	85	8	5	3	-	Tr	4-6	3500	1	*	63	51	47	4	1	1.5			
	Tynemouth ... 108	999.4	+4	SW	3	bc	54	85	6	2	-	-	2-3	2-3	2500	1001.8	+20	W	3	bc	55	85	7	-	4	-	0	2-3	-	1	2	63	52	50	3	-	*			
11	St. Abbs Head ... 280	998.0	+8	SW	3	c	51	92	8	5	5	-	4-6	7-8	2500	997.9	+14	W	4	bc	49	85	9	4	4	-	1	2-3	2500	0	2	61	43	*	5	-	*			
	Leuchars ... 36	997.4	+10	-	0	b	52	97	6	5	-	-	1	1	2500	999.5	+12	WSW	2	bc	49	97	6	5	-	3	Tr	2-3	2500	1	*	61	46	41	2	0.4	0.3			
12	Renfrew (Abbots I.) ... 19	998.9	+8	-	0	bc	47	92	7	8	-	-	2-3	2-3	3000	1000.4	+10	SW	2	id	54	92	6	8	7	-	7-8	10	1200	1	*	59	45	37	13	Tr	0.2			
	Eskdalemuir ... 794	*	*	*	*	*	*	*	*	*	*	*	*	1002.0	+8	-	0	f	43	97	3	-	-	-	-	10	10	1150	1	*	59	39	*	6	1	1.4				
	Point of Ayre ... 30	999.8	+18	W	3	c	52	92	8	5	-	-	7-8	7-8	3000	1002.3	+14	WSW	4	bc	52	97	8	4	4	5	Tr	2-3	2000	0	3	66	46	*	Tr	-	4.3			
13A	Tiree ... 22	997.2	0	SW	3	bc	53	92	8	5	-	-	4-6	4-6	2100	997.5	+2	SW	3	c	55	92	8	8	-	-	7-8	7-8	1500	0	4	60	52	*	-	1	9.3			
13B	Stornoway ... 80	994.7	+4	S	4	pr	53	92	7	8	7	-	7-8	9	1500	995.5	+6	S	4	pr	54	92	8	8	1	-	4-6	10	1500	1	3	59	53	*	6.1	1	0.5			
15	Dalwhinnie ... 1176	*	*	*	*	*	*	*	*	*	*	*	*	999.1	+6	SW	2	c	49	92	7	5	1	-	9	10	1500	1	*	58	37	29	1	2	1.3					
	Aberdeen ... 79	*	*	*	*	*	*	*	*	*	*	*	*	998.7	+14	WS	1	b	52	85	8	5	4	8	Tr	Tr	2800	1	2	60	48	40	Tr	0.2	5.6					
	Wick ... 119	996.1	+2	SE	1	ir	54	97	7	5	7	8	+6	9+	3000	997.7	+14	SW	2	c	53	85	9	5	3	5	2-3	9+	5000	*	*	*	*	*	*	*				
16	Sumburgh ... 30	998.4	-4	SE	5	ir	55	92	7	5	-	-	9	9	800	998.2	+2	SE	1	rr	53	97	8	5	2	-	7-8	10	800	*	*	58	52	50	*	*	*			
17	Blackod Point ... 18	1001.3	0	W	4	bc	53	92	8	4	-	-	4-6	4-6	2500	1002.1	+8	W	5	ir	55	92	7	6	-	-	10	10	800	1	4	51	53	*	0.5	6	*			
18	Malin Head ... 84	998.2	+4	W	5	pr	55	92	6	9	-	-	7-8	7-8	1500	99																								



DUPLICATE

# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

**SECRET**

BRITISH SECTION

Tuesday 10th August 1941

No 29125

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

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

PAST 24 HOURS.

[illegible]

### EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION  
AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).  
bc, sky partly cloudy (one half covered). c, generally cloudy.  
d, drizzle. o, 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, slight storm of drifting snow (generally low).  
k/S, heavy storm of drifting snow (generally low).  
s/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, 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 exist-  
ing weather from preceding con-  
ditions thus: —bc/r, fair weather  
after rain; —, has decreased;  
+, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

- 0 No low clouds.
- 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.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.

Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.

An entry "4-8" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.

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

"9+" signifies an overcast sky with a few small openings.

‡ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

- 0 No medium clouds.
- 1 Typical As (thin).
- 2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Na).
- 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:      Cirrocumulus, -Cc:      Cirrostratus, -Cs:      Altocumulus, -Ac:      Altostratus, -As:  
Stratocumulus, -Sc:      Stratus, -St:      Nimbostratus, -Ns:      Cumulus, -Cu:      Cumulonimbus, -Cb.

COLUMN 29 --STATE OF GROUND.

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., but ground frozen.
2	" flooded.	9	" covered with snow greater than 6 ins. deep.
3	" frozen hard and dry.	-	Fresh snow has fallen in the mountains.
4	" partly covered with snow or hail.		
5	" covered with ice or glazed frost.		
6	" covered with thawing snow.		

NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

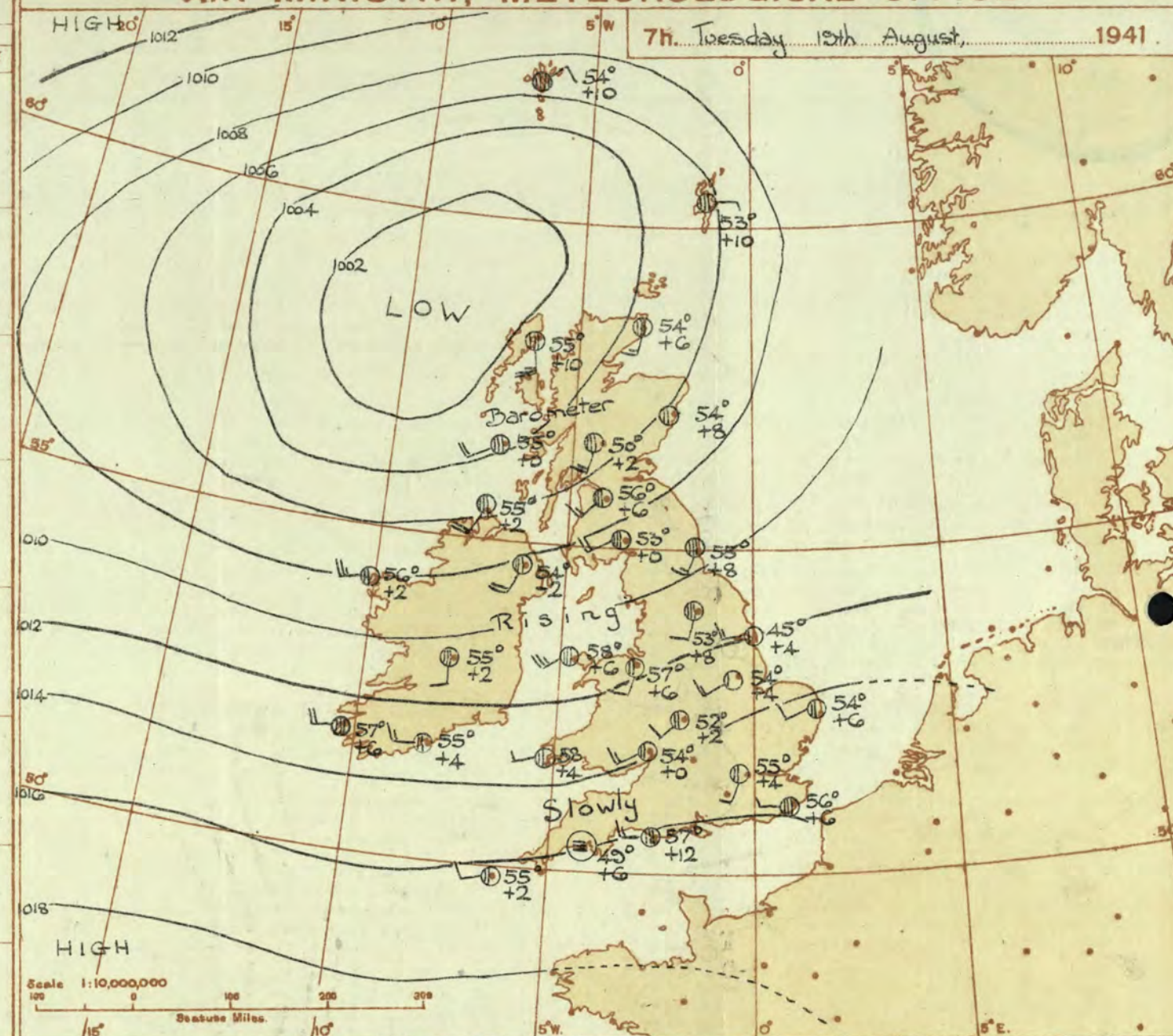


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 12th August 1941							18h. G.M.T.							01h. G.M.T. 13th August 1941							07h. G.M.T.						
III	C <sub>M</sub>	ww	Vh	N <sub>h</sub>	DD	FWN	C <sub>M</sub>	ww	Vh	N <sub>h</sub>	DD	FWN	C <sub>M</sub>	ww	Vh	N <sub>h</sub>	DD	FWN	C <sub>M</sub>	ww	Vh	N <sub>h</sub>	DD	FWN			
1097		02344		16325	97		10854		17327	50	00752	16132	7-		01863		16314										
1152		81844		20287	52		81834		18327	52	82864	20327	52		81844		20386										
203					8-		81836		16566	8-	81848	16428	5-		81835		16485										
20687		81863		18487	86		25964		24586	8-	01864	22224	87		02964		18225										
21087		22965		30127	84		25964		20385	50	01864	18214	53		01963		17224										
220					83		25845		23485						82	82736		21588									
230		22747		19487	82		81846		20488	9-	82538	22388	83		02856		20387										
2452		02965		18427	86		01863		20424	5-	05563	24113	53		05684		20217										
2608		02856		22426						50	01864	20414	74		01864		20414										
27857		62754		21367	87		81855		21387	8-	62747	20287	54		02837		16287										
27981		08864		22417	87		02754		20385	50	01764	22414	8-		25847		20487										
28523		01864		24515	23		02745		24527				23		02744		22586										
2885		02854		22425	80		01862		22324	50	01763	18213	57		02666		18386										
575					87		10844		24485	40	01755	24585	57		02866		22227										
8024		01551		23414	23		01951		22415	53	02754	22486	93		25855		22386										
328		05655		24315	26		01763		24314	54	05671	22312	03		05690		22215										
29987		01754		14115	17		01753		23303	50	05652	23202	57		05655		22216										
29277		01954		20314	14		01962		22312	50	05662	18202	57		05564		16127										
310		01655		26415	--		01753		26413																		
61436		01864		28015	80		00752		24312	54	05561	00001	50		41482		00042										
33320		01063		20316	83		01864		20414	5-	02858	20388	53		01743		18314										
334		02753		28314	--		02858		28316				--		28636		20287										
3406		01964		24315	36		00941		22312	50	01764	18314	88		01864		14285										
13686		02855		24315	26		01763		20383	00	00790	20200	04		05690		21201										
336													52		02763		20217										
35086		81763		26366	84		02865		24185	00	00690	18200	04		05690		18202										
3606		01963		22413	24		01853		22313																		
37080		25845		22385	23		01853		20323	00	00790	16100	--		48109		20349										
39086		02755		25416	86		01753		22183	50	05874	19114	50		43374		16144										
38286		02855		23225	23		01863		22214	04	05690	00000															
43880		01864		28615																							
4306		01855		20485	86		00951		20312	50	01744	00014	88		01753		00043										
409					87		01943		21314	50	00742	20212	83		81854		17115										

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

## AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 12th August, 1941.
1 S.E. England	Light to moderate W.S.W. wind. Fine at first but scattered
2 E. England ...	thunderstorms or thundery showers breaking out this afternoon. Clear
3 E. Midlands ...	periods again tonight. Temperature near or slightly below normal.
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Mainly moderate southwesterly winds. Cloudy with occasional showers,
9 N. Midlands ...	some bright intervals. Rather cool.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Moderate or fresh W. wind backing S.W. later. Showers and bright intervals at first. More general rain late in period. Rather cool.
18 N. E. Ireland	As 8-16.
19 S. E. Ireland	
20 S. W. Ireland	As 17.

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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.

**GENERAL INFERENCE.**  
A depression centred off N.W. Scotland is almost stationary and is filling up slowly. There will be bright intervals in all districts with some local thunderstorms or thundery showers. A disturbance at present well out on the Atlantic will probably bring rain into western Ireland tomorrow.

**FURTHER OUTLOOK.**  
Unsettled conditions continuing with rain or showers at times in most districts.

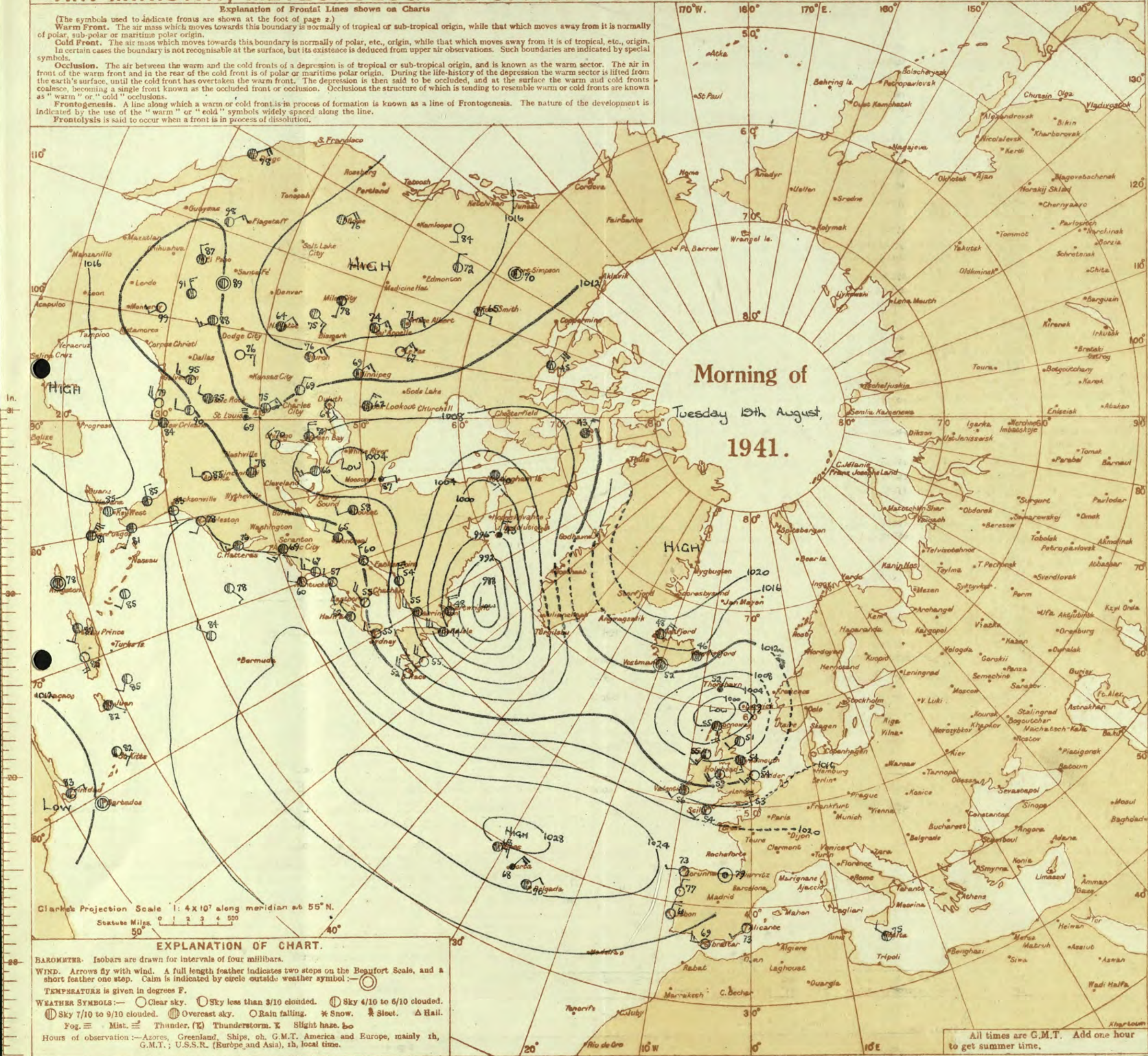
N. K. JOHNSON, D.Sc., A.R.C.S.  
Director.  
Forecasts issued at 10.30h. G.M.T.  
H.M.S.O. Press, Meteorological Office, Dunstable.



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Tuesday 19th August 1941.  
 No. 29125

OBSERVATIONS at 1 hr. G.M.T. 19th August															OBSERVATIONS at 7 hr. G.M.T. 19th August															PAST 24 HOURS.									
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.					State of Ground.	TEMPERATURE.					RAINFALL.		SUN-SHINE Hrs.		
					Direc.	Force.					Form.	Amount.	Height of Base (feet).	Direc.	Force.			Form.	Amount.					Height of Base (feet).	Form.	Amount.	Height of Base (feet).	Max. Day 7h-18h °F.		Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.						
																																		0-12	0-10	0-10		0-10	0-10
1	London (Kew)	18	30.1	+2	S	2	b	53	97	3	-	-	-	-	30.1	+6	SW	2	bc	56	92	6	5	3	6	1	4	6	62	51	39	0.1	-	7.9					
	Croydon	217	30.4	+2	S	2	b	54	92	6	-	-	-	-	30.5	+4	SSW	1	bc	55	92	7	5	3	4	1	4	6	68	51	48	3	Tr	6.2					
	S. Farnborough	226	30.4	+2	S	2	b	54	92	6	-	-	-	-	30.5	+2	WSW	2	bc	53	97	8	5	3	4	1	4	6	68	49	39	0.1	0.1	8.0					
	Boscombe Down	417	30.5	+2	S	2	b	51	97	6	-	-	-	-	30.6	+6	W	1	bc	51	97	7	5	3	4	1	4	6	68	47	36	-	-	6.2					
	Thorney Island	10	30.5	+2	S	2	b	56	97	6	-	-	-	-	30.7	+6	NNW	1	bc	54	97	6	2	3	4	1	4	6	68	45	38	-	-	-					
	Lymington	346	30.6	0	SW	2	b	54	97	6	-	-	-	-	30.6	+6	W	1	c	56	97	7	8	3	-	-	2	3	67	48	40	1	-	7.6					
2	Manston	154	30.5	+2	SW	2	b	53	97	7	-	-	-	-	30.5	+8	SW	1	m	55	97	4	8	-	-	-	3	3000	68	51	48	0.6	Tr	7.5					
	Shoeburyness	11	30.1	+4	WSW	3	b	57	92	6	-	-	-	-	30.6	+4	SW	2	bc	58	92	6	-	3	-	2	3	4	69	53	43	Tr	-	5.6					
	Felixstowe	16	30.4	+4	WSW	3	b	57	92	6	-	-	-	-	30.7	+8	WSW	2	bc	56	97	6	4	4	-	Tr	1	4000	69	53	49	1	-	5.5					
	Gorleston	5	30.3	+4	WSW	2	b	55	92	6	-	-	-	-	30.8	+6	SW	2	bc	54	85	6	-	5	-	0	2	3	67	51	48	0	-	-					
	Mildenhall	19	30.3	+6	WSW	3	b	54	92	7	-	-	-	-	30.4	+6	SW	3	b	54	92	7	-	7	-	0	1	-	68	49	39	3	Tr	5.5					
	Cranwell	240	30.2	+2	W	2	b	50	92	6	-	-	-	-	30.3	+4	SW	3	b	54	85	6	-	8	-	0	Tr	-	68	48	46	-	-	10.1					
3	Birmingham	535	30.1	+10	SW	3	b	49	97	8	-	-	-	-	30.3	+2	SW	2	bc	52	85	8	7	5	5	1	2	3	67	48	45	0.3	-	9.8					
	Upper Heyford	408	30.4	+10	SW	3	b	49	97	8	-	-	-	-	30.3	+2	SW	1	f	49	97	2	5	-	-	10	10	1	71	44	44	0.2	Tr	-					
4	Ross-on-Wye	223	30.1	+10	S	3	b	49	97	8	-	-	-	-	30.4	0	SW	3	bc	54	85	7	5	-	-	2	4	6	67	47	39	0.2	Tr	9.7					
	Hartland Point	299	30.3	+2	W	4	bc	57	85	8	-	-	-	-	30.3	0	WSW	4	c	58	85	8	8	-	-	1	7	8	63	53	53	-	0.5	10.5					
5	Bristol	209	30.4	+6	SSW	3	b	53	85	7	-	-	-	-	30.5	+6	SSW	3	c	54	85	7	8	3	6	2	3	3	66	52	45	-	-	11.3					
	Portland Bill	32	30.4	+6	SW	3	bc	58	92	8	-	-	-	-	30.5	+2	W	3	c	57	85	8	2	4	-	-	4	6	61	54	-	-	-	-					
	Plymouth	82	30.6	+6	-	0	b	51	97	7	-	-	-	-	30.6	+6	W	0	bc	49	97	2	5	-	-	-	4	6	64	47	39	-	-	10.4					
	The Lizard	240	30.5	+6	W	3	bc	54	97	8	-	-	-	-	30.6	+6	W	2	bc	55	97	8	8	6	-	-	4	6	65	53	-	-	-	12.4					
	Scilly (St. Mary's)	163	30.5	+2	W	2	b	54	97	8	-	-	-	-	30.6	+6	W	2	bc	55	97	8	8	4	1	4	6	64	53	-	-	-	-	11.4					
	Guernsey	175	30.5	+2	W	2	b	54	97	8	-	-	-	-	30.6	+2	W	2	bc	55	97	8	8	4	1	4	6	64	53	-	-	-	-	-					
6	Pembroke	142	30.3	+4	W	5	bc	57	92	7	-	-	-	-	30.3	+4	WSW	1	bc	58	85	8	2	4	3	2	3	4	62	56	-	-	-	11.6					
	Holyhead (Valley)	26	30.0	+2	WSW	4	bc	57	85	8	-	-	-	-	30.1	+6	SW	5	c	58	85	8	8	4	1	4	6	63	53	52	Tr	Tr	-						
7	Chester (Sealand)	16	30.1	+6	SW	2	c	57	85	7	-	-	-	-	30.2	+6	SW	2	bc	57	85	8	8	4	8	4	6	68	53	48	Tr	Tr	12.8						
	Manchester	70	30.1	+6	S	2	bc	51	92	6	-	-	-	-	30.2	+6	S	3	bc	54	85	6	8	3	-	-	2	3	68	51	48	Tr	Tr	10.8					
10	Spurn Head	29	30.1	+6	SW	3	b	54	75	7	-	-	-	-	30.1	+4	WSW	3	b	45	85	7	-	-	-	0	1	-	66	51	-	-	-	6.1					
	Catterick	175	30.0	+4	S	1	b	52	92	7	-	-	-	-	30.1	+8	SSW	2	c/pr	53	92	7	8	7	-	-	7	8	65	51	47	-	Tr	9.4					
10	Tynemouth	108	30.0	+4	S	3	bc	54	85	7	-	-	-	-	30.0	+8	SSW	3	c	55	85	6	8	-	-	-	7	8	65	52	49	-	-	-					
	St. Abbs Head	280	30.0	+4	SW	4	bc	51	92	7	-	-	-	-	30.0	+10	SW	4	c	53	92	8	5	4	-	-	4	6	63	50	-	-	-	-					
11	Leuchars	36	30.6	+6	WSW	2	bc	53	92	6	-	-	-	-	30.7	+6	SW	3	bc	54	92	7	8	7	-	-	4	6	64	51	45	Tr	Tr	5.4					
	Renfrew (Abbots)	19	30.7	+6	SW	2	m/d	55	92	4	-	-	-	-	30.7	+6	SW	3	bc	56	85	6	8	3	-	-	7	8	61	54	49	0.6	0.1	2.0					
12	Eskdalemuir	794	30.8	+4	W	3	bc	55	85	8	-	-	-	-	30.8	0	SW	4	c	53	92	6	5	-	-	-	10	10	59	49	45	5	2	1.4					
	Point of Ayre	30	30.8	+4	W	3	bc	55	85	8	-	-	-	-	30.9	+2	W	3	c	54	92	8	4	4	-	-	7	8	67	51	-	-	-	7.3					
13a	Tiree	22	30.7	+6	SW	4	bc	54	92	7	-	-	-	-	30.7	0	SW	4	c	55	85	8	3	-	-	-	4	6	60	53	-	-	-	3.7					
	Stornoway	80	30.2	+6	S	4	c	55	85	7	-	-	-	-	30.2	+10	S	5	c	55	92	7	8	7	8	4	6	59	53	-	-	-	2.2						
15	Dalwhinnie	1176	30.1	+4	S	4	c	55	85	7	-	-	-	-	30.6	+2	SSW	3	c	50	85	8	8	3	-	-	4	6	56	49	45	0.5	1	1.1					
	Aberdeen	79	30.1	+4	S	4	c	55	85	7	-	-	-	-	30.6	+8	SW	2	bc	54	85	7	5	9	1	Tr	7	8	64	52	47	Tr	Tr	9.0					
16	Wick	119	30.3	+4	SW	1	c	52	85	8	-	-	-	-	30.4	+6	SW	3	c	54	85	9	8	4	3	4	6	64	46	-	-	-	-	-					
	Sumburgh	30	30.4	+6	SE	3	c	54	92	8	-	-	-	-	30.5	+10	E	1	c	53	97	8	5	-	-	-	9	9	56	49	37	-	-	-					
17	Blackod Point	18	30.7	0	W	4	c/pr	54	92	8	-	-	-	-	30.8	+2	W	5	bc	56	92	8	3	-	-	4	2	3	61	53	-	-	-	-					
	Malin Head	84	30.5	+4	SSW	3	bc	55	92	7	-	-	-	-	30.5	+2	SW	4	c	58	92	8	9	-	-	5	4	6	60	51	-	-	-	4.6					
18	Aldergrove	268	30.8	0	SW	3	bc	54	92	7	-	-	-	-	30.8	-2	SW	4	c/pr	54	92	9	5	3	-	-	7	8	62	51	49	4	1	2.2					
	Birr Castle	173	30.0	+2	SSE	1	bc	54	92	8	-	-	-	-	30.0	+2	S	3	c	58	85	8	5	7	-	-	7	8	64	54	49	1	-	8.1					
20	Valentia Obay.	30	30.2	+2	SW	2	c/pr	56	92	8	-	-	-	-	30.3	+6	W	4	c	57	92	8	8	-	-	9	8	64	54	49	Tr	Tr	11.5						
	Roches Point	22	30.3	+4	W	3	b	53	92	8	-	-	-	-	30.6	+4	W	3	bc	58	97	8	3	-	-	1	4	6	64	52	-	-	-	-					



PAST 24 HOURS.

**NOTE.**—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2



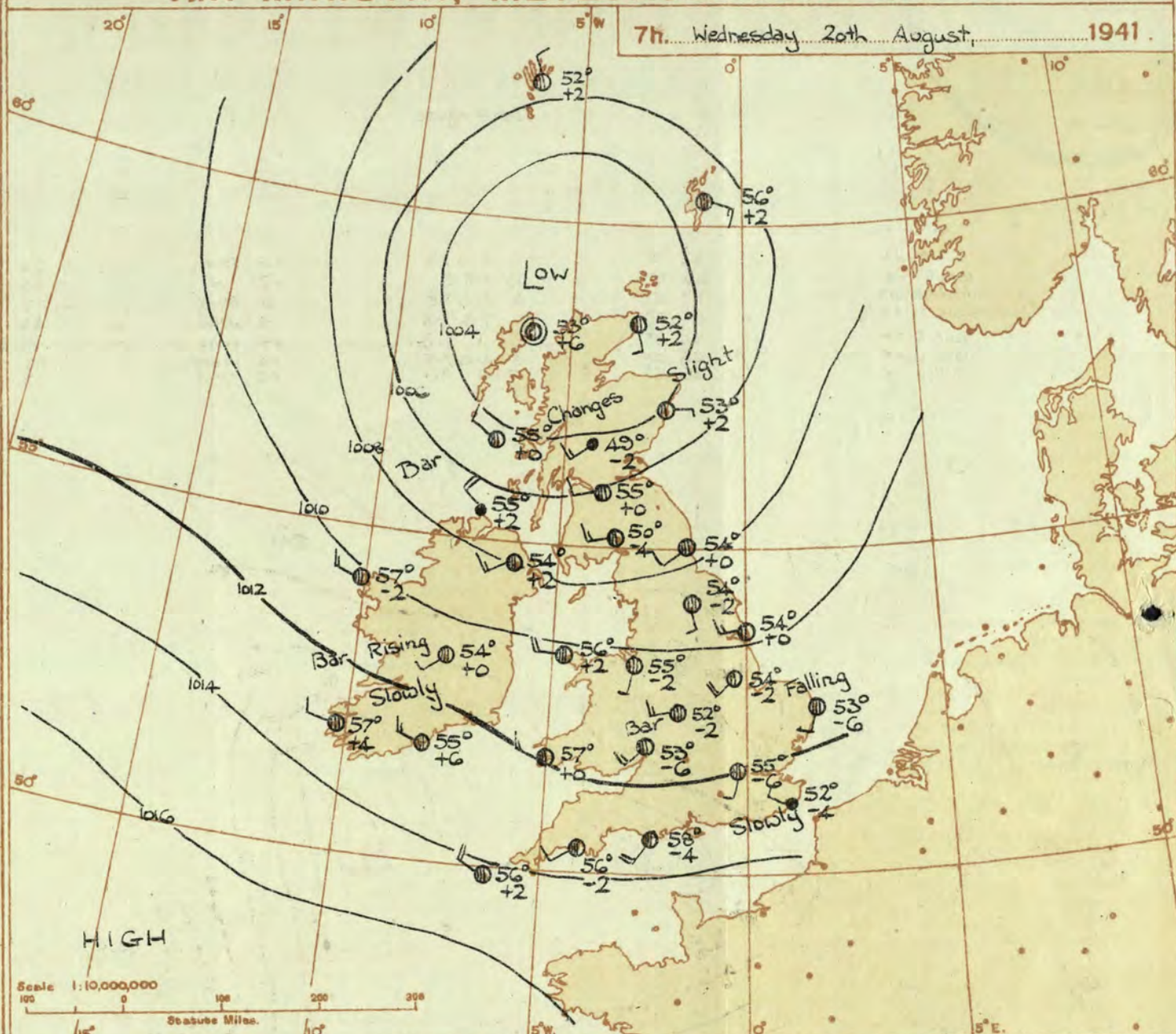
Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 20th August				18h. G.M.T.				01h. G.M.T. 20th August				07h. G.M.T.			
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN
109	83	01853	15314	99	05653	13414	5-	05765	12115	52	05633	11127			
115	52	10844	28387	52	81944	08287	57	02944	16185	57	02944	20226			
203				8-	55935	16486				8-	81837	16327			
206	84	02965	24327	8-	10857	20387	8-	01855	22125	83	15865	24187			
210	83	01964	15414	86	02964	04186	50	00863	18183	53	01974	00025			
220	53	01755	26385	53	02845	27317				02	02847	27387			
230	87	82747	20388	86	10846	20387	8-	81643	20286	9-	81847	20287			
245	86	81855	18387	83	10766	15487	5-	05562	00082	53	05654	21217			
260	82	25864	20484	83	10855	20317	50	05662	20182	84	81755	20386			
278	87	01844	18315				5-	01864	22314	8-	81876	22386			
279	8-	02954	52485	83	01864	20415	50	01843	20383	84	02856	22227			
285	23	25745	24486	23	02745	24587				23	25635	24287			
288	8-	02854	20285	36	01853	18315	50	22644	18364	87	22645	18267			
575	83	82745	24485	87	81844	26387	5-	00843	22283	8-	81847	24387			
801	23	01953	22414	27	02953	22425	8-	02756	23466	16	02845	26387			
321	87	02754	19425	96	81745	27396	5-	25664	17294	53	05675	20227			
299	8-	81656	22386	5-	95655	20395	50	05654	22314	8-	05545	22315			
292	36	05654	20317	86	02865	17227	50	25563	17283	57	81654	22188			
310	--	01756	26415	--	01645	24415				--	44109	24349			
614	33	25655	22386	23	25653	24385	50	05554	24114	53	05566	22227			
333	24	02854	22425	8-	02857	20427	8-	02855	20315	83	01744	24313			
334	--	02745	24416	--	53537	26258				--	02645	20217			
340	36	10854	22385	26	02954	22415	5-	22775	18365	33	01853	22386			
136	84	81854	18316	8-	01862	20384	06	00690	20312	59	2922	19386			
336	52	02653	20468							52	22762	20367			
350	87	02855	18327	36	10754	16485	50	05652	18202	57	01723	14214			
368	86	02963	24516	27	02845	21527									
379	26	25854	20385	33	01844	20314	3-	25648	20388	--	48109	20289			
390	20	01764	22315	86	81856	23397	00	05690	22110	53	25554	00086			
382	86	02867	22327				04	00790	20102	53	01951	21214			
438				80	01954	22414	2-	01754	22214	30	25953	22183			
430				23	02854	21416	57	02856	21346	87	25755	27387			
409	34	00862	22483												

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 20th August, 1941.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th August, 1941.

1 S.E. England	Mainly moderate S.W. wind. Local showers, perhaps with thunder, and bright intervals. Becoming cloudy, with rain spreading from west later. Temperature a little below average.
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.	As 1-8.
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	As 1-8.
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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.

GENERAL INFERENCE.

A depression centred over North Scotland is almost stationary and is filling up slowly, while a trough of low pressure is advancing from the Atlantic. There will be bright intervals and showers at first, with local thunder, but general rain will spread across from the west later.

FURTHER OUTLOOK.

Unsettled with rain at times in all districts.

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

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

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

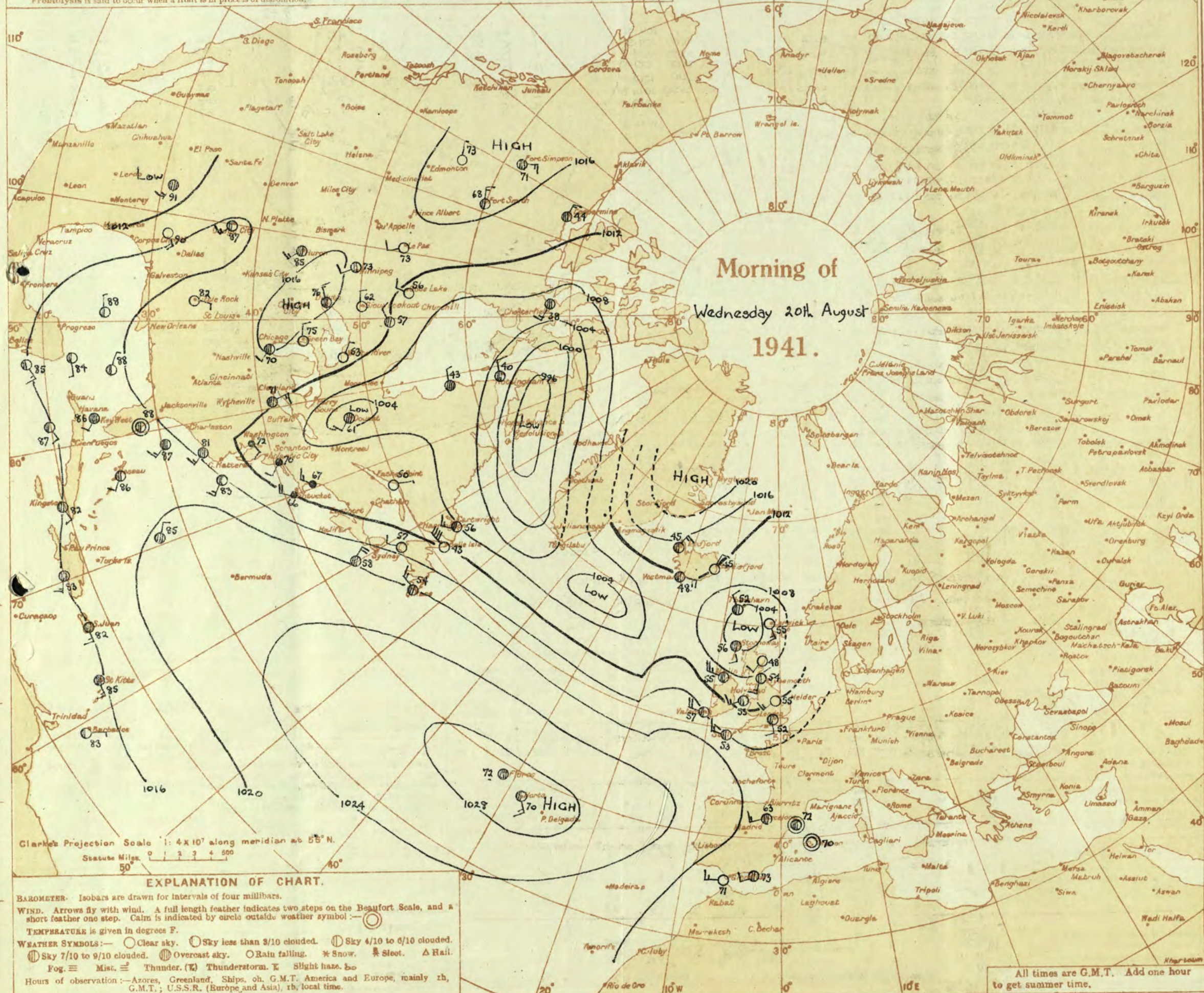
2269/4120. W. 5/76 D. 8034. Gp. 248 3300 8/41



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front:** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front:** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.  
 In certain cases the boundary is not recognizable 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.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 20th August															OBSERVATIONS at 7 hr. G.M.T. 20th August															PAST 24 HOURS.														
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity.	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity.	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity.	TEMPERATURE.					RAINFALL.		SUN-SHINE Hrs.
					Direc.	Force.					Low.	Med.	High.	Low 0-10.	Total 0-10.			Height (feet).	Direc.					Force.	Form.	Amount.	Low 0-10.	Total 0-10.			Height of Base (feet).	State of Ground.					Sea.	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.		
1	London (Kew)	18	1013.7	-10	S	2	bc	52	97	8	2-3	2-3	4000	1011.4	-6	SSW	2	20	56	92	6	5	-	-	4-6	4-6	2500	1	66	54	42	4	2	8-1										
	Croydon	217	1013.7	-10	S	2	bc	52	97	8	2-3	2-3	4000	1011.9	-6	SSW	1	C	55	97	7	2	3	-	1	7-8	2500	1	65	51	50	0.2	4	10-2										
	S. Farnborough	226	1013.4	-12	SSW	1	bc	53	97	8	2-3	2-3	4000	1011.7	-2	SW	1	C	55	97	8	8	3	5	1	2-3	2000	1	68	52	44	6	6	5-2										
	Boscombe Down	417	1013.5	-6	SW	1	pr	52	97	7	2	6	-	4-6	7-8	2500	1012.5	-2	SW	2	bc	53	97	8	8	4	3	1	4-6	3000	1	66	49	46	4	3	6-4							
	Thorney Island	10	1013.7	-14	WN	2	20	58	85	6	4	-	-	2-3	2-3	1500	1012.3	-2	W	2	bc	56	92	7	8	6	-	2-3	2-3	1500	1	67	54	53	-	5	*							
	Lymington	346	1015.3	-4	WSW	2	20	53	97	6	4	-	-	4-6	4-6	2500	1013.8	-4	WNW	2	RR	52	97	8	5	2	-	Tr	3	3500	1	67	51	44	3	8	9-8							
	Manston	154	1013.7	-10	SWW	2	20	52	97	6	-	3	-	0	Tr	-	1012.0	-6	SWW	2	16	54	92	8	8	7	-	1	3	3000	1	67	51	45	3	0.5	7-5							
2	Shoeburyness	11	1012.7	-6	WSW	3	20	56	92	6	5	-	-	1	1	6000	1012.2	-2	SSW	2	C	56	85	8	8	7	2	1	7-8	4000	1	65	54	45	Tr	-	10-5							
	Felixstowe	15	1012.9	-4	SSW	3	20	56	85	6	5	-	-	1	1	1500	1011.7	-2	WSW	3	20	56	97	6	8	4	-	3	9+	4000	1	65	53	51	0.2	-	9-6							
	Gorleston	5	1012.9	-4	SSW	3	20	56	85	6	5	-	-	1	1	1500	1011.6	-6	SSW	2	C	53	92	7	5	7	-	2-3	7-8	2300	0	68	53	50	-	Tr	*							
	Mildenhall	19	1012.0	-2	SW's	3	20	53	97	7	5	4	-	Tr	1	4000	1010.6	-4	SW	2	C	54	97	7	5	7	-	7-8	3+	6000	0	68	52	45	-	Tr	3-3							
	Cranwell	240	1011.1	-6	SW	3	20	51	92	6	5	4	-	2-3	2-3	4000	1009.7	-2	SW	4	bc	54	85	7	5	4	1	0	2-3	5000	1	65	50	48	1	0.6	7-5							
3	Birmingham	535	1012.9	-6	SSW	2	b	50	97	7	5	3	-	Tr	1	3000	1014.4	-2	WSW	3	C	52	92	8	8	7	-	4-6	5	1500	1	65	50	45	1	-	9-3							
	Upper Heyford	408	1012.9	-6	SSW	2	b	50	97	7	5	3	-	Tr	1	3000	1011.2	-4	WSW	2	C	51	97	6	5	4	-	7-8	7-8	300	1	64	48	45	Tr	Tr	*							
4	Ross-on-Wye	223	1012.9	-6	SSW	2	b	50	97	7	5	3	-	Tr	1	3000	1010.8	-6	SW	3	C	53	92	8	8	-	-	5	9	2500	1	66	50	46	1	0.4	7-2							
5	Hartland Point	299	1012.8	-4	WNW	3	pr	56	85	8	3	-	-	4-6	4-6	1500	1011.6	-2	WNW	3	C	57	85	8	8	4	-	4-6	7-8	1500	1	61	53	52	Tr	*	6-3							
	Bristol	209	1013.7	-6	SSW	1	pr	54	92	7	8	-	-	9+	9+	3200	1012.1	-2	SSW	3	bc	54	85	8	8	6	3	2-3	4-6	2500	1	66	51	44	1	2	8-4							
	Portland Bill	32	1013.2	-14	WSW	4	C	58	85	8	4	-	-	7-8	7-8	4000	1012.3	-4	SW	4	C	58	92	8	2	4	-	4-6	7-8	4000	2	60	55	*	-	-	*							
	Plymouth	82	1014.6	-6	W	1	b	55	97	7	5	-	-	1	1	4000	1013.4	-2	SW	2	C	56	92	7	5	-	-	7-8	7-8	3000	1	62	53	49	1	1	5-3							
	The Lizard	240	1014.5	-4	WNW	4	bc	54	97	8	8	-	-	2-3	4-6	2500	1016.4	-4	W	3	C	56	92	8	8	6	-	7-8	7-8	1500	1	65	53	*	-	1	10-0							
	Scilly (St. Mary's)	163	1014.7	-6	WNW	3	bc	53	97	8	8	4	-	4-6	4-6	1500	1013.4	+2	WNW	4	pr	56	97	8	8	7	-	7-8	9+	1500	1	65	53	*	-	1	7-9							
	Guernsey	175	1012.1	-2	W	4	bc	57	92	7	4	-	-	4-6	4-6	2500	1010.8	0	WNW	3	C	57	97	7	8	6	-	7-8	9	2000	1	60	55	*	-	9	8-2							
6	Pembroke	142	1012.1	-2	W	4	bc	57	92	7	4	-	-	4-6	4-6	2500	1010.8	0	WNW	3	C	57	97	7	8	6	-	7-8	9	2000	1	60	55	*	-	9	8-2							
7	Holyhead (Valley)	26	1009.6	0	WSW	3	bc	55	92	7	5	-	-	4-6	4-6	3000	1009.5	+2	W	4	C	56	85	8	5	3	-	9	9+	1200	1	63	54	51	1	1	*							
	Chester (Sealand)	16	1010.2	-4	SSW	2	C	56	85	7	5	-	-	7-8	7-8	2000	1009.1	-2	SSW	1	C	55	85	8	5	3	-	7-8	9	2500	0	70	52	46	0.1	Tr	8-7							
8	Manchester	70	1010.0	-2	SW's	2	bc	53	85	7	5	-	-	4-6	4-6	3000	1008.8	-2	SW's	2	pr	54	92	6	9	3	-	9	9	2800	1	66	52	48	1	Tr	4-6							
10	Spurn Head	29	1009.9	+2	SW	3	b	55	85	7	-	4	-	0	1	-	1009.2	0	WSW	3	bc	54	85	7	7	6	-	2-3	4-6	4000	0	68	52	*	Tr	-	10-2							
	Catterick	175	1008.9	-6	SE	1	20	53	92	5	5	-	-	4-6	4-6	4500	1007.8	-2	SE	1	C	54	87	7	8	3	2	4-6	3+	4000	1	66	52	50	Tr	3	6-0							
	Tynemouth	108	1008.8	-6	8	3	20	54	85	6	2	-	-	4-6	4-6	2500	1007.7	0	SW	2	20	54	85	7	5	-	-	9+	9+	4000	0	65	54	50	-	3	*							
11	St. Abbs Head	280	1006.0	-2	SW	4	C	53	92	8	5	4	-	4-6	7-8	2500	1005.7	+2	SW	4	C	51	92	9	4	4	2	4-6	7-8	2500	1	60	50	*	-	Tr	*							
	Leuchars	36	1005.3	-2	WSW	1	20	53	92	6	5	-	-	4-6	4-6	2200	1004.5	+2	WSW	2	20	53	92	6	5	4	3	2-3	4-6	2800	1	64	49	43	2	0.1	4-1							
12	Renfrew (Abbots I.)	19	1006.2	-2	SWW	1	bc/pr	54	92	3	8	-	-	2-3	2-3	1000	1005.4	0	WSW	2	C	53	85	7	8	3	-	7-8	7-8	2500	1	63	52	47	0.1	2	4-3							
	Eskdalemuir	794	1007.8	0	W's	3	C	55	92	7	5	-	-	7-8	7-8	4000	1005.9	-4	WSW	3	pr	50	92	6	5	-	-	7-8	7-8	1500	1	59	52	42	5	-	0-0							
	Point of Ayre	30	1007.8	0	W's	3	C	55	92	7	5	-	-	7-8	7-8	4000	1007.2	0	WNW	4	pr	54	92	8	8	7	-	4-6	9	3000	1	67	53	*	-	0.2	5-9							
13A	Tiree	22	1004.6	0	WNW	3	bc	54	85	8	5	-	-	4-6	4-6	2500	1004.1	0	WNW	2	C	55	85	8	8	3	-	4-6	7-8	2500	1	60	53	*	0.5	0-6	*							
13B	Stornoway	80	1002.1	+2	S	2	pr	56	85	7	8	7	-	2-3	10	1000	1002.5	+6	-	0	C	53	92	7	8	7	-	7-8	10	1000	1	57	53	*	8	2	1-5							
15	Dalwhinnie	1176	1004.6	0	W's	3	C	54	85	8	5	-	-	4-6	4-6	2500	1004.2	-2	SW	3	ido	43	92	7	5	-	-	9+	9+	1500	1	61	47	42	1	1	6-3							
	Aberdeen	79	1004.0	0	-	0	C/r	52	92	8	5	-	-	7-8	7-8	5700	1003.5	+2	SE	1	C	52	92	8	5	-	3	7-8	7-8	7200	0	62	49	45	-	-	5-7							
	Wick	119	1004.0	0	-	0	C/r	52	92	8	5	-	-	7-8	7-8	5700	1003.5	+2	SE	1	C	52	92	8	5	-	3	7-8	7-8	7200	0	62	49	45	-	-	5-7							
16	Sumburgh	30	1005.8	-6	SSE	3	b	55	97	7	5	4	-	Tr	1	800	1005.4	+2	ESE	3	C	56	97	7	5	3	-	4-6	9+	700	3	61	53	49	*	*	*							
17	Blackod Point	18	1010.6	0	WNW	5	bc	55	92	7	4	-																																



AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

**SECRET**  
BRITISH SECTION  
Thursday 21st August 1941.  
No 23127

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

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

PAST 24 HOURS.

