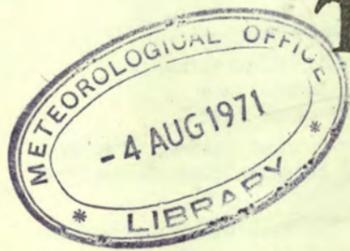


DUPLICATE

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.) 30° E. to 40° W. 40° W. to 170° W.	7h. local time. 6h. or 7h. G.M.T. (Azores 8h.) 0h. 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.) 30° E. to 170° W.	7h. local time. 0h. 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:—

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

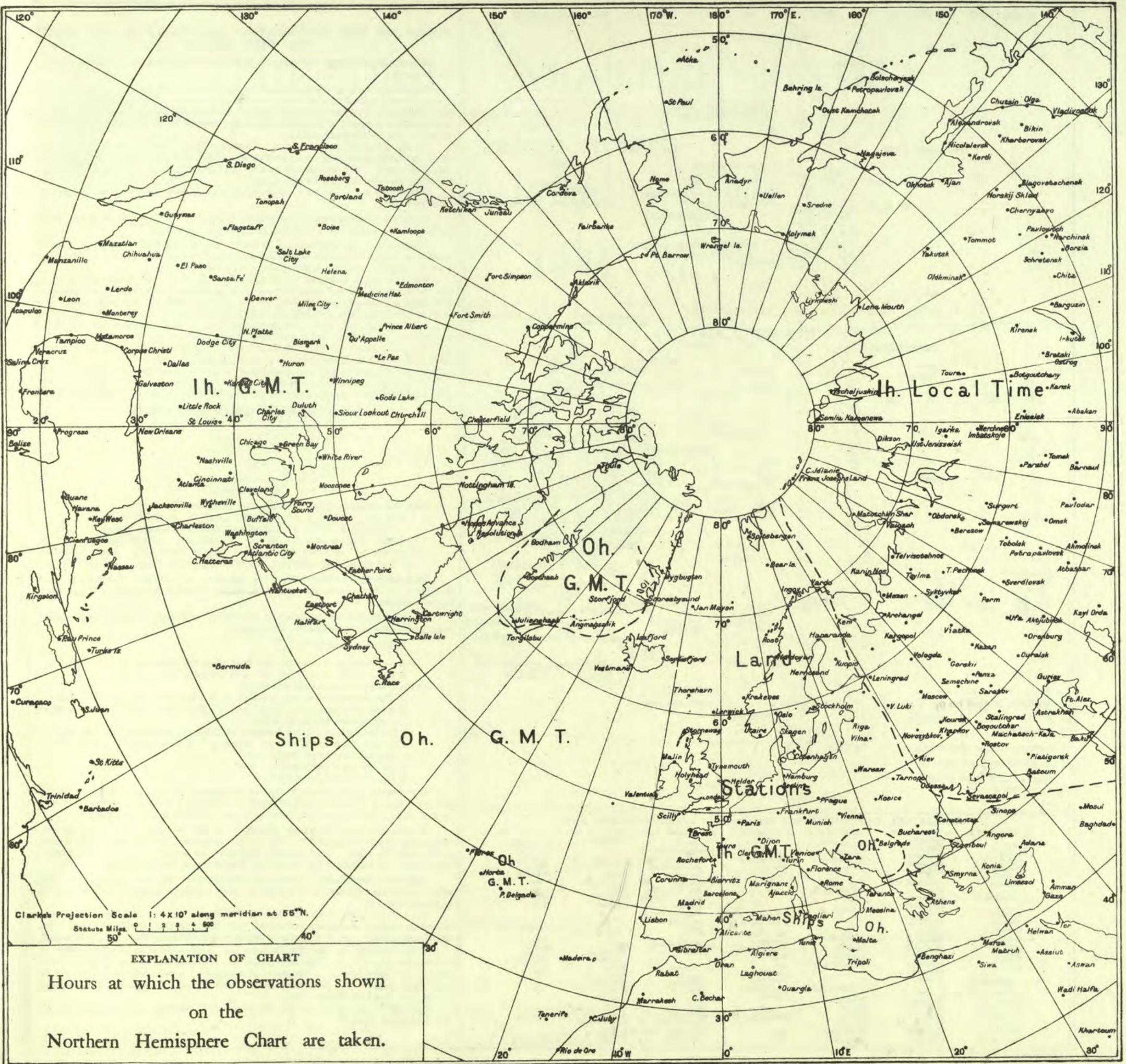
The districts to which warnings are sent are shown in the Report by the following symbols written on page 2 against the forecast districts to which they apply:—

▲ 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.



Clark's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 5
 50°

EXPLANATION OF CHART

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



Stations printed on pp. 1 and 4 are shown in capitals—**LERWICK**. Stations whose observations are given on page 2 are shown thus:— II5 Cape Wrath.

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 Rannoch through Fort Augustus, Beaulieu and Lairg to Melvich.)	16. Orkneys and Shetlands.	19. Ireland, S.E. Waterford. Wexford. Kilkenny. Carlow. Wicklow. Offaly. Lix. 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.	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.	6. Wales, S. Glamorgan. Brecknock. Carmarthen. Pembroke. Cardigan. Radnor.	10. England, N.E. Yorkshire, N. & E. Durham. Northumberland.	15. Scotland, N.E. Kincardine. Aberdeen. Banff. Elgin. Nairn. Cathness. Eastern parts of Inverness, Ross, Sutherland.	18. Ireland, N.E. Meath. West Meath. Longford. Cavan. Fermanagh. Monaghan. Louth. Armagh. Down. Antrim. Londonderry. Tyrone. Donegal.		
	7. Wales, N. Montgomery. Merioneth. Flint. Denbigh. Carnarvon. Anglesey.	11. Scotland, S.E. Roxburgh. Selkirk. Peebles. Berwick. Haddington. Edinburgh.	13A. Scotland, W. Argyll. Bute.			

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.

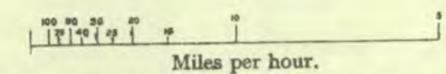
The wind at a height of 1,500–2,000 feet above ground usually blows along the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, e.g., for isobars 1 inch apart for the chart on Page 2 the speed of the upper 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 × 10⁷ Charts.
or 2 mb " " 1 : 10⁷ " "



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:—

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

$$x = f - .444(t - t')$$

$$x = f - .400(t - t')$$

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.

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY
SUPPLEMENT,

September 1941 No. 297.

The month was marked by the prevalence of local night and morning fog which was reported from some part of the country on every day except one, and on several occasions fog persisted throughout the day in southwestern coastal districts.

Up till the last week pressure was fairly high, and quiet, settled conditions prevailed with exceptionally low rainfall amounts, an absolute drought being experienced in several districts in South and East England between 6th and 26th. On the 24th, however, the country came under the influence of a deepening low pressure system on the Atlantic, and a general fall in pressure commenced. Conditions were then rather unsettled, particularly in the West and troughs of low pressure moved eastwards over the British Isles. Some heavy falls of rain were then recorded, notably 31 mm at Valentia on the 25th and a similar amount at Pembroke on the 26th.

On the 24th and 26th gales were experienced at exposed coastal places in West Ireland and Northwest Scotland.

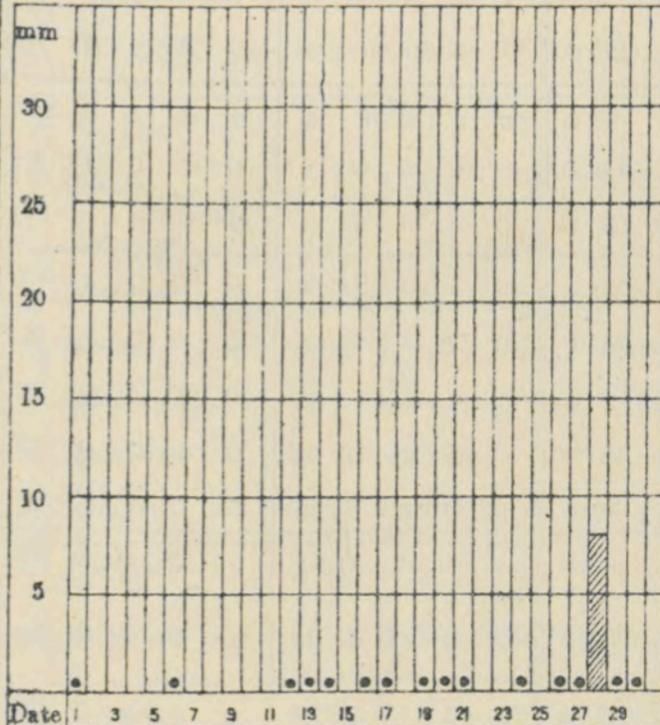
Day temperatures in the main were above average with rather warm conditions locally from the 2nd to the 4th, and on the latter date a max. of 81°F was recorded at Mildenhall. On the 14th there was a temporary onset of colder air which caused local ground frosts in inland districts on the mornings of 15th, 16th and 17th.

Thunderstorms were infrequent, being reported on only four widely separated occasions, but there was local lightning and thunder in several districts during the first and last weeks and also in mid-month.

Sunshine totals were everywhere below average except in Southwest Ireland. At Cronwell a new low record was created, with only 77 hours of sun compared with the previous lowest of 87 hours in 1931.

New low records were also established for rainfall amounts. Lymington and Shoeburyness each had only 5 mm compared with their previous low record of 8 mm in 1928. Sealark had 9 mm, the previous record being 12 mm in 1933, and Lynnmouth 18 mm compared with 22 mm in 1921. At Aberdeen the lowest recorded amount in September was 14 mm in 1897 and this was equalled this year.

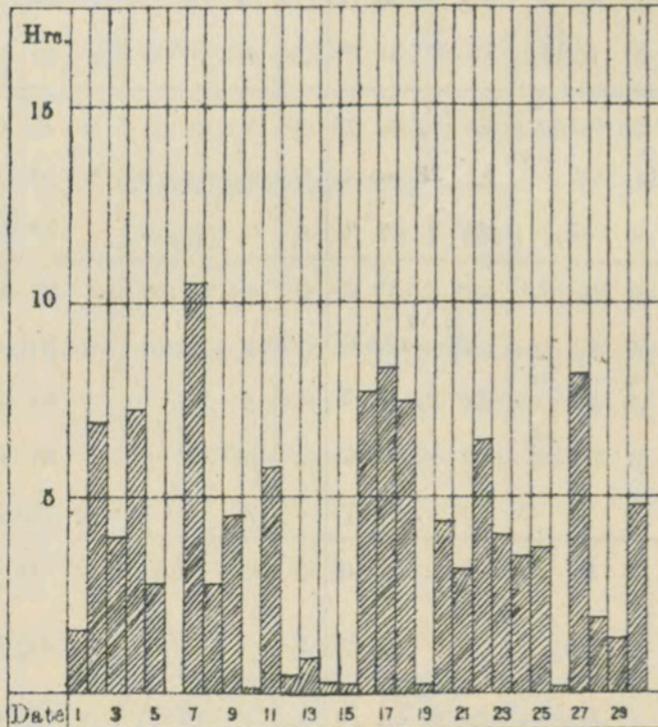
Daily Rainfall at Kew Observatory.



● = Less than 0.5 mm.

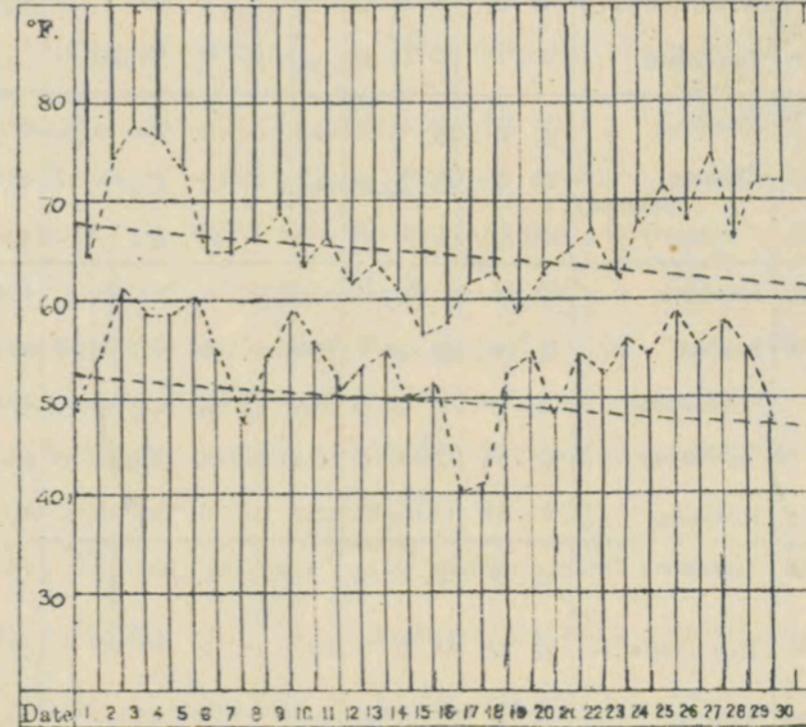
RAINFALL. Total for Month. 8.4 mm.

Daily Sunshine at Kew Observatory



SUNSHINE. Total for Month. 114.4 hrs.

Daily Range of Temperature at Kew Observatory.



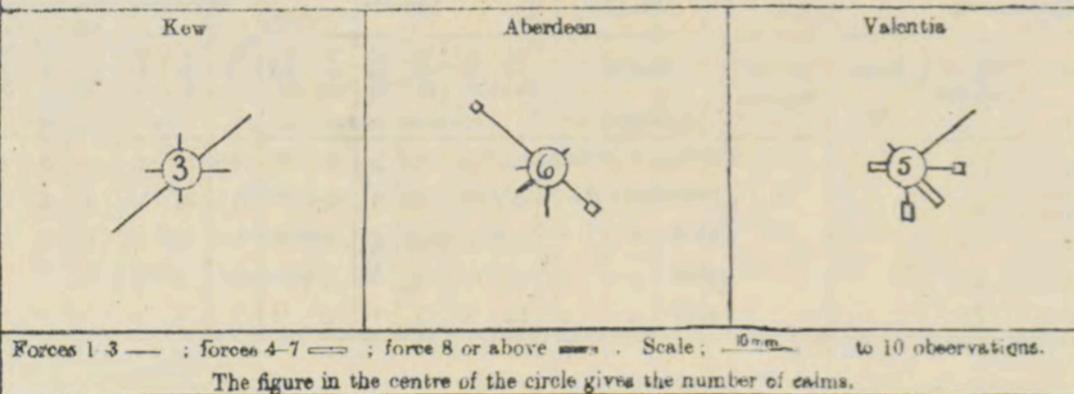
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
Kew	mb. 1023.7	mb. +6.3	°F. 59.8°	+1.3°
Aberdeen	1022.2	+7.7	55.5°	+2.3°
Valentia	1022.5	+6.0	59.5°	+2.9°

* 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	3,718
Aberdeen	3,644
Lerwick	11,454
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.						Extremes—Warmest and Coldest.						Number of observations within fixed limits.						Number of observations within fixed limits.						
		Maximum.			Average Maximum.	Minimum.			Average Minimum.	Days.		Nights.		Number of Ground Frosts.	7 h.		13 h.		18 h.		7 h.			13 h.		
		42°-50°	51°-59°	60°-68°		69°-77°	78°-86°	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.
1	London (Kew Obay). Croydon	0 3 20 6 1	65.7	0 2 5 21 2	51.3	76 3 57 15	61 3 40 17	0	1 23 0	0 25 0	0 23 1	0 2 4 4 2	0 0 0 1 12													
5	Thorney Island	0 0 19 11 0	65.2	0 3 9 16 2	52.2	77 4 60 15	60 26 40 18	0	6 13 4	2 23 2	1 19 3	0 1 1 4 3	0 0 1 0 17													
1	Lympne	0 4 17 9 0	64.1	0 0 16 14 0	50.3	75 4 57 16	59 28 43 17	0	5 15 3	3 24 0	3 11 3	0 0 7 2 6	0 0 0 0 14													
2	Shoeburyness	0 1 22 7 0	66.5	0 0 8 20 2	50.5	75 2 53 15	61 3 43 18	0	5 20 3	5 22 3	4 15 3	0 1 2 5 6	0 0 0 2 11													
	Gorleston	0 6 22 2 0	64.2	0 0 8 20 2	52.0	72 2 57 7	60 27 43 5	0	5 19 0	2 21 0	5 20 0	0 3 0 1 10	0 0 0 3 13													
	Cranwell	0 3 18 8 1	64.1	0 1 10 13 0	48.2	73 4 56 15	57 2 38 16	0	7 17 0	5 23 1	1 24 0	0 4 1 4 4	0 0 0 0 15													
3	Birmingham (Edgbaston)	0 6 17 6 1	62.8	0 1 8 21 0	49.7	78 4 57 20	58 4 41 16	2	12 12 0	5 25 0	2 22 0	0 3 4 6 4	0 0 0 1 12													
4	Ross-on-Wye	0 2 19 9 0	64.3	2 8 19 1 0	49.2	77 4 57 21	60 6 36 16	0	12 15 0	3 24 0	2 22 0	0 6 3 3 8	0 0 0 1 17													
6	The Lizard	0 0 30 0 0	*	0 0 0 30 0	*	68 10 60 27	55 10 51 14	*	9 21 0	5 25 0	7 22 0	0 5 0 6 19	0 3 0 4 19													
7	Holyhead	0 0 24 5 1	60.5	0 0 7 21 2	52.7	78 5 60 30	60 26 44 22	0	3 22 0	4 26 0	5 18 0	0 0 2 4 13	0 0 0 0 18													
8	Chester (Sealand)	0 0 23 5 2	63.5	0 1 9 18 2	48.1	79 4 60 14	61 28 40 15	0	6 21 0	4 25 1	1 22 0	0 1 5 6 3	0 0 0 1 8													
10	Tynemouth	0 12 14 14 0	60.3	0 0 5 25 0	50.1	71 2 52 11	59 2 45 16	*	2 27 0	1 29 0	0 28 0	0 1 4 4 5	0 0 1 1 14													
11	Leuchars	0 7 19 4 0	60.6	0 1 7 21 1	45.8	77 4 56 22	60 2 37 15	0	4 24 0	2 27 0	3 22 2	0 1 0 3 15	0 0 0 1 23													
12	Renfrew	0 4 20 6 0	60.4	0 2 10 18 0	45.6	73 4 57 15	58 26 28 38 17	0	8 21 0	3 21 1	2 25 1	0 2 2 4 9	0 0 0 2 15													
	Eskdalemuir	0 9 18 3 0	58.0	0 4 16 10 0	43.4	70 5 55 30	58 28 38 3	1	9 20 1	7 23 0	7 19 0	0 1 6 1 18	0 0 1 0 20													
13	Stornoway	0 13 17 0 0	56.8	0 0 8 22 0	47.1	64 8 55 15	58 9 45 16	*	0 30 0	1 29 0	2 28 0	0 0 0 0 28	0 0 0 0 29													
15	Aberdeen	0 15 12 3 0	59.3	0 3 9 18 0	47.1	73 3 54 10	57 2 40 7	0	11 16 2	6 23 0	6 21 0	0 0 1 1 10	0 0 1 0 21													
18	Aldergrove	0 3 21 6 0	*	0 1 11 17 1	*	73 6 58 30	60 1 41 21	0	13 16 0	3 26 0	3 21 0	0 1 0 4 18	0 0 0 0 15													
19	Birr Castle	0 0 22 8 0	61.7	0 1 9 19 1	47.9	75 4 60 30	61 1 38 19	0	1 24 0	0 28 0	0 23 0	0 0 1 0 29	0 0 0 0 30													
20	Valentia (Cabiriveen)	0 0 24 6 0	61.2	0 0 7 21 2	52.0	75 4 60 23,30	61 26 43 19	0	5 23 0	3 26 0	6 19 0	0 0 1 0 24	0 0 0 0 27													

UPPER AIR TEMPERATURE.

UPPER WINDS.

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

Pressure. mb.	Normal Height. Feet.	MILDENHALL.		ALDERBOVE.		STATION		LYMPNE.						PLYMOUTH (Mt. Batten).					HOLYHEAD.					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.	kilometres per hour.					No. of Obs.	kilometres per hour.					No. of Obs.	kilometres per hour.					No. of Obs.	kilometres per hour.					Height. Metres.
											6 to 25	26 to 50	51 to 75	76 to 100	Above 100		6 to 25	26 to 50	51 to 75	76 to 100	Above 100		6 to 25	26 to 50	51 to 75	76 to 100	Above 100		6 to 25	26 to 50	51 to 75	76 to 100	Above 100	
950	1860	54.4	54.3	60	54.7	59	500 above ground.	126	66	55	3	0	0	55	33	21	0	0	0	14	8	6	0	0	0	71	28	38	4	0	0	500 above ground.		
880	4870	45.3	43.2	60	47.7	58	1000 above M.S.L.	100	55	37	3	0	0	37	16	21	0	0	0	11	8	3	0	0	0	46	21	21	4	0	0	1000 above M.S.L.		
750	8210	37.3	43.4	60	43.1	55	2000 "	59	31	25	2	0	0	22	10	11	0	0	0	4	2	2	0	0	0	9	5	4	0	0	0	2000 "		
660	11960	26.3	33.3	60	33.2	58	3000 "	33	17	12	3	0	0	16	9	5	2	0	0	1	1	0	0	0	0	4	0	2	1	1	0	3000 "		
550	16200	12.5	18.9	60	20.0	58	4000 "	16	8	7	1	0	0	9	2	6	1	0	0	1	1	0	0	0	0	2	0	1	0	1	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

September 1941

DISTRICT.	STATIONS.	SUNSHINE.										RAINFALL.										Days with Thunder.	Days with Snow or Sleet.														
		Number of Days with Duration.					Maximum Duration.		Highest and Lowest Totals on record for Month.			Number of days with amount.					Maximum fall in 24 hrs.		Highest and Lowest Totals on record for Month.																		
		Nil.	0-1-3h.	3-1-6h.	6-1-9h.	Above 9h.	Hours.	Date.	Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	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.	Total for past 12 months.	Difference from Average.	Total for Month. †	Difference from Average.	First year of record.	Highest.	Year.	Lowest.	Year.	
1	London (Kew Obsy). Croydon Thorney Island Lympe	1	12	9	7	1	10.5	7	1370	-30	113	-33	1880	22.4	1911	90	1936	28	1	0	1	0	0	0	9	28	856	+250	9	-39	1856	145	1918	4	1929	0	0
2	Shoeburyness Gorleston Oranwell	4	11	5	10	0	8.8	27	1507	-209	108	-55	1919	23.7	1928	108	1936	26	2	2	0	0	0	0	2	28	587	+84	5	-37	1920	93	1930	8	1928	0	0
3	Birmingham (Edgbaston)	8	11	8	2	1	10.2	4	1157	-147	82	-42	1887	21.6	1895	67	1909	23	3	3	1	0	0	0	5	5	951	+277	17	-29	1893	165	1918	12	1895	0	0
4	Ross-on-Wye	3	10	9	7	1	10.6	15	1346	-139	108	-28	1915	20.5	1929	91	1936	25	1	0	4	0	0	0	12	1	844	+127	31	-18	1859	174	1876	2	1865	3	0
5	Falmouth (Observatory)	4	9	5	8	4	11.3	12	1668	-42	137	-21	1881	23.5	1906	99	1932	26	1	1	2	0	0	0	11	27	1245	+138	23	-51	1871	206	1918	9	1895	0	0
7	Holyhead												1914	20.3	1933	107	1916	22	3	4	1	0	0	0	9	27	804	+83	31	-37	1871	188	1918	7	1894	0	0
8	Chester (Sealand)	5	13	7	2	3	10.7	3	1326	-50	91	-39	1928	17.4	1933	80	1936	24	3	3	0	0	0	0	4	28	693	+55	9	-40	1922	118	1935	12	1933	0	0
10	Tynemouth												1935	*	*	*	*	25	2	2	1	0	0	0	9	28	736	+115	18	-28	1915	115	1918	22	1921	0	0
11	Leuchars	9	7	8	4	2	11.1	3	1139	-331	95	-44	1922	16.1	1928	82	1936	21	7	0	2	0	0	0	11	26	730	+77	24	-25	1922	126	1927	13	1929	0	0
12	Renfrew Eskdalemuir	8	11	9	2	0	8.9	3	1046	-147	75	-43	1921	15.2	1928	73	1936	22	3	1	4	0	0	0	7	26	956	+17	38	-28	1921	157	1935	16	1933	1	0
13B	Stornoway	8	10	9	2	1	10.7	5	1078	-123	84	-27	1910	15.3	1933	75	1931	20	4	1	4	1	0	0	19	25	1365	-64	67	-27	1910	242	1918	25	1910	0	0
15	Aberdeen	7	12	3	8	0	7.9	19	1189	-26	89	-21	1881	17.5	1903	73	1887	16	4	7	3	0	0	0	9	28	946	+320	43	-57	1870	201	1900	12	1894	0	0
18	Aldergrove	5	14	8	3	0	8.5	3	1130	-199	75	-51	1881	19.9	1906	57	1881	20	7	2	1	0	0	0	5	28	865	+117	14	-42	1871	162	1927	14	1894	0	0
19	Birr Castle	3	15	7	3	2	11.5	3	1117	*	98	*	1927	17.5	1933	96	1931	20	5	4	0	1	0	0	16	27	875	+37	35	-28	1926	143	1934	13	1933	0	0
20	Valentia (Cahiriveen)	2	10	12	6	0	8.6	28	1139	-167	106	-13	1881	18.2	1895	80	1908	21	5	2	2	0	0	0	7	26	841	+17	25	-33	1862	172	1924	8	1894	0	0
		4	9	4	6	7	11.0	12	1464	+36	151	+24	1880	20.5	1933	78	1922	16	7	3	3	0	1	0	31	25	1475	+61	69	-36	1866	253	1875	24	1909	0	0

MINIMUM SURFACE HUMIDITY.											STATE OF GROUND AT 18 h.												
No. of Days (M.D. to M.D.) with Minima between Fixed Limits.											No. of Days Each Type was Recorded.												
STATIONS.	95 to 100 %	90 to 94 %	80 to 86 %	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	1	8	12	8	1	0	0		0	London (Kew)	17	13	0	0	0	0	0	0		0
Ross-on-Wye	0	0	3	13	8	6	0	0	0	0	Ross-on-Wye	17	13	0	0	0	0	0	0	0	0	0	1 Wet.
Falmouth (Obsy.)	4	4	13	5	3	1	0	0	0	0	Renfrew	21	8	0	0	0	0	0	0	0	0	0	2 Flooded.
Renfrew	0	0	4	7	13	6	0	0	0	0	Eskdalemuir	17	13	0	0	0	0	0	0	0	0	0	3 Frozen hard and dry.
Eskdalemuir	0	1	3	5	13	8	0	0	0	0	Aberdeen	19	11	0	0	0	0	0	0	0	0	0	4 Partly covered with snow or hail.
Aberdeen	0	2	6	8	7	7	0	0	0	0	Valentia												5 Covered with ice or glazed frost.
Valentia																						6 Covered with thawing snow.	

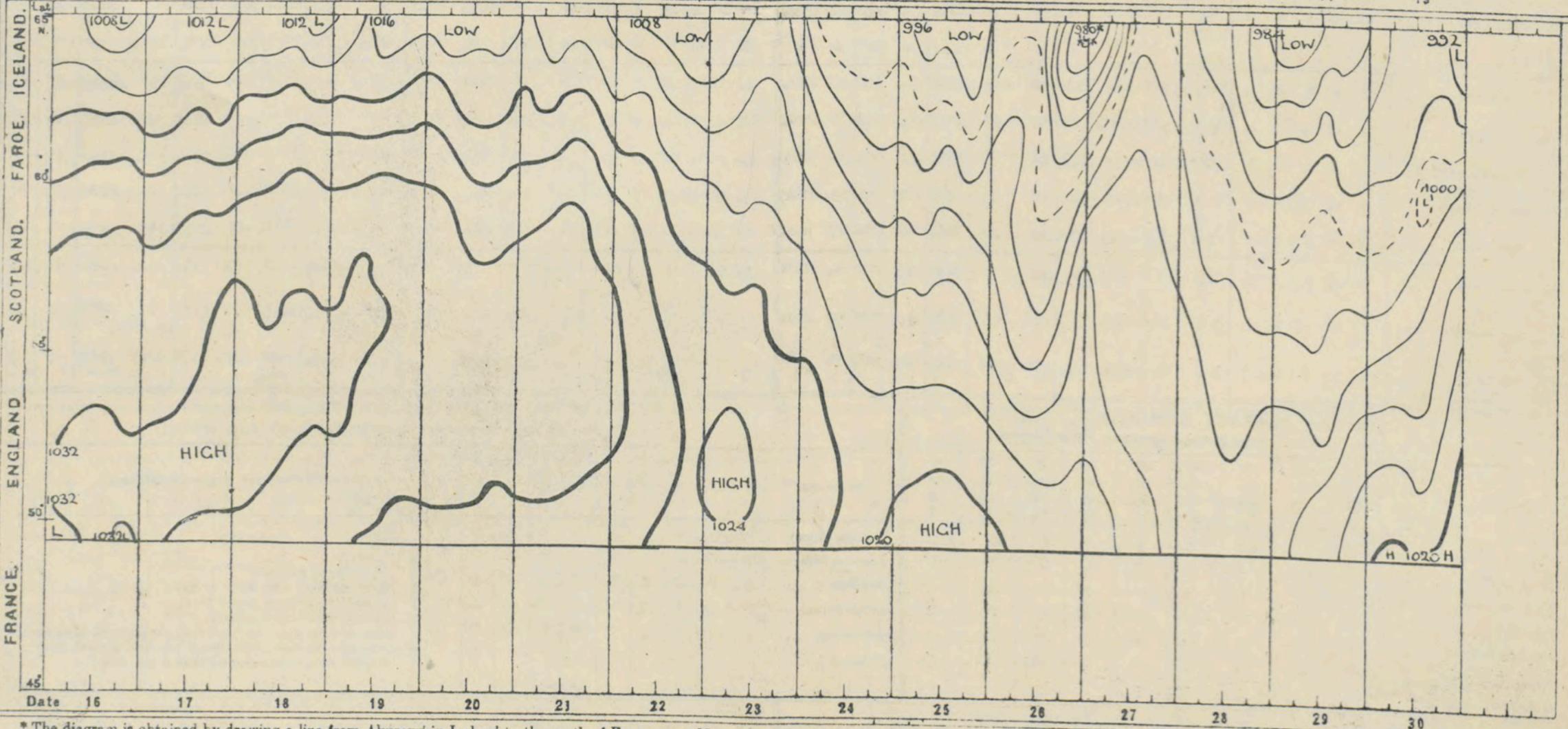
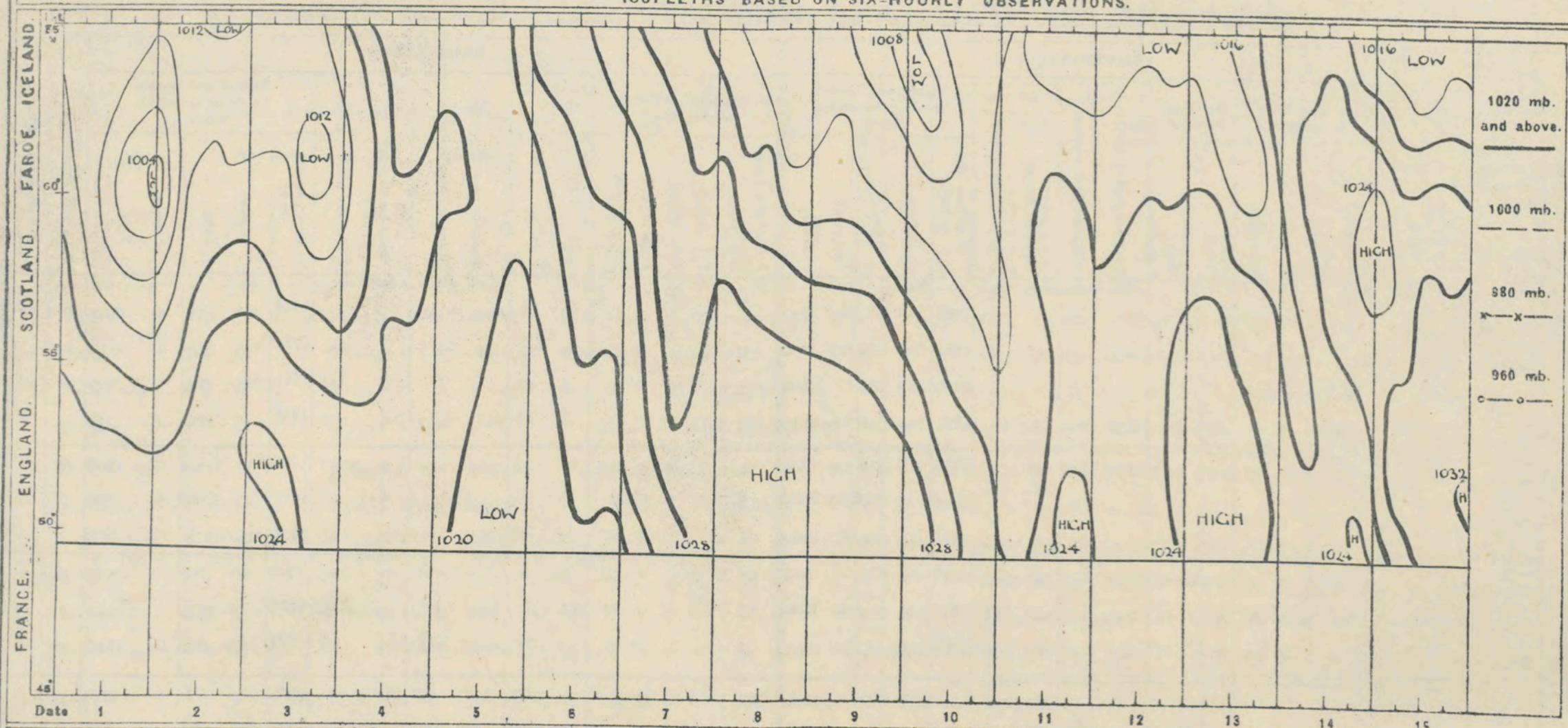
† Based in part on reports made by telegraph in which the day and night measurements are rounded off to the nearest whole millimetre. Small discrepancies may arise between these totals and those given in the Monthly Weather Report which are based on readings taken to 0.1 mm.

PRESSURE: ICELAND TO GULF OF LIONS

September

1941

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



* The diagram is obtained by drawing a line from Akureyri in Iceland to the south of France near Marseille. The points at which the isobars drawn for 4 mb. pressure intervals intersect this line at the 7h., 13h. and 18h. are plotted consecutively and joined to show the variation of pressure from day to day at any point in the line. The line terminates at Lat. 66° N., Long. 18° W., in the north; at Lat. 44° N., Long. 4° E., in the south.

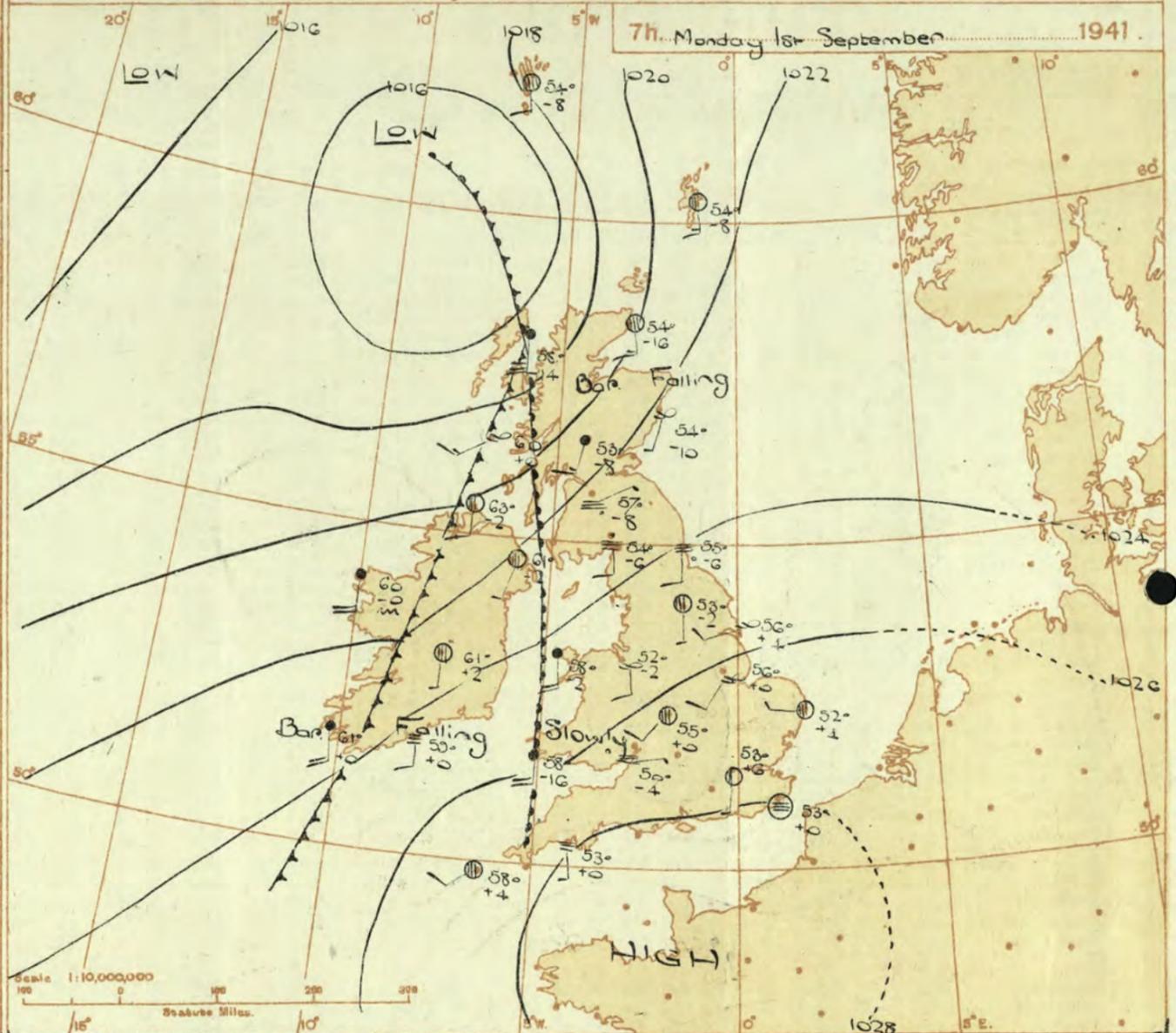
Abridged observations of additional stations in the

AVIATION WEATHER CODE

13h. G.M.T. Dec. August 1941				18h. G.M.T.				01h. G.M.T. 1st September				07h. G.M.T.			
III	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN
109	7	02355	25425	50	01952	30223	5-	02854	12124	57	62753	14468			
115	52	02944	22227	54	02944	22225	54	02844	12127	52	62748	16288			
203	8	02848	06228	8-	02847	04227	5-	02848	12328						
206	73	01963	08224	73	01962	08214	53	02864	00025	02	52638	00068			
210	5-	01964	32324	03	01960	06314	03	01890	12214	02	58658	14168			
220	13	01954	19305	52	02845	15318				5-	63728	22568			
230	13	01951	22218	17	02861	00027	57	02855	00028	5-	52648	00058			
245	70	01963	12418	54	01861	14215	03	05690	04211	02	62658	23158			
260	13	00862	00018	47	02861	22216	57	05663	00015	5-	02778	00018			
278	14	00851	10311	07	02890	12327	5-	02748	12368						
279	10	01968	21814	43	02861	20215	57	22744	10166	57	02857	00028			
285										53	02744	32327			
288	20	01754	00014	10	05664	05214	04	08490	00043	53	02885	20127			
375	73	01864	10225	57	25845	00088	5-	02858	16188	5-	02838	20128			
301	10	00952	26202	45	01961	29204	07	05690	10126	07	05590	22227			
321	10	05662	27312	04	05690	28201	07	08490	24214	05	08490	16148			
299	50	05653	08203												
292	10	01963	00013	54	00861	22111	57	02666	00017	07	05690	15127			
310															
314	10	01764	26214	00	00790	24110	07	41490	00045	07	05590	32127			
333	24	00951	18301	04	01990	20302	52	02974	00017	52	51744	16268			
334															
340	10	01964	22214	10	00962	22202	04	04690	00011	03	05690	14225			
186	7-	02707	24217	20	05663	24113									
336										51	22752	24368			
350				00	00890	24210	07	05590	18211	04	05690	18318			
368	10	00862	20202	00	00990	22301									
379	10	01764	22214	10	00851	28211	00	01790	22223	03	05690	22217			
390	20	01764	22214	10	00861	25311	00	05690	24100	03	47390	00015			
382	10	10964	00014	00	00890	00000	00	04690	00013	03	41690	*			
458	53	01753	20313							57	01744	24615			
430	20	00762	12212	00	00790	20200	00	05690	30100						
409	10	00862	28202	54	00951	26102	03	01790	00015	57	05616	15357			

III - Index Number of Station—See M.O. 252 or list issued on 1st of each month.
 ww, W - Present and past weather—See M.O. 252.
 h, N_h - Height and amount of low cloud—See M.O. 252.
 N - Total amount of cloud—See M.O. 252.
 C, C_u - 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. 1st September 1941
1 S.E. England	Light S.W. wind; mainly fair but cloudy periods and scattered showers; rather warm.
2 E. England ...	Light S.W. wind; cloudy periods; local rain; rather warm.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light S.W. wind; mainly fair; local coast fog; rather warm.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Light or moderate S.W. wind; mainly cloudy; occasional rain; local coast fog near west coast; rather warm.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 A. W. Scotland	
13 B. N.W. Scotland	Light or moderate S.W. wind veering west; mainly cloudy; occasional rain; average temperature.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	Light or moderate S.W. wind; cloudy; occasional rain; local coast fog; rather warm.
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 temperatures.

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 off N.W. Scotland will probably move east. There will be occasional rain in the North and Midlands. Weather will be mainly fair in the South with scattered showers.

FURTHER OUTLOOK.

Mainly fair in the South, unsettled in the North.

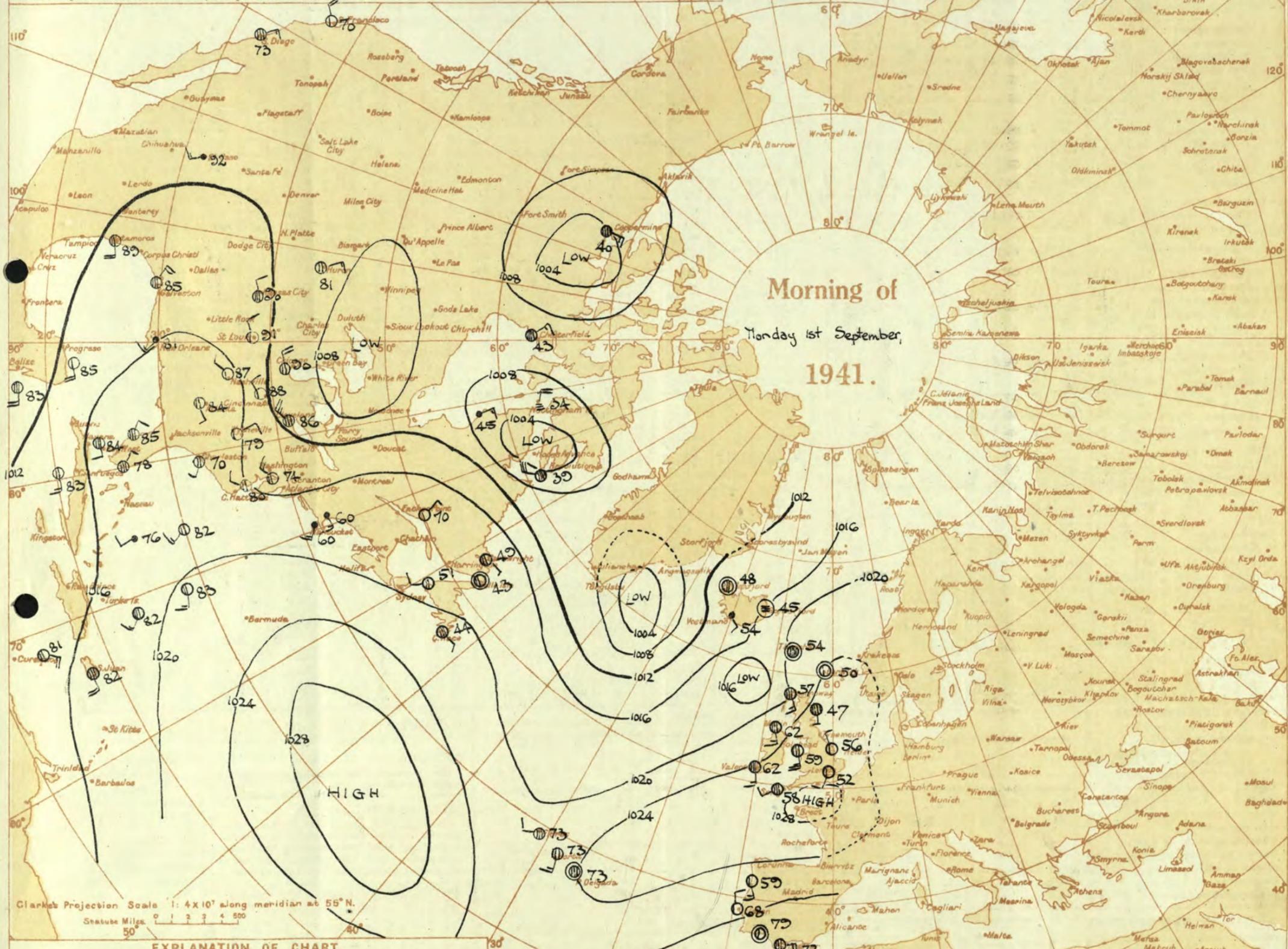
Forecasts issued at 10.30 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.
 H.M.S.O. Press, Meteorological Office, Dunstable. 6269/420. W. 9/76. D. 6054. Sp. 348. 3300. 3/41

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
Monday 1st September,
1941.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol: ○
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. * Snow. * Sleet. △ Hail. Fog. ≡ Mist. ≡ Thunder. (T) Thunderstorm. K Slight haze. ☁
 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.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes sub-tables for LONDON OBSERVATIONS and FOREIGN OBSERVATIONS.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed definitions for weather codes, barometric tendencies, wind scales, and sea states.

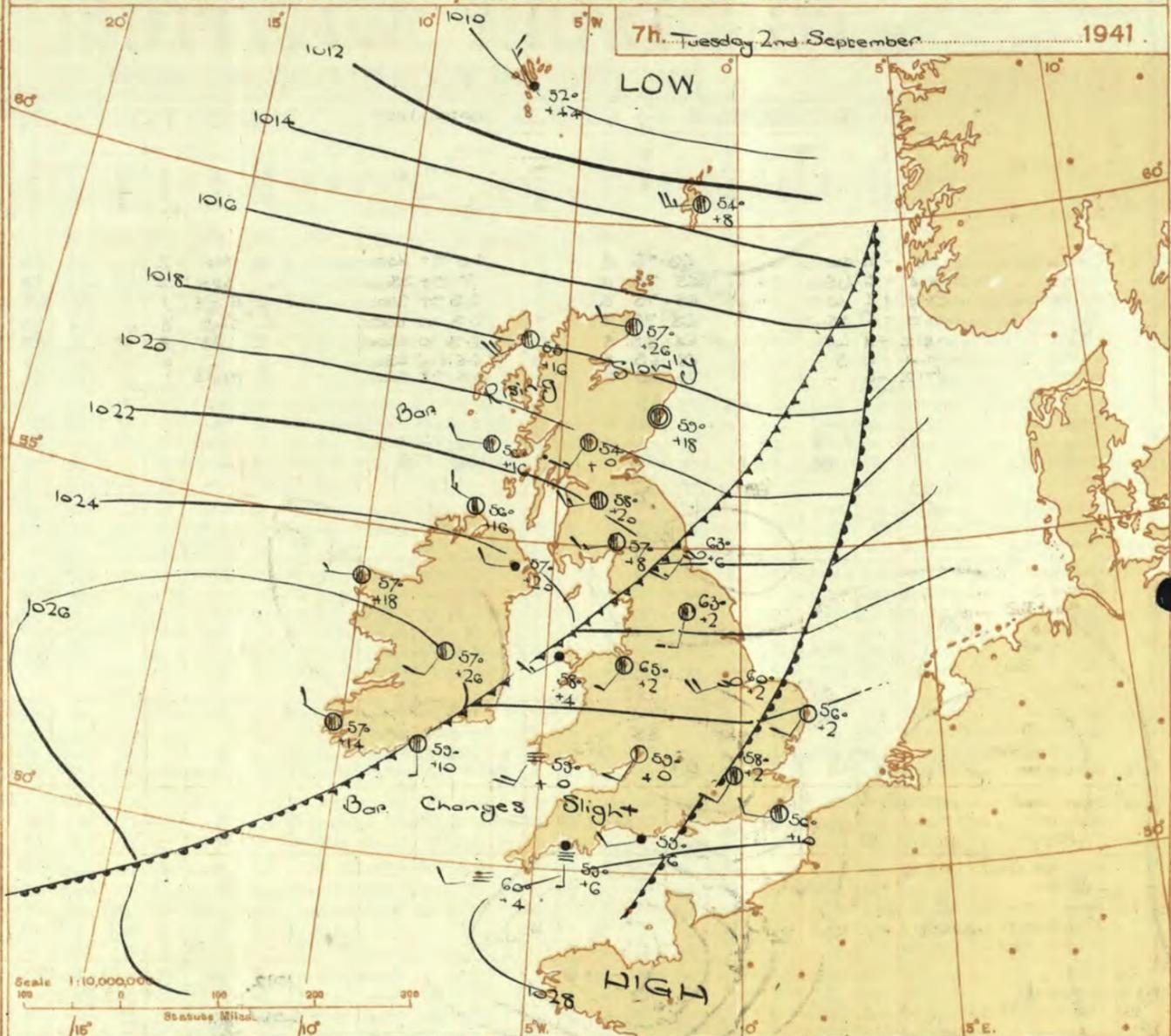
TERMS OF SUBSCRIPTION, METEOROLOGICAL OFFICE, AIR MINISTRY, KINGSWAY, LONDON W.C.2, N. K. JOHNSON, D.Sc., A.R.C.S., Director.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

1st. G.M.T. 1st. September				1st. G.M.T. 2nd September				7th. G.M.T. 2nd September					
III	C _M	wwVhN _r	DDFWN	C _M	wwVhN _r	DDFWN	C _M	wwVhN _r	DDFWN	C _M	wwVhN _r	DDFWN	
100	62	22616	14568	5-	22657	18267	5-	61648	20568	53	02846	21567	
115	51	02834	20187				--	67109	20489	5-	81638	22488	
203								5-	52738	20428	5-	03838	16428
206	87	02065	24266	57	02064	20227	53	02855	22346	57	02064	22567	
210	54	02056	19327	57	02075	16226	54	02865	21486	57	02054	20126	
220				52	03626	17428				51	02844	23228	
230	52	10647	18258	6-	54648	18258	52	21537	20467	5-	51738	21858	
245	52	65656	14168	53	05647	16327	5-	68445	17125	57	07043	28268	
260				54	02853	20215	53	01764	21415	53	02844	19315	
278				52	54616	12358	5-	51628	18368	5-	02847	28327	
279	5-	21858	18458	62	51637	18358	62	21835	18457	6-	05623	22258	
285	53	01745	28326	5-	02537	28427							
288				54	05663	16314	5-	05555	18325	77	05654	18226	
575	53	02848	20357	87	02846	20357	5-	51738	24358	5-	02847	24257	
801	57	62444	14168	57	21654	20168	57	05653	18328	57	53645	20358	
321	52	05675	12428	57	02767	20327	54	08463	20324	53	05664	20315	
299	5-	08445	22215	57	05654	22115	5-	08447	20227				
292	5-	17667	20127	57	22665	21167	5-	08448	18128				
310	--	64428	26368	--	48209	26329				--	26109	26349	
614	57	61577	22368	5-	08448	22368	5-	51348	22228	5-	08446	20226	
333	5-	52618	16368	5-	21628	18458	5-	57308	18358	5-	52407	18357	
334	--	03646	24128	--	03637	26328				--	02645	20227	
340	07	22700	18368	5-	21847	20267	5-	05648	20428	5-	01841	18113	
136	23	02764	20316	09	05690	22227	03	05590	20113	54	05552	20213	
336	51	61762	24368							51	01752	16315	
350	79	22653	22267	79	02763	20127	5-	05646	20226	--	48209	22249	
368	57	22844	18168	07	02890	21229							
379	03	02700	18328	57	02774	18267	04	05690	30214	--	48209	20349	
390	51	02674	20317	57	64763	20268	03	05590	20113	5-	05675	23115	
382	57	61862	20128	57	61765	00067	04	05690	00014	5-	05628	20228	
438	57	01863	23315							54	01763	24214	
430	57	61863	18267				5-	02766	28116	50	01774	22224	
409	52	61835	16267	57	02844	22267	02	57208	17258	02	44208	18258	

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_r - Height and amount of low cloud—See M.O. 252.
N - Total amount of cloud—See M.O. 252.
C_M, C_M - Form of low and medium cloud—See page 1.
V - Visibility. F = Force of wind—See page 4.
DD - Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd September 1941

1 S.E. England	Light or moderate W. to N.W. wind; mainly fair but scattered showers; local coast fog at first; rather warm.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Moderate West wind backing S.W.; fair at first, rain later; rather warm.
12 S.W. Scotland & Isle of Man	
13A. W. Scotland	Moderate West wind backing S.W., fair at first, perhaps rain later; rather warm.
13B. N.W. Scotland	
14 Mid Scotland	Light or moderate N.W. wind backing S.W.; fair at first, some rain later; rather warm.
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 CHANGES 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
 - - - - - = Warm 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 on the Continent is receding slowly eastwards and minor troughs of low pressure are crossing the British Isles. A new anticyclone off S.W. Ireland is expected to move S.E. A depression North of the Azores is moving N.E. Weather will be mainly fair but rain may occur later in Ireland and N.W. Scotland.

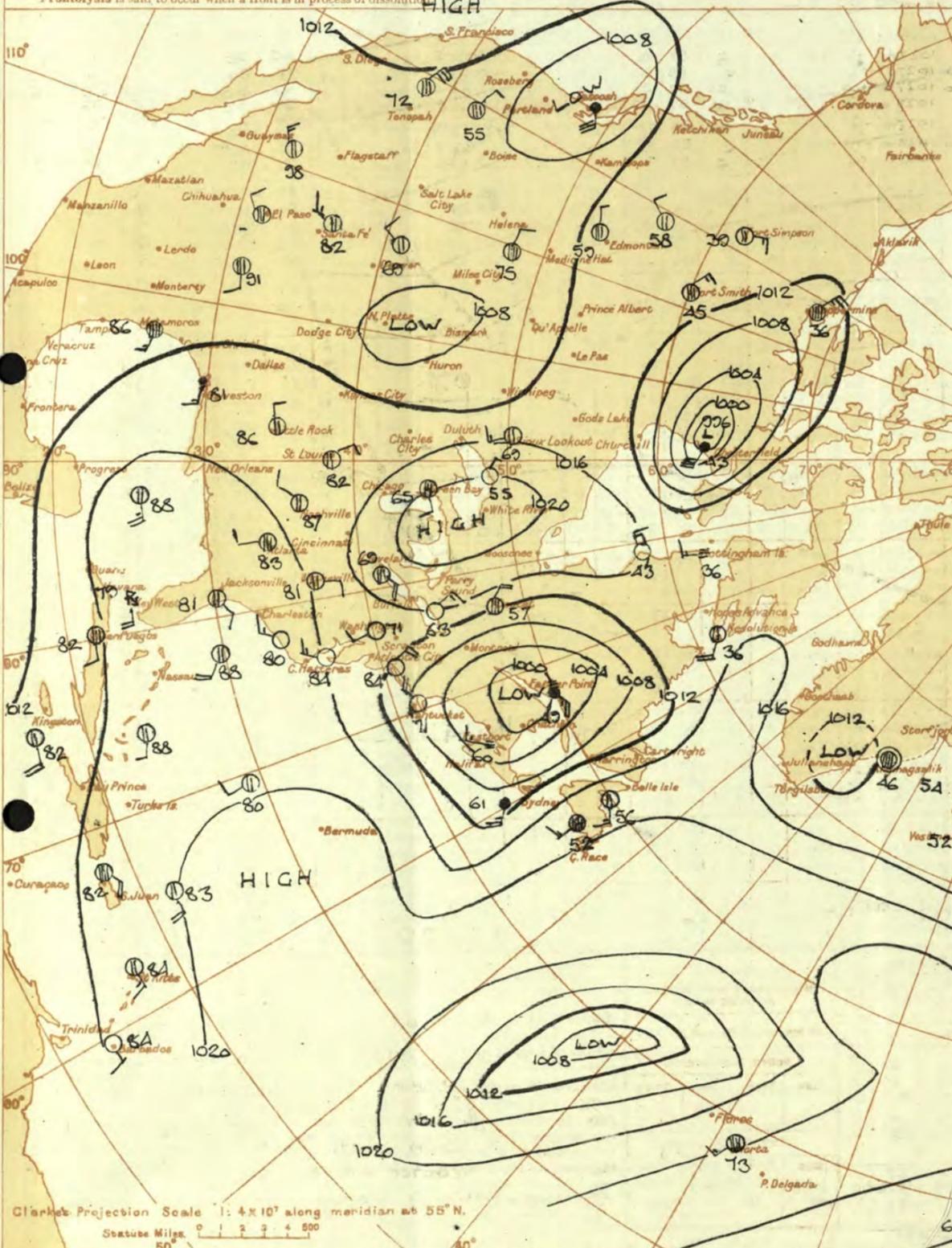
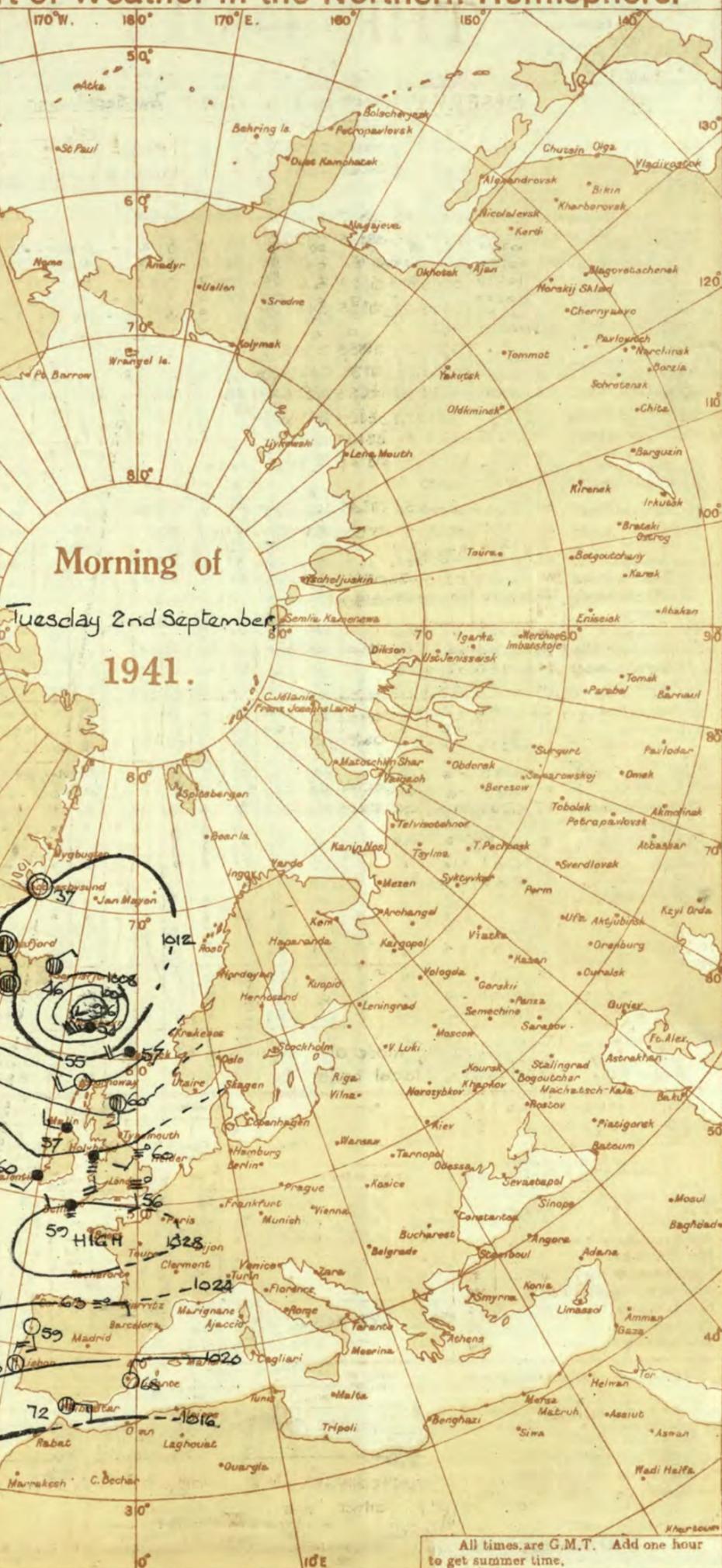
FURTHER OUTLOOK.
Fair for several days in the South; Unsettled in the Northwest.

Forecasts issued at 1030 G.M.T. N. X. JOHNSON, D.Sc., A.R.C.S., Director.
H.M.S.O. Press, Meteorological Office, Dunstable. 6209/4120. No. 9176. D. 8034. 6p. 348 3100 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.



Clarke's Projection Scale 1: 4x10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER: Isobars are drawn for intervals of four millibars.
WIND: Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol: ○
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. * Snow. * Sleet. Δ Hail. Fog. ≡ Mist. ≡ Thunder. (T) Thunderstorm. T 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.