District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibilty. 0-9 (8)	Cloud.						Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibilty (22)	Cloud.						State of Ground. (29)	Sea. 0-9 (30)	WEATHER.				
				Direc. (3)	Force. 0-12 (4)					Low. (9)	Med. (10)	High (11)	Amount.		Height of Base. (feet) (14)			Low. (23)	Med. (24)					High (25)	Amount.		Height of Base (feet) (28)	7h.—13h. 20th... (37)	13h.—18h. 20th... (38)			18h.—24h. 1h. 21st. (39)	1h.—7h. 21st... (40)			
													Low 0-10 (12)	Total 0-10 (13)											Low 0-10 (26)	Total 0-10 (27)										

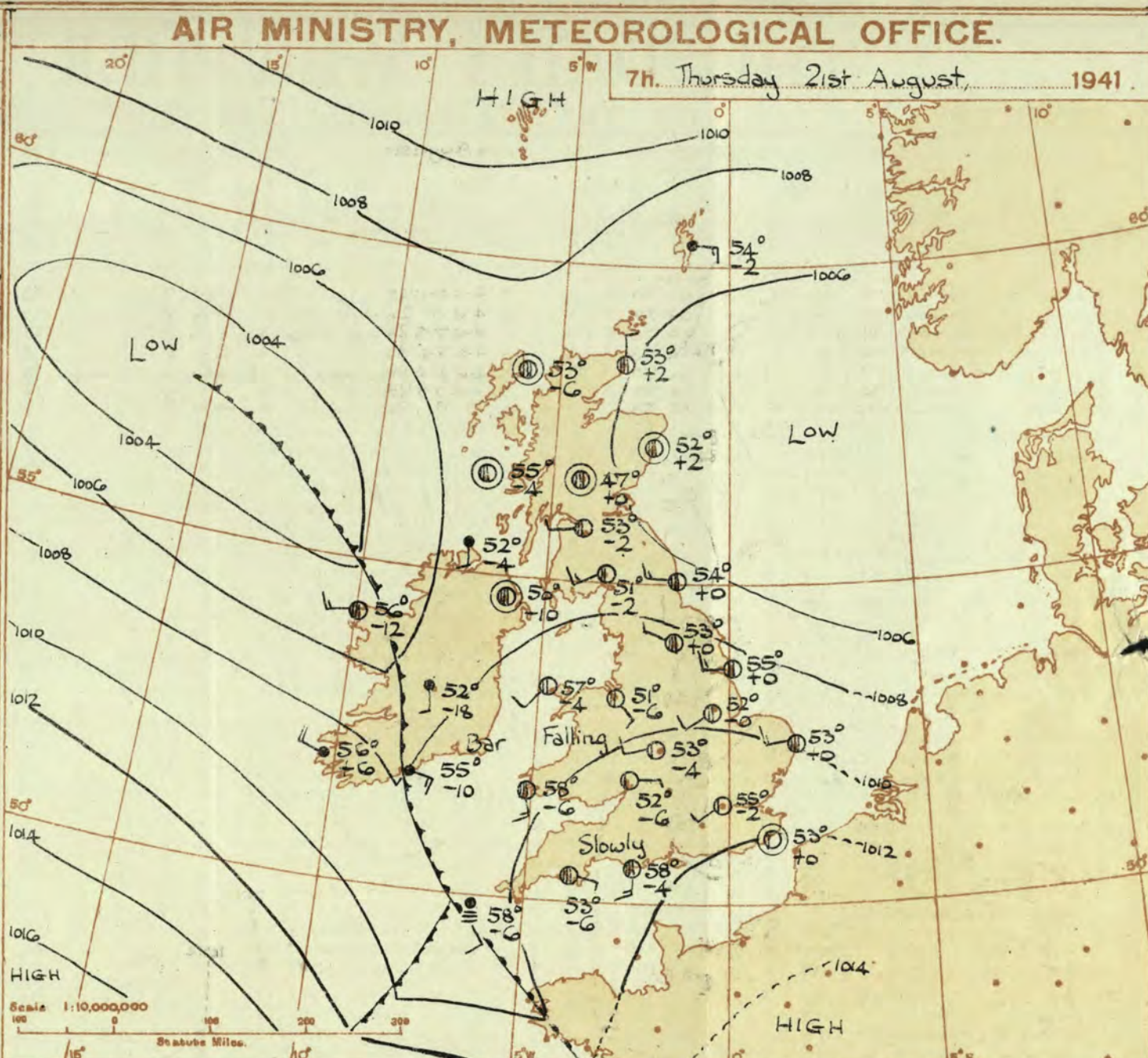
1	London (Kew)...	1010.2	+8	W/N	3	bc/pr	62	55	8	4	3	4-6	4-6	2500	1010.0	+2	WSW	2	c	62	75	8	8	-	-	2500	1	*	bcwps	clprc	prc	bcw	bcw		
	Croydon ...	1010.6	-8	W	3	pr	62	75	8	3	6	4-6	9	2000	1010.8	0	WSW	3	c	60	85	7	3	6	-	2-3	7-8	3500	1	*	cbcp	prclrc	c, b	bw	
	S. Farnborough	1010.3	-10	WSW	4	c	60	55	8	3	3	-	4-6	7-8	2000	1010.9	+4	W	3	c	60	75	8	3	3	-	7-8	7-8	2000	1	*	cpcc	bcysprc	c, b, c	bw
	Boscombe Down	1010.9	-10	W	4	c	63	65	8	8	6	-	4-6	7-8	3000	1011.8	0	W/N	4	bc	61	55	8	2	6	2	1-2	3-3	3500	0	*	bcpc	pc	bc	bc
	Thorpey Island	1011.5	-2	W	4	bc/pr	64	75	8	3	6	-	4-6	4-6	1500	1011.4	-2	WSW	4	bc	61	75	8	6	1	2-3	2-3	4000	1	*	bcprbc	bcprbc	bc	bc	
	Lymington	1011.7	-10	WSW	1	c/pr	63	75	8	9	6	3	4-6	7-8	2500	1012.4	+6	W	2	c	64	85	8	9	6	3	4-6	7-8	2200	1	3	c	PR	PR	pr
	Manston	1010.1	-10	N/E	1	TLR	58	85	6	3	6	3	4-6	7-8	2000	1010.7	+4	WSW	2	c/pr	58	85	8	9	6	3	4-6	7-8	1500	1	*	TLR	prclrc	prc	bc
2	Shoeburyness ...	1010.9	-12	SSW	2	c	64	65	7	7	-	7-8	7-8	2500	1011.0	+4	W/S	3	pr	61	75	6	6	4	-	7-8	7-8	1500	1	*	clpr	clpr	b, m	bc	
	Felixstowe ...	1009.3	-14	SSW	4	c	62	75	6	3	-	7-8	9	1500	1009.3	+2	W/N	3	c	64	65	8	2	6	3	4-6	7-8	2500	1	2	cpcc	prclrc	prc	bc	
	Gorleston ...	1009.5	-10	S	4	c	62	65	7	8	-	-	7-8	7-8	3000	1009.6	0	SE	1	c	60	75	7	8	7	-	4-6	7-8	2500	1	2	bcpr	clrc	b	bc
	Mildenhall ...	1009.1	+10	W	3	c/pr	59	85	8	8	7	3	7-8	7-8	3000	1009.6	0	WSW	1	c	58	85	8	8	6	-	4-6	7-8	3000	1	*	bcpr	clrc	b, m	bc
	Cranwell ...	1009.5	0	SW	4	clrc	55	85	7	3	6	3	7-8	9	2000	1009.8	+2	WSW	3	bc	59	75	7	8	6	-	4-6	7-8	3000	1	*	clrc	clrc	b, m	bc
3	Birmingham ...	1009.2	-4	W	2	c	61	65	8	7	-	4-6	7-8	2500	1009.7	+2	WNW	2	bc	62	65	8	8	4	-	4-6	7-8	4000	1	*	bcpr	clrc	b	bc	
	Upper Heyford	1009.9	-6	W/S	4	bc	63	65	8	3	-	4-6	7-8	1500	1010.0	-2	W	3	bc	60	75	8	4	6	1	2-3	4-6	2000	1	*	cpcc	cpcc	b, m	bc	
4	Ross-on-Wye ...	1010.5	-6	W/N	2	bc/pr	61	75	8	2	-	4-6	7-8	4000	1010.7	+4	W	2	c	61	65	8	8	4	1	2-3	4-6	4000	0	*	cpcc	cpcc	b, m	bc	
5	Hartland Point	1012.6	+4	WNW	3	bc	60	75	8	4	4	-	4-6	7-8	2000	1012.3	-6	W	4	c	61	75	8	4	-	-	4-6	7-8	2500	0	4	bc	bc	b, m	bc
	Bristol ...	1011.2	-10	W	4	c	61	65	8	2	6	-	4-6	7-8	2500	1011.8	-2	W	4	bc	60	75	8	6	2	2-3	4-6	3000	1	*	bc	bc	b, m	bc	
	Portland Bill ...	1012.3	-4	W	4	c	61	75	8	2	-	-	7-8	7-8	4000	1012.2	-2	SW	5	c	60	85	8	2	4	-	4-6	7-8	4000	1	5	bc	bc	b, m	bc
	Plymouth ...	1013.8	+2	W	2	pr	60	85	7	8	-	-	9	9	1500	1013.6	-2	W	3	bc	62	65	8	8	-	1	4-6	7-8	2000	1	3	pr	pr	b, m	bc
	The Lizard ...	1014.4	+4	W/N	4	bc	61	85	8	8	4	-	4-6	7-8	2500	1014.4	0	W	3	bc	60	85	8	8	4	4	4-6	7-8	3500	0	3	bc	bc	b, m	bc
	Scilly (St. Mary's)	1014.8	+2	W/N	3	c	62	80	8	2	6	1	7-8	1800	1013.7	-8	W/S	2	c	60	85	8	8	7	-	4-6	7-8	1800	0	3	cpcc	cpcc	c	bc	
	Guernsey ...	1014.8	+2	W/N	3	c	62	80	8	2	6	1	7-8	1800	1013.7	-8	W/S	2	c	60	85	8	8	7	-	4-6	7-8	1800	0	3	cpcc	cpcc	c	bc	
6	Pembroke ...	1012.4	0	S/E	4	bcq	59	85	8	2	4	3	2-3	2-3	2500	1011.1	-2	W/S	5	c	58	92	7	2	4	4	1-7	7-8	2500	0	3	bcq	bcq	b, m	bc
7	Holyhead (Valley)	1009.4	+2	WSW	4	c	62	75	8	2	3	-	4-6	7-8	2500	1009.2	0	W	3	c	60	75	8	6	1	4-6	7-8	3500	0	2	bc	bc	b, m	bc	
	Chester (Sealand)	1009.1	0	WNW	5	c	62	65	8	3	6	-	7-8	9	2500	1008.9	-4	W/N	3	c	60	75	8	8	6	-	4-6	7-8	2000	0	*	cpcc	cpcc	b, m	bc
8	Manchester ...	1008.5	-4	W/N	4	pr	62	65	8	9	6	3	4-6	7-8	2500	1008.8	+2	W	4	c	59	75	8	2	3	-	7-8	7-8	2500	0	*	prclrc	prclrc	b, m	bc
10	Spurn Head ...	1008.3	-4	W/S	2	cl	59	75	7	8	6	-	4-6	7-8	4000	1008.1	0	SW	2	c	58	85	7	8	6	-	4-6	7-8	2500	0	2	cl	cl	b, m	bc
	Catterick ...	1007.2	0	W/N	2	c/pr	61	65	7	3	3	-	7-8	9	2500	1007.0	0	W	2	c	62	65	8	8	6	-	7-8	7-8	2500	0	*	prclrc	prclrc	b, m	bc
	Tynemouth ...	1006.5	-6	W	3	c	63	55	7	2	3	1	4-6	7-8	2500	1006.7	-6	W	3	c	61	65	7	2	3	-	7-8	9	3000	1	2	cpcc	cpcc	b, m	bc
11	St. Abbs Head	1005.1	-6	S	2	c/pr	58	85	3	8	4	3	4-6	7-8	3000	1005.0	-4	SW	2	bc	58	85	8	4	4	-	2-3	4-6	2500	1	1	erc	erc	b, m	bc
	Leuchars ...	1004.2	-6	-	0	pr	58	85	8	8	-	-	9	9	2200	1004.0	-2	SW	2	bc	61	75	8	3	7	3	2-3	4-6	2500	1	*	bcpr	bcpr	b, m	bc
12	Renfrew (Abbots L.)	1005.4	-2	W/S	3	c/pr	62	65	8	3	6	-	4-6	7-8	1500	1005.8	+2	WNW	3	c	59	75	8	8	3	4	7-8	9	2500	1	*	cpcc	cpcc	b, m	bc
	Eskdalemuir ...	1005.5	-2	SW/W	3	c/pr	59	85	8	8	4	-	4-6	7-8	2500	1005.7	+2	W/S	3	c	55	85	8	8	-	1	7-8	7-8	2500	1	*	cpcc	cpcc	b, m	bc
	Point of Ayre ...	1007.4	+2	SW	4	bc	67	55	8	2	3	-	2-3	4-6	2500	1007.9	+4	WNW	3	c	59	75	8	8	3	3	4-6	7-8	3000	0	3	bc	bc	b, m	bc
13A	Tiree ...	1006.2	+8	NW	3	bc	60	85	8	2	3	-	4-6	7-8	2800	1007.1	+4	WNW	4	bc	57	85	8	2	3	2	2-3	4-6	2800	0	4	bc	bc	b, m	bc
13B	Stornoway ...	1004.6	+6	WSW	1	pr	58	85	8	3	6	3	7-8	9	1200	1005.5	0	NW	3	c	57	85	8	2	4	3	4-6	7-8	2500	1	1	cpcc	cpcc	c	bc
15	Dalwhinnie ...	1004.5	-2	SW	3	c	56	75	8	8	-	-	7-8	7-8	2500	1005.4	+8	E	1	PR	53	85	8	5	-	-	9	9	2500	1	*	c	c	b, m	bc
	Aberdeen ...	1004.4	0	S	3	bc	60	75	8	9	-	-	4-6	7-8	2500	1004.2	0	SE	2	bc	58	75	8	9	-	3	2-3	2-3	2800	0	2	bc	bc	b, m	bc
	Wick ...	1004.4	+4	SE	2	bc	58	85	3	3	3	1	2-3	2-3	3000	1005.1	+2	SE/E	2	bc	58	85	8	3	6	3	2-3	2-3	4000	0	*	bc	bc	b, m	bc
16	Sumburgh ...	1006.0	+2	E/N	3	bc	60	85	7	8	3	1	2-3	4-6	1500	1006.4	+2	ES	3	c	57	97	7	5	3										



Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 2nd August				15h. G.M.T.				17h. G.M.T. 21st August				19h. G.M.T.			
III	C	wwVhN	DDFWN	C	C	wwVhN	DDFWN	C	C	wwVhN	DDFWN	C	C	wwVhN	DDFWN
109	27	00852	10313	07	01250	10113	04	00790	00023	83	05644	00024			
115	86	02934	14126	87	02844	12125	54	01843	12224	54	02844	20225			
203															
206	28	01864	08184	87	25864	08187	8-	25754	00084	87	10865	26127			
210	83	02964	08115	86	02964	08126	5-	01865	20125	5-	02858	22328			
220	8-	81846	28310	83	81846	28480									
230	8-	25856	20286	86	02855	24325	8-	02857	24117	87	25746	21287			
245	36	81855	12286	34	01845	15385	5-	05564	00015	52	62764	04268			
260	37	91855	20296	83	01863	22283	50	05661	22211	53	01763	22215			
278	86	25845	24387	8-	02867	28427	50	00862	26312	57	02843	00013			
279	8-	25746	21487	83	02854	24385	40	91853	22313	23	02862	23216			
285	23	81745	24487	23	01744	26584				23	02744	24427			
288	37	28846	00087	87	02864	22186	4-	01755	20225	04	01850	21215			
575	83	02855	26487	83	02855	24487	00	01750	12114	57	51635	10163			
801	26	02755	24486	53	02865	24416	5-	05644	28114	26	05654	14116			
321	20	05656	25226	23	05656	25396	50	05564	16124	00	05550	24214			
299	87	02755	22315	87	25754	26187	50	05643	22313	5-	05663	22213			
292	86	82854	20387	80	01765	23225	50	05663	24113	53	01761	22214			
310					01645	24315				--	46105	26443			
614	3-	29657	22197	8-	25746	22386	44	05651	22312	5-	43317	22227			
883	23	02855	22386	83	02863	22385	50	01863	24113	23	04652	20114			
334	--	62645	24386	--	02755	24216				--	04545	00016			
340	20	02955	22385				50	01764	00014	53	00741	14213			
136	9-	81755	20296	86	02764	19295	06	05650	22201	03	05550	20215			
336	52	03753	24427	23	01762	24314				13	01762	16314			
850	37	25754	16385	36	01764	18385				53	05623	16214			
368	86	02865	23425	14	01854	22415									
379	36	01854	20385	23	01853	20315	04	01750	20211	--	46205	20343			
390				26	82765	26387	00	05650	22100	53	08423	22104			
382	36	01864	24385	83	02864	22225	00	05650	00000	5-	05527	00027			
438										26	01753	26313			
430				36	00863	20313	50	00661	22101	20	00851	28201			
409	2-	12747	25327	5-	02855	23326	04	01850	00013	50	02777	10327			

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



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st August, 1941.
1 S.E. England	Light or moderate W. wind backing S.E.; fair at first with considerable bright periods; cloudy later with slight local rain; average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light or moderate S. or S.E. wind, veering W. later; occasional slight rain at first, with much coast and hill fog; local showers and bright intervals later; average temperature.
6 South Wales ...	
7 North Wales ...	Light westerly winds becoming S.E. to variable; fair at first; cloudy later with occasional rain; chance of thunder; average temperature.
8 N.W. England	
9 N. Midlands ...	Light variable to S.E. winds; fair at first; cloudy, with occasional rain later; average temperature.
10 N.E. England	
11 S.E. Scotland	Light variable to easterly winds; cloudy, with local showers; average temperature.
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	Light or moderate W. or N.W. wind; showers and bright intervals; average temperature.
13B. N.W. Scotland	
14 Mid Scotland	Light or moderate S.E. wind, veering W. or N.W.; cloudy, with some rain at first; showers & bright intervals later; average temperature.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

**BAROMETER.** Isobars are drawn for intervals of two millibars. **WIND, WEATHER SYMBOLS.** For explanation see opposite page. **SEA DISTURBANCE.** Rough, High. **BAROMETRIC CHANGE** from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

**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.

**GENERAL INFERENCE.**

A depression centred off N.W. Ireland and an associated trough extending to S.W. England are both moving eastwards. Weather will be fair at first in eastern districts, but occasional rain or showers will spread from the west to all districts. Temperature will be about normal.

**FURTHER OUTLOOK.**

Unsettled weather continuing, probably with local thunderstorms or thundery rain.

Forecasts issued at 1030h. G.M.T.  
H.M.S.O. Press, Meteorological Office, Dunstable.

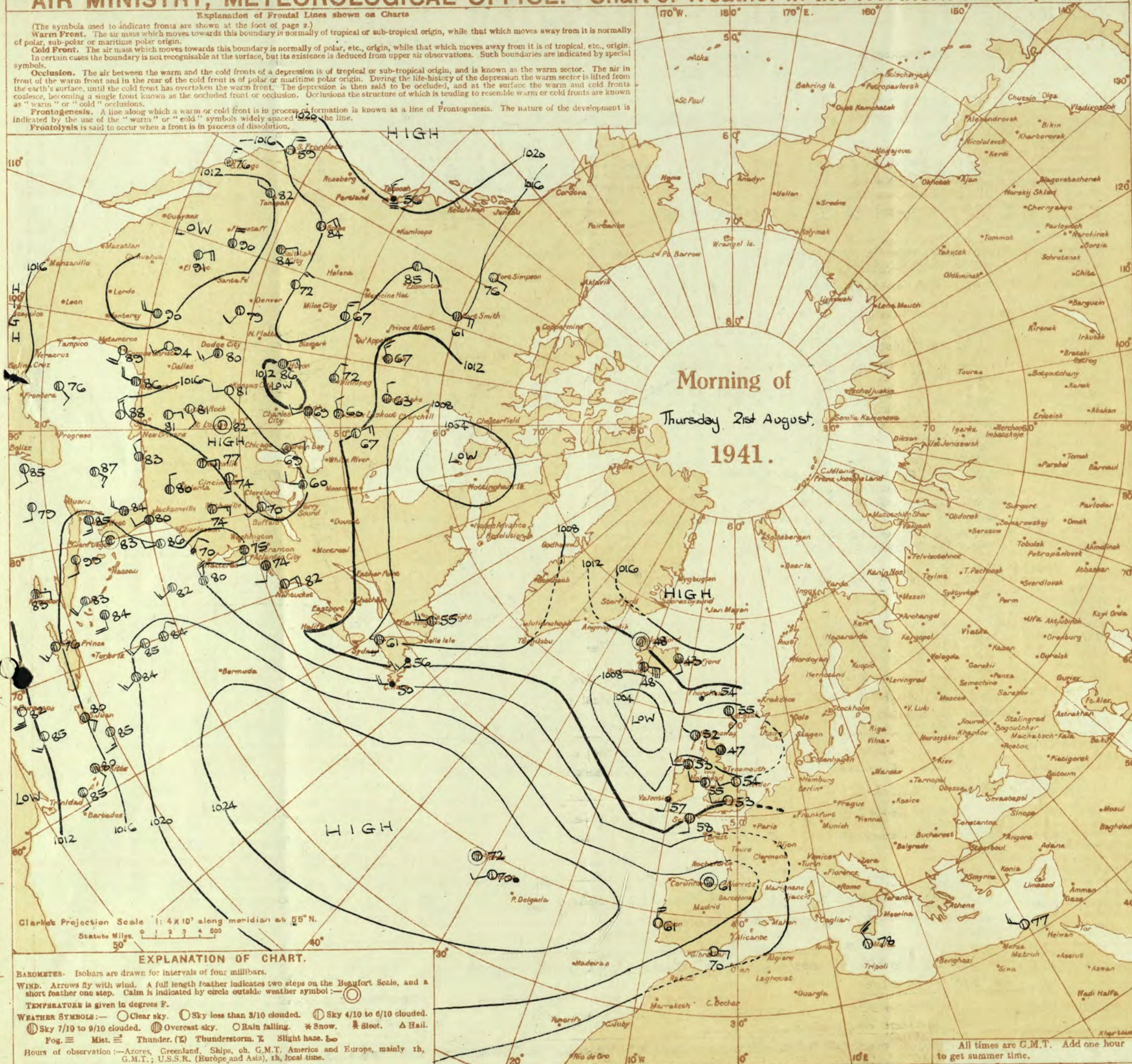
N. K. JOHNSON, D.Sc., A.R.C.S.,  
Director.  
G.268/4120. No. 976. 0.6034. 9p. 948. 3500. 3/41



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.  
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 21st August															OBSERVATIONS at 7 hr. G.M.T. 21st August															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (6)	Temp. °F. (7)	Humid. % (8)	Vis. (9)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (20)	Temp. °F. (21)	Humid. % (22)	Vis. (23)	Cloud.					State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		SUN-SHINE 25th Hrs. (36)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
					Direc. (3)	Force. (4)					Low. (10)	Med. (11)	High. (12)	Total (13)	Height of Base. (feet) (14)			Direc. (17)	Force. (18)					Low. (23)	Med. (24)	High. (25)	Total (26)	Height of Base. (feet) (28)			Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1	London (Kew) ... 18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										</



AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

**SECRET**  
BRITISH SECTION  
Friday 22nd August 1941.  
No. 29128

OBSERVATIONS at 13h. G.M.T. 21st August														OBSERVATIONS at 18h. G.M.T. 21st August														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	° Humid.	Visib. miles.	Cloud.					Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	° Humid.	Visib. miles.	Cloud.					Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	° Humid.	Visib. miles.	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
				Dir.	Force.					Low.	Med.	High.	Low.	Total.			Height of Base. (feet).	Form.					Med.	High.	Low.	Med.	High.			Low.	Total.					Height of Base. (feet).	State of Ground.	Sea.	7h.—13h. 21st...	13h.—18h. 21st...	18h.—21st 1st. 22nd	1h.—7h. 22nd																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1	London (Kew) ... Croydon ... S. Farnborough ... Boscombe Down ... Thorney Island ... Lympne ... Manston ...	1003.8 1010.2 1005.7 1010.4 1010.5 1011.7 1010.2	-6 -6 -6 -4 -4 -2 -4	SWW SSW WSW SW SW S SWW	3 3 4 3 3 2 3	c c c c bc bc c	63 63 66 64 65 65 65	65 55 55 65 75 65 55	8 8 8 8 8 8 8	2 2 3 6 2 2 2	- - - - 7 - 6	6 3 3 - 1 - 7	4-6 7-8 7-8 4-6 7-8 1-2 7-8	7-8 2500 2500 3000 2500 4000 4000	1007.5 1008.1 1007.4 1007.8 1008.6 1009.3 1008.5	-12 -6 -12 -10 -8 -10 -8	SSW SSW SSW SW SW SW SSW	3 3 3 4 3 2 2	c c bc c bc c c	61 62 62 60 62 61 63	75 75 75 85 85 75 65	8 8 8 7 8 8 9	- 4 2 2 3 1 2	4-6 2-3 4-6 2-3 7-8 7-8 7-8	2500 3000 4000 4000 4000 4000 3000	1 1 1 0 1 1 1	*	*	*	*	*	bewc bbeccy bbeccy Fabecc bfqW bmgw bmgw	c cyebe cyebe c be beve bbeccy	c beccin c t.c.m.be cdg.bm becomig becomig	c c bbeccr be enghbc enghbc n.c.m.b	c c bbeccr be enghbc enghbc n.c.m.b																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
2	Shoeburyness ... Felixstowe ... Gorleston ... Mildenhall ... Cranwell ...	1010.7 1009.5 1008.9 1008.9 1008.3	-6 -2 -2 -10 -8	SSW SSW SW WSW WSW	2 4 2 2 2	c c c c c	67 64 64 65 65	55 75 75 75 55	8 8 7 8 7	8 8 5 8 2	- - - - 3	2 3 3 2 3	4-6 7-8 4-6 7-8 4-6	7-8 2500 2400 2500 2000	1008.5 1007.6 1008.0 1006.6 1006.4	-10 -10 -6 -12 -6	SSW S'W S SW'S SW'S	2 3 3 3 3	bc c c c bc	64 63 65 66 60	75 75 65 68 75	8 8 7 8 7	5 5 3 2 5	2-3 7-8 4-6 7-8 7-8	4000 3000 2400 4000 1500	0 1 0 0 1	*	*	*	*	bmgw bmgw bbeccy bbeccy bbeccy	beccy beccy cyebe c bbeccy bbeccy	beccy beccy cyebe c bbeccy bbeccy	beccy beccy cyebe c bbeccy bbeccy																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
3	Birmingham	1008.2	-8	SE	1	c	63	55	8	8	7	-	3	3	2500	1008.6	-16	SSW	2	bc	62	65	6	5	-	10	10	1500	1	*	bc	60	75	8	8	4	-	7-8	3000	1	*	bmgw	beccy	beccy																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
4	Upper Heyford	1009.5	-4	SW	2	c	64	65	8	8	6	3	4-6	7-8	2000	1008.4	-18	SSW	3	c	64	65	8	8	7	-	7-8	3000	1	*	bc	60	75	8	8	4	-	7-8	3000	1	*	bmgw	beccy	beccy																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
5	Ross-on-Wye	1008.4	-8	SSW	3	c	65	65	8	7	3	3	4-6	7-8	4000	1006.0	-14	SW'S	2	bc	59	67	6	6	1	-	3	10	1500	1	*	bc	60	75	8	8	4	-	7-8	3000	1	*	bmgw	beccy	beccy																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
6	Hartland Point	1008.5	-10	WSW	3	bc	61	92	7	2	2	-	4-6	9	1500	1008.0	-4	WNW	4	c	59	85	8	2	4	-	7-8	3000	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85	6	5	-	-	10	10	1500	1	4	c	60	85



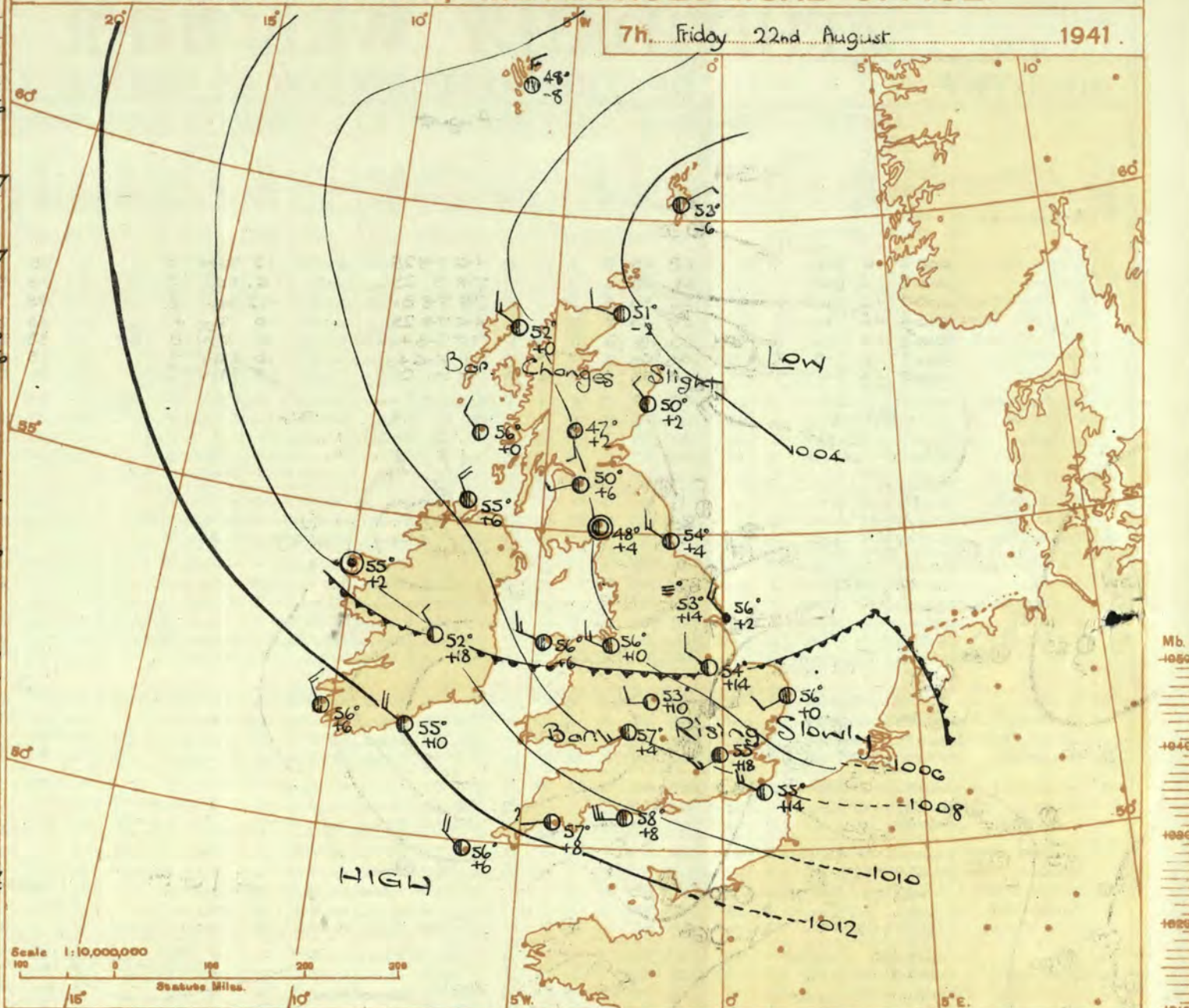
Abridged observations of additional stations in the

# AVIATION WEATHER CODE

13h. G.M.T. 25th August				18h. G.M.T.				01h. G.M.T. 22nd August				07h. G.M.T.			
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN
109	9	05745	06125	8	05675	04225	52	03745	22228	53	02823	28126			
115	8	05844	12226	84	05734	08226	52	05734	06227	84	05734	24126			
203	5	05833	24413	8	05833	04213	00	00830	24210	00	05830	32310			
206	8	02864	10226	87	02864	00086	5	02646	00026	53	02866	24127			
210	37	02864	01226	83	01852	07213	5	01754	00014	52	05644	22227			
220	53	25856	28386	83	81954	29113				80	02845	28115			
230	87	02864	20225	83	02952	20216	50	00852	24112	8	01844	28214			
245	94	82745	15367	87	25854	12187	52	05547	24168	73	02864	24267			
260	27	02853	32286	87	02764	22127	00	05530	24110	53	05574	22117			
278	52	62643	12263	87	62743	13267	87	62855	26284	87	01833	28314			
279	12	62753	21328	52	64645	20168	5	05658	08228	74	05655	28226			
285	23	08855	26428	27	81744	28188				23	05634	24466			
288	24	02854	22226	22	25665	02288	5	08468	00028	5	47348	24148			
575	87	02855	12157				5	02748	10158						
801	57	61754	26127	52	64634	12268	20	05644	24164	56	25754	30126			
321	87	02764	18117	62	64546	26168	62	22445	00068	53	05664	20244			
299	57	01754	14115				5	62448	22268	57	05644	26225			
292	87	02854	24217	57	63754	00068	02	03548	00068	03	05630	28144			
310	--	01653	26215	--	64623	24368				--	67103	26340			
614	84	02754	20326	57	61575	00087	50	05652	22162	8	25656	22286			
333	52	54625	16368	17	02843	18265	24	02855	22385	52	54635	24358			
334	--	64437	24268	--	56437	24158				--	02644	24315			
340	83	02856	21317	02	61668	14268	50	04663	24263	50	01874	00014			
136	86	02764	21316	87	02853	16286				5	02438	27568			
336	62	81653	16488	53	22763	16365				62	62653	24368			
350	27	02854	18326							54	01732	20413			
368	71	02975	14227	6	61727	22467									
379	23	02844	20325	53	02866	18327	57	02765	20366	54	01741	20311			
390	36	02874	23316	29	02763	17226	52	22645	24366	53	01763	26414			
382	15	02864	18217	89	02864	18327	50	01763	24303	03	00730	22313			
438	50	01854	20314							5	02755	24515			
430	24	01963	14314	85	01943	16213	50	00641	26311	8	01865	24315			
409	5	08418	17328	30	25846	25486	50	01743	58503	57	02844	57527			

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

## AIR MINISTRY, METEOROLOGICAL OFFICE.



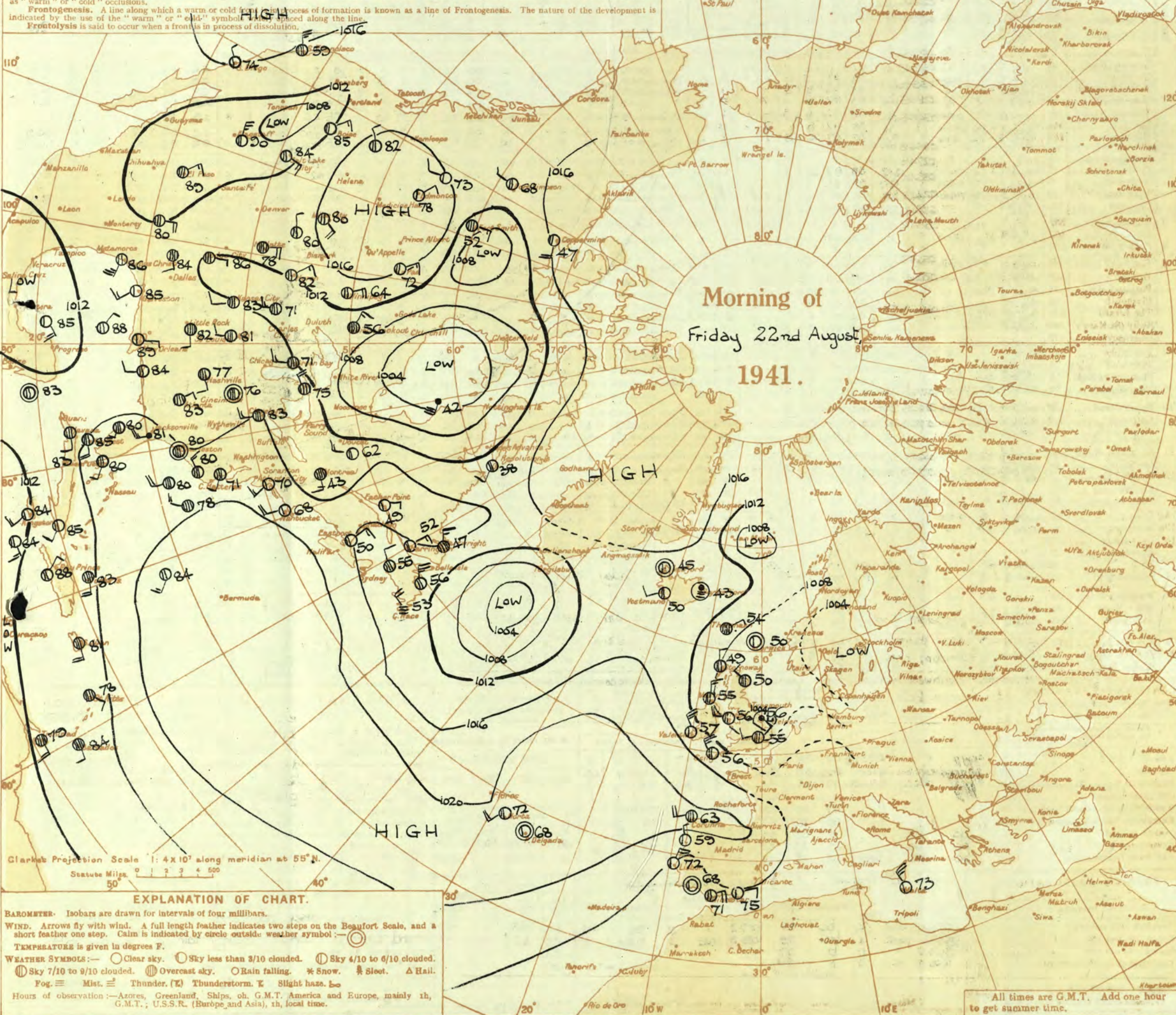


# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbol placed along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.

Morning of  
Friday 22nd August  
1941.



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



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Friday 22nd August.....1941.  
No 29128.

OBSERVATIONS at 1 hr. G.M.T. 22nd August.....															OBSERVATIONS at 7 hr. G.M.T. 22nd August.....															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. Miles (8)	Cloud.					Barom. M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. Miles (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		SUN- SHINE Hrs. (36)					
					Direc. (3)	Force. 0-12 (4)				Weather. (5)	Form.	Amount. (11)	Height of Base. (feet) (14)	Direc. (17)			Force. 0-12 (18)	Weather. (19)				Form.	Amount. (23)	Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)			Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)								
																																Low. (9)	Med. (10)		High (12)	Low 0-10 (13)	Total 0-10 (15)		
1	London (Kew) ... 18 Croydon ... 217 S. Farnborough ... 226 Boscombe Down ... 417 Thorney Island ... 10 Lymington ... 346 Manston ... 154	1006.4 1006.6 1008.0 1007.6 1007.3 1008.3	0 +2 +2 +2 -18 -20	WSW W W WNW SSW SW	2 3 4 4 2 -	b b b b b b	55 54 53 55 58 57	37 32 37 32 37 32	7 8 8 6 5 6	- - - - - -	- - - - - -	3 3 1 1 10 9	3 3 2-3 2500 400 10	1500 1008.5 1008.1 1003.2 1003.4 1008.9	+1G +18 +18 +6 +14 +14	WSW SWW W'S W WNW WNW	2 3 4 3 3 4	c bc bc bc bc bc	55 55 54 54 56 55	85 85 82 82 85 85	7 5 7 5 3 5	5 3 4 7 1 3	- - - - - -	1 1 1 1 1 1	2500 2500 3000 2000 2500 2500	1 1 1 1 1 1	66 69 68 66 65 66	54 52 51 49 54 51	49 50 48 46 51 50	- - - - - -	3 2 2 1 3 1	8.7 8.9 3.7 6.1 10.9 10.2							
2	Shoeburyness ... 11 Felixstowe ... 15 Gorleston ... 5 Mildenhall ... 19 Cranwell ... 240	1005.7 1006.6 1004.2 1003.8	+12 -10 -18 -14	SWW SWW SSW -	2 1 2 0	b b b b	58 53 57 55	87 85 87 87	* 6 6 4	* - 2 -	* - - -	10 10 7-8 10	10 10 3+ 10	2500 1500 4200 1200	+1G +8 +4 +14	WSW W SWW W'S	3 4 2 4	c bc c c	56 56 58 54	85 82 82 87	6 7 6 6	6 5 6 5	7 4 - -	- 4 - -	1 1 1 1	70 68 68 67	53 54 52 52	47 51 52 51	- - - 0.3	8 2 - 3	8.9 6.1 * 8.4 6.6								
3	Birmingham ... 535 Upper Heyford ... 408 Ross-on-Wye ... 223	1005.8 * *	0 * *	SW * *	4 * *	b * *	53 * *	87 * *	7 * *	5 * *	- * *	1 * *	1 * *	1800 *	+10 +10 +4	W SWW	2 3	b bc	53 54 57	85 82 85	8 8 8	- 4 -	- - -	0 2-3 9	10 2500	1 1 1	65 67 67	51 47 52	47 49 49	T T T	5 7 6	5.9 6.9 6.9							
5	Hartland Point ... 299 Bristol ... 209 Portland Bill ... 32 Plymouth ... 82 The Lizard ... 240 Scilly (St. Mary's) ... 163 Guernsey ... 175	1003.0 1008.0 1009.2 1011.0 1011.9 1012.5	+8 +4 +4 +6 +6 +2	NNW NNW NNW NNW NNW NNW	4 3 3 4 5 5	bc b b b b b	57 54 58 55 55 56	75 82 82 85 82 85	8 6 6 8 8 8	5 5 3 7 4 5	- - - - - -	4-6 T T 2-8 2-3 1	4-6 T T 4000 4000 2500 1500	1008.3 1003.4 1012.2 1012.0 1012.5 1013.3	+10 +10 +8 +8 +8 +6	NNW W W W WNW NW	3 3 5 5 5 4	c c c c c c	57 56 58 57 56 56	85 85 85 85 82 85	8 5 5 8 8 8	8 5 - 3 7 4	- - - - - 2	7-8 4-6 7-8 2-3 7-8 4-6	1500 2400 2500 2500 2500 1500	0 1 1 1 0 1	5 6 6 6 6 3	62 68 55 55 53 55	56 53 48 57 53 55	54 48 - 5 1 1	2 - - 0.5 - -	- 2 - 2 - 3.0	4.9 7.3 * 2.4 4.8 3.0						
6	Pembroke ... 142 Holyhead (Valley) ... 26 Chester (Sealand) ... 16 Manchester ... 70	1008.5 1005.0 1004.9 1004.7	0 +2 0 0	W W W SWW	6 4 4 1	bcg b b b	57 66 66 52	85 82 85 87	8 8 8 1	8 5 5 -	- - - -	4-6 4-6 4-6 0	3000 3000 4500 0	1008.6 1006.3 1006.4 1006.0	+14 +6 +10 +0	WN W'N W W	5 3 3 2	c c c c	57 56 56 56	92 82 85 87	7 8 8 6	- - 3 3	- - 7-8 7-8	2500 1500 2500 1500	1 0 1 1	5 2 * *	60 61 51 64	56 53 50 51	56 47 45 45	2 7 3 3	- - 8 29	3.2 * 3.7 2.9							
10	Spurn Head ... 29 Catterick ... 175 Tynemouth ... 108	1003.4 1004.4 1005.7	-16 -6 -8	SE - NN	2 0 2	b c b	56 53 54	82 82 85	5 5 6	8 5 -2	- 1 -	10 4-6 10	10 7-8 10	800 3200 2500	1004.5 1005.7 1005.7	+2 +14 +4	NNW - WNW	3 0 3	bc - c	56 53 54	87 82 82	5 4 6	-2 5 5	- - -	10 10 10	2500 2000 1500	1 0 1	2 * 2	65 66 63	55 49 53	55 44 52	1 0.3 T	8 0.6 2	3.0 4.8 *					
11	St. Abbs Head ... 280 Leuchars ... 36 Renfrew (Abbots I.) ... 19 Eskdalemuir ... 794 Point of Ayre ... 30	1004.8 1004.4 1005.0 * 1004.5	-2 0 0 * 0	W WSW * * NE	1 0 3 3 3	c N b b b	54 51 46 * 55	85 87 87 * 82	7 5 5 * 7	5 3 - * 2	- - - * -	7-8 10 0 * 1	1500 4000 * * 1500	1004.9 1004.8 1006.1 1003.6 1006.4	+6 +6 +6 +4 +12	NW W W - N	2 2 1 0 3	c bc bc bc c	52 52 50 48 55	82 87 85 82 85	7 5 8 5 7	7 5 4 - 2	- - - - -	4-6 3 1.23 4-6 1.5	2000 4000 3500 2500 2500	1 1 1 1 1	2 * * * 2	57 63 61 58 61	51 50 43 44 52	51 47 3.6 39 3	0.3 0.2 T 1 3	0.1 0.3 1.5 0.2 0.4	* 2.4 1.5 2.2 0.4						
13A	Tires ... 22	1006.3	0	NNW	2	b	56	85	8	4	-	0	+	1006.4	0	NN	2	bc	55	83	8	-	-	4-6	2500	0	3	61	53	*	-	-	6.6						
13B	Stornoway ... 80	1006.8	+4	N	2	c	49	82	7	5	7	-	4-6	9+	2500	0	NNW	3	bc	52	82	7	5	7	-	7-8	3+	2500	1	2	60	47	*	6	-	6.1			
15	Dalwhinnie ... 1176 Aberdeen ... 79 Wick ... 119	1006.7 1005.3 1004.6	+2 -6 -10	S W W	1 2 0	c b b	47 45 50	87 87 85	5 5 3	- 3 -	- - -	10 9 0	4000 4000 1003.8	1006.7 1004.7 1003.8	+2 -2 -6	S NW NE	1 2 1	c bc bc	47 50 53	87 87 87	5 3 2	- 3 3	- - -	4-6 T 1.4	1500 2800 1400	1 0 *	1 2 *	60 59 58	43 47 46	40 45 35	0.3 3 *	1 * *	2.2 0.2 *						
17	Blackhead Point ... 18 Malin Head ... 84 Aldergrove ... 268	1008.3 1006.2 1005.8	+14 +6 +10	NN N NNE	1 3 1	bc c b	52 55 52	82 85 87	8 7 6	4 3 5	- - -	2-3 7-8 10	2-3 7-8 10	4000 4000 1008.2	1009.3 1007.6 1008.2	+2 +6 +12	- NNW NNW	0 4 2	bc c bc	55 55 53	87 75 82	8 8 8	- 3 4	- 5 1	10 2-3 2-3	1500 4000 2500	1 0 1	2 3 *	59 57 60	51 50 50	51 50 43	1 1 2	0.1 T 0.1	* 0.2 0.9					
19	Birr Castle ... 173	1006.8	+2	WSW	3	c	55	82	8	6	2	-	7-8	10	1500	+16	NN	1	bc	52	82	8	5	-	2-3	2-3	2500	0	4	64	50	47	0.6	4.1					
20	Valentia Obay. ... 30 Roches Point ... 22	1012.0 1010.2	+4 +2	WSW WNW	4 4	b bc	57 54	85 85	8 5	2 -	- -	1 4-6	1 4-6	2500 1500	1013.0 1011.8	+8 +10	NN WNW	3 4	bc c	56 55	85 85	8 5	2 -	3 -	1 1	2-3 3	2500 1500	0 1	4 4	61 64	55 53	50 50	0.4 0.3	1 0.2	6.0 *				

LONDON OBSERVATIONS.														EXPLANATION OF FIGURES, LETTERS, etc.																								
Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations except for rainfall which is 9h—18h.														Height above sea level in feet.	Weather			Temperature.			Rainfall.		Sun- shine, to Sunset hrs.	Humidity.		Visibility m.	Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.				COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.				COLUMNS 8, 22—Code for surface visibility.  Objects not visible at 55 yards. 1 Thick fog 220 " 2 Fog 550 " 3 Moderate fog 1,100 " 4 Mist or haze 1½ miles. 5 Poor visibility 2½ " 6 Moderate " 6½ " 7 Good " 12½ " 8 Very good " 31 " 9 Excellent " beyond 31m.			
															Morning.	Afternoon.	Night.	Day Max.	Night Min.	Min. on Grass °F.	Day.	Night.		15h. G.M.T. %	9h. G.M.T. %		24 hrs. ended 7h. G.M.T.											
															24 hrs. ended 9h.			°F.	°F.		mm.	mm.	Yesterday.	To-day.	24 hrs. ended 7h. G.M.T.													
Kew...															18	bawc	c	cisagz	66	54	49	-	3	8·7	.	.	8	SOUTH KENSINGTON.										
CROYDON...															217	bbaacy	cyabc	basic	68	52	50	-	2	8·8	.	.	7	Max. Time. Min. Time.										
GREENWICH (Royal Observatory)...															149	bey	ebyy	crrcbt	70	52	46	-	2	9·2	54	76	7											
CITY (Bunhill Row)...															—	.	.	.	.	.	.	.	.	.	.	.	.											
WESTMINSTER (St. James' Park)...															27	.	.	.	.67	53	49	-	3	.	75	88	.											
RHODETS PK. (Botanic Gardens)...															168	.	.	.	.65	53	49	-	3	.	70	79	.											
CAMDEN SQUARE...															110	bc	bc	.	.71	53	49	-	3	*	.	80	.											
KENSINGTON...															80	bc	bc	.	.65	53	49	-	3	.	73	79	.											
HAMPSTEAD OBSERVATORY...															450	bc	bc	orbc	.68	51	48	-	1	.	.	86	.											
FOREIGN OBSERVATIONS.																																						
STATIONS.															Evening of 21st August.....				Morning of 22nd August.....				Past 24 Hours.															
															Barom. mb.		Wind.		Weather.	Temp. °F.	Barom. mb.		Wind.		Weather.	Temp. °F.	Max. Day °F.	Min. Night °F.	Rainfall.									
		Direc.	Force.			Direc.	Force.			Day mm.	Night mm.																											
Reykjavik (18h and 07h)...															1013·3	SW	2	bc	SS	1012·2	-	0	bc	48	61	45	-	Tr										
Lisbon (18h and 07h)...															1013·2	NNE	4	bzo	79	1013·3	NE	3	bzo	70	88	66	-	-										
Madrid (18h and 07h)...															304·0	-	0	b	77					82		-	-											
Cairo (Heliopolis) (18h and 06h)...															1003·4	N	3	b	84					93		-	-											
Toronto (13h and 01h)...																																						
Washington (13h and 01h)...																																						
																													COLUMNS 34, 35. Tr. = rain has fallen, but amount less than 0·1 mm.									
																																	COLUMN 30—Code for State of Sea.  0 Calm—glassy. 5 Rough. 1 Calm—rippled. 6 Very rough. 2 Smooth. 7 High. 3 Slight. 8 Very high. 4 Moderate. 9 Phenomenal.					