OBSERVATIONS at 1 hr. G.M.T. 2nd September															OBSERVATIONS at 7 hr. G.M.T. 2nd September															PAST 24 HOURS.					
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. M.S.L. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud.			Barom. M.S.L. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.			State of Sea. (30)	TEMPERATURE.			RAINFALL.		SUNSHINE Hrs. (36)						
					Dirac. (3)	Force. (4)				Weather. (5)	Form. (9)	Amount. (10)			Height of Base. (feet) (11)	Dirac. (17)				Force. (18)	Weather. (19)	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	1026.8	-0.2	WSW	1	56	85	8	4-6	4-6	5700	1027.4	+2	WSW	1	58	85	6	5	7-8	7-8	4000	1	65	55	48	Tr	Tr	1.8					
	Croydon	217	1027.4	-0.2	WSW	1	55	85	8	4-6	4-6	5700	1027.1	+2	WSW	2	58	85	7	5	7-8	7-8	7200	1	71	54	50	Tr	Tr	3.7					
	S. Farnborough	226	1027.4	-0.2	WSW	1	55	85	8	4-6	4-6	2500	1027.3	+2	WSW	1	57	85	8	5	7-8	7-8	6500	1	66	53	48	0.3	0.2	2.6					
	Boscombe Down	417	1027.3	+2	WSW	1	54	87	7	0	4-6	1028.0	+2	WSW	3	57	87	6	5	7-8	7-8	10000	1	64	52	46	Tr	Tr	*						
	Thorney Island	10	1027.3	-2	WSW	1	53	87	6	0	7-8	1027.6	+2	WSW	1	56	87	7	5	4	4-6	4-6	7200	0	67	51	46	Tr	Tr	*					
	Lympe	346	1027.3	-2	WSW	1	56	87	5	7-8	7-8	7000	1028.0	+10	WSW	2	56	87	7	5	4	7-8	7-8	4000	1	76	52	45	Tr	Tr	7.3				
	Manston	154	1027.1	-6	WSW	1	55	87	6	0	7-8	1027.7	+6	WSW	0	57	87	6	5	-	7-8	7-8	3500	0	71	52	50	Tr	Tr	7.9					

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.															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. COLUMNS 8, 22 - Code for surface visibility. Objects not visible at 55 yards. COLUMNS 30-35 - 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.														
Kew	18	bcwmg	ccig	cmw	65	55	48	Tr	1.8	69	78	6	0.2	7-8	0.1	0.5	2nd	0	1	4	13-18	9	47-54	0	1	4	13-18	9	47-54
CROYDON	217	cmg	cid	cmg	71	54	50	Tr	3.7	69	78	6	0.2	7-8	0.1	0.5	2nd	1	1-3	5	19-24	10	55-63	1	1	4	13-18	9	47-54
GREENWICH (Royal Observatory)	149	cbey	eygr	cbwmg	72	54	47	Tr	4.0	69	78	6	0.2	7-8	0.1	0.5	2nd	2	4-7	6	25-31	11	64-75	2	1	4	13-18	9	47-54
CITY (Bunhill Row)	-	.	.	.	68	56	53	Tr	.	80	88	.	0.2	7-8	0.1	0.5	2nd	3	8-12	7	32-38	12	75	3	1	4	13-18	9	47-54
WESTMINSTER (St. James' Park)	27	.	.	.	68	56	53	Tr	.	80	88	.	0.2	7-8	0.1	0.5	2nd	0	1	4	13-18	9	47-54	0	1	4	13-18	9	47-54
REGENTS PK. (Botanic Gardens)	168	.	.	.	71	55	50	Tr	.	77	77	.	0.2	7-8	0.1	0.5	2nd	1	1-3	5	19-24	10	55-63	1	1	4	13-18	9	47-54
CAMDEN SQUARE	110	.	.	.	73	55	49	Tr	.	78	76	.	0.2	7-8	0.1	0.5	2nd	2	4-7	6	25-31	11	64-75	2	1	4	13-18	9	47-54
KENSINGTON	80	bcc	cp	.	69	53	50	Tr	.	85	85	.	0.2	7-8	0.1	0.5	2nd	3	8-12	7	32-38	12	75	3	1	4	13-18	9	47-54
HAMPSTEAD OBSERVATORY	460	bc	bcp	bc	69	53	50	Tr	.	85	85	.	0.2	7-8	0.1	0.5	2nd	0	1	4	13-18	9	47-54	0	1	4	13-18	9	47-54

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

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET
BRITISH SECTION
Wednesday, 3rd September 41.
No. 29,140

OBSERVATIONS at 13h. G.M.T. 2nd September														OBSERVATIONS at 18h. G.M.T. 2nd September														PAST 24 HOURS.						
DISCRETS.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-10 (8)	Cloud.			Barom. at M.S.L. -mb. (15)	Change in 8 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-10 (22)	Cloud.			State of Ground. 0-9 (29)	WEATHER.											
				Dirac.	Force. 0-12 (4)				Weather.	Form.	Amount. Low 0-10 Total 0-10 (12) (13)			Height of Base. (feet) (14)	Dirac.				Force. 0-12 (18)	Weather.	Form.		Amount. Low 0-10 Total 0-10 (25) (26)	Height of Base. (feet) (28)	Soa. 0-9 (30)	7h.-13h. 2nd... (37)	13h.-18h. 2nd... (38)	18h. 2nd to 1h. 3rd. (39)	1h.-7h. 3rd. (40)					
																														Low.	Med.	High.	Low.	Med.
1	London (Kew)...	1027.2	+2	SW	2	bc	66	85	7	5	7	1	2-3	A-G	4000	1027.2	+2	W'N	2	c	71	75	8	8	-	1	A-G	7-8	4000	1	* cbc	bc	c bc m w	cm w
	Croydon ...	1027.0	-2	SW'W	1	c	74	75	7	1	3	1	7-8	2500	1027.0	0	SE	1	c	73	75	7	4	3	5	4-G	7-8	3500	1	* cbc bc	bc	c	cb w m w	
	S. Farnborough	1027.1	-2	W'S	3	bc	74	75	8	1	8	5	4-G	4-G	2500	1027.4	+2	W'N	3	c	71	75	8	2	3	1	Tr	7-8	3000	1	* bc	bc	bc w	bc w m f m
	Boscombe Down	1027.8	-2	W'N	2	bc	70	75	8	7	4	4	4-G	2500	1027.3	+2	NNW	2	c	68	85	7	5	-	-	-	-	-	2500	0	* c bc bc	c	bc w	bc w m f m
	Thorney Island	1027.8	-2	SSW	1	c	70	75	7	7	4	4	7-8	3000	1027.6	+2	W'N	2	bc	69	85	7	2	6	1	1	2-3	4000	0	* c bc bc	bc	bc m w c	bc w m f m	
	Lympe ...	1027.6	-2	SSW	1	bc	70	75	8	2	4	6	Tr	2-3	3500	1027.4	+2	SSW	1	c	64	85	7	3	6	0	7-8	-	-	1	* c bc	bc	bc m f m	cm b f f
	Manston ...	1027.0	-2	WSW	2	bc	73	85	8	1	6	6	Tr	4-G	3500	1027.6	+2	SW	1	c	68	85	6	4	-	2	1	4-G	4500	0	* c bc	bc bc m w	bc bc m w	bc m w c
2	Shoeburyness ...	1027.0	-6	SW	2	bc	73	75	6	1	4	2	1	2-3	4000	1026.6	-2	SW'W	2	c	72	75	6	8	3	1	4-G	7-8	2500	0	* bc z	bc bc z	bc w	m w c
	Felixstowe ...	1026.3	-6	SSW	1	c	68	75	6	1	-	2	1	4-G	3000	1026.1	0	S	2	c	67	85	7	5	-	-	3000	1	* c bc z	bc z c z	bc m w	bc m w c		
	Gorleston ...	1026.1	+4	SW	1	c	66	85	6	5	-	-	3000	1026.1	0	SE	1	c	67	85	6	2	6	-	4-G	7-8	2000	0	* bc	bc	bc m w	bc m w c		
	Mildenhall ...	1026.0	-4	WSW	3	c	75	75	8	1	-	2	2-3	7-8	3000	1026.5	+4	W'N	2	c	72	85	7	5	7	-	7-8	4000	0	* c bc	bc	bc m w	bc m w c	
	Cranwell ...	1025.5	0	W	4	z	72	75	6	1	4	2	Tr	4-G	1000	1026.2	+2	NW	1	z	70	85	6	8	-	2	2-3	7-8	2000	0	* bc z	bc z p f c m	bc m	bc m f w
3	Birmingham	1026.2	+2	SW	2	c	65	75	8	5	-	-	3000	1026.7	+2	NW	2	c	69	85	8	8	7	2	7-8	3000	4000	1	* c	bc	bc	bc m		
	Upper Heyford	1027.0	-4	SW'W	3	c	71	75	7	8	7	-	7-8	7-8	2500	1026.6	+2	W'S	2	z	70	85	6	7	-	3000	1500	1	* c m c m	bc c	bc m	bc m f m		
	Ross-on-Wye ...	1026.3	0	SW'W	3	c	69	85	6	5	-	-	3000	1026.6	0	SW	3	c	68	85	8	5	-	-	3000	4000	1	* bc	bc	bc m	bc m			
5	Hartland Point	1028.1	+4	SW	3	df	61	97	1	-	-	-	10	10	1150	1027.3	0	WSW	2	F	60	97	1	-	-	10	10	1150	1	* d f d f	d f d f f e	f f d	i d f f	
	Bristol ...	1028.1	+2	W	3	c	68	85	8	5	-	-	10	10	1200	1027.8	-4	WNW	3	c	66	85	8	5	-	-	3000	1200	0	* c	c	bc m of	bc f w	
	Portland Bill ...	1028.5	+6	W	2	c	63	85	8	5	2	-	7-8	10	2500	1028.0	+6	W	1	c	62	85	8	5	-	-	4-G	4-G	4000	1	* c	bc	bc	bc
	Plymouth ...	1028.4	+2	SW	2	c	64	92	6	5	-	-	3000	1028.6	-6	SW	2	c	63	92	6	5	-	-	-	3000	1000	1	* c	bc	bc m w	bc m w c		
	The Lizard ...	1028.8	0	W	3	c	65	92	1	5	-	-	10	10	600	1028.2	-2	W	2	c	61	97	1	5	-	-	10	10	400	1	* c	bc	bc	bc
	Scilly (St. Mary's)	1028.6	+2	WSW	3	df	64	97	3	5	-	-	10	10	800	1028.5	-2	W	2	c	62	97	2	5	-	-	10	10	500	1	* c	bc	bc	bc
6	Pembroke ...	1028.1	+2	W	3	bc	60	97	2	5	-	-	10	10	1150	1028.4	0	WNW	1	z	61	97	6	5	7	-	7-8	3000	1	* d f f e	d f f e	f f e	i d f f e	
7	Holyhead (Valley)	1027.0	+10	WNW	2	c	65	85	8	5	-	-	10	10	2500	1027.7	+4	NW	2	c	62	75	9	5	3	8	4-G	3000	0	* c	bc	bc	bc	
	Chester (Sealand)	1026.3	+2	NW	3	c	65	85	6	5	7	-	7-8	10	3000	1027.4	+4	NW	3	c	64	85	7	6	2	2-3	7-8	1000	0	* c	bc	bc	bc	
	Manchester ...	1026.5	+6	W	3	c	64	92	6	5	2	-	9	10	800	1027.4	+4	WNW	3	c	63	85	7	8	-	2	2-3	7-8	3000	0	* c	bc	bc	bc
10	Spurn Head ...	1028.3	+2	NW'N	3	c	68	75	6	4	6	2	4-G	7-8	4000	1028.4	+2	WNW	3	z	65	97	5	4	7	2-4	7-8	2500	0	* c m c m	bc	bc m	bc m f m	
	Catterick ...	1024.9	+2	W'S	3	c	70	65	9	8	3	2	2-3	3000	1026.2	+10	W	2	c	68	65	8	4	-	2	Tr	7-8	3000	0	* c	bc	bc m w	bc m w c	
	Tynemouth ...	1023.8	+6	W	5	c	70	65	7	2	3	1	4-G	3000	1026.2	+14	W	4	bc	67	65	7	2	3	1	2-3	4-G	3400	0	* c	bc	bc	bc	
11	St. Abbs Head	1022.2	+4	W	3	c	62	75	8	2	7	5	7-8	7-8	2000	1025.3	+18	W	2	c	61	75	8	4	4	7	1	10	2500	1	* c	bc	bc	bc
	Leuchars ...	1022.3	+8	W	5	c	66	65	9	5	7	6	1	3000	1024.8	+12	W	6	bc	63	75	9	5	-	2	1	4-G	2500	0	* c	bc	bc	bc	
	Reutrow (Abbots L.)	1025.2	+10	WSW	4	c	63	65	8	8	-	-	7-8	3000	1026.7	+2	W	3	c	60	75	8	8	3	6	4-G	3000	1	* c	bc	bc	bc		
	Eskdalemuir ...	1024.2	+6	W	4	c	62	75	8	7	7	7	2-3	10	2500	1026.3	+10	W	2	c	59	75	8	7	4	1	7-8	2500	1	* c	bc	bc	bc	
	Point of Ayre ...	1026.6	+12	NW	2	c	65	85	8	5	3	-	4-G	3000	1027.6	+4	WNW	1	bc	61	85	8	1	-	2	Tr	4-G	4000	0	* c	bc	bc	bc	
13a	Three ...	1024.4	+12	WSW	4	c	58	85	8	5	-	-	3000	1025.7	+10	WSW	3	c	58	92	7	5	-	-	3000	1800	0	* c	bc	bc	bc			
13b	Stornoway ...	1021.7	+8	SW	5	c	60	75	8	5	7	2	7-8	3000	1022.7	+4	SW	5	c	59	75	8	5	7	-	7-8	3000	1	* c	bc	bc	bc		
15	Dalwhinnie ...	1024.6	+14	NW	3	c	58	65	8	5	-	8	7-8	2500	1024.8	+8	SW	3	c	56	85	8	5	-	8	7-8	10	1500	0	* c	bc	bc	bc	
	Aberdeen ...	1021.3	+12	NW	3	c	65	65	8	1	-	8	4-G	7-8	2200	1024.5	+10	NW	3	bc	64	65	8	4	6	1	2-3	3800	1	* c	bc	bc	bc	
	Wick ...	1021.1	+14	W'S	3	c	61	75	8	5	-	8	7-8	2500	1023.4	+10	SW	2	c	59	75	9	5	3	8	9	3000	1	* c	bc	bc	bc		
	Sumburgh ...	1018.1	+18	WNW	4	c	56	85	8	8	3	4	2-3	7-8	1400	1020.7	+16	W'S	4	bc	54	97	8	1	-	4	Tr	4-G	300	*	* c	bc	bc	bc
17	Blackad Point ...	1026.6	+4	SSW	2	c	60	85	8	-	7	-	3000	1026.6	-8	SSW	2	bc	60	85	8	2	-	3	1	2-3	4000	0	* c	bc	bc	bc		
18	Malin Head ...	1025.8	+12	W	4	c	60	75	8	5	-	-	7-8	7-8	4000	1026.3	+2	W	3	c	59	85	8	9	-	-	7-8	7-8	4000	0	* c	bc	bc	bc
	Aldergrove ...	1027.0	+10	SW'W	2	c	62	75	8	5	-	8	30																					

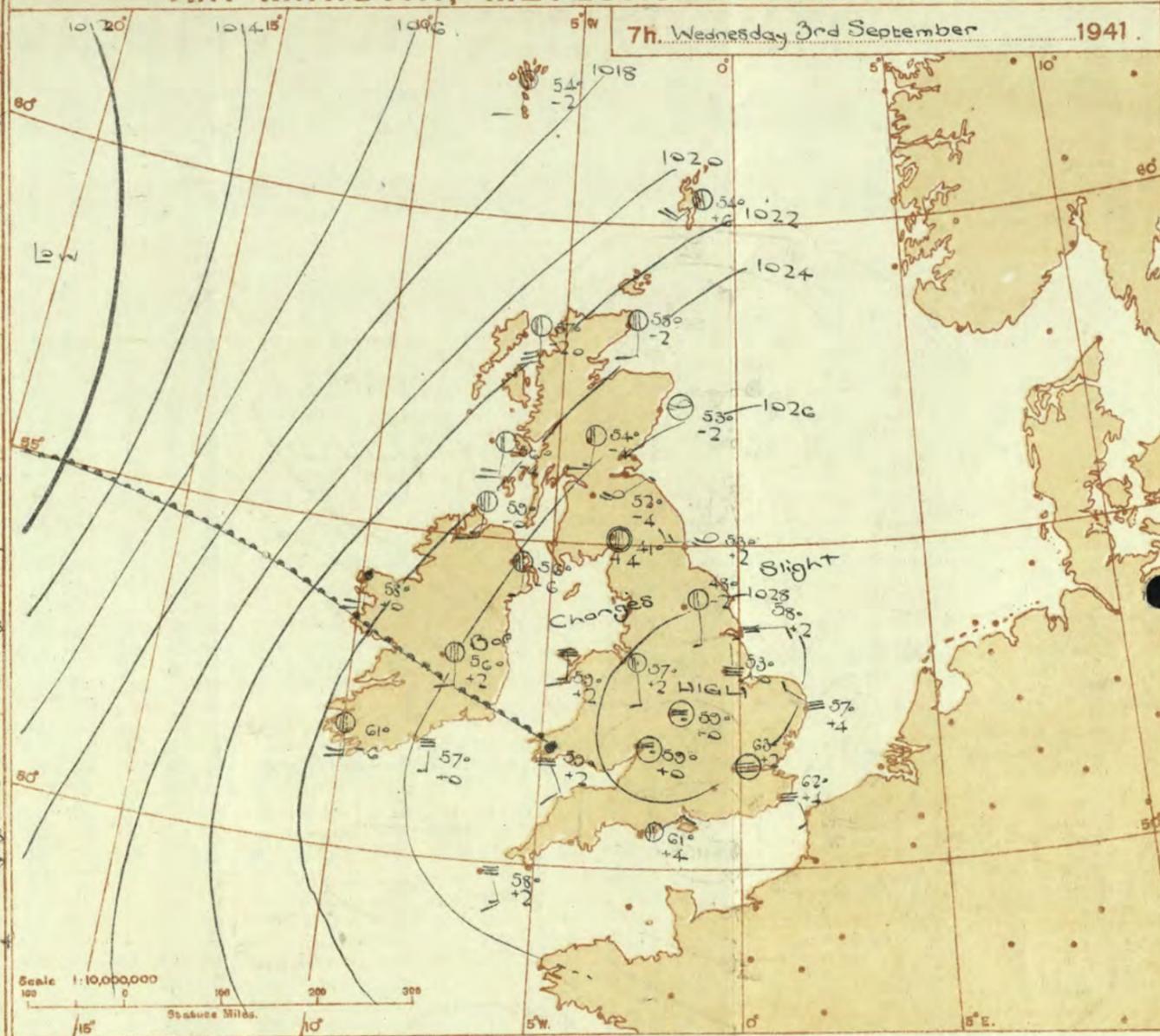
Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 2nd September 18h. G.M.T.				01h. G.M.T. 3rd September 07h. G.M.T.								
III	C _w	V _w	N _w	DDFWN	C _w	V _w	N _w	DDFWN	C _w	V _w	N _w	DDFWN
109	5-	02747	23557	50	01864	20515	57	02743	21624	52	61776	14228
115	52	81834	20487	52	81944	20487	52	81725	20488	52	81835	20388
203				5-	62838	16528	5-	51938	20328			
206	87	02965	22426	83	02964	24228	57	61064	20127	53	02965	20267
210	8-	02954	22425	57	02964	22327	5-	02968	20328	07	02990	18267
220				53	02844	19227						
230	87	02857	20388	52	02846	20388	57	02855	00225	23	01953	00614
245	20	02962	22516	47	02962	24325	53	02774	24228	50	01954	23825
260	70	02854	22327	46	01863	22315	54	01763	00015	54	01863	22215
278	5-	02967	28427	5-	02865	30326	00	00800	15211	50	02731	12217
279	8-	02856	21357	80	02964	25226	00	05500	22210	53	03533	12246
285	23	02744	24526	13	01743	26525				13	01633	24104
288	83	02854	25226	40	05663	27214	00	05600	18100	00	01800	17104
575	5-	02857	28327	50	01854	00014	01	00001	26951	5-	05638	12208
801	5-	05629	26258	20	01851	28215				5-	05468	12148
321				50	05663	25315	00	08400	25214	00	45300	24143
299	57	01754	22284	87	01754	24314	50	05661	28213	50	01753	00003
292	70	01854	22224	54	02852	22225	07	00800	20112	00	05600	00043
310	--	46109	26449	--	01645	24315				--	01644	24314
614	5-	05635	22327	14	05641	28224	03	47000	24115	00	47300	00041
333	5-	02635	24258	5-	02754	28225	5	05517	00027	5-	02857	16227
334	--	02745	20216					--	01672	20203		
340	2-	02956	22216	50	02855	30226	04	08400	32111	5-	05657	16127
136	6	05654	22326	5-	05667	25317	03	05600	26214	--	46109	00049
336	51	21653	16356	53	01762	24314				51	02782	28316
350	20	01764	20215	86	02755	22127	5-	05557	00027	5-	05566	08126
368	52	21635	22358	83	21734	26255						
379	2-	02747	21227	43	01754	22215	5-	05528	26128	5-	08447	02247
390	13	01774	24216	83	01763	24115	54	04661	25122	5-	05566	28146
382	17	02753	24216	53	02764	23226	03	05500	00016	5-	08418	00028
438	38	01734	21314					--	46009	00049		
430	50	05755	22215	40	00861	22302	50	47273	00023	00	41400	32145
409	5-	03728	28248	5-	52408	25258	50	45109	00038			

III - Index Number of Station—See M.O. 252 or list issued on 1st of each month.
 ww, W - Present and past weather—See M.O. 252.
 h, N_h - Height and amount of low cloud—See M.O. 252.
 N - Total amount of cloud—See M.O. 252.
 C_w, C_m - Form of low and medium cloud—See page 1.
 V_w - 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 3rd September 1941.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd September 1941.

1 S.E. England	Light variable winds; fine, with mainly small amounts of cloud, but with considerable morning mist or fog; rather warm.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light variable to S.E. winds; fair, but considerable coastal fog at first; clearing later; rather warm.
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	
13B. N.W. Scotland	
14 Mid Scotland	Moderate S. or S.W. winds; cloudy with local rain or showers; average temperature.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	Mainly moderate Southerly winds; mainly fair, but some slight rain or drizzle on W. and S.W. coasts; local coast fog in the W. and S.; 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 CHANGES 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 covers England and Wales, but minor troughs of low pressure are moving northeastwards across Ireland and Scotland. There will be some slight local rain in the extreme North and West, but elsewhere weather will be fair, but with morning fog in many places.

FURTHER OUTLOOK.

Fair, except in the extreme North and West.

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

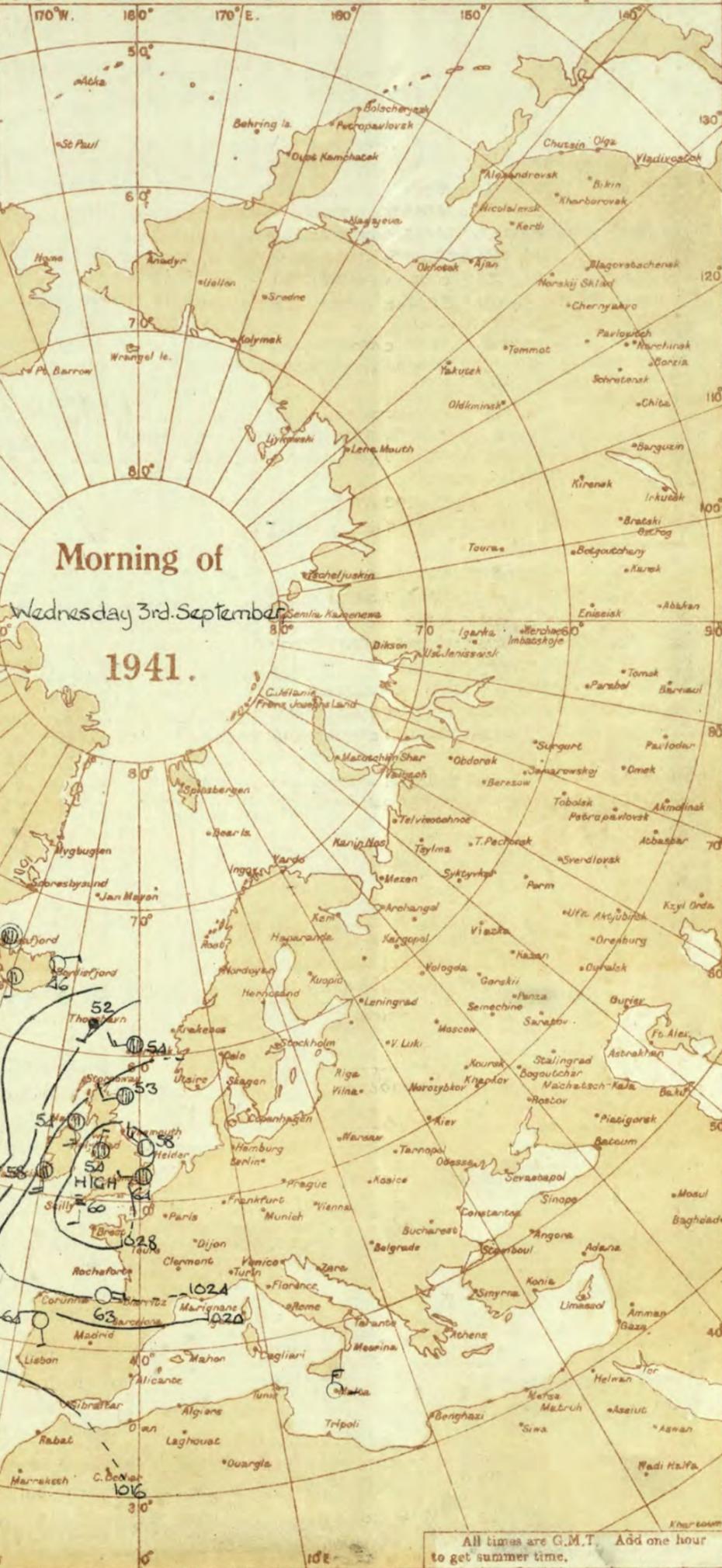
N. K. JOHNSON, D.Sc., A.R.C.S.
 Director.

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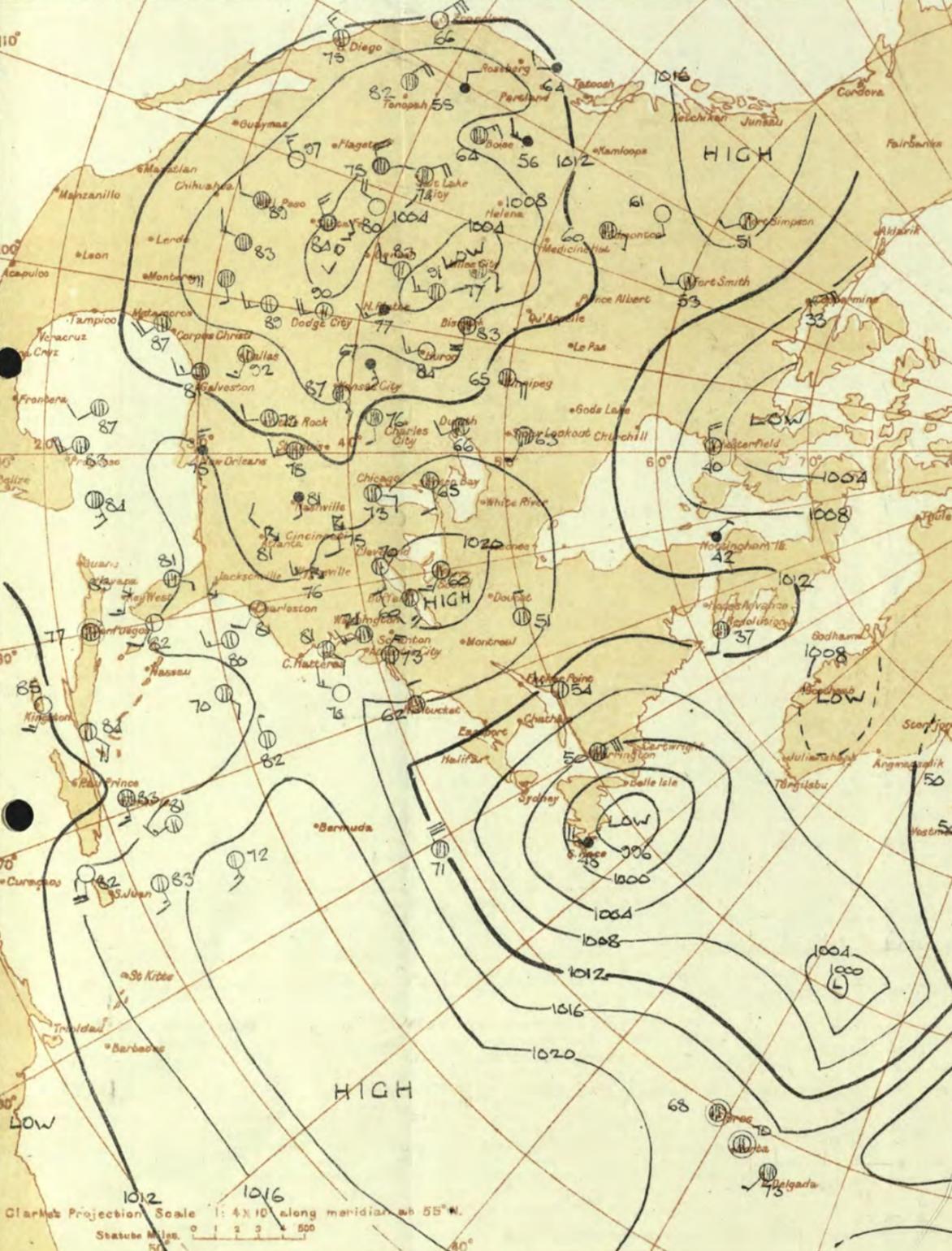
AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Explanation of Frontal Lines shown on Charts

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



Morning of
 Wednesday 3rd September
 1941.



Clarke's Projection. Scale 1:4x10 along meridian at 55° N.
 Statute Miles 0 1 2 3 500

EXPLANATION OF CHART.

BAROMETR. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: — Clear sky. ☁ Sky less than 3/10 clouded. ☁☁ Sky 4/10 to 6/10 clouded. ☁☁☁ Sky 7/10 to 9/10 clouded. ☁☁☁☁ Overcast sky. ☁☁☁☁☁ Rain falling. * Snow. † Sleet. Δ Hail.
 Fog ≡ Mist. ⚡ Thunder. ⚡☁ Thunderstorm. ⚡☁☁ Thunderstorm with 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.

OBSERVATIONS at 1 hr. G.M.T. 3rd September															OBSERVATIONS at 7 hr. G.M.T. 3rd September															PAST 24 HOURS.					
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Temp.	Humid.	Visibility.	Cloud.			Barom. at M.S.L.	Change in 3 hours.	Wind.		Temp.	Humid.	Visibility.	Cloud.			Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE.						
					Dir.	Force.				Form.	Amount.	Height of Base (feet).			Form.	Amount.				Height of Base (feet).	Form.	Amount.		Height of Base (feet).	0-9	Max. Day 7h-18h	Min. Night 18h-7h	Min. on Grass		Day 7h-18h	Night 18h-7h	2nd Hrs.			
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	1028.1	+2	*	*	64	92	5	5	-	0	0	400	1	73	61	52	-	-	7.0					
	Croydon	217	1028.1	-	WSW	1	63	92	7	5	3	1027.6	-2	*	*	63	97	4	5	-	0	0	400	1	77	60	56	-	-	3.1					
	S. Farnborough	226	1028.1	-	WSW	1	63	92	7	5	3	1027.6	-2	*	*	63	97	4	5	-	0	0	400	1	77	61	54	-	-	5.6					
	Boscombe Down	417	1028.4	-2	WSW	2	62	97	7	5	1	1028.5	+2	*	*	61	97	1	1	-	0	0	1500	1	72	58	54	-	-	3.8					
	Thorney Island	10	1028.1	-2	WSW	2	63	97	5	5	-	1027.5	+4	*	*	61	97	2	1	-	0	0	1500	1	73	55	51	-	-	*					
	Lympne	346	1027.9	-2	WSW	2	61	97	4	5	-	1028.0	+4	SE	1	62	97	3	5	-	0	0	2200	1	72	55	52	-	-	10.4					
	Manston	154	1027.6	-2	WSW	2	64	97	6	5	3	1027.8	+6	*	*	63	97	5	5	-	0	0	4500	0	76	60	51	-	-	7.7					
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	1027.9	+6	WSW	1	64	92	6	5	4	-	0	0	4000	0	75	61	51	-	-	7.2				
	Felixstowe	15	1026.8	0	*	*	65	92	6	5	-	1027.3	+2	WSW	2	62	92	6	5	3	-	0	0	3500	1	69	61	58	-	-	4.8				
	Corleston	5	1027.2	+2	WSW	2	64	92	6	5	-	1026.5	+4	WSW	1	57	97	1	1	-	0	0	1500	1	72	56	54	-	-	*					
	Mildenhall	19	1027.7	+2	WSW	2	61	97	5	5	-	1028.1	+2	WSW	1	57	97	5	5	-	0	0	2-3	0	78	56	49	-	-	8.4					
	Cranwell	240	1027.7	-2	WSW	2	58	95	5	-	-	1028.2	0	WSW	1	53	97	4	-	4	1	0	2-3	1	75	49	46	-	-	7.3					
3	Birmingham	535	*	*	*	*	*	*	*	*	*	1028.6	0	*	*	59	86	4	5	3	-	2-3	7-8	4000	1	73	57	49	-	-	2.4				
	Upper Heyford	408	1027.9	-4	WSW	2	62	97	4	5	4	1028.3	+4	*	*	60	97	5	5	-	0	0	2100	1	73	59	57	-	-	*					
	Ross-on-Wye	223	1028.0	0	*	*	59	97	4	5	-	1028.0	0	*	*	59	97	4	5	-	0	0	2500	1	71	58	*	-	-	4.7					
5	Hartland Point	299	1028.2	-1	SE	2	59	97	6	5	-	1027.5	+4	SE	2	59	97	8	5	-	0	0	1400	1	61	56	55	-	-	0.6					
	Bristol	209	1028.3	-1	SE	2	58	97	2	-	-	1028.3	+2	SE	2	59	97	2	-	-	0	0	1500	0	69	57	49	-	-	0.8					
	Portland Bill	32	1028.4	-1	SE	2	60	92	8	-	-	1027.4	+4	SE	2	61	92	8	5	-	0	0	400	1	63	58	*	-	-	*					
	Plymouth	82	1028.7	-1	SE	2	58	97	2	5	3	1028.2	+2	SE	2	57	97	1	1	-	0	0	1500	1	64	56	53	-	-	0.2					
	The Lizard	240	1028.1	-1	SE	2	60	97	7	4	-	1026.9	0	SE	3	59	97	1	5	-	0	0	400	1	65	58	*	-	-	0.0					
	Scilly (St. Mary's)	163	1028.2	-1	SE	2	60	97	2	5	-	1026.8	+2	SE	3	58	97	2	5	-	0	0	800	1	65	56	*	-	-	0.0					
	Guernsey	175	1028.2	-1	SE	2	60	97	2	5	-	1026.8	+2	SE	3	58	97	2	5	-	0	0	800	1	65	56	*	-	-	0.0					
6	Pembroke	142	1028.6	+1	SE	2	59	97	1	-	-	1027.8	+2	SE	2	59	97	1	-	-	0	0	1500	1	61	58	*	-	-	0.9					
7	Holyhead (Valley)	26	1028.0	-1	SE	2	54	97	8	5	3	1026.9	+2	SE	3	59	97	9	5	-	0	0	2000	*	66	50	42	-	-	*					
	Chester (Sealand)	16	1028.9	-4	SE	2	57	92	4	5	-	1028.3	+2	SE	1	57	92	3	5	4	-	0	0	400	0	69	53	46	-	-	2.0				
8	Manchester	70	1028.9	-2	SE	2	48	97	1	-	-	1028.5	-2	SE	1	53	97	2	5	-	0	0	8500	1	68	44	*	-	-	*					
10	Spurn Head	29	1027.7	+4	WSW	2	58	92	6	5	-	1028.0	+2	SE	2	58	97	5	5	-	0	0	2500	0	72	56	*	-	-	7.7					
	Catterick	175	1028.5	-2	WSW	2	58	92	6	-	-	1028.4	-2	SE	1	48	97	7	5	-	0	0	3500	0	74	44	38	-	-	5.4					
	Tynemouth	108	1027.6	+2	WSW	2	56	85	6	-	-	1027.8	+2	SE	3	53	85	6	-	4	2	0	2-3	0	71	52	51	-	-	*					
11	St. Abbs Head	280	1026.6	+4	WSW	3	54	85	8	4	-	1025.8	-6	WSW	2	55	85	9	4	4	-	2-3	2-3	2500	0	65	52	*	-	-	*				
	Leuchars	36	1026.2	+4	WSW	3	52	92	9	4	-	1025.7	-2	WSW	3	54	92	8	4	3	-	0	0	400	0	67	51	45	-	-	2.1				
12	Renfrew (Abbots I.)	19	1027.1	-4	WSW	1	50	97	6	5	3	1026.4	-4	WSW	1	52	97	5	5	-	0	0	2000	0	64	48	42	-	-	2.2					
	Esksdalemuir	794	1027.1	-4	WSW	1	50	97	6	5	3	1026.4	-4	WSW	1	51	97	6	5	-	0	0	7-8	7-8	1500	1	64	38	31	-	-	7.1			
	Point of Ayre	30	1028.4	0	WSW	1	50	97	8	-	-	1027.1	+4	WSW	1	48	97	8	5	-	0	0	4000	0	66	47	*	-	-	6.0					
13A	Tiree	22	1028.0	-6	SE	2	55	92	7	5	7	1028.4	-4	SE	4	56	92	8	5	3	-	2-3	4-6	2500	0	60	55	*	-	-	0.2				
13B	Stornoway	80	1023.5	0	SE	5	56	92	7	5	7	1026.5	-2	SE	6	57	85	8	5	7	-	7-8	9+	2000	1	62	55	*	-	-	2.9				
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	1024.8	-4	SE	3	54	85	8	4	2	-	2-3	4-6	1500	0	61	50	46	-	-	0.9				
	Aberdeen	79	*	*	*	*	*	*	*	*	*	1024.8	-2	SE	3	53	97	6	5	-	0	0	5500	1	68	49	43	-	-	2.6					
	Wick	119	1026.8	0	SE	3	55	85	9	5	7	1023.3	-2	SE	2	55	92	9	5	7	-	7-10	5000	0	63	53	*	-	-	*					
16	Sumburgh	30	1021.5	-6	WSW	3	54	97	6	5	-	1022.1	+6	WSW	3	54	97	8	5	7	-	4-6	3+	500	0	57	53	50	-	-	7				
17	Blackrod Point	18	1023.9	-1	S	3	60	85	8	4	-	1023.2	0	S	4	58	97	7	6	-	0	0	800	1	62	56	*	-	-	*					
18	Malin Head	84	1024.8	-18	S	3	54	92	8	2	3	1023.5	0	S	3	59	85	8	4	3	-	2-3	7-8	4000	0	60	52	*	-	-	0.8				
	Aldergrove	268	1027.3	-8	SE	2	51	92	8	-	-	1026.0	-6	S	1	56	92	8	5	2	-	1-6	2000	1	65	48	40	-	-	2.1					
19	Birr Castle	173	1026.5	-1	SE	1	55	97	8	-	-	1025.7	+2	SE	2	56	97	8	5	1	-	7-8	10	2500	0	67	50	47	-	-	3.1				
20	Valentia Obsy.	30	1026.1	-8	SE	3	58	97	8	5	-	1024.7	-6	SE	4	61	92	8	5	-	0	0	1500	1	65	55	52	-	-	8.4					
	Roches Point	22	1027.5	-6	S	2	56	97	2	5	-	1026.4	0	S	1	57	97	2	5	-	0	0	1500	0	67	54	*	-	-	0.3					

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

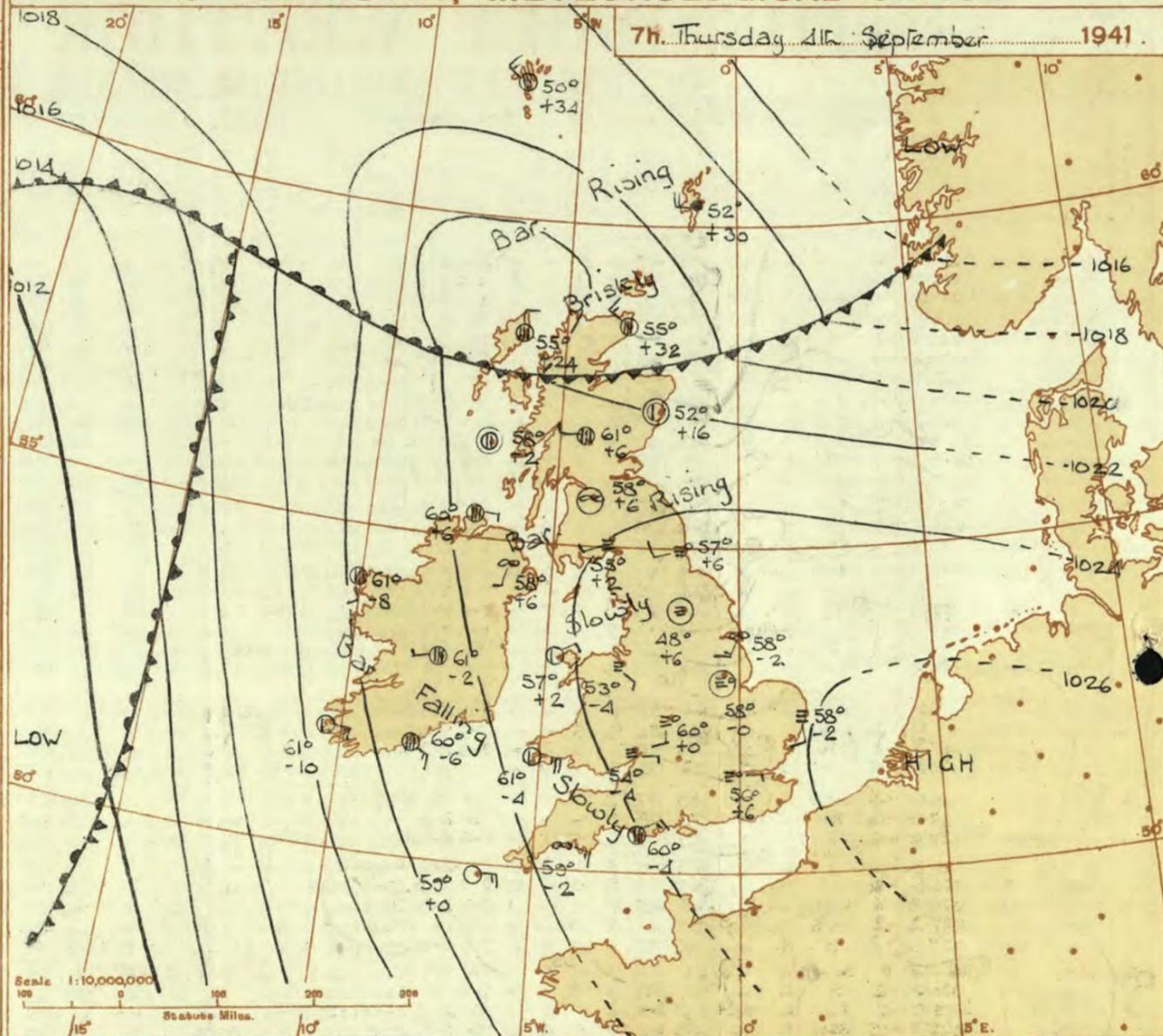
STATIONS.	Height above M.S.L. in feet.	Weather			Temperature.			Rainfall.		Sunshine.		Humidity.		Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
		Morning	Afternoon	Night	Day Max.	Night Min.	Min. on Grass	Day	Night	15h. to Sunset.	9h. G.M.T.	Yesterday.	To-day.	

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 3rd September				18h. G.M.T.				01h. G.M.T. 4th September				07h. G.M.T.			
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN
109	57	03833	14327	53	02854	19224	5-	14758	53628	67	61834	24457			
115				51	02644	20587	52	52738	20558	52	62838	04268			
203				5-	22152	02746									
206	54	01973	24423	53	02964	22225	87	02862	57325	84	02964	24227			
210	04	01990	20124	70	01972	53513	54	01964	21315	54	02964	20415			
220				52	57218	21458				57	02853	17110			
230	84	00942	20212	5-	02857	20217	5-	02757	00027	5-	02748	00028			
245	14	01751	20415	14	00861	20401	00	00890	20400	54	00862	22303			
260	10	01864	19314				50	05654	20204	5-	02767	00017			
278	5-	02247	14327	5-	52508	14358	5-	51208	12258						
279	53	00763	21313	00	00890	22201	5-	05637	22227	5-	21518	20158			
285				00	00790	30300				13	04651	32112			
288	00	01890	20213				00	47190	00040	--	46109	18149			
575	5-	02845	16115	74	01854	12114	50	00761	12221	5-	02837	12127			
301	00	05690	24210	00	00790	30101	00	47190	00040	00	43390	08140			
321	10	05661	16201	00	05690	15200	00	47290	00040	00	47190	28140			
299				--	44309	20349	00	05590	12140	00	45090	20240			
292	00	01790	20114	00	17590	00000	00	43190	00040	--	45005	00059			
310	--	05544	24314	--	05642	24212	--			--	01643	24313			
614	10	05661	26111	00	05690	22110	00	45290	00040	5-	43115	00047			
333	5-	51848	16258	00	00890	12111	00	05690	00000	00	00790	00000			
334				--	00890	24101	--			--	04257	00017			
340	10	00763	19213	00	00790	16103	00	47290	31100	--	46109	14149			
136				10	0764	30204	53	41411	14244	00	05690	14240			
336	14	01762	16313	54	01762	16313	--			--	46209	16349			
350	20	05664	06114	20	05663	16113	03	08409	12214	55	05563	12214			
368	10	01853	2244	44	00862	10113									
379	10	01764	20214	00	00790	20210	00	05690	12100	00	43390	14243			
390	2-	01754	00024	03	01790	21114	5-	05567	09227	--	46209	10249			
382	70	05645	00025	00	00790	00000	00	47290	00040	00	43190	00040			
438	5-	45429	17249				--			--	48009	04349			
430	10	05651	12311	--	48109	04249	00	49490	04140	00	05590	06140			
400	10	01744	12324	14	00842	11303	00	00790	12400	00	00790	10301			

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
G, C_M = Form of low and medium cloud—See page 1.
V = Visibility—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 4th Sept. 1941.

1 S.E. England	Light variable winds; fine, but with considerable morning fog; rather warm.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light or moderate S.E. wind; fine and rather warm.
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	
13B. N.W. Scotland	
14 Mid Scotland	Light or moderate variable wind; mainly cloudy; some slight local rain at first; average temperature.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	Moderate S.E. winds; fair rather warm.
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 CHANGES 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—

 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 off Eastern England is moving slowly away eastwards, while a feeble trough of low pressure is moving slowly south across Scotland. Weather will be mainly fair or fine, but with considerable morning fog over much of England, and with some local rain in North Scotland at first.

FURTHER OUTLOOK.

Mainly fine or fair.

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.

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

Explanation of Frontal Lines shown on Charts

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

Morning of
Thursday 4th September
1941.



Clark's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS:— ○ Clear sky. ◐ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◒ Sky 7/10 to 9/10 clouded. ◓ Overcast sky. ☔ Rain falling. ❄ Snow. ⚡ Sleet. ⚡ Hail. Fog. ☁ Mist. ⚡ Thunder. ⚡ Thunderstorm. ☁ Slight haze. ☁
 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.

OBSERVATIONS at 1 hr. G.M.T. 4th September														OBSERVATIONS at 7 hr. G.M.T. 4th September														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. %	Visibility.	Cloud.				Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUR- SHINE Hrs.	
					Dir.	Force.					Form.	Amount.	Height of Base (feet).	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.
1	London (Kew)	18	1025.2	+2	S	1	bc	57	97	7	1	1	1	1	1025.8	+2	E	2	bc	59	92	4	1	1	1	1	1	1	1	78	59	49	-	-	4.0
	Croydon	217	1026.2	+2	S	1	bc	57	97	7	1	1	1	1	1025.9	+6	E	2	bc	56	97	4	1	1	1	1	1	1	1	78	59	50	-	-	5.8
	S. Farnborough	226	1025.6	-6	ESE	1	bc	61	97	5	1	1	1	1	1025.3	+2	ESE	1	bc	58	97	4	1	1	1	1	1	1	1	78	53	48	-	-	5.8
	Boscombe Down	417	1025.8	-8	ESE	1	bc	58	97	3	1	1	1	1	1025.3	+2	ESE	1	bc	58	97	4	1	1	1	1	1	1	1	74	55	50	-	0.1	3.0
	Thorney Island	10	1025.2	-10	SE	2	bc	58	97	2	1	1	1	1	1024.7	+4	ESE	2	bc	61	97	6	1	1	1	1	1	1	1	71	54	52	-	-	7.0
	Lympne	346	1026.0	-6	S	1	bc	59	95	6	1	1	1	1	1025.6	0	E	1	bc	60	97	6	1	1	1	1	1	1	1	68	50	45	-	-	0.5
	Manston	164	1026.4	-4	S	1	bc	57	97	1	1	1	1	1	1025.8	0	E	1	bc	57	97	1	1	1	1	1	1	1	1	71	55	50	-	0.3	8.0
2	Shoeburyness	11	1026.4	-4	NE	1	bc	59	97	2	1	1	1	1	1026.3	+2	E	1	bc	58	97	2	5	1	1	1	1	1	1	70	57	57	-	-	6.6
	Felixstowe	16	1026.4	-4	NE	1	bc	58	97	1	1	1	1	1	1026.0	+2	E	1	bc	58	97	2	1	1	1	1	1	1	1	70	57	58	-	Tr	3.7
	Corleston	5	1026.3	-4	SE	1	bc	58	97	1	1	1	1	1	1025.9	-2	SE	1	bc	58	97	1	1	1	1	1	1	1	1	64	57	56	-	Tr	7.0
	Mildenhall	19	1026.2	-6	SE	2	bc	57	97	5	1	1	1	1	1025.7	+2	SE	2	bc	56	97	6	1	1	1	1	1	1	1	77	55	51	-	Tr	9.0
	Cranwell	240	1025.6	-6	S	3	bc	60	92	4	1	3	1	1	1024.8	0	S	3	bc	58	85	4	1	1	1	1	1	1	1	74	53	48	-	-	10.9
3	Birmingham	535	1025.6	-4	S	0	bc	62	97	4	1	1	1	1	1025.3	0	S	2	bc	60	92	4	1	1	1	1	1	1	1	74	58	45	-	-	9.0
	Upper Heyford	408	1025.6	-4	S	0	bc	62	97	4	1	1	1	1	1025.4	+2	S	2	bc	57	97	4	1	1	1	1	1	1	1	75	55	54	-	Tr	7.0
4	Ross-on-Wye	223	1025.6	-4	S	0	bc	62	97	4	1	1	1	1	1024.9	-4	E	1	bc	54	97	1	1	1	1	1	1	1	1	75	53	48	-	Tr	9.0
5	Hartland Point	299	1023.3	-6	E	1	bc	61	85	8	1	1	1	1	1022.1	-2	ESE	3	bc	59	85	8	1	4	1	1	1	1	1	67	57	53	-	-	2.3
	Bristol	209	1023.2	-2	E	1	bc	55	97	2	1	1	1	1	1024.8	+2	SE	1	bc	59	97	2	1	1	1	1	1	1	1	76	55	48	-	0.1	3.4
	Portland Bill	32	1024.1	-12	E	3	bc	58	97	2	1	1	1	1	1023.3	-4	NE	3	bc	60	92	7	1	1	1	1	1	1	1	64	58	48	-	0.1	3.4
	Plymouth	82	1023.9	-10	E	2	bc	58	92	6	1	1	1	1	1023.0	-2	ESE	3	bc	59	97	7	1	1	1	1	1	1	1	73	56	55	-	Tr	6.4
	The Lizard	240	1022.7	-8	ESE	5	bc	57	97	1	1	1	1	1	1021.5	-2	ESE	4	bc	58	97	1	1	1	1	1	1	1	1	61	57	50	-	0.3	0.0
	Scilly (St. Mary's)	163	1022.0	-8	ESE	4	bc	58	97	1	1	1	1	1	1020.8	0	E	3	bc	59	97	6	1	1	1	1	1	1	1	62	57	50	-	0.1	0.0
	Guernsey	175	1022.0	-8	ESE	4	bc	58	97	1	1	1	1	1	1020.8	0	E	3	bc	59	97	6	1	1	1	1	1	1	1	62	57	50	-	0.1	0.0
6	Pembroke	142	1024.2	-6	ESE	3	bc	60	97	8	1	1	1	1	1022.9	-4	ESE	5	bc	61	92	6	1	1	1	1	1	1	1	67	58	48	-	Tr	5.9
7	Holyhead (Valley)	26	1024.1	-14	NE	1	bc	55	97	6	1	1	1	1	1023.1	+2	NE	1	bc	57	97	7	1	1	1	1	1	1	1	64	52	48	-	Tr	7.0
	Chester (Sealand)	16	1025.4	-4	S	1	bc	54	97	3	1	1	1	1	1024.3	-4	SE	1	bc	53	97	7	1	1	1	1	1	1	1	79	52	47	-	-	10.7
8	Manchester	70	1025.5	-6	S	1	bc	50	97	0	1	1	1	1	1024.8	+2	ESE	1	bc	52	97	1	1	1	1	1	1	1	1	75	49	46	-	-	8.0
10	Spurn Head	29	1025.6	-10	SE	2	bc	59	97	6	1	1	1	1	1024.9	-2	SSW	3	bc	58	97	6	1	1	1	1	1	1	1	63	57	48	-	Tr	1.1
	Catterick	175	1025.2	-6	S	2	bc	55	92	4	1	1	1	1	1025.0	+6	S	2	bc	48	97	3	1	1	1	1	1	1	1	76	47	42	-	-	11.6
	Tynemouth	108	1024.8	-4	W	1	bc	54	92	6	1	1	1	1	1024.6	+6	WSW	2	bc	57	92	4	2	1	1	1	1	1	1	63	54	47	-	-	7.0
11	St. Abbs Head	280	1023.4	-4	SSW	3	bc	58	85	7	1	1	1	1	1023.2	+12	S	3	bc	57	85	8	5	4	1	1	1	1	1	68	52	48	-	-	7.0
	Leuchars	36	1022.2	-8	WSW	3	bc	56	92	8	1	1	1	1	1022.4	+10	S	3	bc	57	97	6	5	1	1	1	1	1	1	72	55	50	-	-	11.1
12	Renfrew (Abbots I.)	19	1023.7	-10	S	1	bc	56	97	7	1	1	1	1	1023.5	+6	S	1	bc	58	92	6	5	1	1	1	1	1	1	69	55	51	-	-	8.9
	Eskdalemuir	794	1024.1	-8	SE	3	bc	56	97	1	1	1	1	1	1024.4	+2	SW	1	bc	55	97	2	1	1	1	1	1	1	1	63	51	41	-	0.1	4.0
	Point of Ayre	30	1024.1	-8	SE	3	bc	56	97	1	1	1	1	1	1023.9	+2	SE	3	bc	59	97	8	5	4	1	1	1	1	1	68	51	41	-	-	11.3
13A	Tiree	22	1022.0	-4	S	3	bc	57	92	8	1	1	1	1	1022.2	+2	S	3	bc	58	97	7	5	1	1	1	1	1	1	63	53	48	-	-	3.6
13B	Stornoway	80	1018.7	-2	SSW	6	bc	58	92	7	1	1	1	1	1022.5	+4	N	2	bc	55	92	8	5	7	1	1	1	1	1	60	54	48	-	-	0.0
15	Dalwhinnie	1176	1023.0	-6	W	1	bc	61	85	8	1	1	1	1	1023.9	+6	W	1	bc	61	85	8	8	1	1	1	1	1	1	66	55	44	-	-	11.0
	Aberdeen	79	1022.0	+6	W	1	bc	52	92	7	1	1	1	1	1022.0	+6	W	1	bc	52	92	7	4	1	1	1	1	1	1	73	49	43	-	-	8.9
	Wick	119	1018.7	-2	SW	3	bc	61	92	9	1	1	1	1	1021.6	+32	NW	3	bc	55	97	6	5	1	1	1	1	1	1	71	54	53	-	Tr	7.0
16	Sumburgh	30	1015.6	-8	SW	5	bc	55	97	6	1	1	1	1	1019.4	+30	W	4	bc	52	97	7	6	2	1	1	1	1	1	57	52	49	-	-	0.0
17	Blackrod Point	18	1020.3	-10	S	1	bc	61	92	8	1	1	1	1	1020.3	-8	SE	1	bc	61	92	8	4	1	1	1	1	1	1	68	57	48	-	-	7.0
18	Malin Head	84	1021.4	-10	SSW	1	bc	62	92	8	1	1</																							

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 13h. G.M.T. 4th September															OBSERVATIONS at 18h. G.M.T. 4th September															PAST 24 HOURS.						
Diurnal.	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.			State of Ground.	Sea.	WEATHER.										
				Dirac.	Force.					Form.	Amount.	Height of Base. (feet).			Dirac.	Force.					Form.	Amount.	Height of Base. (feet).			7h.—13h. 4th	13h.—18h. 4th	18h.— 1h.	4h 5th	1h.—7h. 5th						
																															Low.	Med.	High	Low	Total	High
1	London (Kew)...	1023.8	-12	E	2	Zo	75	65	6	8	-	7.8	7.8	4000	1022.3	-4	E'N	2	Zo	71	75	6	4	-	9	2.3	4.6	5700	1	*	bmo wbczo	bzo	blocm wcmo	bcsw		
	Croydon ...	1023.8	-10	SE	1	bc	77	65	7	2	-	4.6	4.6	2500	1022.1	-2	E	1	bc	70	85	7	-	-	4	0	2.3	-	0	*	cmo zbc	bcbemo	bmowfe	ose		
	S. Farnborough	1023.7	-10	ESE	2	Zo	77	65	7	2	-	4.6	4.6	3500	1021.5	-6	Zo	74	75	7	-	-	3	-	0	Tr	-	0	*	bmbemo	bcbemo	bmogw	bmwoF			
	Boscombe Down	1023.4	-10	SE'S	4	Zo	76	65	7	1	-	2.3	4.6	1200	1021.9	-2	SSE	2	Zo	71	65	7	-	-	0	0	0	-	0	*	bembemo	bembemo	bmogw	bmogw		
	Thorney Island	1023.8	-6	E'S	2	Zo	76	65	6	1	-	Tr	4.6	2500	1021.5	-8	E'S	2	b	71	75	7	-	-	3	0	Tr	-	0	*	bmbemo	bembemo	bmogw	bfgcmw		
	Lympe	1024.2	-10	SE	2	Zo	74	65	6	1	-	1	2.3	4000	1022.4	-6	NE	1	Zo	67	75	6	-	-	2	0	9	-	0	*	bmo	bmb	cbcmw	bmogw		
	Manston	1024.9	-6	-	0	Zo	72	85	6	-	-	1	0	-	1023.0	-6	NE'E	1	Zo	60	97	1	-	-	4	0	4.6	-	0	*	ofec, bmo	bmb	bcmogw	bfgcmw		
2	Shoeburyness ...	1025.3	-12	E	2	Zo	61	92	4	5	-	10	10	450	1023.2	-8	E'N	2	F	60	97	1	5	-	10	10	450	0	*	ffcmogw	omffe	osbef	osfsg			
	Felixstowe ...	1025.5	-6	ESE	2	Zo	62	92	6	5	-	9	9	400	1023.1	-10	E	3	Zo	62	92	5	-	-	6	0	4.6	-	0	2	*	oid, fofem	cmobemo	bcmogw	ofcfs	
	Gorleston ...	1026.1	0	SE	2	Zo	62	85	6	-	-	0	0	-	1023.9	-9	SE	1	f	59	97	2	-	-	10	10	450	1	2	*	offcmogw	kmoffe	ofe	offcmogw		
	Mildenhall ...	1024.5	-10	ESE	1	bc	77	75	7	1	-	4.6	4.6	3000	1022.4	-10	ESE	1	bc	73	85	7	-	-	7	1	0	4.6	-	0	*	bmbwbe	bc	bcmogw	cmogw	
	Cranwell ...	1024.3	-8	S	2	Zo	77	55	6	2	-	2.3	4.6	3000	1022.4	-4	SSE	1	Zo	72	85	6	5	4	2	2.3	7.8	4000	0	*	bcm, bazy	bazyzo	bcmogw	cb, ofe		
3	Birmingham	1023.8	-2	SE	2	bc	75	55	8	2	-	4.6	4.6	4000	1021.8	-8	SE	1	c	74	55	8	1	-	3	Tr	9	4000	1	*	bbe	bc	cb	baf		
	Upper Heyford	1024.1	-8	SSE	1	Zo	76	65	6	2	-	4.6	4.6	3000	1021.7	-6	E'N	2	Zo	73	75	6	-	-	6	0	7.8	-	0	*	cmobemo	bazy	bcmogw	cmobemo		
	Ross-on-Wye ...	1023.1	-16	SE'E	2	bc	75	65	6	2	-	2.3	2.3	4000	1021.1	-14	SSE	1	Zo	74	75	7	8	-	-	2.3	2.3	4000	1	*	Fcfzobe	bc	bcmogw	FFW		
5	Hartland Point	1021.1	-8	NE	2	b	69	75	7	1	-	Tr	1	3000	1019.4	-6	ENE	2	b	71	65	8	-	-	0	0	-	0	2	*	bbe	b	b	bfc		
	Bristol ...	1023.2	-16	SE'S	3	Zo	77	65	6	2	-	7.8	7.8	3000	1021.1	-10	SE	1	b	73	65	7	1	-	-	Tr	Tr	4000	0	*	ofewcm	bcmob	bbmo	bmogw		
	Portland Bill ...	1022.4	-6	E	3	f	62	92	2	5	-	10	10	450	1020.5	-10	E	3	bc	62	92	7	5	-	-	4.6	4.6	2500	1	3	*	bcoff	bc	b	c	
	Plymouth ...	1021.5	-14	E	4	Zo	73	75	7	-	-	1	0	Tr	-	1019.7	-6	ESE	5	b	69	75	7	-	-	0	0	-	0	3	*	bmo	bmb	bmogw	cmogw	
	The Lizard ...	1021.0	-4	E	4	o/f	64	85	8	4	-	2.3	2.3	2500	1018.7	-8	E'N	4	m	62	92	4	4	-	-	2.3	2.3	2500	0	3	*	bffb	bmbem	mbcm	FFe	
	Soilly (St. Mary's)	1020.6	-8	SE'E	5	b	66	85	7	-	-	0	0	-	1018.3	-6	ESE	3	b	63	92	7	-	-	-	0	0	-	1	4	*	bffb	b	bwofe	oife	
	Guernsey ...	1020.6	-8	SE'E	5	b	66	85	7	-	-	0	0	-	1018.3	-6	ESE	3	b	63	92	7	-	-	-	0	0	-	1	4	*	bffb	b	bwofe	oife	
6	Pembroke ...	1022.1	-12	ESE	5	bc	68	85	6	-	8	1	0	2.3	-	1019.9	-10	ESE	4	bc	68	85	6	-	-	0	2.3	-	0	2	*	bcm	bzo	bz	bczo	
	Holyhead (Valley)	1022.7	-6	SSW	1	bc	75	55	8	1	6	4	1	2.3	3500	1020.9	-8	NE	3	bc	72	65	7	2	-	6	1	4.6	3000	0	1	*	by	bcybc	bcmogw	bcmogw
	Chester (Sealand)	1022.2	-10	SE'S	3	Zo	78	55	6	1	-	2.3	2.3	2500	1021.8	-6	SE	1	e	77	65	7	-	-	3	6	0	7.8	-	0	*	FFbz	bcbzyc	cmogw	bcmogw	
	Manchester ...	1024.0	-10	SSW	1	bc	78	55	7	1	-	4.6	4.6	2000	1022.0	-4	-	0	e	75	65	6	-	-	0	0	0	-	0	*	Ffzobey	bcbzyc	cmogw	bcmogw		
10	Spurn Head ...	1025.1	-4	E'S	2	Zo	65	85	5	1	6	-	2.3	4.6	4000	1023.8	0	ENE	2	Zo	61	92	5	7	-	1	Tr	7.8	4000	0	2	*	fm	bcm	off	off
	Catterick ...	1024.3	-12	-	0	c	76	65	8	7	-	7.8	7.8	3000	1023.5	0	E	1	Zo	70	75	6	5	-	2	2.3	7.8	2000	0	*	bfbcm.c	cbzobz	bybcmogw	cmogw		
	Tynemouth ...	1024.9	-6	SW'W	3	c	68	75	7	8	-	9	9	1800	1024.4	+2	ENE	3	bc	62	85	7	5	4	2	1	4.6	2800	0	2	*	cm, bcc	cbc	bcc	cmogw	
11	St. Abbs Head	1023.3	0	NW	1	bc	72	75	8	7	4	-	2.3	2.3	3000	1024.2	+8	SE	3	c	59	92	9	7	4	9	4.6	9	2500	0	1	*	cbc	bcc	cbc	FFe
	Leuchars ...	1023.0	-4	WSW	1	bc	71	75	8	8	-	4	4.6	3500	1024.3	+10	NE	3	c	58	85	7	5	3	-	9	9	2200	0	*	bcmbe	cm.c	cm.	cm.		
	Renfrew (Abbots L.)	1023.8	-2	WNW	1	Zo	68	75	7	7	-	4	4.6	2000	1022.7	-10	NW	2	c	67	85	7	5	3	6	7.8	9	2000	0	*	cmobe	bcc	cbcmogw	cm.		
	Eskdalemuir ...	1023.9	-4	SW	2	c	67	75	7	8	-	2	7.8	7.8	2500	1022.4	-4	-	0	bc	68	75	8	1	-	5	Tr	2.3	2500	1	*	ofc	cbcob	bbmo	bbe	
	Point of Ayre ...	1024.1	-2	SE	3	Zo	65	85	5	5	-	9	9	1500	1022.2	-8	E'S	2	bc	63	85	8	-	-	5	0	2.3	-	0	2	*	ffc	cbzbc	bzow	bccm	
13A	Tiree ...	1023.2	0	S	2	Zo	62	92	6	5	-	9	9	800	1022.7	-2	SE'S	2	bc	59	92	8	5	3	6	2.3	4.6	2500	0	3	*	cfm.	cbc	b	bcc	
	Stormoway ...	1024.3	+8	NE	4	c	56	85	8	5	-	2.3	9	2500	1024.3	0	NNE	4	c	58	92	8	5	7	-	2.8	10	2500	1	2	*	cpr.	cpr	c	c	
	Dalwhinnie ...	1023.2	0	W	1	c	70	65	8	2	-	4.6	9	4000	1024.6	-2	SSE	4	c	70	75	8	5	-	-	9	9	2500	0	*	c	c	c	c		
	Aberdeen ...	1024.6	+12	ENE	1	c	61	85	7	7	-	2	4.6	2700	1025.7	+8	NE'E	2	c	56	85	8	7	7	-	2.3	10	2500	0	2	*	bbe	bcc	cpr.	cm.	
	Wick ...	1024.7	+14	N	3	c	57	85	9	5	7	-	2.3	7.8	2000	1025.8	+6	SE	1	c	55	97	8	5	7	8	Tr	9	3000	0	+	*	cbc	bcc	crrc	cm.e
	Sumburgh ...	1023.7	+16	WN	3	c	57	85	8	4	-	7.8	7.8	1000	1025.6	+10	NW'W	3	c	54	85	9	5	7	-	7.8	9	1800	0	*	r	bc	c	bcc		
17	Blacksod Point...	1019.2	-6	ESE	3	bc	67	85	9	-	4	0	4.6	-	1017.9	-6	-	0	c	68	85	8	-	-	7	0	10	-	0	1	*	bc	c	bc	bc	
	Malin Head ...	1021.8	-6	E	5	c</																														

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 4th. September				18h. G.M.T.				01h. G.M.T. 5th. September				07h. G.M.T.			
III	C _m	wwVhN	DDFWN	C _m	wwVhN	DDFWN	C _m	wwVhN	DDFWN	C _m	wwVhN	DDFWN	C _m	wwVhN	DDFWN
109	77	02844	30324	73	01943	02214	5-	02867	09227	57	61945	08366			
115	54	02934	08266	52	81834	10427	52	02834	08487	52	02844	12327			
203	5-	61838	04328	5-	02837	08327	5-	02947	24227						
206	57	22963	08367	57	02862	08328	5-	03858	07128	5-	03738	00028			
210	57	02965	06327	5-	22878	06368	5-	52648	08358	5-	02867	20127			
220				52	02845	14218				57	02853	14218			
230	8-	02857	00027	74	05751	20214	5-	02756	10126	56	01753	00013			
245	8-	02865	06415	5-	02767	04427	52	02736	04268	5-	51628	12328			
260	73	01764	29114	86	02865	03216	5-	05627	04327	5-	05528	06128			
279	5-	02747	12357	00	01890	09213	00	00790	14201	8-	25765	10285			
279	70	01755	00125	20	01851	32114	03	05690	04412	50	05561	06321			
285	5-	02857	30227	23	01744	08415				5-	45137	24147			
288	7-	05657	05127	00	01790	07113	50	45264	03144	--	44305	05348			
301	10	05661	26201	00	05690	00015	03	08490	08343	03	05690	08213			
321	10	05664	00044	50	05661	04326	5-	05555	30225	--	48109	02129			
299	50	05653	28243	50	05554	28214	--	48009	04249	--	57009	06259			
292	18	00763	00003	41	02765	12127	5-	02758	10158	5-	02638	06228			
310	--	03636	2646	--	01644	26414				--	46109	04349			
314	20	01763	18114	00	05690	00027	00	45309	00019	--	48109	06249			
333	1-	01861	18203	5-	01853	24114	00	05690	00010	03	05690	08103			
334	--	01773	27214	--	01773	24204				--	08309	00017			
340	10	01764	14204	10	05671	08115	03	08490	08214	--	44309	12349			
136	50	05665	20115	00	02690	08215	00	08490	06113	--	46109	07249			
336	54	01762	16214	54	01752	12314				54	05543	16245			
350	10	05662	22213	47	05662	09214	00	47390	04100	--	43109	04249			
368	10	05653	08343	40	00861	09101									
379	20	01754	12344	0-	05690	12313	00	08490	08100	00	08490	06214			
390	1-	01654	12104	00	01790	14214	--	46109	00049	--	46109	08149			
382	10	05654	11214	70	05664	00014	00	04590	00000	--	48109	00049			
435	50	05661	04201							50	02665	04315			
430	20	05661	08313	00	00790	10201	00	05690	02100	00	05590	32117			
400	00	00790	13501	00	05790	11500	03	05690	10302	53	02626	15157			

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



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 5th. September
1 S.E. England	Light east wind and veering southwest. Fair but cloudy periods; local fog early morning; rather warm.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light or moderate southwest wind; much low cloud, but some breaks inland during day. Perhaps local drizzle; local coast and hill fog; close
6 South Wales ...	
7 North Wales ...	As 0-4
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Light east wind; cloudy but some breaks inland during day. Local coast fog; average temperature.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Light southeast or east wind. Fair; cloud increasing later; warm.
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	Light southeast wind, veering later. Cloud increasing, perhaps slight rain later; warm.
18 N. E. Ireland	
19 S. E. Ireland	Light or moderate southwest wind. Cloudy; local drizzle; close.
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.

The anticyclone off North Scotland is giving way and a small new anticyclone has formed off Southwest Spain. There is a deep depression in the West Atlantic and a shallow depression off Valencia, with a trough to Southwest England is moving northeast, but is not causing any rain. Drizzle may occur in the Southwest but weather will be fair in most areas, with variable cloud.

FURTHER OUTLOOK.

Unsettled in the West, doubtful in the East, but probably mainly fair.