‡Pressure at 1,000 dynamic metres level.

: Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

† Sea disturbance reported from Dungeness

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

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



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

**SECRET**

BRITISH SECTION  
Saturday 23rd August 1941.  
No. 29129

OBSERVATIONS at 13h. G.M.T. 22d August

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

PAST 24 HOURS.

Distance.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.			Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.			Barom. at M.S.L. mb. (29)	Change in 3 hours. (30)	Wind.		Weather. (33)	Temp. °F. (34)	Humid. % (35)	Visibility. 0-9 (36)	Cloud.			Barom. at M.S.L. mb. (43)	Change in 3 hours. (44)	Wind.		Weather. (47)	Temp. °F. (48)	Humid. % (49)	Visibility. 0-9 (50)	Cloud.			Barom. at M.S.L. mb. (57)	Change in 3 hours. (58)	Wind.		Weather. (61)	Temp. °F. (62)	Humid. % (63)	Visibility. 0-9 (64)	Cloud.			Barom. at M.S.L. mb. (71)	Change in 3 hours. (72)	Wind.		Weather. (75)	Temp. °F. (76)	Humid. % (77)	Visibility. 0-9 (78)	Cloud.			Barom. at M.S.L. mb. (85)	Change in 3 hours. (86)	Wind.		Weather. (89)	Temp. °F. (90)	Humid. % (91)	Visibility. 0-9 (92)	Cloud.			Barom. at M.S.L. mb. (99)	Change in 3 hours. (100)	Wind.		Weather. (103)	Temp. °F. (104)	Humid. % (105)	Visibility. 0-9 (106)	Cloud.			Barom. at M.S.L. mb. (113)	Change in 3 hours. (114)	Wind.		Weather. (117)	Temp. °F. (118)	Humid. % (119)	Visibility. 0-9 (120)	Cloud.			Barom. at M.S.L. mb. (127)	Change in 3 hours. (128)	Wind.		Weather. (131)	Temp. °F. (132)	Humid. % (133)	Visibility. 0-9 (134)	Cloud.			Barom. at M.S.L. mb. (135)	Change in 3 hours. (136)	Wind.		Weather. (139)	Temp. °F. (140)	Humid. % (141)	Visibility. 0-9 (142)	Cloud.			Barom. at M.S.L. mb. (143)	Change in 3 hours. (144)	Wind.		Weather. (147)	Temp. °F. (148)	Humid. % (149)	Visibility. 0-9 (150)	Cloud.			Barom. at M.S.L. mb. (151)	Change in 3 hours. (152)	Wind.		Weather. (155)	Temp. °F. (156)	Humid. % (157)	Visibility. 0-9 (158)	Cloud.			Barom. at M.S.L. mb. (159)	Change in 3 hours. (160)	Wind.		Weather. (163)	Temp. °F. (164)	Humid. % (165)	Visibility. 0-9 (166)	Cloud.			Barom. at M.S.L. mb. (167)	Change in 3 hours. (168)	Wind.		Weather. (171)	Temp. °F. (172)	Humid. % (173)	Visibility. 0-9 (174)	Cloud.			Barom. at M.S.L. mb. (175)	Change in 3 hours. (176)	Wind.		Weather. (179)	Temp. °F. (180)	Humid. % (181)	Visibility. 0-9 (182)	Cloud.			Barom. at M.S.L. mb. (183)	Change in 3 hours. (184)	Wind.		Weather. (187)	Temp. °F. (188)	Humid. % (189)	Visibility. 0-9 (190)	Cloud.			Barom. at M.S.L. mb. (191)	Change in 3 hours. (192)	Wind.		Weather. (195)	Temp. °F. (196)	Humid. % (197)	Visibility. 0-9 (198)	Cloud.			Barom. at M.S.L. mb. (199)	Change in 3 hours. (200)	Wind.		Weather. (203)	Temp. °F. (204)	Humid. % (205)	Visibility. 0-9 (206)	Cloud.			Barom. at M.S.L. mb. (207)	Change in 3 hours. (208)	Wind.		Weather. (211)	Temp. °F. (212)	Humid. % (213)	Visibility. 0-9 (214)	Cloud.			Barom. at M.S.L. mb. (215)	Change in 3 hours. (216)	Wind.		Weather. (219)	Temp. °F. (220)	Humid. % (221)	Visibility. 0-9 (222)	Cloud.			Barom. at M.S.L. mb. (223)	Change in 3 hours. (224)	Wind.		Weather. (227)	Temp. °F. (228)	Humid. % (229)	Visibility. 0-9 (230)	Cloud.			Barom. at M.S.L. mb. (231)	Change in 3 hours. (232)	Wind.		Weather. (235)	Temp. °F. (236)	Humid. % (237)	Visibility. 0-9 (238)	Cloud.			Barom. at M.S.L. mb. (239)	Change in 3 hours. (240)	Wind.		Weather. (243)	Temp. °F. (244)	Humid. % (245)	Visibility. 0-9 (246)	Cloud.			Barom. at M.S.L. mb. (247)	Change in 3 hours. (248)	Wind.		Weather. (251)	Temp. °F. (252)	Humid. % (253)	Visibility. 0-9 (254)	Cloud.			Barom. at M.S.L. mb. (255)	Change in 3 hours. (256)	Wind.		Weather. (259)	Temp. °F. (260)	Humid. % (261)	Visibility. 0-9 (262)	Cloud.			Barom. at M.S.L. mb. (263)	Change in 3 hours. (264)	Wind.		Weather. (267)	Temp. °F. (268)	Humid. % (269)	Visibility. 0-9 (270)	Cloud.			Barom. at M.S.L. mb. (271)	Change in 3 hours. (272)	Wind.		Weather. (275)	Temp. °F. (276)	Humid. % (277)	Visibility. 0-9 (278)	Cloud.			Barom. at M.S.L. mb. (279)	Change in 3 hours. (280)	Wind.		Weather. (283)	Temp. °F. (284)	Humid. % (285)	Visibility. 0-9 (286)	Cloud.			Barom. at M.S.L. mb. (287)	Change in 3 hours. (288)	Wind.		Weather. (291)	Temp. °F. (292)	Humid. % (293)	Visibility. 0-9 (294)	Cloud.			Barom. at M.S.L. mb. (295)	Change in 3 hours. (296)	Wind.		Weather. (299)	Temp. °F. (300)	Humid. % (301)	Visibility. 0-9 (302)	Cloud.			Barom. at M.S.L. mb. (303)	Change in 3 hours. (304)	Wind.		Weather. (307)	Temp. °F. (308)	Humid. % (309)	Visibility. 0-9 (310)	Cloud.			Barom. at M.S.L. mb. (311)	Change in 3 hours. (312)	Wind.		Weather. (315)	Temp. °F. (316)	Humid. % (317)	Visibility. 0-9 (318)	Cloud.			Barom. at M.S.L. mb. (319)	Change in 3 hours. (320)	Wind.		Weather. (323)	Temp. °F. (324)	Humid. % (325)	Visibility. 0-9 (326)	Cloud.			Barom. at M.S.L. mb. (327)	Change in 3 hours. (328)	Wind.		Weather. (331)	Temp. °F. (332)	Humid. % (333)	Visibility. 0-9 (334)	Cloud.			Barom. at M.S.L. mb. (335)	Change in 3 hours. (336)	Wind.		Weather. (339)	Temp. °F. (340)	Humid. % (341)	Visibility. 0-9 (342)	Cloud.			Barom. at M.S.L. mb. (343)	Change in 3 hours. (344)	Wind.		Weather. (347)	Temp. °F. (348)	Humid. % (349)	Visibility. 0-9 (350)	Cloud.			Barom. at M.S.L. mb. (351)	Change in 3 hours. (352)	Wind.		Weather. (355)	Temp. °F. (356)	Humid. % (357)	Visibility. 0-9 (358)	Cloud.			Barom. at M.S.L. mb. (359)	Change in 3 hours. (360)	Wind.		Weather. (363)	Temp. °F. (364)	Humid. % (365)	Visibility. 0-9 (366)	Cloud.			Barom. at M.S.L. mb. (367)	Change in 3 hours. (368)	Wind.		Weather. (371)	Temp. °F. (372)	Humid. % (373)	Visibility. 0-9 (374)	Cloud.			Barom. at M.S.L. mb. (375)	Change in 3 hours. (376)	Wind.		Weather. (379)	Temp. °F. (380)	Humid. % (381)	Visibility. 0-9 (382)	Cloud.			Barom. at M.S.L. mb. (383)	Change in 3 hours. (384)	Wind.		Weather. (387)	Temp. °F. (388)	Humid. % (389)	Visibility. 0-9 (390)	Cloud.			Barom. at M.S.L. mb. (391)	Change in 3 hours. (392)	Wind.		Weather. (395)	Temp. °F. (396)	Humid. % (397)	Visibility. 0-9 (398)	Cloud.			Barom. at M.S.L. mb. (399)	Change in 3 hours. (400)	Wind.		Weather. (403)	Temp. °F. (404)	Humid. % (405)	Visibility. 0-9 (406)	Cloud.			Barom. at M.S.L. mb. (407)	Change in 3 hours. (408)	Wind.		Weather. (411)	Temp. °F. (412)	Humid. % (413)	Visibility. 0-9 (414)	Cloud.			Barom. at M.S.L. mb. (415)	Change in 3 hours. (416)	Wind.		Weather. (419)	Temp. °F. (420)	Humid. % (421)	Visibility. 0-9 (422)	Cloud.			Barom. at M.S.L. mb. (423)	Change in 3 hours. (424)	Wind.		Weather. (427)	Temp. °F. (428)	Humid. % (429)	Visibility. 0-9 (430)	Cloud.			Barom. at M.S.L. mb. (431)	Change in 3 hours. (432)	Wind.		Weather. (435)	Temp. °F. (436)	Humid. % (437)	Visibility. 0-9 (438)	Cloud.			Barom. at M.S.L. mb. (439)	Change in 3 hours. (440)	Wind.		Weather. (443)	Temp. °F. (444)	Humid. % (445)	Visibility. 0-9 (446)	Cloud.			Barom. at M.S.L. mb. (447)	Change in 3 hours. (448)	Wind.		Weather. (451)	Temp. °F. (452)	Humid. % (453)	Visibility. 0-9 (454)	Cloud.			Barom. at M.S.L. mb. (455)	Change in 3 hours. (456)	Wind.		Weather. (459)	Temp. °F. (460)	Humid. % (461)	Visibility. 0-9 (462)	Cloud.			Barom. at M.S.L. mb. (463)	Change in 3 hours. (464)	Wind.		Weather. (467)	Temp. °F. (468)	Humid. % (469)	Visibility. 0-9 (470)	Cloud.			Barom. at M.S.L. mb. (471)	Change in 3 hours. (472)	Wind.		Weather. (475)	Temp. °F. (476)	Humid. % (477)	Visibility. 0-9 (478)	Cloud.			Barom. at M.S.L. mb. (479)	Change in 3 hours. (480)	Wind.		Weather. (483)	Temp. °F. (484)	Humid. % (485)	Visibility. 0-9 (486)	Cloud.			Barom. at M.S.L. mb. (487)	Change in 3 hours. (488)	Wind.		Weather. (491)	Temp. °F. (492)	Humid. % (493)	Visibility. 0-9 (494)	Cloud.			Barom. at M.S.L. mb. (495)	Change in 3 hours. (496)	Wind.		Weather. (499)	Temp. °F. (500)	Humid. % (501)	Visibility. 0-9 (502)	Cloud.			Barom. at M.S.L. mb. (503)	Change in 3 hours. (504)	Wind.		Weather. (507)	Temp. °F. (508)	Humid. % (509)	Visibility. 0-9 (510)	Cloud.			Barom. at M.S.L. mb. (511)	Change in 3 hours. (512)	Wind.		Weather. (515)	Temp. °F. (516)	Humid. % (517)	Visibility. 0-9 (518)	Cloud.			Barom. at M.S.L. mb. (519)	Change in 3 hours. (520)	Wind.		Weather. (523)	Temp. °F. (524)	Humid. % (525)	Visibility. 0-9 (526)	Cloud.			Barom. at M.S.L. mb. (527)	Change in 3 hours. (528)	Wind.		Weather. (531)	Temp. °F. (532)	Humid. % (533)	Visibility. 0-9 (534)	Cloud.			Barom. at M.S.L. mb. (535)	Change in 3 hours. (536)	Wind.		Weather. (539)	Temp. °F. (540)	Humid. % (541)	Visibility. 0-9 (542)	Cloud.			Barom. at M.S.L. mb. (543)	Change in 3 hours. (544)	Wind.		Weather. (547)	Temp. °F. (548)	Humid. % (549)	Visibility. 0-9 (550)	Cloud.			Barom. at M.S.L. mb. (551)	Change in 3 hours. (552)	Wind.		Weather. (555)	Temp. °F. (556)	Humid. % (557)	Visibility. 0-9 (558)	Cloud.			Barom. at M.S.L. mb. (559)	Change in 3 hours. (560)	Wind.		Weather. (563)	Temp. °F. (564)	Humid. % (565)	Visibility. 0-9 (566)	Cloud.			Barom. at M.S.L. mb. (567)	Change in 3 hours. (568)	Wind.		Weather. (571)	Temp. °F. (572)	Humid. % (573)	Visibility. 0-9 (574)	Cloud.			Barom. at M.S.L. mb. (575)	Change in 3 hours. (576)	Wind.		Weather. (579)	Temp. °F. (580)	Humid. % (581)	Visibility. 0-9 (582)	Cloud.			Barom. at M.S.L. mb. (583)	Change in 3 hours. (584)	Wind.		Weather. (587)	Temp. °F. (588)	Humid. % (589)	Visibility. 0-9 (590)	Cloud.			Barom. at M.S.L. mb. (591)	Change in 3 hours. (592)	Wind.		Weather. (595)	Temp. °F. (596)	Humid. % (597)	Visibility. 0-9 (598)	Cloud.			Barom. at M.S.L. mb. (599)	Change in 3 hours. (600)	Wind.		Weather. (603)	Temp. °F. (604)	Humid. % (605)	Visibility. 0-9 (606)	Cloud.			Barom. at M.S.L. mb. (607)	Change in 3 hours. (608)	Wind.		Weather. (611)	Temp. °F. (612)	Humid. % (613)	Visibility. 0-9 (614)	Cloud.			Barom. at M.S.L. mb. (615)	Change in 3 hours. (616)	Wind.		Weather. (619)	Temp. °F. (620)	Humid. % (621)	Visibility. 0-9 (622)	Cloud.			Barom. at M.S.L. mb. (623)	Change in 3 hours. (624)	Wind.		Weather. (627)	Temp. °F. (628)	Humid. % (629)	Visibility. 0-9 (630)	Cloud.			Barom. at M.S.L. mb. (631)	Change in 3 hours. (632)	Wind.		Weather. (635)	Temp. °F. (636)	Humid. % (637)	Visibility. 0-9 (638)	Cloud.			Barom. at M.S.L. mb. (639)	Change in 3 hours. (640)	Wind.		Weather. (643)	Temp. °F. (644)	Humid. % (645)	Visibility. 0-9 (646)	Cloud.			Barom. at M.S.L. mb. (647)	Change in 3 hours. (648)	Wind.		Weather. (651)	Temp. °F. (652)	Humid. % (653)	Visibility. 0-9 (654)	Cloud.			Barom. at M.S.L. mb. (655)	Change in 3 hours. (656)	Wind.		Weather. (659)	Temp. °F. (660)	Humid. % (661)	Visibility. 0-9 (662)	Cloud.			Barom. at M.S.L. mb. (663)	Change in 3 hours. (664)	Wind.		Weather. (667)	Temp. °F. (668)	Humid. % (669)	Visibility. 0-9 (670)	Cloud.			Barom. at M.S.L. mb. (671)	Change in 3 hours. (672)	Wind.		Weather. (675)	Temp. °F. (676)	Humid. % (677)	Visibility. 0-9 (678)	Cloud.			Barom. at M.S.L. mb. (679)	Change in 3 hours. (680)	Wind.		Weather. (683)	Temp. °F. (684)	Humid. % (685)	Visibility. 0-9 (686)	Cloud.			Barom. at M.S.L. mb. (687)	Change in 3 hours. (688)	Wind.		Weather. (691)	Temp. °F. (692)	Humid. % (693)	Visibility. 0-9 (694)	Cloud.			Barom. at M.S.L. mb. (695)	Change in 3 hours. (696)	Wind.		Weather. (699)	Temp. °F. (700)	Humid. % (697)	Visibility. 0-9 (702)	Cloud.			Barom. at M.S.L. mb. (703)	Change in 3 hours. (704)	Wind.		Weather. (707)	Temp. °F. (708)	Humid. % (709)	Visibility. 0-9 (710)	Cloud.			Barom. at M.S.L. mb. (711)	Change in 3 hours. (712)	Wind.		Weather. (715)	Temp. °F. (716)	Humid. % (717)	Visibility. 0-9 (718)	Cloud.			Barom. at M.S.L. mb. (719)	Change in 3 hours. (720)	Wind.		Weather. (723)	Temp. °F. (724)	Humid. % (72
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### EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION  
AND SYMBOLS FOR WEATHER.

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.  
fg, low fog over sea (coast station).  
fs, 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.  
p, precipitation within sight of station.  
ks, storm of drifting snow.  
k/s, slight storm of drifting snow (generally low).  
k/S, heavy storm of drifting snow (generally low).  
s/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.  
b(r), "hail" or "rain and hail."  
Capital letters indicate intense;  
suffix o indicates slight; repetition  
of letters indicates continuity: thus  
R, heavy rain. r, 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 exist-  
ing weather from preceding con-  
ditions thus:—bc/r, fair weather  
after rain; —, has decreased;  
+, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

- 0 No low clouds.
- 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.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.

Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.

An entry "4-8" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.

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

"9+" signifies an overcast sky with a few small openings.

† Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

- 0 No medium clouds.
- 1 Typical As (thin).
- 2 Typical As (thick) (sun or moon invisible), or Nimbostratus (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:    Cirrocumulus, -Cc:    Cirrostratus, -Cs:    Alto cumulus, -Ac:    Altostratus, -As:  
Stratocumulus, -Sc:    Stratus, -St:    Nimbostratus, -Ns:    Cumulus, -Cu:    Cumulonimbus, -Cb.

COLUMN 29 —STATE OF GROUND.

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., but ground frozen.
2 .. " flooded.	9 .. " covered with snow greater than 6 ins. deep.
3 .. " frozen hard and dry.	— .. Fresh snow has fallen in the mountains.
4 .. " partly covered with snow or hail.	
5 .. " covered with ice or glazed frost.	
6 .. " covered with thawing snow.	

NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.



Abridged observations of additional stations in the AVIATION WEATHER CODE															
13h. G.M.T. 22nd August 1941								01h. G.M.T. 23rd August 1941							
III	C <sub>M</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>M</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>M</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>M</sub>	ww	Vh <sub>N</sub>
109	87	02854	24324	8-	25846	26326	5-	02845	24125	50	01843	00023			
115	87	81834	26297	52	81844	24287	52	81734	22387	54	02844	16286			
203	00	05890	20410	8-	81846	16216	5-	01844	20324	8-	81847	16327			
206	83	02865	24227	86	02865	24287	5-	01853	24183	54	02864	24125			
210	33	02863	26315	83	02865	24125	50	01863	20283	04	01850	18113			
220	80	01845	27315	73	01954	27105				87	81844	22386			
230	9-	81747	24187	24	01954	28285	5-	61758	00068	53	27430	00066			
245	9-	95624	15396	06	81853	20296	40	05662	26282	54	01981	24214			
260	36	01855	26115	24	01863	24214	04	05680	23112	53	01862	18114			
278	80	00852	29412	8-	25975	26386	57	02854	16226						
279	83	01854	24115	80	01963	24214	7-	02775	16215	73	05655	06167			
285	23	01854	28524	20	25854	28584				23	02635	24327			
288	8-	02766	22226	2-	25455	02285	40	05662	20102	03	02890	20116			
575				80	02854	24228	02	62638	00068	57	51847	10167			
801	2-	02856	28816	20	01851	25314	57	05663	19328						
321	8-	05657	28327	20	01762	25314	53	05655	26115	57	05864	14115			
299				8-	82747	24287	50	05652	24214	57	01754	22315			
292	83	25764	24284	84	01963	25214	04	00690	00011	07	08490	00025			
310				--	01644	24314									
614	8-	25666	22286	00	01790	24314	04	05590	22112	57	05554	00027			
333	2-	01954	29324	07	02890	18316	51	02764	20128						
334	--	02754	28215	--	02754	28316				--	03646	00028			
340	23	01764	29325	40	02865	30216	02	02790	14228	07	05690	11127			
136	86	25654	23465												
336	52	22753	24468	14	01862	26315				62	62763	24368			
350	86	02855	26227	86	02863	18386				50	43358	14248			
368	7-	02854	23427	51	02854	23328									
379	2-	02855	20325	83	02755	11462	00	42590	00040	63	62514	14218			
390	26	01764	25214	83	02755	26287	50	05561	20101	07	08490	18148			
382	83	02855	24416	83	01864	23315	--	056--	0001-	52	51757	14168			
438	8-	02746	24526							3-	66748	20168			
430	86	02954	24486	43	02873	20427	07	01790	24115	52	62662	2168			
409	26	02846	26126	21	02843	23327	52	62642	16168	62	64625	13668			

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



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 23rd August
1 S.E. England	Moderate southeast winds veering southwest increasing fresh. Dull, rainy at first, then brighter periods with some showers; close, then cooler.
2 E. England ...	
3 E. Midlands ...	Moderate east to southeast winds, veering southwest fresh. Dull, rainy to-day; fair periods but some showers tomorrow: close.
4 W. Midlands ...	
5 S.W. England	Fresh to strong southwest winds, moderating. Bright periods; local showers, probably further rain towards end of period: average temperature.
6 South Wales ...	
7 North Wales ...	Light to moderate southerly winds. Cloudy; occasional slight rain: rather cool.
8 N.W. England	
9 N. Midlands ...	Winds light east to southeast then variable. Cloudy; some light rain at first, continuous rain later: rather cool.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Light variable to southerly wind. Cloudy, some occasional rain, mostly light; rather cool.
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	Winds mainly southerly, light to moderate. Fair periods; occasional slight rain, more general rain spreading east tomorrow: average temperature.
19 S. E. Ireland	
20 S. W. Ireland	

**BAROMETER.** Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.

**BAROMETRIC CHANGE** from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

**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.

**GENERAL INFERENCE.**

A deep depression covers most of the North Atlantic. A vigorous secondary near Cornwall will move rather quickly northeast and later turn more easterly. Further secondaries will probably move up from the neighbourhood of the Azores. Weather will be unsettled with general rain today, heavy in places over much of England. Renewed rain will probably set in in the Southwest to-morrow.

**FURTHER OUTLOOK.**

Continuing unsettled with rain spreading from the West.

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

Forecasts issued at  
H.M.S.O. Press, Meteorological Office Dunstable.

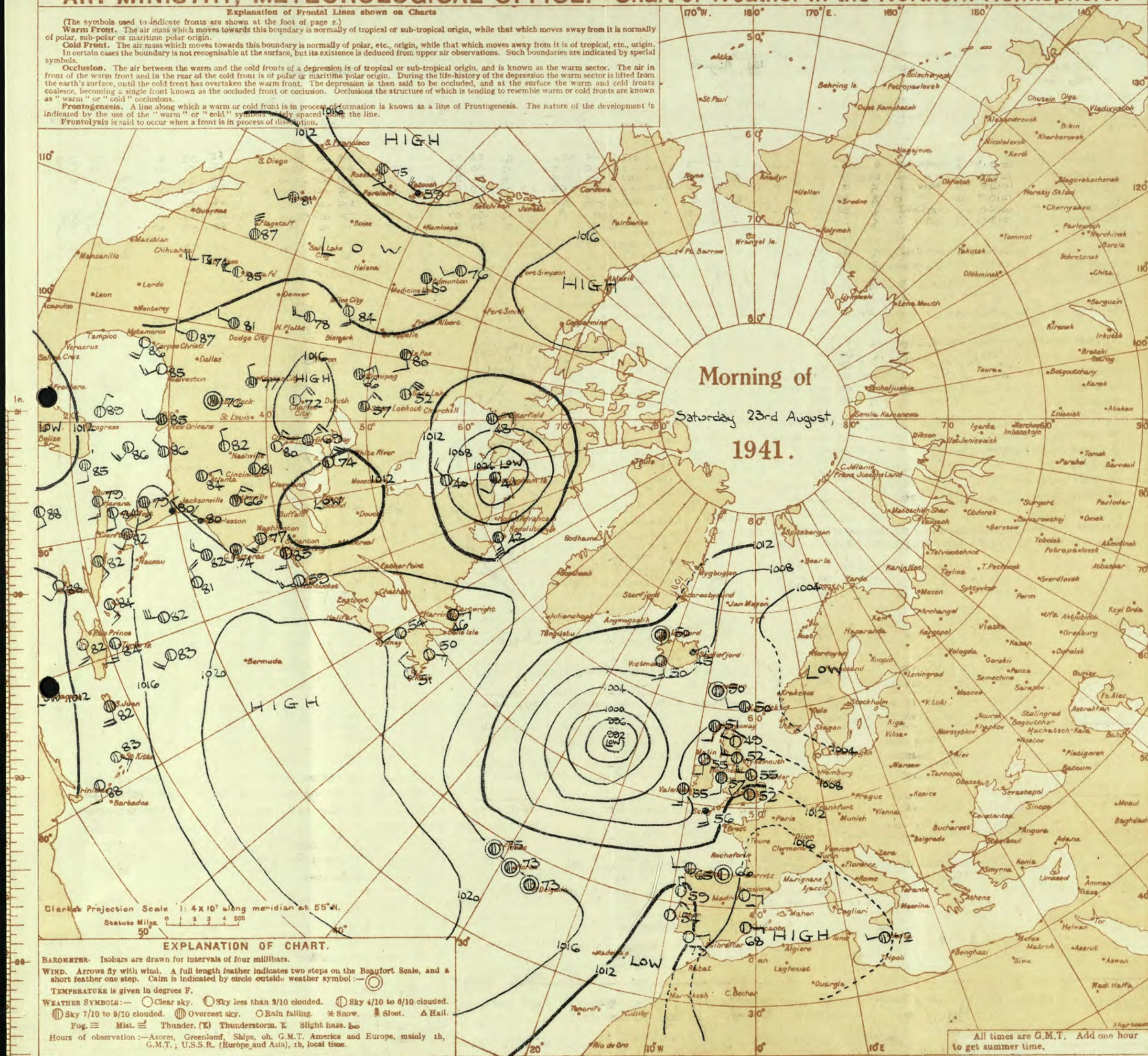
6.269/4120. H. 9.76 D. 6034. 6p. 348. 3900. 5/41



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.  
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.



## 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. ☼ Thunderstorm. ☼ Slight haze. ☼  
**Hours of observation:**—Azores, Greenland, Ships, oh, G.M.T. America and Europe, mainly 1h, G.M.T.; U.S.S.R. (Europe and Asia), 1h, local time.

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



# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 23rd August 1941.

No. 22129

OBSERVATIONS at 1 hr. G.M.T. 23d August														OBSERVATIONS at 7 hr. G.M.T. 23d August														PAST 24 HOURS.									
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours (2)	Wind.		Temp. (6)	Humid. (7)	Visibility (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours (16)	Wind.		Temp. (20)	Humid. (21)	Visibility (22)	Cloud.				Barom. at M.S.L. (29)	Change in 3 hours (30)	TEMPERATURE.					Sun-shine Hrs. (36)					
					Dir.	Force (4)				Form.	Amount (12)	Height of Base (feet) (14)	Form.			Amount (26)	Height of Base (feet) (28)				State of Ground. (30)	Sea. (30)	Max. Day 7h-15h °F. (31)	Min. Night 15h-7h °F. (32)			Min. on Grass °F. (33)	Day 7h-15h mm. (34)	Night 15h-7h mm. (35)								
																														0-12	0-12		0-10	0-10	0-10	0-10	0-0
1	London (Kew) ... 18	1012.3	-2	WSW	2	52	97	7	5	-	3000	1012.3	-4	SSW	1	10	55	92	6	5	7	-	7-8	10	2500	1	*	65	52	42	-	7	3.8				
	Croydon ... 217	1013.4	-4	SW	2	51	92	8	-	-	-	1012.6	-6	SSW	1	10	54	92	5	5	2	-	4-6	10	3500	1	*	65	51	48	-	7	5.5				
	S. Farnborough ... 226	1013.4	-4	SW	2	51	92	8	-	-	-	1012.2	-6	SSW	1	10	54	92	5	5	2	-	2-3	10	2000	1	*	66	50	43	-	7	6.7				
	Boscombe Down ... 417	1013.3	-6	SSW	1	51	97	7	5	3	8	1012.3	-6	SE/SS	2	10	53	97	7	5	2	-	7-8	10	3000	1	*	64	49	41	-	1	7.1				
	Thorney Island ... 10	1013.7	-6	-	0	53	97	6	-	3	8	1012.4	-4	SE	2	10	56	97	7	5	2	-	4-6	10	4000	1	*	66	51	48	-	1	*				
	Lympne ... 346	1014.5	+2	WSW	2	53	97	6	-	-	-	1013.3	0	S	1	10	55	97	8	5	7	-	7	10	1200	1	3	66	52	44	-	7	8.5				
	Manston ... 154	1013.6	-2	WSW	2	53	97	6	-	-	-	1013.3	0	S	0	0	55	92	7	-	7	-	0	10	-	1	*	68	52	49	-	7	8.3				
2	Shoeburyness ... 11											1013.1	0	SW	2	10	57	92	5	5	7	-	1	10	7200	1	*	67	55	48	-	7	4.8				
	Felixstowe ... 16	1012.4	+2	WSW	2	54	85	5	-	1	-	1012.3	0	SW	2	10	55	97	5	-	7	1	0	10	-	1	1	69	54	51	-	7	7.2				
	Gorleston ... 5	1012.4	+6	WSW	2	54	85	5	-	-	-	1013.1	+6	W	1	10	54	85	6	5	3	-	2-3	10	1500	1	2	64	51	47	-	0.6	*				
	Mildenhall ... 19	1012.3	+2	WSW	1	53	97	6	4	-	-	1012.0	-2	SE	1	10	54	97	6	-	7	-	0	10	-	0	1	67	49	43	-	7	4.5				
	Cranwell ... 240	1012.3	+2	WSW	3	51	85	6	-	7	6	1011.5	-2	-	0	0	52	92	6	-	7	7	0	10	-	1	*	65	49	47	-	2	5.3				
3	Birmingham ... 535											1013.8	+6	NE	1	10	52	92	5	6	2	7	7-8	10	1500	1	*	65	51	42	-	0.1	6.5				
	Upper Heyford ... 408	1013.0	0		0	51	97	3	-	-	-	1011.6	-10	SE	1	10	53	97	5	5	2	-	7-8	10	2000	1	*	65	50	48	-	3	1				
4	Ross-on-Wye ... 223											1014.0	-14	SSW	2	10	53	97	6	5	2	-	9	10	8000	1	*	67	49	46	-	1	4.5				
5	Hartland Point ... 299	1012.1	-12	S	3	55	85	7	5	2	-	7-8	9	800	1007.9	-22	NE	3	10	53	97	6	6	2	-	7-8	10	600	1	3	61	52	50	-	5	6.7	
	Bristol ... 200	1013.2	-8	-	0	54	92	6	-	7	7	0	10	-	1011.0	-10	SE	1	10	53	97	6	5	2	-	4-6	10	2000	1	*	64	52	44	-	2	2.3	
	Portland Bill ... 32	1013.0	-8	W	2	58	92	7	5	-	-	10	10	2500	1010.5	-14	SE/SE	4	10	57	92	7	5	-	-	10	10	2500	1	4	62	50	*	-	0.1	*	
	Plymouth ... 82	1013.8	-8	NE	2	55	97	6	5	2	-	4-6	10	3000	1008.1	-28	SE	3	10	55	97	6	6	2	-	7-8	10	3000	1	2	64	54	53	-	8	2.6	
	The Lizard ... 240	1012.5	-20	SE	3	50	92	7	5	-	-	10	10	1500	1005.7	-30	SSW	3	10	53	97	4	5	-	-	10	10	8000	2	5	63	53	*	-	20	5.0	
	Scilly (St. Mary's) ... 163	1010.4	-28	SE	4	50	92	7	8	2	-	7-8	10	1500	1003.4	-28	SW	4	10	60	97	6	5	-	-	10	10	8000	1	3	64	53	*	-	25	7.0	
	Guernsey ... 175																																				
6	Pembroke ... 142	1011.7	-10	SW	3	57	92	7	2	6	-	2-3	2-3	4000	1008.8	-4	SE	3	10	56	85	8	8	7	8	1	9	2500	0	2	64	50	53	-	-	*	
7	Holyhead (Valley) ... 26	1010.6	-10	SSW	2	57	85	8	5	7	-	4-6	10	3000	1008.8	-4	SE	3	10	56	85	8	8	7	8	1	9	2500	0	2	64	50	53	-	-	*	
	Chester (Sealand) ... 16	1011.8	-2	SE	1	54	85	6	5	7	6	0	9	-	1002.2	-6	SE/SE	2	10	52	92	6	-	7	7	0	10	-	1	*	61	50	44	-	-	7.8	
8	Manchester ... 70	1012.3	+2	SE/SE	1	51	92	4	5	3	-	4-6	9	4000	1011.0	-4	SE	1	10	53	85	5	5	7	7	7-8	10	5000	1	*	64	48	45	-	-	7.2	
10	Spurn Head ... 29	1011.1	+4	WN	4	55	85	7	5	-	-	2-3	2-3	5700	1011.5	+2	WSW	2	10	56	85	6	5	7	-	2-3	4-6	5700	0	3	63	54	*	-	-	4.9	
	Catterick ... 175	1011.5	-6	W	0	51	92	7	-	4	-	0	7	-	1011.1	+4	-	0	48	97	5	3	7	-	4-6	9	2000	0	*	68	47	43	-	-	6.1		
	Tynemouth ... 108	1010.2	+2	W	3	52	85	7	-	4	-	0	2-3	-	1010.4	+6	W	2	10	52	85	6	5	3	-	4-6	7-8	3200	1	2	63	51	47	-	4	*	
11	St. Abbs Head ... 280	1008.6	+6	W	4	54	75	8	4	4	-	2-3	2-3	2500	1008.6	+6	NW	2	10	55	75	6	4	4	2	2-3	4-6	2500	0	2	61	50	*	-	-	*	
	Leuchars ... 36	1008.6	+6	W	3	50	85	7	5	-	-	2-3	2-3	4000	1003.1	+6	WSW	2	10	50	92	8	-	7	9	0	2-3	-	1	*	67	46	*	-	-	*	
12	Benfrew (Abbots) ... 19	1003.8	-2	-	0	50	92	7	5	-	-	4-6	4-6	8000	1003.5	+2	SE	1	10	49	97	5	-	3	-	0	4-6	-	1	*	64	46	39	-	-	11.1	
	Eskdalemuir ... 794														1010.1	+2	-	0	47	97	6	5	-	-	10	10	8000	1	*	63	42	36	-	-	8.8		
	Point of Ayre ... 30	1010.1	0	SW	1	53	92	8	5	2	-	9	10	2000	1008.7	-6	SW	1	10	55	92	8	6	7	-	7-8	10	2000	1	1	64	52	-	-	2	8.4	
13A	Tiree ... 22	1008.4	-2	SW/SE	1	55	97	7	5	*	*	7-8	7-8	2100	1007.2	-4	SSW	2	10	53	97	7	5	-	-	9	3	1500	1	3	61	51	*	-	4	9.2	
13B	Stornoway ... 80	1007.3	0	SSW	2	51	97	7	5	4	-	4-6	3	2500	1007.8	+8	S	4	50	92	8	5	7	-	4-6	3	2000	1	2	59	50	*	-	0.3	4.7		
15	Dalwhinnie ... 1176														1009.6	+2	NE	1	10	45	92	8	5	-	6	4-6	9	2500	1	*	62	38	32	-	-	6.9	
	Aberdeen ... 79														1009.3	+8	W	1	10	49	92	8	5	-	1	7	1	3500	1	1	62	44	38	-	0.1	3.8	
	Wick ... 119	1007.6	+8	WN	2	52	97	6	5	-	-	9	9	4000	1008.8	+10	W	2	10	49	97	8	5	-	1	7	2-3	4000	0	*	61	45	41	*	*	*	
16	Sumburgh ... 30	1006.2	+6	W	1	50	97	8	5	-	-	2-3	2-3	1200	1007.7	+14	W	0	52	97	8	5	3	-	2-3	2-3	9000	*	*	61	47	86	*	*	*		
17	Blackod Point ... 18	1007.6	-14	SSW	1	50	92	7	5	-	-	9	9	800	1005.7	-2	S	1	10	50	85	8	4	-	-	7-8	7-8	2500	0	2	62	53	*	-	2	*	
18	Malin Head ... 84	1008.6	-6	S	1	55	85	6	6	2	-	4-6	3	1500	1007.7	-4	S	1	10	55	85	8	5	6	-	4-6	7-8	1500	0	1	60	52	*	-	7	10.5	
	Aldergrove ... 268	1003.8	-6	S																																	



AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

**SECRET**  
BRITISH SECTION  
Sunday 24th August 1941.  
No. 29130

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

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

PAST 24 HOURS.

District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility. 0-9 (22)	Cloud.				Barom. at M.S.L. (25)	Change in 3 hours. (26)	State of Ground. 0-9 (30)	Sea. 0-9 (30)	WEATHER.																																																																																											
				Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (14)	Form. (23)			Amount. (24)	Height of Base. (feet) (28)					7h.—13h. 23rd (37)	13h.—18h. 23rd (38)	18h.—24h. 24th (39)	1h.—7h. 24th (40)																																																																																																
																														Low. (11)	Med. (12)	High (13)	Low (23)	Med. (24)	High (25)																																																																																						
																																				Low 0-10 (10)	Total 0-10 (13)	Low 0-10 (23)	Total 0-10 (27)																																																																																		
1	London (Kew) ... Croydon ... S. Farnborough ... Boscombe Down ... Thorney Island ... Lympne ... Manston ...	1008.9 1008.9 1008.2 1007.4 1008.3 1011.5 1010.9	-22 -32 -30 -24 -26 -22 -20	E ESE SE'S SE SE SE	3 3 3 4 3 2 2	rr rr rr rr rr rr rr	56 58 57 57 62 59 58	77 97 97 92 92 85 85	8 6 6 6 7 8 8	6 6 2 2 2 2 7	2 2 - - - - -	4.6 7.8 10 10 8 9 7.8	1500 1000 600 600 800 1500 7000	1004.5 1004.8 1004.1 1003.4 1004.4 1007.3 1005.6	-22 -22 -20 -22 -26 -14 -10	SSW SSW S S SW SW SW	2 2 2 4 4 0 1	rr rr rr rr rr c/r c/r	61 60 61 60 62 61 61	97 97 97 97 97 97 97	6 6 6 4 5 7 6	2 - - - 1 2 2	- - - - - - -	7.8 10 10 10 7.8 Tr 2.3	800 600 600 300 500 1200 4000	1 1 1 1 1 1 1	3 3 3 3 3 3 3	crrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr	rrrrrrrr rrrrrrrr rrrrrrrr rrrrrrrr



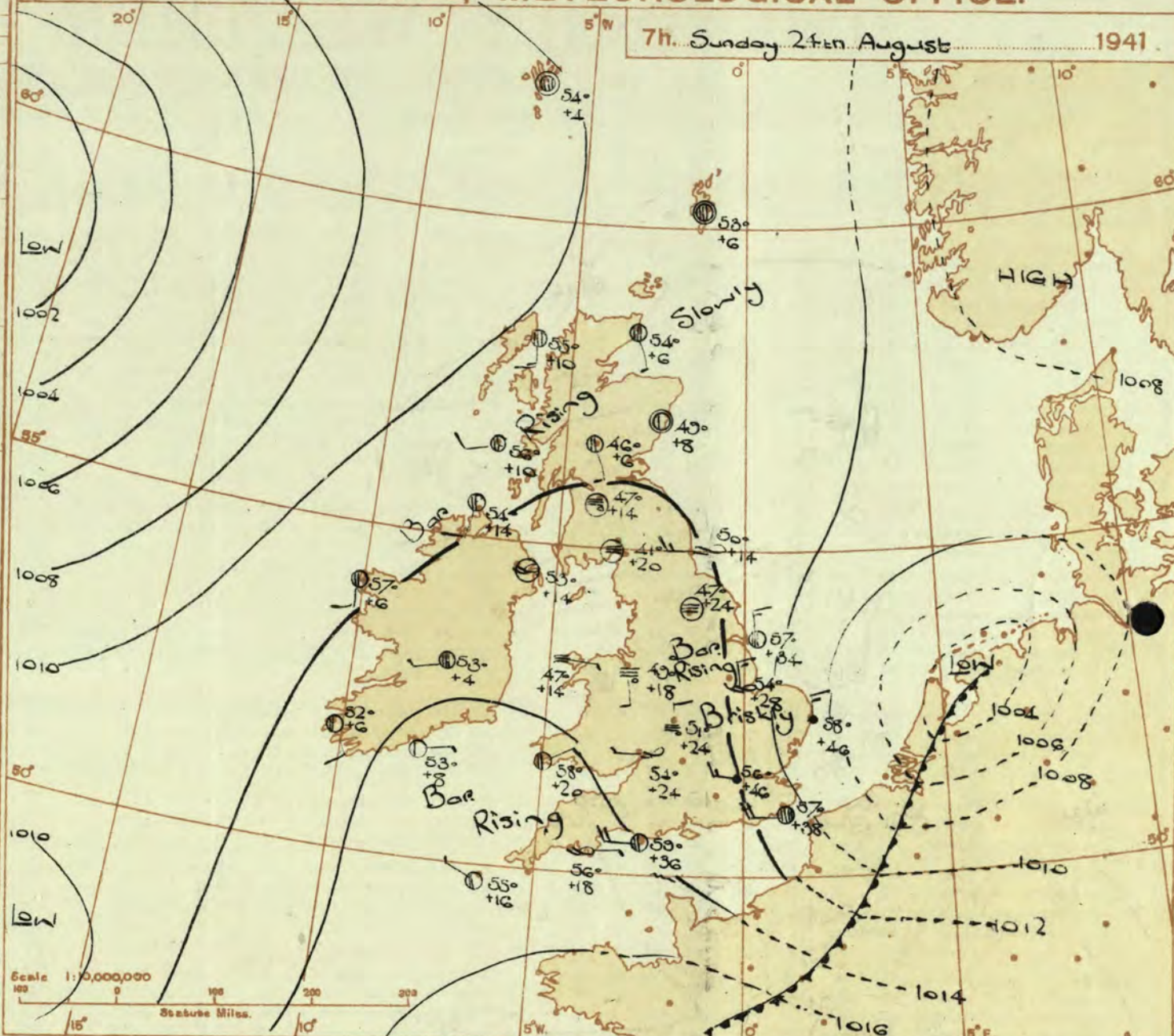
Abridged observations of additional stations in the

# AVIATION WEATHER CODE

13h. G.M.T. 23rd. August.....18h. G.M.T.								01h. G.M.T. 24th. August.....07h. G.M.T.											
IIIC	C <sub>u</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>u</sub>	C <sub>u</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>u</sub>	C <sub>u</sub>	ww	Vh <sub>N</sub>	DDFWN	C <sub>u</sub>	C <sub>u</sub>	ww	Vh <sub>N</sub>	DDFWN
1098-	01943	16203	13	01851	11203	50	01754	00014	53	25786	16327								
11554	02844	12225	57	02844	08127	57	02764	10115	52	02844	20287								
2038-	81837	16487				5-	02845	2225											
20683	02764	08325	83	02865	04286	50	00752	00082	5-	03628	25128								
21024	00962	08313	84	25864	07185	53	01764	20125	--	48303	20243								
22083	15845	22487								53	01844	21125							
23087	25846	12167	87	02862	00016	50	00762	00012	53	22856	00067								
24534	00962	10312	43	01864	07215	50	05663	25123	03	02820	24126								
26087	81655	04187	8-	81863	00087	50	47363	00083	53	01773	24145								
27833	01954	14265	43	01864	20215	04	01720	22111	54	05665	00015								
27987	02755	26227	23	05651	04215	00	05620	00000	00	05520	00040								
28577	25745	12488																	
28857	02755	14228	82	02754	12128	02	05520	32228	--	48103	20243								
57580	01853	20214	83	02854	24125	50	00851	24111	04	00820	18111								
30107	05690	14328	57	05665	07228	00	05690	30110	00	05520	12100								
32151	62753	13268	52	64635	08268	62	22536	32368	00	05520	31220								
29957	02755	18228	5-	62658	14268	5-	62648	04468	50	05644	28364								
29257	02775	13228	57	61664	08168	5-	05648	31168	5-	08434	28244								
310																			
61462	62545	15268	62	64526	06368	51	21624	32368	57	05643	32226								
33357	21854	04358	87	02855	02267	50	01753	04223	00	05620	26210								
334--	03547	04328	--	63547	08288														
34062	62635	11368	62	62624	10368	5-	08444	32324	00	05620	25240								
13652	62644	16268	62	64626	10368														
33662	64653	24468	62	66543	32468														
35062	10368	09555	52	22536	12368					62	05645	28368							
368																			
3796-	64628	10468	02	56408	17458	--	57203	30453	5-	05647	30357								
39062	64634	12368	62	52637	12168	62	51446	22358	52	52527	28358								
38262	64626	10468	62	62725	14367	62	21637	29558	53	02747	30327								
4888-	02748	14328																	
43052	62748	14368	02	64428	18368	5-	05647	26427	5-	02748	28358								
40962	64617	17568	62	02636	28428	50	01744	29314	5-	02715	24145								

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

## AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th August, 1941.
1 S.E. England	Light variable winds; fair to fine; chance of rain in south of area later in the period; fog in places early tomorrow; somewhat warmer than of late.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light variable winds; fair most of today but high cloud increasing; some occasional rain or drizzle tomorrow; average temperature.
6 South Wales ...	
7 North Wales ...	Light winds mainly between south and west; considerable fine periods; a few showers chiefly in west and north Scotland; average temperature.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 A. W. Scotland	
13 B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	Winds light, backing S.E. moderate; fine at first but cloud increasing; some occasional rain tomorrow. Average temperature.
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.  
 BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.  
 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.

GENERAL INFERENCE.  
 A depression over the southern North Sea is moving away quickly. A ridge of high pressure will cross the British Isles giving an interval of fair weather but another secondary disturbance approaching our S.W. districts will cause a deterioration in those areas tomorrow.

FURTHER OUTLOOK.  
 None Issued.  
 Forecasts issued at 13.00 G.M.T.  
 H.M.S.O. Press, Meteorological Office Dunstable.  
 N. K. JOHNSON, D.Sc., A.R.C.S. Director.  
 6269/4120. Pp. 8/76. D. 8034. 6s. 348. 3300 3/41

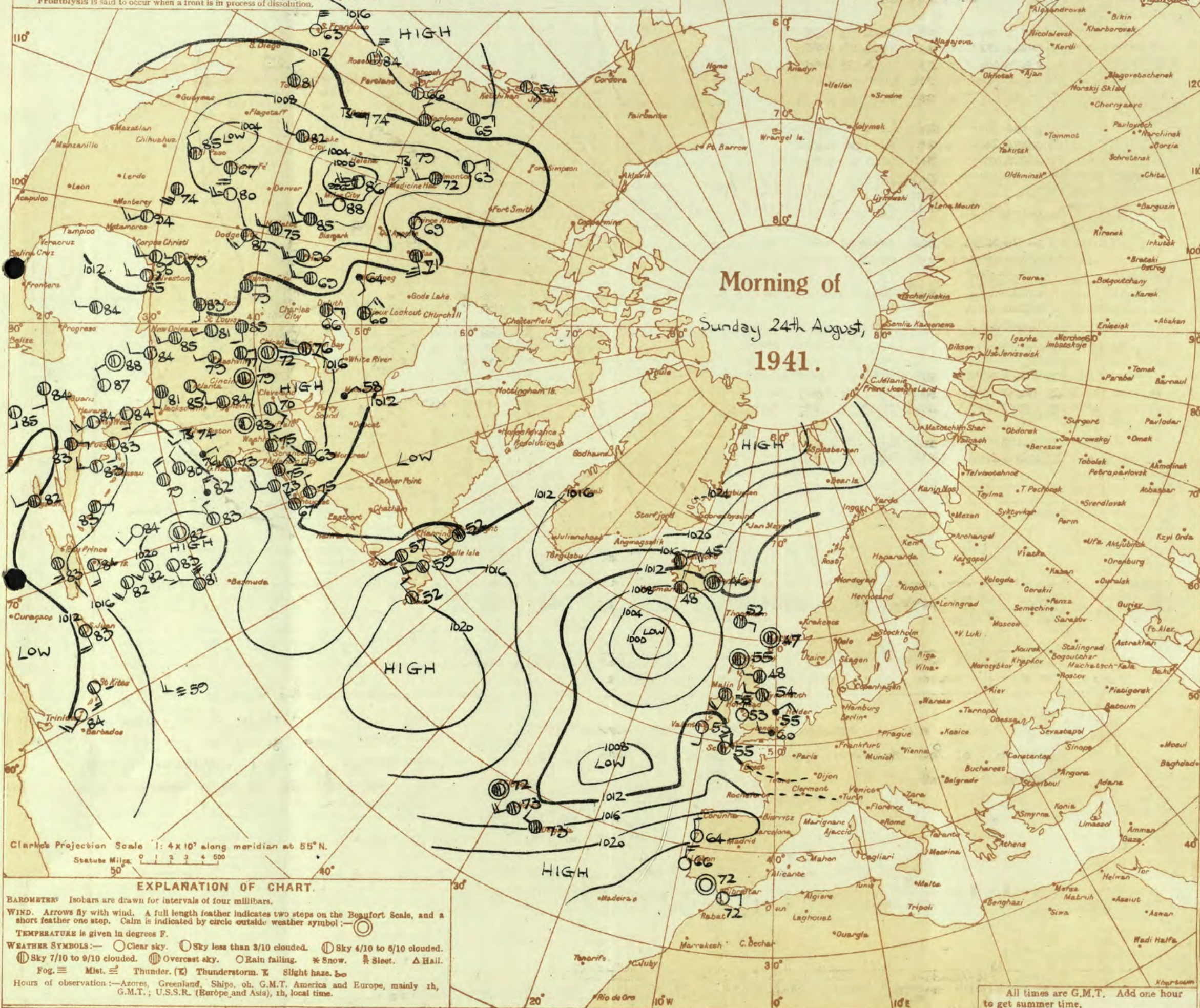


# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.

Morning of  
 Sunday 24th August,  
 1941.



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



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 24th August 1941.

No. 22,130

OBSERVATIONS at 1 hr. G.M.T. 24th August														OBSERVATIONS at 7 hr. G.M.T. 24th August														PAST 24 HOURS.												
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.					Barom. at M.S.L. (29)	Change in 3 hours. (30)	TEMPERATURE.		RAINFALL.		SUNSHINE Hrs. (36)					
					Direc.	Force.					Low. (9)	Med. (10)	High (11)	Low (12)	Total (13)			Height of Base. (feet) (14)	Direc.					Force.	Low. (23)	Med. (24)	High (25)	Low (26)			Total (27)	Height of Base. (feet) (28)	State of Ground. (29)	0-9		Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)
1	London (Kew) ... 18	1003.8	+1.0	WSW	2	2	bc	60	97	5	10	10	1500	1012.2	+4.0	NNW	2	bc	57	85	7	5	10	10	1500	1012.2	+4.0	NNW	2	bc	61	56	55	21	2	0.0				
	Croydon ... 217	1004.7	+1.4	WSW	3	3	bc	60	97	5	10	10	1500	1011.9	+4.0	NNW	4	bc	56	82	7	5	10	10	1500	1011.9	+4.0	NNW	4	bc	60	55	54	10	2	0.0				
	S. Farnborough ... 226	1007.2	+3.8	NNW	4	4	bc	56	97	6	10	10	1500	1014.0	+3.8	NNW	3	bc	55	85	6	5	10	10	1500	1014.0	+3.8	NNW	3	bc	61	56	54	17	3	0.0				
	Boscombe Down ... 417	1005.7	+1.8	NNW	4	4	bc	61	97	7	10	10	1500	1012.9	+4.0	NNW	3	bc	58	87	7	5	10	10	1500	1012.9	+4.0	NNW	3	bc	60	55	53	28	1	0.0				
	Thorney Island ... 10	1005.7	+2	SW	2	2	bc	60	97	6	10	10	1500	1010.5	+3.8	NNW	4	bc	57	87	6	5	10	10	1500	1010.5	+3.8	NNW	4	bc	61	57	57	14	3	0.0				
	Lympe ... 346	1003.5	-6	SWW	2	2	bc	61	97	6	10	10	1500	1009.0	+3.4	NNW	4	bc	59	92	6	5	10	10	1500	1009.0	+3.4	NNW	4	bc	61	59	58	8	3	0.0				
	Manston ... 154	1003.5	-6	SWW	2	2	bc	61	97	6	10	10	1500	1009.0	+3.4	NNW	4	bc	59	92	6	5	10	10	1500	1009.0	+3.4	NNW	4	bc	61	59	58	8	3	0.0				
2	Shoeburyness ... 11	1003.5	-8	WSW	2	2	bc	61	97	6	10	10	1500	1008.6	+4.2	NNW	4	bc	59	97	7	5	10	10	1500	1008.6	+4.2	NNW	4	bc	62	58	57	24	3	0.1				
	Felixstowe ... 16	1004.5	-2	WSW	0	0	bc	59	97	5	10	10	1500	1009.8	+4.2	NNW	3	bc	58	92	7	5	10	10	1500	1009.8	+4.2	NNW	3	bc	62	57	56	5	14	0.1				
	Gorleston ... 5	1003.2	+4	NNE	1	1	bc	59	97	5	10	10	1500	1010.6	+4.2	NNW	3	bc	57	97	7	5	10	10	1500	1010.6	+4.2	NNW	3	bc	60	56	55	17	4	0.0				
	Mildenhall ... 19	1006.0	+1.4	NE	3	3	bc	54	97	4	10	10	1500	1011.9	+2.8	NNW	3	bc	54	97	6	5	10	10	1500	1011.9	+2.8	NNW	3	bc	58	53	53	10	26	0.0				
	Cranwell ... 240	1006.0	+1.4	NE	3	3	bc	54	97	4	10	10	1500	1011.9	+2.8	NNW	3	bc	54	97	6	5	10	10	1500	1011.9	+2.8	NNW	3	bc	58	53	53	10	26	0.0				
3	Birmingham ... 535	1004.3	+2.6	NNW	3	3	bc	55	97	5	2	2	200	1012.8	+4.4	N	2	bc	51	92	4	5	10	10	1500	1012.8	+4.4	N	2	bc	55	50	47	25	9	0.0				
	Upper Heyford ... 408	1004.3	+2.6	NNW	3	3	bc	55	97	5	2	2	200	1012.8	+4.4	NNW	3	bc	55	92	4	5	10	10	1500	1012.8	+4.4	NNW	3	bc	55	50	47	25	9	0.0				
4	Ross-on-Wye ... 223	1004.3	+2.6	NNW	3	3	bc	55	97	5	2	2	200	1012.8	+4.4	NNW	3	bc	55	92	4	5	10	10	1500	1012.8	+4.4	NNW	3	bc	55	50	47	25	9	0.0				
5	Hartland Point ... 299	1010.7	+2.8	NNW	4	4	bc	57	85	8	2	2	2500	1014.3	+1.6	NNW	2	bc	59	85	8	1	4	4	2500	1014.3	+1.6	NNW	2	bc	63	56	52	29	-	0.0				
	Bristol ... 209	1008.3	+4.4	NNW	3	3	bc	56	85	6	5	5	1300	1014.5	+3.0	NNW	0	bc	58	92	6	5	3	2	1	2500	1014.5	+3.0	NNW	0	bc	61	53	47	21	0.1	0.0			
	Portland Bill ... 32	1007.5	+3.4	WSW	5	5	bc	58	92	8	5	5	78	1013.6	+3.6	NNW	4	bc	59	85	8	5	1	4	4	2500	1013.6	+3.6	NNW	4	bc	60	58	51	11	0.6	0.0			
	Plymouth ... 82	1011.7	+3.4	NNW	4	4	bc	55	92	7	5	5	78	1013.6	+3.6	NNW	4	bc	59	85	8	5	1	4	4	2500	1013.6	+3.6	NNW	4	bc	60	58	51	11	0.6	0.0			
	The Lizard ... 240	1012.1	+3.2	NNW	4	4	bc	58	97	8	8	8	46	1015.3	+2.0	NNW	2	bc	55	97	4	4	1	1	1	2500	1015.3	+2.0	NNW	2	bc	61	52	47	32	-	0.0			
	Scilly (St. Mary's) ... 163	1012.4	+1.8	NNW	3	3	bc	55	97	8	5	4	46	1015.4	+1.6	NNW	1	bc	55	97	8	5	2	2	1	2500	1015.4	+1.6	NNW	1	bc	62	55	51	20	-	0.0			
	Guernsey ... 175	1012.4	+1.8	NNW	3	3	bc	55	97	8	5	4	46	1015.4	+1.6	NNW	1	bc	55	97	8	5	2	2	1	2500	1015.4	+1.6	NNW	1	bc	62	55	51	20	-	0.0			
6	Pembroke ... 142	1010.9	+2.4	NNW	4	4	bc	56	97	8	1	1	2500	1014.8	+2.0	NE	2	bc	58	92	8	1	1	1	1	2500	1014.8	+2.0	NE	2	bc	58	58	51	28	1	5.0			
7	Holyhead (Valley) ... 26	1009.4	+2.0	NNW	1	1	bc	53	97	7	1	1	2500	1013.0	+1.4	ESE	1	bc	47	97	8	8	1	1	1	2500	1013.0	+1.4	ESE	1	bc	64	44	38	1	1	0.0			
	Chester (Sealand) ... 16	1008.9	+2.4	NNW	1	1	bc	52	92	4	5	5	2500	1012.9	+1.8	SSE	1	bc	49	97	4	2	1	1	1	2500	1012.9	+1.8	SSE	1	bc	57	42	40	3	1	0.0			
8	Manchester ... 70	1008.5	+2.2	NNW	2	2	bc	53	92	6	5	5	2500	1013.2	+2.6	SSE	0	bc	51	97	4	1	1	1	1	2500	1013.2	+2.6	SSE	0	bc	59	48	46	1	1	0.0			
10	Spurn Head ... 29	1009.2	-4	NE	4	4	bc	55	65	6	8	8	10	1011.5	+3.4	NNW	3	bc	57	92	7	2	9	9	2500	1011.5	+3.4	NNW	3	bc	62	54	51	2	11	0.5				
	Catterick ... 175	1009.2	+1.4	N	1	1	bc	54	97	5	5	5	10	1012.0	+2.4	N	0	bc	47	97	3	1	1	1	1	2500	1012.0	+2.4	N	0	bc	64	44	37	-	-	2.0			
	Tynemouth ... 108	1008.9	+6	W	2	2	bc	54	92	6	5	5	78	1012.0	+1.4	W	3	bc	50	97	5	1	1	1	1	2500	1012.0	+1.4	W	3	bc	58	50	49	-	-	0.0			
11	St. Abbs Head ... 280	1009.4	+8	S	2	2	bc	51	97	7	4	4	2500	1011.4	+8	NNW	1	bc	51	97	1	1	1	1	1	2500	1011.4	+8	NNW	1	bc	60	51	42	-	-	0.0			
	Leuchars ... 36	1009.3	+6	S	0	0	bc	52	97	8	5	5	2500	1011.7	+1.4	W	2	bc	51	97	2	5	1	1	1	2500	1011.7	+1.4	W	2	bc	66	47	42	-	-	9.3			
12	Renfrew (Abbots L.) ... 19	1009.6	+8	S	0	0	bc	51	97	4	5	5	10	1012.2	+1.4	W	2	bc	47	97	4	5	3	3	3	2500	1012.2	+1.4	W	2	bc	66	43	36	0.2	-				



# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

# SECRET

 BRITISH SECTION  
 Monday 26th August 1941.  
 No. 29131

OBSERVATIONS at 13h. G.M.T. 24th August														OBSERVATIONS at 18h. G.M.T. 24th August														PAST 24 HOURS.							
DISCREP.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visib. m.	Cloud.			Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visib. m.	Cloud.			State of Ground.	Sea.	WEATHER.									
				Dir.	Force.					Form.	Amount.	Height of Base (feet)			Dir.	Force.					Form.	Amount.	Height of Base (feet)			7h.—18h. 24th	13h.—18h. 24th	18h.—24th 25th	1h.—7h. 25th						
1	London (Kew)...	1017.2	+18	WNW	2	c	63	65	7	8	-	-	9	9	2500	1017.4	+4	S	2	c	64	65	7	8	-	4	6	94	2500	1	*	c	c	cbcc	ccidomo
	Croydon ...	1016.7	+16	W	2	c	63	75	6	2	-	-	9	9	2000	1017.8	+2	SW	2	c	63	75	7	1	4	7	Tr	10	2500	1	*	do	do	cbcc	ccidomo
	S. Farnborough	1016.9	+14	NW	1	c	64	65	8	7	-	-	9	9	2500	1017.3	+2	SE	2	c	63	75	6	2	-	7	1	94	3000	1	*	c	cbcc	ccidomo	ccidomo
	Boscombe Down	1017.1	+10	N	1	c	66	65	7	2	-	-	7-8	7	5000	1016.9	+2	SW	3	c	61	75	7	-	7	-	0	9	-	1	*	c	c	ccidomo	ccidomo
	Thorney Island	1017.3	+18	WNW	1	c	68	65	8	7	6	-	4-6	7-8	4000	1017.6	0	WSW	2	c	62	92	7	-	3	9	0	10	-	1	*	cbcc	ccidomo	ccidomo	
	Lympne ...	1016.2	+22	N	1	c	63	75	8	8	-	-	2-3	3	1500	1018.7	+6	-	0	61	85	6	5	-	7	94	10	6000	1	5	cbcc	ccidomo	ccidomo		
	Manston ...	1016.3	+26	WNW	2	c	62	85	8	8	-	-	2-3	3	3000	1018.4	+4	SE	1	c	61	85	9	8	7	-	7-8	94	2000	1	*	cbcc	ccidomo	ccidomo	
2	Shoeburyness ...	1016.4	+16	WNW	3	bc	67	75	7	8	-	-	4-6	4-6	4000	1018.1	+6	SW	2	c	64	75	8	7	6	4	6	94	2500	1	*	ir, p, bc, m	bc	cbcc	ccidomo
	Felixstowe ...	1015.3	+18	NNW	2	c	65	75	8	1	7	-	2-3	3	2000	1017.3	+6	S	2	c	62	85	7	4	4	6	Tr	94	4000	1	*	bc	bc	ccidomo	ccidomo
	Gorleston ...	1016.0	+28	NNW	2	bc	63	75	7	1	-	-	4-6	4-6	2500	1017.2	+4	NNE	1	c	61	75	8	5	4	1	2-3	7-8	1500	0	3	bc	bc	ccidomo	ccidomo
	Mildenhall ...	1015.0	+18	NNW	2	c	63	75	8	7	-	-	7-8	7-8	2200	1017.2	+4	SW	2	c	64	85	8	5	3	6	7-8	94	5700	0	*	cbcc	ccidomo	ccidomo	
	Cranwell ...	1018.7	+10	NNW	2	bc	66	55	7	1	-	-	4-6	4-6	1500	1016.4	+2	SW	2	c	63	75	8	-	-	6	0	9	-	1	*	bc	bc	ccidomo	ccidomo
3	Birmingham	1015.8	+8	-	0	bc	66	55	7	7	-	-	4-6	4-6	4000	1015.9	0	SE	2	c	65	45	7	1	-	8	Tr	9	4000	1	*	cbcc	bc	ccidomo	ccidomo
4	Upper Heyford	1016.3	+10	-	0	do	64	65	6	5	-	-	4-6	4-6	2000	1016.5	+2	SW	1	c	64	65	7	-	7	6	0	10	-	1	*	cbcc	bc	ccidomo	ccidomo
	Ross-on-Wye ...	1016.0	+6	SE	2	bc	68	55	7	1	-	-	4-6	4-6	4000	1015.8	0	S	1	62	65	6	5	-	7	2-3	4-6	4000	1	*	cbcc	bc	ccidomo	ccidomo	
5	Hartland Point	1016.4	+6	W	2	bc	60	85	8	2	4	6	2-3	4-6	2500	1014.9	-10	S	2	c	62	75	8	2	7	1	7	2500	1	3	bc	bc	ccidomo	ccidomo	
	Bristol ...	1016.9	+6	S	1	c	68	55	7	2	-	8	7-8	7-8	3000	1016.2	-6	S	2	c	65	75	7	2	7	1	10	4000	1	*	bc	bc	ccidomo	ccidomo	
	Portland Bill ...	1017.2	+12	WSW	3	c	62	85	8	2	4	1	4-6	4-6	4000	1017.0	-2	S	3	c	60	85	8	5	2	-	7-8	10	2500	1	4	bc	bc	ccidomo	ccidomo
	Plymouth ...	1017.9	+10	SSW	3	c	62	85	8	1	3	6	1	5	2000	1016.6	-10	SSW	2	c	60	92	8	5	2	8	1	94	500	0	2	bc	bc	ccidomo	ccidomo
	The Lizard ...	1017.0	+6	SE	3	bc	63	85	8	7	6	-	4-6	4-6	3500	1014.0	-16	SE	4	c	58	97	7	5	-	10	10	1000	0	3	bc	bc	ccidomo	ccidomo	
	Scilly (St. Mary's)	1016.0	-2	SE	3	c	62	85	8	8	7	-	1	10	2000	1012.8	-22	SE	5	c	58	92	7	5	7	-	2-3	10	1200	1	3	bc	bc	ccidomo	ccidomo
	Guernsey ...																																		
6	Pembroke ...	1016.7	+14	S	3	bc	60	85	8	2	4	2	2-3	4-6	3500	1014.7	-14	SE	4	c	59	92	8	5	7	-	4-6	94	2500	0	3	bc	bc	ccidomo	ccidomo
7	Holyhead (Valley)	1015.5	+6	SW	2	bc	63	75	8	2	-	4	7-8	7-8	2500	1014.6	-2	SW	2	c	60	85	9	5	1	6	Tr	9	3500	0	1	bc	bc	ccidomo	ccidomo
	Chester (Sealand)	1015.4	+6	WNW	3	do	67	65	7	1	-	-	2-3	2-3	2000	1014.8	-2	NW	2	c	63	75	6	8	2	-	4-6	7	2000	1	*	bc	bc	ccidomo	ccidomo
8	Manchester ...	1015.3	+4	W	2	bc	68	65	7	1	-	-	4-6	4-6	2500	1015.2	-2	SE	1	67	55	6	5	-	-	7-8	7-8	3000	0	*	bc	bc	ccidomo	ccidomo	
10	Spurn Head ...	1015.9	+24	E	2	b	60	75	7	1	-	-	1	1	4000	1016.4	0	SE	4	bc	60	85	7	-	1	4	0	4-6	-	0	3	bc	bc	ccidomo	ccidomo
	Catterick ...	1014.9	+6	SE	1	bc	71	45	8	1	-	-	2-3	2-3	3500	1014.8	+6	WSW	2	bc	67	55	7	2	3	4	2-3	4-6	3500	0	4	bc	bc	ccidomo	ccidomo
	Tynemouth ...	1014.5	+8	SE	3	do	60	75	6	2	-	-	4-6	4-6	3200	1015.1	+4	SE	3	c	62	65	6	8	-	-	7-8	7-8	3000	1	2	bc	bc	ccidomo	ccidomo
11	St. Abbs Head	1013.2	+14	S	2	fg	57	85	7	8	4	-	4-6	7-8	1500	1013.9	+4	SE	3	c	55	92	7	8	7	-	4-6	94	2000	1	2	bc	bc	ccidomo	ccidomo
	Leuchars ...	1012.8	+6	W	3	c	64	65	8	8	-	-	9	9	3500	1013.4	+6	SW	2	c	66	55	8	6	-	7-8	9	3500	0	*	bc	bc	ccidomo	ccidomo	
12	Renfrew (Abbots L.)	1013.5	+2	SW	1	bc	68	55	8	8	-	-	9	9	2500	1013.8	+2	SW	1	c	64	55	9	8	7	2	4-6	9	3000	0	*	bc	bc	ccidomo	ccidomo
	Eskdalemuir ...	1013.7	+8	SW	3	bc	63	55	7	1	3	-	1	2-3	2500	1014.4	+4	SW	3	c	59	85	8	1	3	1	Tr	7-8	1500	0	*	bc	bc	ccidomo	ccidomo
	Point of Ayre ...	1014.8	+10	NNW	1	bc	62	85	8	2	3	3	1	2-3	4000	1014.5	-2	SE	1	c	62	85	8	1	3	4	Tr	7-8	3000	0	1	bc	bc	ccidomo	ccidomo
13a	Tiree ...	1013.0	+8	WSW	3	bc	61	75	8	2	3	-	4-6	4-6	2800	1013.4	0	S	1	c	57	85	8	4	3	-	4-6	94	2500	0	3	bc	bc	ccidomo	ccidomo
13b	Stornoway ...	1012.0	+12	SSW	4	c/pr	59	85	8	7	2	-	7-8	94	2000	1013.0	+4	S	3	c	57	85	8	7	-	7-8	94	2500	1	2	bc	bc	ccidomo	ccidomo	
15	Dalwhinnie ...	*	+4	SSW	4	bc	63	85	8	2	-	8	4-6	4-6	4000	*	+6	SW	1	c	61	65	8	2	3	8	2-3	7-8	4000	0	*	bc	bc	ccidomo	ccidomo
	Aberdeen ...	1012.8	+6	SE	2	bc	65	65	7	8	-	3	4-6	4-6	2500	1013.3	+4	SW	1	c	59	85	6	8	-	3	9	2300	1	2	bc	bc	ccidomo	ccidomo	
	Wick ...	1012.6	+12	N	1	rr	58	92	8	9	7	-	7-8	94	3400	1013.4	+4	NNW	1	bc	56	85	9	4	6	3	4-6	4-6	4000	4	*	bc	bc	ccidomo	ccidomo
16	Sumburgh ...	1011.9	+2	SW	2	c/r	58	85	8	5	7	-	2-3	3	2000	1012.9	+4	SW	2	bc	56	92	8	5	3	-	Tr	1	800	2	*	bc	bc	ccidomo	ccidomo
17	Blackod Point...	1012.0	-4	S	3	c	60	85	8	-	7	-	0	9	-	1009.7	-18	S	3	c	62	75	8	-	5	0	7-8	*	0	2	c	c	ccidomo	ccidomo	
18	Malin Head ...	1012.9	+4	W	1	c	62	75	8	7	5	-	2-3	7-8	5700	1011.8	-10	E	1	c	60	75	8	4	7	-	2-3	7-8	5700	0	1	c	c	ccidomo	ccidomo

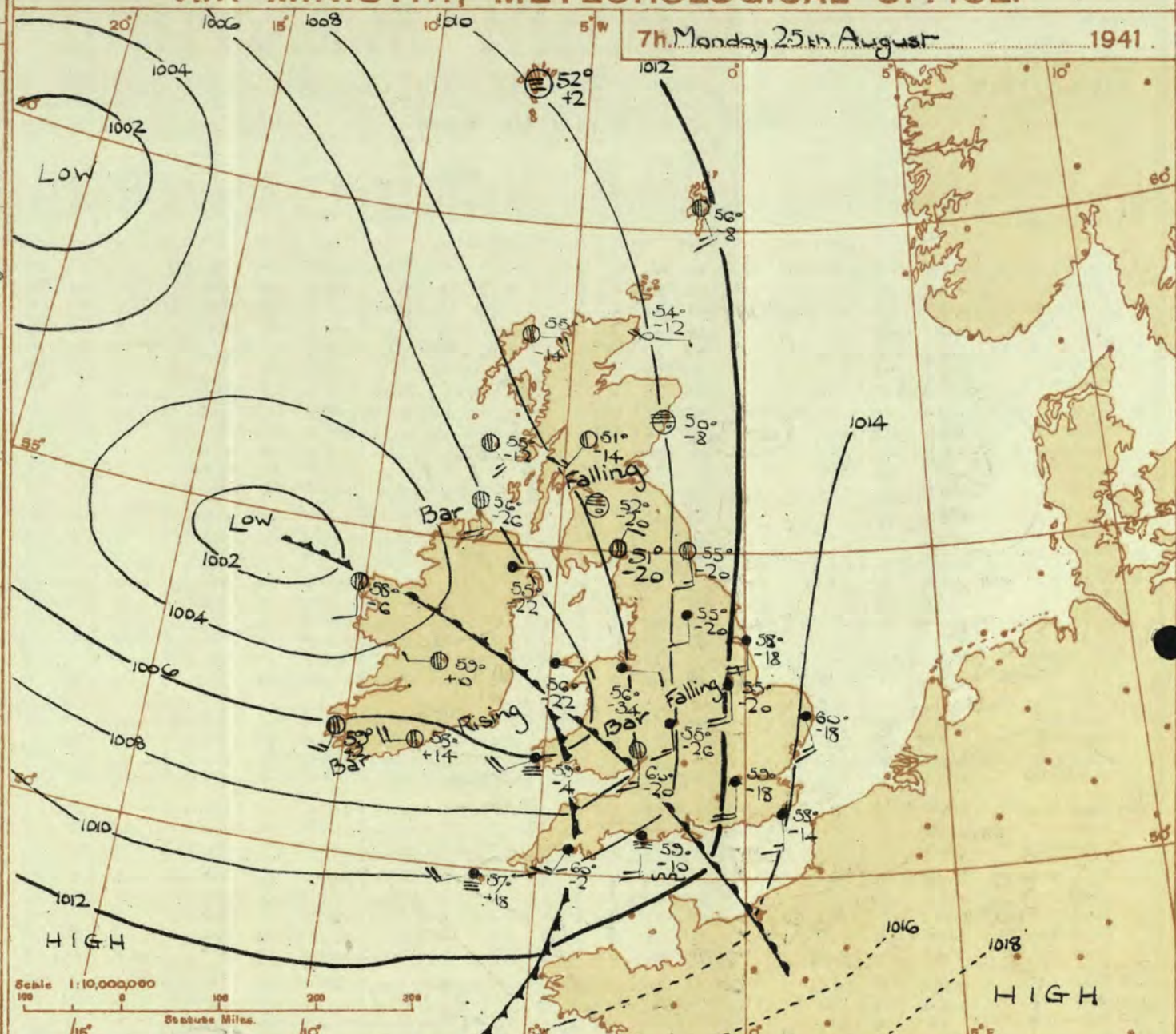


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 24h. August....13h. G.M.T.				01h. G.M.T. 25h. August....07h. G.M.T.								
III	C <sub>M</sub>	wwVhN <sub>H</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>H</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>H</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>H</sub>	DDFWN
109	83	02864	18225	87	81865	18126	5-	02757	00027	5-	08528	08148
115	54	02944	20425	54	02844	20325	54	02944	12325	52	02844	12387
203	8-	02945	16425	80	02943	16423	5-	02946	10426			
206	83	82855	16286	83	02864	24185	5-	02648	00028	5-	08528	00023
210	80	01863	16243	47	02863	10185	53	01764	10125	07	01870	00025
220	73	01953	18304	53	01954	19316				53	01953	15414
230	23	02853	20226	27	02844	22117	5-	02866	00066	57	02861	06217
245	26	01853	20315	44	02863	16316	54	02453	28127	52	62664	06168
260	83	01764	22114	57	02864	20127	54	00761	00012	53	22566	00068
278	86	00863	32113	23	02951	14316				52	62635	10368
279	20	00752	20302	25	01862	22214	5-	05684	08244	5-	02557	04167
285										--	48109	10349
288	20	00862	18102	40	01753	18214	53	08454	18215	52	62655	42228
575	87	02953	10217	23	02851	14125	57	61854	18217	62	51636	08258
801	20	00851	26201	26	02754	30115	52	05554	14488	52	62644	13568
321	10	05663	00003	17	05651	16314	07	05630	15303	62	61526	16368
299	70	05643	28308	57	05654	24214	50	05653	18213	5-	64448	12468
292	10	00962	18102	10	00662	15102	00	05523	16125	00	62638	17368
310										--	57109	26449
614	20	05664	20114	00	02730	18117	51	05554	16128	02	62438	18268
333	10	01851	18203	13	02941	18117	52	02754	12428	52	54427	12368
334										--	03647	20228
340	10	01764	23214	04	02730	14317	5-	05578	14228	62	51635	12468
136	10	01853	32363	40	02861	18106	00	05630	14214	62	62636	12368
336										52	51652	16368
350	80	05665	18115	07	02730	16228				5-	52428	12368
368	10	05661	22226									
379	20	01754	00014	03	02730	14326	5-	22678	14368	--	57109	14369
390	80	01755	30155	57	02773	00027	57	05574	22217	52	51537	12368
382	7-	02756	30126	03	02730	217?	57	05665	12328	62	52426	12258
438	5-	03748	20328							--	67009	20469
430	2-	01854	30214	07	02730	18328	52	05665	2268	02	54408	14368
406	53	02954	16327	57	02941	14328	02	52628	14568	5-	57308	21458

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.

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

1 S.E. England	Moderate south to southwest winds; cloudy with some light rain or showers at first; then mainly fair; rather close.
2 E. England ...	
3 E. Midlands ...	Winds southeast moderate veering south to southwest this afternoon; dull with rain early, becoming mainly fair local coast fog early; rather close.
4 W. Midlands ...	As 1
5 S.W. England	Wind west to southwest moderate to fresh locally, backing southwest to south; fair periods, local showers, overcast with some drizzle or light rain later with some coast and hill fog; close.
6 South Wales ...	
7 North Wales ...	As 2
8 N.W. England	
9 N. Midlands ...	Wind southeast to south moderate to fresh locally veering south to southwest; dull, rainy at first, bright periods with some showers later; rather close.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	
13B. N.W. Scotland	Wind east to southeast, light, freshening; fair early, then dull and rainy, some local coast fog, rather cool.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	As 7-8
19 S. E. Ireland	
20 S. W. Ireland	As 5-6

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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.

GENERAL INFERENCE.

Pressure is high on the Continent and lowest south of Iceland. A secondary depression just off Northwest Ireland is moving north-northeast and will later turn north or north-northwest. There will be a period of general rain in the northern half of the country today but improving conditions over the Southwest will spread northeast. Further rain or drizzle is expected in the Southwest tomorrow.

FURTHER OUTLOOK.

Rather unsettled with some further rain or drizzle in most districts but smaller amounts than of late.

Forecasts issued at 10.30h. G.M.T.  
H.M.S.O. Press, Meteorological Office, Dunstable.

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

C.269/4120. No. 5175. D. 6034. 6p. 348. 3500. 5/41

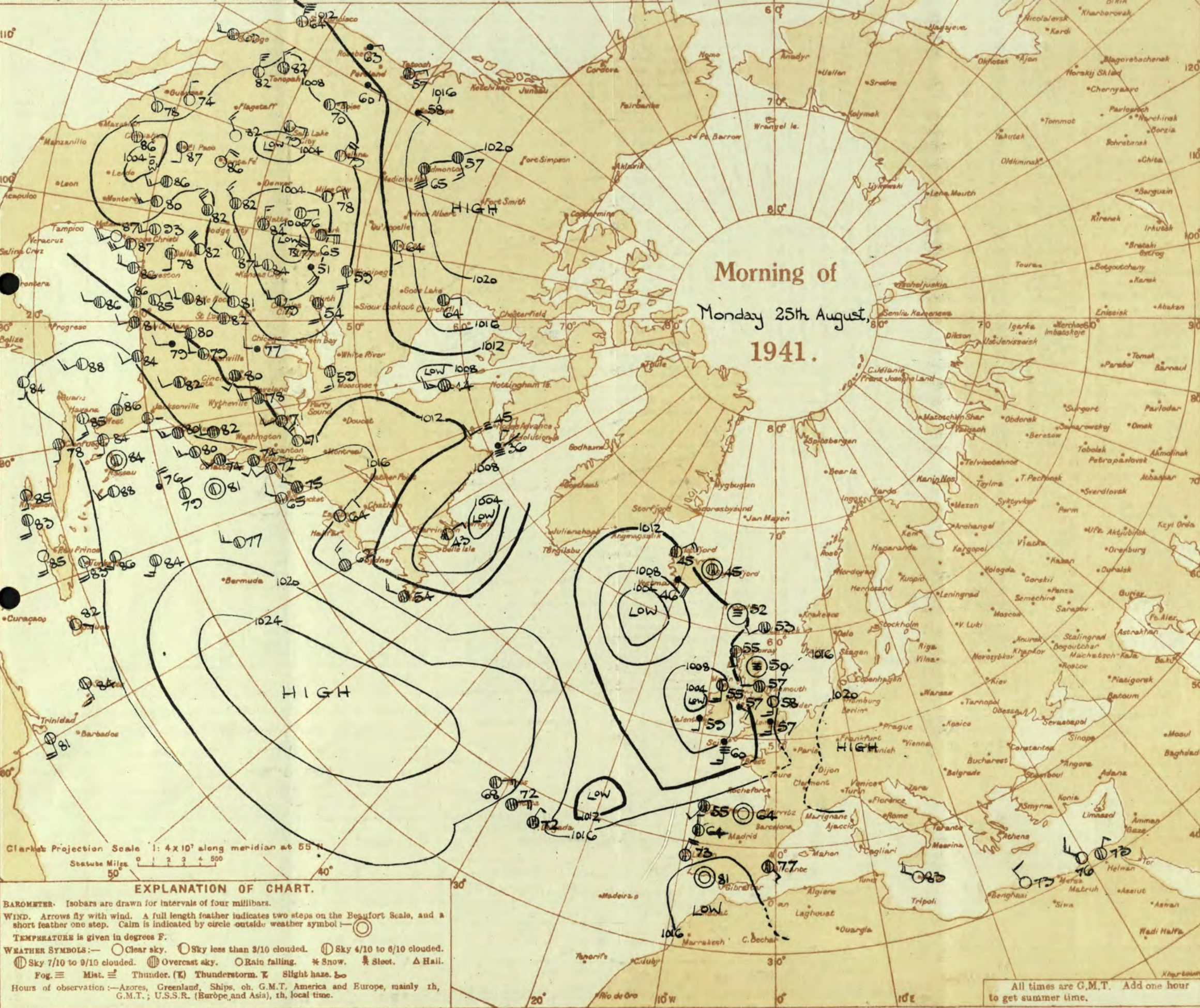


# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.  
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.

Morning of  
Monday 25th August,  
1941.



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



# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 25th August															OBSERVATIONS at 7 hr. G.M.T. 25th August															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Temp. (5)	Humid. % (7)	Visibility (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Temp. (20)	Humid. % (21)	Visibility (22)	Cloud.					State of Ground (29)	Sea (30)	TEMPERATURE.			RAINFALL.		SON-SHINE (36)					
					Direc.	Force.				Form.	Amount.	Height of Base (feet) (14)	Direc.	Force.			Form.	Amount.				Height of Base (feet) (28)	Max. Day 7h-15h (31)	Min. Night 15h-7h (32)	Min. on Grass (33)	Day 7h-15h (34)			Night 15h-7h (35)										
																														(3)	(4)	(9)	(10)		(11)	(12)	(13)	(16)	(17)
1	London (Kew) ... 18	1016.3	-18	SE	3	57	85	6	5	2	-	4-6	10	5700	1011.0	-26	SE	3	id.	60	92	6	5	-	10	10	1500	1	67	56	50	-	72	4.8					
	Croydon ... 217	1016.3	-18	SE	3	57	85	6	5	2	-	4-6	10	5700	1011.0	-26	SE	3	id.	59	97	6	5	-	10	10	1500	1	67	55	54	0.1	72	1.9					
	S. Farnborough ... 226	1015.8	-18	SE	3	57	97	6	5	-	-	10	10	5000	1010.8	-24	SE	3	id.	60	97	4	6	2	-	7-8	10	200	1	67	56	51	-	0.1	2.9				
	Boscombe Down ... 417	1015.0	-24	SE	3	57	92	6	5	-	-	10	10	2500	1010.4	-14	SE	3	id.	61	97	5	-	2	-	10	10	200	1	69	56	54	-	1	6.9				
	Thorney Island ... 10	1015.5	-22	SE	3	60	85	6	5	2	-	10	10	4000	1011.1	-14	SE	3	id.	62	97	6	6	2	-	9	10	400	1	70	59	-	-	1	4				
	Lympe ... 346	1018.1	-10	SE	1	57	97	6	5	2	-	7-8	10	4000	1014.2	-14	SE	3	id.	58	97	4	6	-	-	10	10	100	1	65	57	46	Tr	0.3	0.6				
	Manston ... 154	1017.8	-12	SE	2	58	92	6	-	7	-	0	7-8	-	1013.6	-20	SE	3	id.	59	92	6	5	7	-	9	54	200	1	67	56	52	Tr	0.1	2.4				
2	Shoeburyness ... 11	1017.2	-6	SE	3	62	85	7	-	7	0	94	-	1013.3	-20	SE	4	id.	60	92	6	5	2	-	7-8	10	800	1	69	58	49	0.1	0.3	4.6					
	Felixstowe ... 16	1017.2	-6	SE	3	62	85	7	-	7	0	94	-	1014.4	-10	SE	4	id.	60	92	6	6	2	-	2-3	10	1000	1	68	60	57	Tr	0.4	3.4					
	Gorleston ... 5	1018.3	-2	SE	2	60	92	6	-	4	-	0	2-3	-	101.4	-18	SE	3	id.	60	92	6	6	-	-	10	10	1500	1	69	58	53	0.3	0.6	4				
	Mildenhall ... 19	1016.4	-12	SE	2	58	97	6	-	2	0	2-3	-	1012.2	-22	SE	3	id.	58	97	6	5	-	-	10	10	700	1	70	54	50	0.1	1	5.0					
	Cranwell ... 240	1015.9	-8	SE	2	53	92	6	-	7	2	0	7-8	-	1011.7	-20	SE	4	id.	55	92	4	6	2	-	7-8	10	500	1	65	51	48	-	3	8.5				
3	Birmingham ... 535	1014.8	-18	SE	2	54	92	6	-	2	-	10	10	6000	1008.6	-26	SE	3	id.	55	97	5	6	-	-	10	10	800	1	68	54	52	-	3	6.6				
	Upper Heyford ... 408	1014.8	-18	SE	2	54	92	6	-	2	-	10	10	6000	1009.8	-26	SE	3	id.	57	97	4	-	2	-	10	10	200	1	67	55	54	-	4	1				
4	Ross-on-Wye ... 223	1014.8	-18	SE	2	54	92	6	-	2	-	10	10	6000	1008.2	-20	SE	3	id.	57	97	6	5	2	-	9	10	800	1	70	56	55	-	3	9.5				
5	Hartland Point ... 299	1009.7	-32	SE	4	59	92	7	5	2	-	7-8	94	1500	1007.5	-14	WSW	4	id.	59	97	2	-	-	-	-	-	1	64	58	57	-	1	8.6					
	Bristol ... 209	1013.8	-24	SE	3	58	92	7	5	2	-	4-6	10	2500	1009.1	+2	SSW	2	id.	59	97	8	5	-	-	9	94	3000	1	70	57	-	0.5	2	7.0				
	Portland Bill ... 32	1013.5	-26	SE	4	59	92	7	5	-	-	10	10	2500	1009.8	-10	SW	4	id.	59	92	3	5	-	-	10	10	4150	1	63	51	-	-	3	1				
	Plymouth ... 82	1011.8	-30	SE	3	60	97	5	-	2	-	10	10	200	1009.5	-2	SW	3	id.	60	97	5	-	2	-	10	10	100	1	64	52	56	Tr	6	8.5				
	The Lizard ... 240	1009.7	-28	SSW	4	59	97	1	5	-	-	10	10	400	1010.5	+20	W	4	id.	56	97	2	5	-	-	10	10	400	1	64	53	-	Tr	4	5.7				
	Scilly (St. Mary's) ... 163	1008.1	-20	SW	3	60	97	2	-	-	-	10	10	4150	1010.0	+18	W'S	4	id.	57	97	2	-	-	-	10	10	4150	1	64	56	-	-	4	5.0				
	Guernsey ... 175	1008.1	-20	SW	3	60	97	2	-	-	-	10	10	4150	1010.0	+18	W'S	4	id.	57	97	2	-	-	-	10	10	4150	1	64	56	-	-	4	5.0				
6	Pembroke ... 142	1008.6	-24	SE	6	58	92	7	8	2	-	7-8	10	1500	1006.3	-4	WSW	4	id.	59	97	2	-	-	-	10	10	4150	1	62	56	-	-	-	9.5				
7	Holyhead (Valley) ... 26	1010.6	-26	ESE	1	57	92	6	5	2	-	4-6	10	1300	1005.1	-22	ESE	2	id.	56	97	4	6	2	-	4-6	10	200	1	64	54	52	-	3	1				
	Chester (Sealand) ... 16	1012.7	-18	SE	2	57	92	5	-	2	-	10	10	6000	1007.8	-34	ESE	2	id.	56	97	4	5	2	-	10	10	400	1	68	55	52	-	5	8.2				
8	Manchester ... 70	1013.5	-14	ESE	3	59	85	5	5	2	-	4-6	10	3000	1007.1	-22	ENE	3	id.	55	97	3	-	2	-	10	10	600	1	71	55	54	-	4	10.1				
10	Spurn Head ... 29	1015.8	-4	S	3	58	92	6	-	5	0	2-3	-	1012.4	-18	SW	4	id.	58	92	6	5	2	-	4-6	94	1500	1	65	56	-	-	0.5	10.5					
	Catterick ... 175	1014.8	-10	S	1	54	97	3	-	2	0	7-8	-	1010.6	-20	SE	2	id.	58	97	4	6	2	-	7-8	10	2500	0	72	53	47	-	0.1	11.6					
	Tynemouth ... 108	1015.0	-4	W	2	57	75	5	5	-	-	7-8	7-8	2500	1011.1	-20	SE	3	id.	55	92	6	5	-	-	94	94	1600	1	63	55	52	-	-	11.6				
11	St. Abbs Head ... 280	1013.3	-6	W	3	54	85	7	4	4	-	2-3	4-6	1500	1009.8	-20	SE	2	id.	53	97	8	5	4	-	4-6	9	2000	1	58	52	-	Tr	1	1				
	Leuchars ... 36	1012.3	-14	W	1	50	97	6	5	-	-	2-3	2-3	2500	1009.2	-18	N	1	id.	54	85	6	5	7	-	7-8	94	2200	1	62	50	44	-	0.1	6.4				
12	Renfrew (Abbots I.) ... 19	1012.6	-10	ENE	1	50	92	5	5	-	-	Tr	Tr	3000	1008.6	-20	-	0	id.	52	92	4	5	7	-	7-8	10	4500	1	62	47	41	-	Tr	4.9				
	Eskdalemuir ... 794	1012.6	-10	ENE	1	50	92	5	5	-	-	Tr	Tr	3000	1008.6	-20	-	0	id.	52	92	4	5	7	-	7-8	10	4500	1	62	47	41	-	Tr	4.9				
	Point of Ayre ... 30	1012.3	-14	SE	2	55	97	7	6	2	-	7-8	10	1000	1006.4	-30	SE	6	id.	58	92	7	9	-	-	94	94	2000	1	65	54	-	-	6	11.1				
13A	Tiree ... 22	1009.7	-16	ESE	4	53	92	8	8	2	-	4-6	4-6	2500	1007.0	-12	SE	3	id.	55	92	8	5	-	-	9	94	2100	0	61	55	-	-	0.5	5.4				
13B	Stornoway ... 80	1013.0	0	SE	2	55	92	7	5	7	-	7-8	94	2500	1009.5	-14	E	3	id.	55	85	8	5	3	-	7-8	94	2500	1	61	53	-	3	0.5	4.2				
15	Dalwhinnie ... 1176	1013.0	0	SE	2	55	92	7	5	7	-	7-8	94	2500	1009.5	-14	SW	3	id.	51	85	8	9	4	-	2-3	4-6	1500	1	65	41	33	-	-	6.2				
	Aberdeen ... 79	1013.0	0	SE	2	55	92	7	5	7	-	7-8	94	2500	1009.5	-14	SW	3	id.	51	85	8	9	4	-	2-3	4-6	1500	1	66	45	45	0.4	-	8.5				
	Wick ... 119	1013.2	-4	E	1	53	97	6	5	7	-	1	94	1400	1010.6	-8	-	0	id.	50	97	4	5	7	-	7-8	10	3500	1	66	49	45	0.4	-	8.5				
16	Sumburgh ... 30	1013.8	0	-	0	52	97	6	5	-	-	9	9	1200	1012.1	-18	ESE	1	id.	54	97	5	5	-	-	10	10	300	1	52	47	-	-	-	1				
	Sumburgh ... 30	1013.8	0	-	0	52	97	6	5	-	-	9	9																										