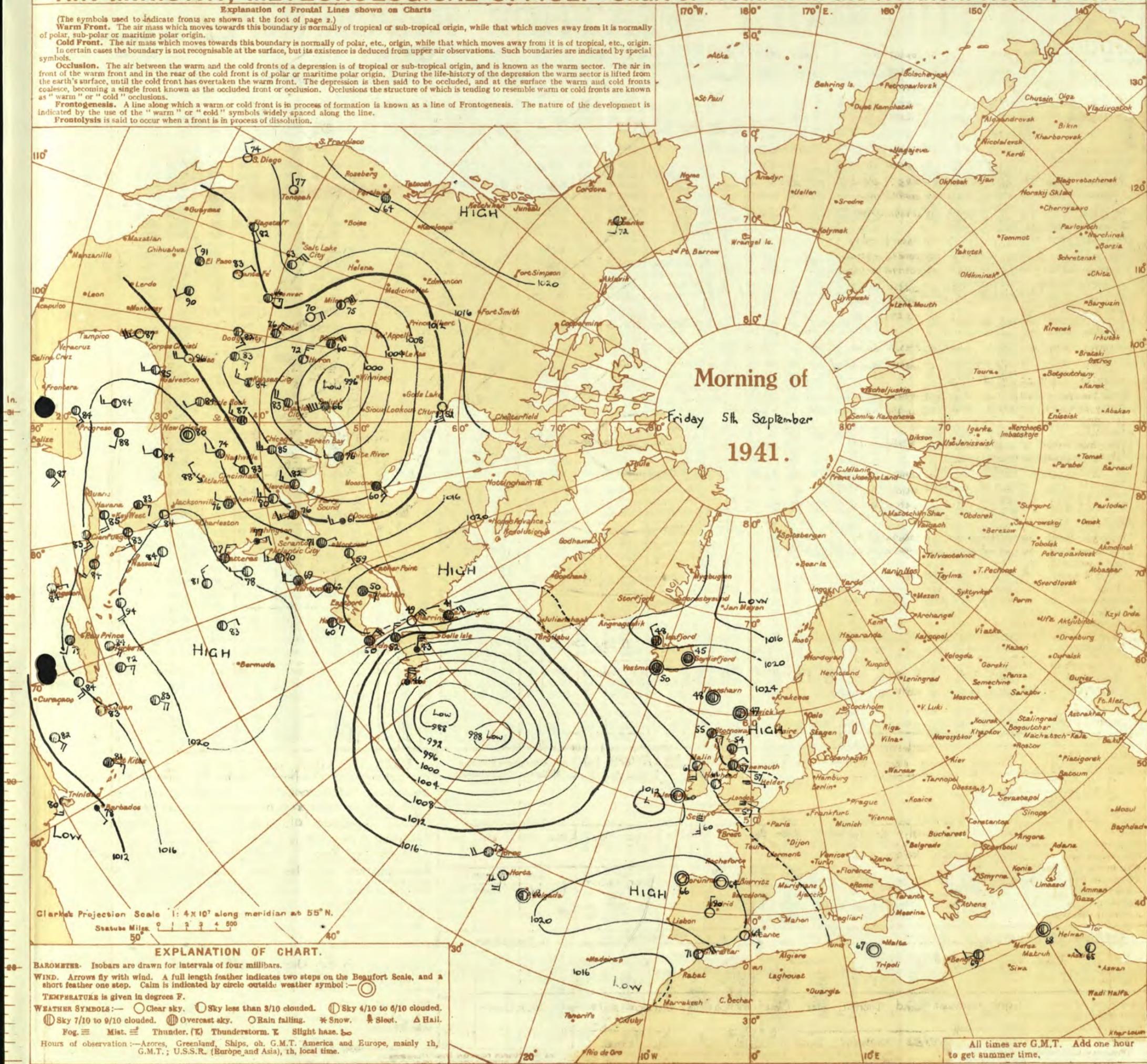
Forecasts issued at 1030 G.M.T.
 H.M.S.O. Press, Meteorological Office, Dunstable.

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.

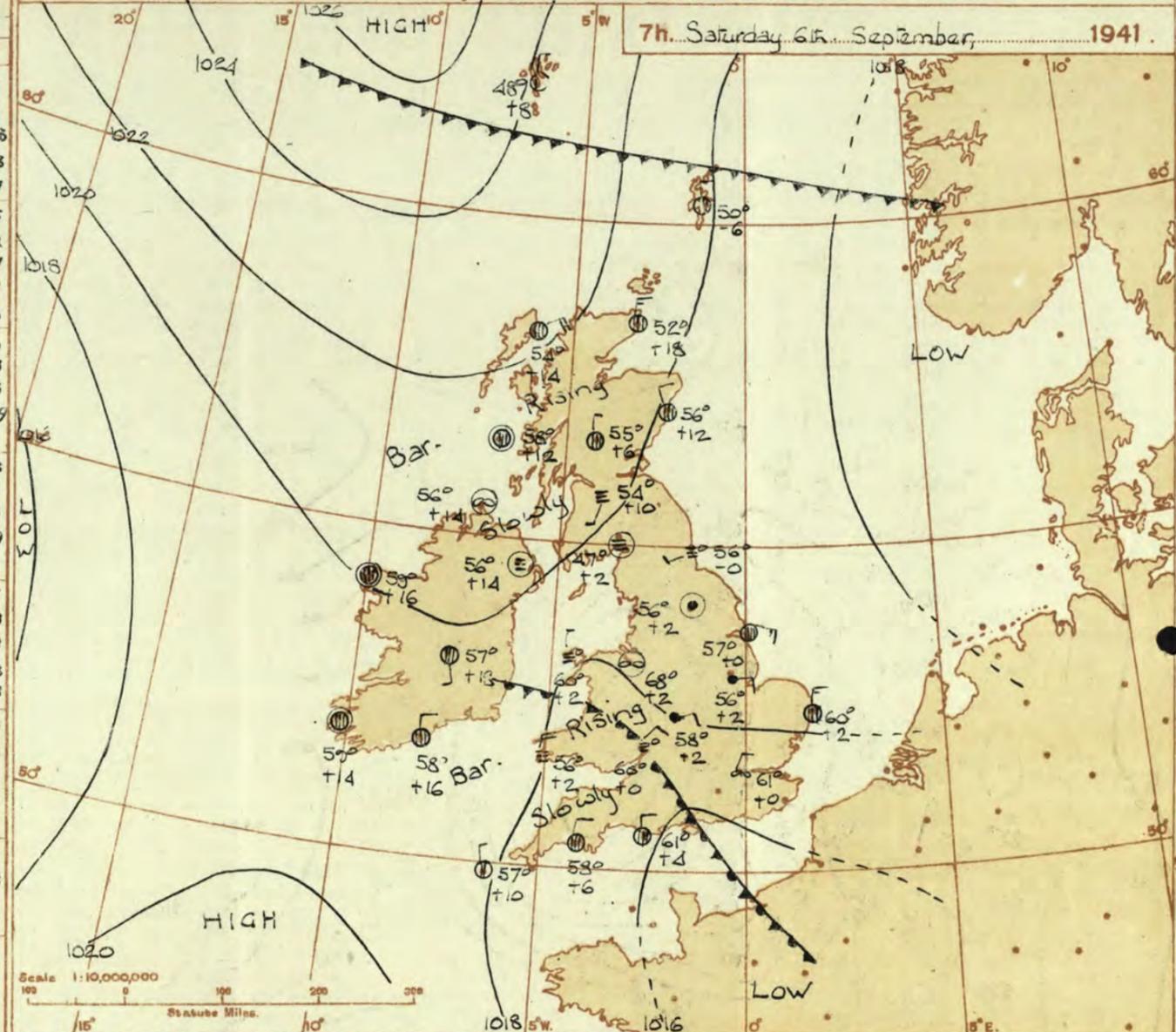
OBSERVATIONS at 1 hr. G.M.T. 5th September															OBSERVATIONS at 7 hr. G.M.T. 5th September															PAST 24 HOURS.					
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility (22)	Cloud.				Sea. (30)	TEMPERATURE.			RAINFALL.		SUNSHINE Hrs. (36)		
					Dirac.	Force.					Form.	Amount.	Height of Base (feet) (14)	Form.			Amount.	Height of Base (feet) (28)					State of Ground. (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	*	*	*	*	*	*	*	*	*	*	1018.6	-1.0	NE	1	bc	59	97	2	-	-	-	10	10	150	1	77	59	51	-	-	7.3		
	Croydon	217	1021.6	-1.0	E	2	bc	57	97	2	-	-	1020.0	-1.6	NE	2	bc	59	97	3	-	-	-	10	10	150	1	78	58	54	-	-	9.0		
	S. Farnborough	226	1021.2	-1.0	E	2	bc	58	97	4	-	-	1019.5	-1.0	E	2	bc	59	97	3	-	-	-	10	10	150	1	79	58	55	-	-	9.0		
	Boscombe Down	417	1020.8	-1.0	E	2	bc	58	97	5	-	-	1019.7	-1.2	E	2	bc	57	97	1	-	-	-	10	10	150	1	77	56	53	-	-	9.0		
	Thorney Island	10	1020.4	-1.0	E	2	bc	58	97	4	-	-	1019.0	-1.0	E	2	bc	59	97	6	-	-	-	4	0	0	0	0	77	55	50	-	-	*	
	Lymington	346	1021.4	-1.0	E	2	bc	58	97	4	-	-	1019.9	-1.0	E	2	bc	59	97	4	-	-	-	-	-	-	-	0	75	56	50	-	-	10.5	
Manston	154	1021.3	-1.0	E	2	bc	55	97	1	-	-	1019.2	-1.0	E	2	bc	61	97	2	-	-	-	-	-	2	0	0	0	69	55	49	-	-	6.3	
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	1020.1	-1.0	NE	2	bc	60	97	2	5	-	-	10	10	150	0	63	55	(53)	-	-	0.0		
	Felixstowe	15	1021.0	-1.0	E	2	bc	58	97	1	-	-	1020.3	-1.0	E	2	bc	60	97	4	5	-	-	0	0	100	1	65	57	56	-	-	4.3		
	Gorleston	5	1023.1	-1.0	E	2	bc	56	97	1	-	-	1021.5	-1.0	E	2	bc	59	97	3	5	-	-	10	10	800	1	62	56	54	-	-	*		
	Mildenhall	19	1022.0	-1.0	E	2	bc	53	97	6	-	-	1020.4	-1.0	E	2	bc	55	97	3	5	-	-	10	10	150	0	81	49	43	-	-	9.8		
Cranwell	240	1022.6	-1.0	E	2	bc	59	97	5	-	-	1021.0	-1.0	E	2	bc	57	97	1	-	-	-	-	-	10	10	150	0	79	55	53	-	-	9.7	
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	1020.5	-1.0	E	3	bc	59	92	4	5	-	-	0	0	450	1	77	58	51	-	-	10.2		
	Upper Heyford	408	1021.4	-1.0	E	3	bc	61	97	4	5	-	1020.0	-1.0	E	3	bc	56	97	4	1	-	-	4	0	7.8	1	77	55	54	-	-	*		
4	Ross-on-Wye	223	1021.4	-1.0	E	3	bc	61	97	4	5	-	1019.6	-1.0	E	3	bc	56	97	1	-	-	-	4	0	2.3	1	77	55	54	-	-	*		
5	Hartland Point	299	1018.0	-1.0	E	4	bc	63	85	7	-	-	1016.6	-1.0	E	4	bc	61	92	7	1	4	3	1	4	3000	0	74	60	59	-	-	12.0		
	Bristol	209	1020.7	-1.0	E	4	bc	56	97	5	-	-	1019.2	-1.0	E	4	bc	56	97	4	-	-	-	2	0	4.6	0	78	54	46	-	-	7.8		
	Portland Bill	32	1019.3	-1.0	E	4	bc	60	92	7	-	-	1018.5	-1.0	E	4	bc	62	92	7	5	-	-	10	10	1500	0	63	58	*	-	-	*		
	Plymouth	82	1018.7	-1.0	E	4	bc	63	85	7	-	-	1017.8	-1.0	E	4	bc	61	97	7	5	-	-	10	10	4000	0	73	61	56	-	-	11.0		
	The Lizard	240	1017.4	-1.0	E	4	bc	59	97	7	4	-	1017.5	-1.0	E	4	bc	59	97	1	5	-	-	10	10	400	0	65	58	*	-	-	8.8		
	Scilly (St. Mary's)	163	1017.0	-1.0	E	4	bc	60	97	1	-	-	1016.3	-1.0	E	4	bc	61	97	6	5	-	-	10	10	1800	1	67	58	*	-	-	11.0		
Guernsey	175	1017.0	-1.0	E	4	bc	60	97	1	-	-	1016.3	-1.0	E	4	bc	61	97	6	5	-	-	10	10	1800	1	67	58	*	-	-	11.0			
8	Pembroke	142	1018.7	-1.0	E	5	bc	65	85	6	-	-	1017.4	-1.0	E	5	bc	61	92	6	8	6	-	4	4	2500	1	70	60	*	-	-	11.8		
	Holyhead (Valley)	26	1019.7	-1.0	E	5	bc	61	92	6	-	-	1018.0	-1.0	E	5	bc	60	92	5	-	-	-	0	Tr	0	1	77	59	56	-	-	*		
	Chester (Sealand)	16	1020.9	-1.0	E	5	bc	64	85	3	2	0	1019.9	-1.0	E	5	bc	59	92	3	5	-	-	4	4	400	1	79	58	51	-	-	9.3		
8	Manchester	70	1022.0	-1.0	E	5	bc	63	85	4	5	3	1020.5	-1.0	E	5	bc	61	85	4	5	3	-	7	8	5000	0	80	60	57	-	-	7.9		
10	Spurn Head	29	1023.5	0	E	2	bc	57	97	2	-	-	1022.4	0	E	2	bc	55	97	1	-	-	-	10	10	150	0	73	54	*	-	-	10.8		
	Catterick	175	1024.0	-2	E	2	bc	60	85	6	5	-	1022.8	+2	E	2	bc	54	97	2	-	-	-	10	10	150	0	77	53	48	-	-	9.3		
	Tynemouth	108	1024.7	-4	E	2	bc	57	92	6	5	-	1023.6	-2	E	2	bc	55	97	2	5	-	-	10	10	400	0	72	55	52	-	-	*		
11	St. Abbs Head	280	1023.5	-12	S	3	bc	54	97	7	4	4	1022.8	0	S	3	bc	54	97	1	-	-	-	10	10	150	1	(72)	53	*	-	-	*		
	Leuchars	36	1024.2	-8	E	2	bc	56	97	6	5	-	1022.9	-4	E	2	bc	56	97	6	5	-	-	10	10	500	0	77	56	55	-	-	8.4		
12	Renfrew (Abbots L.)	19	1023.3	-2	E	2	bc	58	85	6	5	-	1022.3	-2	E	2	bc	57	92	5	5	-	-	10	10	1200	0	73	57	53	-	-	3.7		
	Eskdalemuir	794	1023.3	-2	E	2	bc	58	85	6	5	-	1022.1	-2	E	2	bc	54	97	7	5	-	-	4	4	2500	1	70	54	50	-	-	5.3		
Point of Ayre	30	1021.4	-2	E	2	bc	59	97	6	5	-	1020.2	-2	E	2	bc	60	97	5	5	3	-	4	4	1600	0	65	58	*	-	-	6.2			
13A	Tiree	22	1021.4	-10	E	2	bc	57	92	8	-	-	1021.0	0	E	2	bc	57	92	7	5	-	-	4	4	2800	0	65	56	*	-	-	3.7		
13B	Stornoway	80	1022.7	-12	E	2	bc	55	92	8	5	7	1021.5	-4	E	2	bc	55	97	8	5	7	-	4	4	2500	0	58	53	*	-	-	0.0		
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	1022.5	-1.0	E	3	bc	56	85	8	5	-	-	0	0	1500	0	73	53	50	-	-	5.3		
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	1023.6	-1.0	E	3	bc	55	92	6	5	2	-	0	0	1500	1	70	54	53	-	-	5.3		
Wick	119	1025.1	-10	E	2	bc	53	97	7	5	7	1023.4	-1.0	E	2	bc	54	97	8	5	7	-	0	0	1500	1	70	54	53	-	-	5.3			
16	Sumburgh	30	1026.0	-2	N	1	bc	48	92	8	3	4	1025.0	-1.0	E	2	bc	50	92	8	5	7	-	4	4	2000	*	58	44	37	-	-	5.9		
17	Blackrod Point	18	1017.5	-4	E	1	bc	63	85	8	-	-	1016.0	-4	E	2	bc	61	85	7	-	-	-	0	0	0	2	71	53	*	-	-	*		
	Malin Head	84	1019.5	-10	S	3	bc	61	85	8	7	1	1018.6	-1.0	E	1	bc	62	85	6	-	-	-	0	0	0	2	72	58	*	-	-	11.4		
Aldergrove	268	1021.1	-6	E	1	bc	59	92	6	-	-	1019.8	+2	E	3	bc	60	92	5	5	7	-	2	3	3500	0	70	56	49	-	-	4.5			
19	Birr Castle	173	1017.9	-12	E	1	bc	61	92	8	-	-	1015.7	-14	E	2	bc	63	85	8	5	-	-	7	8	4000	0	75	56	54	-	-	8.3		
	Valentia Obay.	30	1015.6	-6																															

Abridged observations of additional stations in the
AVIATION WEATHER CODE

1st. G.M.T. 5th. Sept. 1st. G.M.T.				01h. G.M.T. 6th. Sept. 07h. G.M.T.								
III	C _M	wwVhN	DDFWN	C _M	wwVhN	DDFWN	C _M	wwVhN	DDFWN			
109	5	03838	10228	5	02418	10358	--	57309	05359	53	01943	30324
115	5	02844	12127	55	09234	12127	--	46109	08149	54	02937	08346
203	5	03838	04228	5	02338	04328	55	02844	04228	5	02838	04428
206	7	01865	08325	57	02965	08127	53	01642	00223	5	02848	32228
210	53	01861	01213	3	02867	31117	03	00690	20124	5	02754	32327
220	73	01853	13224	00	05790	29100	--	05790	00000	53	01844	00015
230	0	05761	22101	10	05761	20101	00	05790	00000	53	41552	28142
245	5	51638	13358	5	05728	16258	--	48209	24229	5	09437	26147
260	10	00761	03111	50	05653	10103	--	48209	00049	5	41567	22147
278	5	02763	12313	5	02666	26126	00	05590	00000	00	05590	00000
279	00	05590	05400	50	05671	05401	00	05590	04200	50	05543	30213
285	5	05637	14227	5	05538	10428	--	05538	08258	5	03528	24328
288				5	52639	06258	8	52648	06158	5	51538	27158
575	10	05543	10223	10	05541	0831	00	05590	00000	--	48109	00049
301	08	05590	10301	00	05690	06400	5	08448	09218	5	05548	08128
321	5	05638	01228	5	05628	06158	5	57328	06158	5	21528	00258
299	--	57000	08350	--	46209	08358	5	32538	08258	5	05638	08258
292	5	05628	06158	5	52418	08158	5	05618	04158	5	05618	00058
310	--	44200	04449	--	46209	04449	--	--	--	--	57109	08249
614	--	46109	04359	5	51628	06358	--	57109	06159	5	57328	06158
333	5	01765	06215	07	05690	02117	5	62528	00068	51	05646	26267
334	--	01790	24102	--	05545	20216	--	--	--	--	51547	20128
340	50	05651	10412	53	17546	43427	5	51428	08128	5	52428	02158
136	5	05528	10248	5	05538	08128	5	05648	06228	5	05638	04228
336	50	01762	04314	51	45653	12328	--	--	--	52	52644	28358
350	5	03538	04348	07	05690	02125	5	62438	04268	5	05528	09268
368				5	05678	26268	--	--	--	6	61548	30158
379	21	05661	08342	00	05690	06226	--	67109	02169	--	46209	04369
390	10	05654	06214	58	05673	09117	5	08428	06228	5	05538	00268
382	50	05645	04228	03	05690	04126	--	--	--	5	08425	08128
435	57	01763	06214	--	--	--	--	--	--	--	46009	04349
430	08	05690	14314	08	05690	12126	07	22590	20168	5	21427	04158
409	57	21624	17357	87	02744	21226	57	02634	00026	57	49415	31145

III - Index Number of Station—See M.O. 252 of list issued on 1st of each month.
ww, W - Present and past weather—See M.O. 252.
h, N_h - Height and amount of low cloud—See M.O. 252.
N - Total amount of cloud—See M.O. 252.
C_M - Form of low and medium cloud—See page 1.
V_M - 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 6th. Sept. 1941.
1 S.E. England	Light E.-N.E. winds; mainly dull with some local light rain or drizzle; perhaps brighter intervals tomorrow; rather misty night and morning with chance of local coast fog; cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light N.-N.E. wind; mainly cloudy; local light rain or drizzle; rather cool.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Light N.E. wind; fair; average temperature.
9 N. Midlands ...	As 1-4.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Light to moderate N.E. to E. wind; mainly fine; average day temperature, cool at night.
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland.	Moderate northerly winds; bright periods; a short period of light rain or showers; becoming very cool.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	As 12-13.B.
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
- Lines of Frontogenesis
- 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 shallow depression over North France and the English Channel is drifting E.S.E. & filling up. An intense anticyclone to the northward of the British Isles is spreading south. Weather will be mainly fine in the North and Northwest. Elsewhere there will be considerable cloud with some local light rain or drizzle at first but some brighter intervals are likely tomorrow.

FURTHER OUTLOOK.

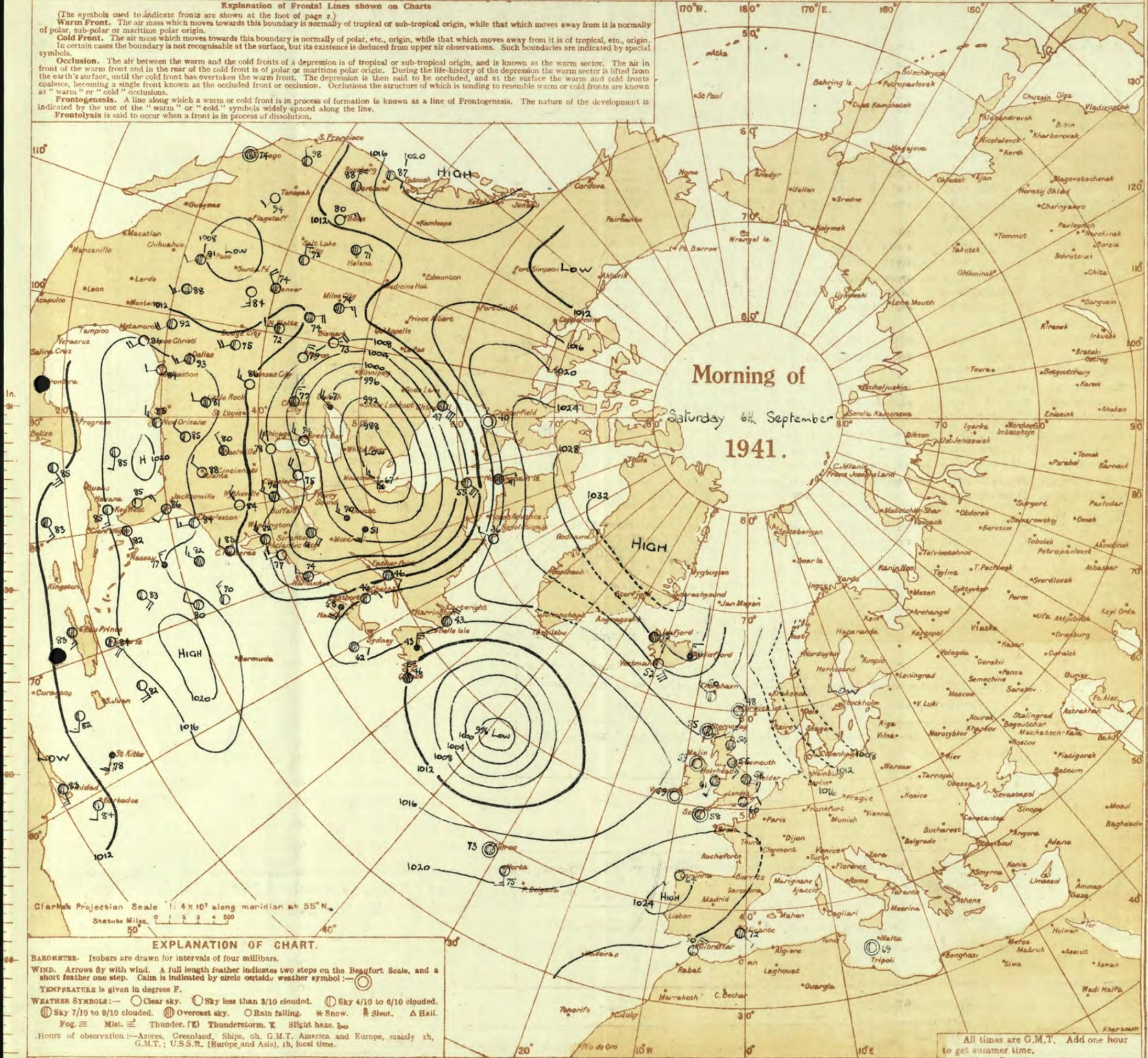
Mainly dry generally, but considerable cloud at times in the East and South.

Forecasts issued at 1030h. G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.
H.M.S.O. Press, Meteorological Office, Dunstable. © 269/4120. No. 6176. O. 6034. Op. 246. 3303. 2/41.

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
 Saturday 6th September
 1941.

Clark's Projection Scale 1:4x10⁷ 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. Δ Hal. Fog. ≡ Mist. ≡ Thunder. (E) Thunderstorm. K Right haze. 50
 Hours of observation:—Azores, Greenland, Ships, etc. G.M.T. America and Europe, mainly rh, G.M.T.; U.S.S.R. (Europe and Asia), rh, local time.

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

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET
BRITISH SECTION
Sunday 7th September 1941.
No. 23144

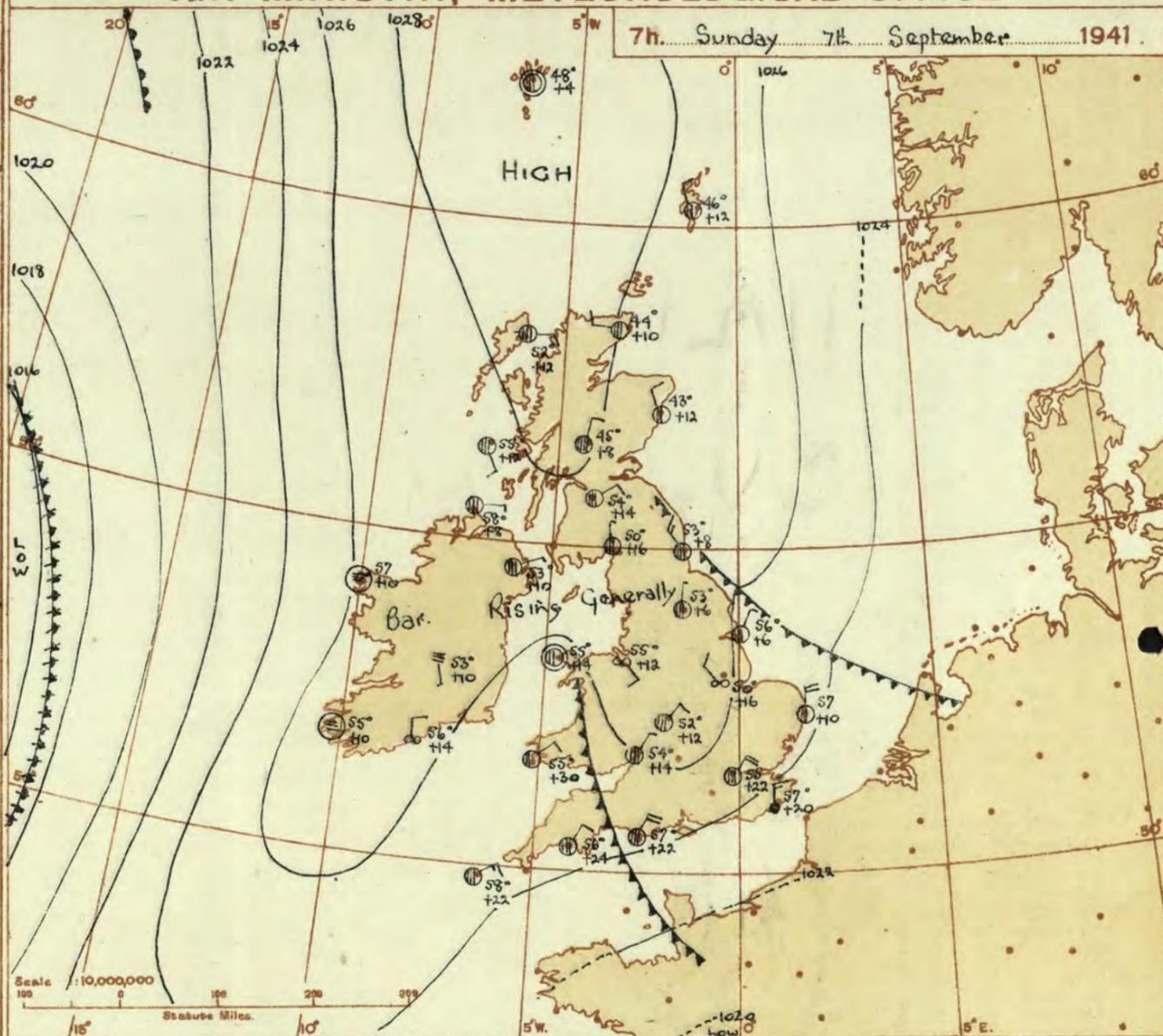
OBSERVATIONS at 13h. G.M.T. 6th September														OBSERVATIONS at 18h. G.M.T. 6th September														PAST 24 HOURS.											
Direction.	STATIONS. (For heights see p. 6.)	Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	° Humid.	Visibility. 0-9	Cloud.				Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	° Humid.	Visibility. 0-9	Cloud.				State of Ground.	WEATHER.												
				Dir.	Force.					Form.	Amount.	Height of Base. (feet)	Form.			Amount.	Height of Base. (feet)					Form.	Amount.	Height of Base. (feet)	7h.—13h. 6th		13h.—18h. 6th	18h.—6th 7th	1h.—7h. 7th										
(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)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
1	London (Kew)...	1017.9	+6	NE	N	2	z.	65	75	6	5	-	10	10	1500	1019.1	+4	NNE	3	z.	62	85	6	5	-	10	10	1500	1	*	cm.	cm.	cm.	cm.	cm.	cm.			
	Croydon ...	1017.9	+6	NE	3	z.	63	85	6	5	-	7.8	10	1200	1018.7	+10	N	4	z.	61	85	5	5	-	9+	9+	900	1	*	d.d.cm.	cm.	cm.	cm.	cm.	cm.				
	S. Farnborough	1017.6	+6	NE	3	z.	65	85	5	5	2	-	10	10	1200	1019.1	+10	NNE	3	z.	62	85	6	5	2	-	9	10	1600	1	*	ommm.cm.	cd.cm.	cm.	cm.	cm.	cm.		
	Boscombe Down	1018.2	+8	NE	3	z.	64	85	6	5	-	-	10	10	2000	1019.1	+10	NNE	3	z.	60	85	6	5	-	9+	9+	2000	1	*	airfm.cm.	cm.	cm.	cm.	cm.	cm.			
	Thorney Island	1017.1	+6	ENE	2	z.	63	92	5	5	-	-	10	10	800	1018.0	+6	NNE	2	z.	64	92	6	5	-	10	10	1500	1	*	Rmid.om.	om.	om.	om.	om.	om.			
	Lympne ...	1017.8	+2	N	2	z.	62	92	6	5	-	-	10	10	500	1018.6	+8	NNE	3	z.	60	92	6	5	-	9+	9+	800	0	*	cm.m	om.	om.	om.	om.	om.			
	Manston ...	1017.6	+6	NE	2	z.	60	97	6	5	-	-	10	10	500	1018.3	+6	NNE	3	z.	60	92	6	5	-	9	9+	800	0	*	amd.d.cm.	cm.	cm.	cm.	cm.	cm.			
2	Shoeburyness ...	1018.2	+4	NE	3	0	62	92	6	5	-	-	10	10	800	1019.0	+10	NNE	3	0	61	85	5	5	-	10	10	1500	1	*	id.fe	m.o	om.	om.	om.	om.			
	Felixstowe ...	1018.2	+6	ENE	3	0	63	85	7	5	-	-	10	10	2000	10 8.9	+8	NNE	2	0	60	75	7	5	-	10	10	1800	1	1	cid.m	o,m.o	om.	om.	om.	om.			
	Gorleston ...	1019.1	+6	NNE	3	0	61	85	7	5	-	-	10	10	1200	1019.8	+8	NW	2	0	59	75	7	5	-	10	10	2500	0	3	c	om.	om.	om.	om.	om.			
	Mildenhall ...	1018.8	+10	NNE	3	z.	61	92	6	5	-	-	10	10	1400	1020.0	+4	NE	3	c	59	92	7	5	-	9+	9+	1700	0	*	om.	om.coc	c	c	c	c			
	Cranwell ...	1020.2	-10	ENE	2	id.	58	92	6	5	-	-	7.8	10	700	1020.8	+10	NE	3	c	55	85	7	5	-	9+	9+	2000	1	*	omid.c.	id.	omid.c	bm.bm.	om.	om.			
3	Birmingham	1019.7	+8	NE	2	z.	59	92	6	6	-	-	10	10	450	1020.5	+10	NE	2	c	60	85	6	6	2	-	9+	10	800	1	*	id.o	o	o	o	o	o		
	Upper Heyford	1019.0	+10	E	3	id.	60	97	5	5	2	-	7.8	10	900	1020.3	+14	NE	3	id.	58	85	6	6	2	-	9	10	800	1	*	amid.c.	id.	cd.c.	om.	om.	om.		
4	Rose-on-Wye ...	1018.6	+10	NE	3	z.	62	85	5	5	-	-	10	10	800	1020.0	+8	ENE	2	id.	60	92	5	5	-	10	10	800	1	*	omd.cm.	om.	om.	om.	om.	om.			
5	Hartland Point	1018.7	+8	N	3	c	61	97	7	5	-	-	9+	9+	1000	1019.4	+8	ENE	3	c	61	97	6	5	2	-	7.8	9+	1000	0	1	c	c	c	c	c			
	Bristol ...	1018.8	+10	ENE	2	z.	61	92	5	5	-	-	10	10	1100	1019.9	+10	NE	2	z.	61	92	5	5	-	10	10	900	1	*	cd.dir.cm.	cd.d.m.	cm.	cm.	cm.	cm.			
	Portland Bill ...	1018.0	+8	N	2	rr	60	92	7	5	-	-	10	10	2500	1019.1	+8	NE	2	z.	63	92	6	5	-	10	10	1500	1	3	orr	p	cm.	cm.	cm.	cm.			
	Plymouth ...	1019.0	+10	NNE	4	c	65	85	7	5	2	-	4.6	10	2500	1019.9	+4	NNE	3	z.	64	85	6	5	-	10	10	1600	0	3	bcc	cd.bccm.	cm.	cm.	cm.	cm.			
	The Lizard ...	1018.9	+8	NNE	4	c	65	75	8	8	6	-	7.8	9+	1500	1018.9	0	N	4	c	61	92	8	8	-	7.8	7.8	1400	0	3	bcc	c	cm.	cm.	cm.	cm.			
	Scilly (St. Mary's)	1019.9	+8	NNE	3	bc	64	92	8	8	4	-	4.6	4.6	1500	1020.8	+6	N	3	bc	61	92	8	5	4	-	4.6	4.6	1500	0	1	ifbbc	bc	bc	bc	bc	bc		
	Guernsey ...	1019.9	+8	NNE	3	bc	64	92	8	8	4	-	4.6	4.6	1500	1020.8	+6	N	3	bc	61	92	8	5	4	-	4.6	4.6	1500	0	1	ifbbc	bc	bc	bc	bc	bc		
6	Pembroke ...	1019.8	+2	NE	3	c	63	92	7	2	4	-	4.6	7.8	2500	1021.5	+10	NE	4	bc	67	85	6	2	-	4.6	4.6	2500	0	3	bccm.	bc.m	cm.	cm.	cm.	cm.			
7	Holyhead (Valley)	1019.5	-2	NE	3	z.	67	65	6	1	-	1	1	2500	1020.8	+8	NNE	2	z.	63	75	6	-	-	0	0	-	0	0	1	cbcbm.	bm.	cm.	cm.	cm.	cm.			
	Chester (Sealand)	1019.8	+2	NNE	1	z.	61	85	5	5	-	-	10	10	1500	1021.1	+8	NNE	3	z.	61	92	6	5	-	7.8	7.8	2000	0	0	cm.	cm.	cm.	cm.	cm.	cm.			
8	Manchester ...	1019.8	+2	ENE	2	z.	64	75	5	5	3	-	7.8	9	3500	1021.0	+6	NE	3	z.	65	75	6	-	-	1	0	0	0	0	0	om.cm.	zab.zo	cm.	cm.	cm.	cm.		
10	Spurn Head ...	1020.1	+2	E	3	b	60	75	7	-	-	-	0	0	-	1020.2	0	NE	4	cyf	58	85	6	5	-	10	10	4000	0	3	ob	bo	bc	bc	bc	bc			
	Catterick ...	1020.6	+2	ENE	2	bc	65	65	6	5	-	-	4.6	4.6	2500	1023.2	+6	NE	2	z.	57	85	6	5	7	1	4.6	7.8	1500	0	*	om.bcm.	bc.m.	cm.	cm.	cm.	cm.		
	Tynemouth ...	1021.1	+12	NNE	3	z.	57	92	6	5	-	-	10	10	1600	1023.3	+10	N	4	c	55	92	8	2	3	-	2.3	7.8	1800	0	3	bcm.	om.c	ebcc	e	e	e		
11	St. Abbs Head	1020.5	+4	N	2	c	54	97	8	5	5	-	7.8	9+	2000	1023.8	+8	N	2	c	53	85	5	5	7	-	4.6	3	2500	0	1	fm.c	cm.	cm.	cm.	cm.	cm.		
	Leuchars ...	1022.1	+10	E	3	ir.	58	92	7	5	2	-	3	10	1200	1024.2	+18	E	3	c	55	85	8	5	7	-	7.8	9+	2900	0	*	cm.c.cir.	ciroc	c	c	c	c		
12	Reufrew (Abbots L.)	1020.6	+2	E	2	m	69	65	4	5	-	-	9+	9+	1000	1023.2	+12	ENE	3	c	59	75	7	5	-	9+	9+	3000	0	*	of of cm	cm.bcm.c	c	c	c	c			
	Eskdalemuir ...	1020.3	+10	NE	3	bc	65	85	7	1	3	4	1	2.3	4000	1023.6	+12	NNE	3	c	54	85	7	5	-	10	10	4000	0	*	Febc	bccfc	c	c	c	c			
	Point of Ayre ...	1020.5	0	NW	3	z.	65	75	6	-	4	0	1	-	-	1021.3	+2	-	0	z.	62	92	6	5	-	4.6	4.6	2500	0	0	cbzo	ebc.zo	cbcc	cbcc	cbcc	cbcc			
13A	Tiree ...	1022.0	+6	NE	2	b	62	75	8	-	-	-	0	0	-	1023.2	+4	N	3	b	58	85	8	-	-	5	0	1	0	3	b	b	b	b	b				
13B	Stornoway ...	1024.4	+10	NE	4	bc	57	75	8	1	3	-	2.3	4.6	2500	1025.3	+6	NE	5	c	54	85	8	5	2	2.3	7.8	2500	1	2	c	c	bcc	c	c	c			
15	Dalwhinnie ...	1022.5	+10	NNE	3	c	54	85	7	5	-	-	9+	9+	1500	1023.3	+10	NE	2	c	52	75	8	5	-	9+	9+	2500	0	*	c	c	c	c	c				
	Aberdeen ...	1022.5	+18	NW	4	c	57	65	8	7	-	-	8	7.8	2200	1024.3	+10	NW	2	c	55	75	8	4	9	4.6	7.8	2500	1	2	ocjpc	cbc	aprbcb	bcc	bcc	bcc			
	Wick ...	1023.4	+10	NW	3	c	57	85	9	2	3	9	7.8	9	2500	1025.1	+2	NE	3	c	53	85	5	3	8	4.6	7.8	2500	0	*	bccv	cpr							

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 6th. September 18h. G.M.T.				01h. G.M.T. 7th. September 07h. G.M.T.									
III	wwVhN _h	DDFWN	C _h	III	wwVhN _h	DDFWN	C _h						
109	8-	02856	28426	53	01854	01424	50	01854	27214	52	02065	04215	
115	53	02944	04286	53	02044	08326	53	02844	08325	73	02054	12225	
203	85	02944	32425					57	01043	04214	5-	81048	12228
206	8-	02866	08326	83	02065	08126	53	01864	04124	0-	81857	32287	
210	13	00962	04213	84	02066	03226	53	01853	02024	83	02055	18126	
220	03	00990	07302	03	00990	11303					52	02744	07328
230	70	00865	00013	17	00961	32113	5-	02667	00027	53	02856	00027	
245	86	02954	34427	46	01963	01214	54	00262	32113	54	02966	28117	
260	5-	02755	06228	5-	02757	08267	5-	02868	09128	53	02857	00027	
278	00	05650	30300	8-	05665	02205	5-	02866	09216	54	01764	16114	
279	13	05661	00002	5-	02766	06526	5-	02868	04328	5-	09068	05328	
285				5-	05638	02328							
288	77	05654	04255	5-	05637	32327	5-	05667	30227	5-	05678	29128	
575	16	05661	2441	2-	05665	28315	03	04690	00026	50	05673	00023	
801	50	05652	27212	00	05690	04200	53	05655	06227	57	05655	12328	
321				5-	05657	02317	07	05690	28113	57	05655	30117	
290	5-	05657	00027	5-	02746	30416	50	01743	30313				
292	5-	05647	27157	54	01744	30224	5-	02757	30227	5-	05668	29228	
310	--	46209	08249										
014	5-	21654	04258	5-	05657	03127	04	05690	32222	54	05665	32227	
333	5-	02655	04315	00	00700	30210	00	00800	00020	5-	05635	20225	
334	--	05447	16228	--	03347	12228							
340	5-	08438	30228	5-	05546	12128	5-	55575	08345	5-	05667	15117	
136	5-	51648	02358	5-	2256	02357	73	01044	02364	10	01943	02314	
336	52	21744	32358										
350	52	51635	02428	52	51637	02350	5-	05648	02468	54	05621	02213	
368	50	05646	06226	5-	05547	04327							
379	5-	08418	04358	5-	2638	02358	5-	05648	04328	50	01744	02314	
390	5-	05648	06228	5-	05648	31328	5-	51748	30328	50	00851	01211	
362	52	05637	04228	5-	51658	01358	5-	51648	02328	50	00741	32201	
436	02	62438	04368							8-	10755	09415	
430	5-	08438	04228	52	05644	04228	5-	05646	02328	5-	02747	04327	
400	57	02735	31428	51	02635	32227	52	02457	03148	50	05654	08224	

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C, C_h = 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
1048
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DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday, 7th. September, 1941.

1 S.E. England	Light to moderate N. to N.E. winds; generally fair, with considerable bright periods; cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Light easterly to variable breeze; fine, cool.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Light N.W. winds; considerable bright periods; a few light local showers; very cool.
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	
13B. N.W. Scotland	Light variable breeze; fair to fine; some morning fog; average temperature.
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
 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 intense anticyclone centred over the Faeroes area is moving S.S.E. A period of fair to fine weather will be enjoyed in practically all areas for at least the next day or two. Day temperatures will rise slowly, but the nights will be cool.

FURTHER OUTLOOK.

Fair generally; day temperatures rising slowly.

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

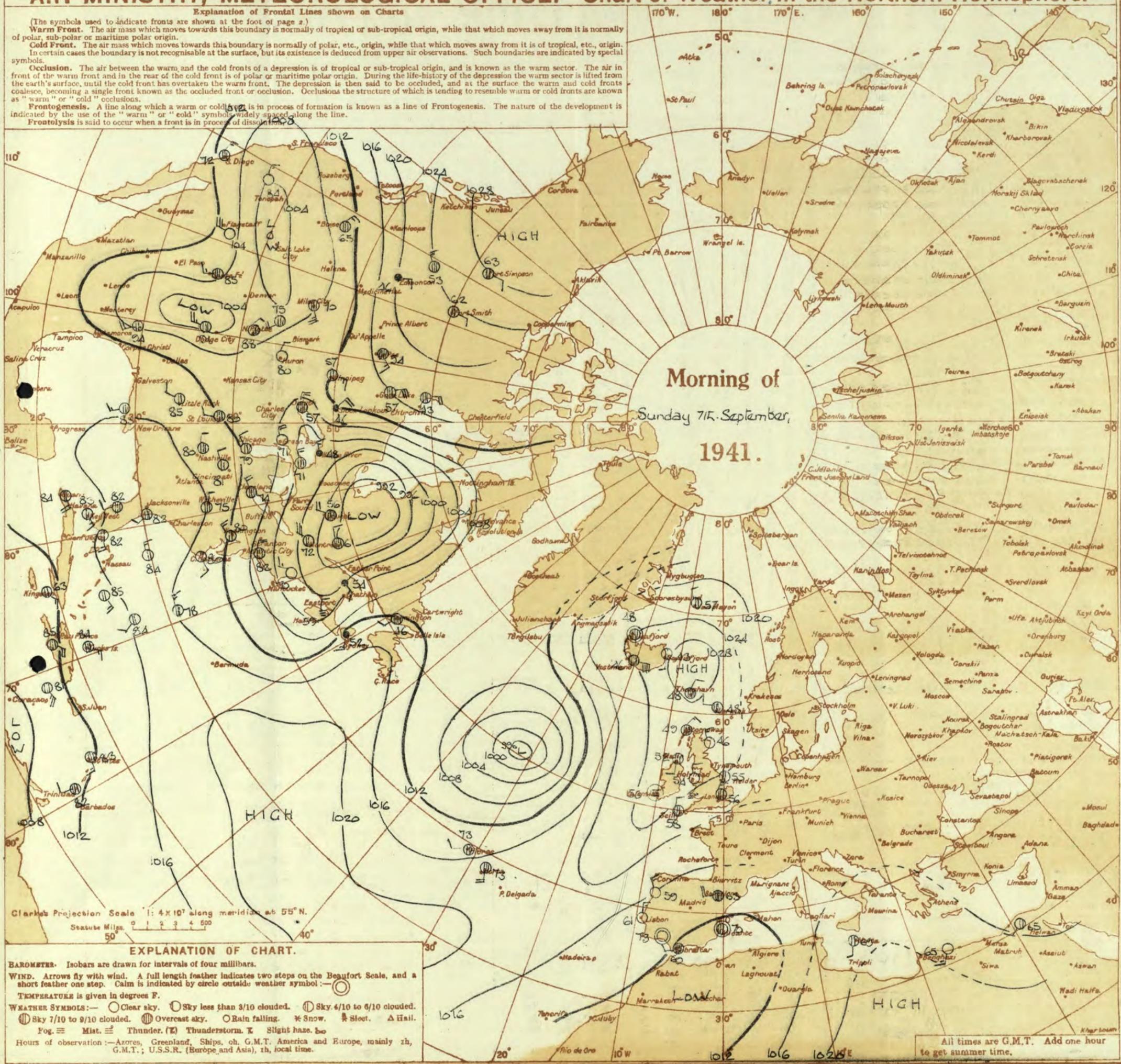
N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

6.229/4120. No. 5176. 0. 8034. 6p. 846. 8300. 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: 4 x 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol: ○
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ○ Clear sky. ☁ Sky less than 3/10 clouded. ☁☁ Sky 4/10 to 6/10 clouded. ☁☁☁ Sky 7/10 to 9/10 clouded. ☁☁☁☁ Overcast sky. ☁☁☁☁☁ Rain falling. ❄ Snow. ❄☁ Sleet. ⚡ Hail.
 ☁☁☁☁☁ Fog. ☁☁☁☁☁ Mist. ☁☁☁☁☁ Thunder. ☁☁☁☁☁ Thunderstorm. ☁☁☁☁☁ Slight haze. ☁☁☁☁☁
Hours of observation: - Azores, Greenland, Ships, oh, G.M.T. America and Europe, mainly zh, 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. 7th September.

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

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.		SUNSHINE. (36) Hr.		
					Dirce.	Force.					Form.	Amount.	Height of Base. (feet) (14)	Dirce.	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.
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1025.9	+2.4	NE	3	bc	56	78	8	8	-	4	2-3	2-3	1500	1	*	65	55	53	-	Tr	0.0			
	Croydon	217	1022.3	+1.0	NNE	4	c	56	85	8	5	-	9	9	2500	1025.3	+2.2	NE/N	4	c	55	85	8	5	4	1	7-8	7-8	1800	0	*	64	54	52	Tr	0.0		
	S. Farnborough	226	1022.6	+1.0	NE	3	z	58	85	6	5	-	9	9	2000	1025.8	+2.2	NE	4	c	56	85	7	5	-	-	-	-	-	-	-	-	-	-	0.0			
	Boscombe Down	417	1022.8	+1.0	NE	3	z	58	85	6	5	-	9	9	1500	1025.7	+2.6	NE/N	3	bc	53	85	7	5	-	-	2-3	2-3	1500	1	*	65	51	47	2	Tr	0.0	
	Thorney Island	10	1021.7	+1.0	N/E	2	z	58	85	6	5	-	10	10	1800	1024.5	+1.8	NE	3	c	57	85	7	5	-	-	9	9	2500	0	*	65	54	53	0.6	-	0.0	
	Lympe	346	1021.1	+1.6	N	3	c	55	85	7	5	-	9	9	1500	1023.9	+2.0	N	3	id.	57	85	8	5	-	-	9	9	2000	0	*	64	53	50	-	Tr	0.0	
	Manston	164	1021.5	+1.4	N/E	3	c	56	92	8	5	-	9	9	1700	1024.3	+2.2	NE/N	4	c	59	75	8	5	-	-	9	9	2100	0	*	65	58	53	Tr	-	0.0	
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1025.2	+2.0	N/E	3	b	56	85	8	5	-	-	1	1	2500	0	*	64	53	48	Tr	-	0.0			
	Felixstowe	15	1021.6	+1.6	N/E	2	c	55	85	7	5	-	10	10	1100	1024.5	+2.0	N	3	b	54	85	8	5	-	5	4	1	2500	0	2	65	52	51	Tr	-	0.0	
	Gorleston	5	1021.8	+1.2	NNE	2	c	58	85	6	5	-	9	9	1000	1024.4	+1.0	N	4	bc	57	75	7	2	-	-	4-6	4-6	3000	0	4	62	48	48	-	-	0.0	
	Mildenhall	19	1022.4	+1.2	N/E	2	c	55	97	7	5	-	9	9	1500	1025.5	+1.0	N	0	bc	50	97	8	5	-	1	1	2500	0	*	63	45	35	-	Tr	0.0		
	Cranwell	240	1024.0	+1.2	N	1	z	52	97	6	-	4	-	0	0	-	1026.6	+1.6	NNW	2	z	50	92	6	5	4	2	2-3	7-8	5700	0	*	60	47	45	Tr	-	0.2
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1026.9	+1.2	NE	2	c	52	92	6	5	-	-	9	9	4000	1	*	61	51	46	0.1	-	0.0			
	Upper Heyford	408	1023.0	+1.6	NNE	4	id.	55	97	6	5	-	10	10	1000	1026.2	+1.2	NNE	2	z	50	97	6	5	-	-	Tr	Tr	600	1	*	60	48	47	Tr	Tr	0.0	
	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1026.4	+1.4	NE	1	e	54	92	7	5	-	-	9	9	2500	1	*	62	52	*	Tr	Tr	0.0			
5	Hartland Point	299	1022.6	+1.8	NNE	3	c	60	85	6	5	-	9	9	2500	1025.4	+2.0	NE	3	b	59	85	7	5	-	1	1	2100	0	3	63	58	56	-	-	0.9		
	Bristol	209	1023.8	+1.4	ENE	2	c	57	85	7	5	-	10	10	1200	1026.7	+2.4	NE	2	c	53	85	7	8	4	-	9	9	1800	1	*	63	52	47	Tr	-	0.0	
	Portland Bill	32	1021.3	+1.0	N	3	c	59	92	7	5	-	10	10	2500	1024.2	+2.2	NE	4	c	57	92	8	5	-	-	10	10	2500	1	3	63	55	*	5	-	0.0	
	Plymouth	82	1022.3	+1.0	NE/N	3	z	60	85	6	5	3	-	2-3	4-6	3000	1026.1	+2.4	NE	2	c	56	85	7	5	-	9	9	2500	0	2	65	55	*	0.6	-	0.0	
	The Lizard	240	1022.6	+1.2	NE	2	m	61	92	4	5	2	-	9	10	1000	1024.3	+1.4	NNE	2	m	58	85	4	5	-	10	10	2100	0	2	66	57	*	-	-	5.5	
	Scilly (St. Mary's)	163	1022.8	+1.2	N/E	2	m	58	97	4	5	-	10	10	800	1025.1	+2.2	NE/E	3	c	58	97	6	5	2	-	7-8	9	1000	0	2	64	58	*	-	-	7.2	
	Guernsey	175	*	*	*	*	*	*	*	*	*	*	*	1027.3	+3.0	NE	2	bc	55	97	5	5	-	-	2-3	2-3	2500	0	2	66	53	*	-	-	5.9			
6	Pembroke	142	1023.7	+1.6	ENE	3	bc	57	97	5	2	-	2-3	2-3	4000	1027.3	+3.0	NE	2	bc	55	97	5	5	-	-	2-3	2-3	2500	0	2	66	53	*	-	-	5.9	
7	Holyhead (Valley)	26	1023.6	+1.8	N	1	z	54	97	6	-	-	0	0	-	1025.7	+1.4	-	0	bef	55	97	3	5	-	-	4-6	4-6	2000	1	1	68	52	45	-	-	0.0	
	Chester (Sealand)	16	1024.3	+1.6	SE	1	m	56	85	4	5	-	10	10	1800	1026.2	+1.2	SE	2	z	55	85	5	5	-	-	10	10	2800	0	*	65	54	49	-	-	0.3	
8	Manchester	70	1024.6	+1.6	NW	1	z	48	92	6	5	-	7-8	7-8	5000	1026.9	+1.4	-	0	z	54	92	5	5	-	-	10	10	3500	1	*	67	52	44	-	-	1.0	
10	Spurn Head	29	1023.5	+1.4	N/E	2	b	55	85	7	-	4	-	0	1	-	1025.3	+1.6	NE	1	c	56	85	7	2	6	-	9	9	5700	0	3	63	57	*	-	-	5.3
	Catterick	175	1025.5	+1.6	NE	2	z	53	85	6	5	-	10	10	2500	1026.6	+1.6	N/E	1	c	53	85	7	5	-	-	10	10	3300	0	*	67	52	51	Tr	-	1.7	
	Tynemouth	108	1025.4	+1.8	N	3	c	52	85	7	8	-	9	9	1500	1027.5	+1.8	NW	3	c	53	85	7	8	-	-	9	9	2500	0	2	60	52	50	-	-	0.0	
11	St. Abbs Head	280	1025.8	+1.4	NW	1	c	52	85	8	5	4	-	7-8	9	2500	1027.0	+1.6	NNE	2	c	52	85	8	5	7	-	4-6	9	2000	0	2	55	50	*	-	-	0.0
	Leuchars	36	1026.4	+1.4	-	0	c	53	85	8	5	-	9	9	2800	1027.9	+1.4	N	1	c	51	85	8	2	5	-	7-8	9	2500	0	*	62	51	49	-	-	0.2	
12	Renfrew (Abbots I.)	19	1025.9	+1.0	NE	2	c	55	75	7	5	-	10	10	2500	1027.7	+1.4	ENE	2	c	54	85	7	5	-	-	9	9	3500	0	*	70	53	52	-	-	1.9	
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1027.6	+1.6	N	1	c	50	92	8	5	-	-	-	-	10	10	5700	0	*	68	48	48	-	-	5.1	
	Point of Ayre	30	1024.4	+1.6	SE	3	z	60	92	6	5	2	-	7-8	10	2500	1026.5	+1.0	SE	3	c	59	92	7	5	-	-	10	10	2500	0	2	76	57	*	-	-	7.6
13A	Tires	22	1023.2	+1.4	E	3	b	52	97	8	-	-	0	0	-	1026.2	+1.2	SE	2	c	55	97	8	5	-	-	9	9	2800	0	2	62	51	*	-	-	10.6	
13B	Stornoway	80	1026.3	+1.8	NE	3	bc	49	92	8	1	7	2	2-3	4-6	2500	1028.1	+1.2	E	2	c	52	85	8	5	7	-	7-8	9	2000	1	1	57	48	*	1	-	7.5
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	1028.7	+1.8	NNE	2	o	45	92	8	5	-	-	10	10	1500	1	*	57	44	38	-	-	0.0			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	1027.9	+1.2	NNW	2	bc	43	97	7	7	-	9	1	4-6	2900	1	2	58	40	36	-	-	3.0			
	Wick	119	1027.0	+1.8	WSW	1	b	41	97	7	1	4	-	1	1	1600	1028.3	+1.0	WN	2	c	44	97	9	7	4	9	4-6	7-8									

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET
BRITISH SECTION
Monday 8th September 1941.
No. 29145

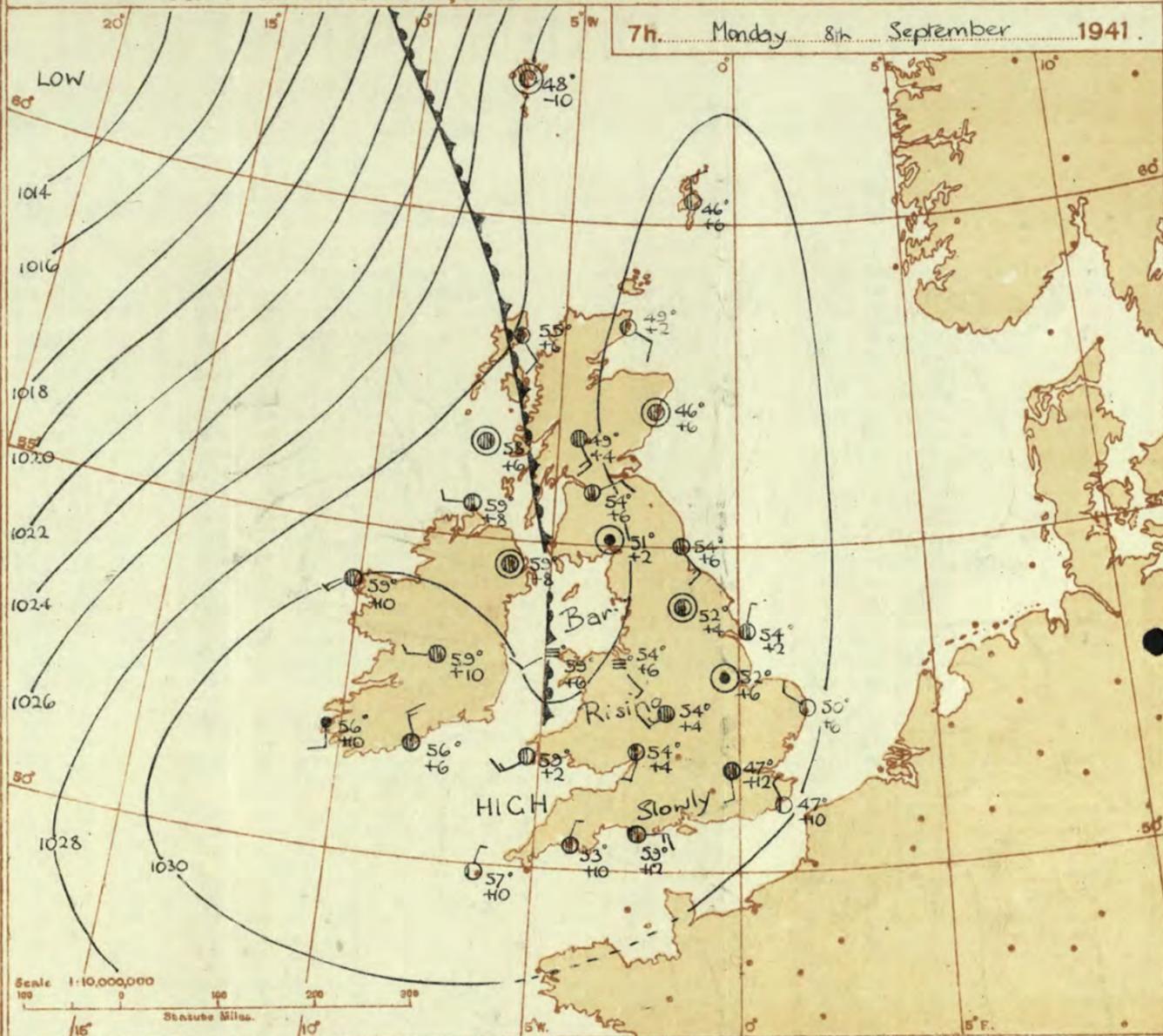
OBSERVATIONS at 13h. G.M.T. 7th September														OBSERVATIONS at 18h. G.M.T. 7th September														PAST 24 HOURS.							
Dissector.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-10 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-10 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.									
				Dirac. (3)	Force. 0-12 (4)				Weather. (5)	Form. (9)	Amount. (10)	Height of Base. (feet) (14)			Dirac. (17)	Force 0-12 (18)				Weather. (19)	Form. (23)	Amount (24)	Height of Base. (feet) (28)			7h.-13h. ...7h... (37)	13h.-18h. ...7h... (38)	18h.-7th to 1h.-8th... (39)	1h.-7th ...8th... (40)						
																														Low.	Med.	High	Low	Total 0-10	Low
1	London (Kew)...	1027.2	+4	NNE	3	c	63	55	7	7	-	4	4-6	9+	2500	1028.1	+10	N	2	c	62	55	8	5	-	4	2-3	7-8	4000	1	*	bccy	cbcy	cycbcw	bcbcmo
	Croydon ...	1026.7	+2	NE	3	c	64	55	8	1	-	2	4-6	7-8	3000	1027.1	+6	NE	3	bc	60	65	8	4	-	4	4-6	4-6	3000	0	*	c, bc	bccy/cb	bccdom	bm. wjf
	S. Farnborough	1027.0	+2	NE	3	bc	64	55	8	1	-	2	1	2-3	2500	1027.7	+8	NNE	2	bc	62	65	8	4	-	4	1	2-3	4000	0	*	cbcb	bccy/b	bccmow	cmow
	Boscombe Down	1027.6	+6	NE	3	bc	63	65	8	1	-	-	4-6	4-6	3000	1027.8	+6	NE	2	bc	62	65	7	-	3	4	0	2-3	-	0	*	bc	bcc	bcczobcc	cbcc
	Thorney Island	1026.2	+2	NEN	3	b	66	55	8	1	4	1	1	1	2500	1027.4	+4	NE	2	bc	62	65	8	4	-	1	2-3	2-3	5700	0	*	cbcb	bccy	bcb	bcbw
	Lympne	1026.2	+8	N	4	c	62	65	9	1	-	8	7-8	9	3500	1027.1	+12	NNE	2	b	57	65	8	5	-	Tr	Tr	6000	0	§3	id. m. bc	cbcb	cbw	bwbefm	
	Manston	1026.5	+8	NNE	4	bc	61	65	9	1	-	1	2-3	4-6	2500	1027.6	+10	NE	3	b	57	65	9	1	7	-	Tr	1	3000	0	*	cbc	bcb	bybc	bccw/c
2	Shoeburyness ...	1027.1	+8	ENE	2	c	61	65	8	7	-	-	9	9	2500	1027.4	+8	NE	2	bc	58	75	8	4	6	1	2-3	4-6	2500	0	*	bbcc	cbc	bcbw	b, en, c
	Felixstowe ...	1026.4	+4	NE	4	c	62	65	8	4	-	1	9	9	4000	1027.2	+10	NE	3	b	58	65	9	4	-	1	1	1	4500	0	2	bbcc	cbcb	brcb	b, w, cm
	Gorleston ...	1027.1	+10	NW	3	bc	60	65	7	5	-	2	2-3	4-6	3500	1027.9	+6	N	3	bc	58	52	7	2	-	-	4-6	4-6	3500	0	3	bc	bc	bcc	cbw
	Mildenhall ...	1027.2	+4	NNE	2	c	62	75	9	7	-	2	4-6	7-8	2500	1028.1	+10	NE	2	bc	57	85	8	7	4	1	2-3	2-3	3500	0	*	bc	bc	bcbw	cbw
	Cranwell ...	1028.0	+2	NNE	2	c	58	75	9	7	3	-	4-6	9+	2000	1028.4	+2	NE	1	c	57	75	8	5	3	-	4-6	9+	2000	0	*	bcmo	bcmo	c	cmoc
3	Birmingham	1028.3	+4	E	1	z.	60	55	6	1	3	1	1	4-6	2500	1028.6	+2	ENE	2	z.	60	55	6	-	4	-	0	2-3	-	1	*	cbcz	bcc	bcc	bcc
	Upper Heyford	1027.4	+2	NNE	3	c	62	65	8	7	7	-	4-6	9+	2000	1028.0	+6	NE	2	bc	61	75	7	1	4	-	1	2-3	2800	1	*	bcmo	bc	bcbm, bc	cmo
	Ross-on-Wye ...	1027.4	+4	ENE	3	bc	62	75	7	7	-	8	4-6	4-6	4000	1027.6	0	ESE	1	c	61	75	7	5	-	-	10	10	2500	1	*	cbc	bcc	cbcmo	cmo
5	Hartland Point	1027.4	+8	NE	3	b	64	75	8	-	-	1	0	Tr	-	1028.1	+2	NNE	3	b	61	85	7	-	1	0	Tr	-	0	2	bcb	b	bcb	lbc	
	Bristol ...	1027.7	0	E	2	bc	65	65	8	1	-	-	2-3	2-3	2500	1027.9	+6	NNE	2	c	61	75	7	5	-	-	9+	9+	3500	0	*	cbcb	b	cmo	cbccw
	Portland Bill ...	1026.4	+6	E	3	bc	63	85	8	1	4	-	Tr	4-6	4000	1027.0	+8	NW	2	bc	61	85	8	1	-	-	2-3	2-3	4000	1	3	bc	bc	bcc	c
	Plymouth ...	1027.3	+6	ESE	3	b	68	55	8	1	-	1	Tr	Tr	3000	1027.9	+10	NW	2	b	61	85	8	-	-	-	0	0	-	0	2	bcb	byb	b, mow	w, mow, cm
	The Lizard ...	1027.0	+8	ENE	3	bc	65	75	8	4	-	-	2-3	2-3	2500	1027.7	+4	ENE	2	bc	60	85	8	4	-	-	2-3	2-3	2500	0	2	cbc	bc	bew	bc
	Soilly (St. Mary's)	1027.4	+10	NNE	3	b	64	85	7	-	-	-	0	0	-	1027.8	+2	NE	2	b	60	92	7	-	-	3	0	Tr	-	0	2	cbcb	b	bcb	bc
	Guernsey ...	1027.4	+10	NNE	3	b	64	85	7	-	-	-	0	0	-	1027.8	+2	NE	2	b	60	92	7	-	-	3	0	Tr	-	0	2	cbcb	b	bcb	bc
6	Pembroke ...	1028.2	0	SE'S	3	b	62	85	6	-	6	-	0	1	-	1028.5	+4	WN	1	bc	60	85	6	-	7	-	0	2-3	-	0	2	bcm.	bcm.	cbw	cm, id.
	Holyhead (Valley)	1027.0	+2	NW	1	z.	65	75	8	1	-	-	Tr	1	2500	1027.8	+6	-	0	z.	61	92	6	5	8	-	2-3	7-8	4000	0	1	cbcm	bcbcm	cbw	cm, fr
	Chester (Sealand)	1027.7	+2	SSE	3	z.	60	75	6	5	-	-	9	10	2500	1028.1	+6	SSE	2	z.	61	75	6	5	3	-	7-8	9+	2500	0	*	cm, r.	cbccz	cbccz	cm, fr
	Manchester ...	1028.1	-2	SW	2	z.	60	65	5	5	-	-	9+	9+	2500	1028.2	+2	-	0	z.	63	75	6	5	3	-	4-6	9+	3500	0	*	cm, m, z.	cbccz	cbccz	cm, fr
10	Spurn Head ...	1027.9	0	NE	3	bc	60	65	7	2	6	2	2-3	2-3	4000	1028.3	+4	NE	2	c	56	75	7	3	3	-	2-3	7-8	4000	0	3	bc	b	cmo	o
	Catterick ...	1028.3	-6	-	0	c	62	55	7	7	-	-	7-8	9+	2500	1020.1	+4	NNE	1	z.	58	65	6	5	3	-	7-8	9	3500	0	*	c	cyczo	cmo	cmo
	Tynemouth ...	1028.7	+2	E	2	c	56	75	8	2	3	-	4-6	7-8	2800	1029.1	+8	E	3	c	55	75	8	5	-	-	7-8	7-8	2800	0	3	c	c	c	c
11	St. Abbs Head	1028.6	+8	NNE	1	c	55	75	9	5	7	-	7-8	9+	2500	1029.0	0	SE	2	c	53	85	9	5	3	-	4-6	7-8	3000	0	2	c	c	c	c
	Leuchars ...	1028.8	+4	E	2	c	57	65	8	5	7	-	4-6	9+	3500	1028.8	-4	SE	2	c	55	75	8	5	3	-	4-6	9	5500	0	*	c	c	c	c
	Reafrew (Abbots L.)	1027.6	-2	EIN	2	b	65	55	7	1	3	-	Tr	1	3000	1028.0	+2	E	2	c	60	65	7	5	7	6	1	9	4000	0	*	cbccy	bcbcc	czam.	cm, id.
	Eskdalemuir ...	1027.8	+2	-	0	c	59	65	8	5	-	-	Tr	9	4000	1028.0	+2	SW	1	c	57	85	8	5	1	-	7-8	9+	2500	0	*	cbcc	c	c	cm, id.
	Point of Ayre ...	1027.8	+4	SSE	4	b	65	75	7	-	-	1	0	Tr	-	1028.4	+2	S	2	z.	60	85	6	5	1	-	7-8	9+	3000	0	2	cbcb	bcbccz	bccz	cbcc
13a	Three ...	1026.7	0	SSE	3	bc	62	75	7	5	3	-	2-3	4-6	3500	1027.4	+6	SSE	2	c	55	85	7	5	-	-	9+	9+	2800	0	3	cbc	c	oidrff	ffe
	Stornoway ...	1028.1	+6	E	3	c	57	75	8	7	4	5	4-6	9	4000	1028.1	0	NE	2	c	55	85	8	7	4	7	Tr	10	4000	1	1	c	c	c	c
	Dalwhinnie ...	1028.1	-2	SW	2	pr	57	75	8	8	9	-	4-6	9+	2500	1029.0	+2	W	2	0	55	85	8	5	-	-	10	10	2500	0	*	pepr	co	c	co
	Aberdeen ...	1028.6	+2	ENE	2	c	56	55	8	8	6	-	7-8	7-8	2600	1029.5	+4	ENE	1	c	53	65	8	7	4	9	7-8	7-8	2800	0	1	bcy	bcy	cbcb	ow
	Wick ...	1029.5	+6	ENE	3	c	53	85	9	7	3	-	7-8	9	3500	1030.0	+2	ENE	2	c	51	85	9	5	7	4	1	7-8	4000	0	*	bcev	cbcv	b	cbc
	Sumburgh ...	1029.0	+10	NW	4	bc	51	65	9	5	-	1	2-3	-3	3100	1029.3	0	NW	3	c	50	65	9	5	3	1	7-8	7-8	2500	0	*	bc	bc	bc	bcbcc
17																																			

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 7th. September 18h. G.M.T.				01h. G.M.T. 8th. September 07h. G.M.T.								
IIIQ	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN
100	7-	02866	01326	7-	00861	02313	00	01890	00008	03	01990	12205
115	73	01951	08224	51	02944	08427	55	02944	12327	52	02944	10127
208	5-	02945	04325							5-	02938	08128
206	87	02364	06226	57	02975	06325	03	02990	30128	53	02975	32128
210	73	02363	02325	03	02990	07227	53	02974	10227	53	02973	08127
220	51	25845	02888							52	02845	22128
230	53	02764	28115	5-	02867	00017	5-	05658	00028	5-	52538	00068
245	83	02964	09216	4-	02966	12128	5-	02858	28128	52	02975	00027
260	73	01763	04214	5-	02767	06187	52	05665	02168	5-	61668	0006
278	13	02751	4216	5-	02667	12218	5-	05558	12268	52	51546	12358
279	17	02863	30226	47	05663	20127	07	08490	06227	07	05590	06228
285										5-	03748	28128
288	-	03657	03227	5-	02777	08227	5-	02768	00058	57	02763	00028
575	53	05644	10127	5-	05556	26326	5-	05548	28128	5-	51668	26258
801	5-	05567	12327	03	05690	00015	03	45290	08144	53	08454	12347
821	7-	02854	32226	5-	02767	01127	5-	02768	07128	57	05663	10125
299	84	01853	30313	57	01853	30314	5-	02756	30226			
292	5-	05668	28128	5-	02857	05127	57	02855	00017	5-	02857	00027
310										--	05865	08215
614	-	02878	04128	03	02790	04427	5-	05877	00027	03	05590	04124
333	7-	02666	20116	5-	05666	24116	5-	08465	00025	52	05645	14228
334										--	03219	04149
340	7-	02767	14227	03	05690	22116	5-	08487	14127	5-	08477	14147
136	10	02955	02816	13	00951	02213	5-	02977	00017	57	21853	30128
336										--	46309	32249
350	77	02864	02316	4-	02876	04226	5-	02768	12128	5-	05667	16227
368	10	00761	12211	53	05663	00025						
379	10	01854	04314	00	01890	28357	03	05690	16214	00	00890	20200
390	5-	02857	02317	50	01863	30313	00	00790	00011	5-	02767	00017
382	13	01862	02215	44	01861	02114	00	04690	00000	50	05662	00022
436	50	01875	04415									
430	10	01851	02303	40	00862	32213	00	00890	21111	50	01763	30114
409	10	00752	03312	10	00851	04201	00	00690	04100	50	00761	00002

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 7th September.