AIR  
MINISTRY.THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.SECRET  
BRITISH SECTIONTuesday 26th August 1941.  
No. 29132

OBSERVATIONS at 13h. G.M.T. 25th August														OBSERVATIONS at 18h. G.M.T. 25th August														PAST 24 HOURS.						
DISCREP.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visib. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 8 hours (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visib. 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.						
				Direc.	Force. 0-12 (4)					Form.	Amount. Low 0-10 Total 0-10 (11) (12)	Height of Base (feet) (14)	Direc.			Force. 0-12 (18)	Form.					Amount. Low 0-10 Total 0-10 (23) (24)	Height of Base (feet) (26)	7h.-13h. 25th (37)	13h.-18h. 25th (38)			18h.25th to 1h.26th (39)	1h.-7h. 26th (40)					
1	London (Kew) ... Croydon ... S. Farnborough Boscombe Down Thorney Island Lymington ... Manston ...	1009.0 1009.4 1009.3 1009.2 1010.5 1011.3 1010.2	-8 -8 -2 -6 -2 -10 -14	SW SSW SWW SW SW'S WSW SWW	3 3 3 3 3 3 3	C C C C C C C	67 66 67 71 67 63 65	85 92 85 75 85 97 97	8 6 8 8 5 2 7	- - - 6 3 - -	9+ 9+ 9+ 4-6 4-6 10 10	1500 1000 1000 2000 1500 1500 700	1009.2 1009.8 1009.7 1010.1 1010.8 1011.8 1009.6	+2 +4 0 +2 0 +2 -2	SW'S SSW SW WN SWW WSW SWW	3 3 3 4 3 3 3	C bc C bc C C bc	64 64 66 65 63 61 64	85 88 85 65 85 97 85	8 8 8 8 7 8 9	2 3 3 2 3 7 2	4-6 4-6 1 1 2-3 2-3 Tr	7-8 4-6 9 4-6 1500 7-8 9+	1500 2000 1700 3000 1500 500 2500	1 1 1 1 1 1 1	*	cm.cide d.c.c d.m.c od.d.m.c oid.c or.d.FF cd.d.m.	cbc c c bcy cbcc of.d.ir.c ccir.	cbew becm cbbeb bc,b bucpr.c becm cir.cir.d.m.	bemaw bebwbe bebwbe buwbe bucpr.c om.bce becm				
2	Shoeburyness ... Felixstowe ... Gorleston ... Mildenhall ... Cranwell ...	1000.0 1009.0 1009.8 1007.7 1007.2	-12 -26 -26 -22 -18	SSW SE SE SE S	3 4 5 3 3	C C C C C	69 64 61 67 62	85 97 97 92 97	8 7 5 7 4	- 2 6 5 6	- - - 2 2	10 4-6 10 7-8 9+	1500 300 1500 800 300	1009.7 1007.9 1007.8 1007.5 1006.5	0 -2 -4 -2 -2	SSW SW SW SWW WSW	3 3 1 4 4	C C C C C	66 66 68 67 66	85 92 92 85 65	8 5 6 8 8	- 7 5 7 5	3 9 3 1 3	0 7-8 7-8 7-8 9	- 4000 1000 2000 2500	1 1 1 1 1	*	cir.m.c id.d.m.d. or.cir.d. cr.m.c pD.d.m.	c oc od.c.c cid.c od.m.c	cbc cbe bc bebwbe bc,b	bebwbe becm.wcm. bcw bebwbe bc			
3	Birmingham Upper Heyford	1006.8 1009.5	-4 +12	SW W	3 3	C C	63 68	85 85	8 7	9 -	7 -	4-6 10	2500 800	1007.5 1008.5	+2 +6	WSW SW	3 4	C bc	66 63	65 75	8 7	5 1	7 3	Tr Tr	7-8 4-6	2500 2000	1 1	*	r.c cm.c	cbcc cbeybe	cbc bc	bep bebid.c		
4	Ross-on-Wye ...	1007.8	+4	WSW	4	C	67	75	8	2	3	2-3	9+	1008.8	+4	SWW	4	C	62	75	8	6	7	-	4-6	9+	2500	1	*	d.c.p.c	cde	cbc	ep.cbe	
5	Hartland Point Bristol ... Portland Bill ... Plymouth ... The Lizard ... Scilly (St. Mary's) Guernsey ...	1010.0 1009.5 1010.2 1012.1 1012.4 1011.5	+10 +6 +2 +2 +8 +2	WSW W SW W W WSW	4 4 4 4 4 4	C C C C C C	59 65 60 63 62 63	92 95 85 92 92 85	8 8 7 5 8 8	5 3 - - 2 2	7 8 - - 1 -	4-6 9+ 10 2-3 7-8 9	1000 1500 2500 2000 1500 1500	1009.2 1009.4 1011.7 1011.7 1011.6 1011.0	-8 -12 +8 +8 -6 -6	WSW W SW SWW WSW WSW	4 3 4 4 4 4	C C C C C C	59 62 60 60 60 61	92 85 92 92 92 92	7 8 5 6 8 7	5 6 - - 6 2	- 3 - - - 2	8 9 10 500 7-8 9	700 2500 2500 500 2500 1500	1 1 1 0 1 1	4	ffec cid.c offc od.d.m.b.c d.fife odffe	c cbcd c bcc c c	cbeg,cbc be be cbep,pr.c bcw cpq,be	bebwbe hecp,rrb be be bcw bcw			
6	Pembroke ...	1009.0	+12	WSW	5	C	61	92	7	8	3	4-6	7-8	1500	1009.7	+6	SW	5	C	59	92	7	2	6	-	4-6	4-6	2000	1	3	id.cm	cbc	bebid	cbeg
7	Holyhead (Valley) Chester (Sealand)	1009.0 1009.0	+6 -10	SSW WSW	4 3	bc C	62 71	92 65	7 9	8 8	- 7	4-6 2-3	600 1400	1009.3 1006.5	0 +4	SW SW	5 3	C C	60 65	92 65	6 8	3 2	4 4	8 8	4-6 4-6	7-8 7-8	2000 2500	1 1	3	odfc cm.m.d.c	bcc cm	bbcc cbcm	cbc cbm,pr.bce	
8	Manchester ...	1009.6	-14	S	3	z.	66	75	6	5	-	10	10	1006.1	0	SW	3	bc	64	75	8	2	6	8	4-6	4-6	2500	1	*	rfr.c.m.	cm.cbc	bebwbe	bbebmpr.	
10	Spurn Head ... Catterick ... Tynemouth ...	1007.1 1005.6 1007.4	-16 -22 -22	SSE S SE	4 2 4	id. m. or.d	60 61 56	97 92 97	5 4 6	- 2 -	2 2 -	10 7-8 10	800 300 1200	1005.3 1004.7 1003.7	-4 0 -18	SW'S WS S	3 3 3	C bc z.	65 64 63	85 75 85	6 8 5	2 8 2	7 7 3	8 2 1	4-6 2-3 4-6	7-8 4-6 7-8	4000 2500 2000	1 1 1	3	omd er.d.m cir.idm	remc cmr.c ocm.c	b pr.bemo cbc	bbee cbc cbm,pr.bce bc,pr.be	
11	St. Abbs Head Leuchars ...	1006.5 1005.4	-8 -24	SE SE	4 4	F+ z.	54 63	97 88	3 6	- 5	- -	10 9+	1150 1800	1002.6 1002.2	-16 -22	SE SE	3 2	F z	55 57	97 92	1 6	- 5	- -	- -	10 10	1150 500	1 0	2	cm.m.c.m.c cid.m.m.c	cmbe cmob.m.	bc bbcem.	bc PR,pr.m.c		
12	Reufrow (Abbots L.) Eskdalemuir ... Point of Ayre ...	1004.9 1004.3 1004.2	-20 -14 -10	EN SE'S SW	2 2 3	ro. ro. id	58 55 68	85 92 97	4 6 7	5 6 2	- - -	4-6 10 7-8	3000 450 1000	1002.1 1002.7 1003.3	-24 -8 -4	SW SW'S WSW	2 4 4	z/d z C	59 57 65	92 97 75	5 6 8	3 6 7	- - -	9+ 10 9	3+ 10 4000	1000 450 1	1 1 3	cm.m.c.m.c cid.m.m.c cir.r dd.cid	cmob.m. r.d.f.c CR,ir. cbcc	cbcm,pr crr,ir. cbc	PR,pr.m.c cir. bcc			
13A	Three ...	1003.6	-16	SEE	2	z/d	57	85	7	5	-	10	1100	1000.8	-10	SWW	2	C	57	97	7	5	-	-	7-8	7-8	800	1	3	cd.d.	od.Rc	bc	cbcl	
13B	Stornoway ...	1006.0	-22	E	2	z	61	75	8	5	3	2-3	9	4000	1002.5	-16	N	1	C	59	85	8	5	7	-	7-8	10	2000	1	1	c	c	pr	cpr,RR
15	Dalwhinnie ... Aberdeen ... Wick ... Sumburgh ...	1005.1 1007.5 1007.8 1010.2	-20 -18 -10 -6	SSE SE SE SE	2 2 3 3	z z z C	55 57 56 58	85 92 92 92	6 5 6 8	5 6 7 5	2 2 - -	7-8 7-8 7-8 10	1500 1200 5000 800	1002.7 1003.4 1004.7 1007.6	-18 -26 -18 -14	SE SE ESE SSE	3 4 4 4	rr ro. z. z.	53 54 56 57	97 97 97 97	6 6 6 5	5 2 7 -	- - - -	7-8 9+ 2-3 10	10 1100 300 400	1 1 1 *	*	c cirfc bcm.cir.c r	orr ccrr. cm. r	pr rrad.off errad.m r	cir offbo r			
17	Blackod Point...	1003.1	0	SW	4	z	63	85	8	2	6	2-3	7-8	2500	1001.8	-6	SW'S	4	z	58	92	8	3	5	-	7-8	7-8	2500	1	4	pr.c	pr.c	bcc	bc
18	Malin Head ... Aldergrove ...	1002.2 1003.0	-10 -10	SW SW	1 3	C C	61 65	85 75	7 3	9 2	- -	9 7-8	1500 1200	1001.6 1002.8	-6 0	SW SE.E	1 2	bc z	60 57	85 92	8 8	4 9	3 -	- 9	2-3 9	2-3 1200	5700 1200	0 2	3	C rrm,pr,be	bc PR,LRH	bcl,pr.c cbcl,bbc	cpr,pr.c bcl,PR,be	
19	Birr Castle ...	1004.5	-2	WSW	1	z	63	85	8	8	7	7-8	9	1500	1004.1	-2	W	2	pr	63	75	8	8	7	-	4-6	7-8	1500	1	*	cpr	cpr	bcc	bc
20	Valentia Obay. † Roches Point ...	1006.5 1007.1	+2 +2	SSW SW	5 4	C bc	64 62	85 85	8 2	6 -	- -	9 4-6	2500 2500	1006.5 1006.6	+2 -6	WSW SWW	4 5	pr pr	57 61	92 85	7 8	3 4	- -	9 4-6	9 7-8	1500 1500	0 1	4 5	cpr.c bc	cpr,pr.c bcc	cpr,pr.c bhe	bcl,pr.c bc		

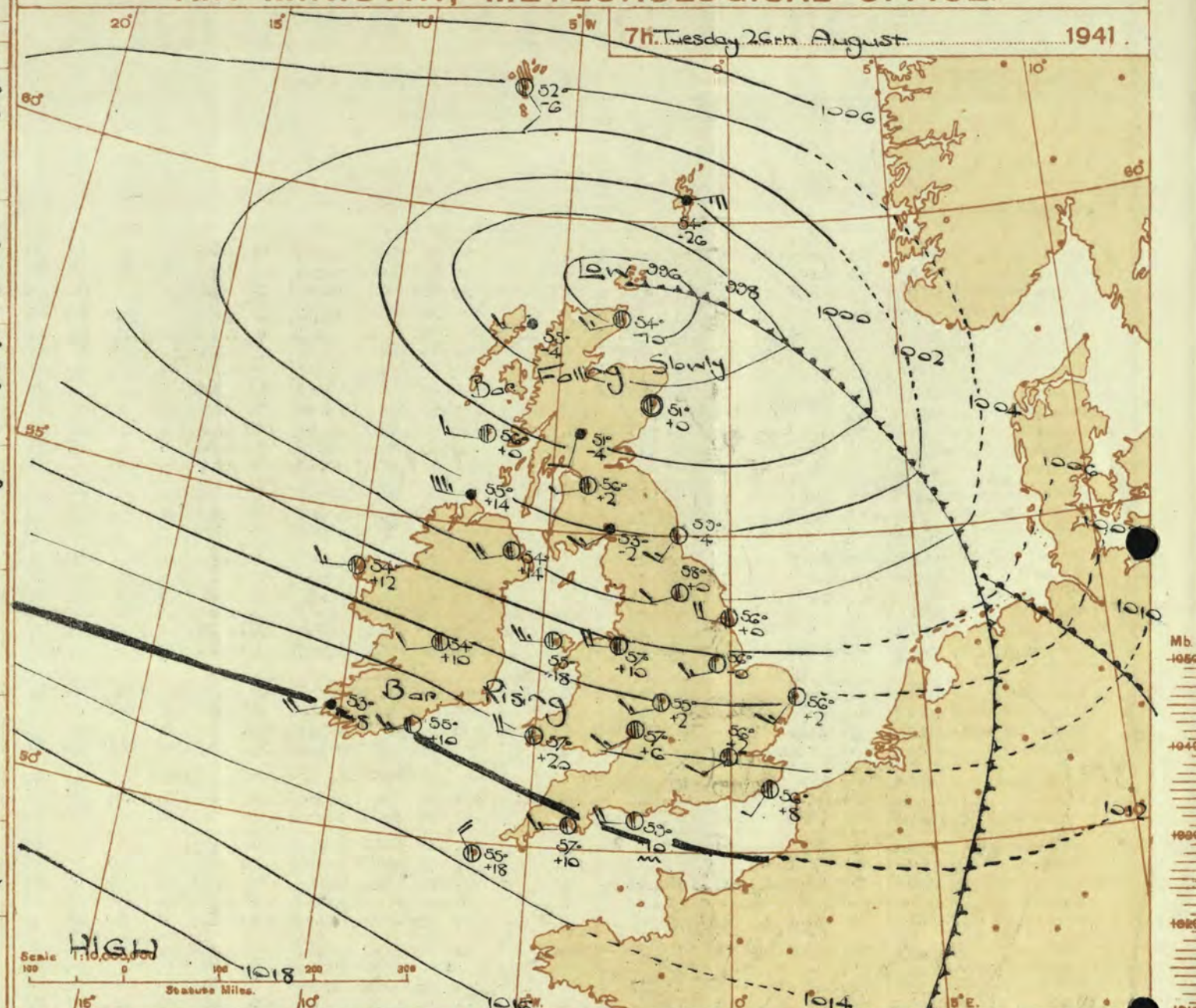


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 25th August... 18h. G.M.T.							01h. G.M.T. 26th August... 07h. G.M.T.						
III	C <sub>W</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>W</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>W</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>W</sub>	wwVhN <sub>h</sub>	DDFWN	
109	53	05774	12426	5-	05538	12363	5-	06538	12568	6-	03648	06568	
115	53	09844	12316	52	02734	12327	--	67103	12363	--	46203	20263	
203	5-	01944	32224							5-	03838	20238	
206	52	62755	04168	52	61655	08268	5-	02758	16168	5-	01895	20225	
210	5-	02867	09357	52	62665	10268	5-	01765	20165	54	01853	20214	
220													
230	52	61857	10268	62	63647	16168	5-	02845	00065	8-	02857	20388	
245	52	05647	12368	02	52518	11468	5-	01733	23363	54	05665	20317	
260	5-	08658	10328	5-	21548	08158	50	01764	20284	80	02846	20386	
278	5-	21628	12368	3-	81957	19387	5-	00852	26392	5-	02867	21467	
279	52	52645	00058	84	01854	20355	8-	02775	16295	8-	02848	55588	
285	--	67203	08363							26	25636	24587	
288	5-	02748	14368	80	01842	22325	50	81755	19315	87	02754	19385	
576	26	25856	28187	3-	25855	24195	62	63636	57468				
801	5-	61647	08365	84	01853	22463	8-	25754	55684	87	02845	57587	
321	52	05637	18358	87	02751	22316	00	05690	23200	86	05653	22314	
299	5-	54438	10558				00	05590	22310	50	05653	20203	
292	62	05336	19268				5-	00752	23302	5-	01854	25214	
310	--	02428	26448	--	01636	26416							
614	62	21446	16268	57	02764	22325	00	05590	19300	1-	08455	52405	
333	51	02716	20357	5-	02745	18525	5-	01645	20525	23	01842	22413	
334	--	03656	12228	--	81645	04327				--	03847	16328	
340	23	25947	55457	27	02863	20225				53	02875	22386	
136	5-	21637	15468	29	02751	21363	03	01790	18213	50	01724	20314	
336	14	01763	20414	52	02762	20418							
350	7-	21748	18458	23	02852	53525				5-	02748	18318	
368	87	51846	22557	27	02842	22527							
379	57	02934	20357	27	01841	20315	50	01644	18314	20	29733	20384	
390	57	02636	18358	83	02752	22325	04	05690	20212	53	05623	22314	
382	87	02845	20327	27	02852	23425	04	00790	20212	5-	21846	21326	
438										81	02755	24916	
430	5-	02728	22358	53	02835	20427	50	00741	22411	86	25854	22385	
409	18	01953	20425	51	02834	21327	50	01734	20484	54	02846	26387	

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 26th August...

1 S.E. England	Mainly moderate westerly winds; bright intervals and local showers, with thunder in places, more especially in the East; average temperature.
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	Variable winds, finally, becoming westerly moderate, dull and rainy at first; bright intervals and local thundery showers later; average temperature.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	Moderate westerly wind, fresh locally; bright intervals and local thundery showers and thunderstorms; average temperature.
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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  
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.

GENERAL INFERENCE.

A depression centred off North Scotland is moving northeast or east. Weather will be generally showery, with some local thunderstorms, but in the extreme north there will be more general rain at first.

FURTHER OUTLOOK.

A short interval of mainly fair weather, followed by further rain spreading across from the West.

Forecasts issued at 10.30h.

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

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

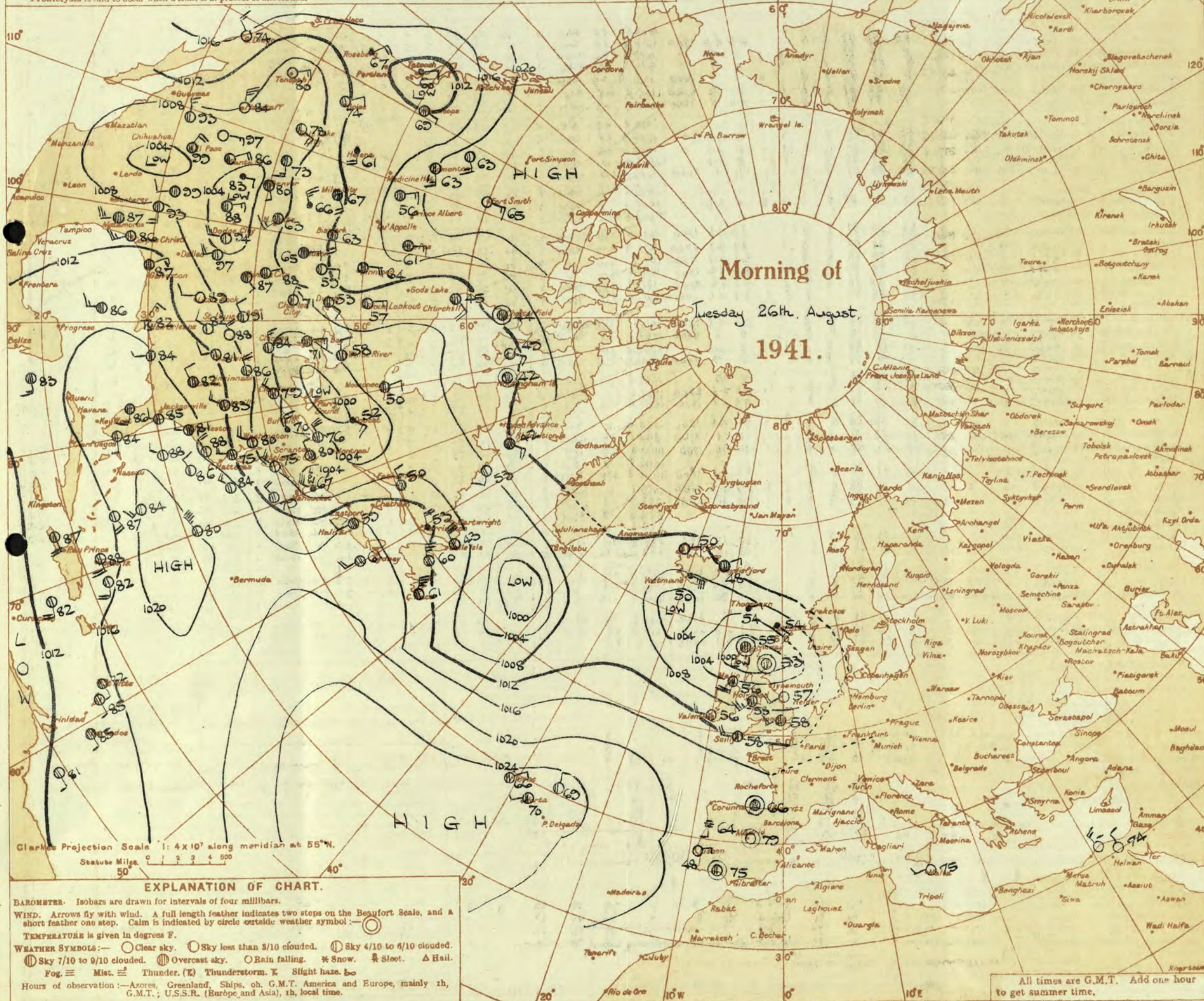
6.269/4120. H. 9/76. D. 6034. Gp. 248. 3300. 3/41



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 26th August															OBSERVATIONS at 7 hr. G.M.T. 26th August															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at 1 hr. M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-3 (8)	Cloud.			Barom. at 7 hr. M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-3 (22)	Cloud.			Sea. 0-9 (30)	TEMPERATURE.					RAINFALL.		SUNSHINE Hrs. (36)						
					Direc. (3)	Force. (4)					Low. (9)	Med. (10)	High (11)			Low 0-10 (12)	Total 0-10 (13)					Height of Base. (feet) (14)	Direc. (17)	Force. (18)		Low. (23)	Med. (24)	High (25)	Low 0-10 (26)	Total 0-10 (27)	Height of Base. (feet) (28)	State of Ground. 0-9 (29)		Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	1009.5	+2	SSW	3	z	58	92	6	5	-	1	4-6	4-6	2500	1	*	70	55	51	Tr	-	1.3					
	Croydon	217	1010.1	-4	SW	3	bc	58	97	7	5	-	4-6	4-6	1500	1010.1	+2	SW'S	2	c	56	97	7	5	5	2-3	7-8	2000	1	*	72	53	50	0.3	-	1.7			
	S. Farnborough	226	1010.7	+2	W'S	2	b	57	92	7	-	4	-	0	Tr	1009.9	+2	WSW	4	c	57	85	8	5	-	9	4	4000	1	*	72	54	*	0.1	-	1.7			
	Boscombe Down	417	1011.0	+2	SW	2	b	53	97	7	-	4	-	0	1	1010.5	+2	WSW	4	bc	57	85	8	5	-	1	2-3	4-6	1600	1	*	72	51	47	0.1	Tr	3.0		
	Thorney Island	10	1011.1	0	WNW	3	b	59	92	7	5	-	1	1	2100	1010.8	+4	WSW	3	c	59	92	7	8	6	-	9	94	2500	1	*	68	57	*	Tr	1	*		
	Lymington	346	1011.5	-2	SW	1	z	58	97	6	5	-	10	10	4000	1011.9	+8	SW	1	c	56	97	7	5	-	6	Tr	7-8	200	1	53	54	46	Tr	0.1	0.1			
	Manston	154	1009.9	-2	WSW	2	z	58	97	6	5	7	-	4-6	9	3000	1010.3	+8	WSW	3	z	57	97	6	-	-	6	0	7-8	-	1	*	67	53	51	Tr	0.1	0.4	
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1010.2	+4	SW	4	c	59	85	7	-	-	8	0	7-8	-	1	*	72	57	49	Tr	-	1.0				
	Felixstowe	15	1009.0	-2	WSW	2	bc	60	85	7	-	3	-	0	4-6	-	1008.7	+2	WSW	4	z	58	92	6	-	-	6	0	7-8	-	1	3	70	57	53	0.2	-	0.7	
	Gorleston	5	1008.6	0	SW	2	bc	60	85	6	-	4	-	0	2-3	-	1008.2	+2	SW	3	bc	56	85	7	-	7	4	0	4-6	-	0	2	68	54	49	1	-	*	
	Mildenhall	19	1008.5	0	SW	3	bc	57	92	7	-	3	-	0	2-3	-	1007.8	0	SW	4	bc	55	97	7	-	7	6	0	4-6	-	1	*	72	53	47	2	Tr	0.5	
	Cranwell	240	1007.2	-2	SSW	3	b	85	78	7	5	-	1	1	3000	1006.6	0	WSW	3	bc	56	85	7	1	4	-	2-3	4-6	2500	1	*	71	52	51	3	-	0.8		
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1007.6	+2	WSW	3	bc	55	92	7	5	7	-	2-3	4-6	2500	1	*	70	52	48	0.3	1	2.3				
	Upper Heyford	408	1008.3	-2	W'S	3	bc	55	97	7	-	4	8	0	2-3	-	1008.0	-2	WSW	3	c/d	55	92	8	5	-	-	7-8	7-8	200	1	*	68	51	48	0.2	Tr	*	
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1009.0	+6	SW'W	3	c	57	85	8	5	-	-	7-8	7-8	2500	1	*	69	55	51	Tr	0.1	2.8				
5	Hartland Point	299	1008.4	-10	W	4	bc	59	97	7	5	-	4-6	4-6	1500	1011.0	+16	WNW	4	c	58	85	8	2	4	-	4-6	7-8	1800	1	4	60	57	54	0.3	Tr	2.0		
	Bristol	209	1010.2	-4	SW	3	bc	55	92	7	5	-	2-3	2-3	2500	1010.4	+10	WSW	3	bc	58	85	8	8	-	-	2-3	2-3	2800	1	*	68	54	53	Tr	2	3.7		
	Portland Bill	32	1011.0	-4	WSW	4	bc	59	92	8	4	-	2-3	2-3	4000	1011.3	+10	W	4	bc	59	85	8	2	-	-	4-6	4-6	4000	1	5	60	56	*	0.6	-	*		
	Plymouth	82	1008.4	-4	WSW	3	bc	58	97	7	2	-	4-6	4-6	1200	1012.2	+10	W	3	bc	57	92	7	8	-	-	4-6	4-6	1800	1	3	66	55	54	0.2	0.3	3.5		
	The Lizard	240	1011.6	-6	W	5	bc	56	97	8	8	-	4-6	4-6	2000	1013.2	+20	WNW	3	bc	55	97	8	2	6	-	2-3	4-6	2500	1	3	63	54	*	1	-	2.6		
	Scilly (St. Mary's)	163	1011.6	+2	W	4	bc	58	97	7	4	4	3	2-3	4-6	1500	1013.7	+18	WNW	4	bc	55	97	8	8	4	-	2-3	2-3	1800	1	3	64	55	*	Tr	0.2	3.2	
	Guernsey	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
6	Pembroke	142	1008.3	-2	W'S	5	id.	58	92	7	4	-	2-3	4-6	2500	1011.1	+20	WNW	4	bcg	57	85	8	2	3	-	2-3	4-6	2500	1	4	62	55	*	Tr	Tr	2.4		
7	Holyhead (Valley)	26	1004.7	-4	SW	5	c	58	97	8	5	-	9	9	4500	1007.3	+18	W	5	bc	55	85	9	8	3	9	2-3	4-6	2500	0	3	64	54	51	1	-	*		
	Chester (Sealand)	16	1005.9	-6	SSW	3	z	59	85	6	-	4	-	0	2-3	-	1006.9	+10	W	4	c	57	75	7	8	3	-	4-6	7-8	2000	1	*	71	56	49	Tr	Tr	3.4	
8	Manchester	70	1005.6	-6	SW	3	z	55	85	6	5	-	Tr	Tr	3000	1006.0	+10	W'S	4	z	57	85	6	8	3	-	4-6	7-8	1400	1	*	68	54	49	1	-	1.0		
10	Spurn Head	29	1006.1	0	SW'W	4	b	57	92	7	-	-	0	0	-	1003.4	0	WNW	4	bc	56	85	7	1	4	1	1	2-3	4000	0	3	66	55	*	0.4	-	1.0		
	Catterick	175	1004.3	-4	S	1	z	57	85	6	5	-	2-3	2-3	2500	1003.5	0	WSW	2	bc	58	85	8	5	3	-	4-6	4-6	2800	0	*	64	49	48	2	1	1.8		
	Tynemouth	108	1003.6	-6	WNW	3	bc	57	85	6	2	-	4-6	4-6	1500	1002.7	-4	SW	3	bc	59	85	6	2	3	1	2-3	4-6	3000	1	2	63	55	52	0.5	1	*		
11	St. Abbs Head	280	1000.8	-6	W	4	bc	55	92	8	4	4	-	4-6	4-6	2500	1000.2	0	SW	4	bc	53	92	8	4	4	5	2-3	4-6	2500	1	2	57	51	*	0.2	Tr	*	
	Leuchars	36	999.9	-14	WSW	2	z	53	97	6	5	-	1	1	2500	999.1	-4	WSW	1	z	53	97	6	5	7	-	9	94	2200	1	*	63	51	45	Tr	1	0.0		
12	Renfrew (Abbots I.)	19	1001.7	-4	SW	1	PR	54	97	5	9	-	10	10	700	1000.5	+2	W'S	1	z	56	97	7	5	-	-	4-6	94	1000	1	*	59	51	46	3	3	0.3		
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1000.8	-2	SW	3	id	53	92	6	6	-	-	94	94	450	1	*	58	51	50	3	10	0.0		
	Point of Ayre	30	1002.8	-2	W'S	4	bc	57	92	8	4	-	2-3	2-3	3000	1003.8	+12	WNW	5	c	56	85	9	5	-	-	94	94	3500	1	4	69	55	*	0.2	-	3.5		
13A	Tiree	22	1000.2	-2	S	1	bc	55	92	7	5	-	2-3	2-3	2500	1000.1	0	WNW	3	c	56	92	8	5	-	-	7-8	7-8	2100	0	3	57	50	*	4	-	0.3		
13B	Stornoway	80	999.3	-10	W	0	z	55	97	7	5	7	-	7-8	10	2000	998.0	-4	WSW	3	RR	55	92	7	8	7	-	7-8	10	1500	1	2	62	53	*	-	7	5.3	
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	999.8	-4	SSW	2	id.	51	97	6	5	1	-	7-8	10	800	1	*	56	49	42	3	5	0.8		
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	998.3	0	bc	51	92	7	5	-	-	4-6	4-6	4500	1	1	59	47	38	5	1	0.2				
	Wick	119	999.3	-26	E	4	dd	53	97	4	2	-	10	10	220	996.2	-10	W'S	3	cif	54	97	8	5	7	-	4-6	9	900	1	*	59	52	*	*	*	*		
16	Sumburgh	30	1003.8	-22	SE	4	c	51	92	8	5	-	10	10	1000	999.0	-26	E'N	5	c	54	85	7	5	2	-	4-6	10	1600	*	*	58	51	*	*	*	*		
17	Blackod Point	18	1005.3	+12	W'S	6	bcg	55	85	7	2	-	4-6	4-6	1500	1007.1	+12	W																					



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

Wednesday 27th August 1941.

No. 29133

OBSERVATIONS at 13h. G.M.T. 26th August															OBSERVATIONS at 18h. G.M.T. 26th August															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																							
Direction.	STATIONS. (For heights see p. 4.)	Barom. M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.					Barom. M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.					Barom. M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.					State of Ground.	Sea.	WEATHER.																																																																																																																																																																																																																																																																																																																																																										
				Dir.	Force.					Form.	Amount.	Height of Base. (feet)	Dir.	Force.			Form.	Amount.					Height of Base. (feet)	Dir.	Force.	Form.	Amount.			Height of Base. (feet)	Dir.					Force.	Form.	Amount.	Height of Base. (feet)	Dir.			Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.	Amount.	Height of Base. (feet)	Dir.	Force.	Form.

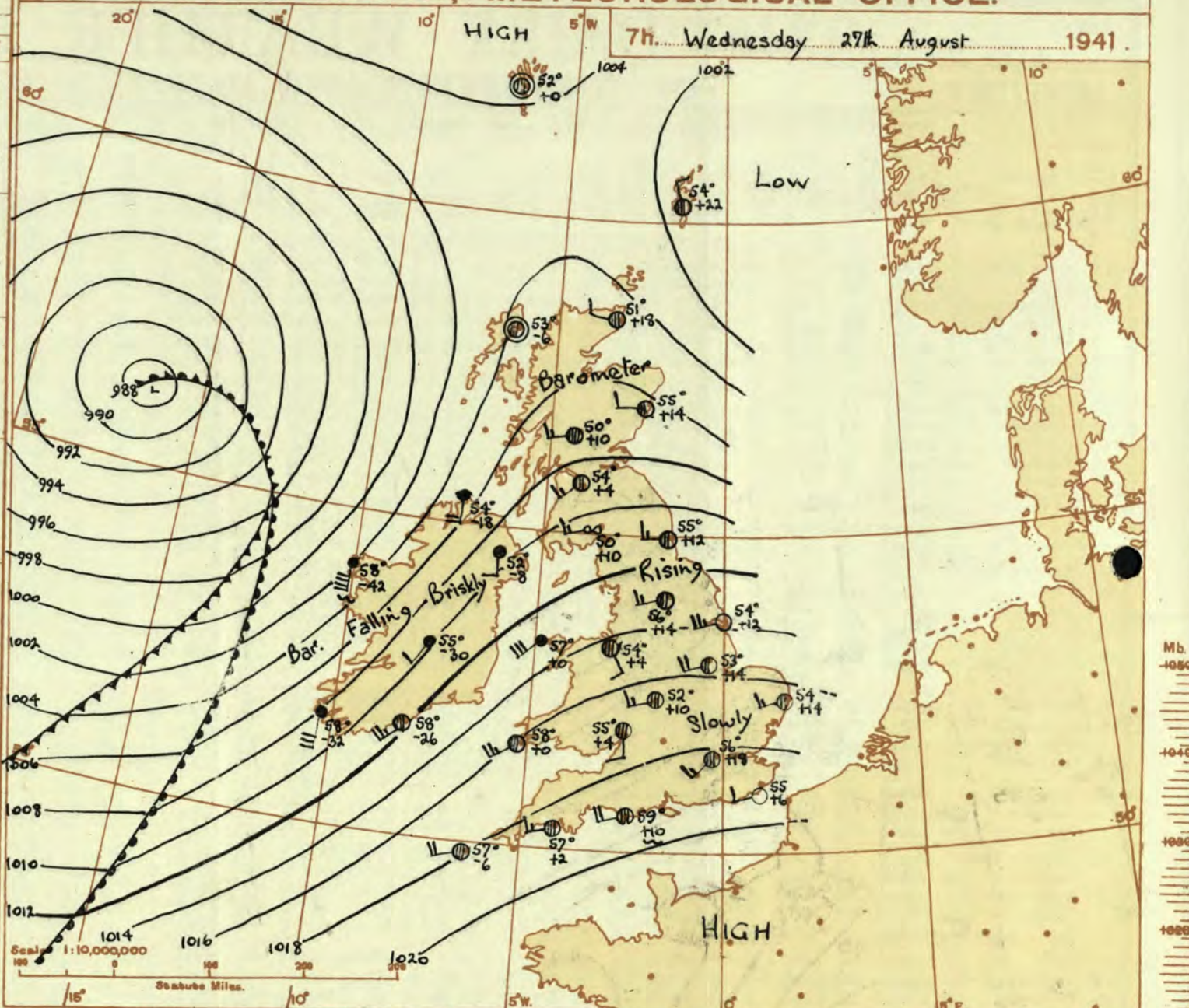


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 26th August.....18h. G.M.T.				01h. G.M.T. 27th August.....07h. G.M.T.					
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN
100	53	02735	21326	5-	02746	03226	57	02756	59427
115	52	09734	32267	52	02738	28368	52	02834	28367
203				6-	03838	28488	5-	02846	24286
206	8-	02858	22528	87	02865	24387	5-	02858	24328
210	86	25966	23487	87	81855	21587	5-	02866	25468
220				53	01944	24415		51	25843
230	8-	25747	58587	8-	02247	22427	8-	02747	5527
245	36	10864	22485	57	02973	22386	54	00861	22412
260	83	01854	22415	87	02755	55515	50	01853	55414
278	33	01863	25414	8-	02856	23386	5-	01864	24414
279	80	02845	55523	83	02854	22585	50	01864	55414
285	26	25745	24666	26	81746	24687		87	02756
288	26	02855	23486	86	25854	55424	50	00761	20301
576	8-	0854	57584	86	0853	24514	40	00751	24481
801	2-	01853	57514	35	25854	56584	40	00851	57581
321	86	05754	56485	84	10745	18315	50	05663	18303
299				17	00793	24503	50	05652	24202
298	23	02954	58585	40	01953	26413	50	00763	24103
310	--	03636	24516	--	01645	24415		--	01655
614	26	02754	24426	74	01864	55424	50	05555	20315
333	8-	02966	22416	26	01853	20514	04	01850	20411
334	--	02854	22436					57	02844
340	26	01953	55416	86	01863	22413	40	01864	20284
136	86	01754	24415	26	01862	24414	04	00750	20212
336	52	22862	28366	24	02763	28316		5-	01752
350	84	02865	24585	87	01854	20414		53	02731
368	26	01853	55524	23	02856	22586			
379	8-	02767	24327	20	00853	20483	50	01761	20311
390	26	02864	24425	26	01864	24414	00	00750	22400
382	86	02854	22425	24	00852	22502	00	00750	19200
438	50	01753	24513					53	02731
430				80	01953	22313	00	00850	24201
409	23	01953	22515	24	01854	23315	50	00751	23301

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 27th August.
1 S.E. England	Moderate W. wind backing S.W. and freshening. Fair at first, but rain soon
2 E. England ...	spreading eastwards across the whole area, followed later by bright intervals and
3 E. Midlands ...	showers. Rather cool.
4 W. Midlands ...	Fresh to strong S.W. or S winds, gale locally on coasts, veering and
5 S.W. England	moderating later. Rain at first, showers and bright intervals later. Rather cool.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	As 1-3.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Fresh to strong S. winds, veering and moderating later. Rain at first, showers
13 A. W. Scotland	and bright intervals later. Rather cool.
13 B. N.W. Scotland	Winds variable becoming S.E. or S. and freshening. Fair at first, rain later.
14 Mid Scotland	Rather cool
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Strong Southerly wind, gale locally, veering and moderating later. Rain at first,
18 N. E. Ireland	bright intervals and showers later. Rather cool.
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.  
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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  
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.

GENERAL INFERENCE.

A deepening depression off N.W. Ireland is moving E.N.E. Rain and strong Southerly winds with gales in places will spread eastwards across the country and will be followed later by bright intervals and showers with veering winds.

FURTHER OUTLOOK.  
Continuing Unsettled.

† Gale warning in operation in districts 6, 7, 8, 12, 13, 17, 18, 19, 20, and part of district 5. Times of issue 0750 and 0915 27.8.41.

Forecasts issued at 1030 G.M.T.  
H.M.S.O. Press, Meteorological Office Dunstable.

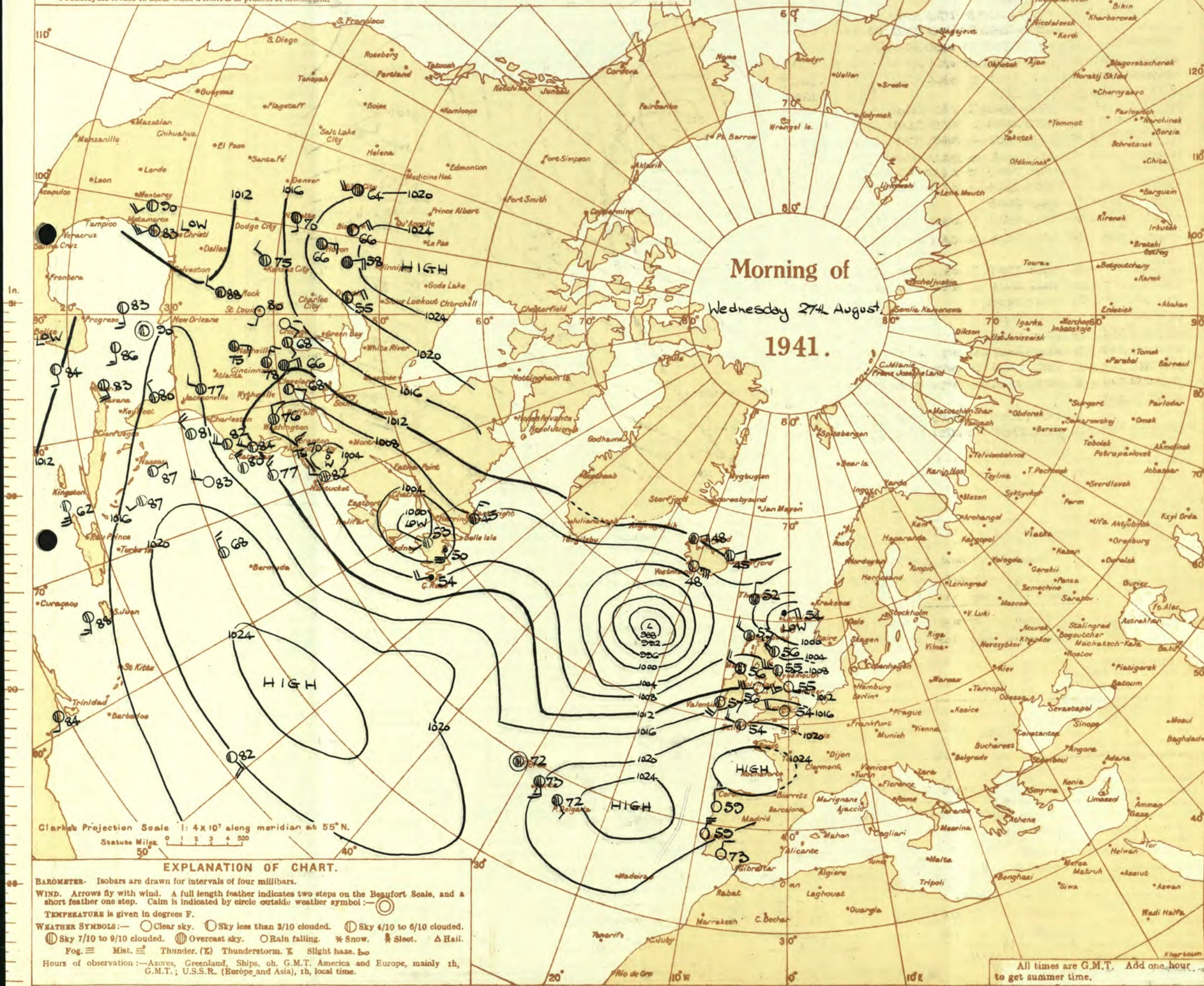
N. K. JOHNSON. D.Sc., A.R.C.S.  
Director.



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Wednesday 27th August 1941.  
 No. 29133

OBSERVATIONS at 1 hr. G.M.T. 27th August														OBSERVATIONS at 7 hr. G.M.T. 27th August														PAST 24 HOURS.											
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.				State of Ground. (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		SUN-SHINE (36)					
					Direc. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Form. (23)			Amount. (24)	Height of Base. (feet) (25)					Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)			Night 18h-7h mm. (35)										
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	1018.9	+16	SW	3	c	55	85	8	5	3	-	9	94	2500	1	*	66	53	46	-	-	9.0				
	Croydon ...	217	1016.9	+8	WS	4	b	54	85	8	-	-	-	1018.7	+18	SW	3	c	56	85	8	5	5	-	23	7.8	2000	1	*	69	49	48	-	-	10.0				
	S. Farnborough ...	226	1017.5	+6	SWW	4	b	53	85	2	-	3	-	1018.7	+12	WSW	3	c	55	85	8	5	3	-	Tr	9	1400	1	*	68	51	48	-	-	9.6				
	Boscombe Down ...	417	1017.9	+6	W	3	b	51	97	8	-	-	-	1018.9	+8	SWW	3	c	53	97	8	5	-	-	7.8	7.8	6000	0	*	66	48	45	-	-	9.1				
	Thorney Island ...	10	1018.4	+8	WN	3	b	57	85	8	-	-	-	1019.2	+10	W	3	c	58	85	8	1	3	-	Tr	94	1500	0	*	68	55	52	Tr	-	*				
	Lymington ...	346	1018.1	+6	W	2	z	51	92	6	-	-	-	1019.4	+6	WSW	2	b	55	85	8	2	3	2	Tr	1	4000	1	*	68	49	43	Tr	-	9.0				
	Manston ...	154	1017.2	+10	WSW	2	b	52	92	7	-	-	-	1018.8	+12	WSW	3	b	54	92	8	2	4	1	Tr	1	3000	1	*	69	50	48	-	-	9.8				
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	1018.5	+16	WSW	3	bc	56	85	8	2	5	-	Tr	2.3	2500	1	*	71	53	47	-	-	7.7				
	Felixstowe ...	15	1015.2	+10	WS	4	b	56	85	7	4	-	-	1017.1	+14	W	4	b	56	85	7	-	4	1	0	1	-	-	1	3	69	52	48	-	-	7.3			
	Gorleston ...	5	1014.4	+12	SWW	3	b	55	85	7	-	-	-	1016.3	+14	WSW	3	bc	54	85	7	-	4	1	0	4.6	-	-	0	2	67	52	48	Tr	-	*			
	Mildenhall ...	19	1014.5	+8	SWW	4	c	53	97	7	5	-	-	1016.8	+14	SW	3	bc	53	97	7	-	7	2	0	4.6	-	-	0	2	69	50	48	-	-	8.0			
	Cranwell ...	240	1013.2	+10	SW	3	b	52	85	2	-	-	-	1015.2	+14	WS	4	bc	53	85	7	-	3	-	0	4.6	-	-	1	*	64	50	48	-	-	7.4			
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	1016.3	+10	WS	3	c	52	85	8	-	7	6	0	7.8	-	1	*	64	49	45	-	-	6.8				
	Upper Heyford ...	408	1015.5	+4	WSW	3	b	51	97	7	-	-	5	0	Tr	-	1017.0	+10	SW	3	c	53	97	7	5	3	8	1	94	1	*	65	50	47	-	-	*		
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	1016.8	+4	S	2	c	53	85	7	5	7	7	Tr	94	1500	1	*	64	51	45	-	-	5.3				
5	Hartland Point ...	299	1017.3	+10	WNW	4	bc	57	85	8	2	-	-	4.6	4.6	1500	1016.8	+2	WSW	5	c	57	85	8	2	4	-	1	7.8	1500	0	61	56	54	0.4	0.1	9.8		
	Bristol ...	209	1017.3	+4	WSW	4	bc/pr	55	92	7	3	-	-	1.6	4.6	1500	1018.4	+2	SWW	5	c	55	85	8	2	7	-	2.3	94	2000	1	*	64	53	*	Tr	5	8.9	
	Portland Bill ...	32	1018.5	+10	W	4	b	58	92	8	-	-	-	0	0	-	1019.0	+10	WSW	4	c	59	85	8	2	4	-	4.6	7.8	4000	1	5	63	57	*	-	-	*	
	Plymouth ...	82	1019.8	+4	W	5	bc	56	85	8	5	-	6	2.3	2.3	2500	1019.4	+2	WS	3	c	57	92	7	1	3	8	2	4	9	1800	0	2	66	55	52	Tr	-	9.0
	The Lizard ...	240	1020.0	+4	W	4	bc	55	92	8	4	-	-	4.6	4.6	2500	1019.2	+2	W	4	c	57	85	8	8	6	-	7.8	7.8	2500	1	4	64	54	*	-	-	12.0	
	Scilly (St. Mary's) ...	163	1019.8	0	WS	3	bc	54	97	8	8	-	-	2.3	2.3	1500	1017.9	-6	WSW	4	c	57	92	8	8	7	-	4.6	7.8	1800	0	2	63	54	*	-	-	11.9	
	Guernsey ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
6	Pembroke ...	142	1016.5	+6	W	5	bc/pr	57	85	7	7	6	-	2.3	2.3	4000	1017.2	0	SW	5	c	58	85	7	8	7	-	4.6	9	2000	1	3	62	57	*	-	-	8.2	
7	Holyhead (Valley) ...	26	1013.5	+10	WSW	6	b	56	85	8	5	-	-	Tr	Tr	5000	1013.2	0	SW	6	ir	57	92	7	5	2	-	4.6	4.6	1500	0	4	63	55	51	Tr	-	*	
	Chester (Sealand) ...	16	1013.2	+6	WSW	3	bc	55	75	7	5	-	-	4.6	4.6	3000	1014.4	+4	SSW	2	c	54	85	6	2	7	-	1	9	2500	1	*	66	51	46	0.1	Tr	5.7	
8	Manchester ...	70	1012.6	+6	SWW	3	c/pr	52	92	6	8	-	-	4.6	7.8	2000	1014.6	+14	SW	2	z	52	85	6	4	9	6	Tr	9	3000	1	*	64	50	46	1	Tr	4.8	
10	Spurn Head ...	29	1011.6	0	SW	4	b	55	85	7	-	-	-	0	0	-	1013.1	+12	WSW	5	b	54	85	7	-	1	0	0	-	0	3	64	52	*	-	-	8.8		
	Catterick ...	175	1009.7	+6	W	5	b	54	75	7	5	-	-	Tr	Tr	4500	1012.2	+14	WS	3	c	56	75	9	5	4	5	4.6	7.8	2800	0	*	64	52	43	Tr	Tr	11.3	
	Tynemouth ...	108	1007.9	+8	W	5	bc	55	75	7	2	-	-	2.3	2.3	4000	1010.3	+12	W	3	bc	55	75	6	2	3	1	2.3	4.6	4000	1	2	64	53	47	-	-	*	
11	St. Abbs Head ...	280	1005.0	+14	W	6	bc	54	85	8	4	-	-	2.3	2.3	2500	1008.7	+26	W	5	bc	53	92	9	4	4	8	2.3	2.3	2500	0	3	63	50	*	-	-	*	
	Leuchars ...	36	1003.9	+12	W	7	b	55	85	7	-	4	-	0	0	-	1006.7	+14	W	5	c	54	75	8	2	7	6	1	7.8	2500	1	*	67	52	48	8	-	5.3	
12	Renfrew (Abbots L.) ...	19	1008.1	+18	WSW	3	bc	55	85	7	8	-	-	2.3	2.3	3000	1008.7	+4	SWW	3	c	54	85	7	8	7	6	4.6	94	2000	1	*	62	52	45	1	0.3	4.9	
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.4	+10	WSW	3	z	50	92	6	5	-	-	94	94	450	1	*	61	47	45	2	Tr	9.5	
	Point of Ayre ...	30	1011.1	+10	W	4	bc	55	85	8	5	-	-	4.6	4.6	4000	1011.1	0	NW	4	c	55	92	8	8	1	-	7.8	94	3000	0	4	66	51	*	Tr	-	6.1	
13A	Tiree ...	22	1005.8	+4	W	4	c/pr	55	92	7	8	-	-	9	9	1500	1005.8	+4	SWW	2	c	55	92	7	5	1	-	4.6	9	1800	0	3	61	54	*	2	2	7.3	
13B	Stornoway ...	80	1004.5	+12	W	3	c	53	97	7	5	7	-	4.6	7.8	2500	1004.2	-6	W	0	c	53	97	8	5	4	7	1	10	3500	1	0	58	51	*	3	1	0.0	
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1007.2	+10	WSW	3	0	50	85	7	5	3	-	7.8	10	1500	1	0	55	49	47	7	3	0.0	
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.7	+14	W	2	bc	55	75	8	5	-	3	1	2.3	3500	1	1	64	52	42	2	-	4.2	
	Wick ...	119	1001.8	+26	WNW	3	c	53	92	8	5	1	-	4.6	7.8	2000	1004.6	+18	WN	2	c	51	97	8	8	7	-	2.3	9	1500	1	*	61	48	*	*	*	*	
16	Sumburgh ...	30	997.7	+12	-	0	c	52	97	7	5	-	-	94	94	800	1001.3	+22	NNW	2	c	54	97	8	5	-	-	94	94	2500	*	*	55	50	*	*	*	*	
17	Blackad Point ...	18	1009.5	-16	WS	5	c	55	85	8	8	-	-	9	9	2500	1001.5	-42	S	8	ir	58	85	7	6	-	-	10	10	800	1	6	62	53	*	0.2	4	*	
18	Malin Head ...	84	1008.6	+6	W	4	c	56	65	7	9	-	-	7.8	7.8	1500	1005.7	-18	S	4	ir	54	95	7	9	-	-	7.8	7.8	800	0	3	60	51	*	Tr	0.3	7.2	
	Aldergrove																																						



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

# SECRET

Thursday 28th August 1941.  
No. 29134

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

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

PAST 24 HOURS.

OBSERVATIONS at 18h. G.M.T. 17th August.															OBSERVATIONS at 18h. G.M.T. 27th August.															PAST 24 HOURS.						
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 8 hours. (2)	Wind.		Weather. (5)	Temp. (6)	Humid. (7)	Visibility. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 8 hours. (16)	Wind.		Weather. (19)	Temp. (20)	Humid. (21)	Visibility. (22)	Cloud.					State of ground. (29)	Sea. (30)	WEATHER.						
				Direc. (3)	Force. (4)					Low. (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)			Height of base (feet). (14)	Direc. (17)					Force (18)	Low (23)	Med. (24)	High (25)	Low 0-10 (26)			Total 0-10 (27)	Height of base (feet). (28)	7h.—13h. (37)	13h.—18h. (38)	18h.—to 1h. 28h. (39)	1h.—7h. (40)	
																																				Form.
1	London (Kew)...	1018.2	-6	SSW	4	C	63	65	8	8	+	8	7-8	9	2500	1015.7	-20	SW	4	C	60	75	8	8	+	9+	9+	2500	1	*	C		c	cbcc	cr, cr, c	
	Croydon ...	1018.3	-6	SW	4	C	64	65	8	3	-	7-8	9	3000	1016.1	-22	SSW	4	C	60	75	8	2	+	4-6	7-8	2500	1	*	C		c		cr, cr, c		
	S. Farnborough	1018.6	-6	SWW	4	C	63	65	8	1	7	6	4-6	9+	2500	1016.1	-24	SW'S	5	C	61	75	8	1	8	2-3	7-8	2000	1	*	C		c	cbcc	cr, cr, c	
	Boscombe Down	1018.3	-8	SSW	6	C	61	65	8	5	7	-	4-6	10	2500	1015.6	-20	SW'S	6	C	59	75	8	8	4	7-8	7-8	3000	0	*	C		c	cbcc	cr, cr, c	
	Thorney Island	1019.6	-4	SW	4	C	64	75	8	2	4	-	9	9+	4000	1016.8	-26	SSW	5	C	62	75	8	1	4	8	Tr	9	2500	0	+	C	cepr, c	c	ccir, c	
	Lymington	1019.8	-4	SSW	4	C	64	75	8	2	6	5	4-6	7-8	3000	1018.5	-12	SW	4	C	58	85	8	5	7	8	Tr	9	1500	0	+	C	bc	c	cbcc	cr, cr, c
	Manston	1018.8	-2	SW	4	C	67	65	8	2	3	9	4-6	9	2000	1017.5	-10	W'SW	3	C	59	75	8	5	9	4-6	9+	5000	0	+	C	bcc	c	cbcc	c	
2	Shoeburyness ...	1018.6	-8	SSW	4	C	67	65	8	2	5	-	4-6	9	2500	1016.9	-14	SSW	4	C	61	75	8	5	7	9	2-3	9+	2500	1	*	C	bcc	c	cbcc	c
	Felixstowe	1017.7	-2	WSW	5	C	65	65	8	1	3	-	4-6	7-8	3000	1015.5	-14	SW'S	5	C	62	75	8	5	7	-	2-3	10	5700	1	3	C	bcc	c	c	cr, cr, c
	Gorleston	1017.2	+4	SW	3	C	65	65	7	2	3	-	4-6	7-8	2500	1015.3	-16	SW	4	C	64	65	7	5	7	-	4-6	9	2500	0	2	C	bcc	c	c	cr, cr, c
	Mildenhall	1016.7	-2	SW	5	C	66	75	8	7	7	-	4-6	7-8	3000	1013.9	-14	SSW	4	C	62	75	8	5	7	8	4-6	9	6000	0	*	C	bcc	c	c	cr, cr, c
	Cranwell	1015.2	-4	SWW	4	C	66	75	8	5	1	-	4-6	10	5000	1011.8	-16	SSW	5	C	61	75	8	5	7	9	2-3	9	3500	1	*	C	bcc	c	c	cr, cr, c
3	Birmingham	1015.1	-8	SW	3	C	59	65	8	5	2	-	7-8	10	2500	1011.1	-26	SSW	4	C	61	65	8	5	7	-	9	9+	2500	1	*	C		c	cbcc	cr, cr, c
	Upper Heyford	1016.5	-14	W	4	C	61	65	8	1	7	-	2-3	10	2000	1013.8	-18	SSW	5	C	61	65	8	7	7	6	2-3	7-8	1800	1	*	C	cbcc	c	cr, cr, c	
4	Ross-on-Wye ...	1015.6	-10	SW	5	C	61	75	8	6	1	-	7-8	10	2500	1012.4	-20	SSW	5	C	61	75	8	8	7	8	7-8	9+	2500	1	*	C	cbcc	c	cr, cr, c	
5	Hartland Point	1014.3	-16	WSW	5	C	62	75	8	8	8	-	4-6	9	2000	1009.9	-22	SSW	6	C	61	75	8	8	2	-	7-8	10	800	1	*	C	cbcc	c	cr, cr, c	
	Bristol ...	1017.0	-12	SW	4	C	63	65	8	7	7	-	9	10	2000	1014.0	-18	W'S	5	C	60	75	8	5	3	-	7-8	9+	4000	1	*	C	cbcc	c	cr, cr, c	
	Portland Bill	1019.1	-12	SW	5	C	59	92	8	5	-	-	10	10	4000	1015.7	-18	SW	4	C	59	92	8	5	-	-	7-8	9+	4000	1	*	C	cbcc	c	cr, cr, c	
	Plymouth	1018.4	-8	SW	5	C	61	85	8	5	3	-	1	9+	1500	1014.8	-22	SW	5	C	59	85	7	5	3	-	7-8	7-8	4000	0	5	C	cbcc	c	cr, cr, c	
	The Lizard	1017.4	-10	SW	6	C	62	85	8	8	6	-	7-8	7-8	1200	1013.5	-20	SW	6	C	59	85	8	8	6	-	7-8	7-8	1200	0	5	C	cbcc	c	cr, cr, c	
	Scilly (St. Mary's)	1015.0	-20	SW'S	5	C	62	92	7	8	7	2	2-3	9+	1500	1011.0	-28	SW'S	6	C	60	85	7	8	7	-	7-8	10	500	0	4	C	cbcc	c	cr, cr, c	
6	Pembroke	1012.2	-36	SSW	7	C	60	85	7	8	7	-	4-6	9	2500	1007.2	-20	SSW	9	C	58	97	6	8	2	-	7-8	10	1000	1	5	C	cbcc	c	cr, cr, c	
7	Holyhead (Valley)	1008.5	-34	SW	7	C	61	75	7	5	7	-	4-6	9+	1500	1005.3	-26	SSW	9	C	59	92	6	6	2	-	7-8	10	400	1	5	C	cbcc	c	cr, cr, c	
	Chester (Sealand)	1011.2	-22	SW'S	4	C	66	55	8	8	4	8	7-8	9	1500	1007.9	-16	SW	4	C	63	65	8	5	2	-	7-8	10	1000	0	1	C	cbcc	c	cr, cr, c	
8	Manchester	1012.9	-10	SW	4	C	61	75	7	5	7	-	7-8	10	3000	1008.8	-20	SW	5	C	63	65	7	5	7	-	4-6	10	3800	1	*	C	cbcc	c	cr, cr, c	
10	Spurn Head	1014.0	0	SWW	5	C	63	65	6	9	-	-	10	10	2500	1011.4	-16	SW	4	C	61	75	7	8	6	-	7-8	7-8	4000	0	3	C	cbcc	c	cr, cr, c	
	Catterick	1011.0	-10	SW	3	C	62	65	7	5	2	-	7-8	9+	1500	1007.8	-8	SW'S	3	C	60	75	7	5	2	-	4-6	10	1000	0	*	C	cbcc	c	cr, cr, c	
	Tynemouth	1010.9	-6	SW	2	C	63	75	6	8	-	-	9+	9+	2800	1006.1	-12	SSE	5	C	62	65	6	8	-	-	9+	9+	2500	1	2	C	cbcc	c	cr, cr, c	
11	St. Abbs Head	1007.3	-16	W	5	C	56	85	8	5	2	-	7-8	10	2500	1002.5	-20	SW	6	C	57	85	8	8	2	-	7-8	10	2000	1	3	C	cbcc	c	cr, cr, c	
	Leuchars	1006.4	-6	SW	4	C	59	75	8	5	2	-	7-8	10	2800	1001.3	-36	SSE	3	C	58	92	6	5	-	-	10	10	1500	1	3	C	cbcc	c	cr, cr, c	
12	Rearfoot (Abbots L.)	1005.4	-22	S	4	C	57	85	6	6	7	-	9	10	900	1000.0	-34	SW	5	C	59	85	6	6	-	-	9+	9+	900	1	*	C	cbcc	c	cr, cr, c	
	Eskdalemuir	1007.1	-20	SSW	6	C	55	92	6	6	2	-	9	10	800	1003.0	-30	SW	6	C	55	97	6	6	2	-	9	10	450	1	*	C	cbcc	c	cr, cr, c	
	Point of Ayre	1007.3	-32	SW'S	6	C	60	85	7	6	2	-	7-8	10	1000	1002.2	-14	SW	7	C	59	97	7	6	2	-	9	10	1000	1	5	C	cbcc	c	cr, cr, c	
13a	Tiree ...	998.8	-40	SE	5	C	55	97	6	-	2	-	10	10	800	996.3	-10	SSW	2	C	58	85	8	8	3	-	2-3	2-3	2500	1	4	C	cbcc	c	cr, cr, c	
13b	Stornoway	1002.0	-10	SE	6	C	54	92	7	5	7	-	4-6	10	2000	997.6	-12	E	5	C	54	92	8	5	7	-	7-8	10	2000	1	3	C	cbcc	c	cr, cr, c	
15	Dalwhinnie	1004.9	-6	SSW	3	C	51	85	6	9	2	-	7-8	10	1500	999.2	-40	S	3	C	53	92	7	9	2	-	9	10	1500	1	3	C	cbcc	c	cr, cr, c	
	Aberdeen	1005.4	0	SW	4	C	64	55	8	8	7	6	1	4-6	3100	1002.5	-22	SSE	3	C	59	92	6	6	2	-	4-6	10	900	1	2	C	cbcc	c	cr, cr, c	
	Wick ...	1003.8	-2	SSW	3	C	59	85	9	8	7	-	4-6	9+	5700	1001.3	-14	SE'S	2	C	54	97	7	5	2	-	7-8	10	2500	1	*	C	cbcc	c	cr, cr, c	
16	Sumburgh	1002.5	+6	N'S	3	C	57	92	8	2	7	2	1	4-6	900	1001.8	-10	S	1	C	54	97	8	5	7	-	7-8	9+	3500	*	*	C	cbcc	c	cr, cr, c	
17	Blacksod Point...	997.9	+2	S	6	C	62	85	7	2	6	-	2-3	4-6	800	995.2	-18	SW	6	C	60	97	7	9	-	-	9	9	800	1	5	C	cbcc	c	cr, cr, c	
18	Malin Head	993.3	-38	S	5	C	60	85	8	9	-	-	9	9	500	995.6	-20	SW	3	C	62	75	7	9	-	-	7-8	7-8	2500	0	3	C	cbcc	c	cr, cr, c	
	Aldergrove	1002.4	-40	S	4	C	57	92	6	6	2	-	4-6	10	800	998.8	-22	SW	3	C	62	75	8	8	-	-	7-8	7-8	2500	0	3	C	cbcc	c	cr, cr, c	
19	Birr Castle	1002.2	-42	SSW	5	C	60	85	7	6	2	-	4-6	10	1500	1000.0	-10	WSW	2	C	61	85	8	9	1	-	4-6	9	1500	1	5	C	cbcc	c	cr, cr, c	
20	Valentia Obay. †	1002.8	-2	SW'S	6	C	65	85	8	2	-	-	7-8	7-8	500	1000.4	-18	SW'S	6	C	60	85	7	8	-	-	9	9	1500	1	5	C	cbcc	c	cr, cr, c	
	Roches Point ...	1005.8	-26	S	6	C	59	97	6	6	2	-	7-8	10	800	1002.3	-14	SE'S	5	C	60	85	8	5	-	-	4-6	4-6	1500	1	6	C	cbcc	c	cr, cr, c	

### EXPLANATION OF FIGURES, LETTERS AND SYMBOLS

COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION  
AND SYMBOLS FOR WEATHER.

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.  
fa, 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, slight storm of drifting snow (generally low).  
k/S, heavy storm of drifting snow (generally low).  
s<sub>o</sub>/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<sub>o</sub>, 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 exist-  
ing weather from preceding con-  
ditions thus: —bc/r, fair weather  
after rain; —, has decreased;  
+, has increased.

FIGURE 9. FORM OF LOW CLOUD.

- 0 No low clouds.
- 1 Fair weather Cu.
- 2 Large Cu without anvil.
- 3 Cb.
- 4 So 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.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14. Columns 13, 27. 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: similarly for other grouped entries.

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

"9+" signifies an overcast sky with a few small openings.

‡ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.  
1 Typical As (thin).  
2 Typical As (thick) (sun or moon invisible), or  
Nimbostratus (Ns).  
3 Single layer of Ac or high Sc.  
4 Ac in isolated patches. Individually de-  
creasing (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:	Cirrocumulus, -Ce:	Cirrostratus, -Cs:	Alto cumulus, -Ac:	Altostratus, -As:
Stratocumulus, -Sc:	Stratus, -St:	Nimbostratus, -Ns:	Cumulus, -Cu:	Cumulonimbus, -Cb:

COLUMN 29 — STATE OF GROUND.

COLUMBIA RIVER — STATE OF OREGON.	
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., but ground frozen.
2 .. " flooded.	9 .. " covered with snow greater than 6 ins. deep.
3 .. " frozen hard and dry.	- .. Fresh snow has fallen in the mountains.
4 .. " partly covered with snow or hail.	
5 .. " covered with ice or glazed frost.	
6 .. " covered with thawing snow.	

NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.



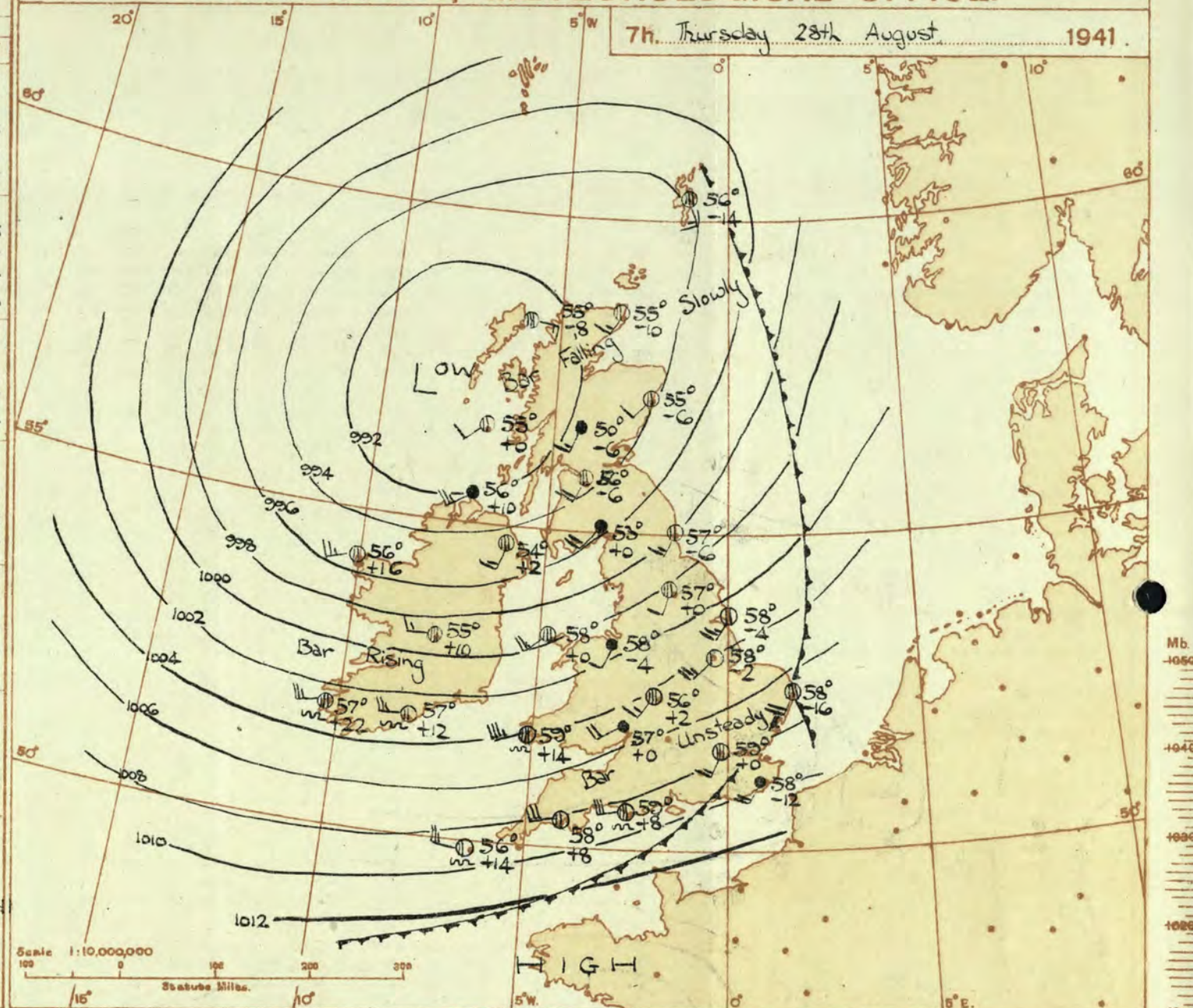
Abridged observations of additional stations in the

# AVIATION WEATHER CODE

13h. G.M.T. 27th August 18h. G.M.T.						01h. G.M.T. 28th August 07h. G.M.T.						
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN
109	87	02877	22227	5-	63738	142.8	5-	03638	13168	83	01773	16224
115	52	02834	20327	52	64734	10367	54	01844	12365	52	81944	12187
203				8-	81847	16467	8-	81945	10425	5-	81938	12428
206	87	02864	22427	52	22855	09367	5-	01854	24124	8-	02855	08185
210	27	02864	24327	57	22865	09267	50	01864	00014	5-	02865	16225
220									*	8-	81836	21366
230	52	64744	16368	8-	81647	18287	80	25846	19286	62	62637	18388
245	27	61744	20527	52	51745	16468	5-	22755	15365	84	01753	18384
260	52	61855	18468	52	62756	17468	50	01764	16114	8-	10755	20315
278	62	61626	43469				50	35873	51483	57	02843	51426
279	62	62734	52668	62	63625	51668	5-	02747	53667	83	02747	52627
285	27	25745	24587	6-	64638	18568						
288	57	02754	53487	52	22745	50428	5-	63646	19666	80	01754	18284
575	62	63636	14468	63	81845	20366	67	01744	20484	87	81746	24487
801	57	22853	52667	52	02746	53768	2-	05646	51566	23	05644	53684
321	57	02753	18467	51	02754	16527	52	62644	19566	84	05653	52414
299	5-	05657	22427	57	05654	22415	5-	62648	54668			
292	57	61644	16328	52	05654	13428	5-	22644	13464	86	26655	49285
310	--	02648	24428	--	02646	24626				--	03628	26628
614	51	22654	53468	57	02745	53527	62	64525	53568	53	05655	20465
333	83	02841	17726	62	64636	18768	5-	81648	18668	14	01744	20584
334	--	02854	20316	--	63648	20668				--	03745	24416
340	57	25865	20486				50	22744	51464	26	02845	18386
136	87	02855	20516	19	02853	18567	02	63790	18768	53	02925	18666
336	52	61652	12567	52	02753	16528				24	01862	24513
350	72	61853	20467	77	02754	16526				5-	02747	18467
368	87	02965	19528	87	02856	53627						
379	27	02744	18468	53	01854	51615	6-	64648	18768	37	81856	16786
390	13	02764	20427	77	02754	53427	52	05654	51528	53	21733	52565
382	17	02855	20427	73	01954	50514	62	63647	50668	54	01834	19584
438	8-	02745	24515									
430				58	02841	20425	57	02864	89616			
409	57	02845	51627	57	02845	17727				50	25743	22485

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

## AIR MINISTRY, METEOROLOGICAL OFFICE.



Mb.  
 1050  
 1040  
 1030  
 1020  
 1010  
 1000  
 990  
 980  
 970  
 960  
 950  
 940  
 930  
 920  
 910  
 900

### DISTRICTS.

### FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 28th August 1941.

1 S.E. England	Moderate to fresh westerly winds; considerable bright periods; chance of a few local showers; rather cool.
2 E. England ...	Fresh southwesterly winds, veering west, moderating slowly; bright periods; some showers with possible local thunder; cool.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Fresh W. to N.W. winds, moderating; considerable fine periods; a few local showers; rather cool.
6 South Wales ...	Fresh rather squally S.W. to W. winds; showery; some local thunder; brighter periods; cool.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Winds S. to S.W. light, freshening; occasional rain or showers; some brighter intervals; cool.
12 S.W. Scotland & Isle of Man.	
13 A. W. Scotland	
13 B. N.W. Scotland	
14 Mid Scotland	As G-14.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.  
 BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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  
 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.

Pressure is high to south and southeast of the British Isles. A deep depression centred over the Hebrides will move slowly northeast and become less deep. Cool, showery weather with a little local thunder will prevail in most areas.

### FURTHER OUTLOOK.

Mainly fair in the south; cool and showery elsewhere.

Forecasts issued at 10.30h. G.M.T.  
 H.M.S.O. Press, Meteorological Office, Dunstable.

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

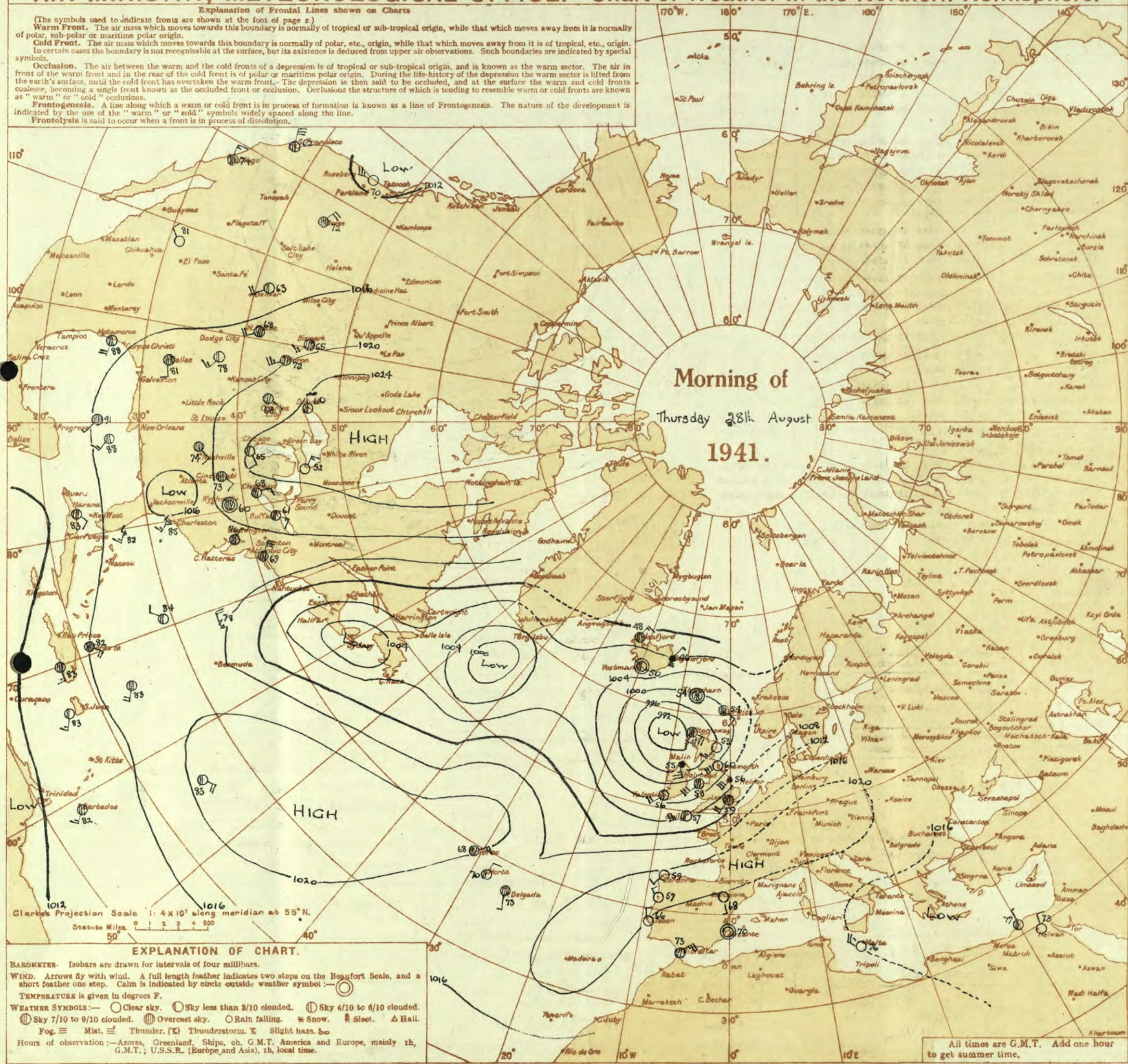
G.269/4120. No. 8176. D. 6034. Sp. 548. 3300. 8/41.



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.  
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION  
 Thursday 28th August 1941.  
 No. 29134

OBSERVATIONS at 1 hr. G.M.T.															OBSERVATIONS at 7 hr. G.M.T.															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity.	Cloud.					Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visiblity.	Cloud.					Sea.	TEMPERATURE.					SUN-SHINE 2 1/2 Hrs.				
					Dir.	Force.					Low.	Med.	High.	Low 0-10	Total 0-10			Height of Base (feet)	Dir.					Force.	Low.	Med.	High.	Low 0-10		Total 0-10	Height of Base (feet)	State of Ground.	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.		Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.	
1	London (Kew)	18	1014.1	-30	SSW	4	C	59	85	7	9	2	*	1	10	1600	1007.3	-2	SSW	3	C	59	85	7	8	2	*	1	10	1000	1	64	58	52	-	2	4.3		
	Croydon	217	1010.8	-34	SSW	5	C	59	75	8	5	-	-	9	9	2500	1008.1	0	SSW	3	C	59	92	8	6	3	-	9	9	1000	1	67	55	52	-	2	6.1		
	S. Farnborough	226	1009.7	-40	SSW	6	C	59	75	8	5	-	-	9	9	2500	1007.8	+2	SSW	4	d.d.	59	85	7	5	2	-	9	10	1000	1	65	56	48	-	2	4.4		
	Boscombe Down	417	1011.8	-30	SW	6	ir.	61	85	8	5	7	-	4	6	1800	1008.1	-2	SW	5	bc	57	92	8	8	-	1	1	2	2000	1	63	52	52	-	4	2.1		
	Thorney Island	10	1014.4	-20	SSE	4	C	58	85	8	5	-	-	9	9	4000	1010.8	-12	SSW	4	DD	58	97	5	6	-	-	10	10	100	1	65	57	51	-	1	8.3		
	Lymington	346	1012.7	-28	SWS	4	C	60	85	7	-	7	-	0	10	-	1008.8	-8	SW	4	d.d.	58	97	6	5	-	-	10	10	500	1	67	57	48	-	Tr	7.2		
2	Shoeburyness	11	1012.2	-22	SSW	5	C	61	85	7	-	7	-	0	10	-	1008.5	-4	SSW	5	C	61	85	7	5	-	-	9	9	800	1	65	58	49	-	0.2	5.2		
	Felixstowe	15	1011.0	-30	SW	5	C	60	75	7	5	-	-	10	10	2500	1007.3	-18	SW	5	C	60	92	7	5	3	-	9	9	1600	1	67	58	54	-	1	5.6		
	Gorleston	5	1003.1	-30	SW	4	ir.	59	85	7	5	-	-	10	10	4000	1006.7	-16	SSW	4	C	58	85	7	5	-	-	9	9	800	1	67	57	53	-	1	*		
	Mildenhall	19	1006.7	-26	SSW	5	ir.	59	85	7	5	2	-	10	10	1000	1005.0	-10	SSW	5	C	59	92	8	8	7	-	7	8	9	3500	1	66	56	55	-	3	6.0	
	Cranwell	240	1006.7	-26	SSW	5	ir.	59	85	7	5	2	-	10	10	1000	1003.0	-2	SSW	5	C	58	85	8	5	4	-	7	8	1500	1	65	55	53	-	3	3.5		
3	Birmingham	535	1007.9	-36	SW	6	ir.	56	92	6	6	2	-	7	8	1300	1005.5	-4	SW	4	C	58	85	8	5	-	-	9	9	1200	1	63	55	-	-	-	1.3		
4	Upper Heyford	408	1007.9	-36	SW	6	ir.	56	92	6	6	2	-	7	8	1300	1004.3	0	SW	4	ir.	57	85	6	9	-	8	9	9	2500	1	65	56	53	-	-	1.7		
5	Ross-on-Wye	223	1003.5	-8	WSW	6	bc	59	97	8	5	-	6	4	6	1500	1006.3	+18	WSW	6	bc	59	85	8	8	-	-	4	6	1000	1	63	57	57	-	8	12.2		
6	Hartland Point	299	1007.9	-32	SSW	7	rr	58	92	6	6	2	-	7	8	1500	1007.1	+6	WSW	5	bc	56	92	8	3	-	-	4	6	1800	1	64	56	53	-	6	1.7		
7	Bristol	209	1010.4	-24	SW	6	O	59	92	7	5	-	-	10	10	2500	1009.1	+8	WSW	6	C	59	92	7	5	-	-	10	10	2500	1	61	56	-	-	3	*		
8	Portland Bill	32	1009.6	-26	SSW	7	rr	56	97	5	6	2	-	9	9	600	1005.5	+8	WSW	6	bc	58	92	7	8	-	2	4	6	1500	1	63	56	55	-	11	3.4		
9	Plymouth	82	1009.2	-8	WSW	6	bc	57	97	7	8	-	-	4	6	1500	1010.0	+4	W	5	bc	57	92	7	8	6	2	2	3	4	1500	1	63	55	-	-	8	6.3	
10	The Lizard	240	1008.0	+2	W	5	bc	57	97	7	8	4	-	2	3	4	1500	1005.5	+14	W	5	bc	57	92	7	8	6	2	2	3	4	1500	1	64	55	-	-	8	4.2
11	Scilly (St. Mary's)	163	1008.0	+2	W	5	bc	57	97	7	8	4	-	2	3	4	1500	1005.5	+14	W	5	bc	57	92	7	8	6	2	2	3	4	1500	1	64	55	-	-	8	4.2
12	Guernsey	175	1004.0	-6	SW	7	id	59	92	7	8	-	-	9	9	1500	1004.8	+14	SW	7	cq	59	85	7	8	-	-	7	8	1500	1	61	57	-	-	13	1.0		
13	Pembroke	142	1000.5	-14	SW	6	C	58	92	7	5	-	-	9	9	1000	993.5	0	SW	5	C	58	85	7	5	3	-	7	8	1500	1	63	56	58	4	3	*		
14	Holyhead (Valley)	26	1001.7	-6	SSW	3	Z.	59	75	6	5	-	-	7	8	800	1001.4	-4	SSW	2	pr	58	75	7	5	-	-	7	8	1500	1	67	55	46	-	3	0.7		
15	Chester (Sealand)	16	1003.1	-20	S	4	bc	57	92	7	8	-	-	2	3	2500	1001.1	-2	SSW	4	bc	56	92	7	8	-	-	4	6	400	1	66	55	52	0.1	4	0.7		
16	Manchester	70	1005.6	-16	SSW	6	rr	56	75	6	2	-	-	10	10	1500	1002.0	-4	SSW	5	bcq	58	92	7	8	1	-	4	6	2500	1	65	55	-	-	2	5.8		
17	Spurn Head	29	1001.6	-22	SSW	3	PR	57	92	7	2	-	-	9	9	1500	993.5	0	SW	2	bc	57	85	6	2	3	1	4	6	2500	1	65	56	54	-	3	3.3		
18	Catterick	175	1000.5	-20	WSW	6	bcq	60	75	7	2	-	-	4	6	2500	993.4	-6	SSW	3	bc	57	85	6	2	3	1	4	6	1700	1	65	56	52	0.3	0.5	*		
19	Tynemouth	108	997.2	-24	SW	4	bc	56	85	7	4	4	-	4	6	2500	995.4	-10	SW	4	bc	55	92	8	4	4	9	4	6	2500	1	60	52	-	-	14	*		
20	St. Abbs Head	280	996.5	-18	-	0	bc	55	97	6	5	-	-	4	6	1800	994.1	-4	SW	3	C	56	85	8	8	7	4	7	8	2500	1	61	53	48	0.5	3	3.0		
21	Leuchars	36	996.4	-18	S.E.	3	pr	58	85	6	8	-	-	9	9	1400	994.3	-6	SSW	4	C	56	85	7	8	7	-	7	8	2500	1	59	55	49	5	0.3	0.0		
22	Renfrew (Abbots L.)	19	995.8	-12	SW	4	pr	57	92	7	3	-	-	7	8	2000	995.8	0	SW	4	ir.	56	85	6	6	-	-	10	10	800	1	59	52	52	14	25	0.0		
23	Eskdalemuir	794	998.3	-12	SW	4	pr	57	92	7	3	-	-	7	8	2000	996.9	-2	SW	3	bc	57	85	8	2	-	5	4	6	2000	1	61	55	-	-	4	0.0		
24	Point of Ayre	30	992.0	-20	S	2	ir.	54	97	7	-	2	-	9	9	800	990.3	0	SW	2	bc	55	92	8	8	-	-	4	6	1500	1	61	54	-	-	8	1.6		
25	Tiree	22	994.0	-16	ESE	4	pr	54	92	7	3	7	-	7	8	2000	991.4	-8	ESE	3	pr	55	92	8	8	7	-	7	8	2000	3	56	53	-	-	6	0.0		
26	Stornoway	80	993.2	-6	SSW	3	pr	56	97	7	3	-	-	10	10	1500	993.2	-6	SSW	3	pr	56	97	7	3	-	-	10	10	1500	1	56	49	45	3	4	1.7		
27	Dalwhinnie	1176	995.0	-22	SSW	2	bc	54	97	7	3	-	-	4	6	4000	993.6	-6	SW	2	pr	55	91	8	8	-	3	2	3	2500	1	65	54	50	1	0.2	4.1		
28	Aberdeen	79	995.0	-22	SSW	2	bc	54	97	7	3	-	-	4	6	4000	993.6	-6	SW	2	pr	55	91	8	8	-	3	2	3	2500	1	65	54	50	1	0.2	4.1		
29	Wick	118	998.0	-22	SSE	3	dr	55	92	6	5	-	-	10	10	900	991.9	-10	SSW	3	bc	55	92	7	3	-	-	10	10	900	1	63	53	51	-	-	*		
30	Sumburgh	30	993.5	-2	SW	7	bcq	56	92	7	3	-	-	4	6	800	993.5	+16	WSW	5	bc	56	97	7	2	6	-	4	6	1500	1	62	54	-	-	2	*		
31	Blackod Point	18	992.5	-10	S	5	p	55	92	6	6	-	-	9	9	800	992.1	+10	SW	5	C	56	92	8	9	-	-	9	9	1500	1	64	53	-	-	2	3.1		
32	Malin Head	84	996.1	-4	SW	4	C	55	85	7	5	-	-	9	9	2200	994.8	+2																					



AIR  
MINISTRY

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION  
Friday 25th August 1941.  
No 29135

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

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

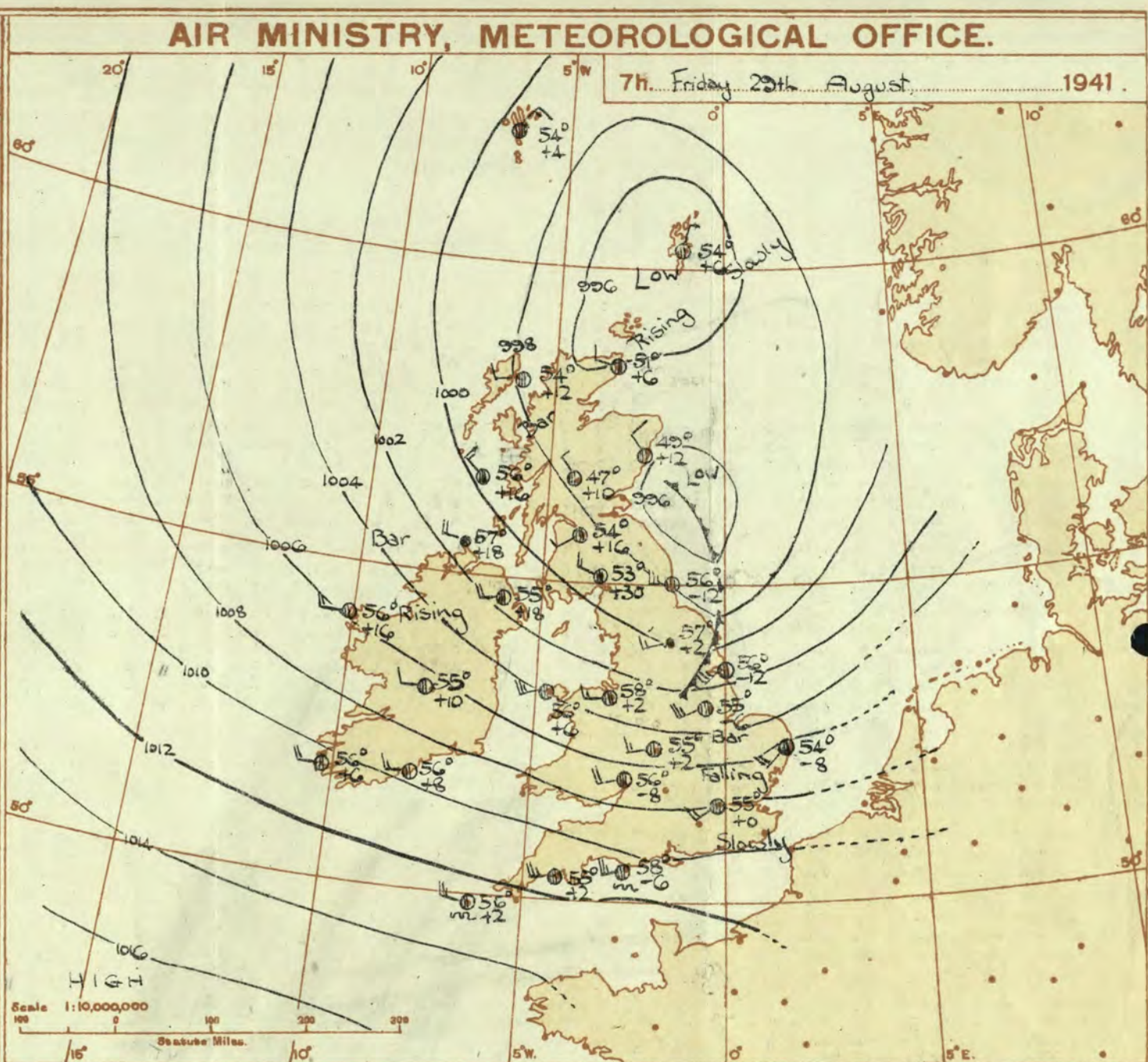
PAST 24 HOURS.