1 S.E. England	
2 E. England ...	Light variable winds; fair, with some bright periods; rather cool.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	Light southerly winds; cloudy, with slight local drizzle; some coast and hill fog; rather cool.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	As 0-5
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Light S. to S.W. winds; cloudy, with slight local drizzle; some coast and hill fog; rather cool.
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	Light southerly wind; mainly cloudy; rather cool.
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	Light variable winds; cloudy, with slight local drizzle; some coast fog; 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.

An anticyclone covers the eastern and southern parts of the British Isles, but a weak trough of low pressure lying down the west coast of Scotland and the Irish Sea is moving very slowly east. There will be some local drizzle in the west and north, with local hill and coast fog, but elsewhere weather will be fair. Temperatures will be mainly rather below average.

FURTHER OUTLOOK.

Continuing mainly fair.

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.

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

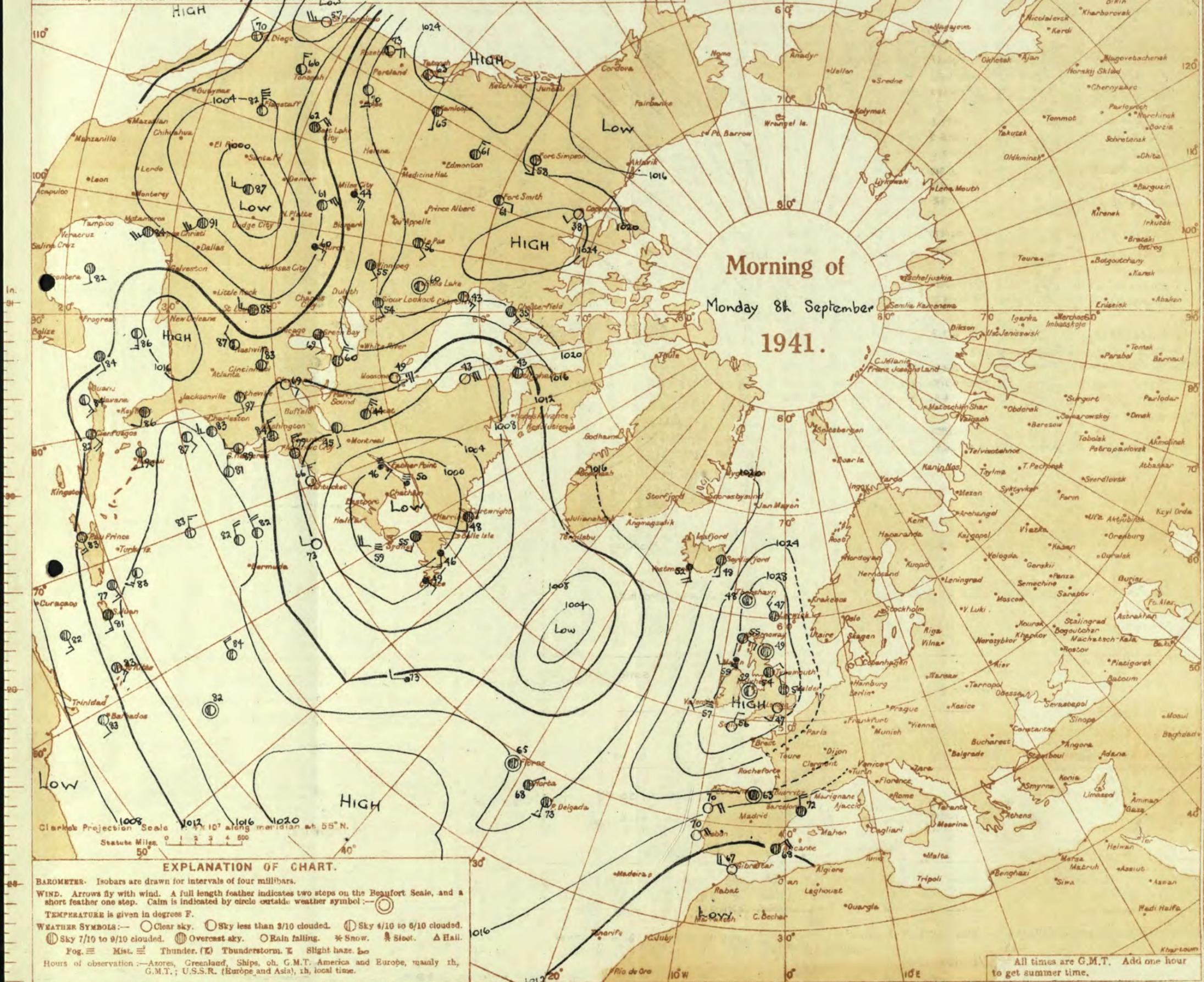
Explanation of Frontal Lines shown on Charts

(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.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

Hours of observation: Azores, Greenland, Ships, etc., 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. 8th September														OBSERVATIONS at 7 hr. G.M.T. 8th September														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. (8)	Cloud.			Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.			State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		SUNSHINE. (36)					
					Dirce. (3)	Force. (4)				Weather. (5)	Form. (9)	Amount. (10)			Height of Base. (feet) (14)	Dirce. (17)				Force. (18)	Weather. (19)	Form. (23)			Amount. (24)	Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Mtn. on Grass °F. (33)		Day 7h-18h mm. (34)	Night 18h-7h mm. (35)			
1	London (Kew)	18										1031.4	+10			53	92	5	5		10	10	2500	1	*	65	48	35	-	-	10.5				
	Croydon	217	1029.8	+2	SSW	1	bc	47	97	6	-	1031.1	+12	S	1	47	97	5	5		10	10	4000	1	*	65	42	41	-	Tr	9.0				
	S. Farnborough	226	1030.3	+6		1		49	92	6	-	1031.1	+4		1	51	97	6	5	3		9	9	5700	1	*	67	48	41	-	-	10.2			
	Boscombe Down	417	1030.4	+10	NE	2	b	50	92	7	-	1031.3	+6		1	52	92	7	5		7	7		0	*	65	49	45	-	-	-	10.1			
	Thorney Island	10	1029.8	+6	NE	1	b	48	92	7	-	1031.2	+12	NE	1	bc	49	92	7	5		1	2.3	2.3	4000	0	*	67	45	41	-	-	*		
Lympe	346	1029.4	+2	NW	1	bc	46	97	8	5	2	1030.6	+10	NW	1	bc	47	97	6	5		1	1	6000	0	2	63	43	37	Tr	-	9.3			
Manston	154	1029.3	+2	NNE	1	bc	51	85	7	1	1	1030.5	+10	N	2	bc	54	85	5	8		1	2.3	4.6	3000	0	*	63	48	41	-	Tr	10.6		
2	Shoeburyness	11										1031.1	+10	NNW	2	c	50	92	8	5		3	3	5700	0	*	64	44	35	-	-	8.0			
	Felixstowe	15	1029.1	+4	NW	1	b	49	85	8	-	1030.3	+10	NNW	2	c	49	85	7	5		3	3	3200	1	1	64	46	41	-	-	3.1			
	Gorleston	5	1029.6	0	NW	1	c	45	85	6	2	7	1030.2	+6	NNW	1	bc	50	85	6	5		4	4	2500	0	2	62	48	45	-	-	*		
	Mildenhall	19	1030.1	+2		0	c	46	97	7	5	-	1030.7	+6	SW	1	bc	51	97	6	5		3	3	4000	0	*	64	44	35	-	Tr	8.9		
	Cranwell	240	1030.3	+2		0	c	53	92	7	5	-	1030.3	-20		0	PR	52	92	7	5		10	10	3000	0	*	60	51	50	-	-	1.4		
3	Birmingham	535										1030.2	+4	SW	2	c	54	85	6	5		10	10	4000	1	*	63	50	43	-	-	2.8			
	Upper Heyford	408	1030.3	+6		0	bc	50	97	6	-	1030.9	+6		0	b	52	85	7	-	4	0	Tr	0	*	64	49	44	-	-	*				
4	Rosa-on-Wye	223										1030.2	+4	SW	1	b	54	92	6	5		3	3	2500	1	*	63	53	*	-	-	4.3			
5	Hartland Point	299	1029.3	+4	E	2	b	58	85	7	-	1030.7	+10	S	2	bc	58	92	7	-	7	0	4.6	-	0	2	65	56	52	-	-	3.9			
	Bristol	209	1030.1	+6		0	c	52	92	7	5	-	1031.1	+6	SSE	1	c	53	92	8	5	3	-	7.8	9	3000	0	*	67	50	43	-	-	7.3	
	Portland Bill	32	1029.6	+8	NE	3	c	58	92	8	5	-	1030.6	+12	E	3	c	59	92	8	5	7	-	7.8	10	4000	1	2	64	56	*	-	-	*	
	Plymouth	82	1030.3	+6	NE	1	c	53	97	6	5	-	1031.3	+10	NNE	1	bc	53	92	6	-	6	0	7.8	-	1	1	70	51	49	-	Tr	9.0		
	The Lizard	240	1029.5	+4	NE	1	bc	56	85	7	4	-	1031.0	+12	NNE	2	bc	56	92	7	4	-	4	4	1500	0	1	2	65	54	*	-	-	8.2	
Scilly (St. Mary's)	163	1029.7	+6	NEE	2	b	56	97	6	-	-	1030.7	+10	NNE	1	b	57	97	7	-	-	0	0	-	1	2	66	55	*	-	-	8.0			
Guernsey	175																																		
6	Pembroke	142	1029.3	+6	EN	1	b	57	97	6	-	1030.6	+2	SW	3	c	59	97	6	8	6	-	7.8	7.8	2500	1	2	62	55	*	-	-	8.8		
	Holyhead (Valley)	26	1028.8	0		0	bc	59	97	5	-	1029.5	+6	SW	2	bc	59	97	4	5	-	3	3	3000	0	1	67	56	52	-	-	*			
7	Chester (Sealand)	16	1029.3	+2	SE	2	m	54	92	4	-	1029.9	+6	SE	1	m	54	97	4	5	-	3	3	4000	0	*	64	53	49	-	-	3.5			
	Manchester	70	1029.9	+6		0	bc	48	92	3	-	1030.1	+2		0	cft	52	92	3	5	-	3	3	4500	1	*	63	48	42	-	-	0.0			
10	Spurn Head	29	1030.2	+8	NNW	2	c	54	85	7	8	-	1030.1	+6	NE	1	o	54	75	7	8	-	10	10	2500	0	3	61	53	*	-	-	7.0		
	Catterick	175	1030.8	+2		0	zo	53	85	5	5	-	1030.9	+4		0	zo	52	92	6	5	3	-	4.6	3	3000	0	*	62	52	48	-	-	1.1	
	Tynemouth	108	1009.0	+2	E	2	c	54	75	7	5	-	1030.3	+6	SE	3	c	54	75	8	5	-	3	3	2400	0	3	57	54	50	-	-	*		
11	St. Abbs Head	280	1029.7	0	ESE	2	c	51	85	8	5	7	-	1030.0	+6	SE	2	c	51	92	8	5	2	-	9	10	2700	0	2	55	50	*	-	-	*
	Leuchars	36	1030.2	0	E	3	c	53	85	8	5	-	1030.1	+4	SE	2	c	54	85	8	5	7	-	7.8	10	3500	0	*	57	53	51	-	-	0.0	
12	Renfrew (Abbots L.)	19	1029.5	+2	ENE	1	zo	54	85	6	5	-	1029.3	+6	EN	2	o/d	54	85	6	5	-	10	10	2000	0	*	67	53	48	-	Tr	7.2		
	Eskdalemuir	794										1030.1	+2		0	ir	51	92	7	6	-	10	10	1500	1	*	61	43	48	-	Tr	2.8			
Point of Ayre	30	1028.9	+4	SE	1	zo	58	85	6	5	7	-	1029.1	0	SE	2	zo	60	85	6	-	7	0	10	0	2	65	55	*	-	-	2.4			
13	Tiree	22	1027.8	0	S	2	ft	58	97	1	-	1028.4	+6		0	c	58	97	6	5	-	10	10	1500	0	2	62	57	*	-	0.4	3.8			
	Stornoway	80	1028.2	0	ESE	2	c	55	85	7	5	7	-	1028.3	+6	SE	2	c	55	85	8	5	7	-	7.8	10	3000	0	*	57	53	*	-	-	1.6
15	Dalwhinnie	1176										1030.5	+4	SSE	3	o	49	85	6	5	-	10	10	1500	0	*	58	47	47	Tr	-	0.4			
	Aberdeen	79										1030.6	+2		0	bc	46	97	6	5	-	9	9	700	1	1	59	41	37	-	-	8.4			
16	Wick	119	1030.5	0	EN	1	c	47	85	8	5	-	1030.3	+6	ESE	2	bc	49	85	9	5	3	2	7	4	500	0	*	55	46	42	-	-	*	
	Sumburgh	30	1030.2	-2	NNW	2	c	47	85	9	5	-	1030.7	+6	N	2	bc	46	75	3	5	1	8	1	4.6	4000	1	*	*	*	25	Tr	7.2		
17	Blacksod Point	18	1028.9	+2		0	cif	59	97	6	-	1030.0	+10	SW	1	c	59	85	8	-	7	-	0	10	-	0	1	62	57	*	0.5	-	*		
	Malin Head	84	1028.2	+6	W	1	df	59	97	2	-	1028.9	+8	W	1	c	59	85	6	5	-	3	3	800	0	1	62	56	*	-	0.4	0.8			
18	Aldergrove	268	1029.0	+2	SW	1	m	59	85	4	5	-	1029.7	+8		0	md	59	97	4	5	-	10	10	800	1	*	67	58	56	Tr	Tr	2.3		
19	Birr Castle	173	1029.4	+2	NW	1	o	59	97	8	5	-	1030.5	+10	W	1	c	59	92	8	5	-	10	10	2500	0	*	74	58	58	-	Tr	5.6		
	Valentia Obay.	30	1030.1	+6	WS	2	F	57	97	2	-	1031.5	+10	S	2	id.																			

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET
BRITISH SECTION
Tuesday 9th September, 1941.
No. 29146

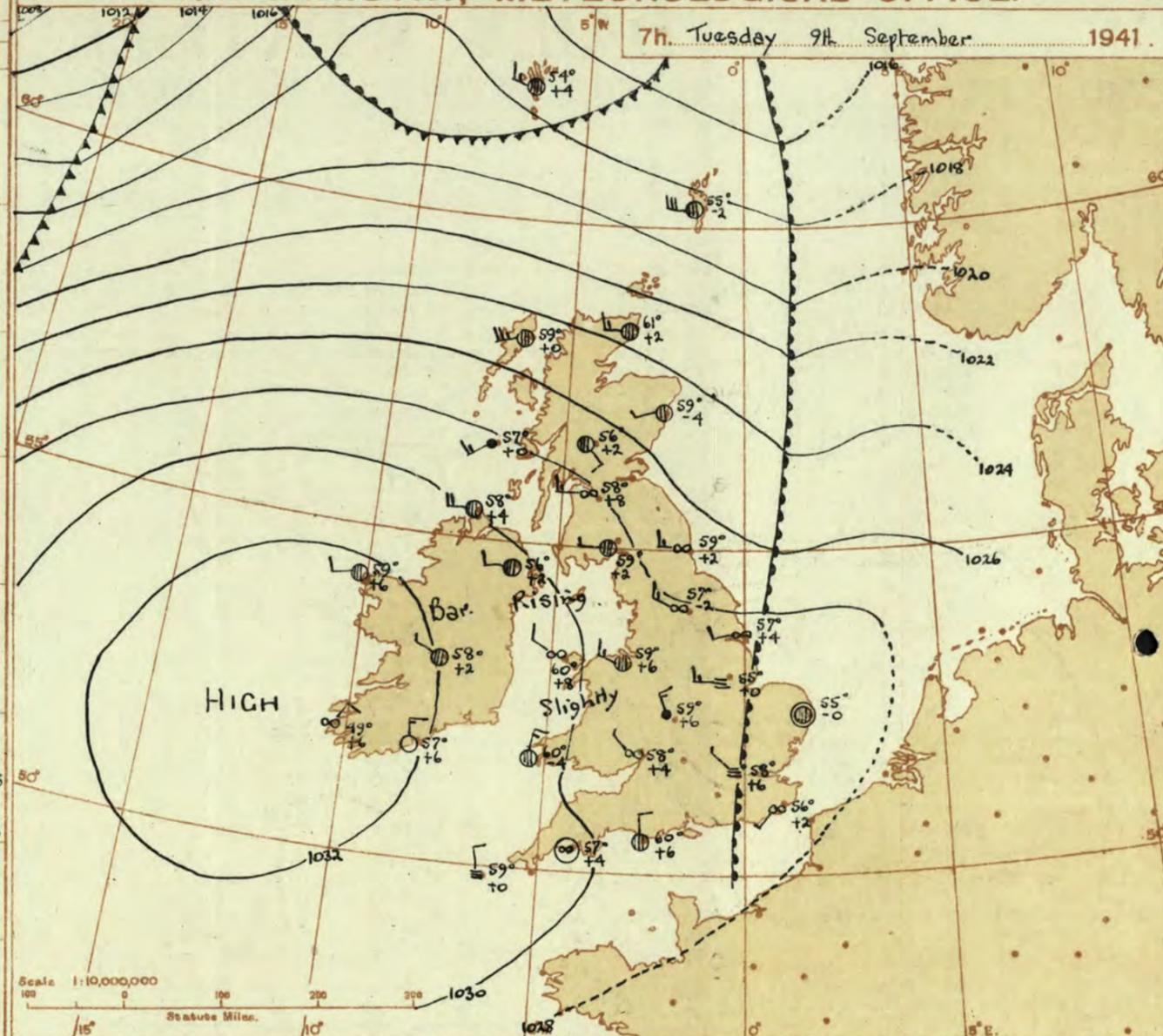
OBSERVATIONS at 13h. G.M.T. 8th September.														OBSERVATIONS at 18h. G.M.T. 8th September.														PAST 24 HOURS.								
DIRECTION.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					Sea. 0-9 (30)	WEATHER.									
				Dirac. 0-12 (3)	Force. (4)				Weather. (5)	Form. (9)	Amount.		Height of Base. (feet) (14)			Form. (23)	Amount.				Height of Base. (feet) (28)	State of Ground. (29)	7h.-13h. ... 315. (37)	13h.-18h. ... 315. (38)	18h.-24h. 1h... 215. (39)		1h.-7h. ... 215. (40)									
											Low.	Med.					High											Low	Total	Low	Total					
1	London (Kew) ...	1030.8	-10	SSE	2	20	64	65	5	-	-	7-8	7-8	4000	1029.3	-6	S	2	20	63	75	6	5	-	-	10	10	4000	1	*	bmwbczo	cbcczo	bbccmcwmo	cmo		
	Croydon ...	1030.5	-8	H	1	20	63	65	5	-	-	9+	9+	4000	1028.8	+6	SE	2	20	61	75	6	5	-	-	9+	9+	4000	0	*	czo	czo	cz-cmc	ccmo,cm		
	S. Farnborough	1030.8	-10	w	2	20	68	65	7	3	-	4-6	7-8	4000	1029.0	-8	SSW	1	20	65	65	7	5	7	-	-	7-8	9+	2500	0	*	cmobccy	cbccmo	cmobwcm	cmfm	
	Boscombe Down	1031.1	-2	-	0	20	65	65	7	5	7	4-6	9	4000	1029.7	-1	WN	2	20	63	75	6	-	7	-	-	0	7-8	-	0	*	bcmobz	bczo	bcmobwcm	cmfm	
	Thorney Island	1031.1	-6	SSW	2	20	63	55	8	1	3	-	1-6	4000	1029.9	-6	SW	2	20	61	75	7	-	1	-	0	2-3	-	0	*	wbbcy	beybc	bcmobwcm	cmfm		
	Lympe	1030.6	-6	NNE	1	20	59	65	8	7	3	1	7-8	7-8	2500	1029.7	-2	-	0	57	85	8	5	-	-	9+	9+	3500	0	2	cmoc	c	cmoc	cmo		
	Manston	1030.6	-6	NNE	2	20	59	75	8	7	3	-	9	6000	1030.0	-2	-	0	57	75	8	7	-	-	-	9+	9+	4500	0	*	c	c	cmoc	cmo		
2	Shoeburyness ...	1031.3	-6	-	0	20	59	75	8	5	-	9	10	4000	1029.7	-10	-	0	58	75	7	5	-	-	-	10	10	5700	0	*	c	c	cmofic	co		
	Felixstowe ...	1030.6	-2	NW	2	20	60	65	8	8	-	7-8	9+	2500	1029.3	-4	NE'E	1	20	58	75	8	5	-	-	10	10	3500	1	1	c	c	cmo	cmo		
	Gorleston ...	1030.7	+2	N'E	3	20	57	65	7	2	-	4-6	4-6	3000	1029.8	-4	N	2	20	58	65	7	5	3	-	-	4-6	4-6	2500	0	3	2bc	bc	cmo	cmo	
	Mildenhall ...	1030.6	-10	-	0	20	60	75	9	7	-	2-3	9+	3000	1029.1	-10	SS'E	1	20	58	85	7	5	-	-	9+	9+	4500	0	*	cmgmpy	evc	cmo	cmo		
	Cranwell ...	1030.4	-10	S'E	2	20	60	75	7	5	3	-	4-6	9+	5000	1028.8	-6	SE	2	20	57	85	7	5	-	-	10	10	2000	0	*	c	c	cmo	cmo	
3	Birmingham	1029.4	-4	WSW	2	20	67	65	6	7	3	-	4-6	9+	1500	1028.7	-4	NW	2	20	64	75	5	5	-	-	10	10	1500	1	*	c	c	cmo	cmo	
	Upper Heyford	1030.3	-6	SW	2	20	67	65	6	1	4	-	4-6	4-6	2500	1028.7	-4	W	2	20	64	85	6	5	-	-	9+	9+	2500	0	*	bbcczmo	bcmo	cmo	cmo	
	Ross-on-Wye ...	1029.5	-4	SW	2	20	60	75	6	1	3	-	1	7-8	2500	1028.3	-8	SSW	2	20	66	85	5	5	-	-	9+	9+	2500	1	*	c	c	cmo	cmo	
5	Hartland Point	1031.3	0	WSW	3	20	62	85	7	5	-	9+	9+	3000	1030.0	-6	WSW	2	20	62	92	7	5	-	-	2-3	4-6	4000	0	2	bc	cbccbc	bc	cmo		
	Bristol ...	1031.0	-2	W	2	20	65	75	7	5	3	-	4-6	9+	3000	1029.1	-14	W	2	20	63	85	6	5	3	-	-	4-6	9+	4000	0	*	q, b, a	c, b, z, f, m	cm, cmo	cmo
	Portland Bill ...	1031.3	+6	WSW	2	20	62	85	8	2	-	4-6	4-6	4000	1030.2	-6	W	2	20	60	85	8	5	-	-	7-8	7-8	4000	1	3	bc	c	cmo	cmo		
	Plymouth ...	1032.0	0	SSW	2	20	64	75	9	7	-	-	1	3000	1031.3	-2	SSW	2	20	60	75	8	5	-	-	1	1	4500	0	2	bmocmbz	czob	bbcczmo	cmo		
	The Lizard ...	1031.4	+2	E	3	20	65	85	7	4	-	4-6	4-6	2500	1031.0	0	-	0	62	75	7	4	-	-	-	4-6	4-6	1600	0	2	bc	bc	bcbw	cmo		
	Soilly (St. Mary's)	1031.4	+2	E'N	1	20	66	85	7	5	1	3	2-3	4-6	1500	1031.0	0	-	0	62	85	7	-	-	-	0	4-6	-	0	2	b, bc	bc	bbFFe	boofFe		
	Guernsey ...	1031.4	+2	E'N	1	20	66	85	7	5	1	3	2-3	4-6	1500	1031.0	0	-	0	62	85	7	-	-	-	0	4-6	-	0	2	b, bc	bc	bbFFe	boofFe		
6	Pembroke ...	1031.3	0	N'W	3	20	59	92	1	-	-	10	10	2150	1031.0	-2	N'W	2	20	61	92	3	-	-	-	-	10	10	2150	0	2	cf	ffo	cfcm	cmo	
7	Holyhead (Valley)	1030.2	-2	SW	2	20	60	97	5	5	-	10	10	800	1029.7	-2	WSW	2	20	61	92	6	5	-	-	-	10	10	800	0	1	cmfmfm	cmo	cmo	cmo	
	Chester (Sealand)	1029.5	-8	NW	3	20	65	75	5	5	-	10	10	2200	1029.1	-6	WNW	3	20	62	92	5	5	-	-	-	9+	9+	800	0	*	cmnoz	cmo	cmo	cmo	
	Manchester ...	1029.8	-6	WSW	1	20	63	85	5	5	-	10	10	3500	1029.0	-6	WS	2	20	60	97	5	5	-	-	-	10	10	600	0	*	cfmzo	cmo	cmo	cmo	
10	Spurn Head ...	1030.7	-4	SE	2	20	57	75	7	5	-	10	10	4000	1029.8	-4	SE	3	20	57	75	7	5	-	-	-	10	10	5700	0	2	o	o	cmo	cmo	
	Catterick ...	1030.4	-6	SS'E	1	20	56	85	6	5	7	-	7-8	10	2500	1029.3	-6	SS'E	1	20	56	92	5	5	-	-	-	10	10	1500	1	*	cmo	cmo	cmo	cmo
	Tynemouth ...	1030.1	-10	S	3	20	55	85	7	5	-	9+	9+	2500	1027.8	-8	SW	2	20	57	85	4	5	-	-	-	10	10	2000	0	3	c	cmo	cmo	cmo	
11	St. Abbs Head	1029.5	-6	SSW	3	20	55	85	8	5	2	-	7-8	10	2500	1028.6	0	SSW	1	20	56	92	7	5	2	-	-	9	10	2500	0	2	c	c	cmo	cmo
	Leuchars ...	1029.5	-6	WSW	1	20	58	75	7	5	2	-	7-8	10	2500	1028.0	-6	W	2	20	61	92	7	5	3	-	-	4-6	10	4000	0	*	c	c	cmo	cmo
	Renfrew (Abbots L.)	1029.8	-2	ESE	1	20	57	85	6	5	-	-	10	10	1000	1028.7	-6	NW	1	20	60	85	5	5	-	-	7-8	10	2000	0	*	cidobmo	cmo	cmo	cmo	
	Eskdalemuir ...	1029.4	-4	SE'S	1	20	55	85	6	5	-	-	10	10	1500	1028.5	-4	SW	2	20	57	85	6	5	-	-	-	10	10	800	1	*	cmo	cmo	cmo	cmo
	Point of Ayre ...	1029.5	0	W	1	20	61	92	6	5	-	-	10	10	2000	1029.5	0	NW	2	20	61	92	6	5	3	2	2-3	9	2000	0	1	cz	cz	dadao	dadao	
13A	Tiree ...	1029.0	0	SW'S	1	20	59	92	6	5	-	10	10	800	1028.3	-4	WSW	2	20	60	97	5	5	-	-	-	10	10	200	1	2	cmo	oidmo	cmo	oid.	
13B	Stornoway ...	1028.0	0	SE	3	20	56	97	8	5	7	-	7-8	9+	2500	1026.5	-8	SW	4	20	60	85	8	5	7	-	-	7-8	9+	2000	1	2	cmof	epf	cmo	cmo
15	Dalwhinnie	1029.1	0	S	2	20	54	85	7	5	-	10	10	1500	1029.1	-4	SW	2	20	57	85	7	5	-	-	-	10	10	1500	0	*	o	o	cmo	cmo	
	Aberdeen ...	1029.5	-12	SE	2	20	57	75	7	7	3	7	4-6	4-6	2800	1028.1	-12	SW	3	20	54	85	6	5	7	-	-	9+	9+	2000	0	2	cb	bczo	cz, p, bc	bcw
	Wick ...	1029.3	-6	SE	3	20	55	85	8	-	3	9	0	2-3	-	1027.1	-12	SE	3	20	53	97	3	2	-	-	10	10	5700	1	*	cb	bc, r, o	bc, r, o	cmo	
	Sumburgh ...	1029.9	-4	SW	1	20	53	85	9	-	3	9	0	9	-	1027.4	-12	SSW	2	20	49	85	7	5	2	-	-	7-8	10	3						

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 8th. Sept.				13h. G.M.T.				01h. G.M.T. 9th. Sept.				07h. G.M.T.				
III	C _m	wwVhN _h	DDFWN	C _m	wwVhN _h	DDFWN	C _m	wwVhN _h	DDFWN	C _m	wwVhN _h	DDFWN	C _m	wwVhN _h	DDFWN	
106	2	0000	3404	5-	02048	24428				5-	08438	57628				
115	5	2	02844	12227	52	81738	20488	--	46100	20480	--	46100	20440			
203					5-	25838	6488	5-	02838	10458						
206	67	02875	00027	57	02803	00228	57	02855	22367	57	01855	22268				
210	57	02864	01127	57	22864	2268	5-	22707	22867	5-	02067	22427				
220																
230	5-	03638	00058	5-	05538	18228	5-	51628	20156	5-	03728	20358				
245	57	02764	16327	57	81645	13387	57	05600	00088	5-	02966	22227				
260	5-	05548	00028	54	05500	28127	5-	05605	20225							
275	5-	05648	32158	57	02845	20428	5-	05518	28458	5-	52618	28408				
279					5-	05548	00028	57	41447	20348	57	02745	22228			
285					5-	03538	00028									
288	5-	58768	17268	5-	05648	20168	5-	05608	18128	54	05654	20226				
576	52	21736	26358	63	02735	28327	5-	51648	26258	5-	51748	26158				
805	5-	05548	25328	5-	05525	28228	53	05645	30247	5-	05634	20358				
321	5-	05658	12228	5-	05658	12128	5-	05538	14128	53	45304	21147				
299					5-	02847	16227	5-	05648	20228	5-	05548	22228			
292	5-	05668	17128	5-	17538	00068	5-	05567	00027	57	08444	11147				
310	00	03638	08218	--	05428	24228										
614	07	08420	14128	57	05560	06127	5-	08448	00028	07	05530	26217				
333	52	05646	24228	52	05646	28228	5-	21648	00058	5-	52628	24258				
334					--	03657	06128	--	03538	16128						
340	5-	05668	00028	5-	05658	01228	03	08400	28227	5-	57329	28258				
1367	02	02057	00057	57	02051	06128	5-	02868	10228	5-	03868	16128				
336	52	02763	28317	51	05652	24317				51	02763	28328				
350	13	01753	20224	52	05656	16128	5-	05638	04128	5-	08428	28228				
368	5-	05678	22328	5-	05678	24328										
379	53	05661	20215	00	05630	25223	5-	08457	30267	5-	08438	30228				
390	5-	02768	00028	53	02774	00024	5-	05658	00058	5-	05667	26127				
382	13	00762	22213				5-	08447	27227	5-	05548	30228				
438	51	02764	04227							8-	03528	02228				
430	53	01862	16113	00	00800	20211	03	05630	28116	52	21446	22158				
400	50	01764	24114	03	01700	28224	50	02838	00028	50	41418	32248				

III - Index Number of Station—See M.O. 253 or list issued on 1st of each month.
ww, W - Present and past weather—See M.O. 252.
h, N_h - Height and amount of low cloud—See M.O. 252.
N - Total amount of cloud—See M.O. 252.
C, C_m - Form of low and medium cloud—See page 1.
V, V_m - 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 9th September 1941
1 S.E. England	Light variable or N.W. wind; cloudy; slight local drizzle at first; average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light N. wind; variable cloud; average temperature.
6 South Wales ...	
7 North Wales ...	Light or moderate N.W. to W. wind; cloudy; local drizzle; average temperature.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Light or moderate W. wind; fair; rather warm.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Light or moderate W. wind, fresh in North Scotland; cloudy; some drizzle; average temperature.
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	

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 large anticyclone is centred over West Ireland. Weather will be mainly cloudy, but there will be bright intervals in the S.W. and N.E. Drizzle will occur locally, chiefly in the N.W.

FURTHER OUTLOOK.

Similar.

Forecasts issued at 1030 G.M.T.

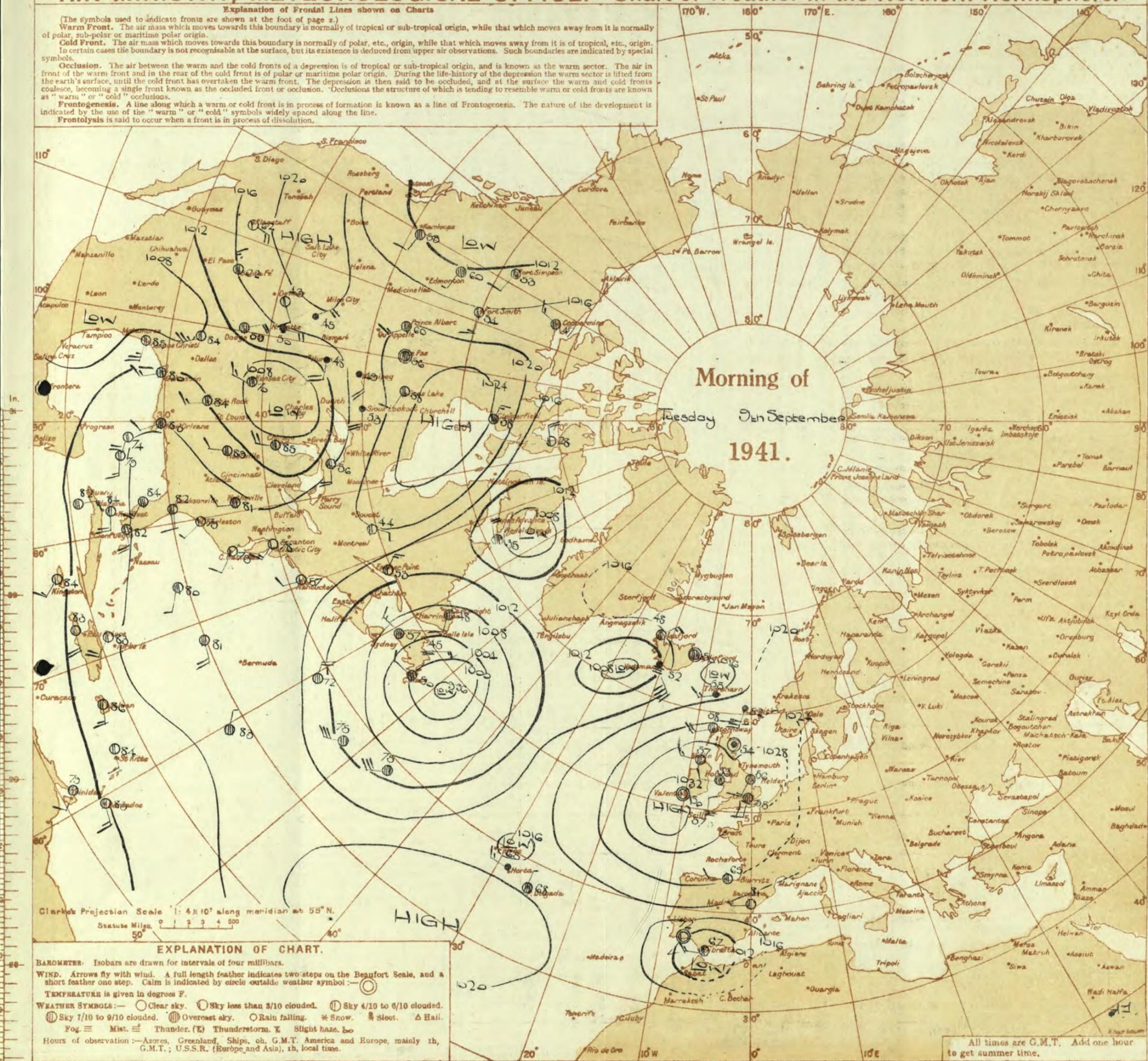
N. K. JOHNSON. D.Sc., A.R.C.S.
Director.

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

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

Explanation of Frontal Lines shown on Charts

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



Morning of
 Tuesday 2nd September
 1941.

Clark's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol: — ○
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: — ○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. * Snow. * Sleet. △ Hail.
 Fog ≡ Mist ≡ Thunder. (E) Thunderstorm. X 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.

SECRET
BRITISH SECTION
Wednesday 10th September 1941.
No. 29147.

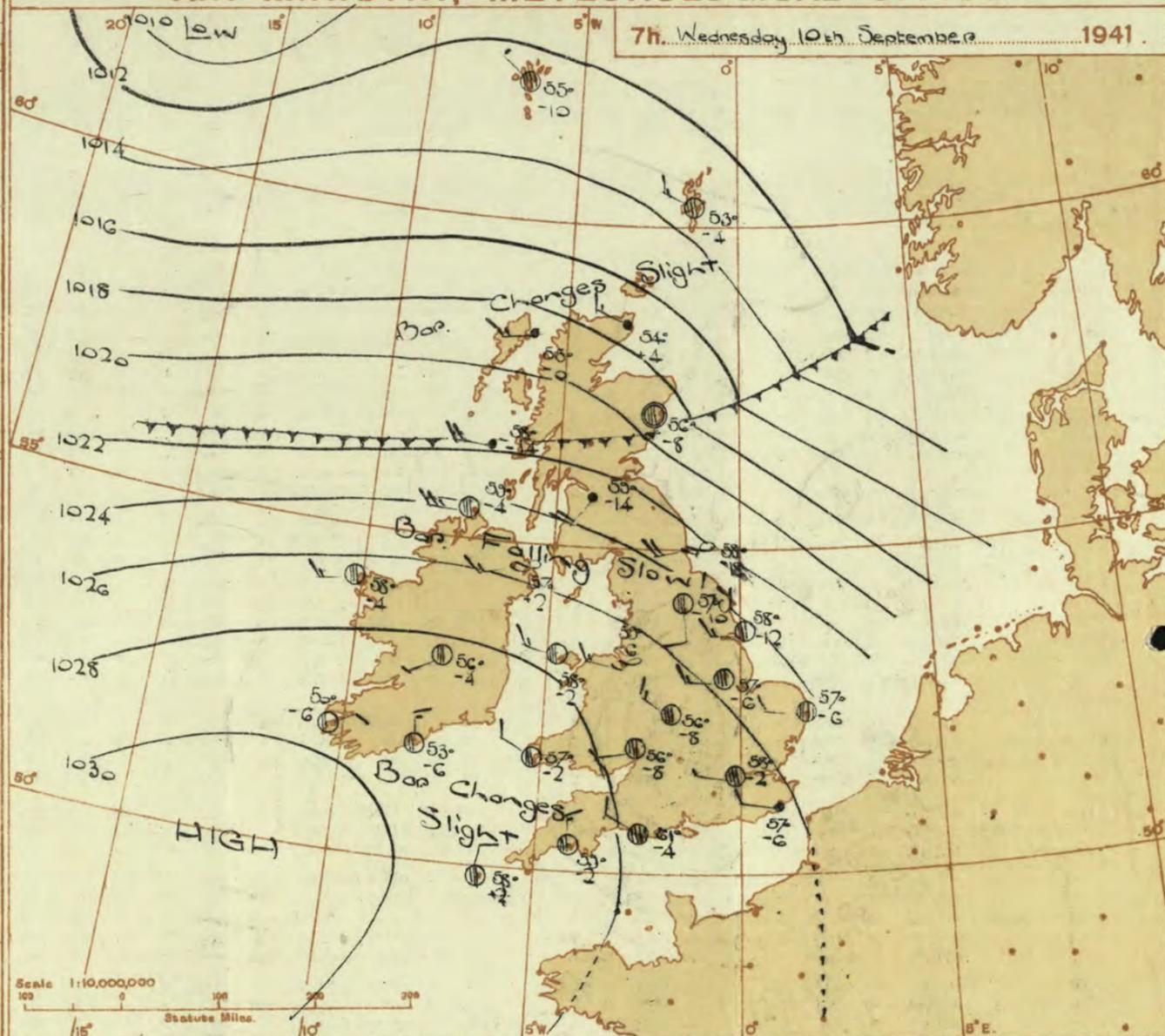
OBSERVATIONS at 13h. G.M.T. 9th September															OBSERVATIONS at 18h. G.M.T. 9th September															PAST 24 HOURS.					
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	° Humid. (7)	Visibility. (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	° Humid. (21)	Visibility. (22)	Cloud.					Sea. 0-9 (29)	State of Ground. 0-9 (30)	WEATHER.					
				Dirce. 0-12 (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Form. (23)	Amount (24)			Height of Base. (feet) (25)	7h.-18h. (37)					18h.-9h. (38)	9h. to 1h. 10h. (39)	1h.-7h. (40)										
																										Low.	Med.			High	Low	Med.	High		
1	London (Kew)...	1028.6	0	NNW	2	z	67	75	6	5	-	7.8	7.8	2500	1028.2	-2	NNW	2	z	67	75	6	5	-	1	Tr	1	2500	0	*	cmom	z	cbcbz	bbcc	cmow
	Croydon ...	1028.4	-2	N	2	z	67	75	4	5	-	9	9	2000	1027.5	-2	NNW	1	z	67	75	6	-	-	1	Tr	-	-	0	*	of cm	czobz	brmowcm	omoid	
	S. Farnborough	1028.9	-2	NW	3	z	68	65	6	1	-	5	2-3	4-6	2500	1028.3	-2	NNW	2	z	65	75	6	-	-	0	0	-	0	*	cmobcz	bcobz	bzofwcm	comdd	
	Boscombe Down	1029.5	+2	NNE	2	z	65	75	6	5	-	10	10	2000	1029.2	-2	N	2	z	64	85	6	5	-	9+	9+	1600	0	*	cm	cm	bccnfl	offod		
	Thorney Island	1028.8	-2	NW	2	z	69	75	6	5	-	7.8	7.8	1500	1028.1	-2	NW	3	z	66	75	6	-	3	-	0	4-6	-	0	*	cm	cmobcm	bctom	bm.on	
	Lympne ...	1029.0	-2	SE	1	c	59	85	7	5	-	10	10	1200	1028.3	-4	SW	1	z	59	85	6	-	7	-	0	9	-	0	*	cmoc	cm	cmom	bffoid	
	Manston ...	1028.7	-6	-	0	z	63	75	6	7	-	10	10	2500	1027.9	-4	SW	1	z	61	85	6	5	7	-	4-6	9+	5000	0	*	cm	cm	id.cm	cmwcm	
2	Shoeburyness ...	1028.9	-4	SSW	1	c	63	75	6	5	1	-	4-6	7.8	4000	1027.6	-6	S	1	c	64	85	5	5	-	9	9	5700	0	*	cmocm	cm	cm	cm	
	Felixstowe ...	1028.1	-6	S	1	c	63	75	7	5	-	-	9+	9+	4000	1027.2	-6	SW	2	c	63	75	6	5	-	10	10	3500	0	2	cmoc	cmoir	ormobc	bmocm	
	Gorleston ...	1028.3	-6	SSW	2	c	63	75	6	5	-	-	7.8	7.8	2900	1027.1	-2	NW	1	c	65	75	5	5	-	9+	9+	2500	0	2	c	czaz	c	cz	
	Mildenhall ...	1027.5	-8	WS	1	z	70	75	6	5	3	-	4-6	9	4000	1026.9	-2	WNW	2	z	68	92	6	5	-	9+	9+	4000	0	*	cm	czcm	cm	cm	
	Cranwell ...	1027.9	-6	WNW	1	z	69	75	6	4	3	-	4-6	9+	3000	1027.3	-2	NW	3	z	67	75	5	3	-	2-3	7.8	3000	0	*	efbcz	cz	czcmob	bm,cm	
3	Birmingham	1029.8	0	NNW	3	z	62	85	5	5	-	9+	9+	2500	1029.2	-2	NNW	2	z	61	85	6	5	-	10	10	800	1	*	odoc	cz	o	oc		
	Upper Heyford	1029.2	-2	NNW	2	z	62	85	5	5	7	-	9	10	1200	1028.7	0	NNW	2	z	64	85	5	5	-	9+	9+	1500	0	*	cm	cm	cm	cmoc	
4	Ross-on-Wye ...	1029.6	0	N	2	c	66	85	8	5	-	10	10	2500	1028.4	-8	ES	1	c	67	85	8	5	-	9+	9+	2500	1	*	cc	cbcc	c	c		
5	Hartland Point	1030.8	+2	N	1	c	62	97	6	5	-	9	9	400	1029.8	-4	N	3	c	61	92	8	8	-	9+	9+	1000	0	2	c	c	cbzcm	cbcc		
	Bristol ...	1030.0	-2	N	1	c	66	75	7	5	-	10	10	1200	1028.9	-8	N	0	c	68	85	7	5	-	9	9	1200	0	*	cmowc	c	c	cmoc		
	Portland Bill ...	1029.4	0	N	2	c	66	85	7	5	2	-	7.8	10	2500	1028.7	-8	N	2	c	65	85	7	5	-	10	10	2500	1	2	c	c	c	c	
	Plymouth ...	1030.5	-2	NW	2	z	68	75	7	5	-	9	9	3500	1029.9	-2	NNE	2	c	67	75	7	5	-	7.8	7.8	2500	0	2	cmoz	cbcc	brnc	cbccid		
	The Lizard ...	1030.4	-2	N	3	c	64	85	6	8	2	-	9	10	1500	1029.9	-4	N	0	c	64	85	8	8	2	-	7.8	9+	2000	0	2	cdccz	c	c	cdad
	Scilly (St. Mary's)	1031.4	+2	NNE	2	c	65	85	6	5	-	10	10	1100	1030.5	-2	NNE	2	c	61	92	7	5	-	7.8	7.8	1500	0	2	cbcc	c	cbcc	cbcc		
	Guernsey ...	1031.4	+2	NNE	2	c	65	85	6	5	-	10	10	1100	1030.5	-2	NNE	2	c	61	92	7	5	-	7.8	7.8	1500	0	2	cbcc	c	cbcc	cbcc		
6	Pembroke ...	1031.6	+2	NNW	2	d.c.	64	85	6	8	-	9+	9+	2500	1031.2	-6	N	2	c	60	92	6	8	-	9+	9+	2500	0	2	cm	cm	cm	cmow		
	Holyhead (Valley)	1031.0	+2	NW	3	d.c.	60	92	5	5	-	10	10	600	1030.0	-6	NW	3	c	60	85	7	5	-	10	10	2000	0	2	cdmdd	cmcd	cm	cmoc		
	Chester (Sealand)	1030.0	+2	WNW	4	d.c.	63	85	6	5	-	9+	9+	500	1029.6	-2	WNW	3	z	60	85	6	5	-	9+	9+	1500	0	*	cm.d.c	cm	cm	cmoz		
	Manchester ...	1029.7	+2	WNW	3	c	61	92	7	5	-	9+	10	1100	1029.4	-2	WN	2	z	59	92	6	5	-	10	10	2500	0	*	cm.d.d	moidd	cmoid	cm		
10	Spurn Head ...	1027.6	-2	WNW	3	z	67	75	5	5	-	9+	9+	1800	1026.9	-6	SE'S	2	z	61	97	6	7	-	9	9	1500	0	2	cm	cmoc	cm	co		
	Catterick ...	1027.0	-2	WN	3	c	67	65	8	8	4	-	4-6	7.8	2800	1027.2	-2	WNW	2	bc	63	75	8	5	-	2-3	4-6	2800	0	*	cbc	bc	bc	bc	
	Tynemouth ...	1026.7	0	W	5	bc	68	65	8	7	3	-	4-6	4-6	3200	1026.5	0	W	4	bc	65	65	7	-	4	1	0	4-6	-	0	3	cbc	bc	bc	
11	St. Abba Head	1025.8	0	NW	4	c	62	85	8	4	4	2	4-6	7.8	2500	1025.1	-2	NW	3	bc	62	85	8	4	4	-	2-3	2-3	2500	0	2	c	bc	bc	bc
	Leuchars ...	1025.8	-2	W	4	bc	70	65	9	5	-	2	2-3	2-3	3500	1025.1	-2	W	4	bc	64	75	9	4	7	-	2-3	4-6	4000	0	*	cbc	bc	bc	bc
	Reafrow (Abbots L.)	1028.6	-4	WS	4	c	61	85	8	5	-	9+	9+	1800	1028.0	-6	WSW	2	c	59	85	8	5	-	9+	9+	2400	0	*	cmocid	c	cm	ccid		
	Eskdalemuir ...	1027.9	0	NNW	3	bc	60	75	7	7	-	1	4-6	4-6	1500	1027.5	-2	WNW	3	c	57	85	7	5	-	7.8	7.8	1500	0	*	cbc	bc	c	ccid	
	Point of Ayre ...	1030.1	0	NNW	3	c	60	92	7	5	-	9+	9+	4000	1029.8	-4	NNW	3	c	59	92	7	5	-	9+	9+	2500	1	3	cdcc	cdcc	c	ccid		
13A	Tiree ...	1028.1	0	WSW	3	c	61	85	7	5	-	9	9	1500	1027.7	-4	WSW	2	c	59	92	7	5	-	9+	9+	2500	0	3	c	c	co	oir		
13B	Stornoway ...	1025.4	-4	SW	4	c	62	92	8	5	7	-	7.8	10	2000	1024.3	-10	SW	5	c	60	85	8	5	7	-	7.8	10	2500	1	3	bc	c	cpr	cpr
15	Dalwhinnie ...	1027.8	-4	SW	2	bc	61	85	8	8	-	9	9	1500	1025.3	-2	SW	4	c	55	85	8	5	-	9+	9+	1500	1	*	c	cid	cid	cid		
	Aberdeen ...	1024.5	-4	WNW	3	bc	70	65	8	7	-	1	4-6	4-6	3100	1023.8	-2	NW	2	c	66	65	8	7	-	7.8	7.8	3500	1	1	cbc	bc	bc	circm	
	Wick ...	1023.7	-2	WN	4	c/pr	66	85	9	8	3	1	4-6	7.8	1500	1023.2	-4	W	3	c	61	85	9	5	-	9+	9+	3500	0	*	cprc	c	ccir	irc	
	Sumburgh ...	1019.5	+6	WNW	6	ip	57	92	4	5	-	10	10	100	1019.6	+2	WNW	6	z	55	97	5	5	-	10	10	100	1	*	fdfif	r	ccir	irc		
17	Blackod Point...	1031.2	0	WSW	2	c	61	85	7	-	1	-	0	10	-	1030.6	-4	WSW	2	c	60	85	7	-	7	-	0	10	-	0	1	e	cid	c	c
18	Malin Head ...	1029.7	+2	W	4	id.	59	92	6	6	-	9+	9+	800	1029.1	-4	W	3	c	59	85	7	8	-	9+	9+									

Abridged observations of additional stations in the
AVIATION WEATHER CODE

1st. G.M.T. 9th September. 18h. G.M.T.				01h. G.M.T. 10th September. 07h. G.M.T.								
III	C _w	Vh _N	DDFWN	C _w	Vh _N	DDFWN	C _w	Vh _N	DDFWN	C _w	Vh _N	DDFWN
109	5	55418	55658	5-	03748	22558	5-	62538	54728	53	02735	23368
115	-	48109	20443	52	02834	20447	--	67109	10569	52	81738	24488
203				5-	02838	20428	5-	55838	16528	5-	02938	20258
206	5-	02865	22425	6-	25967	22297	57	02956	22428	83	02955	22165
210	87	02965	22526	5-	02957	22327	53	02957	22527	53	52746	22468
220	53	01845	22316	52	02744	22228				5-	52408	25358
230	5-	02847	20327	5-	02857	20427	5-	05657	20427	62	54547	53568
245	74	01954	22413	40	00953	23413	10	01863	22214	57	02865	22287
260	50	02745	22425	5-	05665	22415	5-	05667	22427	5-	61644	22428
278	5-	51658	28358	5-	52648	27458	5-	05648	24358	5-	05658	22528
279	5-	02745	19226	5-	02857	28327	5-	02757	22327	5-	05658	22528
285	5-	05637	24527	23	02635	28515				53	01744	28418
288	74	02855	24357	40	01762	26213	5-	02858	22228	55	02865	20227
575	57	02744	24458	57	02743	26328	5-	02758	24328	5-	02768	22428
801	5-	51628	28358	5-	05647	28357	5-	05648	26358	5-	05668	26328
321	8-	05657	26327	5-	05647	26317	50	05551	27211	5-	05647	26327
290	5-	05847	26227	8-	05655	18215	5-	05647	00027	80	05646	16316
292	24	02864	28226	54	01761	23313	5-	05665	00015	5-	02757	21227
310	-	46103	26243	--	57209	26343				--	01636	26426
614	17	05663	28126	5-	05657	26327	5-	05556	26227	57	05650	26427
332	51	51847	30358	7-	02858	30228	5-	02758	00028	5-	02758	24128
334	-	03656	16128							--	03657	24128
340	5-	02748	29328	5-	02738	31328	5-	05657	24217	5-	02757	26227
136	1-	05565	24215	5-	05667	00027	5-	05648	25428	5-	51428	26248
336	52	02763	24328	51	02752	28327				51	01762	24315
350	5-	05647	26227	07	05690	23214	5-	05547	26217	5-	05658	22328
368	5-	02754	24327	54	01863	24213						
379	5-	21538	30258	50	05644	28224	5-	52538	28258	5-	02751	24237
390	50	05564	00014	5-	05666	27216	5-	08457	28227	5-	05647	25227
362	52	05646	30328	60	05645	24125	5-	51538	02328	5-	05647	24127
488	51	02744	10317							--	04309	30249
430	87	05656	02228	00	05690	00003	00	45390	20140	5-	87238	28158
400	5-	02747	31327	5-	02738	01328	5-	51635	32228	50	02743	31157

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 10th September
1 S.E. England	Light or moderate northwest wind; cloudy but a few bright intervals; rather cool.
2 E. England ...	Light or moderate northwest wind; cloudy, slight rain later, rather cool.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light north to northwest wind; fair but considerable cloud; average temperature
6 South Wales ...	
7 North Wales ...	Moderate west to northwest wind; cloudy or dull, occasional rain spreading southwards; rather 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	Moderate west wind, fresh on coasts backing southwest; cloudy, occasional rain; rather cool.
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	As 7-12
19 S. E. Ireland	
20 S. W. Ireland	Light or moderate west wind; cloudy but some bright intervals today; average temperature

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—

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 off Southwest Ireland is decreasing in intensity and moving south while a cold front is moving slowly south over Scotland. There will be much cloud generally but with some breaks in the South. There will be occasional rain in the North and slight rain will spread southwards as far as the Wash area within 24 hours.

FURTHER OUTLOOK.

Cloudy generally; occasional rain in the North, bright intervals in the South.

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

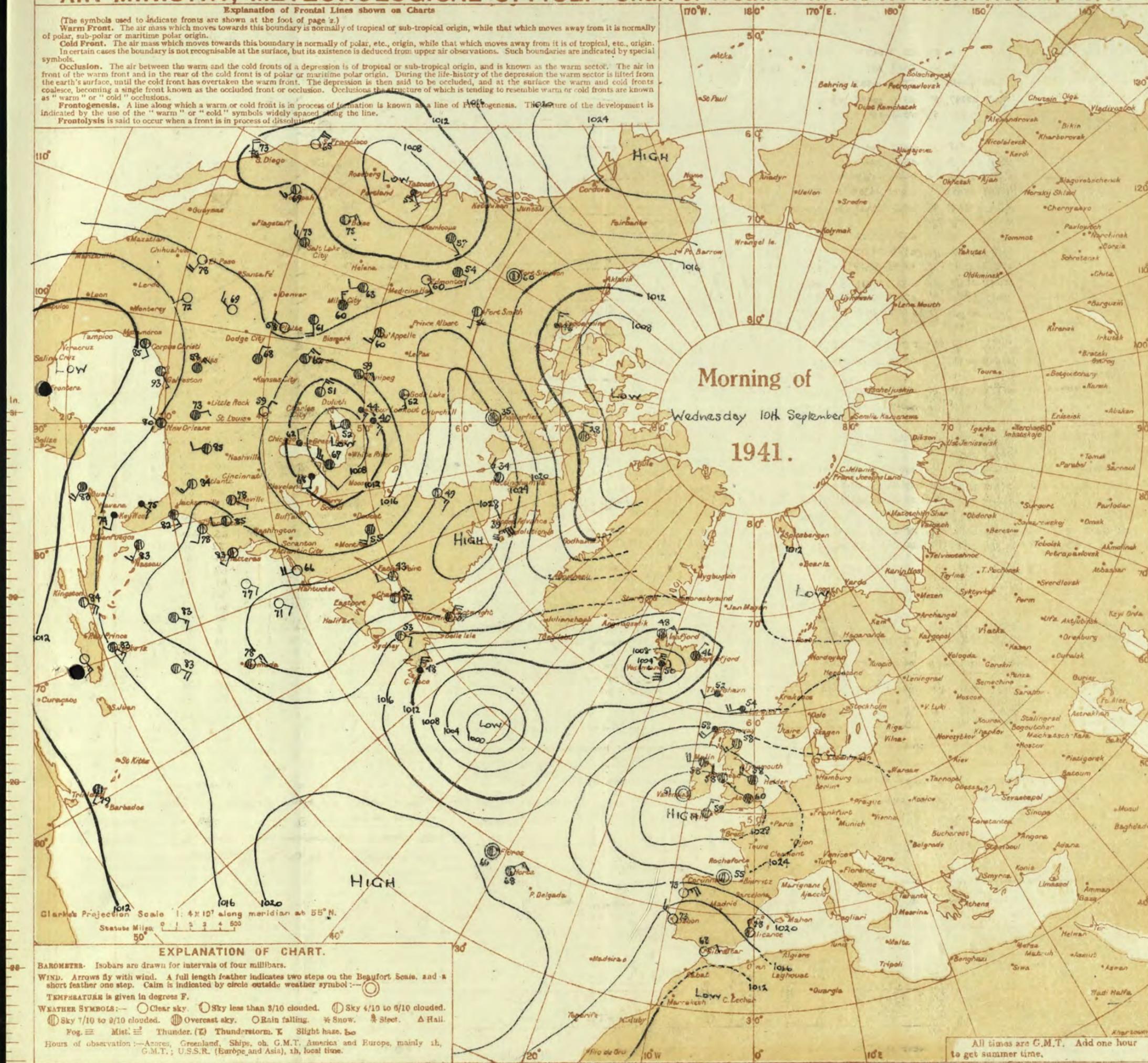
N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

0-209/4120. No. 9/76. D. 6034. Cp. 348. 5/10/41

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.

Main table of weather observations at 1 hr. G.M.T. and 7 hr. G.M.T. for September 10th, 1941, including stations like London (Kew), Croydon, and others, with columns for wind, temperature, humidity, and cloud cover.

LONDON OBSERVATIONS table showing data for stations like Kew, Croydon, and Greenwich, including wind direction and speed, temperature, and rainfall.

Table with columns for Weather, Temperature, Rainfall, Humidity, and Atmospheric Pollution, providing detailed data for the day's observations.

EXPLANATION OF FIGURES, LETTERS, etc. section explaining the coding system used in the weather report, such as wind force and cloud amount.

FOREIGN OBSERVATIONS table listing weather data for international stations like Reykjavik, Lisbon, and Madrid.

Table with columns for Wind, Weather, Temperature, and Rainfall, providing comparative data for the day's observations.

Table with columns for Rainfall, Humidity, and Atmospheric Pollution, providing detailed data for the day's observations.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET
BRITISH SECTION
Thursday 11th September, 1941.
No. 29,148.