Duration	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.												
				Dirac. 0-12 (3)	Force. (4)					Form.	Amount. Low 0-10 (12)	Height of Base. (feet) (14)	Dirac. 0-12 (17)			Force. (18)	Form.					Amount Low 0-10 (24)	Height of Base (feet) (28)	7h.—13h. 25th (37)	13h.—18h. 25th (38)			18h. 25th to 1h. 26th (39)	1h.—7h. 26th (40)											
																														Low.	Med.	High	Low	Total 0-10 (13)	Low	Med.	High	Low	Total 0-10 (25)	Total 0-10 (26)
1	London (Kew)...	1008.2	+2	SW	4	g/pr	63	56	8	8	-	4-6	3	1500	1008.2	+6	SW	3	c	62	85	8	2	-	4	2-3	7-8	2500	1	*	arg pr	cpr pr	bcw	bw bcc						
	Croydon ...	1008.9	-2	W	4	pr	64	52	8	9	-	4-6	3	1500	1008.4	+2	WSW	3	bc	60	85	8	2	4	0	1	4-6	2500	1	*	arg bc	pr pr	bcw	bbcc						
	S. Farnborough	1008.6	-2	WSW	4	0	67	65	8	8	8	4-6	7-8	2000	1008.7	+2	WSW	4	c	62	75	8	2	-	4	2-3	7-8	2000	1	*	pr	c pr	cbcb	bccc						
	Boscombe Down	1008.3	+4	SW	5	0	63	65	8	8	-	7-8	3	3000	1010.1	+6	WS	5	bc	60	65	8	2	-	1	2-3	4-6	3000	1	*	bcpr	cpr bc	cbcmob	bc						
	Thorney Island	1010.4	+8	SW	5	0	63	75	7	2	-	2-3	7-8	2500	1010.6	+2	SW	4	c	62	85	8	2	-	8	2-3	7-8	2500	0	*	cpr	c	cbcmob	bbcc						
	Lympne ...	1011.4	+8	WSW	4	0	63	75	8	2	-	7-8	3	1200	1011.6	+2	WSW	4	c	60	85	8	5	1	8	4-6	3	800	1	*	add pr	c pr	cbcmob	bbcc						
	Manston ...	1009.6	+10	WSW	5	0	62	75	8	2	-	7-8	3	2000	1009.7	+6	WSW	4	pr	60	85	7	8	6	7-8	3	4000	1	*	bcpr	cpr bc	cbcmob	bbcc							
2	Shoeburyness ...	1008.8	-2	SW	5	0	63	55	8	2	-	4-6	7-8	1000	1008.7	+6	SW	4	g/pr	60	85	8	5	4	4	2-3	3	4000	1	*	bc	cpr bc	cbcmob	bbcc						
	Felixstowe ...	1007.2	+2	WSW	3	0	68	55	8	2	3	1	7-8	3000	1007.3	+4	SW	4	c	63	75	7	2	7	2	1	3	3500	1	4	bc	cpr bc	cbcmob	bcc						
	Gorleston ...	1006.2	-4	WSW	4	g/pr	68	55	7	8	3	4-6	7-8	1500	1006.5	0	SW	4	bc	67	75	7	1	-	1	2-3	4-6	3000	0	3	bc	cpr bc	cbcmob	bcc						
	Mildenhall ...	1005.6	+2	WSW	5	0	66	75	8	8	3	1	7-8	2500	1005.3	+10	SW	5	bc	63	75	3	1	-	1	2-3	4-6	2500	0	*	pr	c	cbcmob	bcc						
	Cranwell ...	1003.4	-2	SW	5	0	65	55	8	8	-	7-8	7-8	2500	1004.0	+6	WSW	5	bc	61	65	8	2	6	1	2-3	2-3	2000	0	*	bc	bey bc	cbcmob	c, b, c						
3	Birmingham	1004.7	+4	WSW	5	0	63	55	8	8	-	7-8	7-8	1000	1005.5	+6	WSW	3	bc	61	55	8	5	-	-	4-6	4-6	4000	1	*	cpr bc	pr bc	bc	bey bc						
4	Upper Heyford	1006.4	+2	WSW	5	0	64	55	8	2	4	7-8	2200	1007.4	+2	WSW	5	bc	59	65	8	7	-	-	2-3	2-3	2000	1	*	bc	bey bc	bc	bey bc							
	Ross-on-Wye ...	1006.5	+6	W	5	0	63	55	8	8	7-8	7-8	2500	1007.3	+8	WSW	5	pr	58	65	8	3	-	-	3	3	2500	1	*	bc	bey bc	bc	bey bc							
5	Hartland Point	1008.3	+6	W	5	0	59	85	8	5	-	2-3	7-8	1500	1009.3	+2	W	6	g/pr	59	75	7	8	4	-	4-6	9	1500	0	5	bc	bc	bc	cpr						
	Bristol ...	1009.9	+8	WSW	5	0	63	65	8	8	7	2-3	7-8	2000	1010.1	+10	W	5	bc	59	65	8	2	-	1	4-6	4-6	2000	1	*	bc	bc	bc	cpr						
	Portland Bill ...	1010.8	+4	SW	5	0	60	85	8	4	4	4-6	7-8	4000	1011.2	+4	WSW	5	c	60	85	8	2	-	1	4-6	7-8	2500	1	5	bc	bc	bc	cpr						
	Plymouth ...	1011.7	+8	SW	5	0	62	75	7	2	3	8	4-6	9	+6	W	5	bc	60	75	8	2	-	4	2-3	4-6	2500	0	5	bc	bc	bc	cpr							
	The Lizard ...	1012.3	+14	W	5	0	59	85	7	8	6	7-8	7-8	2500	1012.9	-2	W	5	bc	59	85	7	8	6	-	4-6	4-6	4000	0	4	c	bc	bc	bcc						
	St. Mary's ...	1012.1	+10	W	4	0	61	85	7	8	7	4-6	9	1200	1012.5	+2	W	4	c	58	85	7	8	6	4	4-6	7-8	1500	1	5	bc	bc	bc	bcc						
	Guernsey ...	1007.1	+10	WSW	7	bc	60	75	7	2	6	2-3	2-3	3000	1007.4	0	WSW	7	bc	58	85	7	2	-	-	4-6	4-6	2500	1	4	bc	bc	bc	bc						
6	Pembroke ...	1007.1	+10	WSW	7	bc	60	75	7	2	6	2-3	2-3	3000	1007.4	0	WSW	7	bc	58	85	7	2	-	-	4-6	4-6	2500	1	4	bc	bc	bc	bc						
7	Holyhead (Valley)	1002.4	+20	SW	5	g/pr	60	55	7	8	3	7-8	3	2500	1002.0	-6	SW	5	pr	58	85	7	3	3	3	7-8	9	1500	1	4	bc	bc	bc	bc						
	Chester (Sealand)	1002.4	+8	SW	5	0	63	55	8	9	6	7-8	3	1000	1003.3	0	SW	4	pr	60	65	7	3	3	3	4-6	7-8	2000	1	*	pr	bc	bc	bc						
8	Manchester ...	1002.6	+6	SW	5	g/pr	64	65	7	2	6	4-6	7-8	2200	1002.9	0	SW	5	bc	60	75	7	8	-	-	2-3	4-6	2500	1	*	pr	bc	bc	bc						
10	Spurn Head ...	1001.9	-6	SW	4	g/pr	60	55	7	2	6	4-6	7-8	2500	1003.4	+22	W	4	bc	60	75	7	8	-	-	4-6	4-6	4000	1	4	bc	bc	bc	bc						
	Catterick ...	999.8	+6	SW	4	g/pr	60	75	8	8	-	3	3	1500	1007.5	+8	WSW	2	g/pr	57	85	8	8	6	-	7-8	3	1500	1	*	bc	bc	bc	bc						
	Tynemouth ...	998.2	0	SW	4	bc/pr	60	75	7	2	3	4-6	4-6	2500	999.2	-6	WSW	5	bc/pr	61	65	7	2	3	-	4-6	4-6	3200	1	2	bc	bc	bc	bc						
11	St. Abbs Head	995.2	0	SW	3	pr	60	75	8	8	4	4-6	9	2000	996.4	+4	SW	3	c	59	75	9	4	4	3	2-3	7-8	2500	1	2	cpr	c	bc	bc						
	Leuchars ...	994.0	+2	SW	5	g/pr	61	75	8	7	-	4-6	7-8	3200	995.1	+6	WSW	4	bc	62	85	8	3	4	3	1-2	4-6	2500	1	*	cpr	bc	bc	bc						
12	Renfrew (Abbots L.)	995.8	+10	WSW	4	0	63	55	8	2	1	7-8	7-8	2500	996.6	-2	SW	2	c/pr	58	85	8	8	4	6	4-6	7-8	2500	1	*	cpr	bc	bc	bc						
	Eskdalemuir ...	996.1	+6	SW	4	bc/pr	67	85	8	8	-	4-6	4-6	1500	997.2	0	SW	4	PR	55	85	8	8	-	-	4-6	9	1500	1	*	bc	bc	bc	bc						
	Point of Ayre ...	998.6	+16	WS	4	0	63	75	8	2	-	4-6	9	3000	998.9	0	WS	6	PR	59	85	7	3	7	-	7-8	9	1500	1	4	bc	bc	bc	bc						
13a	Tiree ...	994.4	+12	WSW	4	0	59	75	8	8	-	7-8	7-8	2100	993.7	-7	WSW	4	bc	58	85	8	8	-	-	4-6	4-6	2100	0	3	bc	bc	bc	bc						
13b	Stornoway ...	991.2	+2	SW	3	0	57	92	8	5	7	4-6	9	2500	993.3	+4	SW	4	g/pr	57	85	8	5	7	1	7-8	9	2500	1	2	cpr	bc	bc	bc						
15	Dalwhinnie ...	992.4	+10	SW	3	0	54	85	7	4	-	3	3	1300	995.3	+4	SW	2	c	54	75	8	8	-	-	3	3	2500	1	*	cpr	bc	bc	bc						
	Aberdeen ...	993.1	-2	SW	3	g/pr	60	75	7	3	3	7-8	7-8	1800	994.5	+10	SW	1	c	60	85	8	8	2	4-6	7-8	2500	1	2	bcpr	bc	bc	bc							
	Wick ...	991.6	-2	SW	3	bc	60	75	7	3	6	3	3	4-6	+6	WSW	3	bc	55	82	8	5	7	3	4-6	4-6	4000	1	*	bc	bc	bc	bc							
16	Sumburgh ...	993.4	+2	SE	2	0	58	92	7	5	-	10	10	800	993.5	+2	SE	2	c	57	85	7	5	3	4	2-3	3	300	1	*	c	bc	bc	bc						
17	Blackad Point...	996.9	+6	WSW	6	0	60	85	7	2	6	2-3	3	2500	998.1	+14	WSW	7	c	58	85	7	2	6	-	4-6	7-8	2500	0	5	bc	bc	bc	bc						
18	Malin Head ...	995.2																																						



Abridged observations of additional stations in the AVIATION WEATHER CODE															
13h. G.M.T. 25th August 18h. G.M.T.				01h. G.M.T. 20th August 07h. G.M.T.											
III	C <sub>m</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>m</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>m</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>m</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>m</sub>	wwVhN <sub>h</sub>	DDFWN
109	06	01753	1821+	97	10854	25327	50	02846	14126	53	02735	00026			
115	52	10844	26236	87	81724	22387	52	02844	20267	52	81734	22367			
203	6-	04838	16568				5-	02936	16326	5-	02938	20329			
206	83	25965	20385	83	02865	24287	53	01864	24224	8-	01964	24224			
210	3-	25955	19385	86	25965	28287	5-	02865	00015	53	02864	20225			
220	73	01843	21214							80	02846	27368			
230	8-	25857	53887	83	25855	18186	8-	02856	00016	8-	81747	18117			
245				24	01962	22314	8-	25764	26184	74	02866	22346			
260	5-	81755	20225	43	02864	20316	5-	25756	16285	5-	02765	22126			
278	8-	02864	21426	36	25855	19386	8-	25845	55485	8-	25847	00055			
279	23	01844	53684	83	01854	52514	8-	81787	53687	8-	02756	57486			
285				9-	82746	22586				9-	25637	24587			
288	20	81846	53586	86	02853	55585	80	01754	21484	86	01854	22365			
575	83	02845	22385				86	01842	26584	93	25834	28584			
801	8-	02754	55725	56	01764	55815	5-	02745	55815	5-	02736	56727			
321	8-	01755	52515	86	01754	20494	50	25763	21383	52	51756	22426			
299	8-	02645	20415	50	01753	20313	51	02744	22316						
292	8-	01854	52685	8-	01864	18384	8-	25787	21287	86	62855	55316			
310	--	01644	24615	--	01644	24614				--	48209	24429			
614	20	01854	53424	4-	02765	55515	8-	25655	53485	5-	53748	55488			
333	17	02753	19626	86	01754	20614	5-	01764	20614	8-	01844	20584			
334	--	03646	20528	--	81746	20487									
340	2-	02855	22525	93	02864	21525	20	01855	20485	46	00852	22383			
136	26	02855	21515	20	01963	20513	04	00890	20521						
336	51	01752	24515	51	02752	24517				62	66752	24568			
350	87	81754	55585	10	00867	55582	04	00790	18401	55	02734	20417			
368	87	02744	23626	82	02746	23727									
379	20	02755	20685				50	01753	55413	53	01753	20314			
390	20	02854	55525	80	01752	22424	03	00790	20411	53	02636	22417			
382							50	01864	54414	53	02834	20425			
438	5-	02745	24615												
430				23	02852	55525	50	00742	22402	8-	02757	22427			
409	5+	02753	53626	--	05752	21513	54	01753	55514	57	02735	56587			

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



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th August 1941.
1 S.E. England	Moderate or fresh westerly winds. Bright intervals and local showers, perhaps with some thunder this afternoon. Rather cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Fresh westerly winds, strong locally on coasts, backing later. Bright intervals and local showers, perhaps with thunder. More general rain probable towards end of period. Rather cool.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	As 1-3.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 4-8.
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	As 1-3.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Moderate or fresh westerly winds, backing S.W. temporarily. Bright intervals and showers at first, but more general rain spreading from the west, followed by bright intervals again towards end of period. Rather cool.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

**BAROMETER.** Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High.  
**BAROMETRIC CHANGE** from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

**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.

**GENERAL INFERENCE.**  
 A depression centred off N.E. Scotland is moving E. and filling up. Another depression now well out on the Atlantic is approaching the British Isles. There will be bright intervals in all districts, with scattered showers and some thunder, but more general rain will spread into western districts later.

**FURTHER OUTLOOK.**  
 Continuing unsettled, with rain or showers at times in most districts.

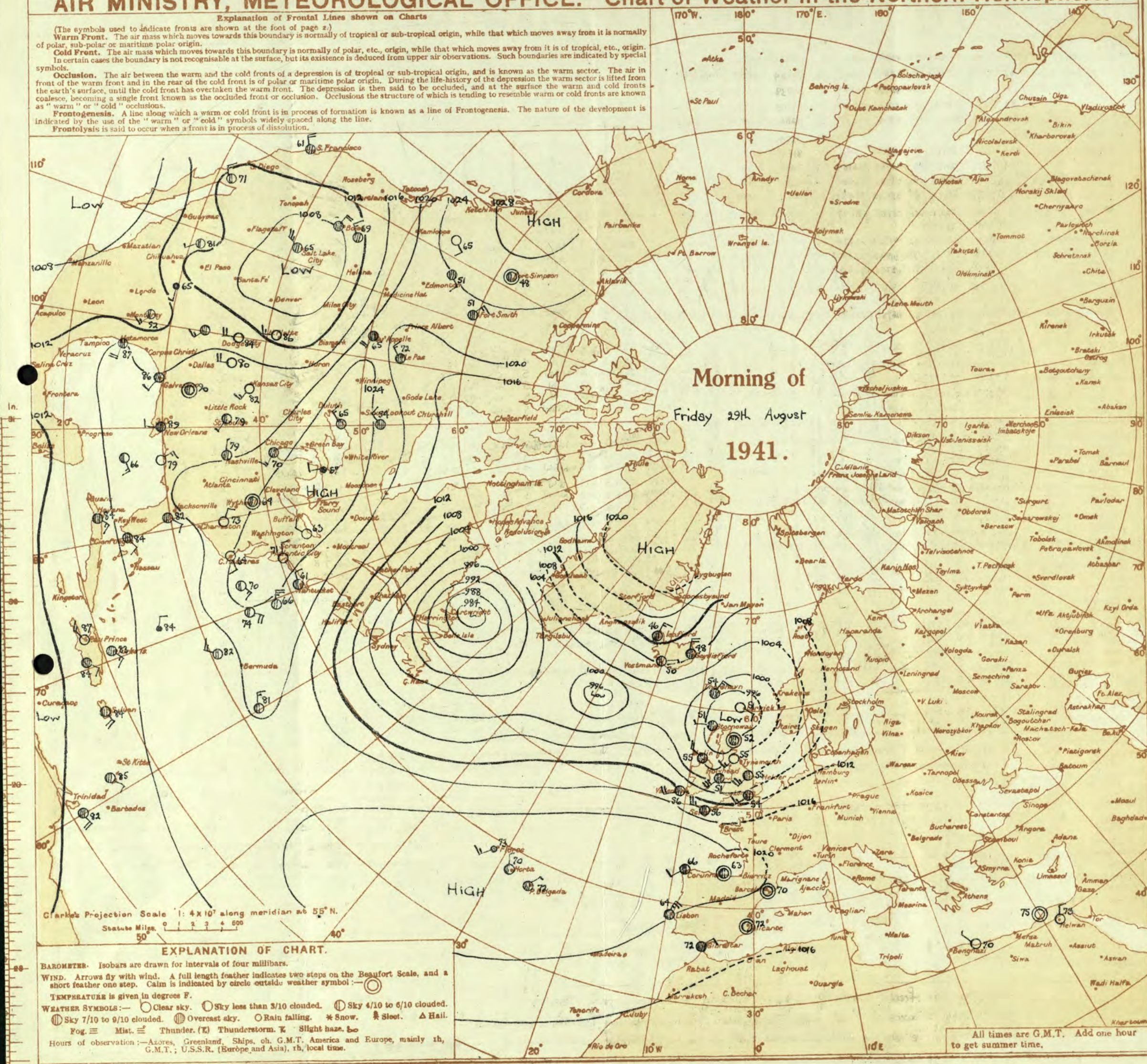
Forecasts issued at 10.30h. G.M.T.  
 H.M.S.O. Press, Meteorological Office, Dunstable.  
 N. K. JOHNSON, D.Sc., A.R.C.S., Director.  
 6.263/4120. No. 8176. D. 8034. 6p. 3300 3/40



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.  
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.



## 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. —

Hours of observation: — Azores, Greenland, Ships, etc. G.M.T. America and Europe, mainly 1h, G.M.T.; U.S.S.R. (Europe and Asia), 1h, local time.

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



THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 29th August 1941  
No. 29135

OBSERVATIONS at 1 hr. G.M.T. 22nd August														OBSERVATIONS at 7 hr. G.M.T. 22nd August														PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.					State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		Sun-shine Hrs. (36)	
					Dir.	Force.					Form.	Amount.	Height of Base. (feet) (14)	Dir.	Force.			Form.	Amount.					Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)			Night 18h-7h mm. (35)						
																																Low.	Med.	High.	Low.		Med.
1	London (Kew) ... 18	1010.7	-2	SW	3	b	54	85	8	4	0	1	1008.5	-4	WSW	4	c	56	85	7	5	2	7-8	9	2500	1	67	54	49	1	-	6.2					
	Croydon ... 217	1010.7	-2	SW	3	b	54	85	8	4	0	1	1008.5	-4	WSW	4	c	55	85	8	5	3	7-8	9	2000	1	67	54	49	1	-	8.2					
	S. Farnborough ... 226	1010.4	-6	SWW	4	b	54	85	8	4	0	1	1009.5	-2	SWW	4	c	54	85	8	5	3	7-8	9	1000	1	65	53	49	1	-	8.2					
	Boscombe Down ... 417	1011.0	-6	SWW	5	bc	53	85	7	5	2-3	2-3	1010.8	+4	WSW	5	bc	54	85	7	5	1	2-3	4-6	3000	1	56	52	47	0.5	-	7.3					
	Thorney Island ... 10	1011.8	-2	WSW	4	b	57	85	8	5	1	1	2100	-1	WSW	4	c	55	85	7	5	7	4-6	9	2500	0	65	56	52	1	-	8.2					
	Lympe ... 346	1012.5	0	WSW	1	b	53	92	6	1	0	0	-	-2	SW	1	c	55	85	8	2	7	6	7	1200	1	66	50	43	0	-	3.5					
	Manston ... 154	1010.7	-6	SWW	3	b	53	97	8	1	0	0	-	-4	WSW	4	c	55	85	7	2	4	6	7	9	2000	1	68	51	49	0.1	-	4.5				
2	Shoeburyness ... 11	1008.8	-2	WSW	5	b	57	85	7	4	0	1	1009.7	-2	WSW	4	c	56	85	8	2	4	7	7	10	2500	1	69	54	48	2	-	6.4				
	Felixstowe ... 15	1008.4	+4	WSW	3	b	55	75	6	1	0	0	1007.3	-6	WSW	3	c	56	85	8	1	7	7	0	9	1	69	55	51	0.1	-	5.8					
	Gorleston ... 5	1008.4	+4	WSW	3	b	55	75	6	1	0	0	1006.9	-8	WSW	4	bc	54	97	7	1	9	0	4	0	3	68	53	41	1	-	8.3					
	Mildenhall ... 19	1007.5	-4	WSW	4	b	55	92	8	1	0	0	1006.0	-4	WSW	4	c	54	92	8	1	7	2	0	7-8	0	68	52	46	1	-	8.3					
	Cranwell ... 240	1005.3	-6	SWW	5	c	55	75	7	5	10	10	2000	1003.9	-6	SWW	5	c	55	85	8	5	3	4	7-8	9	2000	0	68	53	51	1	-	11.5			
3	Birmingham ... 535	1008.3	-2	SW	4	bc	53	92	8	3	7	2-3	1500	1005.3	+2	WSW	3	bc	55	85	8	5	7	2-3	2-3	4000	1	66	49	2	7.2	-					
	Upper Heyford ... 408	1008.3	-2	SW	4	bc	53	92	8	3	7	2-3	1500	1007.0	-2	WSW	4	c	55	92	8	5	4	7-8	9	1000	1	65	51	41	0.5	-	7.2				
	Ross-on-Wye ... 223	1008.3	-2	SW	4	bc	53	92	8	3	7	2-3	1500	1007.3	-8	WSW	4	c	56	75	8	5	4	9	9	2500	1	65	54	51	0.4	-	9.3				
5	Hartland Point ... 299	1009.9	0	WNW	5	c	58	75	8	8	-	-	7-8	7-8	1500	1009.7	+4	WNW	4	c	57	85	8	8	-	9	9	1500	1	61	56	54	1	0.5	6.4		
	Bristol ... 209	1010.3	-2	WSW	4	PR	54	92	6	8	-	-	9	9	1200	1009.3	+2	WS	4	c	56	85	8	8	-	9	9	1600	1	64	53	51	2	11	6.8		
	Portland Bill ... 32	1011.3	+6	SW	5	bc	58	92	8	8	-	-	4-6	4-6	4000	1010.3	-6	WSW	5	c	58	92	8	5	-	10	10	2500	1	62	56	53	1	-	6.1		
	Plymouth ... 82	1012.9	-2	WSW	6	bc	56	92	8	8	-	-	2-3	2-3	2000	1012.4	+2	W	5	c	55	92	8	1	3	1	4-6	7-8	1500	0	64	55	53	1	-	6.1	
	The Lizard ... 240	1013.6	0	W	5	bc	56	85	8	8	-	-	4-6	4-6	2500	1013.2	+6	W	5	c	56	85	8	8	5	-	7-8	7-8	1200	0	63	54	53	0.2	-	8.2	
	Scilly (St. Mary's) ... 163	1013.6	0	WNW	5	bc	56	85	7	5	-	-	2-3	2-3	1500	1013.1	+2	WNW	5	cjp	56	85	8	8	7	-	4-6	10	1200	1	62	55	53	0.1	-	6.8	
	Guernsey ... 175	1013.6	0	WNW	5	bc	56	85	7	5	-	-	2-3	2-3	1500	1013.1	+2	WNW	5	cjp	56	85	8	8	7	-	4-6	10	1200	1	62	55	53	0.1	-	6.8	
6	Pembroke ... 142	1007.8	+2	WSW	8	bcq	57	85	7	2	-	-	4-6	4-6	2500	1007.8	+2	WSW	8	bcq	57	85	7	2	-	4-6	4-6	2500	1	62	55	53	2	1	*		
	Holyhead (Valley) ... 26	1003.3	-2	SW	6	c	57	85	7	5	-	-	9	9	2300	1003.7	+6	WSW	5	c	56	85	8	5	-	9	9	2000	1	62	55	53	2	1	*		
	Chester (Sealand) ... 16	1004.2	+2	SW	4	c	57	75	6	5	-	-	7-8	7-8	4000	1003.2	+2	W	3	cjp	56	75	8	8	6	-	7-8	7-8	2000	1	62	55	53	2	1	*	
	Manchester ... 70	1003.7	+2	SWW	4	zo	57	85	6	5	3	-	4-6	4-6	3000	1002.4	+2	W	3	cjp	56	85	8	8	6	-	7-8	7-8	2000	1	62	55	53	2	1	*	
10	Spurn Head ... 29	1013.7	-2	SW	5	bq	55	85	7	2	-	-	1	1	4000	1001.9	-12	SW	5	cjp	56	85	7	8	6	-	4-6	7-8	4000	0	68	53	53	2	-	5.5	
	Catterick ... 175	1000.9	-4	SW	2	pr	55	85	6	8	-	-	9	9	2000	999.7	+2	WSW	3	pr	57	75	8	8	6	-	4-6	7-8	2000	1	64	54	49	0.4	3	6.1	
	Tynemouth ... 108	999.1	-2	SW	3	pr	55	85	6	2	-	-	4-6	4-6	2500	997.8	-12	W	5	cjp	56	75	7	8	-	9	9	1500	1	64	54	51	1	3	*		
11	St. Abbs Head ... 280	996.3	-10	WSW	4	ir	53	92	7	5	2	-	7-8	10	1500	995.7	+8	NW	3	c	53	92	8	5	4	-	7-8	9	1800	1	63	51	51	7	4	*	
	Leuchars ... 36	995.5	-4	W	1	bc	53	92	6	5	2	-	4-6	4-6	2300	996.3	+6	W	2	c	52	97	6	5	7	-	2-3	7-8	2500	1	64	52	48	1	1	5.8	
	Renfrew (Abbots L.) ... 19	993.6	-26	SSW	4	ir	53	92	6	5	2	-	4-6	10	1400	998.2	+16	W	1	c	54	85	8	8	7	9	4-6	7-8	2500	1	65	52	49	1	5	5.2	
	Esdailemuir ... 794	993.6	-26	SSW	4	ir	53	92	6	5	2	-	4-6	10	1400	998.2	+16	W	1	c	54	85	8	8	7	9	4-6	7-8	2500	1	65	52	49	1	5	5.2	
	Point of Ayre ... 30	998.6	-6	W	6	bc/pr	55	92	7	8	-	-	2-3	2-3	2000	1000.2	+10	WNW	3	c	53	85	8	5	5	9	4-6	7-8	800	1	59	50	48	6	12	2.0	
13A	Tiree ... 22	993.2	+8	WNW	2	bc	54	92	8	5	+	-	2-3	2-3	2500	998.7	+16	NW	3	c	56	92	7	6	-	9	9	800	1	65	53	53	1	2	6.9		
13B	Stornoway ... 80	995.3	+6	W	1	c	51	97	7	5	4	-	7-8	9	2500	997.1	+12	WSW	2	c	54	97	8	5	7	-	4-6	9	1500	1	60	50	50	0.3	2	8.5	
15	Dalwhinnie ... 1176	995.3	+6	W	1	c	51	97	7	5	4	-	7-8	9	2500	997.1	+12	WSW	2	c	54	97	8	5	7	-	4-6	9	1500	1	60	50	50	0.3	2	8.5	
	Aberdeen ... 79	995.3	+6	W	1	c	51	97	7	5	4	-	7-8	9	2500	997.1	+12	WSW	2	c	54	97	8	5	7	-	4-6	9	1500	1	60	50	50	0.3	2	8.5	
	Wick ... 119	995.5	+2	WSW	1	c	53	92	7	5	1	-	7-8	9	3500	996.3	+6	WNW	2	cjp	51	97	8	5	7	-	4-6	9	3500	1	63	51	51	4	1	5.0	
	Sumburgh ... 30	994.8	+2	E	1	bc	50	97	8	5	-	-	4-6	4-6	2500	995.3	+6	N'E	1	c	54	92	8	5	3	-	4-6	7-8	1500	1	63	50	50	4	1	*	
17	Blackad Point ... 18	1003.4	+8	WSW	6	bcq	56	92	7	4	-	-	4-6	4-6	1500	1005.9	+16	W	4	bc	56	85	7	4	-	4-6	4-6	2500	0	61	53	53	0.4	Tr	*		
	Malin Head ... 84	997.5	-24	NW	4	pr	55	85	8	5	3	-	2-3	4-6	1500	1000.5	+8	WNW	4	pr	57	85	8	9	-	7-8	7-8	1500	1	61	53	53	1	5	6.6		
	Aldergrove ... 268	998.8	+6	WSW	4	c	54	92	7	9	-	-	7-8	7-8	900	1001.7	+8	WS	4	c	55	85	8	5	-	9	9	1200	1	62	53	48	1	1	5.1		
19	Birr Castle ... 173	1004.3	+6	W	2	b	54	85	8	-	-	-	0	0	-	1006.3	+10	W	2	c	55	85	8	8	1	-	7-8	10	2500	1	61	53	51	5	0.3	3.7	
	Valentia Obay. ... 30	1010.1	+8	WS	4	pr	56	85	8	3	-	-	7-8	7-8	1500	1011.1	+6	W	4	cjp	56	92	8	8	-	9	9	2500	1	61	55	52	1	1	6.7		
	Roches Point ... 22	1008.9	+6	W	4	pr	55	92	8	3	-	-	4-6	4-6	1500	1009.7	+8	W	3	bc	56	85	8	5	-	2-3	2-3	2500	1	62	54	54	0.4	0.2	*		
LONDON OBSERVATIONS																																					
Day 7h-18h, Kew & Croydon.																																					
9h-18h, Kensington.																																					
9h-21h, other stations except for rainfall which is 9h-18h.																																					
Height above M.S.L. in feet.																																					
Weather																																					
Temperature.																																					
Rainfall.																																					
Sun-shine.																																					
Humidity.																																					
Atmospheric Pollution.																																					
EXPLANATION OF FIGURES, LETTERS, etc.																																					
COLUMNS 2, 16.																																					
The barometric tendency is																																					

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

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



AIR  
MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

**SECRET**  
BRITISH SECTION  
Saturday 23rd August 1941.  
No. 23,136

OBSERVATIONS at 13h. G.M.T. 23rd August														OBSERVATIONS at 18h. G.M.T. 23rd August														PAST 24 HOURS.								
STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 8 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visib. 0-12 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 8 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visib. 0-12 (22)	Cloud.					State of ground. 0-6 (29)	Sea. 0-9 (30)	WEATHER.							
			Dir.	Force. 0-12 (4)					Form.	Amount. Low Total 0-10 0-10 (12) (13)	Height of Base. (feet) (14)	Dir.	Force. 0-12 (18)			Form.	Amount. Low Total 0-10 0-10 (26) (27)					Height of Base. (feet) (28)	7h.—18h. 23rd...	18h.—18h. 23rd...	18h.—23h. 23rd...	1h.—7h. 23rd...										
1 London (Kew)...	1008.3	0	SW	2	bc/pr	59	85	7	8	7	3	2-3	4-6	1500	1008.0	+6	WSW	3	bc	61	65	8	8	4	3	2-3	4-6	2500	1	*	pcpr	bc	PR	bc	bcc, km	bcc, cm.
Croydon ...	1008.7	+2	SWW	3	bc	57	82	7	6	7	-	4-6	3	1200	1008.1	+2	WS	4	bc	62	65	8	6	6	2	3	4-6	2500	1	*	r	bc	PR	bc	bcc, km	bcc, cm.
S. Farnborough	1008.8	+2	WS	4	c/pr	58	85	8	6	-	-	7-8	7-8	1000	1008.5	0	WS	4	bc	62	65	8	2	6	1	2-3	2500	1	*	cpr	PR	bc	bc	bcc, km	bcc, cm.	
Boscombe Down	1010.0	0	WNW	5	pr	59	75	7	8	-	-	7-8	7-8	2000	1010.3	+6	WNW	3	bc	60	65	8	8	4	2	3	2500	0	*	bc	bc	PR	bc	bcc, km	bcc, cm.	
Thorney Island	1010.6	0	SWW	4	c	64	75	8	8	7	1	7-8	3	4000	1010.7	-2	WS	3	c	62	65	7	2	6	-	7-8	7-8	2500	1	*	cpr	bc	PR	bc	bcc, km	bcc, cm.
Lymington	1011.0	-2	WSW	4	c/pr	60	85	8	1	7	-	4-6	10	2200	1010.7	0	WSW	4	bc	59	85	7	3	6	3	4-6	4-6	3000	1	5	cpr	bc	PR	bc	bcc, km	bcc, cm.
Manston	1008.1	-2	WSW	4	c/pr	60	85	8	2	7	8	1	3	2500	1008.1	+6	WSW	3	bc	58	85	8	8	6	2	4-6	4-6	1500	1	*	cpr	bc	PR	bc	bcc, km	bcc, cm.
2 Shoreham	1008.3	-2	SWW	4	c	62	75	8	8	1	-	4-6	10	2500	1008.1	-2	SWW	3	c	59	75	6	8	4	-	4-6	7-8	2500	1	*	c	bc	PR	bc	bcc, km	bcc, cm.
Felixstowe	1006.3	-6	WSW	4	c	65	65	8	8	3	-	3	10	2500	1007.2	+4	WNW	3	bc	55	65	8	3	6	3	3	3	2500	1	4	bc	bc	PR	bc	bcc, km	bcc, cm.
Gorleston	1005.5	+6	SW	4	bc	64	65	7	2	-	-	4-6	4-6	3000	1006.7	+6	SW	3	pr	62	65	7	8	4	4	7-8	7-8	2500	1	3	bcpr	bc	PR	bc	bcc, km	bcc, cm.
Mildenhall	1005.0	+2	WSW	5	c	65	85	8	3	7	1	4-6	7-8	3000	1006.7	+2	W	4	bc	57	97	8	7	2	4-6	7-8	2500	1	*	bcpr	bc	PR	bc	bcc, km	bcc, cm.	
Cranwell	1004.7	+4	W	4	c	58	75	8	3	6	3	7-8	3	1500	1005.7	+4	WS	4	c	59	75	8	3	6	3	4-6	7-8	1000	1	*	cpr	bc	PR	bc	bcc, km	bcc, cm.
3 Birmingham	1006.5	+6	WNW	4	c/pr	60	65	8	8	7	-	7-8	3	2500	1008.0	+8	W	3	c/pr	59	75	8	8	7	-	4-6	3	2500	1	*	bcpr	bc	PR	bc	bcc, km	bcc, cm.
Upper Heyford	1007.5	+2	W	4	pr	57	65	7	8	6	3	4-6	7-8	1000	1007.9	+4	WN	4	bc	62	65	8	5	-	-	4-6	4-6	3000	1	*	cpr	bc	PR	bc	bcc, km	bcc, cm.
Ross-on-Wye	1008.0	+4	WN	5	c/pr	62	65	8	8	-	-	3	3	4000	1009.3	+4	WN	4	bc	61	65	8	5	-	-	4-6	4-6	4000	1	*	cpr	bc	PR	bc	bcc, km	bcc, cm.
4 Hartland Point	1011.3	+6	WNW	5	c	60	85	8	3	6	-	4-6	7-8	1500	1011.8	0	W	4	c	59	85	8	7	4	-	4-6	7	2000	0	5	c	bc	PR	bc	bcc, km	bcc, cm.
Bristol ...	1009.7	0	W	4	bc	61	75	8	2	-	-	4-6	4-6	1500	1009.8	+8	WN	5	pr	59	85	8	8	3	3	3	3	1800	1	*	bcpr	bc	PR	bc	bcc, km	bcc, cm.
Portland Bill	1011.3	+2	SW	5	c	59	82	8	5	-	-	10	10	2500	1012.4	+6	W	5	bc	60	85	8	2	-	-	4-6	4-6	4000	1	5	bc	bc	PR	bc	bcc, km	bcc, cm.
Plymouth	1013.5	+6	WS	5	c/pr	61	75	8	3	-	-	3	3	2500	1013.6	-2	W	4	bc	60	75	8	7	-	-	2-3	2-3	2500	0	4	cpr	bc	PR	bc	bcc, km	bcc, cm.
The Lizard	1014.3	0	WS	5	bc	61	85	7	8	-	-	4-6	4-6	2500	1014.6	+4	W	3	m	56	87	4	5	-	-	10	10	300	0	3	cpr	bc	PR	bc	bcc, km	bcc, cm.
Scilly (St. Mary's)	1014.3	+2	WNW	4	c	62	85	8	8	7	-	4-6	3	1200	1014.4	-6	WN	4	pr	56	87	8	8	7	-	7-8	10	800	1	4	cpr	bc	PR	bc	bcc, km	bcc, cm.
Guernsey	1014.3	+2	WNW	4	c	62	85	8	8	7	-	4-6	3	1200	1014.4	-6	WN	4	pr	56	87	8	8	7	-	7-8	10	800	1	4	cpr	bc	PR	bc	bcc, km	bcc, cm.
5 Pembroke	1010.3	+6	WS	6	bc	58	85	7	2	4	-	2-3	4-6	2500	1010.6	0	W	6	bc	58	85	7	1	4	-	2-3	4-6	2500	1	5	pcpr	bc	PR	bc	bcc, km	bcc, cm.
Holyhead (Valley)	1006.5	+10	W	5	c/pr	61	75	8	8	6	-	4-6	7-8	2500	1007.3	+6	WNW	4	c/pr	60	75	8	8	6	-	4-6	3	4500	0	3	cpr	bc	PR	bc	bcc, km	bcc, cm.
Chester (Sealand)	1006.3	+20	WN	4	c/pr	61	65	8	3	6	-	3	3	800	1006.9	+6	W	3	c	62	65	8	3	6	-	7-8	7-8	1000	1	*	cpr	bc	PR	bc	bcc, km	bcc, cm.
Manchester	1005.5	+12	W	5	c/pr	61	85	7	3	-	-	4-6	7-8	1800	1005.9	+6	W	5	c	60	75	7	8	3	-	7-8	3	2500	1	*	cpr	bc	PR	bc	bcc, km	bcc, cm.
6 Spurn Head	1002.7	+2	W	6	pr	60	75	7	8	7	-	4-6	7-8	4000	1003.5	+4	W	5	pr	59	85	7	8	6	-	4-6	7-8	4000	1	4	cpr	bc	PR	bc	bcc, km	bcc, cm.
Catterick	1002.3	+18	WN	3	PR	58	85	3	8	7	-	3	3	1800	1003.2	+8	W	3	c	61	65	8	8	6	-	4-6	3	2500	0	*	pr	bc	PR	bc	bcc, km	bcc, cm.
Tynemouth	1000.6	+12	W	5	c/pr	60	75	7	8	3	-	4-6	7-8	2800	1002.3	+8	W	3	c/pr	57	85	7	8	-	-	3	3	2500	1	3	pr	bc	PR	bc	bcc, km	bcc, cm.
11 St. Abbs Head	999.0	+12	W	2	c	58	85	3	8	4	-	4-6	7-8	2500	1000.2	+6	W	4	c	55	85	8	8	7	-	7-8	3	2000	1	2	c	bc	PR	bc	bcc, km	bcc, cm.
Leuchars	998.5	+8	WSW	2	bc/pr	60	75	8	8	3	1	4-6	4-6	3500	1000.1	+10	W	2	pr	56	85	8	3	-	-	7-8	3	1800	1	*	bcpr	bc	PR	bc	bcc, km	bcc, cm.
12 Renfrew (Abbots L.)	1001.2	+14	WNW	3	pr	62	75	8	8	7	3	3	3	1000	1002.3	+14	W	3	c	59	75	7	8	4	-	7-8	3	1500	1	*	cpr	bc	PR	bc	bcc, km	bcc, cm.
Esksdalemuir	1000.2	+10	WNW	4	c/pr	57	75	8	8	-	-	7-8	3	1500	1003.1	+18	WNW	4	c	56	75	8	8	-	-	3	3	1500	1	*	cpr	bc	PR	bc	bcc, km	bcc, cm.
Point of Ayre	1000.3	+12	WNW	5	pr	59	85	7	8	1	-	7-8	3	2000	1005.6	+10	WNW	4	c	57	82	8	6	3	-	7-8	7-8	1500	1	4	cpr	bc	PR	bc	bcc, km	bcc, cm.
13a Tiree	1003.6	+14	WNW	3	bc	58	85	7	8	3	-	4-6	4-6	2200	1004.5	+10	NW	4	c	57	92	7	8	-	-	3	3	1800	0	4	cpr	bc	PR	bc	bcc, km	bcc, cm.
13b Stormoway	999.5	+12	NW	4	bc	61	75	7	2	6	-	4-6	4-6	2500	1002.3	+14	NW	3	pr	57	92	8	8	7	-	7-8	3	2200	1	1	cpr	bc	PR	bc	bcc, km	bcc, cm.
15 Dalwhinnie	999.4	+8	WSW	3	c	60	65	8	8	-	-	3	3	2500	994.5	+10	W	2	bc	53	85	8	8	4	-	4-6	4-6	2500	1	*	cpr	bc	PR	bc	bcc, km	bcc, cm.
Aberdeen	998.1	+8	NW	2	bc/pr	63	65	8	8	-	-	4-6	4-6	2100	1000.1	+6	WSW	1	bcpr	58	75	6	8	-	-	4-6	4-6	2500	1	2	cpr	bc	PR	bc	bcc, km	bcc, cm.
Wick	998.3	+10	NW	2	c/pr	60	75	8	2	7	-	4-6	3	2500	1000.5	+10	NW	3	c	55	85	8	5	7	-	7-8	10	2000	0	*	cpr	bc	PR	bc	bcc, km	bcc, cm.
Sumburgh	997.5	+10	WSW																																	

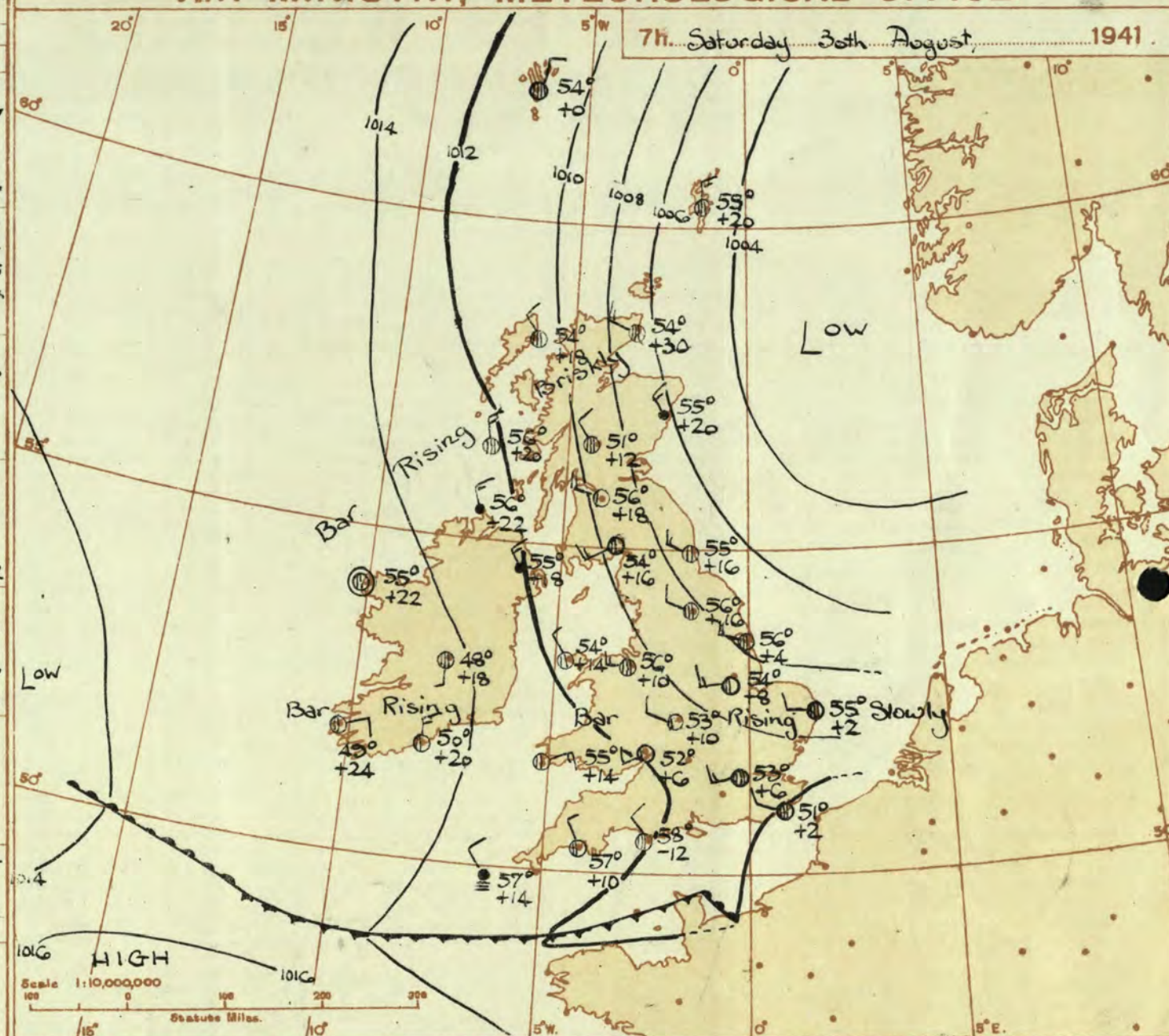


Abridged observations of additional stations in the  
AVIATION WEATHER CODE

13h. G.M.T. 22nd August							18h. G.M.T.							01h. G.M.T. 23rd August							07h. G.M.T.						
III	C <sub>u</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>u</sub>	wwVhN <sub>h</sub>	DDFWN		C <sub>u</sub>	wwVhN <sub>h</sub>	DDFWN		C <sub>u</sub>	wwVhN <sub>h</sub>	DDFWN		C <sub>u</sub>	wwVhN <sub>h</sub>	DDFWN									
109	8	02765	29325	5	03848	28228	5	03749	28188	5	02747	30327															
115	53	00834	30187	54	09834	28325	52	81734	28387	57	81834	28387															
203								5	03838	24328	5	03838	24458														
206	86	28865	24196	8	25965	30386	5	02856	26126	8	82647	30387															
210	33	10805	26315	8	02267	24287	8	81867	25227	8	25767	28487															
220	81	02744	26488								51	03746	29428														
230	5	10847	27387					8	02845	26425	2	01854	26324														
245	96	81846	15287	24	25954	24185	44	00862	24283	84	10264	30385															
260	36	81055	26285	36	02854	22415	5	05665	24215	54	01763	00004															
273	86	01854	59584	56	00872	27512	8	25517	07755	8	01855	28415															
279	8	25855	56486	86	02855	24486	50	01864	24314	53	01863	00014															
285	9	82647	24587	2	81747	24587				27	05635	26486															
288	86	25855	55486	36	25855	57487	50	01764	20184	8	02753	22127															
575	36	81847	26487	26	81844	26484	07	01790	26213	5	02867	28127															
301	26	01753	58624	86	02744	59626	50	01754	59484	23	01754	61425															
321	86	25655	28487	87	25653	25386	54	05664	23314	55	81755	24327															
299	5	25646	20536	87	01744	22295	50	00742	22362	57	01754	24215															
292	86	02945	53425	87	02965	23387	5	01865	23325	57	02865	23126															
310	--	25636	26486							--	46103	24449															
314	83	25655	57486	96	25664	23386	50	05663	18393	53	05682	22322															
333	14	02854	24526	83	02864	24386	5	00851	22201	--	02755	28216															
334	--	81743	20387	--	03746	26328				--	02755	28216															
340	84	10845	28485	36	01854	24325	50	00762	23212	53	00862	26203															
136	36	25855	21585	36	02862	22485	06	05690	24414	8	25767	24387															
336	51	22752	24466							24	01862	28313															
350	26	01764	20585	36	01843	26385	5	01764	20314	03	00790	24312															
368	26	25854	55585	86	02746	55527																					
879	84	81845	22485	86	01854	22482	8	25757	22387	04	01790	24311															
890	27	25755	56586	26	81745	24485	50	00761	22311																		
882	26	10855	22525	86	25845	23385	53	01873	23323																		
438	8	03748	24688							50	01754	24314															
430				20	01865	22385	03	01790	24313																		
409	84	01743	23424	57	02747	22527	02	58518	18168	5	34508	03158															

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th August, 1941.

1 S.E. England	Light or moderate N.W. winds. Scattered showers, with thunder in places this afternoon; fair later; considerable bright periods; rather cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light variable winds; mainly fair, but chance of rain late in period; average temperature.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	As 0-4
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	As 6-8
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	As 0-4
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	As 6-8
19 S. E. Ireland	
20 S. W. Ireland	As 5

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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.

GENERAL INFERENCE.

A depression over the northern North Sea is filling up, and a ridge of high pressure is spreading in from the Atlantic. There will be scattered showers at first in many districts, with thunder in places in the east, but later it will become fair except in the extreme S.W. where there may be some local rain.

FURTHER OUTLOOK.

Fair, except perhaps in the S.W.

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

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

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

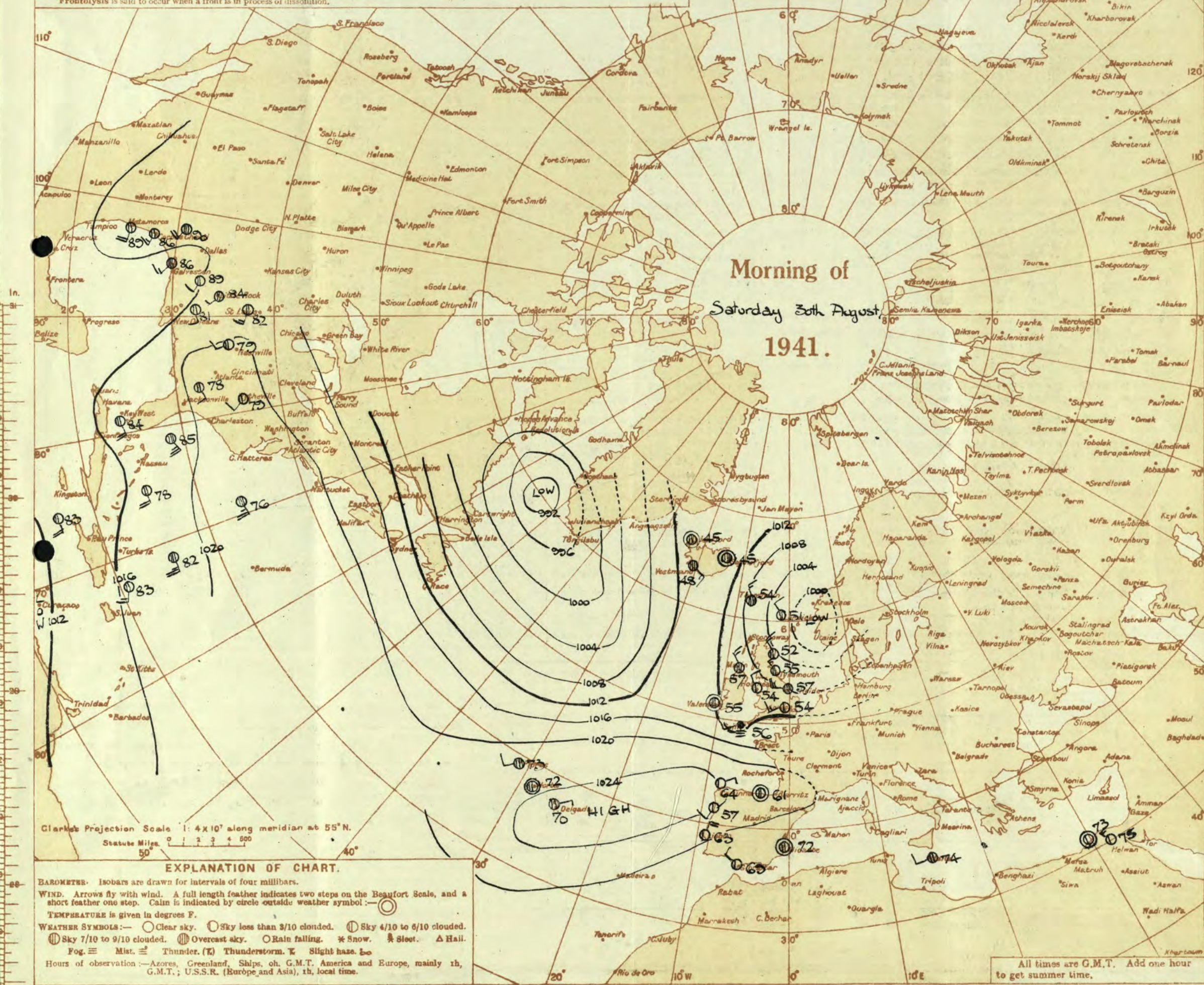
4269/4120. No. 5176. D. 8034. Sp. 848. 3500. 3/41.



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

## Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION  
Saturday 30th August.....1941.  
No. 29.136

OBSERVATIONS at 1 hr. G.M.T. 30th August															OBSERVATIONS at 7 hr. G.M.T. 1st August															PAST 24 HOURS.								
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. Miles (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. Miles (22)	Cloud.			State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		SUNSHINE Hrs. (36)				
					Dirce. (3)	Force. 0-12 (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (14)	Dirce. (17)	Force. 0-12 (18)			Form. (23)	Amount. (24)					Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)			Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)							
																																Low. (11)	Med. (12)		High (13)	Low (25)	Med. (26)	High (27)
1	London (Kew) ... Croydon ... S. Farnborough ... Boscombe Down ... Thorney Island ... Lympne ... Manston ...	18 217 226 417 10 346 154	1011.1 1011.3 1012.8 1012.2 1012.0 1010.5	-2 +0 +2 -2 +2 0	WS W WS WNW WNW WSW	3 3 3 3 2 3	bc bc bc bc c c	54 53 51 51 53 54	85 85 92 85 92 92	8 8 7 7 7 7	*	S S S S S -	- - - - - -	2-3 2-3 1 0 7-8 0	2-3 2-3 2-3 2-3 7-8 10	2500 3000 4000 -	1011.3 1011.5 1011.7 1012.4 1011.9 1012.1 1010.5	+6 +6 +6 +4 +4 +2 +6	SW WSW WNW NW W WN W	2 2 2 1 1 2 1	c c bc z bc c c	54 53 53 50 51 51 54	92 97 97 97 97 97 97	6 3 8 5 7 8 8	3 3 5 5 1 3 5	- - - - - - -	9 7-8 2-3 1 Tr Tr 9+	1500 600 800 3000 4000 1500 7000	1 1 1 0 1 1 1	*	G5 G5 G5 G3 G5 G4 G4	53 51 49 47 47 49 53	49 49 46 40 44 46 50	(3) (4) (5) (6) (7) (8) (9) (10)	- - - - - - 3	- - - Tr Tr 6 3	- - - - - - -	4.3 4.8 5.1 6.1 6.1 4.0 3.0
2	Shoeburyness ... Felixstowe ... Gorleston ... Mildenhall ... Cranwell ...	11 5 15 19 240	1008.7 1008.1 1008.4 1007.8	-2 +4 +2 +4	W WS WS WS	4 3 5 4	c c c c	56 55 55 55	85 85 97 85	7 7 7 7	*	S S S S	- - 7 3	9 9 7-8 4-6	9 9 9+ 7-8	7000 1500 5600 4000	1010.8 1009.2 1008.7 1003.2 1008.9	+6 +6 +2 +4 +8	WS WN W W WS	3 3 2 3 3	c z c c z	55 57 55 54 54	85 85 85 7 85	6 6 7 7 5	5 5 3 3 3	- - - - 2-3	7-8 9 7-8 0 4-6	7200 7000 800 -	1 1 1 1 1	3 2 1 1 *	G6 G5 G6 G4	55 54 53 54 52	51 50 49 49 51	(3) (4) (5) (6) (7)	3 Tr Tr - -	0.5 4.3 * 4.4 5.0		
3	Birmingham ... Upper Heyford ... Ross-on-Wye ...	535 408 223	1010.1	+2	W	3	bc	SS	85	7	S	-	S	2-3	2-3	5000	1010.8 1010.8 1011.6	+10 +6 +6	NNW WN SW	2 2 2	b b b	53 53 52	92 92 92	6 8 8	- 4 1	- 6 -	0 Tr Tr	0 5500 4000	1 1 1	*	G3 G5 G5	51 50 49	46 48 43	(3) (4) (5)	1 - 1	Tr - -	5.4 * 4.8	
4	Hartland Point ... Bristol ... Portland Bill ... Plymouth ... The Lizard ... Seilly (St. Mary's) ... Guernsey ...	299 209 32 82 240 163 175	1011.1 1011.9 1012.4 1012.3 1011.8 1011.2	-18 -2 -6 -10 -22 -20	W WSW SW WSW S WS	4 3 4 3 2 3	c bc c rr rf df	57 55 58 57 56 56	97 92 85 97 97 97	7 7 8 5 2 2	S	2 - - 2 - -	9+ 2-3 7-8 10 10 10	1500 3000 4000 1000 600 1500	1012.4 1012.5 1012.4 1012.5 1012.4 1012.4	+16 +14 -12 +10 +10 +14	NNE N NW NNW NNE NNW	3 0 2 1 2 2	bc z c bcj f df	56 51 58 57 57 57	92 97 92 97 97 97	8 6 8 8 2 2	4 5 5 4 5 -	1 Tr Tr 2-3 2-3 10 10	700 1000 4000 1500 200 1500	1 1 1 1 1 1	3 1 4 2 2 4	G6 G4 G5 G5 G5 G5	56 48 55 55 55 55	55 38 55 55 55 55	(3) (4) (5) (6) (7) (8) (9)	Tr Tr Tr Tr Tr Tr	8.0 6.0 * 5.8 4.4 1.5					
5	Pembroke ... Holyhead (Valley) ... Chester (Sealand) ... Manchester ...	142 26 16 70	1011.6 1009.6 1009.0 1008.4	0 +6 +4 +6	WN NW	2 2 3 3	c b b z	56 54 57 55	97 92 83 92	7 8 7 6	S	- - - -	4-6 0 1 4-6	4-6 0 1 4-6	2500 -	1012.8 1011.6 1010.5 1010.9	+14 +14 +10 +14	NEE NW W W	3 1 3 3	bc bc c z	55 54 56 56	92 92 85 85	8 8 7 6	2 4 5 5	- - - -	1 2-3 9 10	2-3 600 1500 2000	1 1 0 1	3 2 * *	G5 G3 G3 G3	51 51 53 54	46 46 48 50	(3) (4) (5) (6)	Tr Tr Tr 3	- - 2 0.5	4.7 * 1.4 1.5		
6	Spurn Head ... Catterick ... Tynemouth ...	29 175 108	1005.9 1005.9 1004.5	+4 +8 +10	W WNW NW	5 3 3	c pr bc	57 56 55	85 85 85	5 7 6	S	2 4 4	10 7-8 2-3	10 4900 2500	1007.5 1008.2 1007.5	+4 +16 +16	WN WNW WNW	2 4 3	c bc bc	56 56 55	92 85 85	6 8 7	4 3 4	- - -	4-6 9+ 4-6	2500 6000 2800	1 0 1	4 0 2	G3 G5 G4	55 55 50	49 50 50	(3) (4) (5)	0.3 0.3 0.1	0.3 7.0 *				
7	St. Abbs Head ... Leuchars ... Renfrew (Abbots I.) ... Eskdalemuir ... Point of Ayre ...	280 36 19 794 30	1003.3 1004.0 1005.8 * 1007.8	+12 +12 +8 * +8	NW W WS * NNW	4 2 2 * 4	bc bc c * bc	55 54 55 * 56	85 92 92 * 92	8 7 7 * 8	S	4 - 8 * -	4-6 4-6 7-8 * 2-3	4-6 4-6 2000 * 3000	1006.7 1007.0 1009.0 1008.2 1010.2	+18 +18 +18 +16 +16	NW WNW NNW SWW NNW	4 2 2 3 5	c bc bc bc bc	56 56 56 54 57	75 85 85 85 85	8 9 8 7 8	5 7 4 4 5	- - Tr 2-3 4-6	2500 2500 2500 2500 3000	1 1 1 1 1	3 * * * 4	G5 G5 G5 G5 G5	52 50 53 51 54	* 47 44 45 *	(3) (4) (5) (6) (7)	1 2 4 1 2	0.4 1.7 3.4 4.2 2.8					
8	Tiree ... Stornoway ... Dalwhinnie ... Aberdeen ... Wick ... Sumburgh ...	22 80 1176 79 119 30	1007.2 * * * 1003.5 1002.1	+20 * * * +10 +10	NNW * * * WN NNW	4 * * * 3 1	c * * * c bc	55 * * * 54 53	92 * * * 97 97	7 * * * 7 7	S	7 * * 7 3	7-8 * * 7-8 2-3	1500 * * 3000 2500	1012.2 1010.3 1009.6 1006.8 1007.4 1005.9	+20 +18 +12 +20 +30 +20	NN NW NW NW NNW N	3 2 2 3 3 3	c pr bc ir c c	56 54 51 55 53 55	85 92 75 92 97 97	8 8 8 6 7 7	5 7 5 5 5 8	- - - - - -	9+ 7-8 4-6 9+ 9+ 9	2500 1500 2500 1200 2500 500	0 1 1 1 1 *	4 1 1 2 5 *	G1 G2 G1 G5 G1 G1	55 53 51 50 49 51	* * * 44 49 51	(3) (4) (5) (6) (7) (8)	Tr 1 1 3 2 *	0.6 0.2 0.2 2 * *	3.5 4.4 3.8 2.7 * *			
9	Blackod Point ... Malin Head ... Aldergrove ...	18 84 268	1011.9 1009.3 1009.7	+10 +12 +10	NW NW WNW	2 3 2	bc c pr	53 57 55	97 85 85	8 8 7	S	4 - -	0 7-8 9+	2-3 1500 1300	1014.9 1012.3 1012.3	+22 +22 +18	- NW NW	0 3 3	c pr pr	55 56 55	97 85 92	8 7 8	4 6 5	5 - -	2-3 9 9+	7-8 800 1400	0 0 1	1 3 *	G2 G2 G2	49 53 52	* * 47	(3) (4) (5)	- 1 0.5	- 0.5 Tr	* 3.8 2.7			
10	Birr Castle ... Valentia Obay ... Rooches Bay ...	173 30 22	1011.3 1011.8 1011.6	+4 +6 +2	NNW - N	1 0 1	b c bc	48 55 54	92 92 97	8 8 8	S	- - -	0 7-8 4-6	10 4000 2500	1014.2 1014.5 1014.2	+18 +24 +20	S NEE N	1 2 3	c bc bc	48 49 50	97 97 97	8 9 8	5 5 -	- - 5	10 2 0	4000 4000 -	1 1 1	2 3 *	G5 G2 G5	44 48 50	40 44 *	(3) (4) (5)	0.1 Tr Tr	6.5 3.2 3.2				

[illegible]

† Pressure at 1,000 dynamic metres level.

‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. † Sea disturbance reported from Dungeness.

† Sea disturbance reported from Dungeness.

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

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





THE DAILY WEATHER REPORT  
OF THE METEOROLOGICAL OFFICE, LONDON.

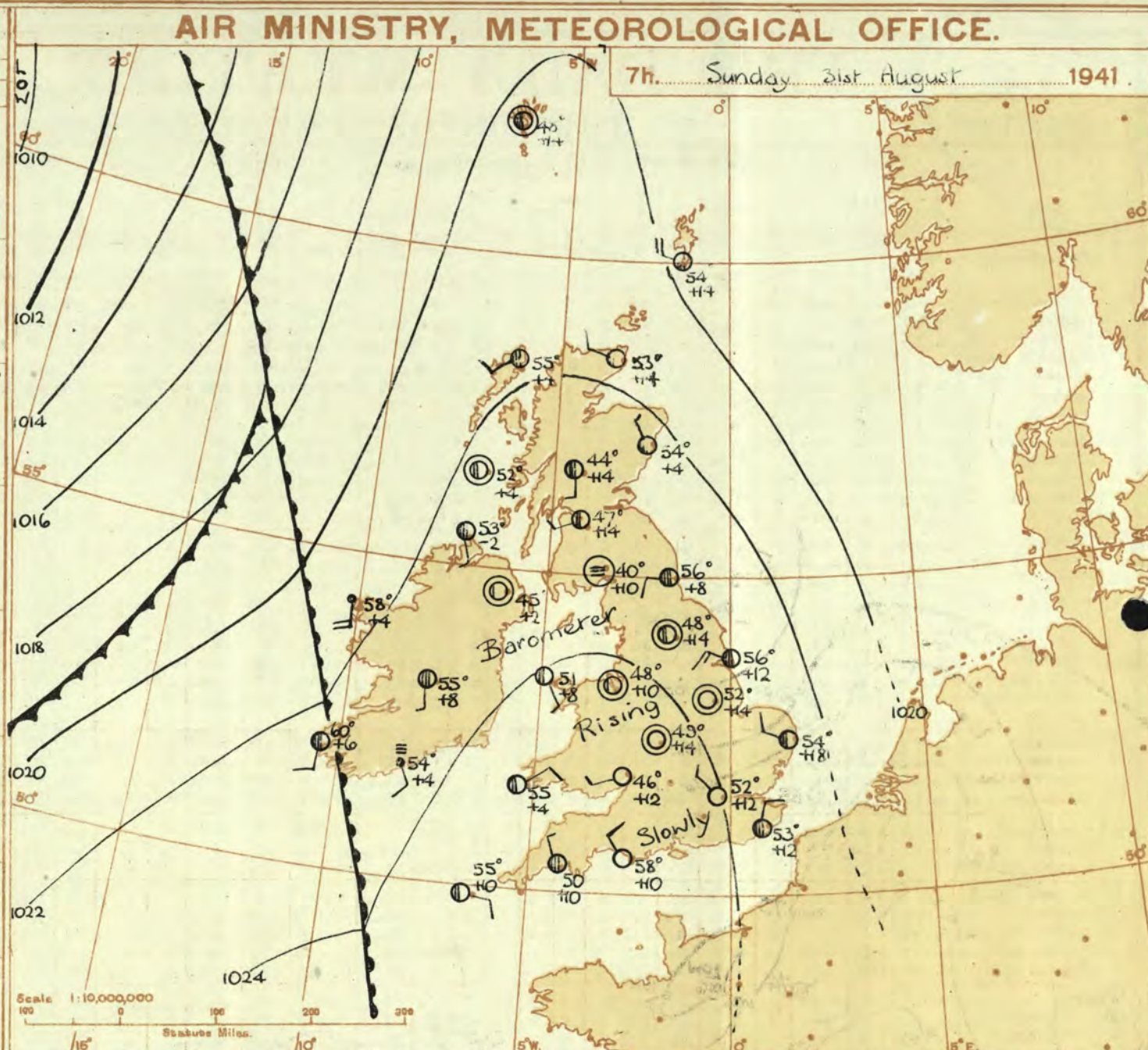
SECRET  
Sunday 31st August 1941.  
No. 29,137

OBSERVATIONS at 13h. G.M.T. 30th August														OBSERVATIONS at 18h. G.M.T. 30th August														PAST 24 HOURS.							
Dist.	STATIONS.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visiblity.	Cloud.			Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visiblity.	Cloud.			State of Ground.	Sea.	WEATHER.									
				Dir.	Force.					Form.	Amount.	Height of Base (feet).			Dir.	Force.					Form.	Amount.	Height of Base (feet).			7h.—13h.	13h.—18h.	18h.—30th	1h.—7h.						
																														0-12	0-10	0-10	0-10	0-10	0-6
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)		
1	London (Kew)...	1013.2	+10	NW	3	c	64	55	8	3	-	9	3	2500	1016.1	+20	NW	2	bc	64	65	7	5	3	-	2-3	2-3	4000	1	*	cirrocumulus	cloudy	bcb	bmw	
	Croydon ...	1012.9	+10	N	3	c	64	65	8	3	-	4-6	7-8	3000	1013.5	+10	NW	3	bc	64	65	7	2	6	-	2-3	2-3	3000	1	*	cbs	c	bcb	bmw	
	S. Farnborough	1013.4	+14	NW	3	c	65	55	8	7	-	3	3	3000	1016.4	+20	NW	3	bc	65	65	8	4	4	-	1-2	2-3	3500	1	*	bbscy	cybeb	bw	bmw	
	Boscombe Down	1013.3	+14	NW	3	c	65	55	7	8	-	7-8	7-8	3000	1017.0	+16	NW	3	bc	63	65	8	1	4	-	2-3	2-3	3000	0	*	bmbc	bey	bcb	bmw	
	Thorney Island	1013.2	+10	NW	3	c	65	65	8	1	-	2-3	2-3	4000	1016.2	+18	NW	2	bc	65	65	8	4	-	-	1	1	4000	0	*	bmbc	cbeb	bcb	bmw	
	Lymington	1013.3	+10	NW	3	c	63	65	7	8	-	3	3	3500	1016.0	+20	NW	1	bc/pr	65	65	7	2	6	-	1-2	2-3	4000	1	\$3	cirrocumulus	cirrocumulus	cpr	bmw	
	Manston	1012.1	+10	NW	3	c	63	65	8	8	-	3	3	5000	1014.9	+10	NW	1	bc	60	62	6	8	-	-	4-6	4-6	6000	1	*	cirrocumulus	cirrocumulus	bcb	bmw	
2	Shoeburyness ...	1012.6	+10	NW	3	c	65	65	8	5	3	-	7-8	7-8	4000	1015.2	+18	NW	3	bc	61	85	8	8	-	300	800	1	*	cirrocumulus	cirrocumulus	cpr	bmw		
	Felixstowe ...	1011.1	+10	NW	2	c/pr	62	85	8	8	3	-	4-6	300	2500	1014.3	+18	NW	0	bc	62	85	8	2	6	-	1-2	3000	1	1	cirrocumulus	cirrocumulus	cpr	bmw	
	Gorleston ...	1011.4	+14	NW	3	c/pr	62	75	7	1	3	-	4-6	7-8	2200	1014.6	+12	NW	3	bc	61	65	7	3	-	0	3000	1	2	cirrocumulus	cirrocumulus	bbs	bmw		
	Mildenhall ...	1011.6	+12	NW	2	c/pr	62	85	7	8	-	7-8	7-8	2000	1015.1	+24	NW	2	bc	61	92	7	8	7	-	4-6	7-8	4000	1	*	bbs	cirrocumulus	bcb	bmw	
	Cranwell ...	1011.8	+10	NW	4	c	66	65	7	8	6	-	7-8	7-8	1500	1015.6	+18	NW	0	c	62	75	7	8	6	-	4-6	300	2000	1	*	bbscy	bey	bcb	bmw
3	Birmingham	1014.0	+18	NW	4	c	60	65	8	8	-	7-8	7-8	4000	1016.6	+20	NW	4	b	61	65	8	-	1	0	3000	1	*	bbs	bcb	b	bmw			
4	Upper Heyford	1013.1	+10	NW	4	c	63	65	8	8	-	7-8	300	2200	1016.3	+20	NW	3	b	61	75	8	4	-	1	1	3000	1	*	bbs	bcb	bcb	bmw		
	Ross-on-Wye ...	1014.6	+18	NE	3	c	63	65	8	8	-	300	4000	1016.9	+14	NW	3	b	64	65	8	4	-	1	1	1	4000	0	*	bey	bcb	bcb	bmw		
5	Hartland Point	1016.3	+18	NW	2	bc	59	85	8	1	4	-	1-2	200	1019.0	+14	NW	3	b	59	85	8	1	3	1	2000	0	3	bbs	bcb	bcb	bmw			
	Bristol ...	1015.0	+14	NW	4	bc	60	85	8	1	6	-	7-8	7-8	3500	1017.2	+12	NW	2	bc	64	65	8	1	6	1	2-3	2-3	3500	1	3	bbs	bcb	bcb	bmw
	Portland Bill ...	1014.7	+18	NW	2	bc	60	85	8	1	-	2-3	2-3	4150	1017.8	+18	NW	2	bc	64	65	8	5	-	1	2-3	2-3	4000	0	3	bbs	bcb	bcb	bmw	
	Plymouth ...	1016.0	+12	NW	4	bc	67	55	8	1	-	2-3	2-3	3500	1019.1	+16	NW	4	b	64	65	8	1	-	1	1	3500	0	3	bbs	bcb	bcb	bmw		
	The Lizard ...	1016.1	+16	NW	2	bc	60	85	8	8	6	-	4-6	4-6	2500	1019.6	+14	WSW	2	bc	63	65	8	7	-	2-3	2-3	4000	1	3	bbs	bcb	bcb	bmw	
	Scilly (St. Mary's)	1017.0	+18	NW	2	bc	60	85	8	5	4	-	2-3	2-3	1500	1020.2	0	NW	2	b	60	85	8	1	-	1	1800	1	2	bbs	bcb	bcb	bmw		
	Guernsey ...	1017.0	+18	NW	2	bc	60	85	8	5	4	-	2-3	2-3	1500	1020.2	0	NW	2	b	60	85	8	1	-	1	1800	1	2	bbs	bcb	bcb	bmw		
6	Pembroke ...	1018.2	+10	NW	3	bc	61	85	8	1	6	-	2-3	2-3	3000	1020.3	+14	NW	2	bc	60	85	8	-	4	-	0	2-3	-	0	3	bbs	bcb	bcb	bmw
7	Holyhead (Valley)	1015.6	+22	NW	5	bc	62	65	8	8	4	-	1	1	2500	1018.6	+14	NW	2	bc	60	75	8	2	6	4	1	2-3	3000	0	2	bbs	bcb	bcb	bmw
	Chester (Sealand)	1014.4	+22	NW	5	bc	61	75	8	8	-	300	1600	1017.3	+14	NW	4	bc	60	75	8	2	-	2	2-3	4000	0	*	cpr	bcb	bcb	bmw			
8	Manchester ...	1013.6	+20	NW	4	bc	63	75	8	8	4	-	4-6	4-6	2500	1016.7	+18	NW	4	bc	61	75	8	2	3	5	1-2	2000	0	*	cirrocumulus	bcb	bcb	bmw	
10	Spurn Head ...	1011.6	+18	NW	3	bc	62	75	7	-	-	0	0	-	1014.9	+40	NW	4	c	60	75	7	5	7	-	7-8	9	4000	0	3	c	c	b	bmw	
	Catterick ...	1012.1	+22	N	0	c	63	75	8	8	6	-	4-6	7-8	3800	1016.0	+16	N	0	60	85	6	4	3	-	1-2	4000	0	*	cbs	cbs	bcb	bmw		
	Tynemouth ...	1012.0	+20	N	1	c	59	75	8	8	-	7-8	7-8	3000	1015.8	+20	N	4	bc	58	75	8	2	3	-	4-6	4-6	2800	1	2	cbs	cbs	bcb	bmw	
11	St. Abbs Head	1012.1	+32	NW	3	c/pr	55	85	8	5	4	-	7-8	300	2600	1015.4	+10	NW	1	c	59	75	8	4	4	-	4-6	7-8	2500	0	1	cpr	c	bcb	bmw
	Leuchars ...	1012.1	+30	NW	3	c	62	65	8	7	-	0	0	2800	1015.3	+14	E	1	c	61	75	8	8	-	300	3200	0	1	bbs	cbs	bcb	bmw			
12	Renton (Abbots L.)	1013.5	+22	NW	4	bc	63	65	8	8	-	4-6	4-6	3500	1016.9	+22	NW	4	c	62	65	8	8	4	8	2-3	7-8	3500	0	*	bbs	bcb	bcb	bmw	
	Eskdalemuir ...	1012.7	+22	NW	3	c/pr	59	65	8	8	-	7-8	7-8	2500	1016.0	+20	NW	2	bc	60	75	8	8	4	1	2-3	4-6	2500	1	*	bbs	bcb	bcb	bmw	
	Point of Ayre ...	1014.7	+24	NW	5	b	63	75	8	4	-	1	1	2500	1017.6	+22	NW	5	bc	59	85	8	4	-	1	4-6	4-6	2500	0	4	bbs	bcb	bcb	bmw	
13A	Tiree ...	1016.2	+20	NW	2	bc	60	75	8	1	3	5	1-2	3500	1019.1	+12	NW	2	bc	58	85	8	1	3	6	1-2	3500	0	2	cbs	bbs	bcb	bmw		
13B	Stornoway ...	1015.1	+22	N	3	c	58	75	8	5	7	-	7-8	1000	1018.8	+12	NW	3	c/pr	55	92	8	5	7	-	7-8	9	2000	1	2	c	cpr	bcb	bmw	
15	Dalwhinnie ...	1014.6	+24	NW	2	c	56	75	8	5	-	300	2500	1017.7	+24	NW	2	c	55	75	8	8	-	8	-	7-8	9	2500	0	*	c	cpr	bcb	bmw	
	Aberdeen ...	1012.0	+28	NW	3	c	60	75	7	8	-	4-6	4-6	1800	1015.6	+24	NW	3	c	58	75	7	8	-	8	-	7-8	7-8	3000	1	2	cir	cpr	bcb	bmw
	Wick ...	1012.7	+28	NW	3	c	60	85	8	8	-	4-6	4-6	2000	1016.0	+18	NW	3	c	58	92	8	8	-	8	-	10	800	1	4	cir	cpr	bcb	bmw	
16	Sumburgh ...	1010.5	+22	NW	3	bc	59	85	8	2	3	-	2-3	2-3	2000	1013.1	+16	NW	3	c	56	92	8	5	-	300	2500	1	*	bbs	bcb	bcb	bmw		
17	Blackod Point...	1017.7	+12	-	0	c	61	65	8	2	5	4	2-3	7-8	2500	1019.1	+10	NW	1	c	60	75	8	-	5	-	0	7-8	-	</					



Abridged observations of additional stations in the AVIATION WEATHER CODE											
13h. G.M.T. 30th August 18h. G.M.T.				01h. G.M.T. 08th August 07h. G.M.T.							
III	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>	DDFWN	C <sub>M</sub>	wwVhN <sub>h</sub>
109	83	02855	29326	8-	03748	27328	5-	02777	24327	5-	02847
115	52	82634	28487	51	02834	28387	52	02834	26327	52	02734
203				3-	02938	04128	5-	02847	26327	5-	02748
206	8-	81957	30287	8-	02567	28287	5-	02867	00027	5-	02767
210	8-	02867	30387	8-	81967	26327	5-	02867	27327	5-	02867
220	51	02700	27328	53	01954	28204				53	01853
230	83	02945	27415	84	01953	27214	60	00852	00012	5-	02856
245	8-	02956	31+20	8-	54747	28287	5-	05675	24215	54	02965
260	2-	02957	2927-	86	01963	28114				53	02824
278	86	01963	28514	50	00851	52402	50	00851	25311	50	00832
279	26	01864	28314	26	01863	27314	00	00790	00010	5-	02756
285	23	02855	26516								
288	8-	05045	03226	86	05565	32215	5-	45368	28148	50	05664
575	5-	02965	28225	43	01863	24214	03	01890	00015	50	02884
801	2+	00852	29412	20	00861	28402	50	00743	28203	13	00853
321	86	02754	27325	56	01764	31184	04	47290	24141	53	45372
299	77	00753	30313				50	01753	26303	5-	05656
292	8-	02956	28227	54	01773	30113	5-	01764	00004	50	08464
310	--	01656	24416								
614	83	05655	27326	86	05664	24385	50	05664	24314	04	47390
333	26	01844	28414	26	01951	27314	05	01890	30103	54	00841
334	--	02755	28216	--	02754	28216					
340	2-	02856	18860	40	00952	30302	03	00790	00001	54	00741
136	26	01753	31383	26	01862	02315	5-	02856	28316	03	05690
338	51	01762	24415	04	41820	14412					
350	86	02765	28416	26	26383	15664	00	05690	26210	00	41490
368											
379	80	01854	28414	26	00852	28312	01	05690	28302	00	00790
390	8-	02767	26327	86	01763	26284	00	05690	28210	00	05690
382	80	02953	29415	40	00863	27313	00	05690	00000	00	00790
438	80	01854	24414							50	01753
430	20	01964	28314	46	00971	28211	00	00690	28200	00	00790
409	10	00852	32312	14	00951	32201	04	00790	00001	03	01890

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



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 31st August, 1941.
1 S.E. England	
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light variable or S. wind. Fair. Local morning fog. warmer.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	Light variable wind becoming south light or moderate. Fair at first.
13B. N.W. Scotland	Slight rain locally later. Warmer.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Light or moderate south wind. Cloudy. Local rain. Local coast fog.
18 N. E. Ireland	Warmer.
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

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.

GENERAL INFERENCE.  
 An anticyclone centred over S.W. England is moving slowly east. Weather will be fair in most districts but there will be occasional rain in West Ireland extending later to East Ireland and West Scotland.

FURTHER OUTLOOK.  
 Mainly fair for several days in the South and Midlands. becoming unsettled in the North.

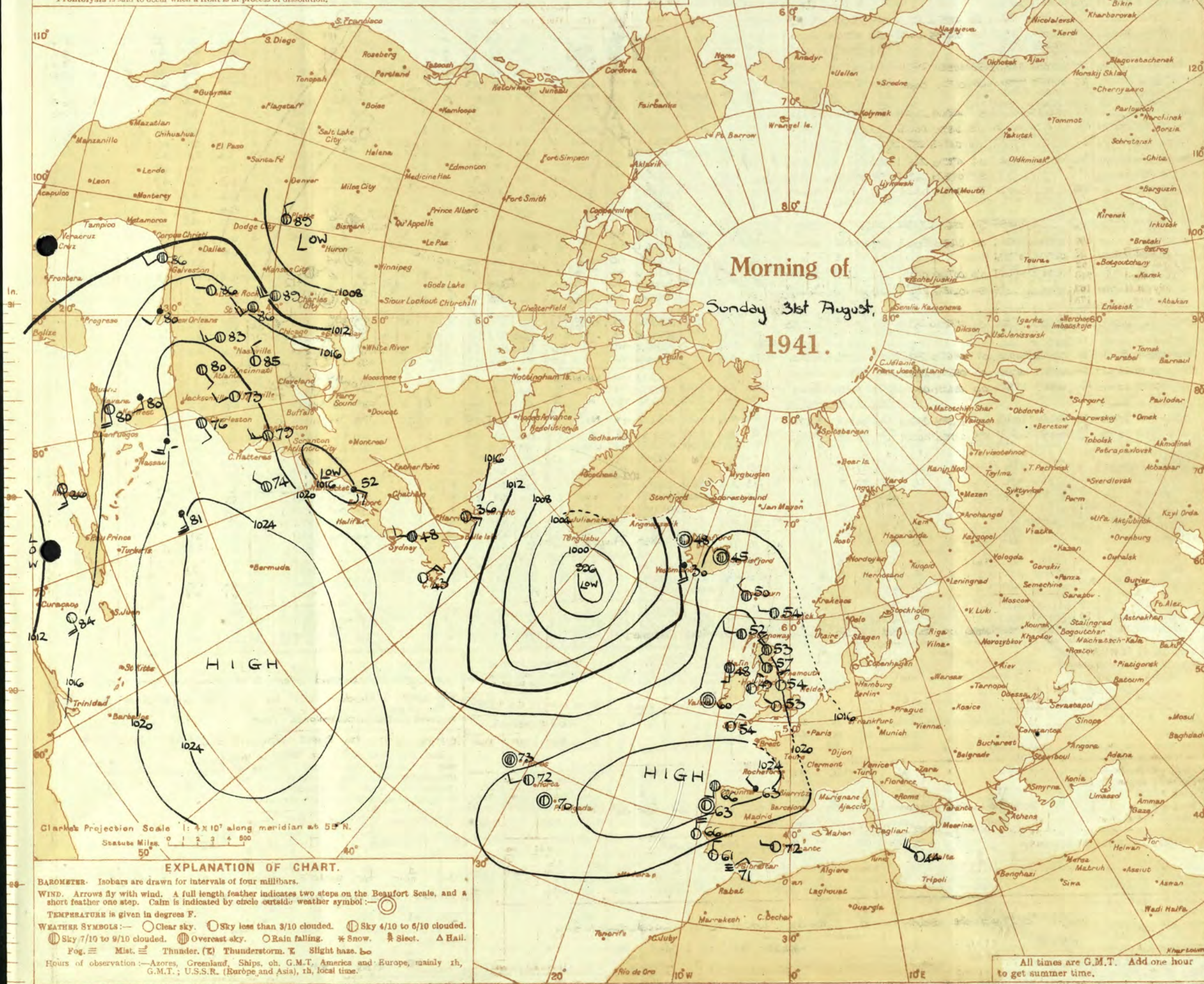
Forecasts issued at 10.30h. G.M.T.  
 H.M.S.O. Press, Meteorological Office, Dunstable.  
 N. K. JOHNSON, D.Sc., A.R.C.S., Director.  
 6269/4120. No. 8176. D. 6034. 6p. 348. 8300. 3/41.



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

Explanation of Symbols and Lines shown on Charts

(The symbols used to indicate fronts are shown at the foot of page 2.)  
**Warm Front.** The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.  
**Cold Front.** The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.  
**Occlusion.** The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.  
**Frontogenesis.** A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.  
**Frontolysis** is said to occur when a front is in process of dissolution.





# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 31st August															OBSERVATIONS at 7 hr. G.M.T. 31st August															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			State of Ground.	Sea.	TEMPERATURE.			RAINFALL.			SUNSHINE Hrs.						
					Dir.	Force.					Form.	Amount.	Height of Base (feet).			Dir.	Force.					Form.	Amount.	Height of Base (feet).			Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.								
																																0-12		0-10	0-10	0-9	0-9	0-9	0-9
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	*	1024.6	+16	-	0	20	53	92	6	-	-	0	0	-	1	*	66	50	37	-	-	Tr	7.6				
	Croydon ...	217	1021.3	+18	NW	2	b	53	92	6	-	-	-	1024.1	+12	NW	1	20	52	97	6	-	-	0	0	-	1	*	67	47	44	-	-	Tr	8.1				
	S. Farnborough ...	226	1021.7	+18	NW	2	b	51	92	8	-	-	-	1024.8	+16	NW	1	20	49	92	8	-	-	0	0	-	1	*	68	46	42	-	-	Tr	9.2				
	Boscombe Down ...	417	1022.3	+20	NWN	2	z	51	85	7	-	-	-	1025.1	+14	NW	1	20	48	97	6	-	-	0	Tr	-	0	*	67	45	39	-	-	Tr	10.5				
	Thorney Island ...	10	1021.6	+18	NW	2	z	52	92	6	-	-	-	1024.2	+12	NW	2	20	51	97	7	-	-	0	0	-	0	*	70	48	43	-	-	-	*				
	Lymington ...	346	1020.1	+32	NW	3	z	53	97	6	-	-	-	1023.3	+12	NNE	2	20	53	97	4	-	-	10	10	100	1	2	66	48	42	Tr	1	-	6.8				
	Manston ...	154	1020.3	+18	NW	2	z	54	92	6	-	-	-	1023.7	+14	NNW	2	20	50	97	6	-	-	7.8	7.8	800	0	*	67	51	44	0.1	-	-	7.2				
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	1024.1	+18	NW	1	20	53	97	4	-	-	10	10	1500	1	2	68	49	40	2	-	-	5.7				
	Felixstowe ...	15	1019.4	+18	NW	3	b	54	85	7	-	-	-	1023.3	+22	NW	2	20	52	92	6	-	-	1	Tr	450	1	2	66	50	46	5	-	-	7.5				
	Gorleston ...	5	1019.2	+16	NW	2	c	55	92	6	-	-	-	1022.7	+18	NW	2	20	54	75	7	-	-	2.3	2.3	2500	0	2	64	53	43	-	-	-	*				
	Mildenhall ...	19	1020.5	+18	N	1	bc	50	97	5	-	-	-	1023.7	+16	WSW	1	20	50	97	5	-	-	9	9	5700	1	*	66	45	38	2	-	-	3.8				
	Cranwell ...	240	1020.7	+16	NWN	2	bc	53	85	6	-	-	-	1023.4	+14	-	0	20	52	92	5	-	-	0	0	-	1	*	67	49	47	-	-	Tr	4.8				
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	1024.7	+14	-	0	m	49	92	4	-	-	0	0	-	1	*	64	47	34	-	-	Tr	10.4				
	Upper Heyford ...	408	1021.4	+18	NW	3	z	51	92	6	-	-	-	1024.4	+16	-	0	z	50	92	6	-	-	0	0	-	1	*	65	47	*	-	-	-	*				
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	1024.7	+12	WSW	1	b	46	92	8	-	-	0	0	-	0	*	66	42	38	-	-	-	10.2				
5	Hartland Point ...	299	1022.8	+16	N	2	bc	57	92	8	-	-	-	1024.7	+10	N	3	bc	57	85	8	-	-	Tr	4.6	2500	0	3	61	55	51	-	-	-	11.6				
	Bristol ...	209	1022.5	+14	N	1	bc	52	97	7	-	-	-	1025.1	+12	-	0	bc	50	97	8	-	-	1	0.2	-	1	*	68	45	36	-	-	-	9.6				
	Portland Bill ...	32	1022.4	+20	NNW	2	b	58	92	8	-	-	-	1023.8	+10	NW	2	b	58	85	8	-	-	0	0	-	1	3	67	55	*	-	-	-	*				
	Plymouth ...	82	1023.5	+4	-	0	bc	52	97	6	-	-	-	1025.6	+10	NW	1	b	50	97	6	-	-	Tr	7.8	100	1	1	68	48	42	-	-	-	11.9				
	The Lizard ...	240	1023.3	+12	N	3	bc	54	97	8	-	-	-	1025.7	+16	-	0	bc	54	97	8	-	-	2.3	2.3	2500	0	1	69	52	*	Tr	-	-	9.4				
	Scilly (St. Mary's) ...	163	1023.4	+2	NEN	1	b	54	97	8	-	-	-	1025.0	+10	E's	2	bc	55	97	8	-	-	2.3	2.3	1800	1	2	62	51	*	0.3	-	-	7.4				
	Guernsey ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
6	Pembroke ...	142	1023.3	+18	NW	3	bc	56	92	8	-	-	-	1026.3	+4	NE'E	2	bc	55	97	8	-	-	0	4.6	-	0	2	63	52	*	-	-	-	12.6				
7	Holyhead (Valley) ...	26	1022.7	+18	NNE	1	z	49	97	6	-	-	-	1023.8	+8	SE	1	bc	51	97	8	-	-	Tr	4.6	3000	0	1	64	44	*	-	-	-	*				
	Chester (Sealand) ...	16	1022.1	+16	NW	2	bc	51	92	7	-	-	-	1024.2	+10	-	0	b	48	92	8	-	-	Tr	1	3000	1	*	63	43	37	0.2	-	-	8.0				
8	Manchester ...	70	1021.7	+20	WSW	1	z	54	97	6	-	-	-	1024.3	+18	-	0	m	50	97	4	-	-	0	4.6	-	1	*	65	47	40	Tr	-	-	9.3				
10	Spurn Head ...	29	1020.1	+20	NW	3	b	54	92	7	-	-	-	1023.0	+12	NW	3	z	56	85	6	-	-	Tr	3.4	4000	0	3	63	53	*	-	-	-	5.3				
	Catterick ...	175	1021.3	+18	0	0	bc	50	97	3	-	-	-	1023.6	+14	-	0	z	48	97	6	-	-	1	2.3	3500	0	*	66	44	37	Tr	-	-	2.8				
	Tynemouth ...	108	1021.0	+14	NW	2	c	57	75	6	-	-	-	1022.4	+8	N	2	c	56	85	6	-	-	4.6	7.8	3400	1	2	62	55	50	Tr	-	-	*				
11	St. Abbs Head ...	280	1020.7	+28	N	1	bc	56	85	8	-	-	-	1022.5	+8	NW	1	c	55	85	9	-	-	7.8	9.4	3100	0	1	61	53	*	0.1	-	-	*				
	Leuchars ...	36	1020.0	+18	N	2	c	53	97	9	-	-	-	1022.5	+18	E	2	bc	53	85	8	-	-	4.6	4.6	4500	0	*	65	50	44	-	-	-	2.1				
12	Renfrew (Abbots) ...	19	1010.8	+14	WSW	3	b	51	85	6	-	-	-	1023.2	+4	WSW	1	z	47	97	7	-	-	1	2.3	4000	0	*	66	43	34	-	-	-	11.6				
	Beckdamuir ...	794	*	*	*	*	*	*	*	*	*	*	*	1023.8	+10	-	0	f	40	92	2	-	-	10	10	1500	1	*	66	38	31	Tr	-	-	8.6				
	Point of Ayre ...	30	1021.7	+16	NNW	4	b	55	92	8	-	-	-	1023.5	+10	N	1	bc	51	97	8	-	-	1	2.3	2500	0	1	63	46	*	-	-	-	11.4				
13A	Tiree ...	22	1021.6	+4	-	0	bc	50	92	8	-	-	-	1022.4	+8	-	0	bc	52	92	8	-	-	2.3	4.6	3500	0	2	61	46	*	Tr	-	-	7.5				
13B	Stornoway ...	80	1020.9	+6	N	2	c	52	92	7	-	-	-	1021.9	+4	SW	2	c	55	85	8	-	-	4.6	9.4	2500	1	1	58	51	*	-	-	-	0.2				
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	1022.7	+14	S	1	c	44	97	8	-	-	9.4	9.4	2500	1	*	57	36	29	0.2	-	-	0.2				
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	1022.0	+4	NW	1	c	54	85	8	-	-	9.4	9.4	2600	1	1	61	52	49	2	-	-	3.1				
	Wick ...	119	1019.6	+14	NW	3	c	54	97	8	-	-	-	1021.7	+14	NW	2	bc	53	92	9	-	-	4.6	4.6	4000	1	*	61	51	*	*	*	*	*				
16	Sumburgh ...	30	1017.0	+14	NW	3	c	54	97	7	-	-	-	1019.3	+10	NW	4	c	54	92	8	-	-	9.4	9.4	2500	*	*	61	53	52	*	*	*	*				
17	Blackod Point ...	18	1020.5	0	NW	1	c	53	92	8	-	-	-	1021.3	+4	S	4	id.	58	97	7	-	-	10	10	1500	1	3	64	53	*	Tr	-	-	*				
18	Malin Head ...	34	1021.4	+6	S	1	bc	48	75	8	-	-	-	1021.9	-2	S'E	1	c	53	85	8	-	-	4.6	7.8	5700	0	2	62	46	*	Tr	-	-	5.4				
	Aldergrove ...	268	1022.6	+10	-	0	b	45	97	7	-	-	-	1023.6	+2	-	0	b/f	45	97	8	-	-	Tr	1	5000	1	*	61	42	35	-	-	-	3.4				
19	Birr Castle ...	173	1021.8	+10	N	1	b	52	92	8	-	-	-	1022.8	+8	S	1	c	55	85	8	-	-	7.8	9	4000	0	*	68	51	47	-	-	-	8.2				
20	Valentia Obey ...	30	1021.3	+2	-	0	bc	60																															