OBSERVATIONS at 13h. G.M.T. 10th September.															OBSERVATIONS at 18h. G.M.T. 10th September.															PAST 24 HOURS.				
DIRECTION.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.			Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.			State of Ground. 0-9 (30)	WEATHER.											
				Dirac.	Force. 0-12 (4)				Weather. (5)	Form.	Amount. 0-10 (12)			Height of Base. (feet) (14)	Dirac.				Force. 0-12 (18)	Weather. (19)	Form.		Amount. 0-10 (25)	Height of Base. (feet) (28)	Sea. 0-9 (37)	7h.-18h. 10th. (38)	13h.-18h. 10th. (39)	18h. to 11th. (40)	1h.-7h. 11th. (41)					
																														Low.	Med.	High.	Low.	Med.
1	London (Kew) ...	1025.3	-6	WNW	2	C	63	65	7	5	-	9+	9+	2500	1023.1	-14	WSW	2	C	62	75	7	5	7	2	2-3	9	4000	1	* Cmo Cw C	cbw	bcw	bcw	
	Croydon ...	1025.3	-8	WNW	2	C	63	65	7	5	-	10	10	2500	1023.2	-16	W	1	C	60	75	6	5	4	2	2-3	9+	2500	0	* Cmo C	Cz Cmo	Cbc	Cbc	
	S. Farnborough	1025.0	-14	WNW	2	C	62	65	8	5	-	9+	10	2500	1023.3	-16	WSW	1	C	61	75	7	5	4	4	2-3	7-8	3100	0	* Cmo Cw C	Cz Cmo	Cbc	Cbc	
	Boscombe Down	1025.8	-6	WNW	3	C	61	75	7	5	-	10	10	3000	1024.0	-16	WNW	3	C	61	85	6	5	4	2	2-3	7-8	3000	0	* Cmo Cw C	Cz Cmo	Cbc	Cbc	
	Thorney Island	1026.3	-10	WNW	3	C	61	85	7	7	-	10	10	2500	1024.0	-16	WNW	3	C	62	75	6	5	4	2	2-3	7-8	4000	0	* Cmo Cw C	Cz Cmo	Cbc	Cbc	
	Lympe	1025.1	-10	WNW	2	C	63	75	6	7	-	9+	9+	3500	1023.1	-16	WNW	1	C	59	85	6	5	4	2	2-3	9+	5000	0	* Cmo Cw C	Cz Cmo	Cbc	Cbc	
	Manston	1024.8	-10	WNW	3	C	63	65	6	7	-	2-3	7-8	3000	1022.3	-14	WSW	1	C	59	75	6	5	7	2	1	9+	5000	0	* Cmo Cw C	Cz Cmo	Cbc	Cbc	
2	Shoeburyness ...	1025.3	-8	WNW	3	C	63	65	7	5	-	10	10	4000	1022.7	-14	W	3	C	62	75	6	5	4	2	0	4-6	-	0	* Cmo C	Cz Cmo	Cbc	Cbc	
	Felixstowe ...	1024.2	-6	WNW	4	C	62	65	6	5	-	10	10	2000	1021.4	-14	WSW	3	C	64	75	6	5	2	-	9+	10	3000	1	3 Cmo	Cz Cmo	Cbc	Cbc	
	Gorleston ...	1023.3	-14	WNW	3	C	61	65	7	5	-	10	10	1800	1020.9	-6	WNW	3	C	64	65	6	5	1	-	10	10	1600	0	2 Czo	Cz Cmo	Cbc	Cbc	
	Mildenhall ...	1024.0	-10	WNW	4	C	64	75	7	5	1	4-6	10	2500	1021.3	-14	W	2	C	62	85	6	5	1	-	7-8	10	3000	0	* Cmo C	Cz Cmo	Cbc	Cbc	
	Cranwell ...	1023.6	-10	WNW	4	C	66	55	7	5	1	4-6	10	1500	1021.3	-14	WNW	4	C	60	75	6	5	7	-	7-8	10	2500	0	* Cmo C	Cz Cmo	Cbc	Cbc	
3	Birmingham	1025.5	-6	WNW	3	C	61	55	7	5	-	9+	9+	2500	1023.1	-12	WNW	3	C	61	65	7	5	7	-	4-6	9+	2500	1	* C	C	C	C	
	Upper Heyford	1025.0	-14	W	3	C	63	65	7	2	-	7-8	7-8	2800	1023.1	-12	WNW	2	C	60	75	7	5	6	-	2-3	9+	3000	0	* C	C	C	C	
	Ross-on-Wye ...	1025.5	-16	W	2	C	62	75	8	7	-	7-8	7-8	2500	1023.8	-16	W	3	C	61	75	8	1	-	6	7-8	9+	2500	1	* C	C	C	C	
4	Hartland Point	1027.8	-8	WNW	3	C	64	85	7	5	1	7-8	9	600	1026.1	-8	WNW	3	C	60	75	7	5	-	2	2-3	7-8	1500	0	3 C	C	C	C	
	Bristol ...	1026.6	-12	WNW	3	C	64	65	7	5	-	9+	9+	2500	1024.2	-10	W	3	C	60	85	7	5	-	6	2-3	9+	2000	0	* C	C	C	C	
	Portland Bill ...	1026.6	-6	WNW	3	C	64	85	7	5	-	7-8	7-8	2500	1024.3	-10	W	3	C	60	92	7	5	-	6	10	10	2500	1	2 C	C	C	C	
	Plymouth ...	1028.1	-8	WNW	3	C	67	65	8	1	-	4-6	7-8	3000	1026.4	-10	WNW	3	C	63	75	8	1	-	6	7-8	9+	3500	0	3 C	C	C	C	
	The Lizard ...	1028.6	-4	W	2	C	63	65	8	8	6	4-6	4-6	1500	1026.9	-6	WNW	2	C	65	75	8	8	6	-	4-6	4-6	2600	0	2 C	C	C	C	
	Soilly (St. Mary's)	1028.0	-6	NIE	2	C	64	75	7	5	4	2	4-6	1800	1027.3	-10	NE/N	1	C	63	85	7	5	4	2	1	4-6	1800	0	2 C	C	C	C	
	Guernsey ...	1028.0	-6	NIE	2	C	64	75	7	5	4	2	4-6	1800	1027.3	-10	NE/N	1	C	63	85	7	5	4	2	1	4-6	1800	0	2 C	C	C	C	
6	Pembroke	1028.4	-14	WNW	3	C	61	85	7	8	6	7-8	7-8	2500	1026.1	-6	W	4	C	59	92	7	7	-	3	7-8	9	2500	0	2 Cmo	Cmo	Cmo	C	
	Holyhead (Valley)	1026.0	-6	WSW	4	C	63	75	7	5	-	2-3	9+	3000	1023.1	-16	WSW	4	C	60	85	7	5	-	10	10	2800	0	2 C	C	C	C		
	Chester (Sealand)	1024.9	-6	WNW	4	C	66	55	6	5	7	4-6	10	1500	1022.7	-12	W	4	C	63	65	7	5	7	6	2-3	9	2500	0	* Cmo C	Cz Cmo	Cbc	Cbc	
	Manchester ...	1024.8	-6	WNW	5	C	63	65	7	5	3	7-8	10	3000	1022.1	-18	W	4	C	61	75	6	5	3	-	9	9+	4000	0	* Cmo C	Cz Cmo	Cbc	Cbc	
10	Spurn Head ...	1021.8	-8	WNW	5	C	64	65	6	7	-	9+	9+	1500	1019.5	-8	WNW	5	C	62	75	6	4	7	-	4-6	7-8	2500	0	3 C	Cmo	Cmo	C	
	Catterick	1021.7	-8	W	4	C	65	65	8	1	-	4-6	10	6300	1019.2	-10	W	4	C	60	85	7	5	7	-	7-8	10	4000	0	* Cmo C	C	C	C	
	Tynemouth ...	1020.6	-4	W	6	C/pr	62	75	6	5	-	9	9	2500	1018.4	-14	W	6	C	60	92	6	8	-	9	9+	2200	0	3 C	C	C	C		
11	St. Abbs Head	1017.8	-10	WNW	5	C/pr	60	85	8	8	7	7-8	10	2500	1015.7	-2	W	4	C	60	75	8	5	7	-	7-8	9	3000	0	3 C	C	C	C	
	Leuchars ...	1017.4	-6	WSW	5	C	64	75	9	5	7	4-6	9+	3100	1016.1	-2	W	3	C	61	65	9	8	7	4	2-3	7-8	3200	0	* Cmo C	Cbc	Cbc	C	
	Benfrew (Abbots L.)	1023.8	-8	WSW	4	C	60	85	7	5	2	9	10	1500	1018.1	-8	WNW	5	C	59	75	8	5	9	1	4-6	9	2000	1	* Cmo C	Cbc	Cbc	C	
	Bakdalemuir ...	1021.1	-8	WNW	5	C	58	85	7	6	2	9	10	800	1018.0	-8	WNW	4	C	57	85	7	5	2	-	7-8	9	800	1	* C	C	C	C	
	Point of Ayre ...	1024.4	-2	W	4	C	62	85	8	5	7	4-6	10	2500	1021.1	-16	WNW	4	C	61	85	7	6	2	-	10	10	2000	0	3 C	C	C	C	
13A	Tiree ...	1020.8	-4	WNW	3	C	60	85	8	8	-	9	9	1500	1018.5	-6	WNW	4	C	58	85	8	8	-	9	9	1800	0	4 C	C	C	C		
	Stornoway ...	1017.7	-16	WSW	4	C/pr	58	75	8	5	7	7-8	9+	1500	1015.6	-6	W	4	C/pr	55	92	7	8	6	-	7-8	9	1500	1	2 C	C	C	C	
	Dalwhinnie ...	1019.0	-16	WSW	4	C	59	65	8	8	4	4-6	9+	2500	1017.0	-10	WSW	4	C	53	85	8	8	-	7-8	7-8	2500	0	* C	C	C	C		
	Aberdeen ...	1017.0	-2	ENE	1	C	60	85	8	9	3	9	9+	1500	1015.1	-12	W	3	C	61	75	8	8	3	9	7-8	7-8	1800	1	1 C	C	C	C	
	Wick ...	1016.4	-8	WNW	4	C	57	85	8	7	-	2-3	9+	1000	1013.9	-10	WNW	3	C/pr	55	92	8	8	7	-	7-8	9+	3000	1	* C	C	C	C	
	Sumburgh ...	1013.6	-4	W	3	C	55	85	8	5	7	7-8	9+	2500	1011.3	-12	WNW	3	C	54	92	5	5	-	10	10	300	1	* C	C	C	C		
17	Blackhead ...	1026.6	-4	WSW	4	C	63	85	7	-	7	9	9+	-	1024.6	-12	WSW	4	C	60	85	8	-	7	0	9	-	0	0	0	3 C	C	C	C
	Malin Head ...	1022.8	-6	W	5	dd	59	97	4	3	-	9+	9+	450	1020.5	-14	W	5	DD	58	97	5	6	-	9+	9+	250	1	3 C	C	C			

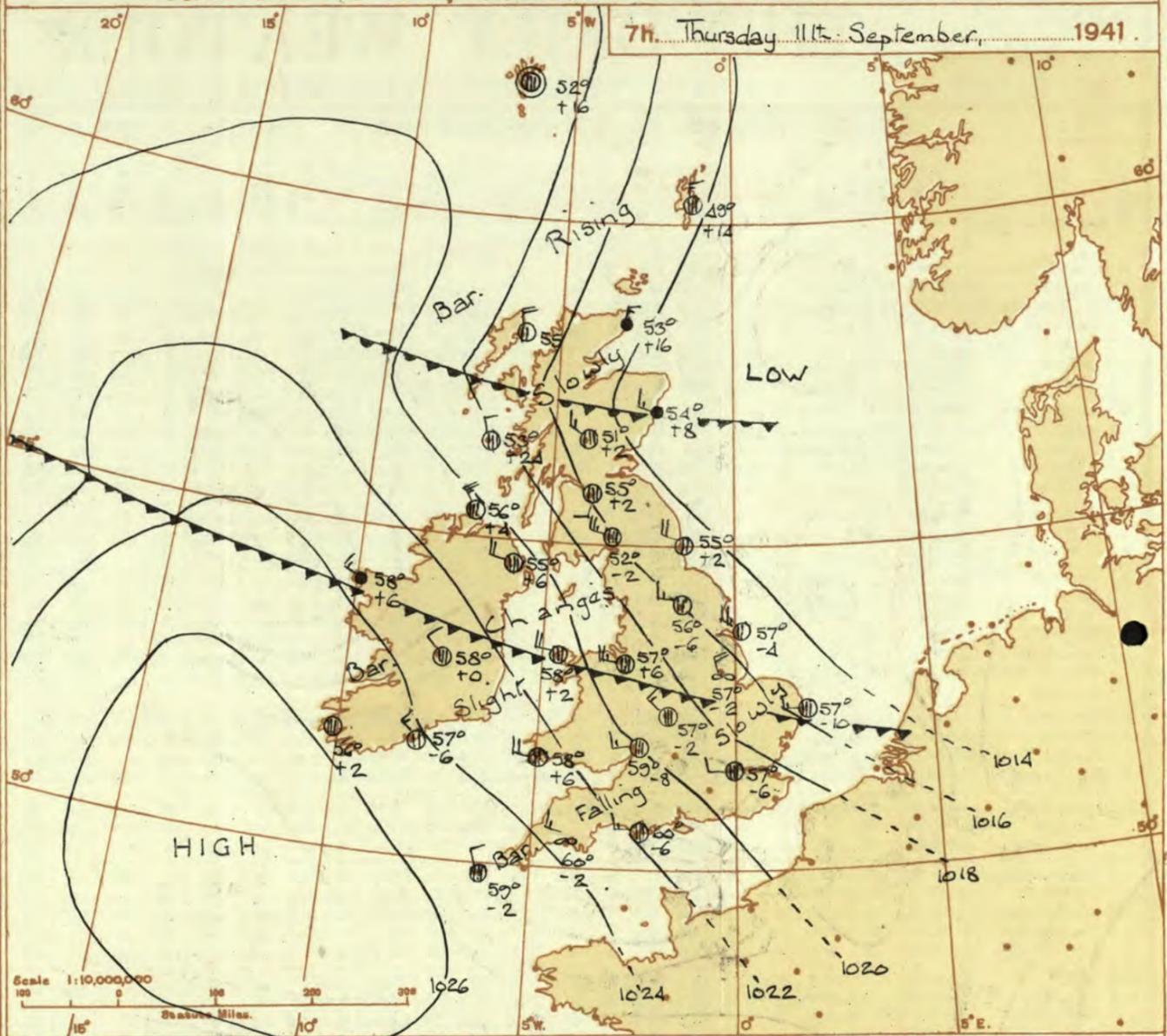
Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 10th. Sept.				18h. G.M.T.				01h. G.M.T. 11th. Sept.				07h. G.M.T.			
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN
109	53	02855	23556	62	03635	22458	5-	02747	26367	5-	02956	02486			
115	57	81734	22487	52	81635	26488	52	81785	26488	52	81834	32387			
203					5-	02838	20458	6-	51838	20458	6-	51838	28458		
206					8c	02966	24426	8-	02957	24227	8-	02855	30385		
210					83	81855	24486	8-	81967	24857	57	61866	31288		
220	83	25846	26387	57	25846	26487				80	81747	28587			
230	87	02944	28466	83	10846	26327	8-	25847	59587	2-	81745	26585			
245					44	01964	26415	5-	02856	22116	67	22955	22367		
260	5-	05635	55548	53	02064	24325				5-	02767	22427			
278	57	02755	23328	52	02857	25468	5-	02867	26457	8-	02855	26425			
279	57	05658	21458	52	58437	22458	03	01800	24327	57	02856	24386			
285	57	51636	26528	5-	62638	28568				23	02635	26516			
288	51	02875	26628	52	61766	22467	14	01834	22324	83	02864	23315			
575	57	02756	24528	57	05754	24428	62	52637	26458	57	01854	28455			
801	53	02766	25527	57	02765	25427	52	05655	50558	8-	81757	61587			
321	57	05663	59427	57	05663	27427	51	05655	24365	54	02765	26326			
299	5-	02747	*	5-	02648	22268	5-	05664	24414	57	01764	24316			
292	51	02865	26428	57	61655	24567	63	05665	25467	5-	02965	25325			
310	--	02638	24518	--	02648	24528	--	--	--	--	02648	24518			
614	5-	05668	26328	57	05674	24427	57	066-5	55228	53	02664	28357			
333	50	02763	24316	5-	02765	22317	5-	02758	53318	5-	05647	26527			
334	--	03657	24328	--	03647	24328	--	--	--	--	02646	24217			
340					5-	02855	26227	5-	05638	22218	53	21845	28356		
136	07	05670	23416	57	05664	24428				83	05644	26485			
336					14	01762	28413				52	63642	28468		
360	5-	05657	24327	57	24228	22561	06	01700	22815	57	05644	26316			
368					07	02761	24227								
379	5-	02757	28327	50	02764	28327	53	05654	28317	50	02755	28316			
390	13	02615	26427	01	05670	24328	03	05690	24314	53	05664	23325			
382	5-	02847	22327	53	02765	22116	03	05690	23126	50	05656	23317			
438	5-	02548	24228												
430	57	02767	20258	54	02753	20127	03	05690	26115						
409	54	02744	30315	5-	05636	30327	5-	05638	29228	54	05524	28226			

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 11th. September, 1941.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 11th. September, 1941.

1 S.E. England	Moderate W.-N.W. wind; mainly cloudy, occasional slight rain locally; some bright intervals; rather cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light to moderate N.W. wind; mainly cloudy, but bright intervals; rather cool
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Moderate N.W. wind, fresh locally, veering north; mainly cloudy, occasional slight rain, bright intervals; cool.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	Moderate N. to N.E. wind; cloudy; occasional showers, bright intervals; cool.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	As 7-14.
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
 = Cold Front on the surface
 = Warm Front above the ground
 = 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 large anticyclone persists to S.W. of the British Isles, and minor troughs of low pressure are moving southwards over Great Britain. There will be occasional slight rain in the East and North, and weather will be mainly cloudy, but with bright intervals. It will be cool generally.

FURTHER OUTLOOK.

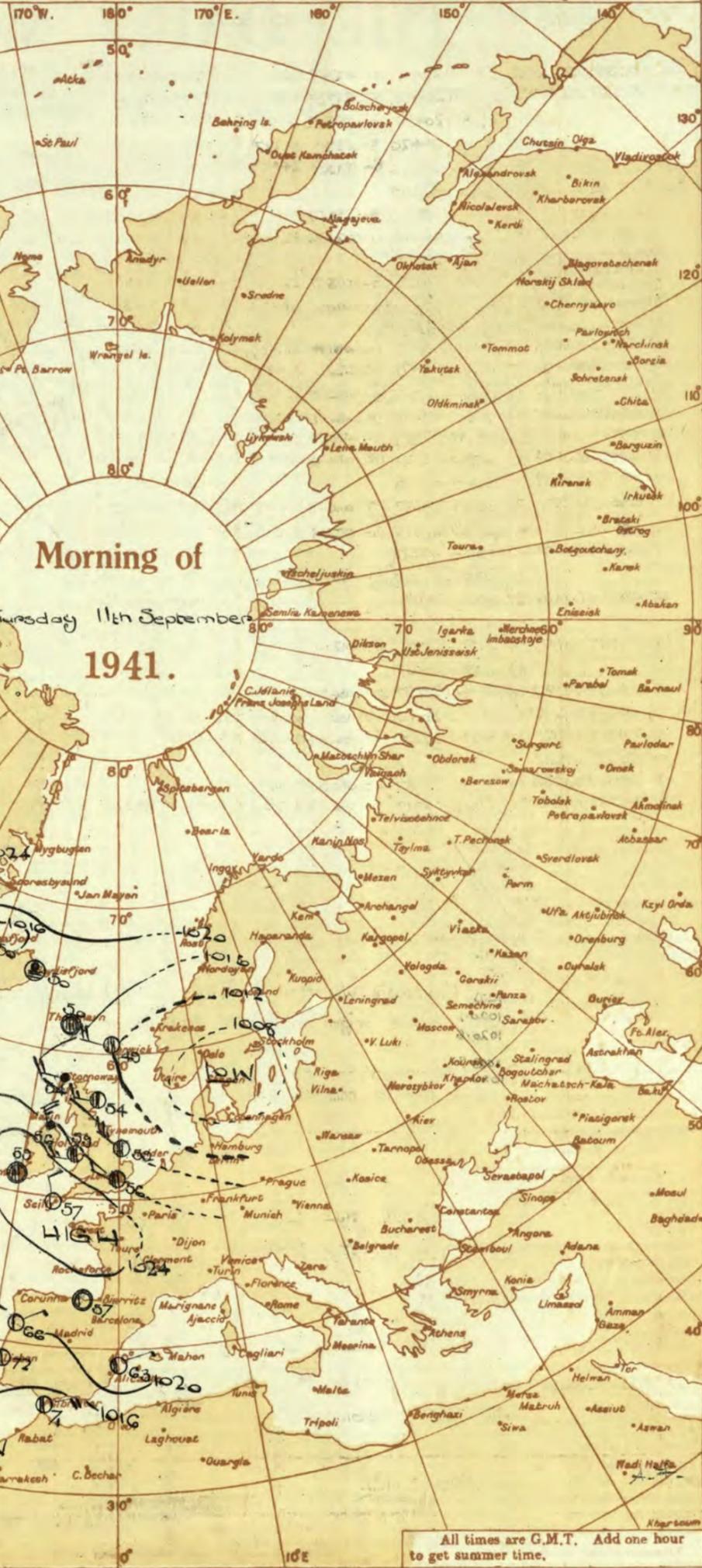
Fair in the Southwest; occasional showers but bright intervals in the North and East; rather cool generally.

Forecasts issued at 1030h G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S. Director.
H.M.S.O. Press, Meteorological Office, Dunstable. 6269/4120. No. 976. D. 8034. 6p. 848. 3300. 5/41

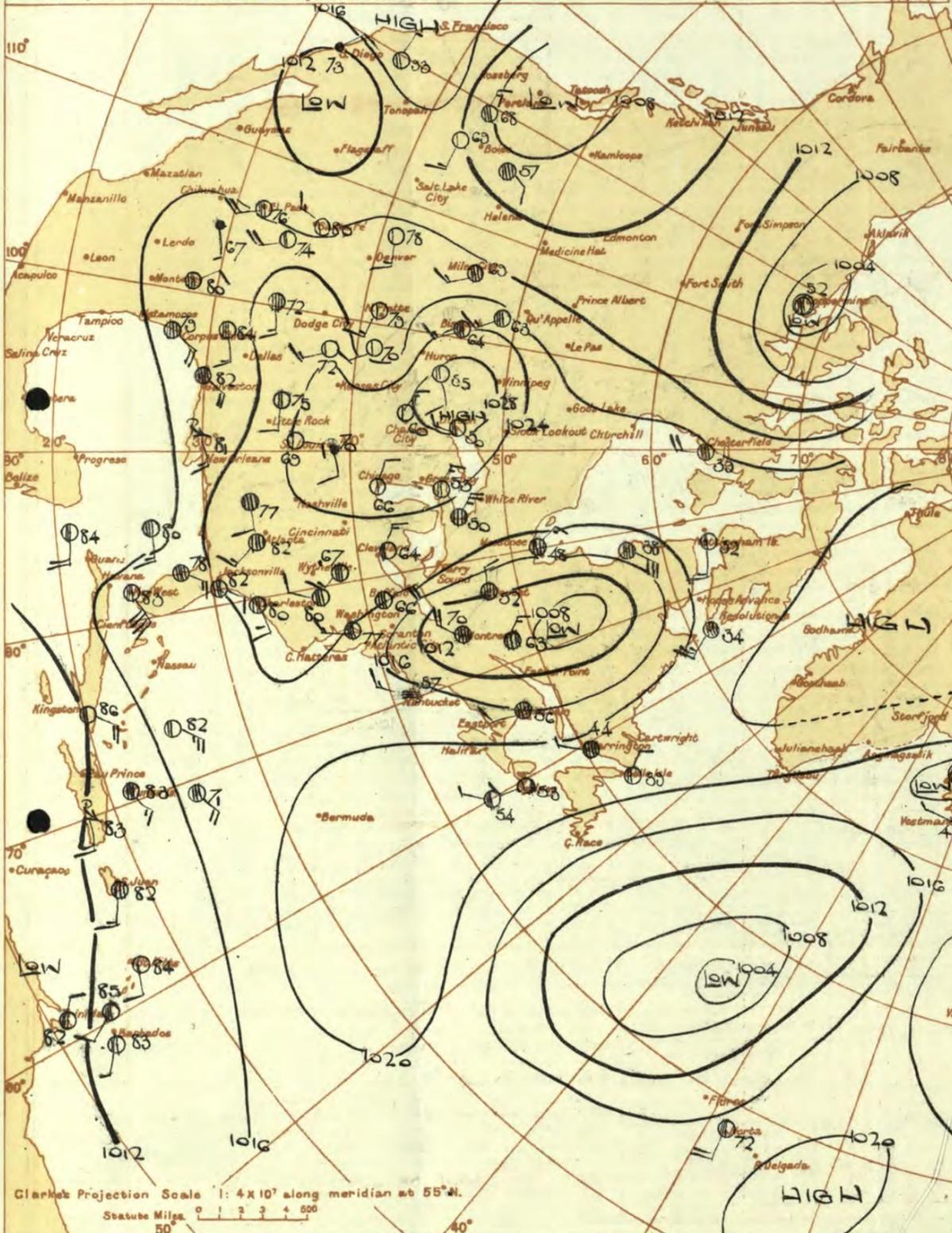
AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

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.



Morning of
 Thursday 11th September
 1941.



Clarke's Projection Scale 1: 4x10⁷ along meridian at 55°N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. * Snow. † Sleet. Δ Hail. Fog. ≡ Mist. ⚡ Thunder. ⚡ 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.

OBSERVATIONS at 13h. G.M.T. 11th September														OBSERVATIONS at 18h. G.M.T. 11th September														PAST 24 HOURS.							
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Temp. °F. (6)	° Humid. (7)	Visibility. (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Temp. °F. (20)	° Humid. (21)	Visibility. (22)	Cloud.					State of Ground. (29)	Sea. (30)	WEATHER.							
				Dir.	Force. 0-12 (3)				Weather. (5)	Form.	Amount. (10)	Height of Base. (feet) (14)	Dir.			Force. 0-12 (13)	Weather. (19)				Form.	Amount. (25)	Height of Base. (feet) (28)	7h.—13h. 11h. (37)	13h.—18h. 11h. (38)			18h. 11th to 12th. (39)	11h.—7h. 12th. (40)						
																														Low.	Med.	High.	Low.	Med.	High.
1	London (Kew)...	1018.1	-4	NW	3	c	65	55	8	8	7	1	7-8	9	2500	1019.7	+12	NW	3	c	62	65	7	7	4	6	4-6	7-8	2500	0	*	bccmcy	cbccyc	bcbb	bccmaw
	Croydon ...	1018.2	-2	WNW	4	c	66	55	8	2	-	6	7-8	9	2000	1019.1	+2	WNW	3	c	61	65	7	2	4	6	2-3	9	2800	1	*	czo	cyc	czob	ccmo
	S. Farnborough	1018.4	-6	NW	3	c	66	65	8	8	7	8	4-6	9	2500	1019.7	+12	NW	3	bc	61	65	8	4	3	2	2-3	4-6	4000	0	*	mocbc	cybc	bcbb	bwc
	Boscombe Down	1019.5	-10	NW	4	c	65	65	7	8	3	8	4-6	7-8	1500	1020.5	+8	NNW	3	c	61	75	8	8	4	-	7-8	7-8	2500	0	*	c	c	c, bc, b	bfg, c
	Thorney Island	1019.0	-6	NW	4	c	68	65	8	2	6	2	7-8	9	4000	1019.7	+8	NNW	3	c	64	65	8	4	7	2	4-6	7-8	4000	0	*	cwc moc	cbc	bc	bc
	Lymington	1017.7	-6	NNW	5	bc	64	55	8	3	6	6	2-3	4-6	2200	1019.0	+12	NW	2	c	56	85	7	4	7	6	1	7-8	4000	0	*	cmcy	bcyc	ebbmemo	cmo
	Manston	1016.9	+2	NW	4	c	62	65	8	3	-	-	9	9	4500	1018.1	+10	NNW	3	c	61	75	6	8	7	2	4-6	9	5000	0	*	cmoc	cmo	bcemc	ccmo
2	Shoeburyness ...	1017.5	0	NW	4	c	63	65	8	5	-	-	9	9	5700	1018.2	+6	WNW	2	c	60	75	7	8	6	2	4-6	7-8	4000	0	*	cmoc	c	bcemc	cmo
	Felixstowe ...	1016.1	+2	WNW	5	c	63	63	8	8	-	-	10	10	3500	1017.3	+10	N'E	4	pr	59	75	8	8	3	-	3	9	2500	1	3	ir, id, c	c, pr, c, pr	cbbmoc	cb, c
	Gorleston ...	1015.8	+4	NNW	4	c	61	75	7	8	-	-	7-8	7-8	1600	1017.6	+10	NNW	3	c	59	75	7	8	3	-	4-6	7-8	3000	0	2	cq, pr, c, q	c, q, bc	bcbb	bc, pr
	Mildenhall ...	1016.5	0	NNW	3	c	60	85	7	8	3	-	7-8	9	2000	1017.9	+4	NW	1	c	59	92	7	5	6	-	7-8	9	2500	0	*	cmobcc	c, pr, c	cir, bc, mo	cid, mo
	Cranwell ...	1016.6	+2	NW	3	c	62	65	7	7	-	-	4-6	9	3000	1018.4	+12	NW	2	pr	58	85	7	3	-	-	9	9	2000	1	*	bc, pr, c	c, pr	c, pr, mo, rr	cm, rr, ir
3	Birmingham	1019.7	+2	NW	4	c	60	65	8	8	-	-	9	9	2500	1020.5	+4	NNW	4	b	57	75	7	1	4	9	Tr	1	2500	1	*	cbcc	cbcc	bcbb	b, c
	Upper Heyford	1018.4	+2	NW	4	c	64	55	9	7	-	-	8	7-8	2500	1019.5	+10	NW	5	bc	57	75	9	4	3	4	2-3	4-6	2500	0	*	cbcy	cbcy, bc	bcbbm	bc, mo
4	Ross-on-Wye ...	1019.4	0	NW	5	bc	64	55	9	7	4	2	2-3	4-6	4000	1021.0	+10	NNW	3	c	60	75	8	5	-	3	7-8	7-8	4000	0	*	cbcy	cbcy	bcbb	bc, mo
5	Hartland Point	1022.6	-2	WNW	3	c	60	92	7	5	6	-	4-6	9	2500	1022.8	+2	WNW	3	bc	60	92	7	2	6	-	2-3	4-6	2000	0	3	c	bc	bc	bcbb
	Bristol ...	1020.3	-8	NW	4	c	65	55	9	1	3	6	2-3	7-8	2500	1021.4	+10	NW	4	bc	60	65	9	8	4	3	2-3	4-6	3000	0	*	cmowc	cbcc	bcbb	bc, mo
	Portland Bill	1021.2	-4	NW	4	c	65	92	7	4	-	-	10	10	2500	1021.1	+4	WNW	3	bc	62	85	8	1	-	-	4-6	4-6	4000	1	3	c	cbcc	b	c
	Plymouth ...	1022.9	-6	NNW	4	c	65	73	8	7	-	-	7-8	9	1500	1023.2	+2	NNW	4	c	63	75	7	5	-	-	7-8	7-8	3000	0	3	cmobcc	c	bcbbm	bc, mo, wof
	The Lizard ...	1024.2	0	NW	4	bc	64	73	6	8	-	-	4-6	4-6	1300	1024.0	+2	NNW	4	bc	62	85	7	8	-	-	2-3	2-3	2500	0	2	bc, mo, z	bc	bcbb	bcw
	Soilly (St. Mary's)	1024.8	-4	NNW	3	c	64	85	6	5	-	-	9	9	1200	1024.8	0	NW	3	b	62	85	6	-	-	-	0	0	-	0	3	c	cbcb	bcbb	bcw
6	Pembroke ...	1023.6	0	NNW	4	c, q	63	85	6	2	6	-	4-6	7-8	2500	1023.4	+2	NW	2	bc	60	75	8	2	6	-	2-3	2-3	3000	0	2	bc, mo, q	cbcc	bcw	bcbb
7	Holyhead (Valley)	1021.2	+6	WNW	5	c	62	65	8	4	2	4	4-6	7-8	3500	1024.6	+4	NW	5	bc	60	85	8	2	6	-	2-3	2-3	3000	0	3	c	bc	bcbb	c, pr
	Chester (Sealand)	1019.8	+6	WNW	5	c	58	75	8	8	-	-	9	9	2000	1020.3	+10	NNW	4	bc	59	75	7	8	3	-	4-6	4-6	2100	0	*	c, pr, q	c, pr, q, bc	bcem	cm, pr, c
8	Manchester ...	1028.6	+2	WNW	5	c, pr	61	75	8	8	6	-	9	9	2000	1019.8	+10	NNW	4	bc	59	85	8	2	3	3	1	4-6	2200	1	*	c, pr	cbcc	bcem, w, cm	cm, pr
10	Spurn Head ...	1015.1	+4	NNE	3	c	59	75	7	8	6	-	4-6	9	4000	1017.8	+10	N	5	c	57	85	7	8	6	2	4-6	7-8	4000	1	3	c, pr	c	c	o
	Catterick ...	1016.6	+6	NW	3	c	63	55	9	5	7	-	4-6	9	2500	1019.2	+12	NE/N	1	z	57	75	6	5	3	1	4-6	9	3000	0	*	bc, cy	c, cy, pr, cm	cm, pr, cm	cir, mo, c
	Tynemouth ...	1016.8	+16	N	5	c	57	85	8	8	4	-	4-6	7-8	3000	1019.2	+20	N	4	c	55	85	8	8	-	-	7-8	7-8	3000	0	3	bc, cy	c	e	c
11	St. Abbs Head	1016.3	+22	N	2	c	56	85	9	5	2	-	2-3	7-8	2500	1018.8	+6	-	0	c	53	85	8	5	4	-	7-8	9	3500	0	2	c	c	c	c
	Leuchars ...	1016.8	+8	E	3	c	61	75	9	8	-	-	7-8	7-8	3100	1019.1	+2	S	2	c	56	75	8	8	7	1	7-8	9	2800	0	*	bc, pr, bc	c, pr, c	c	c
12	Beatrix (Abbots L.)	1017.9	+10	NNW	5	bc	64	65	9	7	-	-	2-3	2-3	2500	1019.2	+10	NNW	4	c	58	75	9	2	7	6	1	7-8	2500	0	*	cbv	bbeyc	cbcc	bc
	Eskailemuir ...	1017.0	+6	NW	4	c	59	65	8	5	-	-	9	9	1300	1018.3	+6	NNW	1	c, pr	59	85	8	5	-	-	7-8	7-8	2500	1	*	c, pr, bc	c, pr, bc	bcem	bc, mo
	Point of Ayre ...	1019.5	+2	NNW	5	bc	61	75	8	2	4	6	2-3	4-6	1600	1020.6	+4	NNW	5	bc	58	85	8	4	3	1	2-3	4-6	2500	0	5	cbcc	bcbb	bc	c
13a	Tiree ...	1020.3	+8	NNW	4	bc	59	85	8	7	-	-	4-6	4-6	2500	1021.8	+6	NNW	3	c	56	85	8	8	3	-	4-6	9	2500	0	4	bc	c	c, pr	c, pr
13b	Stornoway ...	1019.9	+2	N	3	c	58	75	8	5	7	-	7-8	9	3000	1021.0	+6	NW	3	c	55	85	8	8	7	-	7-8	9	2000	1	2	c, pr, c	c	c	c
16	Dalwhinnie ...	1018.0	+10	N	3	c	55	75	8	5	-	-	9	9	2500	1019.5	+10	NNW	2	c, pr	52	85	8	5	-	-	9	9	2500	1	*	c, pr, c	c, pr	c	c, pr
	Aberdeen ...	1017.1	+22	N	4	c	56	75	8	4	-	-	9	9	1900	1019.1	+10	NNW	2	c	53	65	7	4	3	3	7-8	7-8	2500	1	5	c, pr, mc	c	c	c
	Wick ...	1018.4	+14	NW	3	c	53	65	9	5	-	-	7-8	7-8	2000	1019.7	+10	NW	3	c	52	75	9	5	-	-	9	9	3000	1	2	c, d, d, c	c	cbem	cc, d, d
	Sumburgh ...	1016.4	+14	NNW	4	pr	54	75	9	8	-	-	9	9	2100	1017.6	+6	NNW	3	c	51	75	9	5	-	-	9	9	3000	1	*	c, pr, c, pr	pr	c	bc
17	Blacksod Point ...	1024.6	0	NNW	3	id.	58	97	7	6	-	-	10	10	1500																				

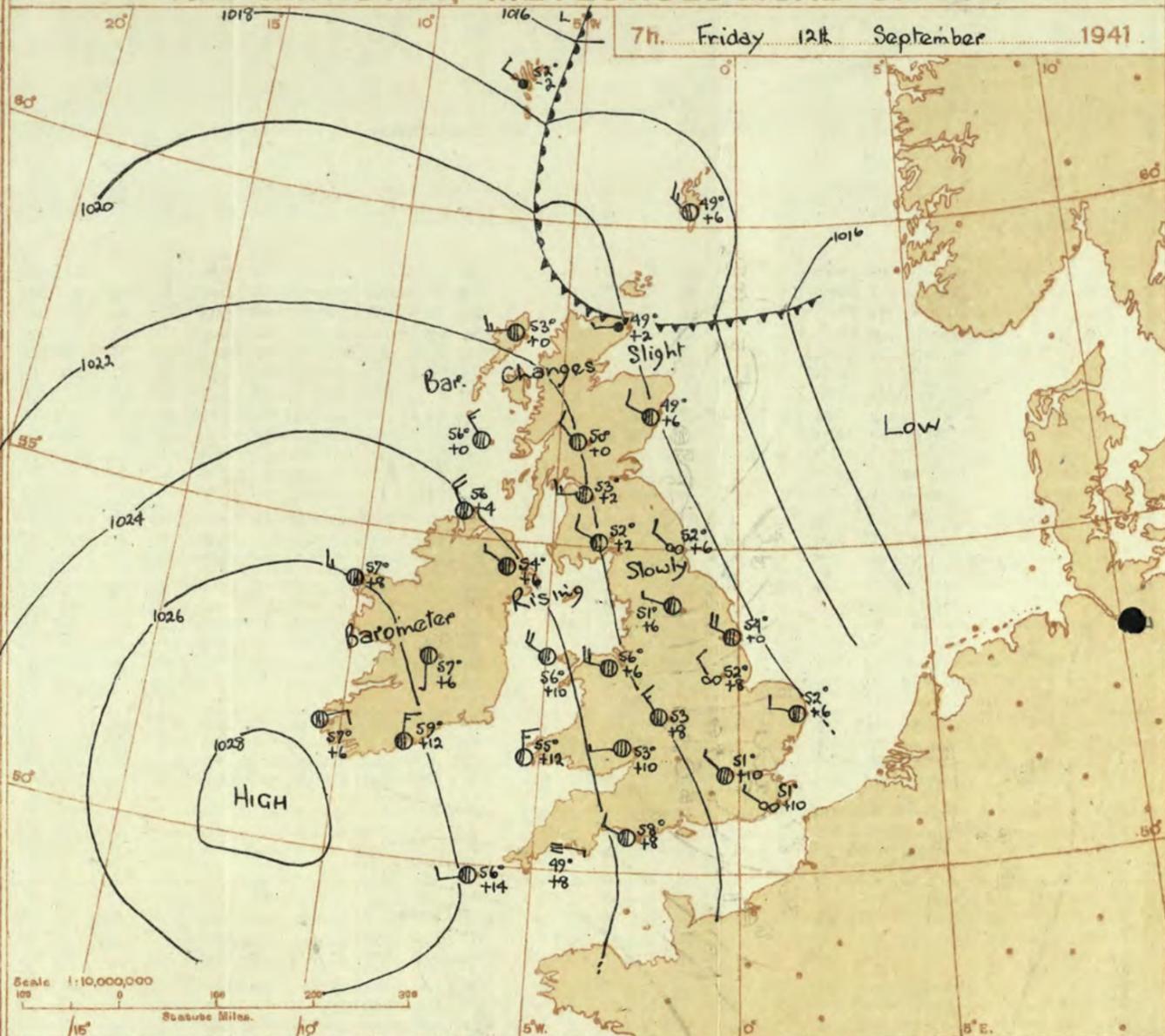
Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 11h. September				18h. G.M.T.				01h. G.M.T. 12h. September				07h. G.M.T.				
III	C _u	ww	Vh _h	DDFWN	C _u	ww	Vh _h	DDFWN	C _u	ww	Vh _h	DDFWN	C _u	ww	Vh _h	DDFWN
105-	02956	31426	5-	61858	29428	5-	02856	26326	5-	51857	27227					
1152	81734	04287	54	02944	32285	52	02844	20227	52	81784	28387					
2038-	02835	32225				5-	02938	24328								
2068-	81646	08388	8-	81748	00088	8-	02957	00087	8-	02856	08086					
2105-	02947	01387	53	02966	31326	5-	02967	30317	5-	51967	21227					
220			87	02846	27317				80	02747	28327					
2308-	02847	24417	82	81947	27388	8-	02847	27287	83	02846	27287					
24596	10965	32486	43	02954	04117	53	02954	32117	57	02976	28227					
2602-	01965	28215	53	02865	06117	54	05663	00083	5-	05667	00027					
2786	02954	28686	84	02866	28427	83	81844	26424	87	02846	27417					
27976	02854	27525	47	01853	28414	44	01854	28225	57	01753	28315					
28523	02855	24617	23	01744	30315				53	02635	32127					
28887	02855	27416	8-	05657	02327	5-	21446	00066	5-	05666	25128					
57553	02957	28327	5-	02847	24057	5-	02757	28128	53	02853	26226					
80126	02854	61585	23	01964	26324	23	01854	30415	23	02843	28486					
32186	81855	27426				52	25655	28188	5-	25658	28128					
29087	01753	26514	83	01753	28413	5-	01754	28314	5-	02756	28426					
2028-	02957	29517	54	01863	01325	5-	05658	28188	5-	05658	28188					
310-	02638	24528								02638	24428					
01426	01753	51425	20	02765	59325	53	05673	20127	5-	05668	31128					
33974	02954	28425				5-	02854	28327	6-	02946	32427					
334			--	03647	26328				--	03647	24228					
3408-	02958	28428	2-	02846	28386	5-	02864	28215	53	51845	28267					
13686	25954	29185	86	02845	31387	87	02853	28316	52	28387	20051					
33613	01762	28414	51	01763	26416				14	01763	32314					
35074	02854	60526	74	01763	26324	53	02663	28216	5-	05658	26228					
36987	02855	29386	44	01843	28314				5-	02857	28317					
37420	02944	61525	43	02954	30415	00	00790	28201	5-	02857	28317					
39054	02866	27427	46	02763	27315	5-	02747	26217	5-	08448	25148					
38927	01864	28425	43	01862	28323	03	00790	28202	5-	02867	30327					
4388-	02748	22528							5-	02647	31327					
430			40	01862	28324	00	00790	28200	51	01872	24113					
40053	05634	27425	53	05626	28327	50	05634	28114	54	00715	02106					

III - Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W - Present and past weather—See M.O. 252.
h, N_h - Height and amount of low cloud—See M.O. 252.
N - Total amount of cloud—See M.O. 252.
C_u, C_m - Form of low and medium cloud—See page 1.
V - Visibility. F - Force of wind—See page 4.
DD - Direction of wind (8 = E, 18 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Friday 12th September 1941



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 12th September 1941

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

Light to moderate N.W. winds; generally fair; considerable bright periods especially in western and southwestern districts; average temperature to rather cool.

Moderate to fresh N.W. winds; mainly cloudy with a few local showers; brighter intervals; cool.

Light west to northwest winds; fair or fine; average temperature

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 off our S.W. coasts is likely to persist with fair weather in practically all districts. There will be some light showers in the extreme Northeast.

FURTHER OUTLOOK.

No important change.

Forecasts issued at N. K. JOHNSON, D.Sc., A.R.C.S. Director.
 H.M.S.O. Press, Meteorological Office Dunstable. 0269/4120 No. 5170. D. 6094. Rp. 348 3500 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.



Morning of
 Friday 12th. September,
 1941.

Clark's Projection Scale 1:4x10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol: ○
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ○ Clear sky. ☁ Sky less than 3/10 clouded. ☁☁ Sky 4/10 to 6/10 clouded. ☁☁☁ Sky 7/10 to 9/10 clouded. ☁☁☁☁ Overcast sky. ☁☁☁☁☁ Rain falling. * Snow. † Sleet. Δ Hail. Fog. ≡ Mist. ⚡ Thunder. (T) Thunderstorm. T Slight haze. ☁
 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. 12th September															OBSERVATIONS at 7 hr. G.M.T. 12th September															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. %.	Visibility.	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %.	Visibility.	Cloud.					Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE 11th Hrs.				
					Dir.	Force.					Form.	Amount.	Height of Base (feet).	Dir.	Force.			Form.	Amount.					Height of Base (feet).	Dir.	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.
1	London (Kew)	18	1020.9	+2	W	1	b	51	92	7	5	3	1	1	2000	1021.8	+10	NW	1	c	51	92	6	5	-	9	9	2500	0	66	51	37	-	-	5.9				
	Croydon	217	1020.9	+2	W	1	b	51	92	7	5	3	1	1	2000	1021.8	+10	NW	1	c	51	92	6	5	-	9	9	3000	0	67	49	46	-	-	5.7				
	S. Farnborough	228	1021.4	-2	WN	2	b	50	92	8	-	-	0	0	-	1023.3	+6	WN	2	c	52	92	7	5	-	9	9	4000	0	68	47	43	-	-	6.3				
	Boscombe Down	417	1022.2	+2	NW	2	b	51	92	7	-	-	0	0	-	1023.3	+6	WN	2	c	52	92	7	5	-	9	9	4000	0	66	47	40	-	-	1.3				
	Thorney Island	10	1020.7	+2	WNW	2	b	52	92	7	-	-	0	0	-	1023.4	+16	WNW	2	b	50	97	5	4	-	1	1	4000	0	65	57	42	-	-	4				
	Lymington	346	1020.3	+2	NW	2	b	54	85	6	5	3	7	7	5000	1021.4	+10	NW	1	z	51	97	5	5	-	10	10	800	0	66	50	46	-	-	3.6				
	Manston	154	1020.0	+4	NW	2	c	55	85	7	1	3	7	7	1000	1021.0	+12	NW	2	z	55	85	6	8	7	-	7	7	800	0	65	53	49	-	-	3.0			
2	Shoeburyness	11	1019.4	+6	WNW	2	c	55	92	7	5	-	-	9	9	6000	1020.4	+10	NNW	2	c	53	85	8	5	-	9	9	3000	0	67	51	43	-	-	2.4			
	Felixstowe	15	1019.4	+6	WNW	2	c	55	92	7	5	-	-	9	9	6000	1020.4	+10	NNW	2	c	53	85	8	5	-	9	9	3000	0	65	51	48	Tr	Tr	3.1			
	Gorleston	5	1019.3	+6	W	1	bc	52	92	7	8	-	-	2.3	2.3	2500	1020.1	+6	NW	2	c/pr	52	85	7	5	-	7	7	2000	0	63	51	47	Tr	Tr	4			
	Mildenhall	19	1020.0	+6	WN	1	z	51	97	6	5	3	-	7	7	4000	1020.7	+6	WN	1	z	52	97	6	5	-	10	10	3000	1	64	51	42	Tr	2	1.4			
	Cranwell	240	1020.2	0	NNE	1	z	53	97	5	5	-	-	9	9	2000	1021.2	+8	NNW	2	z	52	85	6	5	-	10	10	3000	1	63	54	50	0.1	1	2.4			
3	Birmingham	535	1022.1	+10	W	1	z	49	92	6	-	3	-	0	4.6	-	1022.8	+10	NW	3	o/d	53	85	6	6	7	-	7	7	800	1	62	51	46	-	Tr	3.2		
	Upper Heyford	408	1022.1	+10	W	1	z	49	92	6	-	3	-	0	4.6	-	1022.8	+10	NW	3	o/d	53	85	6	6	7	-	7	7	3500	0	65	48	44	-	-	5		
	Ross-on-Wye	223	1022.8	+10	W	1	z	49	92	6	-	3	-	0	4.6	-	1022.8	+10	NW	3	o/d	53	85	6	6	7	-	7	7	4000	0	66	47	-	-	5.5			
5	Hartland Point	299	1023.5	-2	NW	2	bc	59	85	8	1	4	-	Tr	2.3	2500	1024.2	+12	N	3	bc	57	92	8	5	6	-	4	4	1500	0	62	56	54	-	-	4.2		
	Bristol	209	1022.6	0	WSW	2	b	51	92	7	-	-	0	0	-	1023.9	+12	WNW	2	c	54	92	7	5	-	9	9	5000	0	66	48	38	-	-	4				
	Portland Bill	32	1022.2	+4	NW	2	b	57	92	8	-	-	0	0	-	1023.1	+8	NW	2	c	58	92	8	5	-	10	10	4000	0	64	56	-	-	-	6.8				
	Plymouth	82	1024.0	+2	NNW	2	z	54	97	6	5	-	-	4	4	2000	1024.9	+8	N	1	ft	49	97	2	-	-	10	10	4150	0	68	49	45	-	-	6.8			
	The Lizard	240	1024.6	+4	WN	2	bc	56	92	7	4	-	-	2.3	2.3	2500	1024.6	+6	NNW	3	bc	54	97	8	2	-	2	2	2500	1	65	53	-	-	-	10.1			
	Scilly (St. Mary's)	163	1025.1	-2	NNW	3	bc	58	98	6	5	-	-	4	4	2500	1025.9	+14	WSW	2	c	56	97	8	8	4	1	4	7	1500	0	67	56	-	-	-	6.7		
	Guernsey	175	1025.1	-2	NNW	3	bc	58	98	6	5	-	-	4	4	2500	1025.9	+14	WSW	2	c	56	97	8	8	4	1	4	7	1500	0	67	56	-	-	-	6.7		
6	Pembroke	142	1024.1	0	NW	4	bc	58	85	8	1	-	-	2.3	2.3	3000	1025.1	+12	N	3	bc	55	85	8	1	8	-	2	2	3000	0	65	53	-	-	-	4.1		
7	Holyhead (Valley)	26	1022.7	0	NW	4	c	57	85	8	5	-	-	9	9	5000	1023.6	+10	NW	4	c	56	85	9	8	-	9	9	1500	0	64	49	42	-	Tr	2			
	Chester (Sealand)	16	1021.4	0	WNW	3	z	57	85	6	5	3	-	9	9	3100	1021.9	+6	WNW	4	c	56	85	7	5	3	-	7	7	2000	1	63	56	50	0.1	Tr	2.2		
8	Manchester	70	1020.9	0	WN	2	z	54	92	6	5	3	-	7	7	1800	1021.7	+8	WNW	1	z	53	92	6	5	3	-	7	7	6500	1	61	52	47	-	Tr	2.9		
10	Spurn Head	29	1019.6	+4	NW	4	c	54	85	6	5	-	-	7	7	2500	1020.0	0	NW	4	c	54	85	7	5	-	9	9	4000	0	62	52	-	0.6	-	2.9			
	Catterick	175	1020.6	0	N	0	z	53	85	6	5	-	-	10	10	1900	1021.7	+6	WN	1	o/d	51	92	7	5	-	10	10	1000	0	64	51	49	Tr	Tr	3.2			
	Tynemouth	108	1020.8	0	NW	3	z	53	75	7	5	-	-	9	9	2500	1020.2	+6	NW	2	z	52	75	6	8	-	9	9	3200	0	52	52	48	Tr	-	2			
11	St. Abbs Head	280	1019.6	+8	NNW	2	c	53	85	8	5	7	-	7	7	2500	1020.4	-4	N	2	c	51	85	9	5	7	-	9	10	2300	0	60	51	-	Tr	-	2.6		
	Leuchars	36	1020.2	0	-	0	c	53	85	7	5	-	-	9	9	2500	1020.5	+2	-	0	c	52	92	7	5	-	9	9	2800	0	65	51	47	0.4	-	-	7.5		
12	Renfrew (Abbots L.)	19	1021.0	+6	SSW	2	bc	52	92	9	5	7	-	Tr	4.6	3000	1021.6	+2	W	3	c	53	85	8	5	3	2	2	7	3500	0	65	58	41	-	-	1.6		
	Eskdalemuir	794	1021.7	+2	NNW	5	c	56	92	8	9	3	-	4	4	1500	1022.6	+8	NW	2	c	52	85	8	7	3	1	1	7	1500	1	61	46	39	0.2	-	-	6.6	
	Point of Ayre	30	1021.7	+2	NNW	5	c	56	92	8	9	3	-	4	4	1500	1022.6	+8	WNW	4	c	56	92	7	6	3	-	7	7	800	0	61	55	-	-	-	6.6		
13A	Tiree	22	1022.0	+2	NNW	4	c	54	92	7	8	-	-	9	9	1800	1022.2	0	WN	3	c	56	85	8	8	3	-	4	4	2100	0	60	54	-	0.5	0.1	2.6		
13B	Stornoway	80	1021.7	+2	W	1	c	52	92	8	5	7	-	7	7	2000	1021.7	0	NW	3	c	53	92	8	5	4	-	7	7	2500	1	58	52	-	Tr	-	2.9		
15	Dalwhinnie	1176	1021.7	+2	W	1	c	52	92	8	5	7	-	7	7	2000	1021.7	0	NW	3	c	53	92	8	5	4	-	7	7	2500	1	58	52	-	Tr	-	2.9		
16	Aberdeen	79	1020.6	+2	NW	2	c	49	85	8	5	-	-	10	10	3500	1020.6	+2	WNW	2	c	49	85	7	5	7	-	9	9	2900	1	57	45	39	0.4	Tr	1.4		
	Wick	119	1020.4	+2	NW	2	c	49	85	8	5	-	-	10	10	3500	1020.6	+2	WNW	2	c	49	85	7	5	7	-	9	9	2900	1	57	45	39	0.4	Tr	1.4		

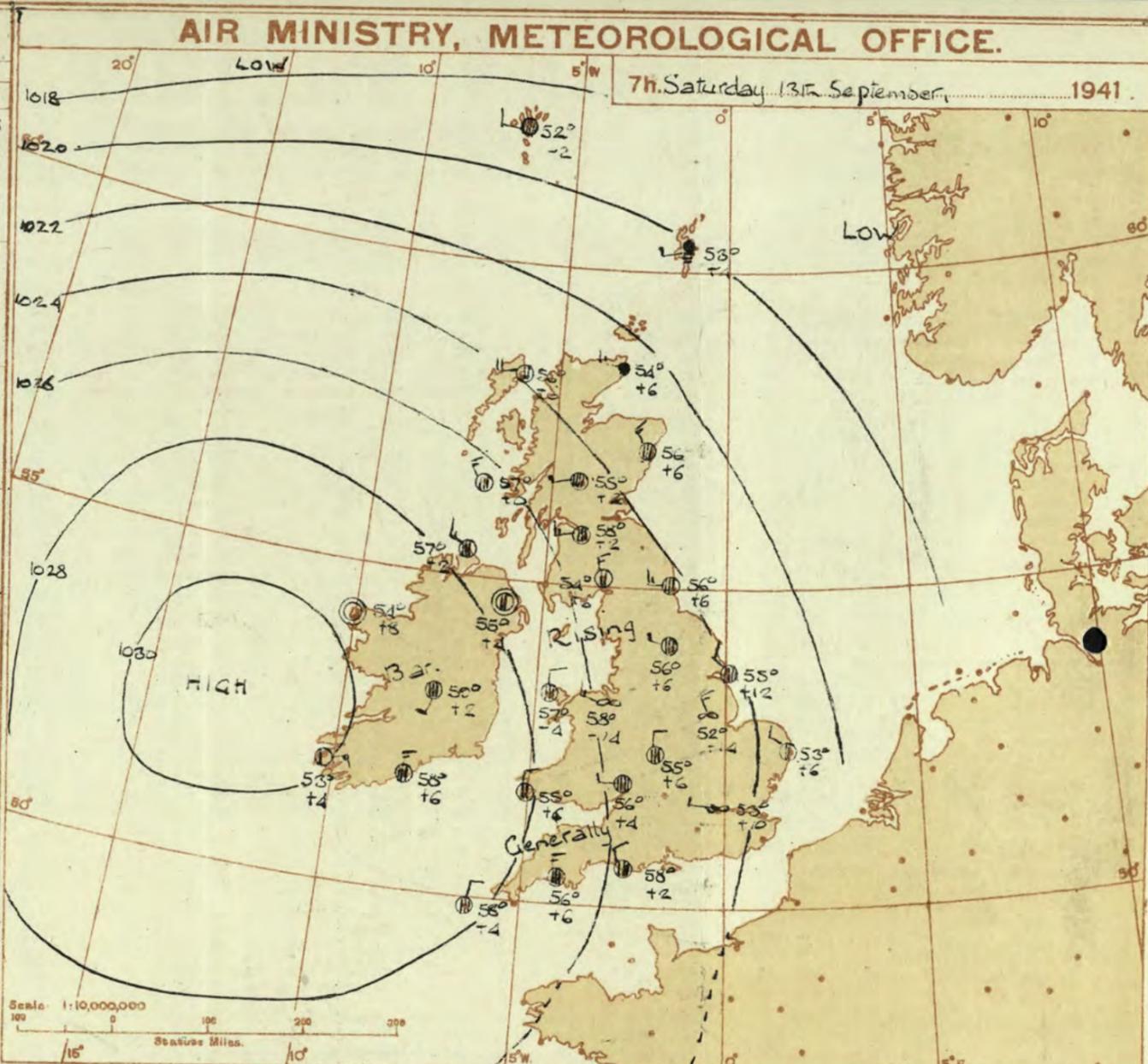
Abridged observations of additional stations in the

AVIATION WEATHER CODE

13h. G.M.T. 12th September 1941				01h. G.M.T. 13th September 1941					
III	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN
109	5-	02057	26327	5-	02846	26386	5-	02748	24368
115	5+	10044	28385	52	81834	24457	-	5700	20389
203									
206	83	02865	26186	83	02965	24225	8-	02967	24487
210	8-	02865	26256	53	02964	22215	5-	02857	23667
220	82	04736	27228	5-	51418	26258		57	02644
230	83	10846	27387	87	02945	27327	83	02864	28227
245	86	25965	28385	86	02855	28227	5-	02757	28227
260	83	02965	26217	73	02965	25216	5-	05668	18128
278	86	01844	27555	87	02846	28427	57	02747	26427
279	83	02865	22316	33	01850	27216	57	02853	00026
285	23	01854	28415	5-	02747	28417		54	01863
288	8-	05558	06128	53	05656	18127	53	05665	28155
575	52	51836	28358	63	02853	28356	5-	02777	28327
801	26	01854	28425	27	02754	28415	2-	81747	28327
321	86	02765	28226	5-	02767	32117	55	05664	27327
299	5-	02767	26427	57	01754	26415	5-	05647	26227
292	7-	02867	28227	73	01664	21114	53	05656	26327
310	-	01645	26415	-	01626	26416	-	-	01644
614	53	05556	12127	4-	05656	32126	50	05574	26114
338	8-	02968	30428	02	02977	26327	5-	02853	26255
334	-	03757	24228						
340	8-	02845	28357	26	00052	29303	5-	51635	24258
136				56	02775	28325	57	05663	26218
336	51	02863	32316	13	01762	28315		04	01890
350	86	05654	32227	4-	05668	00028	5-	05577	22267
368	70	02966	32226	40	01863	30315			
379	13	02854	28325	26	00861	28201	03	01790	28315
390	53	02854	32157	53	01774	28124	53	05665	25126
382				46	01862	30215	03	01790	00014
438	02	02745	30345						
430	86	01864	28314	86	05664	32126	5-	05668	00028
409	50	02956	32326	50	00052	32423	5-	02766	02116

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 13th September 1941
1 S.E. England	
2 E. England ...	
3 E. Midlands ...	Light N.W. wind; fair; variable cloud; rather cool.
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Light or moderate N. wind; cloudy; slight local drizzle; rather cool.
9 N. Midlands ...	
10 N.E. England	As 0-6.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	
13B. N.W. Scotland	Light or moderate West wind; cloudy; local drizzle; average temperature.
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	Light variable wind; fair; local morning fog; average temperature.

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS, F 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 large anticyclone off West Ireland will maintain quiet mainly fair weather but drizzle will occur locally in the N.W. and extreme North

FURTHER OUTLOOK.

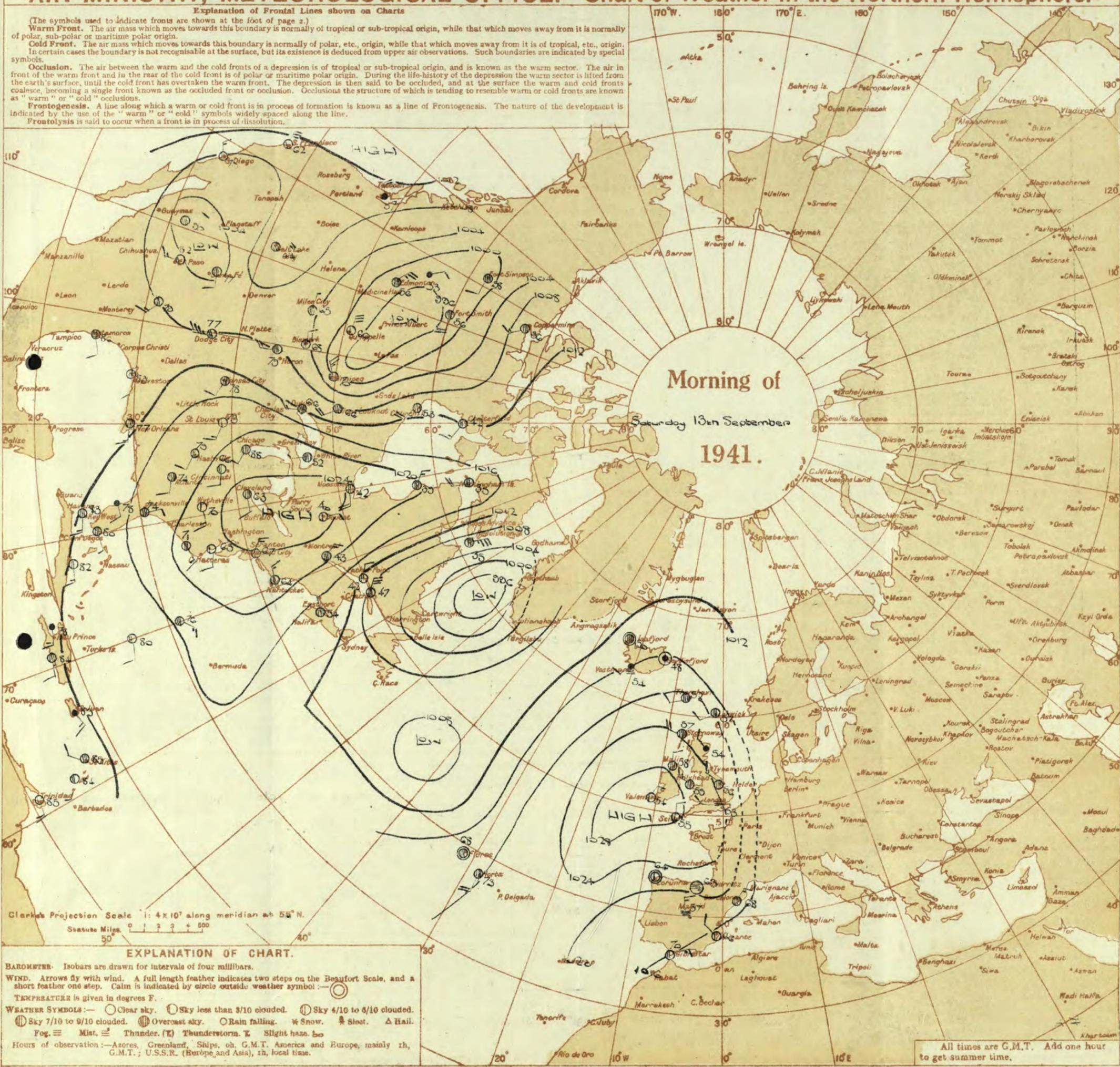
Little change

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



Morning of
 Saturday 13th September
 1941.

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol: ○
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. * Snow. * Sleet. Δ Hail. Fog. ☁ Mist. ☁ Thunder. ☁ Thunderstorm. ☁ Slight haze. ☁
 Hours of observation:—Azores, Greenland, Ships, on 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.

Main table of weather observations for 13th September 1941, including columns for District, Station, Height, Barom., Wind, Temp., Humid., Cloud, and various atmospheric measurements.

LONDON OBSERVATIONS table with columns for Day, Night, Min. on Grass, and other local weather data.

FOREIGN OBSERVATIONS table listing weather data for stations like Reykjavik, Lisbon, Madrid, Cairo, Toronto, and Washington.

EXPLANATION OF FIGURES, LETTERS, etc. section providing definitions for various weather codes and symbols.

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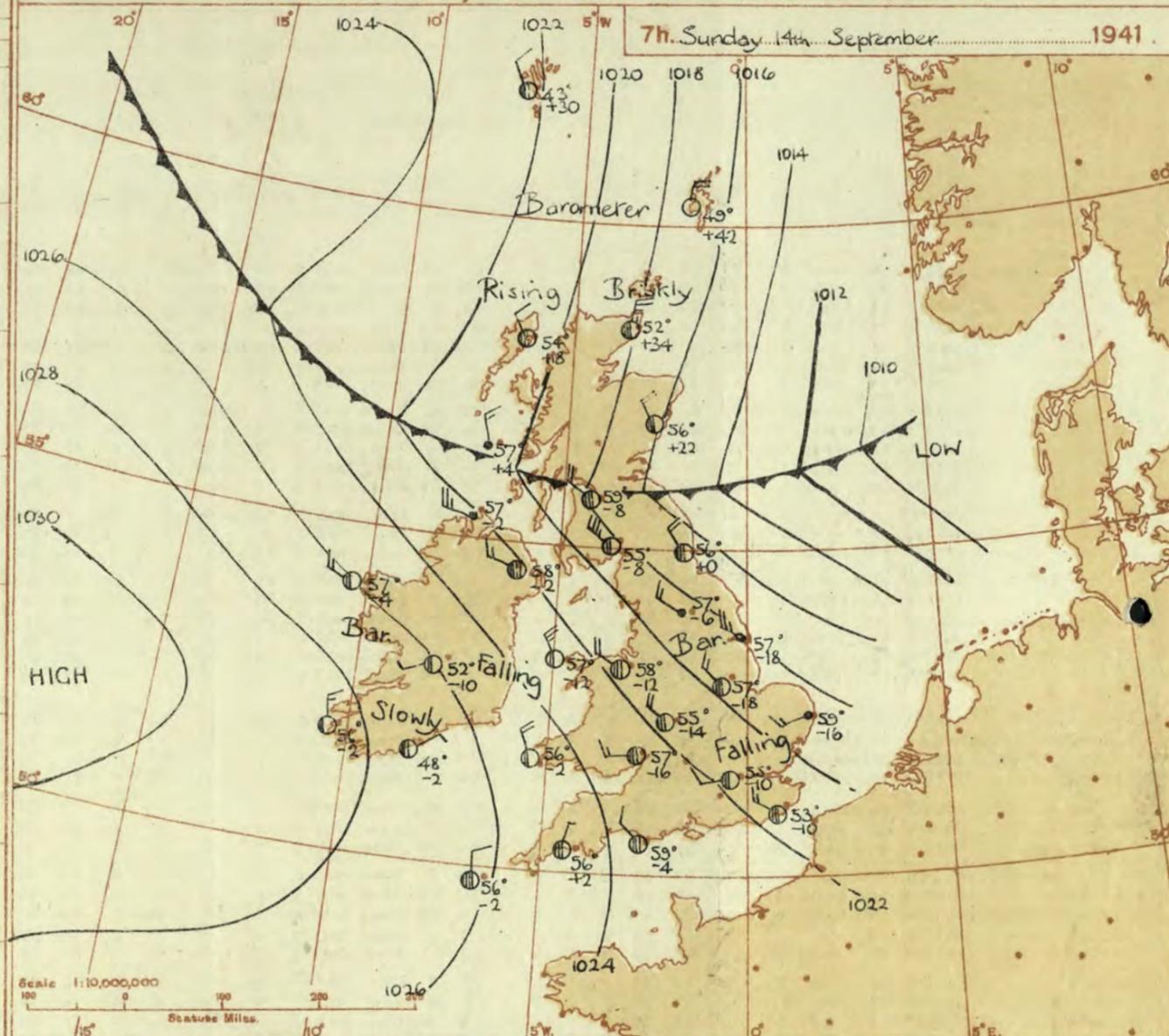
TERMS OF SUBSCRIPTION and METEOROLOGICAL OFFICE, AIR MINISTRY, KINGSWAY, LONDON W.C.2. N. K. JOHNSON, D.Sc., A.R.C.S., Director.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

18h. G.M.T. 13th. September		18h. G.M.T. 14th. September		01h. G.M.T. 14th. September		07h. G.M.T. 14th. September	
III	C ₁ wwVhN ₁ DDFWN	C ₂ wwVhN ₂ DDFWN	C ₃ wwVhN ₃ DDFWN	C ₄ wwVhN ₄ DDFWN	C ₅ wwVhN ₅ DDFWN	C ₆ wwVhN ₆ DDFWN	C ₇ wwVhN ₇ DDFWN
108	5- 51727 24457	5- 63538 56658	6- 22538 25668	5- 02746 02566			
115	-- 57209 22359	-- 67309 22469	-- 67109 20569	52 09838 04368			
203	5- 09738 20428		5- 62738 20558	5- 62738 32368			
206	83 02966 22327	52 22866 24468	52 62846 24468	8- 02956 30266			
210	5- 02958 22327	57 61954 22568	57 63755 56568	5- 02867 28467			
220	51 02645 27218	57 03635 24428		5- 25728 28388			
230	77 02853 25225	77 02855 26327	52 22747 22468	61 02736 24367			
245	73 02965 20127	59 02964 28117	52 02777 57568	53 01943 30365			
260	86 01963 28315	44 02863 22317	5- 05666 20466	50 01763 20163			
278	54 02733 27555	57 02855 28428	5- 02738 26328	5- 21528 26558			
279	80 02956 22126	41 02854 27227	52 05655 24328	57 08655 57328			
285	23 01854 28515	53 02745 28517					
288	5- 02766 03226	5- 02866 06126	51 01663 21328	52 64655 23268			
575	5- 02756 26216	56 02844 28325	53 02746 26427	23 01744 28424			
301	24 01953 28314	5- 02856 28326	5- 02758 28428	5- 51634 27558			
321	7- 02758 28328	5- 02767 00017	54 05671 24328	5- 25748 26488			
290	5- 05547 28357	57 01754 30215	50 01754 20214	5- 64546 24266			
299	4- 02857 32327	57 02965 0126	51 05664 23217	52 62657 26367			
310	-- 03538 32328						
614	5- 05675 28227	57 61565 24218	03 05590 26214	5- 22647 55467			
333	53 01843 30414	74 02976 30327	5- 02775 26125	57 02755 27327			
334	-- 02864 32115	-- 03746 32228					
340		43 01752 30315	5- 05657 24217	5- 02758 26228			
136	77 05655 28388	54 02756 29217	50 08463 20215	62 21256 24368			
335	3 01763 28415	51 22752 24367					
350	32 25655 30287	57 05673 20264		57 02765 22317			
368	20 01854 22414	27 01853 28314					
878	8- 05647 30327	54 05652 30312	50 05651 28314	53 02754 26325			
390	7- 02764 28326	53 05663 26125	03 08490 24113	57 22667 25348			
383	37 02865 32327	43 25765 25187	53 05364 00015	57 02875 24326			
438	8- 02757 32217			5- 03658 25328			
430	26 01764 30215	03 02730 30126	00 05590 00010				
400	04 01990 01324	10 00851 31311	5- 08636 01217	5- 02866 30127			

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C, C₁ = Form of low and medium cloud—See page 1.
V = Visibility. F = Force of wind—See page 4.
DD = Direction of wind (8 = E, 18 = S, 24 = W, 32 = N).

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 14th. September
1 S.E. England	Moderate westerly wind, freshening and veering northwest. Cloudy with occasional rain; showers and bright intervals later. Rather cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light or moderate northwesterly wind. Fair with considerable bright periods. Average temperature.
6 South Wales ...	
7 North Wales ...	As 1-4.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Strong westerly winds, veering northwest or north and moderating. Cloudy with occasional rain. Bright intervals and showers later; cool.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Fresh north to northwest winds, moderating. Cloudy with occasional rain at first, showers and bright intervals later; cool.
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	Fresh westerly winds veering northwest or north and moderating. Cloudy with occasional rain at first; showers and bright intervals later; cool.
16 Orkneys and Shetlands	
17 N. W. Ireland	As 5-6.
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.
An anticyclone is centred to the west of Ireland and a trough of low pressure is moving southwards across the British Isles. There will be occasional rain or showers in most districts, with temperatures below average.

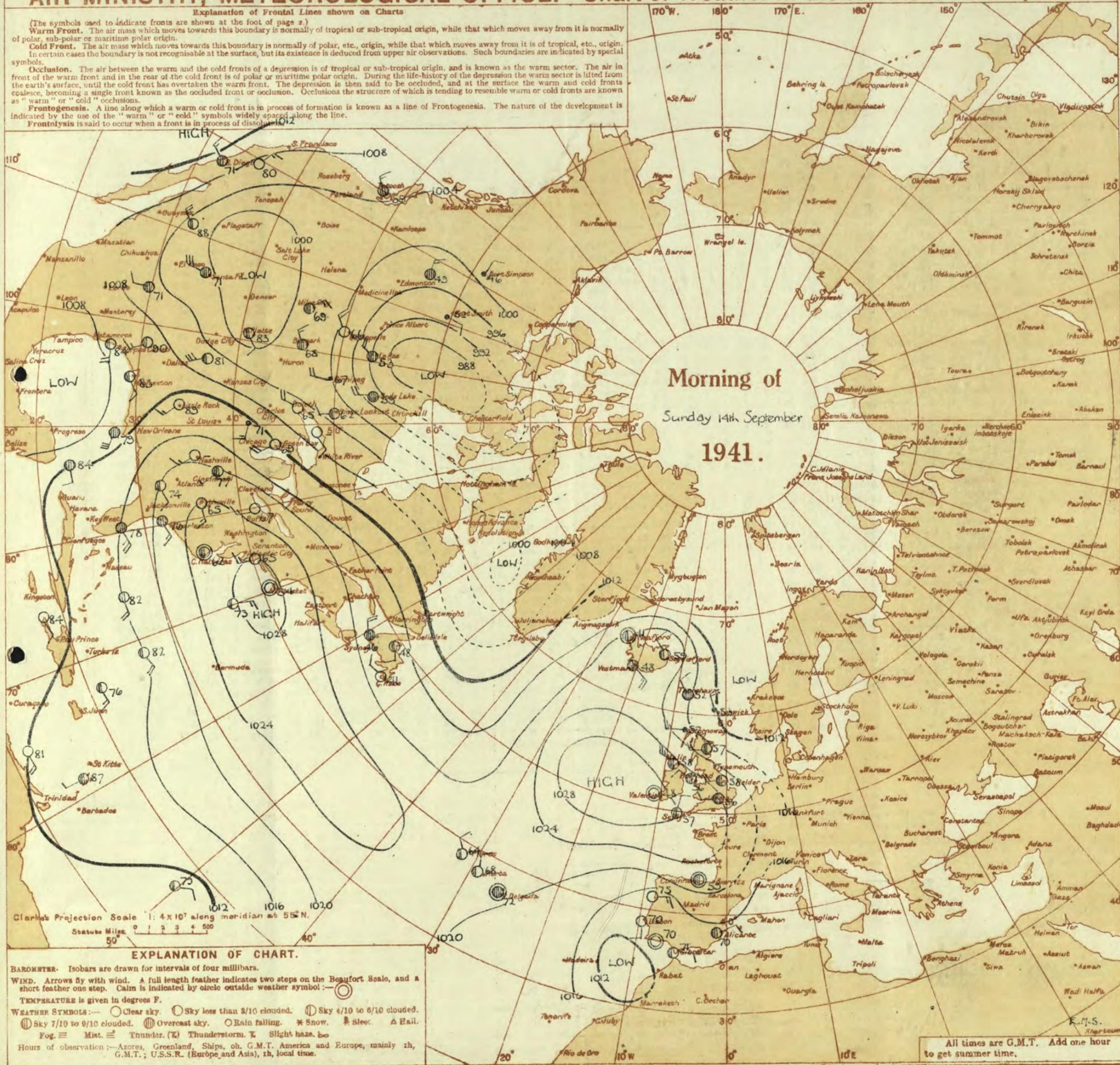
FURTHER OUTLOOK.
Local showers in most districts.

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. 9269/4120. W. 5176. D. 6054. Op. 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.



Clark's Projection Scale 1:4x10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol: ○
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. * Snow. * Sleet. △ Hail. Fog. ≡ Mist. ⚡ Thunder. ⚡ 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.

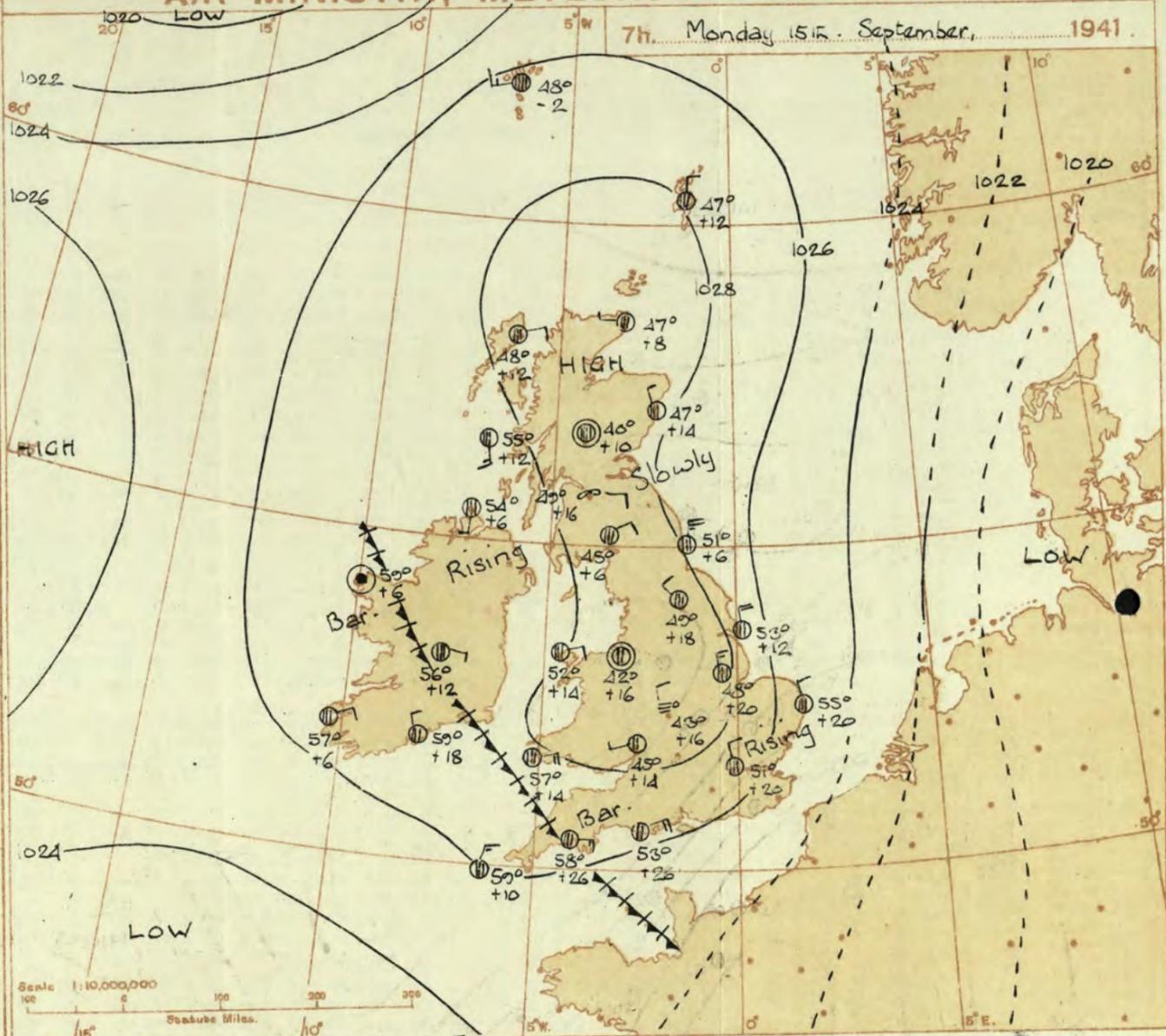
OBSERVATIONS at 1 hr. G.M.T. 14th September															OBSERVATIONS at 7 hr. G.M.T. 14th September															PAST 24 HOURS.					
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			Barom. at M.S.L. (15)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE Hrs.				
					Dir.	Force.					Form.	Amount.	Height of Base (feet).			Form.	Amount.					Height of Base (feet).	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.	
1	London (Kew)	18	1024.0	-1.0	W	2	bc	56	85	7	5	7	1021.2	-1.2	W	2	c/pr	56	85	7	5	7	9	10	4000	0	64	55	44	-	Tr	1.0			
	Croydon	217	1024.0	-1.0	W	2	bc	55	85	7	5	7	1021.6	-1.0	W	2	c	55	85	7	5	7	4.6	10	5000	0	65	53	50	-	-	1.1			
	S. Farnborough	228	1024.7	-1.6	W	3	bc	53	97	5	5	7	1021.6	-1.4	W	3	c	56	85	7	5	3	9	9	4000	0	66	52	44	-	-	3.1			
	Boscombe Down	417	1025.5	-1.6	NW	2	bc	52	97	3	5	7	1022.9	-1.0	WN	3	c	56	92	7	5	3	9	9	4000	0	66	51	41	-	-	6.1			
	Thorney Island	10	1024.7	-1.6	NW	2	bc	52	92	5	5	7	1022.6	-1.0	WNW	3	Zo	56	92	6	5	7	7.8	9	5700	0	68	52	43	-	-	4.8			
	Lympe	346	1023.6	-1.4	W	3	bc	48	97	4	5	7	1021.2	-1.0	WNW	3	Zo	53	97	5	5	5	9	9	2500	0	63	45	41	-	-	4.8			
	Manston	154	1022.8	-1.4	W	3	bc	54	92	6	5	7	1019.8	-1.4	WN	2	Zo	56	85	6	5	7	0	9	9	0	62	53	47	-	-	2.9			
2	Shoeburyness	11	1022.1	-1.4	NW	2	bc	57	92	6	5	7	1020.3	-1.2	W	3	rr	56	92	6	6	2	9	10	1500	1	65	53	43	-	Tr	4.3			
	Felixstowe	15	1022.1	-1.4	NW	2	bc	57	92	6	5	7	1019.9	-1.4	W	4	rr	56	92	6	5	2	4.6	10	4000	1	63	55	52	Tr	Tr	2.9			
	Gorleston	5	1022.2	-1.4	W	2	bc	55	97	6	5	7	1019.6	-1.6	WSW	3	rr	59	85	6	6	-	10	10	1500	1	61	54	53	0.1	0.2	0.8			
	Mildenhall	19	1022.4	-1.4	SW	1	bc	53	97	4	5	7	1018.8	-1.8	WSW	3	rr	55	92	6	6	-	10	10	1500	1	63	52	44	Tr	0.2	0.8			
	Cranwell	240	1022.3	-1.4	W	3	bc	54	92	5	5	7	1018.5	-1.8	NW	3	Zo	57	85	6	5	7	7.8	9	1300	0	64	53	52	-	-	0.4			
3	Birmingham	535	1024.5	-1.8	NW	2	bc	53	92	6	5	7	1021.0	-1.4	NW	4	c	55	85	8	5	7	4.6	9	1500	1	64	55	50	-	-	2.4			
	Upper Heyford	408	1024.5	-1.8	NW	2	bc	53	92	6	5	7	1021.0	-1.4	WNW	3	c	55	92	7	5	5	9	4.6	9	5000	1	64	52	49	1	-	0.8		
	Ross-on-Wyo	223	1024.5	-1.8	NW	2	bc	53	92	6	5	7	1022.4	-1.6	W	3	c	57	85	7	5	5	8	7.8	7.8	4000	0	66	53	49	-	-	1.2		
5	Hartland Point	299	1026.2	-1.4	NNE	2	bc	59	85	8	5	4	1024.8	-1.4	NNE	4	c	59	85	8	4	-	5	2.3	9	3000	0	61	58	54	-	-	10.0		
	Bristol	209	1025.5	-1.6	W	4	bc	58	85	6	5	7	1023.2	-1.0	W	4	c	56	92	7	-	4	6	0	7.8	-	0	67	55	49	0.1	-	1.0		
	Portland Bill	32	1025.1	-1.0	N	2	bc	61	92	8	5	7	1023.1	-1.4	NW	2	c	59	92	8	5	7	7.8	10	4000	0	65	58	50	-	-	0.8			
	Plymouth	82	1026.3	-1.6	W	4	bc	54	92	7	5	7	1025.5	-1.2	NNE	1	Zo	56	92	7	5	7	8	2.3	7.8	4000	0	69	53	49	-	-	7.4		
	The Lizard	240	1026.9	-1.6	NW	3	bc	52	97	8	4	7	1025.5	-1.4	N	2	bc	55	97	8	4	-	4.6	4.6	2500	1	68	51	51	-	-	7.4			
	Scilly (St. Mary's)	183	1027.8	-1.2	NNE	2	bc	57	92	8	5	7	1026.5	-1.2	N	2	c	56	97	8	5	4	7	2.3	9	1800	0	65	54	50	-	Tr	8.1		
	Guernsey	175	1027.8	-1.2	NNE	2	bc	57	92	8	5	7	1026.5	-1.2	N	2	c	56	97	8	5	4	7	2.3	9	1800	0	65	54	50	-	Tr	8.1		
6	Pembroke	142	1026.7	-1.8	WNW	1	bc	59	85	7	8	6	1025.2	-1.2	WNW	4	bc	56	92	7	8	3	5	2.3	4.6	2500	0	63	55	50	-	-	10.4		
7	Holyhead (Valley)	26	1025.0	-1.2	WNW	2	bc	56	92	8	-	4	1022.7	-1.2	NW	5	bc	57	85	7	5	4	9	2.3	4.6	2000	0	64	55	50	-	-	0.8		
	Chester (Sealand)	16	1024.0	-1.8	WNW	3	bc	58	85	6	5	7	1021.3	-1.2	WNW	4	cg	58	85	6	5	-	-	10	10	1500	0	65	56	51	-	-	3.4		
	Manchester	70	1023.3	-1.6	WN	1	bc	57	92	6	5	7	1020.4	-1.2	WNW	4	cg	57	92	6	5	-	-	10	10	1500	0	67	54	50	-	Tr	2.1		
10	Spurn Head	29	1020.9	-1.2	W	4	bc	58	85	6	5	7	1017.4	-1.8	WNW	5	rr	57	85	6	5	2	4.6	9	2500	1	60	56	50	-	-	0.5			
	Catterick	175	1020.7	-2.0	WSW	1	bc	56	85	6	5	7	1017.8	-1.6	WNW	3	rr	57	85	7	5	7	7.8	10	3500	1	67	56	49	-	-	2.7			
	Tynemouth	108	1020.3	-2.0	NW	3	bc	57	85	6	5	7	1017.4	0	NW	4	c/pr	56	97	6	5	-	-	9	9	1600	1	62	56	54	-	-	0.8		
11	St. Abbs Head	280	1016.9	-2.8	W	5	c/pr	57	85	7	8	4	1015.6	+0.8	W	6	c	58	85	8	5	4	1	4.6	7.8	2500	1	65	50	50	-	-	0.8		
	Leuchars	36	1017.3	-2.4	WSW	4	c	56	85	8	5	7	1016.3	+1.0	W	2	bc	59	75	9	8	4	-	2.3	2.3	3500	1	69	56	52	-	-	3.6		
	Renfrew (Abbots L.)	19	1020.6	-2.2	WSW	4	c	58	85	7	5	7	1018.6	-0.8	WNW	4	c	59	85	8	5	3	-	4.6	7.8	1600	0	68	56	53	-	Tr	5.8		
	Eskdalemuir	794	1023.4	-1.2	NW	5	c	58	85	7	5	7	1016.8	-0.8	WNW	7	bc	55	92	7	6	4	-	2.3	4.6	1500	0	63	53	53	-	Tr	1.8		
	Point of Ayre	30	1023.4	-1.2	NW	5	c	58	85	7	5	7	1021.4	-1.6	WNW	4	c	58	85	7	6	2	-	7.8	10	1500	0	66	56	50	-	-	2.8		
13A	Tiree	22	1021.7	-2.0	WNW	4	bc	58	92	7	5	7	1020.7	+0.4	NNW	3	cg	57	97	5	5	-	-	10	10	500	1	60	52	50	-	-	0.8		
13B	Stornoway	80	1018.0	-1.0	W	5	rr	56	97	6	5	2	1020.2	+1.8	NW	2	c	54	97	7	5	7	-	7.8	10	1500	1	59	54	50	0.1	0.5	0.0		
15	Dalwhinnie	1178	1018.0	-1.0	W	5	rr	56	97	6	5	2	1019.6	0	WNW	1	id	54	92	7	5	-	-	9	9	1500	1	60	52	49	-	-	0.0		
	Aberdeen	79	1014.0	-2.2	WN	5	rr	56	97	5	2	-	1016.1	+2.2	NNW	4	c/pr	56	92	6	5	-	-	9	9	700	1	67	56	53	-	-	1.8		
	Wick	119	1014.0	-2.2	WN	5	rr	56	97	5	2	-	1018.2	+2.4	NNE	5	c	52	97	7	5	-	-	4.6	9	400	1	59	52	51	0.5	4	0.8		
	Sumburgh	30	1015.7	-2	WNW	5	bc	53	97	6	5	-	1017.1	+4.2	NNE	4	c	49	75	8	5	3	-	7.8	9	1500	1	57	48	45	3	11	0.8		
17	Blacksod Point	18	1027.9	-1.6	W	3	bc	55	97	7	-	-	1026.2	-1.4	WN	3	bc	57	97	7	2	6	-	2.3	4.6	4000	0	63	53	50	-	-	0.8		
18	Malin Head	84	1024.2	-1.0	WNW	5	c	58	85	6	9	-	1022.6	-1.2	WN	5	DR	57	97	5	3	-	-	9	9	450	0	61	54	50	-	-	1.4		
	Aldergrove	268	1025.0	-1.4	W	3	c/d	57	85	7	8	-	1023.2	-1.2	WNW	3	c	58	85	7	5	-	-	10	10</										

Abridged observations of additional stations in the
AVIATION WEATHER CODE

1st. G.M.T. 1st. Sept.				1st. G.M.T. 1st. Sept.				01h. G.M.T. 15th. Sept.				07h. G.M.T.			
III	C ₁	wwVhN _h	DDFWN	C ₁	wwVhN _h	DDFWN	C ₁	wwVhN _h	DDFWN	C ₁	wwVhN _h	DDFWN	C ₁	wwVhN _h	DDFWN
109	5	03868	31528	5	02867	27427	5	03868	28328	5	03968	00028			
115	73	02844	04387	52	02844	04327	52	02844	04127	52	02944	12227			
203	8	01953	32415	5	01943	32423	5	02952	04312	5	02945	04325			
206	8	02856	03236	7	02865	04385	5	02955	32125	5	02967	32127			
210	5	02857	02457	5	02967	02327	5	02868	02228	5	02967	26127			
220	57	01845	06416	53	01845	064205				50	01844	03104			
230	14	02953	27313	7	02956	32216	5	02858	00028	5	02858	01128			
245	3	02956	65816	5	02955	01415	50	01965	22215	5	02957	22217			
260	8	02857	06227	5	02865	07315	5	02798	08218	53	02856	03127			
278	5	02837	27557	8	02865	28415	5	02848	10358	5	02868	12328			
279	7	02836	28326	53	02965	06425	50	00961	04611	53	02765	09116			
285										5	02747	02127			
288	8	02856	32486	5	02855	01425	5	05558	31888						
575	5	02703	28458	51	02847	30228	5	02748	32158						
801	5	021625	28558	7	81067	29327	53	05663	08113						
321	52	01657	26428	5	02747	32467	53	02764	31226	5	05657	31327			
290	5	02747	30527	8	02746	30616				5	02847	30427			
292	5	02845	34587	7	01854	31324	5	02757	28217	5	02758	26228			
310															
614	62	02645	59427	4	02765	32425	5	05665	02325	5	05567	30127			
334	57	02756	26557	5	52628	28338	00	00790	02100	5	05667	00027			
334										--	02645	32116			
340	5	01648	28358				53	01754	04215	00	04790	00004			
186	62	01636	28368	86	81846	32567	5	02966	32486	5	02967	32327			
336										54	01752	08314			
350	5	08645	26468	52	62643	33368				5	05667	28227			
368				5	02858	30328				03	02790	07326			
879				62	21647	28458	60	05653	32353	50	01755	22215			
390	52	05647	26468	53	52635	30358	5	05667	32227	5	02767	28327			
382	52	02856	27328	5	02757	28227	50	01653	02213	5	02866	28226			
438	8	02748	24228							8	02757	32327			
430	5	02868	26428	5	02748	30328	51	02798	02428	5	02877	02217			
409	10	02740	30426	54	01843	29324	53	05645	32218	57	51746	05157			

III - Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W - Present and past weather—See M.O. 252.
h, N_h - Height and amount of low cloud—See M.O. 252.
N - Total amount of cloud—See M.O. 252.
C₁, C₂ - 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 15th September 1941

1 S.E. England	Moderate to light N. or N.E. to variable winds. Mainly cloudy at first, some bright intervals later; rather cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Light variable winds; fair with some bright intervals; rather cool.
9 N. Midlands ...	
10 N.E. England,	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Light variable winds; cloudy with some slight local rain at first; bright intervals later; rather cool.
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	As 11-16.
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	As 17.
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 high and is rising generally over the British Isles. Apart from some slight local rain at first in Ireland, weather will be fair, with much cloud generally at first, but some bright intervals later. It will be rather cool.

FURTHER OUTLOOK.

Continuing mainly fair.

Forecasts issued at 1030 G.M.T.

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

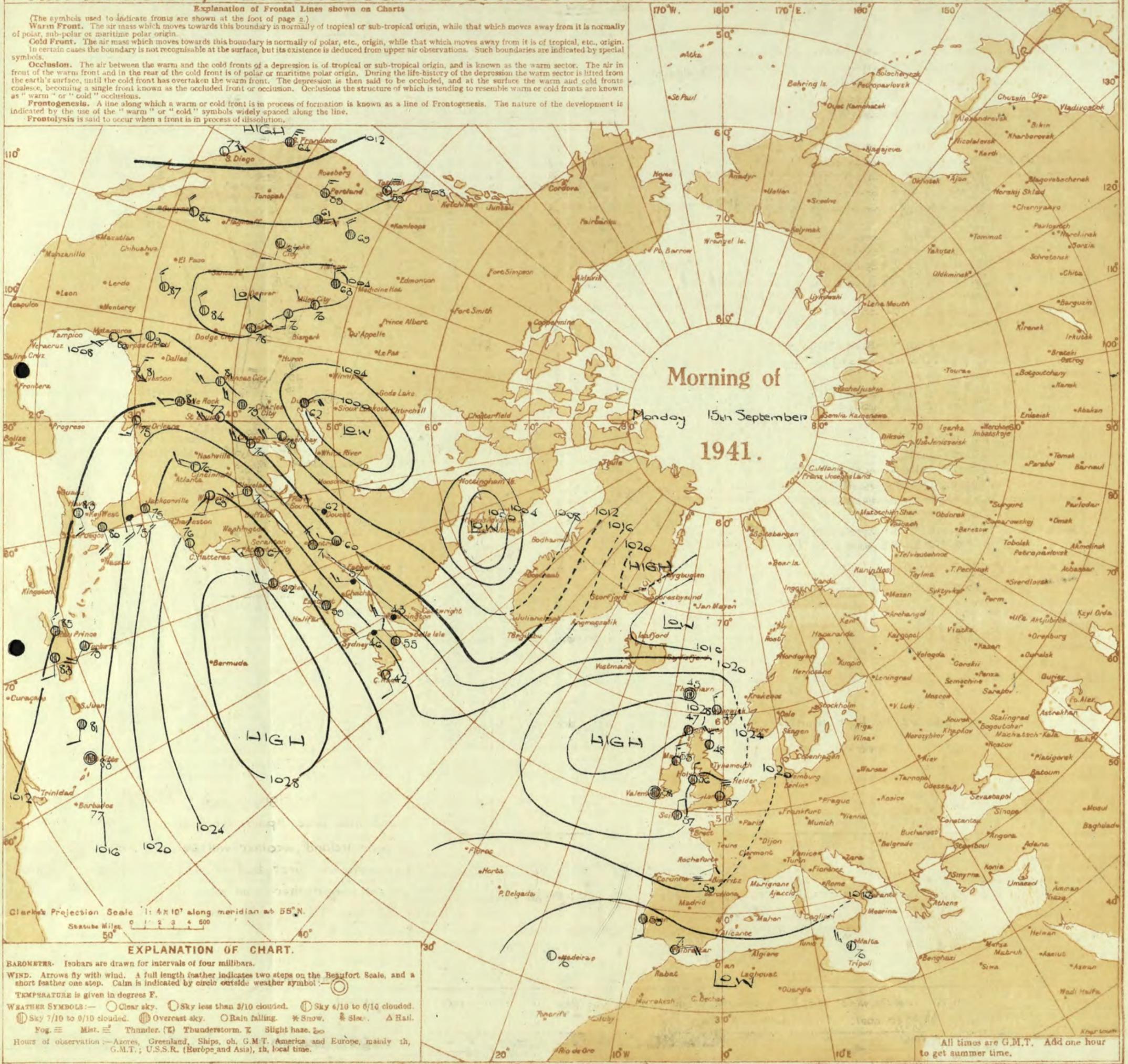
H.M.S.O. Press, Meteorological Office, Dunstable.

0209/4120. No. 9170. D. 8024. 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.



Clarke's Projection Scale 1: 4 x 10⁷ 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. Δ Hail.
 Fog ≡ Mist ≡ Thunder. (T) Thunderstorm. T Slight haze. ☁
 Hours of observation: Azores, Greenland, Ships, etc., 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.

Main table with columns for Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes sub-columns for Wind, Cloud, Temperature, Humidity, and Rainfall.

LONDON OBSERVATIONS table with columns for Weather, Temperature, Rainfall, Sunshine, and Humidity.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed instructions for interpreting the data in columns 2, 16, 22, and 30.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed instructions for interpreting the data in columns 2, 16, 22, and 30.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

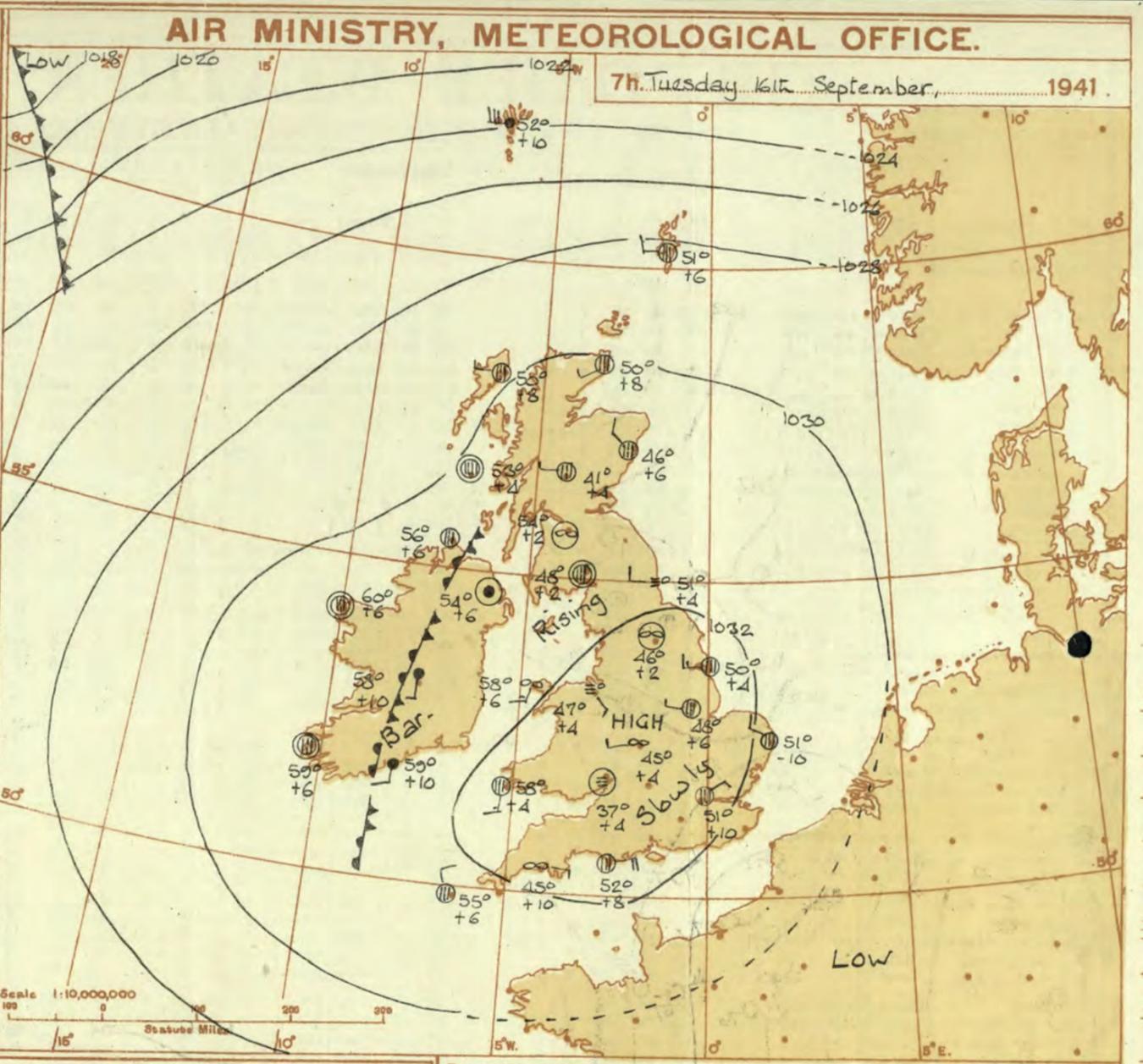
SECRET
BRITISH SECTION
Tuesday 16th September 1941.
No. 29153.

OBSERVATIONS at 13h. G.M.T. 15th September.														OBSERVATIONS at 18h. G.M.T. 15th September.														PAST 24 HOURS.								
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				Sea. 0-9 (30)	WEATHER.											
				Dirac. 0-12 (3)	Force. (4)				Weather. (5)	Form.	Amount. Low Total 0-10 0-10 (12) (13)	Height of Base. (feet) (14)			Dirac. 0-12 (17)	Force. (18)				Weather. (19)	Form.	Amount. Low Total 0-10 0-10 (25) (26)	Height of Base. (feet) (28)		State of ground. 0-9 (29)	7h.-13h. 15th (37)	13h.-18h. 15th (38)	18h. 15th to 1h. 16th (39)	1h.-7h. 16th (40)							
																														Low.	Med.	High.	Low.	Med.	High.	
1	London (Kew)...	1029.6	+6	NE	2	c	56	55	7	5	1	-	9	10	1500	1030.2	+6	N	2	Zo	56	55	6	5	-	-	9	9	2500	0	*	czo	czo	czo	czo	
	Croydon ...	1029.0	+6	NE	2	c	56	65	7	5	-	-	10	10	2500	1029.6	+6	N'E	2	Zo	54	65	5	5	-	-	9	9	3000	0	*	cmo	czo	cmo	cmo	
	S. Farnborough	1029.5	+6	NE	2	c	56	65	7	5	-	-	9	9	3500	1030.2	+8	NNE	1	C	57	65	7	5	3	-	4	9	4000	0	*	c	c	cmo	bcno	
	Boscombe Down	1029.4	+4	NE	3	bc	58	55	8	4	-	-	4	6	4000	1030.2	+8	ENE	2	bc	54	65	7	5	4	-	4	6	4000	0	*	bcy	bc	bzo	bmo	
	Thorney Island	1029.0	+6	NE	3	bc	59	55	7	5	-	-	4	6	4000	1029.6	+6	N	2	Zo	55	75	6	5	7	-	2	3	4000	0	*	cybcy	bc	bmo	bmo	
	Lympe	1028.2	+10	N	3	c	57	65	7	5	-	-	9	9	3000	1029.5	+10	-	0	C	54	75	8	5	-	-	9	9	4500	0	*	cz	c	cmo	c	
	Manston	1028.5	+10	N'E	2	c	58	65	8	7	-	-	4	6	3000	1029.6	+6	N'E	2	C	55	75	8	5	-	-	9	9	3500	0	*	c	c	cmo	c	
2	Shoeburyness ...	1028.7	+8	NE	2	c	58	65	8	5	-	-	9	9	4000	1030.1	+10	N	1	C	56	75	8	5	-	-	9	9	4000	0	*	c	c	cmo	c	
	Felixstowe ...	1028.0	+10	N	3	c	57	65	8	5	-	-	9	9	4000	1029.6	+10	N	2	c	55	65	7	5	-	-	9	9	4000	1	2	c	c	c	c	
	Gorleston ...	1028.2	+10	NW	3	c	57	65	7	5	-	-	9	9	2300	1029.4	+6	N	3	C	55	65	7	5	-	-	10	10	2000	0	4	c	c	CZOC	CZOC	
	Mildenhall ...	1029.2	+8	N'W	2	c	57	65	8	7	-	-	9	9	3000	1030.2	+8	N	2	c	54	85	8	5	-	-	10	10	3000	0	*	cwc	c	cbcc	c	
	Cranwell ...	1029.7	+6	NNE	3	c	55	75	8	5	-	-	9	9	2200	1030.7	+6	NE	1	c	53	75	8	5	-	-	9	9	3500	0	*	c	c	bc	bmo	
3	Birmingham	1030.1	+2	ENE	2	bc	57	55	6	7	-	-	4	6	4000	1030.5	0	E	2	Zo	54	55	5	-	-	0	0	-	0	0	*	bc	bc	b	bc	
	Upper Heyford	1029.8	+4	NNE	2	c	55	65	8	5	-	-	9	9	3200	1030.6	+8	ENE	2	c	53	75	8	5	-	-	6	7	4000	0	*	cmo	c	bc	bc	
4	Ross-on-Wye ...	1029.5	0	NE	3	bc	57	65	8	1	-	-	2	3	4000	1029.8	+4	E	1	b	55	75	7	-	-	0	0	-	0	0	*	bc	bc	bc	bc	
5	Hartland Point	1028.4	+8	ENE	2	bc	60	75	8	1	4	1	2	3	2500	1029.7	+2	NE	3	bc	60	75	7	1	4	5	1	2	3000	0	3	cbc	bc	bc	bc	
	Bristol ...	1029.7	0	E'N	2	bc	60	55	8	1	-	2	1	4	3000	1030.1	+8	E	2	bc	58	65	7	-	2	0	2	3	-	0	*	b	bc	bc	bc	
	Portland Bill ...	1028.7	+8	E	4	c	58	65	8	2	-	-	7	8	4000	1029.0	+6	E	4	c	56	75	8	7	-	-	4	6	4000	0	3	bc	bc	bc	bc	
	Plymouth ...	1029.0	+6	E'N	4	bc	62	65	8	1	-	6	4	6	3500	1029.9	+10	SE	2	bc	57	75	8	5	-	2	1	2	3500	0	3	cbc	bc	bc	bc	
	The Lizard ...	1028.1	+6	E	5	bc	59	85	8	8	-	-	4	6	1500	1029.6	+4	E'S	4	bc	56	75	8	4	-	-	2	3	2500	1	3	ocbc	bc	bc	bc	
	Silly (St. Mary's)	1028.0	+10	E'S	4	1/2	60	92	7	8	6	-	9	10	800	1029.0	+8	E'S	3	bc	58	85	7	5	-	-	2	3	1500	0	2	edebc	cbc	bc	bc	
	Guernsey ...																																			
6	Pembroke ...	1029.4	+6	SE'S	4	bc	60	75	7	-	7	1	0	2	3	-	1029.9	+12	SE	2	bc	59	75	7	4	3	-	4	6	3000	0	2	bc	bc	bc	bc
7	Holyhead (Valley)	1028.7	+4	NE	2	bc	64	55	8	2	6	-	1	2	3000	1029.6	+6	NNE	1	Zo	58	75	6	5	-	-	7	7	4000	0	2	bc	bc	bc	bc	
	Chester (Sealand)	1029.9	-2	E	2	Zo	61	55	6	5	-	-	7	7	2500	1030.0	+4	E'S	1	Zo	57	65	5	-	-	0	0	-	0	0	0	*	bc	bc	bc	bc
8	Manchester ...	1030.3	+2	NE	2	Zo	57	55	6	1	-	-	7	7	3500	1030.5	+6	ENE	1	bc	55	75	3	-	-	0	0	-	0	0	0	*	bc	bc	bc	bc
10	Spurn Head ...	1029.5	+8	N'E	3	o	56	65	7	8	-	-	10	10	4000	1030.4	+6	N'E	3	c	53	75	7	5	-	-	9	9	4000	0	3	o	c	b	bc	
	Catterick ...	1031.0	+8	-	0	c	55	65	7	5	-	-	9	9	4000	1030.9	+4	E	1	Zo	53	75	6	-	-	0	0	-	0	0	0	*	c	bc	bc	bc
	Tynemouth ...	1030.8	+8	NE	3	c	54	65	8	5	-	-	9	9	2600	1030.9	+4	E	3	bc	52	75	8	2	-	-	2	3	2600	1	3	c	bc	bc	bc	
11	St. Abbs Head	1030.3	+0	N	1	c	52	65	9	5	4	-	7	8	3300	1029.9	-2	S	2	c	51	75	8	5	4	-	4	6	3000	0	2	c	bc	bc	bc	
	Leuchars ...	1030.1	+0	SW	1	bc	57	65	8	7	7	-	4	6	3500	1029.2	-2	S	2	bc	54	75	7	-	3	-	0	4	6	0	0	*	cbc	bc	bc	bc
12	Reafrew (Abbots L.)	1030.3	+2	SW	2	Zo	56	65	7	7	-	-	10	10	4500	1030.2	+2	W'S	2	c	55	75	8	5	-	-	9	9	3000	0	*	bc	bc	bc	bc	
	Eskdalemuir ...	1030.0	+2	SE	1	c	53	65	8	5	-	-	9	9	2500	1030.2	+2	S'E	2	c	53	75	8	5	-	-	10	10	2500	0	*	c	c	c	c	
	Point of Ayre ...	1030.7	+2	SSE	3	c	57	75	8	5	-	-	9	9	6000	1030.6	-2	S	1	c	56	75	8	5	-	-	10	10	6000	0	2	c	c	c	c	
13A	Tiree ...	1028.7	+6	WSW	1	1/2	55	97	6	-	2	-	10	10	800	1028.7	0	SW	1	o	54	85	7	5	-	-	10	10	1800	0	3	o	o	o	o	
13B	Stornoway ...	1029.3	-4	ESE	1	c	55	75	8	5	4	-	4	6	3500	1028.6	0	SSE	3	bc	53	85	8	1	4	1	1	2	3500	1	1	o	bc	bc	bc	
15	Dalwhinnie ...	1030.3	0	-	0	o	54	75	8	8	-	-	9	9	2500	1029.7	+4	SW	1	c	53	75	8	8	-	-	9	9	4000	0	*	c	c	c	c	
	Aberdeen ...	1030.2	+4	N	1	bc	52	65	7	5	-	-	4	6	3500	1029.8	-2	SW	3	b	50	75	7	-	-	1	0	7	-	0	1	o	bc	bc	bc	
	Wick ...	1029.6	+2	SE	2	bc	54	65	7	5	-	-	4	6	3000	1029.2	-2	S'E	3	b	51	75	8	-	4	1	0	1	-	0	0	*	bc	bc	bc	
	Sumburgh ...	1028.6	0	W	3	c	47	85	9	5	-	-	9	9	3500	1028.2	-4	W	3	c	50	75	9	5	-	-	9	9	3500	1	*	c	c	c	c	
17	Blacksod Point...	1028.0	+2	-	0	c	63	85	8	5	-	-	9	9	2500	1028.2	-2	-	0	C	61	92	8	5	-	-	9	9	2500	1	1	c	c	c	c	
18	Malin Head ...	1028.8	+4	E	1	c	57	85																												

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 15h. Sept. 18h. G.M.T.				01h. G.M.T. 16h. Sept. 07h. G.M.T.					
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN
109	5-	02965	25225	50	00961	20101	50	00953	20203
115	54	01954	08125	54	01954	22215	52	02844	22327
203				5-	02935	16325	5-	01944	16224
206	70	01963	08323	73	02865	08225	5-	01863	00023
210	50	00962	32112	50	00961	08111	50	00762	00002
220				50	02857	21217			
230				51	02757	16128	5-	02757	00057
245	7-	02867	24227	50	01974	14114	5-	05665	24215
260	5-	02767	00017	5-	05667	22217	5-	05668	24128
278	5-	02878	11328	5-	02767	13227	5-	02868	10128
279	70	00863	02113	7-	02966	00016	5-	02768	00028
285	10	01854	02114	50	01855	08315	5-	05568	00058
288	51	02757	32228	00	05630	06200	03	05630	20103
576	57	02854	12158	5-	51648	12158	5-	51638	12228
801	50	01762	10112	00	05630	04202	00	08490	08240
321	5-	02868	02228	5-	02767	02127	00	05590	00000
299	80	01754	30315	5-	02847	30327	50	00740	24102
292	5-	05668	28228	50	00863	07113	00	05590	00000
310	--	01644	04314	--	05543	04313	--		
614	5-	05666	04126	40	05662	32112	00	05590	00000
333	23	02754	12324	00	00790	24200	5-	05658	00018
334	--	01862	32103	--	02755	32116	--		
340	10	00663	27113	00	05630	10100			
136	5-	02968	32328	5-	02967	01257	5-	02858	32128
336	13	01762	08313				51	05653	12315
350	53	02866	02227	5-	02767	02227			
368				00	00790	04200	00	05690	02200
379	50	01764	02314	50	00861	04201	00	05690	00000
390	7-	02766	30327	5-	02768	32128	5-	05658	00028
382	5-	02857	02227	50	01865	04113	50	05362	00000
438	5-	02855	04215				02	03758	32428
430	5-	02766	02426	50	05662	04213	50	05662	00012
409	53	02763	14326	3-	01854	14314	00	00690	12320

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



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 16th September 1941
1 S.E. England	Light variable winds; fair, with considerable bright periods; some local fog around dawn, mainly in industrial areas; average temperature or rather 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	Light to moderate Westerly winds; cloudy; occasional rain or drizzle later; average temperature.
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	Light variable winds; cloudy, with local drizzle; average temperature.
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	

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

FRONTS or boundaries between masses of air of different origin are indicated, wherever their character is 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 covers most of the British Isles, but a minor trough of low pressure over our western and northern districts will cause some drizzle there. Elsewhere weather will be fair, though with some local fog around dawn. Temperatures will be near or rather below average.

FURTHER OUTLOOK.

Slight rain in extreme N. and W. Fair elsewhere.

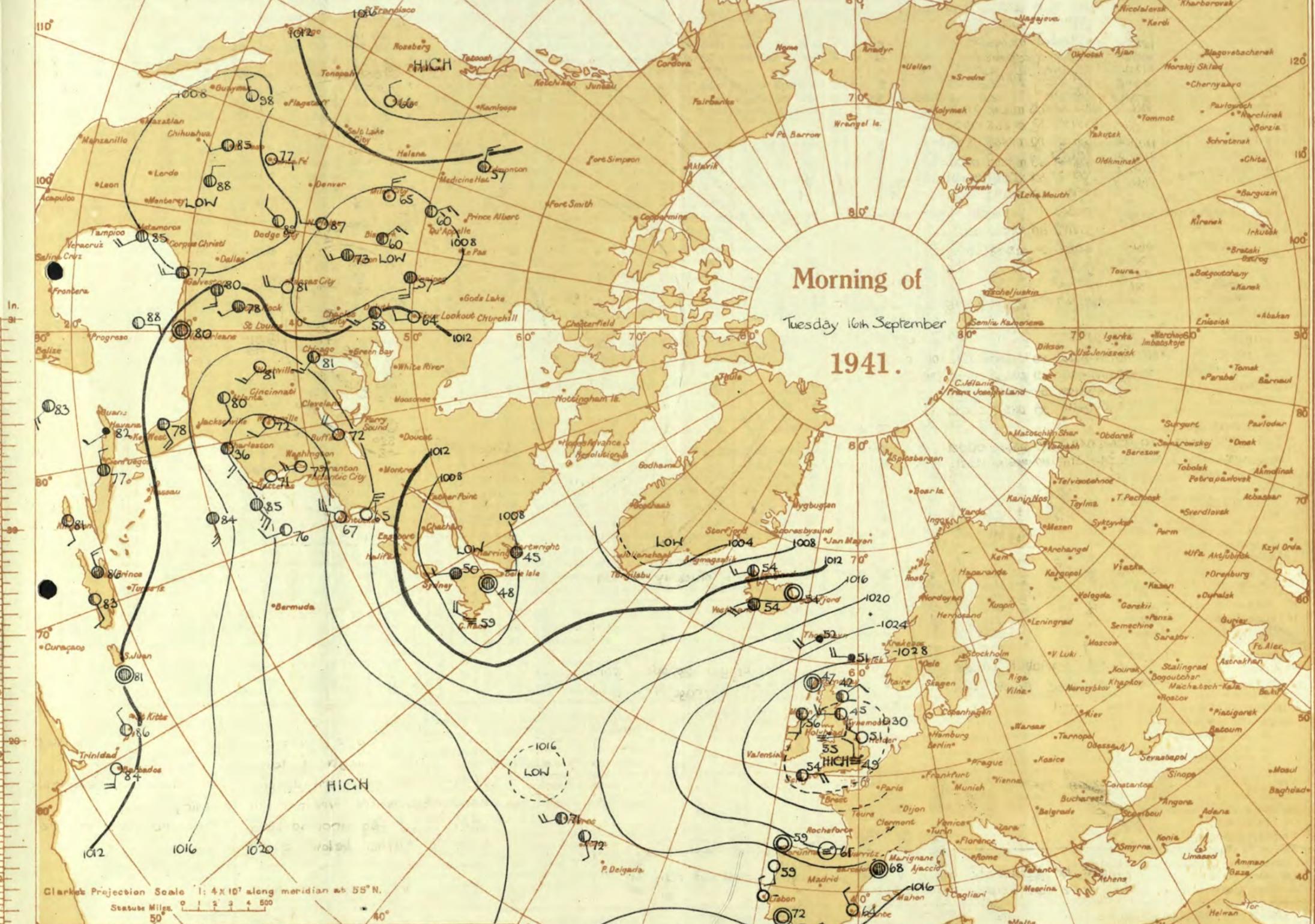
Forecasts issued at 1030 G.M.T.
 H.M.S.O. Press, Meteorological Office, Dunstable.

N. K. JOHNSON, D.Sc., A.R.C.S.
 Director.
 G.263/4120. No. 8176. 0.8034. 0p.340.8100.2/41

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.



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Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500
 50° 40°

EXPLANATION OF CHART.

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

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

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

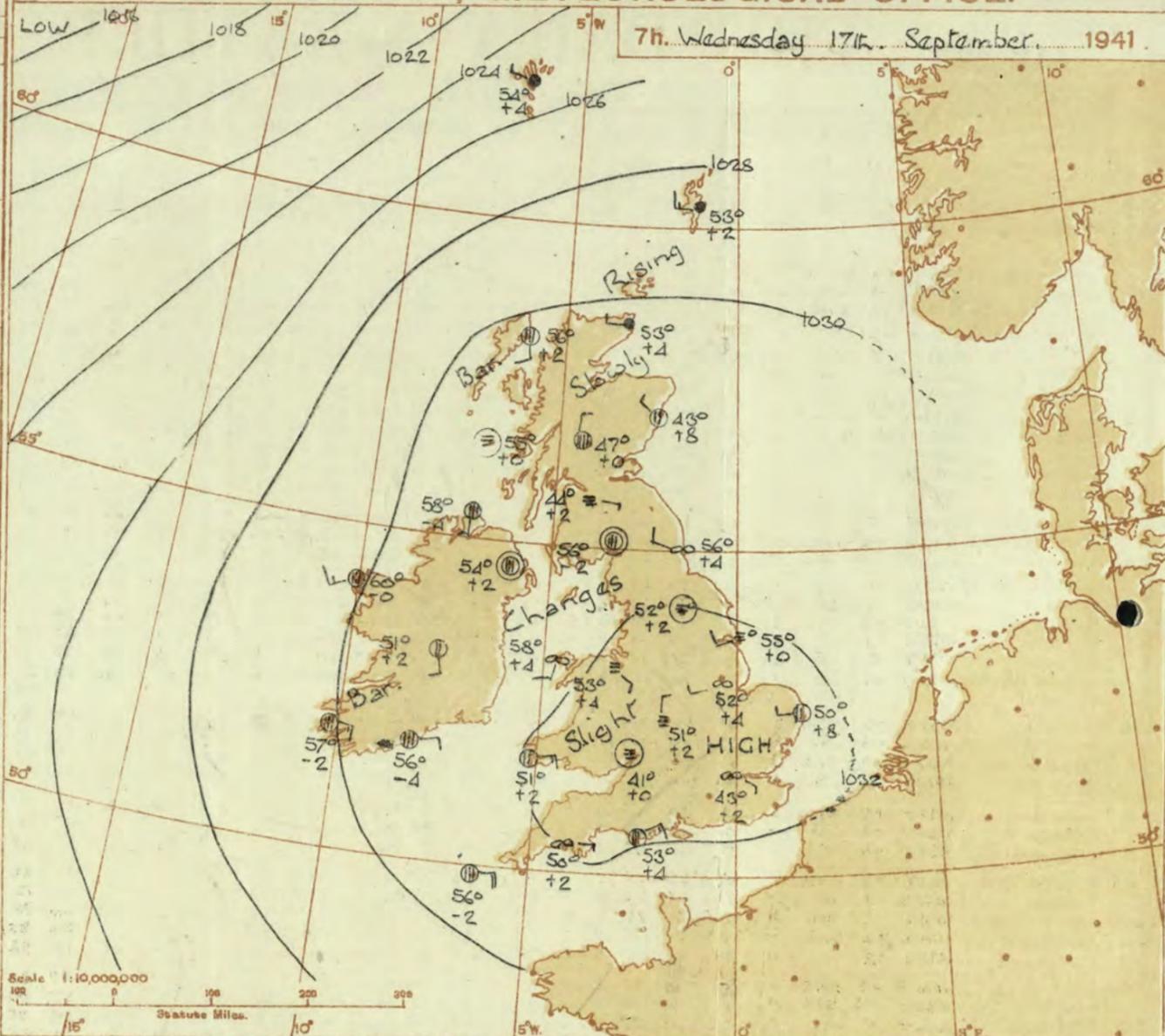
OBSERVATIONS at 1 hr. G.M.T. 16th September...														OBSERVATIONS at 7 hr. G.M.T. 16th September...														PAST 24 HOURS.					
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				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 (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-19h °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.	
1	London (Kew) ... 18	1031.2	+4	NNE	1	bc	49	92	6	5	4.6	10	4000	1031.5	+12	NE	2	bc	52	65	6	5	10	10	2500	0	57	51	49	-	-	0.2	
	Croydon ... 217	1032.1	+6	NNE	1	bc	49	92	6	5	4.6	10	3000	1032.4	+10	NE	2	bc	51	75	7	5	10	10	3000	0	56	48	45	-	-	0.0	
	S. Farnborough ... 226	1032.5	+6	NNE	2	bc	41	92	6	5	0	0	0	1033.4	+10	NNE	2	bc	39	92	6	5	10	10	1500	0	59	37	33	-	-	3.4	
	Boscombe Down ... 417	1031.6	+2	NNE	1	bc	47	97	6	5	2.3	2.3	4300	1032.7	+10	NNE	1	bc	49	97	7	5	10	10	4000	0	60	44	39	-	-	*	
	Thorney Island ... 10	1030.9	-4	NNE	1	bc	51	85	7	5	0	0	4000	1031.8	-8	NNE	2	bc	50	85	8	5	10	10	3700	0	59	49	47	-	-	*	
	Lympe ... 346	1031.2	+6	NNE	1	bc	54	75	7	5	0	0	3000	1032.1	+10	NNE	2	bc	53	75	8	5	10	10	3000	0	58	53	51	-	-	0.3	
2	Shoeburyness ... 11	1030.8	+4	N	1	bc	53	75	7	5	10	10	3800	1031.7	+8	NW	3	bc	51	75	8	5	10	10	3400	0	59	50	49	-	-	0.0	
	Felixstowe ... 5	1031.0	+4	NW	2	bc	52	85	6	5	10	10	1500	1032.2	+10	NW	2	bc	51	85	7	5	10	10	2000	0	58	50	49	-	-	*	
	Gorleston ... 19	1031.8	+6	N	0	bc	51	92	7	5	0	0	3600	1033.0	+10	N	0	bc	50	97	8	5	10	10	3500	0	60	49	47	-	-	0.1	
	Mildenhall ... 240	1032.3	+2	N	0	bc	39	92	6	5	0	0	4000	1033.0	+6	N	0	bc	48	85	7	5	10	10	3000	0	56	38	32	-	-	0.0	
3	Birmingham ... 535	1032.1	+2	N	0	bc	43	92	6	5	4.6	4.6	3000	1033.3	+4	NW	1	bc	45	85	5	3	0	7.8	-	1	58	41	28	-	-	6.6	
	Upper Heyford ... 408	1032.1	+2	N	0	bc	43	92	6	5	4.6	4.6	3000	1033.5	+12	N	0	bc	41	97	6	5	0	0	1	58	39	37	-	-	*		
	Ross-on-Wye ... 223	1032.3	+2	N	0	bc	43	92	6	5	4.6	4.6	3000	1033.3	+4	N	0	bc	37	97	1	5	0	0	220	0	60	36	*	-	-	10.6	
5	Hartland Point ... 299	1031.1	+6	SSE	2	bc	51	85	7	9	1	1	4000	1031.9	+8	SE	2	bc	49	85	8	5	0	0	0	2	64	48	45	-	-	5.7	
	Bristol ... 209	1032.5	+6	N	0	bc	41	92	5	5	0	0	0	1034.1	+14	N	0	bc	38	97	6	5	0	0	800	0	62	36	28	-	-	11.4	
	Portland Bill ... 32	1031.4	-16	NE	3	bc	53	92	7	5	4.6	4.6	2500	1032.4	+8	ENE	4	bc	52	72	7	5	10	10	2500	0	61	50	*	-	-	*	
	Plymouth ... 82	1032.1	+6	E	1	bc	45	92	6	5	1	1	2000	1033.0	+10	E'S	1	bc	45	85	5	5	2.3	2.3	2500	0	63	43	37	-	-	7.4	
	The Lizard ... 240	1030.6	+2	E'S	1	bc	54	85	7	8	4.6	4.6	2500	1031.4	+10	E	3	bc	55	75	8	2	7.8	7.8	1500	0	61	53	1	-	-	6.8	
	Scilly (St. Mary's) ... 163	1030.5	+10	E	1	bc	54	85	7	5	2.3	2.3	1500	1031.1	+6	NW	8	bc	55	75	8	5	7	7.8	1500	0	65	58	*	0.2	-	2.8	
	Guernsey ... 175	1031.3	0	N	3	bc	56	92	7	8	7.8	7.8	2500	1032.1	+4	SW	3	bc	58	85	7	8	6	7.8	1500	0	60	54	*	-	-	6.7	
6	Pembroke ... 142	1030.7	0	E	1	bc	55	85	5	5	0	0	3000	1031.5	+6	SE	3	bc	58	85	6	5	10	10	4000	0	67	49	45	-	-	*	
7	Holyhead (Valley) ... 26	1031.7	-2	SE	2	bc	45	85	4	5	0	0	0	1032.5	+4	SE	1	bc	47	85	4	5	0	0	3700	0	63	43	41	-	-	9.4	
	Chester (Sealand) ... 16	1032.5	+4	N	0	bc	41	97	3	5	0	0	0	1033.1	+6	ENE	2	bc	43	92	3	5	0	0	3000	1	59	35	31	-	-	6.9	
8	Manchester ... 70	1031.6	+2	NW	3	bc	51	75	7	5	0	0	0	1032.4	+4	N	3	bc	50	75	7	5	0	0	4000	0	57	49	*	-	-	0.4	
10	Spurn Head ... 29	1032.4	+2	N	0	bc	39	97	4	5	10	10	2600	1032.6	+2	N	0	bc	46	85	5	5	10	10	3600	0	57	37	29	-	-	2.4	
	Catterick ... 175	1031.1	-2	N	3	bc	45	92	5	4	0	0	2.3	1031.1	+4	N	2	bc	51	75	4	5	7.8	7.8	1200	0	54	45	44	-	-	*	
	Tynemouth ... 108	1031.1	-2	N	3	bc	45	92	5	4	0	0	2.3	1031.1	+4	N	2	bc	51	75	4	5	7.8	7.8	1200	0	54	45	44	-	-	*	
11	St. Abbs Head ... 280	1029.7	+4	N	2	bc	51	85	8	5	4.6	4.6	2500	1030.7	+6	NW	1	bc	54	85	7	5	2	0	1800	0	55	46	*	-	-	*	
	Leuchars ... 36	1029.9	0	N	0	bc	51	92	5	5	10	10	3500	1030.5	+6	NW	1	bc	52	92	7	5	0	0	4000	0	59	49	46	-	-	3.1	
12	Renfrew (Abbots I.) ... 19	1030.5	-6	N	0	bc	53	92	7	5	10	10	4000	1030.9	+2	N	0	bc	54	85	6	5	0	0	3000	0	57	53	50	-	-	0.0	
	Eskdalemuir ... 794	1030.8	-2	N	0	bc	56	85	8	5	2.3	10	4000	1031.8	+2	N	0	bc	48	92	7	5	10	10	1500	0	59	47	47	-	-	0.1	
	Point of Ayre ... 30	1030.8	-2	SW	1	bc	56	85	8	5	2.3	10	4000	1031.4	+2	SW	2	bc	47	85	8	5	2	10	5000	0	59	54	*	-	-	2.3	
13A	Tiree ... 22	1029.6	+2	N	0	bc	53	97	7	5	10	10	1800	1029.9	+4	N	0	bc	53	85	7	5	10	10	1500	0	58	51	*	0.5	-	0.0	
13B	Stornoway ... 80	1029.1	0	N	0	bc	47	92	8	5	1	2.3	3500	1030.0	+8	N	1	bc	50	92	8	5	7	7.8	10	2500	1	55	45	*	-	-	6.6
15	Dalwhinnie ... 1176	1029.7	0	N	0	bc	47	92	8	5	1	2.3	3500	1030.7	+4	N	1	bc	41	97	8	7	7.8	7.8	1500	1	59	36	28	-	-	2.2	
	Aberdeen ... 79	1029.7	0	N	0	bc	47	92	8	5	1	2.3	3500	1030.7	+4	N	1	bc	41	97	8	7	7.8	7.8	1500	1	59	36	28	-	-	2.2	
	Wick ... 119	1029.2	-2	N	1	bc	43	92	7	5	7.8	7.8	3000	1030.0	+8	SW	1	bc	50	92	9	5	0	0	3000	0	55	42	37	-	-	4.6	
16	Sumburgh ... 30	1028.3	-2	SW	2	bc	42	92	9	5	2.3	2.3	1800	1028.2	+6	N	4	bc	51	75	9	5	10	10	2200	0	*	*	4.4	-	-	0.1	
17	Blacksod Point ... 18	1029.2	0	N	0	bc	60	97	7	5	9	9	1500	1030.3	+6	N	0	bc	60	92	7	6	0	7.8	0	1	62	56	*	Tr	0.1	*	
	Malin Head ... 84	1029.1	-2	N	1	bc	56	92	6	6	0	0	800	1030.6	+6	N	0	bc	56	97	7	5	0	0	1500	0	59	54	*	0.4	0.6	0.0	
	Aldergrove ... 268	1031.0	0	SE	1	bc	53	85	6	5	10	10	1900	1031.4	+6	N	0	bc	54	92	6	5	10	10	700	1	58	52	53	-	-	0.5	0.7
19	Birr Castle ... 173	1029.9	+4	N	1	bc	59	97	7	5	10	10	2500	1030.9	+10	N	1	bc	58	97	7	5	7	7.8	0	2	66	58	56	0.1	0.3	0.7	
	Valentia Obay. ... 30	1029.7	-2	N	0	bc	60	92	8	5	9	9	2500	1030.5	+6	N	0	bc															

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 16h. Sept.			18h. G.M.T.			01h. G.M.T. 17h. Sept.			07h. G.M.T.			
III, C _u	wwVhN _h	DDFWN	C, C _u	wwVhN _h	DDFWN	C, C _u	wwVhN _h	DDFWN	C, C _u	wwVhN _h	DDFWN	
109	5-	02855	24425	5-	02854	25224	5-	01844	19324	5-	52537	20357
115	5+	01943	22424	52	02744	22427	52	91844	22437	--	67109	20389
203												
206	10	01863	06113	70	00971	08301	5-	00863	00013	5-	02856	00026
210	70	00963	02213	00	00990	00000	50	00862	18112	5-	02867	15127
220												
230	70	00853	20313	5-	02865	20215	5-	51656	00056	5-	57308	20158
245	11	00863	15413	50	00741	08211	5-	02766	24126	50	05663	26213
260	5-	05667	22227	5-	05677	20117	00	43390	00040	00	45190	00040
278	5-	05637	18157	5-	02767	02127	5-	05657	12117	5-	61667	20157
279	57	05664	20227	50	05665	20325	50	05632	00012	50	05655	00045
285	5-	02747	24427	23	05645	24416					02747	28127
288	73	02765	18226	53	02755	16127	5-	05668	20228	5-	05568	20128
575	83	02744	00027	5-	02968	00028	5-	05658	09128	53	05557	08158
801	03	05690	20226	03	05690	26214	5-	61595	00079	07	47390	00066
321	7-	02758	32148	50	05667	05227	5-	05558	22128	5-	47368	14148
299	5-	05653	26203	50	05653	00013	5-	05548	22228	5-	05548	22228
292	03	00790	27123	50	01774	14124	5-	05568	12128	5-	08467	00028
310	--	02638	24328	--	01635	26315				--	03636	24226
614	5-	05667	22107	05	05590	04105	5-	47368	00048	5-	47357	22227
333	5-	02758	16228	5-	01765	18115	5-	05656	00026	5-	02757	00027
334	--	01862	00013	--	02756	04117				--	03437	00028
340	5-	05667	02127	03	05690	02103	5-	45368	00048	5-	08467	16127
136	7-	01764	00014	03	05690	00014	00	05690	23210	50	05562	20202
336	14	01763	12326	04	01790	08312				--	46209	00049
350	10	05663	04113	00	05690	06100	00	05690	00000	00	05590	18140
368	00	00790	12200	00	05690	11410	00	05590	04100	00	05590	04200
879	10	01743	12113	00	00790	07100	00	05690	24100	00	05690	16100
390	5-	02867	24127	00	00790	00010	00	05590	00000	00	05490	00000
382	40	01754	06114	00	05690	00010	00	05590	00000	00	45190	00040
438	5-	02856	04326							02	02856	04326
430				53	01874	00014	00	05690	04100	5-	02868	04328
400	10	05653	06103	50	05764	14114	00	05690	09210	0	02847	07227

III - Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W - Present and past weather—See M.O. 252.
h, N_h - Height and amount of low cloud—See M.O. 252.
N - Total amount of cloud—See M.O. 252.
C, C_u - 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 17th Sept. 1941

1 S.E. England	Light variable to S.E. breeze; fine; some early morning fog tomorrow; average day temperature; very cool at night.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light S.E. wind; fair; average temperature; local early morning fog inland.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Light variable to southerly breeze; fair or fine; local early morning fog; average day temperature; cool at night.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	Light S. to S.W. wind; cloudy to overcast; occasional drizzle near the coast; average temperature.
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	Light S. to S.E. winds; mainly cloudy at first, but brighter conditions spreading from the south; average temperature.

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

FRONTS or boundaries between masses of air of different origins are indicated, wherever their characteristics are well pronounced in the following way—
 = Warm Front on the Surface
 = Cold Front on the surface
 = Warm Front above the ground
 = Cold Front above the ground
 = Occluded Front (or Occlusion)
 = Warm Occlusion
 = Cold Occlusion
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 covers the British Isles and depressions are moving northeast in the Icelandic area. Weather will continue fair to fine in most districts apart from some occasional drizzle in the extreme N.W. and N. Early morning fog will occur in England.

FURTHER OUTLOOK.

No indications of any important change.

Forecasts issued at 1030 G.M.T.

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

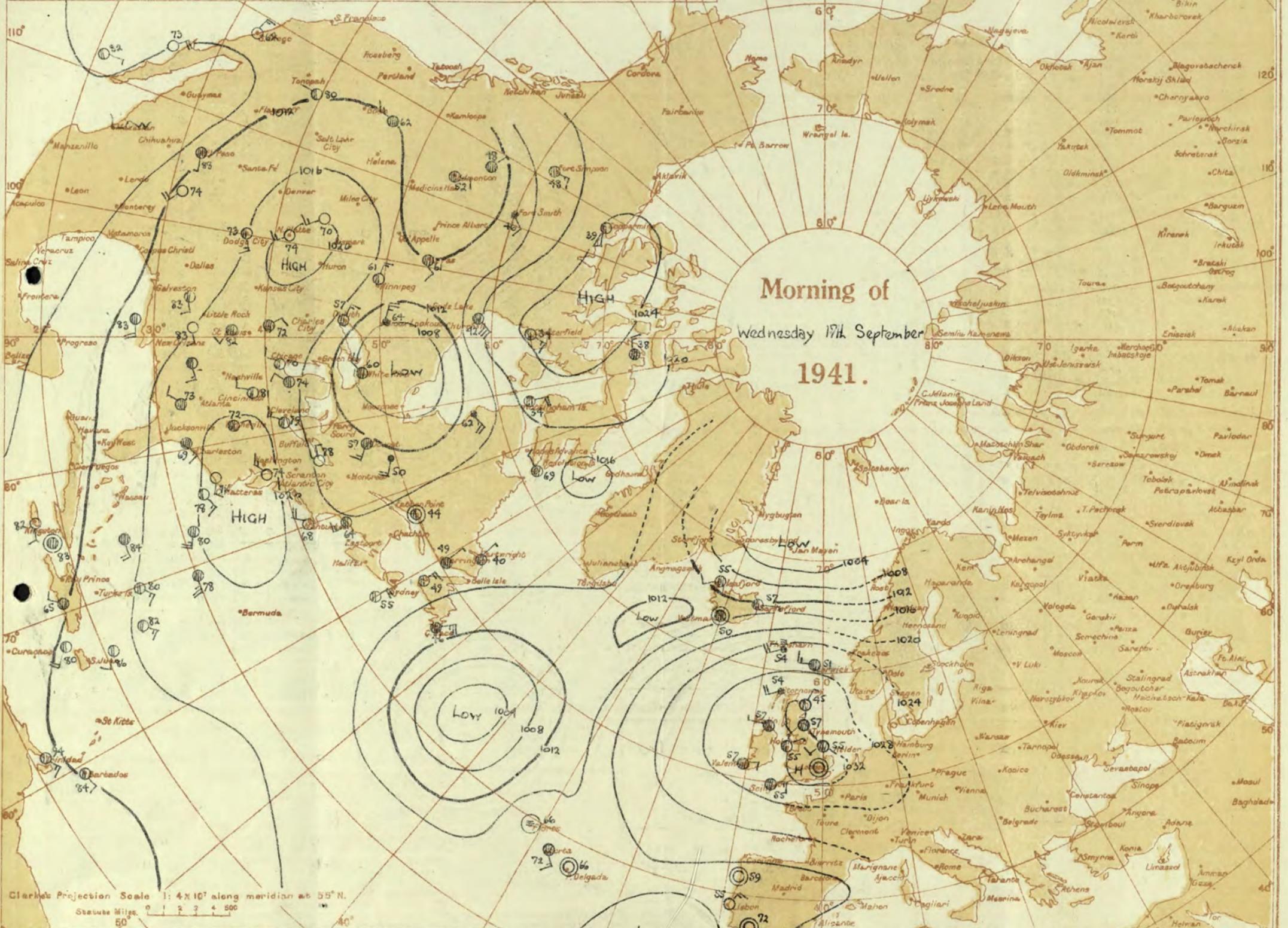
H.M. S.O. Press, Meteorological Office, Dunstable.

9269/420. W. 5170. D. 8054. Sp. 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.



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 5/10 clouded. ⊙ Sky 7/10 to 9/10 clouded. ⊚ Overcast sky. ○ Rain falling. * Snow. † Sleet. Δ Hail. Fog ≡ Mist. ⚡ Thunder. (⚡) Thunderstorm. E 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.

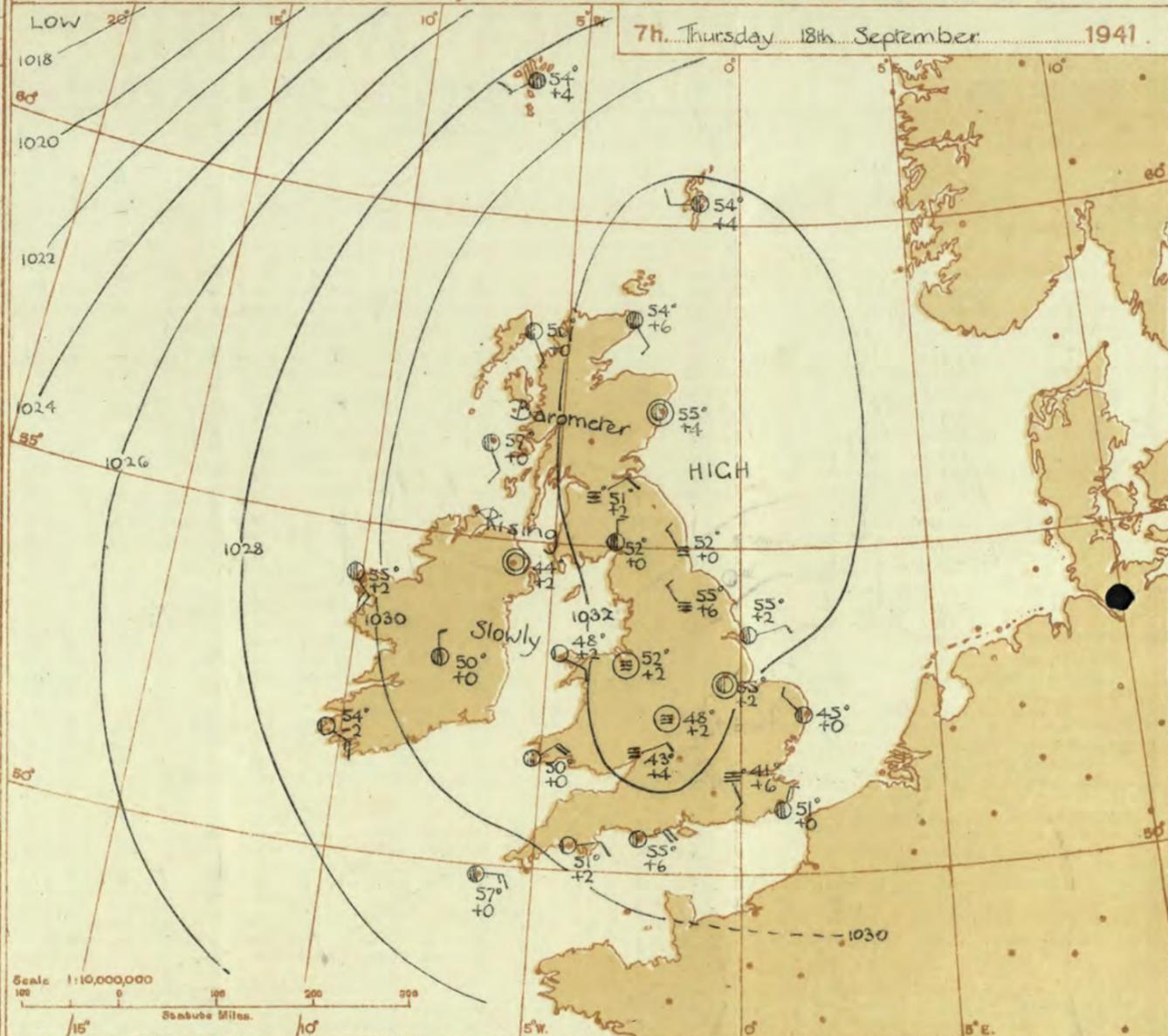
OBSERVATIONS at 1 hr. G.M.T. 17th September															OBSERVATIONS at 7 hr. G.M.T. 17th September															PAST 24 HOURS.					
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	P. V. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	P. V. (22)	Cloud.					Sea. (30)	TEMPERATURE.			RAINFALL.		SUNSHINE 16th Hrs. (36)		
					Dir.	Force.				Weather.	Form.	Amount.	Height of Base (feet) (14)	Dir.			Force.	Weather.				Form.	Amount.	Height of Base (feet) (28)	State of Ground. (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)				
																																Low.		Med.	High.
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	1033.5	+4	SW 5	1	bc	43	97	2	-	-	-	0	0	0	0	58	40	31	-	Tr	7.8		
	Croydon	217	1032.6	-2	0	0	41	97	4	-	-	-	1032.8	+2	SE	1	bc	43	97	5	5	-	-	2.3	2.3	3500	0	62	38	36	-	-	5.5		
	S. Farnborough	226	1033.3	+2	0	0	39	92	-	-	-	1033.7	+2	-	0	bc	37	97	1	-	-	-	10	10	2150	1	62	35	31	-	-	6.4			
	Boscombe Down	417	1033.0	-4	2	2	46	85	6	-	-	1033.2	+4	ESE	1	bc	45	92	6	-	-	-	0	0	-	0	59	39	31	-	-	9.2			
	Thorney Island	10	1032.5	-2	2	2	43	92	6	-	-	1032.4	+2	NE/N	2	c	50	92	7	5	-	-	9+	9+	4000	0	63	40	36	-	-	*			
	Lympe	346	1032.8	-2	1	1	46	97	6	5	-	1	1	2500	1032.5	-2	N	1	c	51	92	7	5	-	9+	9+	2900	0	57	43	35	-	-	0.3	
	Manston	154	1032.7	-2	0	0	46	92	6	5	-	1	1	2800	1032.7	+2	-	0	c	54	75	8	5	-	9+	9+	3200	0	58	46	34	-	-	0.2	
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	1033.0	+2	NW	1	c	47	92	5	5	-	-	9+	9+	2500	0	60	44	34	-	-	0.4		
	Felixstowe	15	1032.3	-2	0	0	50	85	6	-	-	-	1032.5	+2	-	0	bc	51	85	5	5	-	-	9+	9+	3500	1	65	46	42	-	-	3.8		
	Gorleston	5	1032.2	-4	0	0	51	75	6	5	-	9+	9+	1500	1032.9	+8	W/S	1	bc	50	85	6	5	3	-	2.3	2.3	2500	0	57	49	48	-	-	*
	Mildenhall	19	1032.3	+2	0	0	45	97	6	-	-	0	0	1033.1	+1	S	1	bc	39	97	5	-	-	0	0	0	64	36	29	-	-	Tr	4.4		
	Cranwell	240	1032.6	-4	3	3	53	75	6	5	-	9	9	3500	1032.6	+4	SW	1	bc	52	85	5	5	-	9+	9+	4500	0	63	46	40	-	-	5.6	
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	1033.0	+2	N	1	bc	51	85	3	5	-	-	9	9	4000	1	61	49	36	-	-	1.8		
	Upper Heyford	408	1033.0	0	0	0	46	92	5	-	-	0	0	1033.1	+4	-	0	bc	40	97	1	-	-	0	0	1	61	39	37	-	-	*			
	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	1033.2	0	-	0	bc	41	97	1	-	-	-	10	10	4150	0	63	39	36	-	-	7.0		
5	Hartland Point	299	1031.6	-2	ESE	2	51	85	7	-	-	0	0	1031.6	+2	SE/E	3	bc	55	85	7	5	-	-	2.3	2.3	3000	0	63	47	44	-	-	11.4	
	Bristol	200	1032.7	-4	0	0	42	92	5	-	-	0	0	1033.4	+6	-	0	bc	39	97	5	-	-	0	0	0	63	38	30	-	-	9.0			
	Portland Bill	32	1031.4	-12	NE	3	56	92	7	2	-	4.6	4.6	4000	1031.3	+4	NE	3	c	53	85	8	5	-	10	10	2500	0	59	50	*	-	-	*	
	Plymouth	82	1032.4	-6	E	1	45	97	5	-	-	0	0	1032.1	+2	E	1	bc	50	92	6	5	-	10	10	4000	0	63	43	38	-	-	9.4		
	The Lizard	240	1031.0	+6	E/S	4	55	75	8	8	-	7.8	7.8	1500	1030.4	-2	E/S	5	c	56	75	8	6	-	7.8	9+	1800	0	62	53	*	-	-	6.2	
	Scilly (St. Mary's)	163	1030.8	-8	E	3	55	85	6	5	-	9+	9+	1500	1030.1	-2	E	4	c	56	75	8	5	-	10	10	1800	0	63	52	*	-	-	3.5	
	Guernsey	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
6	Pembroke	142	1033.1	-2	NE/E	2	53	97	7	-	-	0	0	1032.1	+2	E/N	3	bc	51	97	5	-	3	-	0	2.3	0	2	62	51	*	-	-	1.3	
7	Holyhead/Valley	26	1031.7	-6	E	1	55	97	6	5	-	4.6	4.6	4000	1031.9	+4	SSW	2	bc	58	97	6	5	-	9+	9+	3000	0	62	53	42	-	-	*	
	Chester/Sealand	16	1032.5	-2	SSE	1	53	92	1	-	-	10	10	2150	1032.5	+4	SE	1	bc	53	92	3	5	-	10	10	5000	0	65	50	42	-	-	4.9	
	Manchester	70	1032.5	-2	0	0	52	92	3	5	-	10	10	2000	1032.5	+2	-	0	bc	53	97	2	5	-	9	10	1100	1	65	46	41	-	-	0.1	
10	Spurn Head	29	1032.4	0	SW/W	2	55	75	7	8	-	9+	9+	2700	1032.8	0	SW/W	2	m	55	85	4	8	-	10	10	2500	0	61	50	*	-	-	7.2	
	Catterick	175	1032.1	-2	0	0	54	92	5	5	-	10	10	3100	1031.9	+2	-	0	m	52	92	4	5	-	10	10	3500	0	64	51	49	-	-	0.9	
	Tynemouth	108	1031.5	-4	SW	2	57	85	5	5	-	10	10	1800	1031.5	+4	WNW	2	bc	56	85	5	5	-	9+	9+	4000	0	60	56	50	-	-	*	
11	St. Abbs Head	280	1031.1	-4	NW	1	55	85	7	-	-	0	0	1031.3	+4	NNE	1	bc	53	92	7	-	-	0	0	0	1	59	51	*	-	-	*		
	Leuchars	36	1031.2	+2	NW	1	48	92	6	5	-	2.3	2.3	3200	1031.4	+4	W	2	bc	45	97	6	-	-	0	0	0	65	44	41	-	-	5.0		
12	Banfrew (Abbots L.)	19	1031.7	-2	WSW	1	44	97	4	-	-	0	0	1032.2	+2	E/S	1	F	44	97	1	-	-	10	10	4150	0	64	38	34	-	-	2.6		
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Point of Ayre	30	1031.3	0	0	0	56	97	7	5	-	2.3	2.3	3000	1031.6	-2	-	0	c	57	97	8	5	-	9	9	5000	1	63	52	*	0.4	-	0.1	
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
13B	Stormoway	80	1029.9	-4	8	3	57	97	8	5	7	4.6	10	2500	1030.2	+2	SSE	2	c	56	97	7	5	4	5	7.8	9+	2500	1	59	54	*	-	-	Tr
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Wick	119	1030.3	-8	SSW	3	51	97	7	5	-	2.3	2.3	4000	1030.7	+4	W	1	bc	43	97	6	5	-	2.3	2.3	6000	1	63	41	36	-	-	7.6	
16	Sumburgh	30	1029.2	-2	W/S	4	52	97	8	5	-	9	9	1800	1029.1	+4	W	3	bc	53	97	4	5	-	10	10	200	1	53	51	50	*	1	0	
17	Blacksod Point	18	1030.6	-2	0	0	50	92	7	-	-	6	10	1029.9	0	SW	3	c	60	92	7	-	7	-	0	9+	0	3	67	57	*	-	-	0.1	
18	Malin Head	84	1031.2	-6	W	1	57	97	7	8	-	7.8	7.8	1500	1030.5	-4	S	1	c	58	92	8	4	-	7.8	7.8	4000	0	60	55	*	1	-	0.3	
	Aldergrove	268	1032.0	-6	0	0	57	85	5	5	-	10	10	3000	1031.7	+2	-	0	bc	54	92	7	5	-	7.8	7.8	4000	1	68	53	50	-	-	Tr	
19	Birr Castle	173	1031.4	0	SW	1	58	92	8	5	1	3	7.8	10	2500	1031.4	+2	SSE	1	bc	51	97	8	-	3	-	0	4.6	0	67	51	46	-	-	0.1
	Valentia Obay.	30	1030.3	-10	ESE																														

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 17h. September 18h. G.M.T.				01h. G.M.T. 18h. September 07h. G.M.T.							
III	C _M	wwVhN	DDFWN	C _M	wwVhN	DDFWN	C _M	wwVhN	DDFWN		
106	5-	02846	26426	53	02835	27226	5-	03748	22228		
115	54	09834	20365	53	09844	20325	52	02844	16127		
203				5-	2937	16117	5-	02953	00028		
206	7-	02966	00026	4-	02965	32125	5-	01864	00024		
210	73	02964	30216	5-	02975	05125	5-	01854	2114		
220				53	02854	18217			53	02854	09115
230	7-	02967	00027	5-	02967	00027	5-	01765	00015		
245	5-	02976	14316	50	02765	1125	5-	05558	24128		
260	10	01863	00043	50	05664	04114	--	44103	00043		
278	--	02857	26167	50	01875	04125	5-	05661	12101		
279	5-	05665	28115	50	01764	24114	50	05662	00002		
285	5-	02856	28327	5-	02857	00027	5-	03638	28228		
288	5-	47355	03128	5-	45357	02147	5-	45268	00048		
575	23	02753	00057	43	02861	00027	00	00736	00000		
301	13	02761	26247	53	05673	28126	00	08430	00010		
321	53	17564	18246				5-	45358	00043		
299	5-	08447	26328				5-	05548	00028		
292	5-	02768	01128				5-	05668	00028		
310	--	02638	24228	--	05536	26226		05428	26228		
614	5-	05578	24148	03	7430	00025		05567	00027		
333	8-	05675	16225	00	05680	26210	00	05530	00000		
334	--	02765	04127	--	01764	08214		08303	00028		
340	10	05664	28124	00	05680	02110	5-	45368	14148		
136	10	05663	12103					45366	18146		
336	14	01862	12313	50	01852	12302			46105	2243	
350				00	05680	04200	00	08430	14100		
368				00	08430	32100	50	08425	07345		
379				00	00730	08100	00	05530	32100		
390				00	05680	10110	00	08430	00000		
382	10	00752	08102	00	05680	04100	00	47130	00040		
438	5-	02755	06415				5-	03758	04428		
430							00	05680	04200		
400	5-	02867	11327	55	00852	08313	00	05680	11303		

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
 ww, W = Present and past weather—See M.O. 252.
 h, N_h = Height and amount of low cloud—See M.O. 252.
 N = Total amount of cloud—See M.O. 252.
 C, C_M = Form of low and medium cloud—See page 1.
 V, V_M = 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 18th September

1 S.E. England	
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	Light to moderate southwest winds; mainly cloudy, rather mild.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	Light to moderate southeast wind, fair to fine, average temperature.

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. 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 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 covering the British Isles is tending to move slowly north and will maintain fair or fine weather generally.

FURTHER OUTLOOK.

Little change indicated.

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

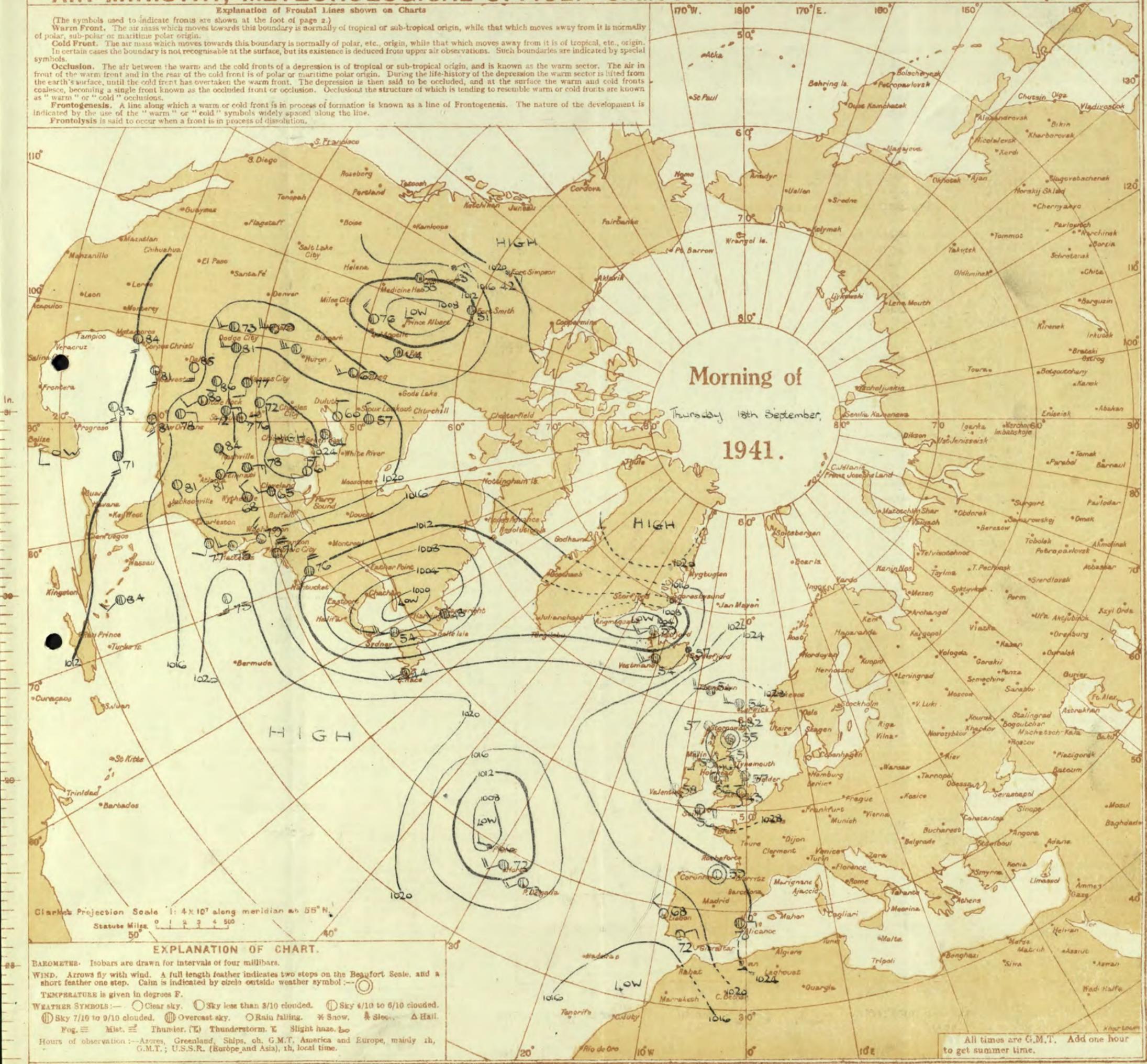
N. K. JOHNSON, D.Sc., A.R.C.S.
 Director.

9209/412. No. 8176. D. 8034. Op. 348. 3508. 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
 Thursday 18th September,
 1941.

EXPLANATION OF CHART.

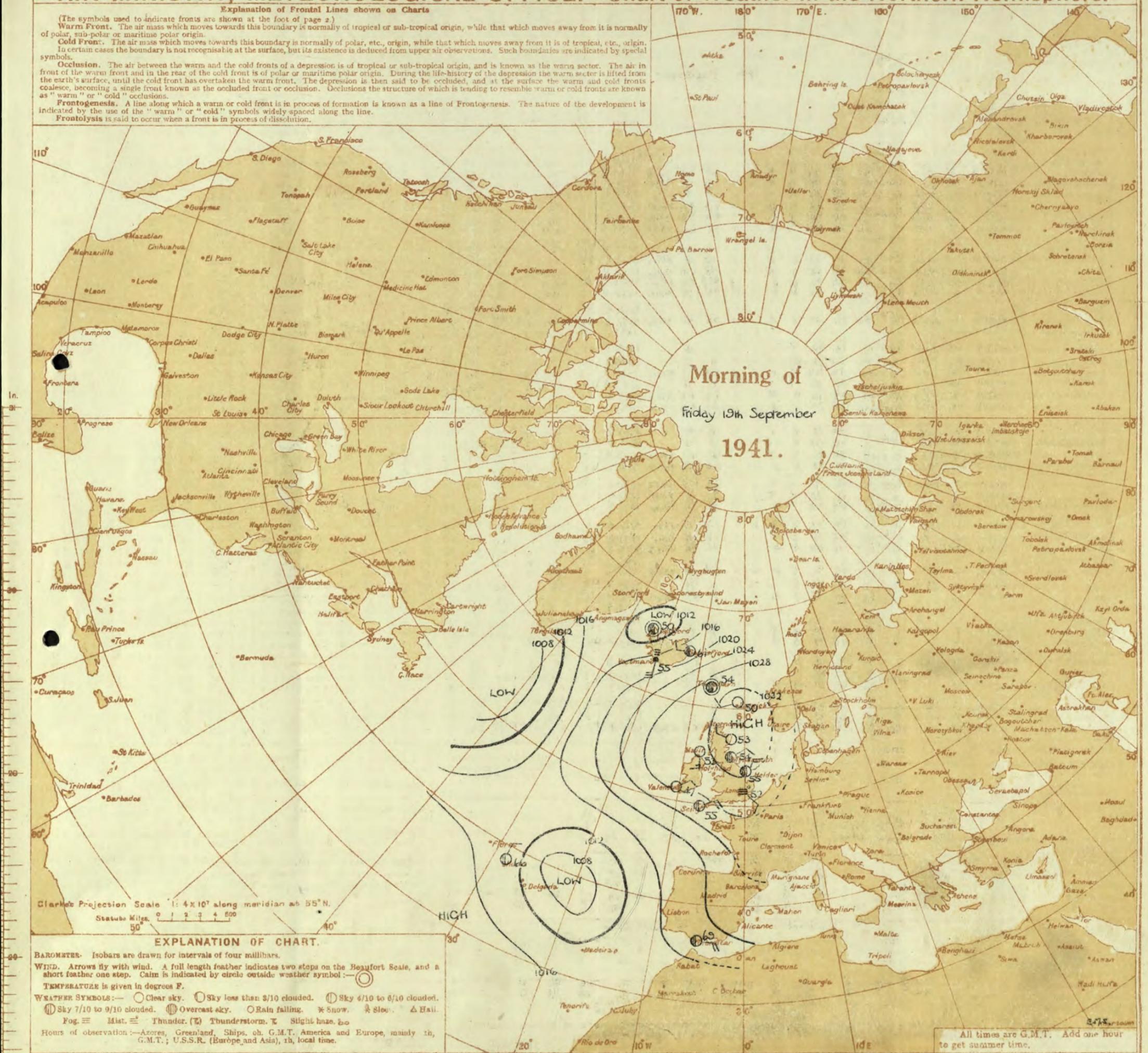
BAROMETRE. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ○ Clear sky. ◐ 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. T 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.

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.

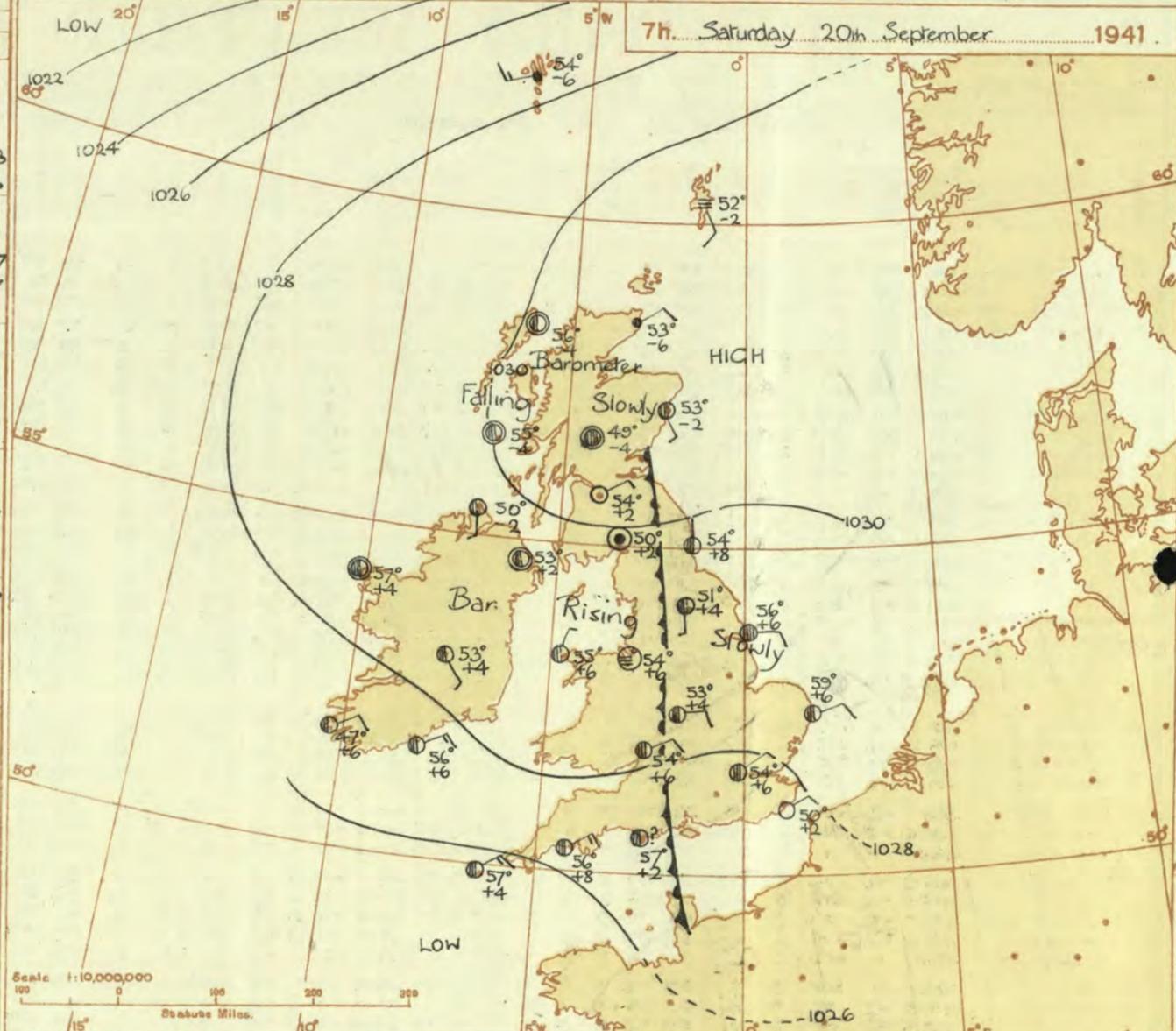
OBSERVATIONS at 13h. G.M.T. 19th September														OBSERVATIONS at 18h. G.M.T. 19th September														PAST 24 HOURS.										
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.			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.												
				Dir.	Force.					Form.	Amount.	Height of Base. (feet) (14)			Form.	Amount.					Height of Base. (feet) (28)	7h.-15h. 19th.	15h.-18h. 19th.			18h.-19th 20th.	1h.-7h. 20th.											
1	London (Kew)...	1028.1	-10	NE	2	N	58	75	6	5	2	-	9	10	1500	1027.4	-2	NE'E	2	N	58	75	6	5	3	-	7-8	2500	0	*	cid	cm	cm	cm	cm			
	Croydon ...	1027.8	-6	NNE	3	N	58	85	7	7	-	-	2-3	10	3500	1027.2	0	ENE	1	C	56	82	6	5	-	-	2	2	2000	0	*	cid	cm	cm	cm	cm		
	S. Farnborough	1028.0	-10	NE	2	N	58	85	6	5	2	-	7-8	10	1400	1027.3	+2	E'N	2	N	57	85	6	5	-	-	10	10	2000	0	*	cid	cm	cm	cm	cm		
	Boscombe Down	1028.4	-6	ENE	3	N	57	75	7	7	-	-	10	10	2300	1027.3	-2	ENE	3	N	57	85	7	7	-	-	10	10	3000	0	*	cid	cm	cm	cm	cm		
	Thorney Island	1027.5	-6	NE'E	3	N	60	75	6	7	-	-	2	2	2000	1027.0	+2	E'N	2	N	58	85	7	7	-	-	2	2	1900	0	*	cid	cm	cm	cm	cm		
	Lympne ...	1028.0	+2	ENE	2	N	57	85	6	5	-	-	-	-	10	10	2100	1027.2	+2	NE	2	N	58	85	6	5	-	-	10	10	3200	0	*	cid	cm	cm	cm	cm
Manston ...	1028.2	-6	ESE	1	N	56	85	6	5	-	-	-	-	10	10	1000	1027.4	0	ENE	1	N	56	85	6	5	-	-	4-6	10	1200	0	*	cid	cm	cm	cm	cm	
2	Shoeburyness ...	1028.3	-8	ENE	4	C	61	85	7	8	-	-	4-6	7-8	2500	1027.5	+4	E'N	3	C	57	85	8	5	-	-	2	2	2500	0	*	cid	cm	cm	cm	cm		
	Felixstowe ...	1028.2	-6	NE'E	3	bc	62	75	8	2	4	-	-	2-3	2-3	1900	1027.5	-2	ENE	3	bc	57	85	8	8	-	-	Tr	Tr	1500	0	2	cid	cm	cm	cm	cm	
	Gorleston ...	1028.3	-4	NE'N	2	bc	56	75	7	2	-	-	-	-	4-6	4-6	2000	1028.4	-2	ENE	4	bc	56	85	7	8	3	-	4-6	7-8	2000	0	3	cid	cm	cm	cm	cm
	Mildenhall ...	1028.7	-10	NE'N	3	bc	60	85	8	8	7	-	-	-	7-8	10	2000	1027.9	-2	NE	2	bc	57	87	8	5	-	-	10	10	3000	0	*	cid	cm	cm	cm	cm
	Cranwell ...	1028.8	-6	E'S	3	C	57	85	8	5	-	-	-	-	10	10	2000	1028.8	-6	NE	2	C	56	85	8	5	-	-	10	10	2200	0	*	cid	cm	cm	cm	cm
3	Birmingham	1028.8	-4	E	3	0	54	85	5	5	-	-	-	-	10	10	800	1028.2	-8	ENE	2	N	57	75	5	5	-	-	10	10	800	1	*	cid	cm	cm	cm	cm
	Upper Heyford	1028.1	-2	ENE	2	0	55	82	8	5	-	-	-	-	10	10	1500	1027.9	-2	NE	3	N	56	82	6	5	-	-	10	10	2000	1	*	cid	cm	cm	cm	cm
4	Ross-on-Wye ...	1028.8	-8	ENE	3	0	55	85	7	5	-	-	-	-	10	10	1500	1027.7	-6	NE'E	5	N	55	85	7	5	-	-	10	10	2500	0	*	cid	cm	cm	cm	cm
5	Hartland Point	1026.8	-8	ENE	4	0	57	75	7	5	7	-	-	4-6	3	1500	1025.8	-6	E	4	C	58	75	7	5	6	-	7-8	200	0	3	bc	bc	bc	bc	bc		
	Bristol ...	1028.5	-8	NE'E	3	bc	57	75	7	5	-	-	-	-	7-8	10	2000	1027.5	-4	NNE	2	N	57	85	6	5	7	-	4-6	10	2500	0	*	cid	cm	cm	cm	cm
	Portland Bill ...	1026.6	-8	ENE	4	0	59	85	7	5	-	-	-	-	10	10	2500	1026.0	-4	E	4	C	58	82	7	5	-	-	10	10	2500	0	4	bc	bc	bc	bc	bc
	Plymouth ...	1027.1	-2	E	4	0	59	75	6	5	-	-	-	-	10	10	2000	1028.0	-4	E	3	C	59	75	7	5	-	-	2	2	2500	0	4	bc	bc	bc	bc	bc
	The Lizard ...	1025.5	-10	E	5	0	60	85	6	8	2	-	-	-	7-8	2	1000	1025.0	-6	E'N	5	C	57	85	6	8	2	-	7-8	1500	0	3	bc	bc	bc	bc	bc	
	Scilly (St. Mary's)	1025.8	-6	E'N	4	0	64	75	7	8	-	-	-	-	2	2	1400	1024.8	-6	E'N	4	C	58	87	7	8	-	-	2	2	1400	0	4	bc	bc	bc	bc	bc
Guernsey ...	1028.2	-4	E'N	4	0	57	75	7	2	6	-	-	-	4-6	4-6	2500	1027.0	-6	ENE	3	C	56	85	7	8	-	-	2	2	2500	0	3	bc	bc	bc	bc	bc	
6	Pembroke ...	1028.4	-6	NNE	2	0	64	65	6	1	-	-	-	-	1	1	2500	1028.1	-4	NNE	2	N	58	85	6	5	3	-	2-3	2-3	2500	0	1	bc	bc	bc	bc	bc
	Holyhead (Valley)	1028.4	-6	NNE	2	0	64	65	6	1	-	-	-	-	1	1	2500	1028.1	-4	NNE	2	N	58	85	6	5	3	-	2-3	2-3	2500	0	1	bc	bc	bc	bc	bc
7	Chester (Sealand)	1030.2	-10	E'S	1	0	58	75	6	5	-	-	-	-	10	10	1200	1028.5	-6	-	0	N	59	75	6	5	-	-	2	2	3000	0	*	cid	cm	cm	cm	cm
8	Manchester ...	1030.1	-10	E	1	0	58	75	6	5	-	-	-	-	2	2	2700	1028.6	-4	W	1	N	59	85	6	5	-	-	2	2	3000	0	*	cid	cm	cm	cm	cm
10	Spurn Head ...	1030.1	-2	NE'N	3	0	58	75	7	5	-	-	-	-	10	10	4000	1028.8	-2	NNE	3	0	56	85	7	5	2	-	10	10	4000	0	2	bc	bc	bc	bc	bc
	Catterick ...	1030.4	-12	ENE	2	bc	64	65	7	3	-	-	-	-	4-6	4-6	2000	1028.4	-6	-	0	bc	56	85	7	5	-	-	7-8	7-8	1500	0	*	cid	cm	cm	cm	cm
	Tynemouth ...	1031.5	-8	N	3	0	57	85	7	2	-	-	-	-	7-8	7-8	3000	1029.4	-8	N	4	C	56	82	7	8	-	-	2	2	3000	1	2	bc	bc	bc	bc	bc
11	St. Abbs Head	1031.3	-4	NW	2	0	56	82	8	5	4	-	-	7-8	2	2500	1029.8	-8	N	2	C	55	82	8	5	4	-	4-6	7-8	800	0	1	bc	bc	bc	bc	bc	
	Leuchars ...	1032.3	-4	ENE	3	0	60	85	8	5	-	-	-	-	10	10	5000	1030.6	-10	ENE	2	bc	59	85	8	5	4	3	-	1	1	4500	0	*	cid	cm	cm	cm
12	Rearfoot (Abbots L.)	1031.7	-8	E'N	3	0	62	75	5	7	-	-	-	-	7-8	2	4500	1030.4	-6	E	3	N	60	75	6	5	-	-	2	2	3500	0	*	cid	cm	cm	cm	cm
	Eskdalemuir ...	1031.6	-2	NE	2	0	58	87	8	8	-	-	-	-	2	2	1500	1029.2	-2	NE'N	2	N	57	85	8	5	-	-	2	2	2500	0	*	cid	cm	cm	cm	cm
Point of Ayre ...	1031.0	0	SE'S	2	0	62	75	7	5	-	-	-	-	2	2	3000	1029.1	-10	N	1	bc	58	85	8	5	4	-	4-6	4-6	4000	0	1	bc	bc	bc	bc	bc	
13	Three ...	1031.5	0	SSE	3	0	59	75	7	5	-	-	-	-	2	2	3500	1031.1	-4	SE'S	1	bc	58	85	7	5	3	-	2-3	4-6	2800	0	3	bc	bc	bc	bc	bc
	Stornoway ...	1031.3	-2	SE	3	0	60	75	8	1	4	-	-	-	Tr	1	3500	1030.8	-4	-	0	bc	60	75	5	5	-	-	4-6	3	3500	0	1	bc	bc	bc	bc	bc
14	Dalwhinnie ...	1032.3	-2	SE	2	0	59	85	8	5	-	-	-	-	10	10	2500	1032.5	-6	-	0	bc	55	85	8	5	-	-	10	10	4000	0	*	cid	cm	cm	cm	cm
15	Aberdeen ...	1032.8	-4	NE	2	0	61	75	8	5	-	-	-	-	4-6	10	4500	1031.6	-10	N'E	2	bc	57	85	8	5	3	-	2-3	2-3	4000	0	2	bc	bc	bc	bc	bc
	Wick ...	1033.4	-2	S	1	0	61	75	9	5	-	-	-	-	10	10	4000	1032.4	-6	E	1	C	57	85	9	5	-	-	2	2	5000	0	*	cid	cm	cm	cm	cm
16	Sumburgh ...	1033.7	+2	SW	1</																																	

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 12th September 18h. G.M.T.				01h. G.M.T. 20th September 07h. G.M.T.								
III	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN
109	5-	02867	16127	5-	02867	00027	5-	02856	00025	5-	05638	14228
115	54	01951	20113	52	02944	20127	53	02944	08227	53	02944	12227
203				5-	02947	08327	5-	02948	08328			
206	5-	02978	08228	5-	02968	06228	5-	01864	06224	52	52745	00058
210	7-	02978	09228	5-	02967	05227	5-	02858	00028	5-	02858	00058
220				73	05754	13216				57	02853	00017
230	5-	02967	08117	5-	02967	12127	5-	02867	00047	5-	02867	00027
245	7-	02987	04327	74	01862	03314	5-	52548	04358	53	02746	00057
260	52	05675	04128	53	01764	04125	5-	21644	08167	5-	05625	30257
278	5-	02756	15226	54	01864	28314	5-	02868	10218	5-	02775	14125
279	80	02865	09225	8-	02976	06226	50	05663	00013	53	08464	12144
285				50	01854	02214				5-	03748	10228
288	5-	05657	02327	8-	05646	02216	5-	57348	00058	5-	02754	12158
578	4-	05847	10127	43	05754	10117	00	05690	10200	5-	05657	08127
8015-	05653	09325	5-	05667	30227	5-	05564	05214	5-	05668	14228	
321				5-	05658	00028	5-	05658	00028			
299				5-	05648	30328	5-	02748	16228	5-	02847	16227
29216	01855	07215	50	01785	04115	5-	02748	06128	5-	02658	00028	
310	--	01638	04428	--	01646	04516				--	02648	04328
614	5-	05644	06228	5-	02767	06227	5-	21548	04158	5-	05668	04158
333	5-	02855	04315	5-	02758	08228	5-	05658	08228	52	02765	08228
334	--	02646	04228	--	05447	06228				--	03436	04128
3405-	02758	07228	5-	05667	32127	5-	08458	06228	5-	51658	04128	
136	5-	51748	02258	5-	21857	05257	5-	02758	04158	5-	05657	06157
336	51	02763	04328				51	02763	12328			
3508-	02748	02458	5-	05648	02268	5-	22658	04268	5-	05647	02227	
308				5-	05667	04327				5-	05648	07328
379	57	02756	05328	52	02757	06328	5-	51528	04158	5-	02748	04128
390	5-	05644	06258	5-	02757	04227	5-	05648	06228	5-	05658	06128
882	5-	02848	02328	5-	05658	04128	5-	21658	04158	5-	05658	02228
436	5-	03748	04328				8-	02637	02427			
430				5-	02755	04228	5-	05668	04328	5-	05667	06327
409	50	05665	06315	5-	05667	07227	51	05656	07328	57	05663	06228

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C, C_u = 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, 20th September
1 S.E. England	Light easterly wind; cloudy at first, bright periods later. Rather cool.
2 E. England ...	Light easterly wind; mainly cloudy. Rather cool.
3 E. Midlands ...	Light easterly wind; cloudy with slight local drizzle at first, fair later: rather cool.
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	Light easterly wind; fair: rather cool.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	As 3-4
10 N.E. England	As 2
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Light east to southeast wind. Fair; average temperature.
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	As 3-4
15 N. E. Scotland	
16 Orkneys and Shetlands	Light variable wind. Fair; average temperature.
17 N. W. Ireland	As 12-13B
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
 = Cold Front on the Surface
 = Cold Front above the ground
 = 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 large anticyclone centred off Northeast Scotland covers the British Isles. Weather will be mainly cloudy but there will be local breaks in the West and extreme South and perhaps some extensive clearances in the South tonight. There will be local drizzle in the Northeast.

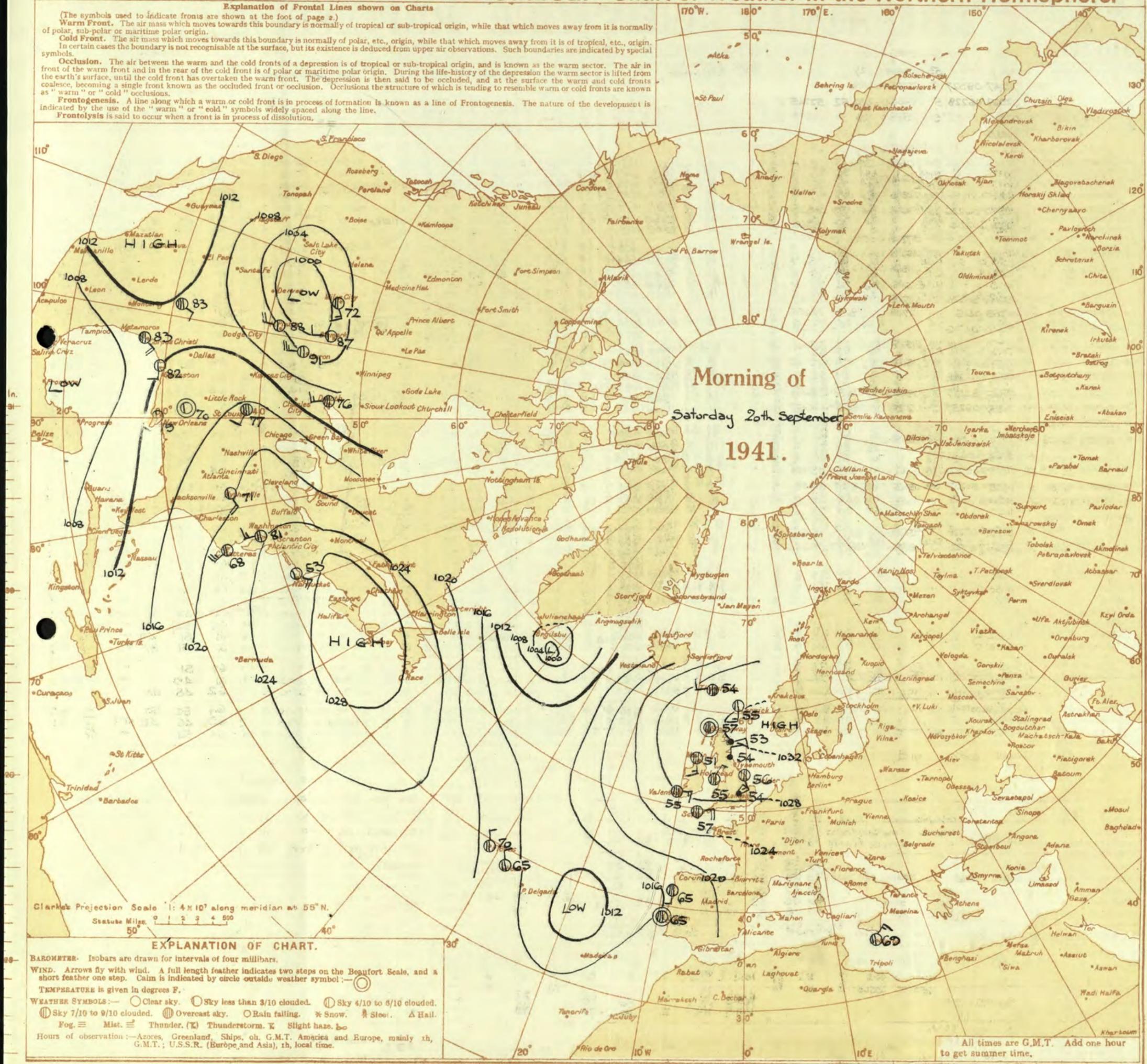
FURTHER OUTLOOK.
Fair.

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. © 289/4120. W. 5176. D. 6034. 6p. 448. 3500. 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.



Morning of
 Saturday 20th September
 1941.

Clark's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ☉ Clear sky. ☁ Sky less than 3/10 clouded. ☁☁ Sky 4/10 to 5/10 clouded. ☁☁☁ Sky 7/10 to 9/10 clouded. ☁☁☁☁ Overcast sky. ☁☁☁☁☁ Rain falling. ❄ Snow. ⚡ Hail. ☁☁☁☁☁ Fog. ☁☁☁☁☁ Mist. ☁☁☁☁☁ Thunder. ☁☁☁☁☁ 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.

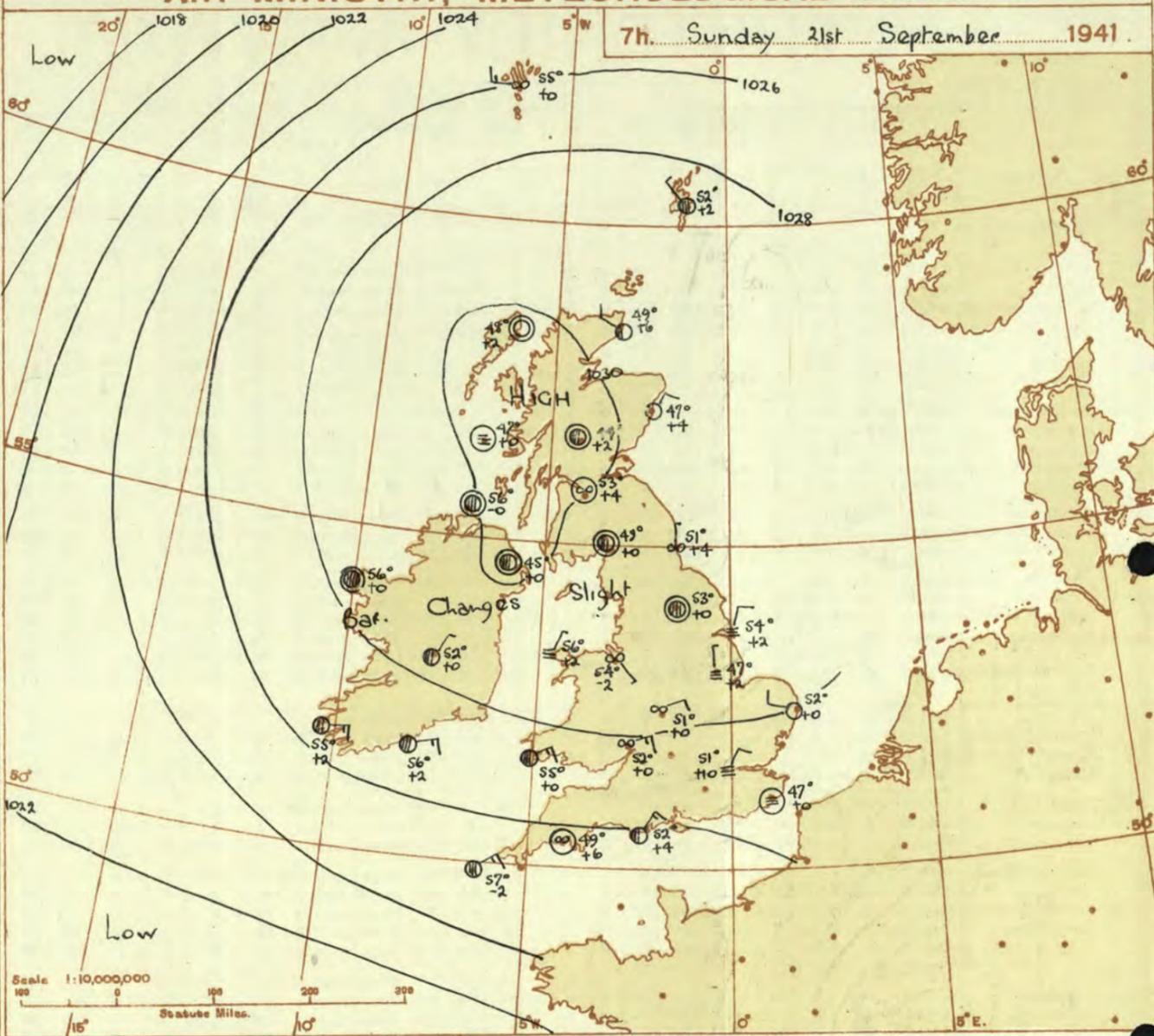
All times are G.M.T. Add one hour to get summer time.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 20th Sept			18h. G.M.T.			01h. G.M.T. 21st Sept			07h. G.M.T.		
III	C _M	wwVhN _h DDFWN									
109	8-	02847 17227	5-	03858 18128	5-	02756 22126	51	01644 24224			
115	54	01854 12225	52	02944 20227	54	02844 20225	54	02734 20325			
203			8-	02948 00028	5-	02848 16228					
206	73	02864 08125	5-	02567 00027	5-	02867 00027	53	01964 00024			
210	7-	02868 25228	5-	02967 00027	5-	02868 00028	5-	02876 22126			
220			00	05790 17100			00	05690 14100			
230	7-	02867 20127	7-	02867 20127	00	00790 00010	5-	04865 00015			
245	8-	02957 15227	50	01863 18123	5-	02767 24147	50	00963 24213			
260	5-	02868 00028	5-	02867 00027	5-	05568 00028	5-	05676 00026			
278	8-	01864 32324	7-	02876 28226	50	05661 00001	5-	02767 00017			
279	70	02756 08126	5-	02867 * *	5-	05668 10128	5-	02867 00027			
285	5-	03858 24328	5-	03748 10328							
288	5-	02767 08126	5-	02767 14127	5-	41458 00048	5-	05558 04128			
575	10	05661 14321	00	05690 00000	5-	01664 00014	5-	05667 00027			
801	5-	05558 13228	5-	05557 04227	5-	08458 04128	5-	05668 04228			
321	5-	02768 06228	5-	05644 06227	50	05554 06114	--	44209 31149			
299	5-	03848 10228	5-	05648 06228	00	05550 26100	5-	41538 32248			
292	7-	02758 00028			5-	05658 00028	5-	05567 00027			
310	--	02646 04226									
614	5-	05648 06228	5-	05667 06227	00	08490 06121	--	48105 04245			
833	5-	02868 06228	5-	02767 06227	50	05663 00023	5-	05667 03227			
334			--	03637 04128							
340	7-	02758 05228	5-	05667 05227	5-	05558 04228	00	05680 04128			
136	5-	05658 06228	50	05671 05211	00	46190 00040	5-	05638 04228			
336	13	02762 08326	51	02762 08328							
350	50	05657 06327	07	05680 02202			--	57209 04249			
368	5-	05654 06427	50	01674 04214	50	05648 05313	5-	05548 06318			
379	5-	02746 04326	5-	02756 06326	--	48109 04149	--	48209 04349			
390	5-	05558 08328	00	05690 09203	00	47290 32140	--	46009 32149			
382	5-	05657 05327	00	05690 02210	00	43390 02340	5-	41418 04248			
435	50	00741 06401					50	01533 03203			
430	50	05661 06411	40	05663 04313	00	05690 04200	00	08490 32140			
409	57	02768 06327	57	02665 15127	50	05661 04211	00	05690 04200			

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N_h = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C_M = 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. Sunday 21st September

1 S.E. England	
2 E. England ...	Light easterly wind. Fair with considerable bright periods; fog forming in many places during the night. Average temperature.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Light variable winds. Fair with considerable bright periods; some local fog towards dawn. Average temperature.
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	
13B. N.W. Scotland	Light or moderate west or southwest wind. Fair; average temperature.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	As 11-13A.
18 N. E. Ireland	
19 S. E. Ireland	Light east wind. Fair, but some local fog around dawn. 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
 = Cold Front on the surface
 = Warm Front above the ground
 = 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 covers the British Isles. Weather will be generally fair with some bright periods and with day temperature rising to the seasonal average, but with fog forming in many places during the night, more particularly in Eastern and Midland districts of England.

FURTHER OUTLOOK.

No great change.

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

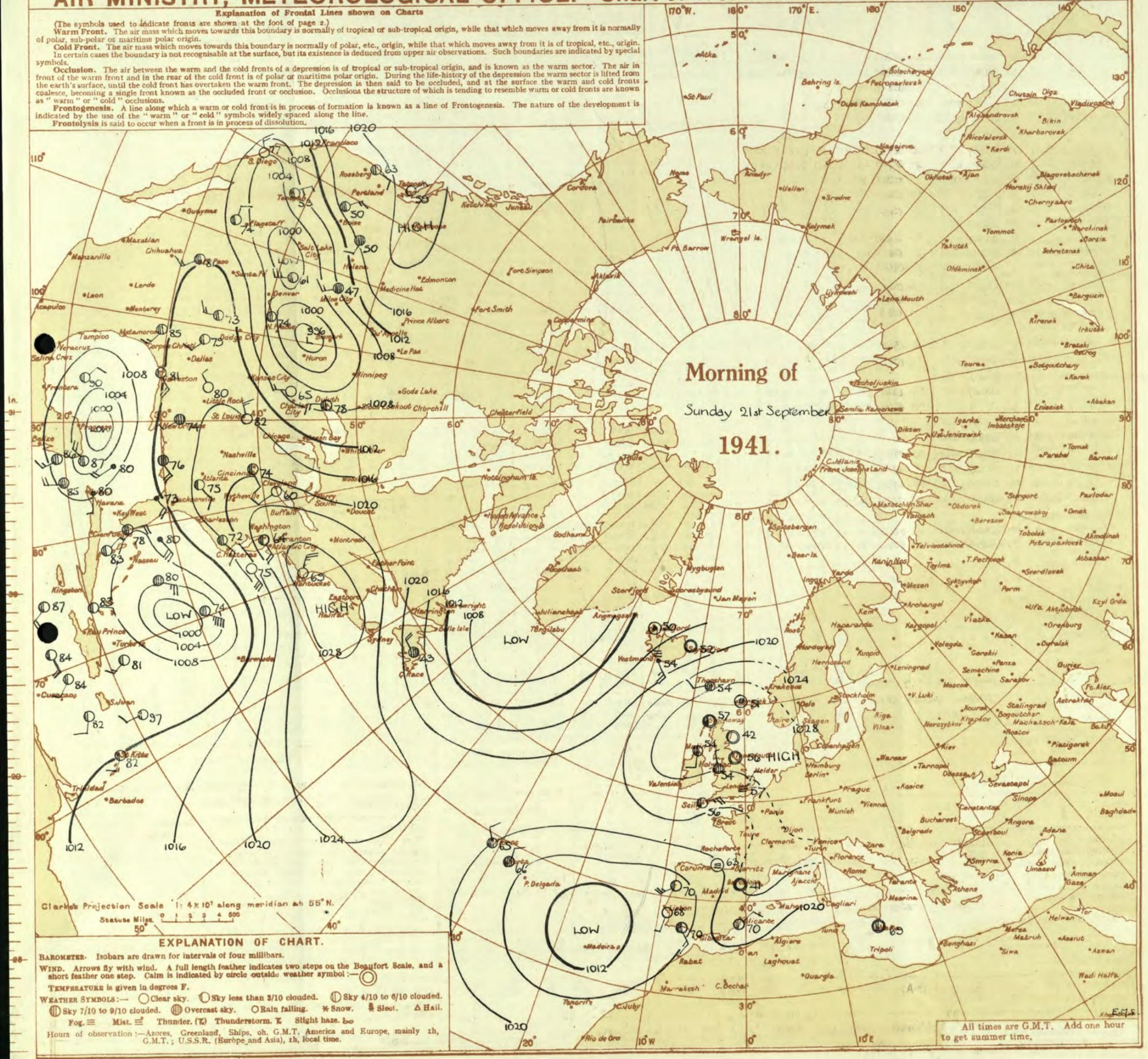
N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

9.28/4120. Pp. 9.76. D. 8034. Op. 340. 3500. 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.



Morning of
 Sunday 21st September
 1941.

Clark's Projection Scale 1: 4x10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ☉ Clear sky. ☁ Sky less than 3/10 clouded. ☂ Sky 4/10 to 6/10 clouded. ☃ Sky 7/10 to 9/10 clouded. ☄ Overcast sky. ☔ Rain falling. ❄ Snow. ❄ Sleet. ⚡ Hail.
 Fog ☁ Mist ☁ Thunder (⚡) Thunderstorm. ☁ Slight haze. ☁
 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.

Abridged observations of additional stations in the

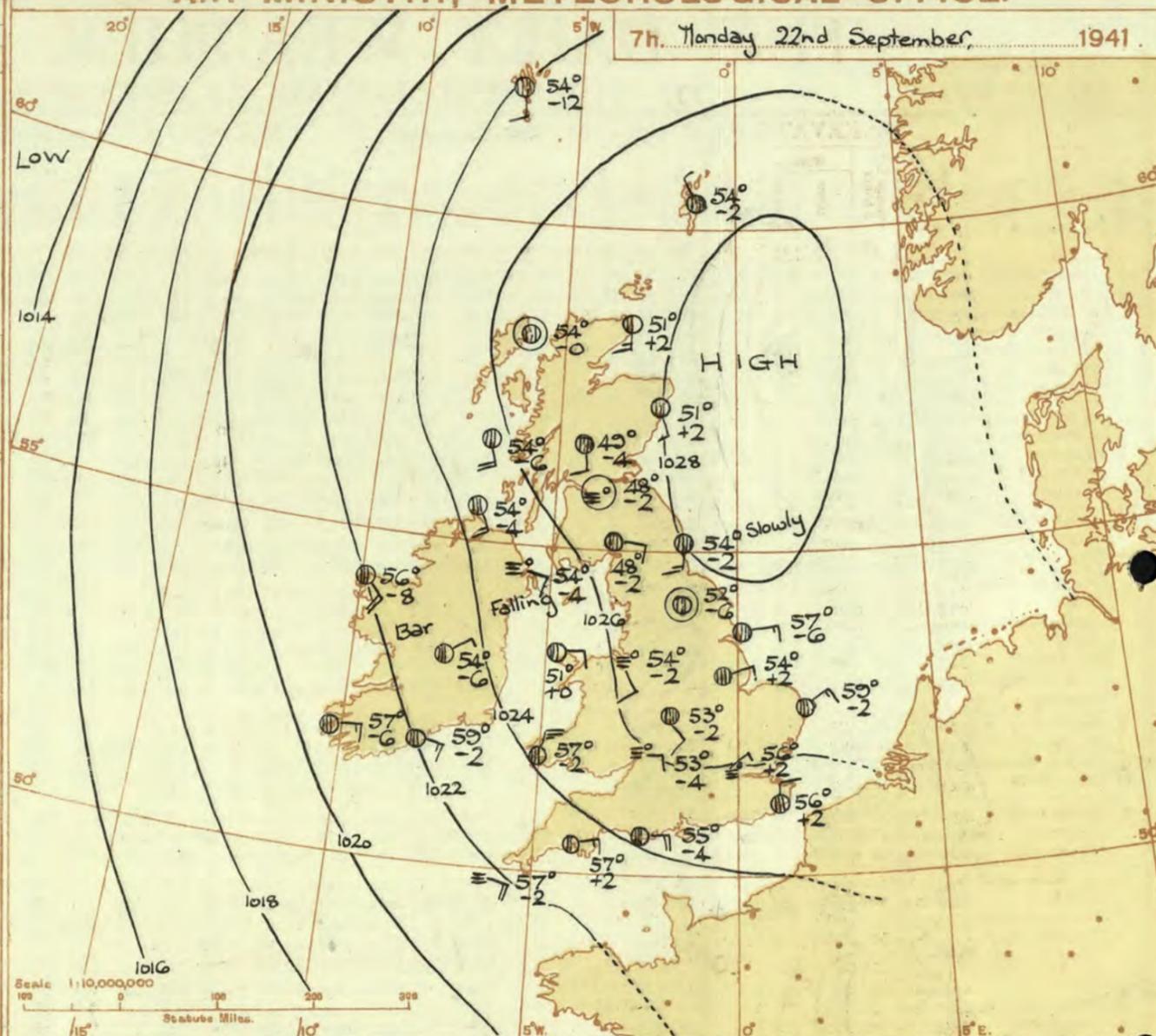
AVIATION WEATHER CODE

13h. G.M.T. 21st Sept.				18h. G.M.T.				01h. G.M.T. 22nd Sept.				07h. G.M.T.			
III	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN	C _M	wwVhN _h	DDFWN
109	50	05643	27302	53	05644	05104	5-	00643	18423	5-	05563	15328			
115	51	02734	26226	51	02734	20226	54	01844	16225	54	01844	12215			
203	00	05890	16200	00	00890	09100	00	05890	12100	52	05844	12218			
206	00	08961	08111	00	00890	08200	00	05890	32200	5-	09646	26226			
210	00	01862	32212	00	00790	08200	00	00790	00000	00	04790	06140			
220															
230	5-	02007	00027	5-	02967	00027	00	05790	00000	50	05662	00012			
245	50	01763	12213	5-	02747	06217	5-	05648	10228	5-	05648	08228			
260	4-	01865	04115	00	00790	06100	5-	05558	00008	5-	02887	12127			
278	5-	01765	30225	5-	00862	30222	00	00790	16110						
279	13	01863	02314	50	01863	08203	00	00790	04300	5-	05656	08216			
285										5-	03748	04228			
288		01764	02314	03	02790	06216	5-	08458	13128	5-	02658	09128			
575				5-	05667	07227	00	00790	08110	5-	05548	16128			
301	00	05690	08210	00	05590	08300	00	08490	08200	5-	08458	12228			
321	5-	05648	02228	5-	05648	04228	5-	41428	07248	5-	05557	07127			
290	50	05652	32222	00	43252	02142	5-	05548	02228	5-	05548	02228			
292	5-	05655	09125	5-	02767	08227	5-	05658	00028	5-	05668	04128			
310										--	46109	12349			
614	5-	05657	04227	5-	05666	06226	5-	08448	04228	5-	08448	06128			
333	00	05690	08300	00	00790	20100	5-	05658	24128	54	08652	02223			
334										--	02435	04216			
340	10	05662	10302	5-	05657	10317	5-	08438	08328	5-	05538	12228			
136	5-	05647	04327				5-	05648	06228	5-	05658	05128			
336															
350	5-	05647	02327	56	05647	02315	50	08438	04428	5-	05648	04228			
368	5-	05656	02226	5-	05657	06328	50	05547	06317	5-	05648	06328			
379	5-	05638	04348	00	05690	04200	5-	43308	06248	5-	05528	08228			
390	10	05653	06143	00	05590	09110	5-	08438	08328	5-	05538	00028			
382	5-	05628	06228	00	05690	02100	--	48109	05249	5-	05528	06228			
435	50	00771	06201							50	00651	02301			
430	50	05661	02301	50	05663	04104	50	05652	04302	00	08490	04200			
409	50	05664	12214	00	05690	14200	00	05690	06300	50	41407	11547			

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
 ww, W = Present and past weather—See M.O. 252.
 h, N_h = Height and amount of low cloud—See M.O. 252.
 N = Total amount of cloud—See M.O. 252.
 C_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.

7h. Monday 22nd September, 1941.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 22nd September, 1941
1 S.E. England	Light or moderate E. wind. Fair or fine during day; Local fog in early morning; average temperature.
2 E. England ...	Light or moderate E. wind; mainly cloudy but some bright intervals during the day in South of area; rather cool.
3 E. Midlands ...	Light or moderate E. to S.E. wind; mainly cloudy but some bright intervals during day; average temperature.
4 W. Midlands ...	
5 S.W. England	Light or moderate E. to S.E. wind; fair or fine; average temperature.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Light S.E. or variable wind; mainly dull, rather cool.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	As 5-8.
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	Light S.E. to S. wind; mainly cloudy, temperature rather below average.
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	As 5-8.
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
 An anticyclone centred off East Scotland is decreasing in intensity and moving N.E. and a depression off Portugal is likely to move N.N.E. and eventually affect the British Isles. No great change is expected in the next 24 hours and weather will continue fair generally though there will be considerable cloud in the N.E. half of the country. A deterioration may commence in the S.W. tomorrow and spread very slowly N.E.

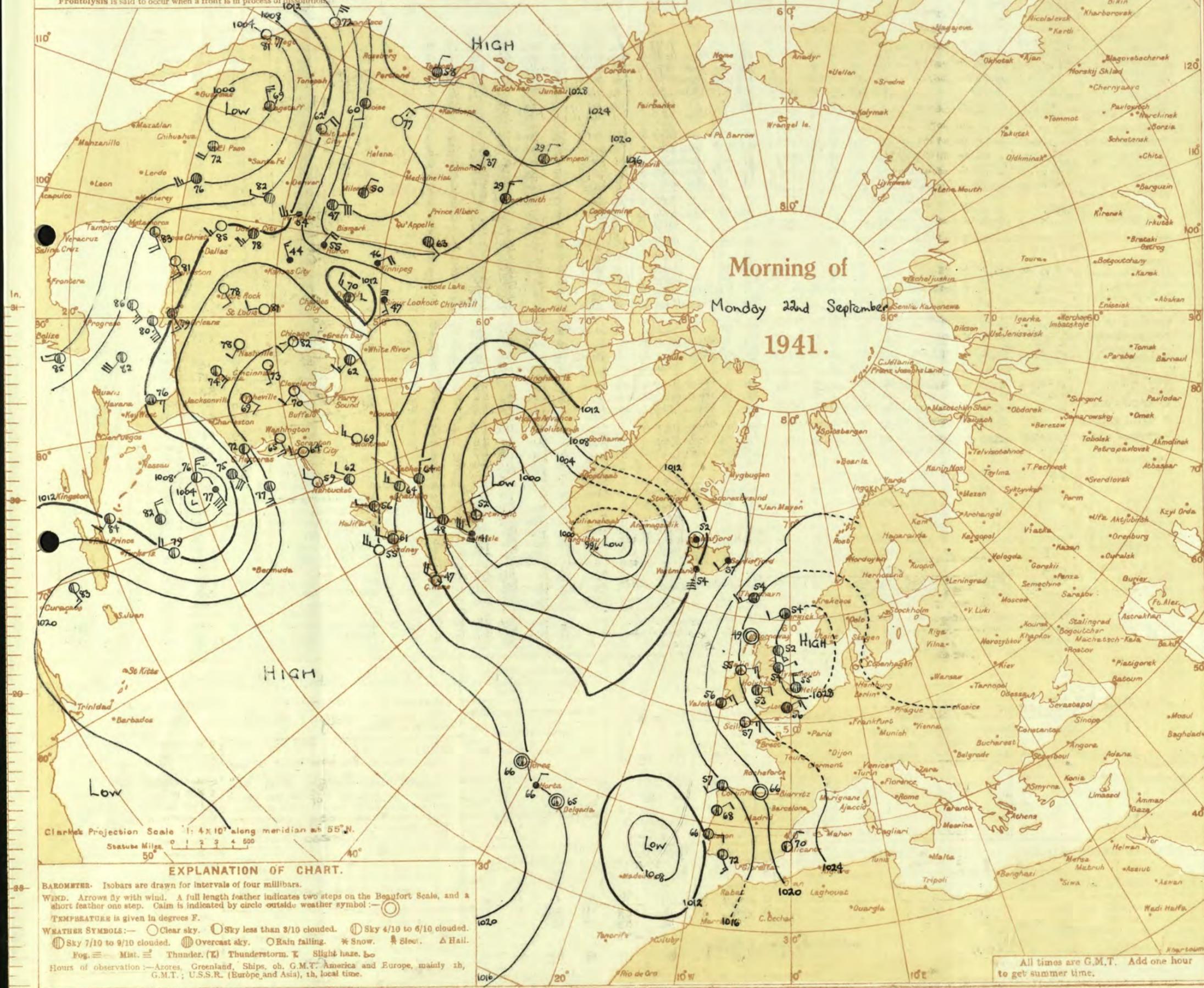
FURTHER OUTLOOK.
 Mainly similar but weather becoming less settled in the Southwest.

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. © 269/420. No. 9176. G. 6034. 8p. 348. 9/00. 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.



Morning of
 Monday 22nd September
 1941.

Clarke's Projection Scale 1:4x10⁷ along meridian at 55°N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol: — ○
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: — ○ Clear sky. ○ Sky less than 3/10 clouded. ⊙ Sky 4/10 to 6/10 clouded. ⊕ Sky 7/10 to 9/10 clouded. ⊖ Overcast sky. ○ Rain falling. * Snow. † Sleet. △ Hail. Fog. ≡ Mist. ≡ Thunder. (⊕) Thunderstorm. ⊕ Slight haze. ⊕
 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.

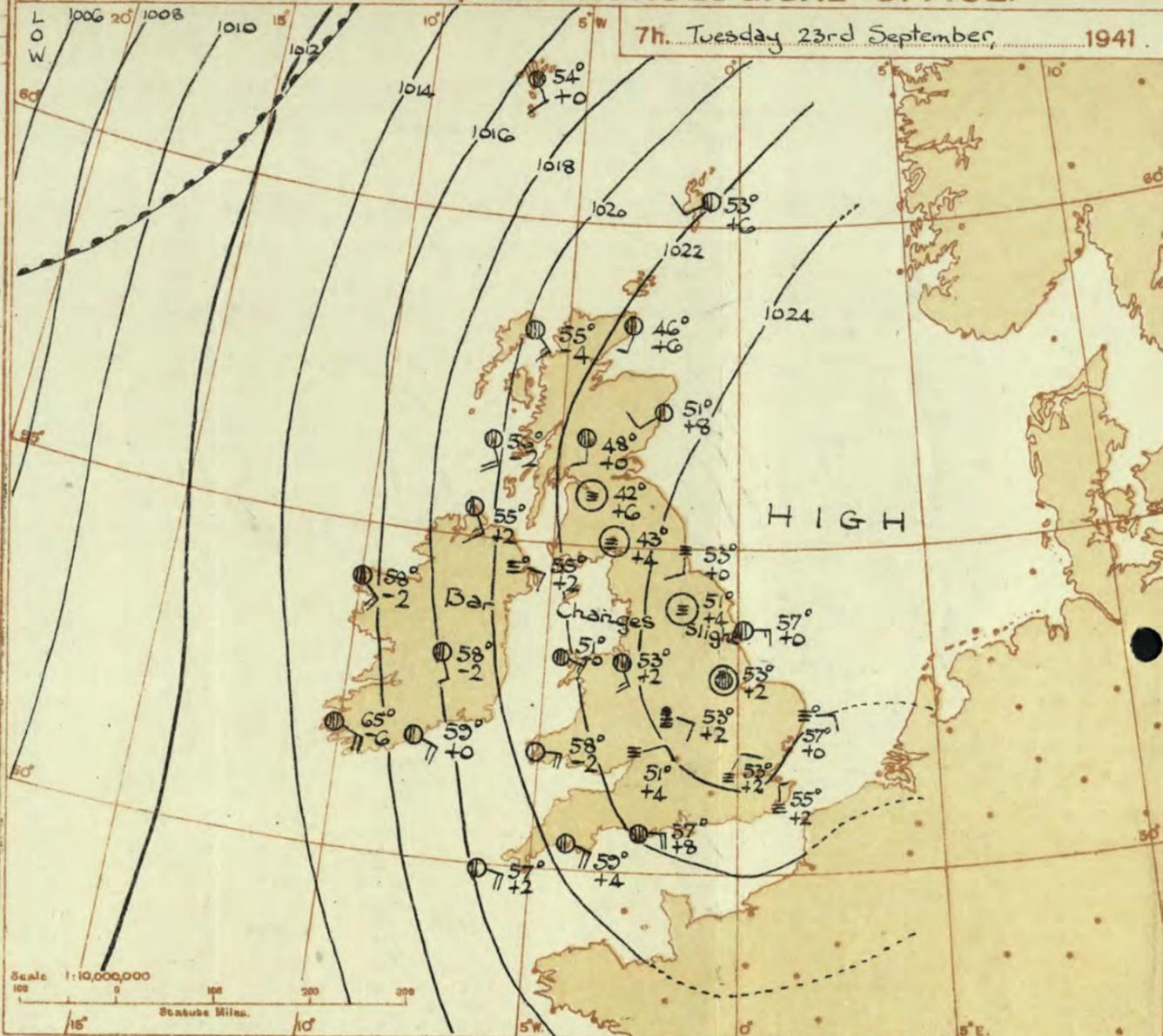
All times are G.M.T. Add one hour to get summer time.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 22nd September 18h. G.M.T.				01h. G.M.T. 23rd September 07h. G.M.T.					
III	C ₁	wwVhN ₁	DDFWN ₁	C ₂	wwVhN ₂	DDFWN ₂	C ₃	wwVhN ₃	DDFWN ₃
109	5	05657	12427	5	03748	12428	5	03758	16228
115	84	02844	12228	52	02744	28127	52	02844	20227
203	5	02838	16328	5	03838	16326	5	01844	16324
206	5	02757	08328	5	02765	20125	00	00790	00000
210	5	02867	11427	54	00761	12101	00	05590	18210
220	52	05754	16428	52	05754	17428			
230	5	05766	14226	5	05647	10127			
246	5	03758	14328	5	05657	18327	5	05655	00025
260	5	05658	00028	5	02767	12127	00	08490	00010
275	5	02548	12428	00	02690	12200	50	05653	10313
279	5	05667	11227	00	05590	04110	00	05590	04100
285	5	03748	12428	50	11745	10415			
288	5	02748	11328	5	05665	12227	50	41453	17143
575	03	05590	08325	53	05667	12117	5	05588	08218
301	5	05554	15324	00	05590	13300	5	08546	12216
321	5	05658	08228	5	05667	08227	5	08448	00028
299				5	05547	08227	5	08447	10228
292	5	08657	10227	5	05656	09226	5	05658	07128
310	--	01645	16415	--	01645	12515	--	46109	08349
614	5	05647	06227	53	05662	06124	--	46109	08149
333				00	00790	16100	00	04590	14200
334	--	03537	04128	--	05462	32204	--	04209	00028
340	5	05648	12328				5	47345	12125
136	5	05657	09327	5	05647	06327	5	08428	10328
336	13	02763	12428	51	05552	12328	--	46309	16249
360				--	48109	06249	--	57209	04249
368				00	08490	06200			
379	50	01743	04328	03	05690	06303	--	48109	00049
390	5	05555	08355	00	05590	08100	5	45128	08158
382	10	05641	05211	53	05681	04302	--	48109	00049
438	50	01653	02213				50	04623	02343
430	40	05661	12301	00	05690	08100	00	45390	00040
409	00	05690	12400	00	05690	13300	50	05641	10501

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, N₁ - Height and amount of low cloud—See M.O. 252.
N - Total amount of cloud—See M.O. 252.
C, C₁ - 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 23rd September, 1941.

1 S.E. England	Light E. to S.E. wind; dull misty at first, bright periods this afternoon, local fog tomorrow morning; average temperature.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light or moderate S. to S.E. wind; fair or fine; average temperature.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Light or moderate S. wind; fair or fine; average temperature.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	
13B. N.W. Scotland	Moderate S. wind; fair at first, cloud increasing, slight rain later; average temperature.
14 Mid Scotland	As 9-12.
15 N. E. Scotland	
16 Orkneys and Shetlands	Light or moderate S. wind; cloudy at first, bright intervals later; average temperature.
17 N. W. Ireland	As 13A - 13B.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	Moderate S. wind; fair but increasing cloud; average temperature.

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 to the east and low to the west of the British Isles and a general fall of pressure is in progress. Weather will be dull and misty over a large part of England at first, but there will be considerable bright periods in all districts later. Some rain will spread from the Atlantic into western districts of Scotland and Ireland in the latter part of the period. Temperatures will be about normal.

FURTHER OUTLOOK.

Mainly fair but occasional rain in the Northwest.

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

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

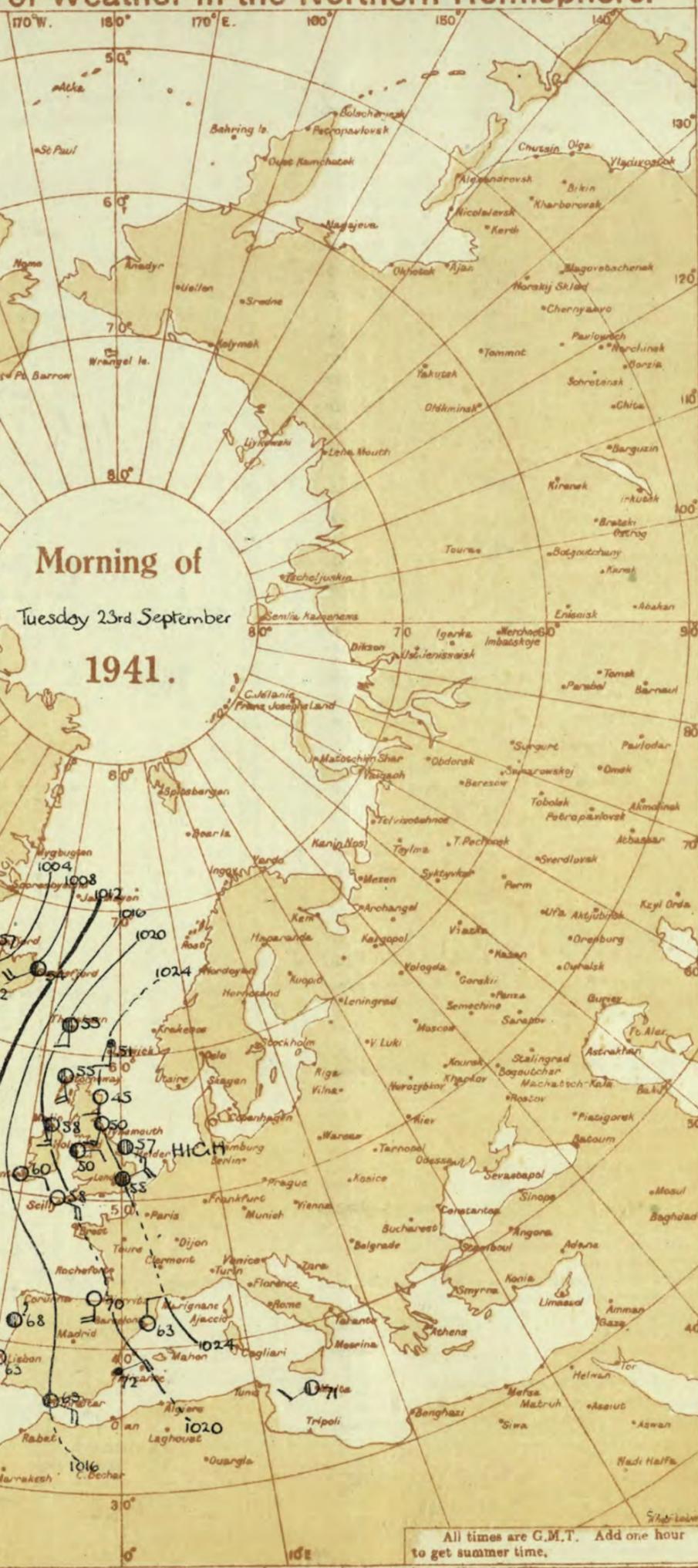
H.M.S.O. Press, Meteorological Office, Dunstable.

9.289/4120. No. 9/75. 0.6034. Op. 548 0000 0/91

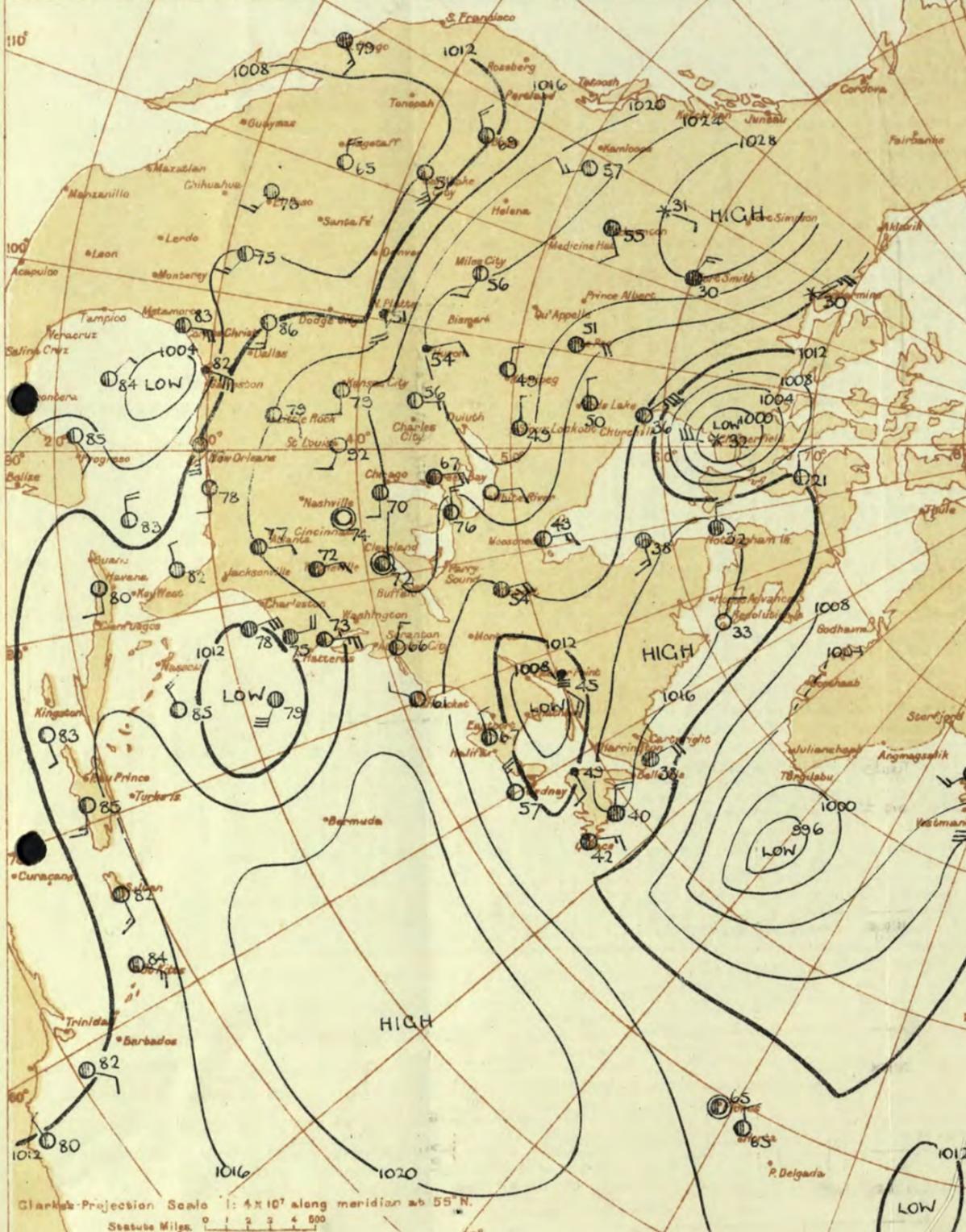
AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Explanation of Frontal Lines shown on Charts

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



Morning of
 Tuesday 23rd September
 1941.



Clark's Projection Scale 1:4x10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
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 Fog ≡ Mist ≡ Thunder. (T) Thunderstorm. E 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.

SECRET

BRITISH SECTION
Wednesday, 24th September 1941.
No. 29161

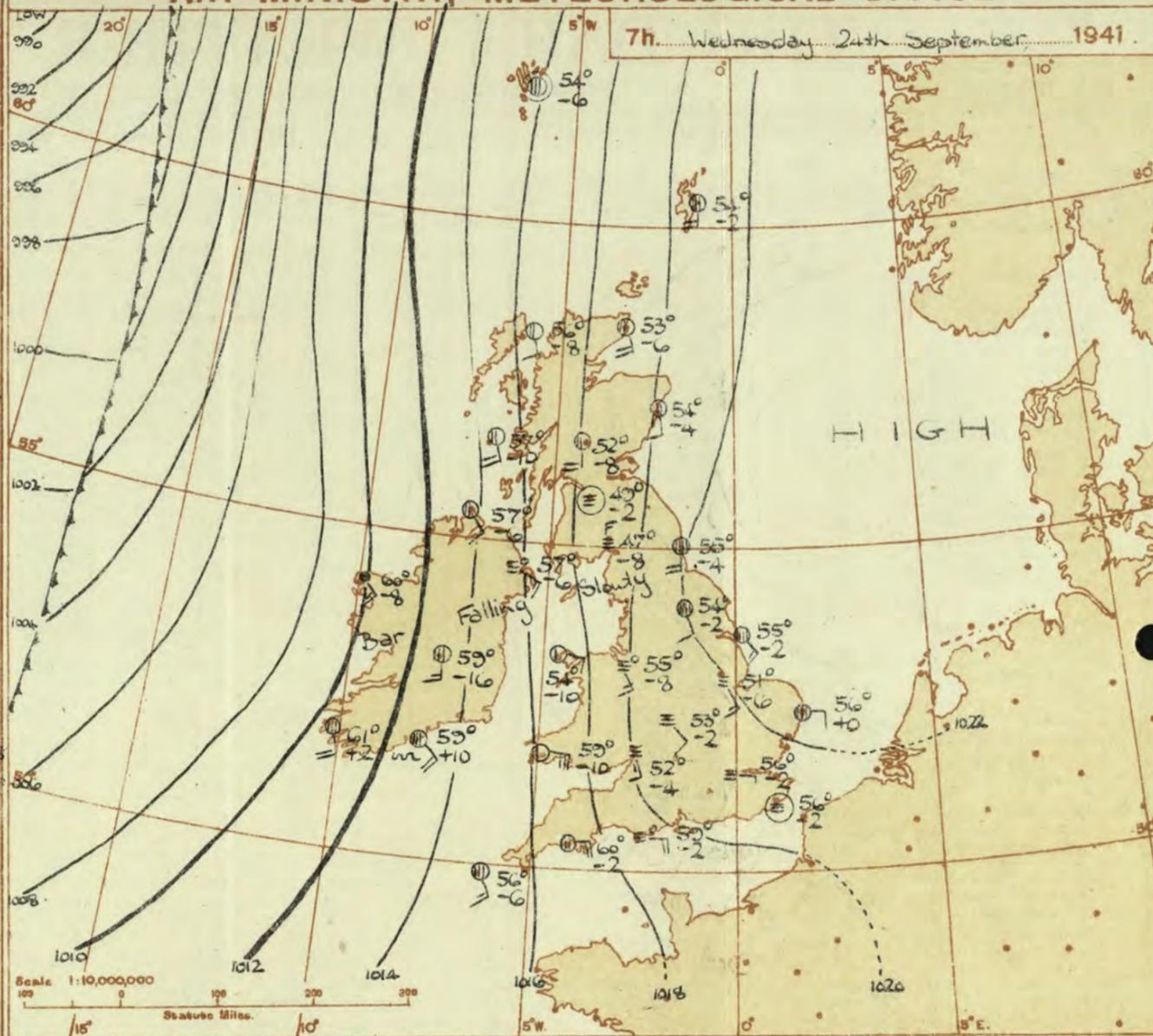
OBSERVATIONS at 13h. G.M.T. 23rd September														OBSERVATIONS at 18h. G.M.T. 23rd September														PAST 24 HOURS.									
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			State of Ground.	Sea.	WEATHER.											
				Dirac.	Force.					Form.	Amount.	Height of Base. (feet)			Form.	Amount.					Height of Base. (feet)	Form.	Amount.			Height of Base. (feet)	7h.—13h. 23rd	13h.—18h. 23rd	18h.—24h. 23rd	1h.—7h. 24th							
(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)...	1023.6	-0.6	Z	3	3	66	75	4	-	-	-	-	1022.4	-2	M	2	3	61	85	4	-	-	-	-	-	-	0	0	0	0	0	0	0	0		
	Croydon ...	1023.8	-0.2	Z	2	3	66	85	4	-	-	-	-	1022.4	-6	M	2	2	60	92	4	-	-	-	-	-	-	0	0	0	0	0	0	0	0		
	S. Farnborough	1022.9	-0.9	M	2	2	65	75	4	-	-	-	-	1021.9	+2	M	2	2	62	85	4	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	
	Boscombe Down	1022.7	-0.3	M	2	2	64	75	4	-	-	-	-	1021.7	-2	M	2	2	63	75	4	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0
	Thorney Island	1022.8	-0.8	M	2	2	65	75	4	-	-	-	-	1021.1	-6	M	2	2	66	75	4	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0
	Lympne ...	1023.2	-0.2	M	2	2	67	75	4	-	-	-	-	1022.4	+2	M	2	2	67	87	2	3	2	2	2	2	2	100	0	0	0	0	0	0	0	0	
	Manston ...	1023.6	-0.4	M	2	2	67	85	5	-	-	-	-	1022.9	-8	M	2	2	67	87	3	5	-	-	-	-	10	10	1500	0	0	0	0	0	0	0	
2	Shoeburyness ...	1023.0	-0.4	M	2	2	61	85	5	-	-	-	-	1022.9	+2	M	2	2	58	92	4	5	-	-	-	-	10	10	450	0	0	0	0	0	0	0	
	Felixstowe ...	1023.8	-0.8	M	2	2	61	85	5	-	-	-	-	1023.2	-2	M	2	2	58	92	5	5	-	-	-	-	10	10	800	0	0	0	0	0	0	0	
	Gorleston ...	1025.1	-0.1	M	2	2	60	75	5	-	-	-	-	1024.6	0	M	2	2	57	85	5	5	-	-	-	-	10	10	500	0	0	0	0	0	0	0	
	Mildenhall ...	1023.9	-0.9	M	2	2	63	85	5	-	-	-	-	1023.0	-2	M	2	2	60	87	5	5	-	-	-	-	10	10	500	0	0	0	0	0	0	0	0
	Cranwell ...	1024.2	-0.2	M	2	2	63	85	5	-	-	-	-	1023.4	-2	M	2	2	58	87	4	5	-	-	-	-	10	10	2500	0	0	0	0	0	0	0	0
3	Birmingham	1024.2	-2	M	2	3	55	92	4	5	-	-	-	1022.6	-6	M	2	3	59	85	4	1	-	-	-	-	2-3	2-3	2500	0	0	0	0	0	0	0	
4	Upper Heyford	1028.3	-1.0	Z	3	3	56	85	5	-	-	-	-	1022.7	0	M	2	3	58	85	5	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	
	Ross-on-Wye ...	1023.1	-0.8	Z	2	2	58	85	5	-	-	-	-	1021.8	-6	M	2	3	59	85	5	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0
5	Hartland Point	1019.4	-2	M	3	4	63	75	7	-	-	-	-	1019.1	-2	M	3	5	62	85	7	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0
	Bristol ...	1022.8	-1.2	M	3	4	63	75	7	-	-	-	-	1023.4	-2	M	3	5	63	85	7	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0
	Portland Bill ...	1021.6	-0.4	M	3	4	63	75	7	-	-	-	-	1023.1	-2	M	3	5	60	85	7	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0
	Plymouth ...	1020.6	-0.2	M	3	4	63	85	5	-	-	-	-	1020.1	-0.5	M	3	5	60	85	5	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0
	The Lizard ...	1020.2	-0.2	M	3	4	63	85	5	-	-	-	-	1019.1	-1.1	M	3	5	57	87	1	5	-	-	-	-	10	10	200	0	0	0	0	0	0	0	
	Scilly (St. Mary's)	1018.8	-2	M	3	4	60	87	2	-	-	-	-	1018.3	-0.5	M	3	5	57	87	1	-	-	-	-	-	10	10	150	0	0	0	0	0	0	0	0
	Guernsey ...	1020.4	-2	M	3	4	63	85	5	-	-	-	-	1019.9	0	M	3	5	61	87	6	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	
6	Pembroke ...	1020.4	-2	M	3	4	63	85	5	-	-	-	-	1019.7	-0.7	M	3	5	65	75	4	7	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0
7	Holyhead (Valley)	1020.7	-2	M	3	4	63	85	5	-	-	-	-	1021.7	-1.0	M	3	5	58	85	4	7	-	-	-	-	1	1	1500	0	0	0	0	0	0	0	
	Chester (Sealand)	1023.1	-1.0	M	3	4	63	85	5	-	-	-	-	1021.7	-1.4	M	3	5	58	85	4	7	-	-	-	-	1	1	1500	0	0	0	0	0	0	0	0
8	Manchester ...	1023.5	-1.0	M	3	4	66	85	6	-	-	-	-	1022.4	-1.1	M	3	5	63	85	5	5	-	-	-	-	2-3	2-3	3000	0	0	0	0	0	0	0	0
10	Spurn Head ...	1024.6	-2	M	3	4	58	87	6	4	2	-	-	1024.0	-0.6	M	3	4	58	87	6	5	-	-	-	-	9	10	2500	0	0	0	0	0	0	0	
	Catterick ...	1024.4	-0.2	M	3	4	62	87	6	4	2	-	-	1023.6	-0.8	M	3	4	60	85	5	5	-	-	-	-	7-8	7-8	1500	0	0	0	0	0	0	0	
	Tynemouth ...	1025.3	-2	M	3	4	57	92	5	5	2	-	-	1024.3	-1.0	M	3	4	59	92	5	8	-	-	-	-	7-8	7-8	2400	0	0	0	0	0	0	0	
11	St. Abbs Head	1023.5	-4	M	3	4	58	75	4	4	4	-	-	1022.0	-1.5	M	3	4	55	92	6	5	-	-	-	-	7-8	10	800	0	0	0	0	0	0	0	
	Leuchars ...	1023.9	-0.4	M	3	4	60	75	4	4	4	-	-	1022.7	-0.2	M	3	4	56	92	6	5	-	-	-	-	2-3	4-6	800	0	0	0	0	0	0	0	
12	Ronfow (Abbots L.)	1022.5	-1.0	M	3	4	65	65	5	4	5	-	-	1021.5	-1.0	M	3	4	61	75	5	-	-	-	-	-	0	4-6	0	0	0	0	0	0	0	0	
	Eskdalemuir ...	1022.7	-0.4	M	3	4	62	65	5	4	5	-	-	1022.0	-0.7	M	3	4	58	75	5	-	-	-	-	-	0	4-6	0	0	0	0	0	0	0	0	
	Point of Ayre ...	1022.4	-0.2	M	3	4	62	85	5	4	5	-	-	1020.8	-1.6	M	3	4	59	92	4	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	
13A	Tiree ...	1018.8	-4	M	3	4	62	75	6	3	-	-	-	1018.4	-0.4	M	3	4	60	85	7	5	4	8	-	-	2-3	7-8	8500	0	0	0	0	0	0	0	
13B	Stornoway ...	1020.1	-2	M	3	4	61	75	7	4	-	-	-	1019.0	-1.1	M	3	4	61	75	7	5	7	-	-	-	7-8	9	2500	0	0	0	0	0	0	0	
15	Dalwhinnie	1022.2	-4	M	3	4	63	65	2	4	-	-	-	1022.4	-0.2	M	3	4	57	75	6	5	-	-	-	-	2-3	4-6	2500	0	0	0	0	0	0	0	
	Aberdeen ...	1023.9	-2	M	3	4	66	75	2	4	-	-	-	1023.6	-0.3	M	3	4	55	92	5	5	-	-	-	-	9	9	800	0	0	0	0	0	0	0	
	Wick ...	1022.7	-2	M	3	4	60	85	5	4	-	-	-	1021.0	-1.7	M	3	4	56	92	5	-	-	-	-	-	0	4-6	0	0	0	0	0	0	0		
16	Sumburgh ...	1023.3	0	M	3	4	57	85	5	4	-	-	-	1023.5	0.2	M	3	4	53	97	5	5	3	-	-	-	2-3	7-8	500	1	0	0	0	0	0		
17	Blacksod Point...	1014.0	-6	M	3	4	65	75</																													

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 23rd September				18h. G.M.T.				01h. G.M.T. 24th September				07h. G.M.T.			
III	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN
109	5-	05607	15227	00	05590	16301	00	05690	15400	5-	05646	13526			
115	54	02844	12225	54	02844	16226	54	01844	20125	54	01844	20115			
203	51	05844	00015	54	05843	16114	50	05843	12113						
206	50	01663	08213	00	05690	08115	00	08490	00000	03	43490	00014			
210	03	05690	06324	50	05661	12314	00	05690	16200	00	05690	11214			
220	50	08452	14503	53	08453	15104									
230	03	05690	00014	07	05690	00013	50	05641	10211						
245	00	05690	12224	5-	05527	14427	5-	08408	15458	5-	05638	15328			
260	00	05690	04124	00	05590	04314	--	41109	00049	--	46109	12149			
275	5-	05535	12425	00	05590	12310	5-	05647	12317	5-	08428	10428			
279	00	05690	022--	00	05690	02202	00	05590	04300	00	08490	06300			
285	23	01744	10414	13	05643	12414				--	48209	10449			
288	54	02757	14227	53	05654	12214	5-	05665	16115	5-	05637	14227			
375	17	05041	12324	07	05690	12227	00	05690	12310	5-	05548	13428			
301	00	05590	13320	00	08490	12200	5-	08446	10246	5-	41463	10243			
321	5-	05690	10226	50	05652	09202	5-	41448	11148	5-	05528	13348			
290	5-	05648	08228	5-	05548	09328	--	05547	09227	5-	05648	10228			
292	5-	05658	14228	5-	05557	10317	5-	08448	11228	5-	05548	12228			
310	--	46209	08249	--	05544	08214				--	46109	08349			
345	05647	10227	10	05690	06103	5-	08438	22454	--	57109	08259				
333	00	00790	08200	00	00790	00001	00	05590	00000	5-	05663	00013			
334	--	05553	16214	--	05562	00003				--	02455	04217			
340	5-	08428	11328	50	05542	12102	5-	43328	12348	5-	08428	11448			
136	5-	05648	08348	5-	05646	10227	--	48109	08349	--	44209	10349			
336	13	02763	16425	54	01751	04313				5-	46309	04249			
350	5-	05528	06249	00	05590	06210	--	46109	08249	--	46209	08249			
368	00	05690	04440	00	08490	06300	00	47990	04240	5-	46208	02248			
379	50	05662	06342	00	05590	06300	--	46009	04349	--	46109	06349			
390	5-	41428	06158	00	08490	10100	--	46109	02349	--	46109	08349			
382	50	05653	06213	00	05590	04100	00	47309	05100						
435	00	00490	02342							--	46009	04349			
430	00	05690	06300	00	05690	00000	00	05690	05200						
409	00	05690	13500	00	05690	12300	04	08490	10400	57	05651	11416			

III - Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W - Present and past weather—See M.O. 252.
h, N_h - Height and amount of low cloud—See M.O. 252.
N - Total amount of cloud—See M.O. 252.
C, C_u - 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 24th September

1 S.E. England	
2 E. England ...	Light east to southeast breeze. Mainly fine this afternoon; probably further fog or low cloud tonight and to-morrow morning. Average temperature.
3 E. Midlands ...	
4 W. Midlands ...	Light to moderate southeast winds; fine to fair; rather warm.
5 S.W. England	Moderate southeast winds, veering south. Fair at first; cloudy with occasional rain spreading from the southwest. Some coast fog; rather warm and close.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	As 4
9 N. Midlands ...	
10 N.E. England	As 1-3
11 S.E. Scotland	Moderate southerly winds; fair; rather warm.
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	Moderate to fresh southerly winds. Fair today; probably some occasional rain to-morrow; rather warm.
13B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	As 11-12
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind south, moderate, veering slightly, later. Mainly cloudy with some occasional rain. Local coast fog; rather close.
18 N. E. Ireland	
19 S. E. Ireland	Moderate to fresh southeast wind, veering south; fine to fair at first; some occasional rain later; rather warm.
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—

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 to the east and low to the west of the British Isles. A depression suspected to be located southwest of Iceland will move northeast and an associated trough is expected to cause rain in Western districts before the end of the period. Over most of England and Scotland weather will be fair or fine.

FURTHER OUTLOOK.

Less settled conditions spreading from the West and Southwest.

Forecasts issued at 1030 G.M.T.

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

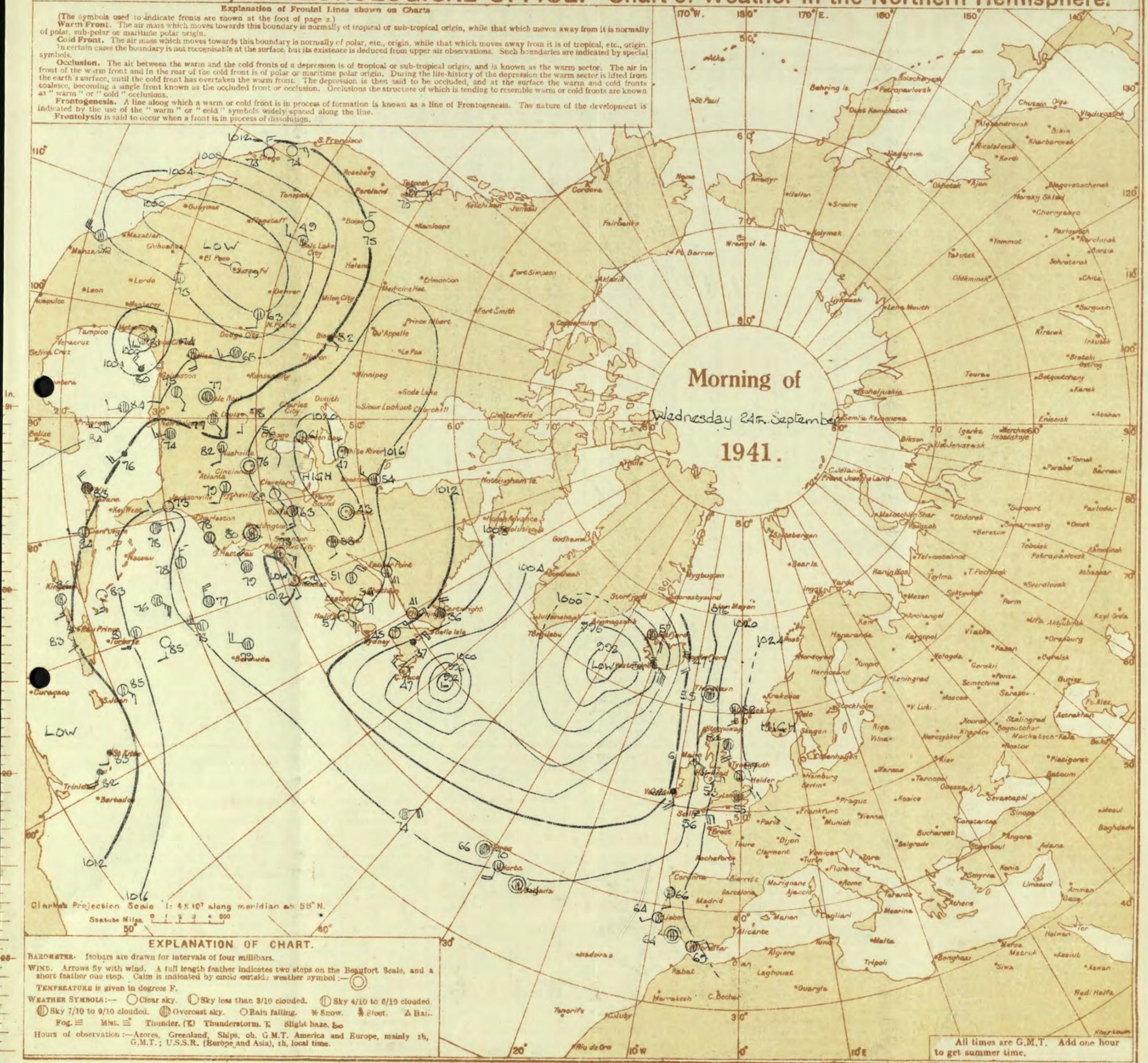
H.M.S.O. Press, Meteorological Office, Dunstable.

9-209/420. No. 0170. 0. 6034. 6p. 548. 3/00. 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
 Wednesday 24th September
 1941.

Clark's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows by with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle with dots: 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. * Frost. Δ Hail. Fog. ≡ Mist. ≡ Thunder. (T) Thunderstorm. T Slight haze. ₆₀
 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.

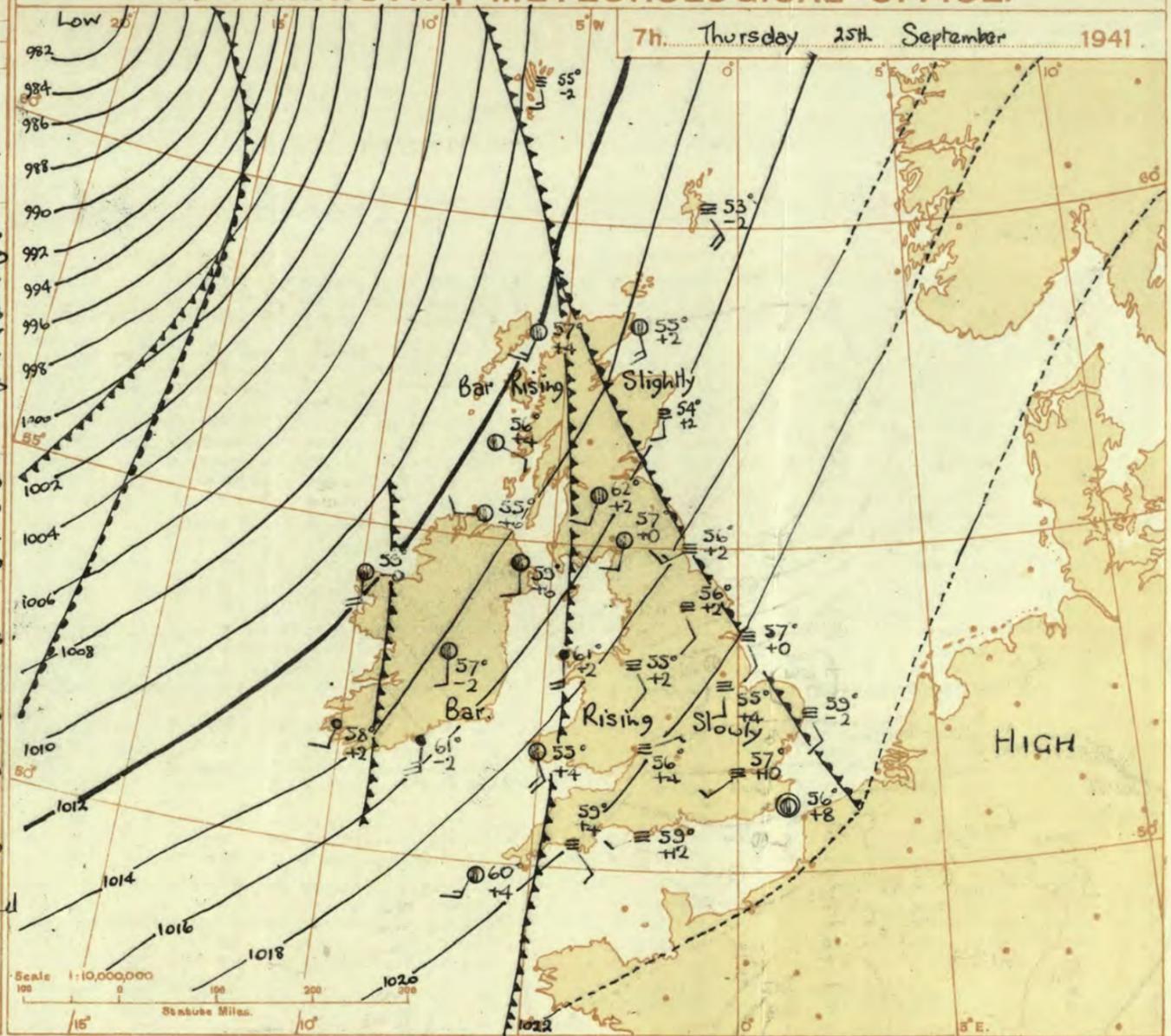
All times are G.M.T. Add one hour to get summer time.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 25th September 1941				01h. G.M.T. 25th September 1941				07h. G.M.T. 25th September 1941					
III	C ₁	wwVhN _h	DDFWN	C ₁	wwVhN _h	DDFWN	C ₁	wwVhN _h	DDFWN	C ₁	wwVhN _h	DDFWN	
109	50	05631	40001	5-	05528	28518	5-	05537	46427	57	08427	16427	
115	5+	01853	12114	54	01853	12114	52	01854	16226	57	31844	16287	
203													
206	00	00700	08100	53	01704	08114	5-	08562	00012	53	21645	00067	
210	00	05600	12300	04	05600	08203	50	05563	12213	57	02764	14315	
220													
230	04	05600	12212	09	05600	12114	53	05665	16217	5-	52638	14268	
245	5-	05548	12328	5-	05528	08228	5-	47328	00048	--	44309	07149	
260	00	05600	04100	84	05600	00014	5-	08455	00005	5-	05637	16227	
2785	05	05528	12428	07	05500	13414	5-	05518	13328	5-	52508	18258	
279	53	05600	26218	04	08400	24224	5-	45348	00048	67	05535	18327	
285	5-	05538	12428	5-	08438	12428	5-			5-	05537	10327	
288	7-	05655	12225	07	05500	20215	01	05500	00015	03	43300	00043	
57557	05	05645	14328	57	02754	10327	57	05645	08328	57	02824	14115	
801	00	05500	48014										
821	50	05634	12224	03	05500	1824	--	48009	00049	--	44109	15149	
299	5-	05548	14328	5-	08448	14328	--	46009	18349	--	46009	20349	
292	5-	05540	14324	5-	08465	00028	--	46209	00069	--	44109	00049	
310	--	44200	08343	--	48109	08349	--			--	01644	24314	
3245	4	428	20248	57	08454	00026	07	47200	00067	--	47009	22149	
833	09	03700	18365	09	02600	20316	52	51655	17328	57	01625	16458	
834	--	05500	06216	--	05565	16216					02645	20216	
840	5-	08438	11428				00	45200	06160	5-	47248	00048	
136	5-	05600	12340	03	08400	12315	01	43100	12268	53	08472	14166	
336	13	02703	08425	51	05542	12328				51	02752	16327	
350	50	05644	10343	03	05500	10225	50	08464	12214	--	48109	20249	
368	73	05575	07425	09	22500	09260	5-	05578	00068	53	05663	14127	
879	50	05522	12346	53	05663	14225	03	08400	14314	--	46109	18349	
890	5-	08427	10357	--	48209	08149	--	48100	12149	--	46009	20149	
962	03	05600	10213	53	05664	11225	5-	05576	00026	03	45100	00041	
438	51	01503	02244								5-	46009	22249
430				09	05600	12227	5-	08438	00018				
400	57	05664	15367	57	05636	16228	5-	51408	14328	57	02607	17428	

III - Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W - Present and past weather—See M.O. 252.
h, N_h - Height and amount of low cloud—See M.O. 252.
N - Total amount of cloud—See M.O. 252.
C, C₁ - 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 25th September
1 S.E. England	
2 E. England ...	Light southwest wind. Variable cloud; local fog later or night and in morning: close.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light or moderate southwest or south wind, freshening later. Cloudy; local drizzle, local coast and hill f: close.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Light or moderate south wind, freshening later. Variable cloud, slight local rain: close.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Light or moderate south wind, freshening considerably. Cloudy; occasional slight rain at first, a period of continuous rain later: mild.
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	As 5-9.
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 off Southwest Iceland is moving northeast and will cause strong winds and unsettled weather in the Northwest. Weather will continue fair in the Southeast.

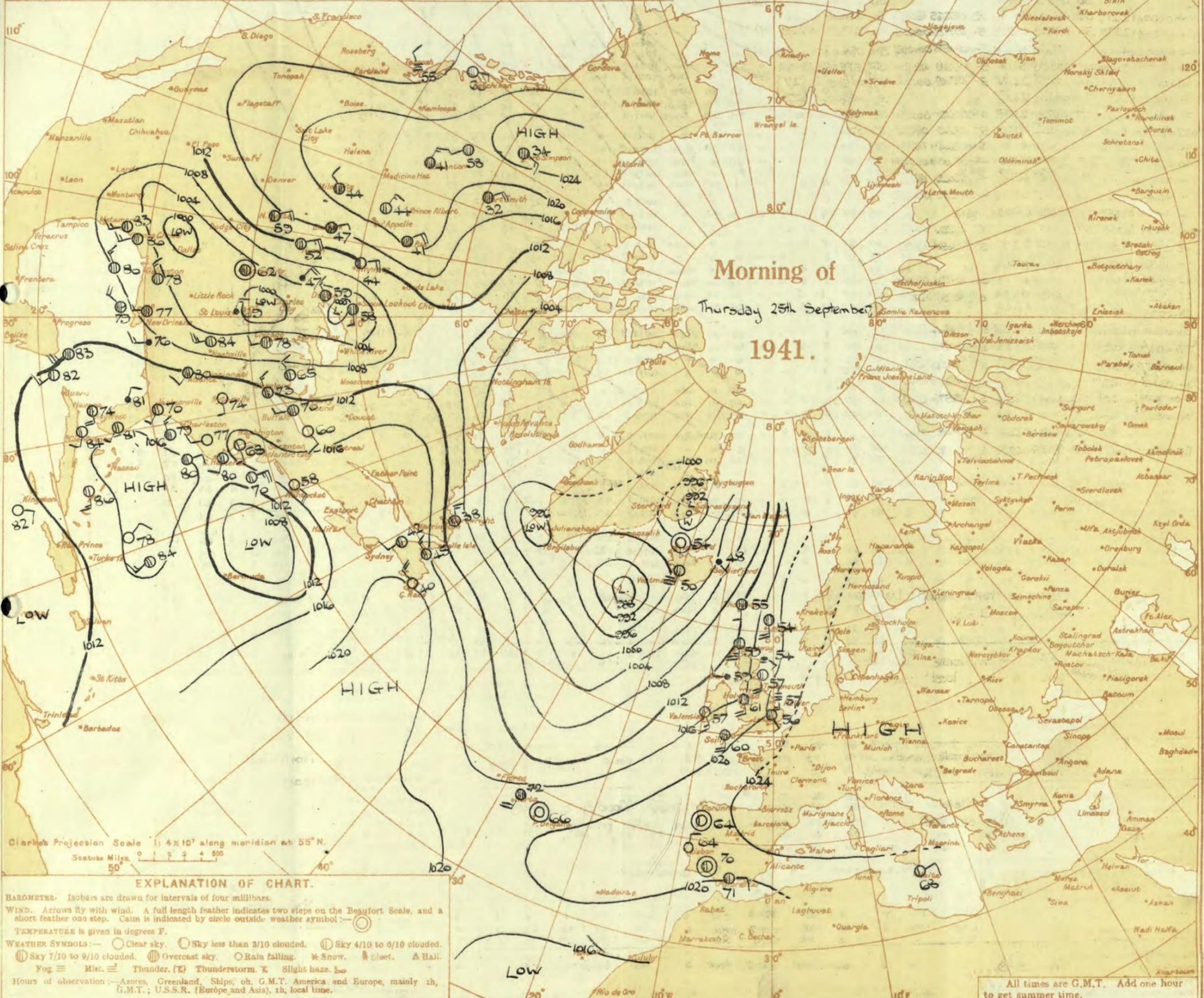
FURTHER OUTLOOK.
Unsettled in the West and North; mainly fair in the Southeast.

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. 0289/4120. No. 5178. D. 6034. 6p. 340. 2500 0/41

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.



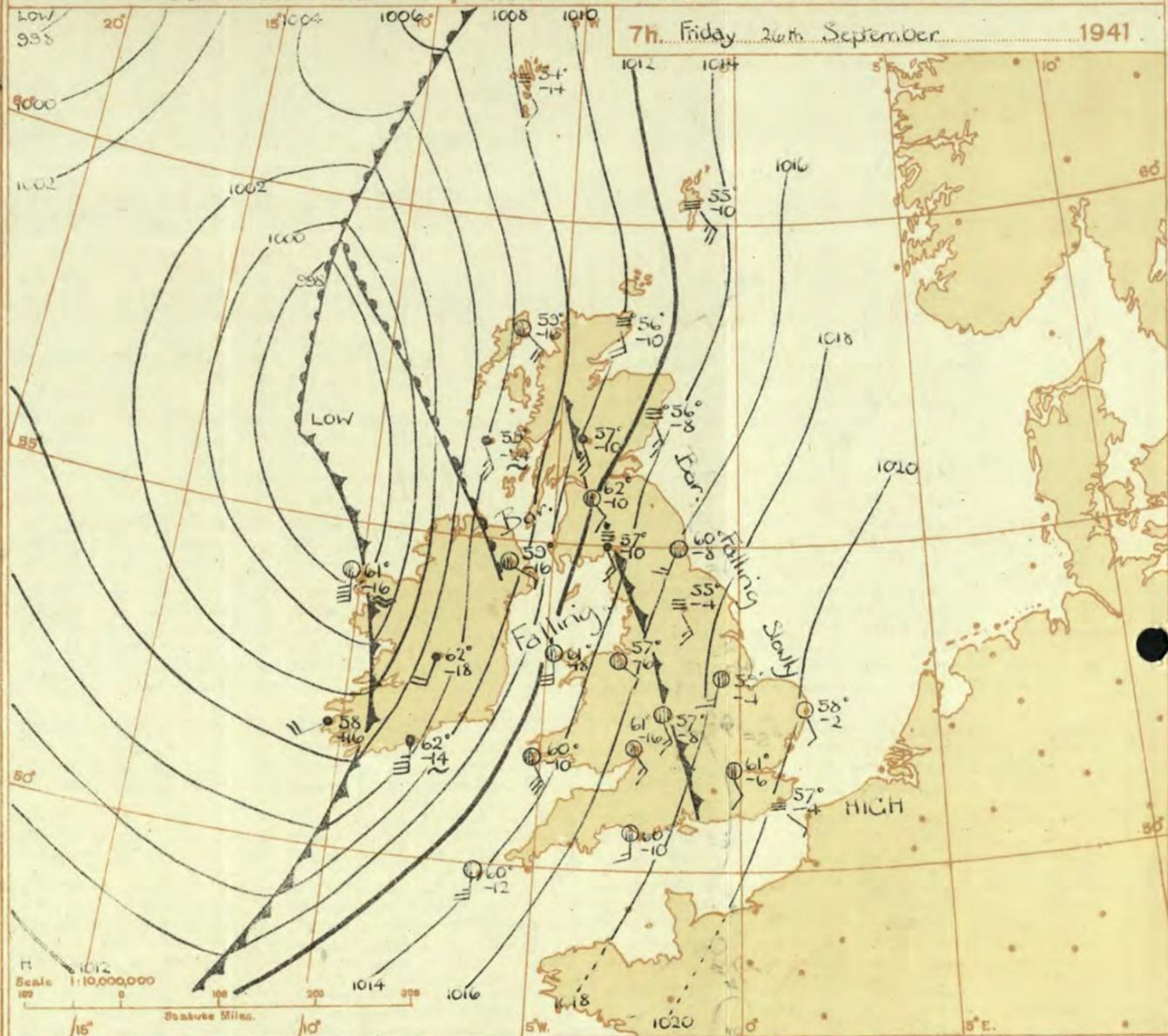
Abridged observations of additional stations in the

AVIATION WEATHER CODE

13h. G.M.T. 25th September 13h. G.M.T.				01h. G.M.T. 26th September 07h. G.M.T.								
III	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN			
109	0	05590	15425	53	05561	14326	5-	05544	14324	53	05664	46028
115	51	09834	20287	54	01954	20325	54	01953	12214	54	02954	12423
203				84	01842	16324	5-	01944	12124	53	02944	08305
206	23	02854	16326	53	01463	20224	5-	01763	00023	52	02865	00028
210	57	02854	15363	54	02765	12226	5-	01764	00014	57	02864	14328
220	13	01853	14304	03	01990	13303						
230	87	02845	16127	8-	25847	13187	5-	02857	16327	5-	22947	45468
245	53	05547	17428	53	05527	15368	5-	02756	16236	5-	22566	15367
260	57	02846	16428	57	02864	18415	5-	03658	14228	57	02865	12267
278	5-	5+518	15358	5-	57308	14358	5-	21638	14458	57	02846	14528
279	52	02848	17568	57	02855	17267	5-	02658	18358	57	03657	14168
285	23	02745	20327	23	02744	22287						
288	57	05563	19316	57	05576	16227	57	08454	16114	04	41400	18146
575				44	01851	16114	07	02890	14317	6-	02848	42428
301	07	22677	17467	07	05690	16364	50	05653	47443	07	05690	47517
321	52	05644	22327	54	05665	18226	07	47390	17213	5-	05648	16248
299	5-	43254	20244	57	05554	20214				--	48000	20249
292	53	08465	13346	57	05663	18124	00	47390	00010	5-	41428	14248
310	--	01644	24314	--	01644	24314				--	46100	24449
614	73	05563	20287	54	05685	20126	04	03690	22113	5-	05648	18228
338	57	02856	16467	57	02844	16527	5-	21638	16658	5-	02858	16628
334	--	02764	26215	--	02763	26215				--	03647	22128
340	87	61642	16327	49	02852	17326	54	05672	18213	57	02746	14217
136	10	05654	20214	03	05690	00015	04	05990	18212			
326	51	21762	20355	14	01762	16214				51	02762	16428
350				23	01653	18224	00	05590	16210	5-	05528	10228
308	19	02853	16226	03	05690	16114	57	02846	15227			
379	83	02745	20246	23	01852	16324	--	46200	18449	5-	41418	18748
390				50	05553	24114	5-	45218	00048	5-	45247	08147
382	87	02855	18327	23	01853	18214	50	08433	14113	5-	05690	16228
435	5-	46310	30340									
430				50	08473	18113	5-	08448	00048			
400	57	02855	17325	57	02845	16316	5-	03628	15458	54	54516	15457

III - Index Number of Station - See M.O. 252 or list issued on 1st of each month.
 ww V - Present and past weather - See M.O. 252.
 h, N_h - Height and amount of low cloud - See M.O. 252.
 N - Total amount of cloud - See M.O. 252.
 C_u - 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 26th September
1 S.E. England	Moderate southerly wind, freshening. Fair at first, occasional rain later.
2 E. England ...	Average temperature.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Fresh to strong southerly winds, gale locally on coasts, veering southwest and moderating later. Cloudy with occasional rain, some bright intervals later.
6 South Wales ...	Average temperature.
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.	Fresh to strong southerly winds, gale locally on coasts, veering southwest and moderating later. Cloudy with rain at times; average temperature.
13 A. W. Scotland	
13 B. N.W. Scotland	
14 Mid Scotland	
15 N. E. Scotland	Fresh to strong south to southwest winds. Cloudy with occasional rain; average temperature.
16 Orkneys and Shetlands	
17 N. W. Ireland	Moderate or fresh southwest winds. Local showers and bright intervals.
18 N. E. Ireland	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 vigorous depression centred off Northwest Ireland is moving northeast, and associated troughs are moving eastwards across the British Isles. Weather will be unsettled with rain or showers at times in all districts. There will be gales at first in Western coastal districts. Temperatures will be about normal.

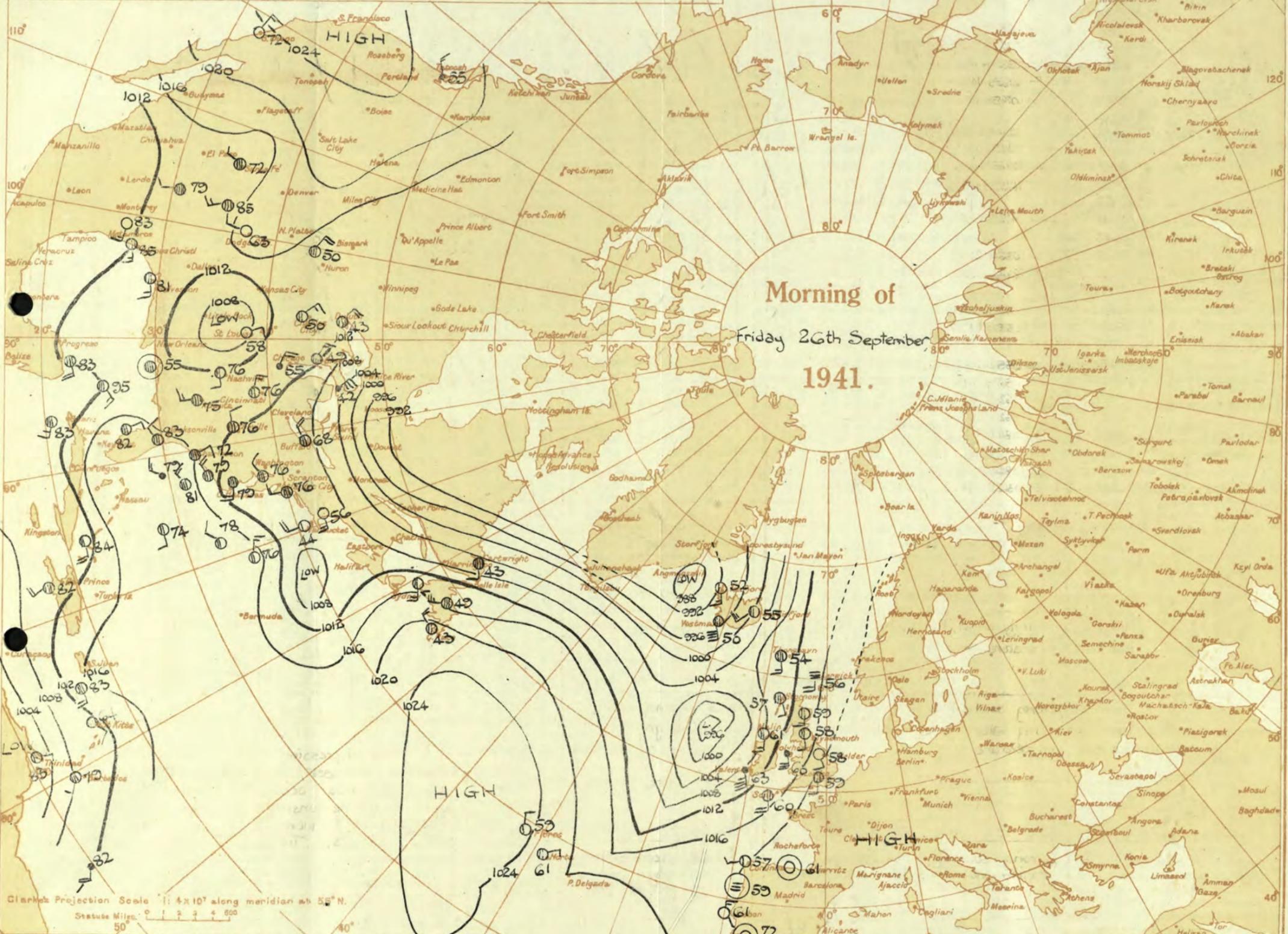
FURTHER OUTLOOK.
 Continuing unsettled.
 Gale warning in operation in districts 6, 7, 8, 12, 13, 16, 17, 18, 19, 20 and part of district 5. Times of issue 23.45 25.9. and 04.50 26.9.41.

Forecasts issued at
 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.

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



Morning of
 Friday 26th September
 1941.

Clark's Projection Scale 1:4x10⁷ along meridian at 50° N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ☉ Clear sky. ☁ Sky less than 3/10 clouded. ☂ Sky 4/10 to 6/10 clouded. ☃ Sky 7/10 to 9/10 clouded. ☄ Overcast sky. ☔ Rain falling. ❄ Snow. ⚡ Sleet. ⚡⚡ Hail. Fog ☁. Mist ☁. Thunder (⚡) Thunderstorm. ☁ Slight haze. ☁
 Hours of observation: Azores, Greenland, Ships, etc. 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.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes data for London, Birmingham, and other locations.

LONDON OBSERVATIONS table with columns for Day, Night, and 24 hrs. ended 9h. Includes data for Kew, Croydon, and other London stations.

Table with columns for Weather, Temperature, Rainfall, Humidity, and Atmospheric Pollution. Includes data for various stations and time periods.

EXPLANATION OF FIGURES, LETTERS, etc. section with columns for COLUMNS 2, 16; COLUMNS 3, 22; COLUMNS 4, 18; and COLUMNS 34, 35.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall. Includes data for Reykjavik, Lisbon, Madrid, etc.

Table with columns for Evening of 25th September, Morning of 26th September, and Past 24 Hours. Includes data for various stations.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

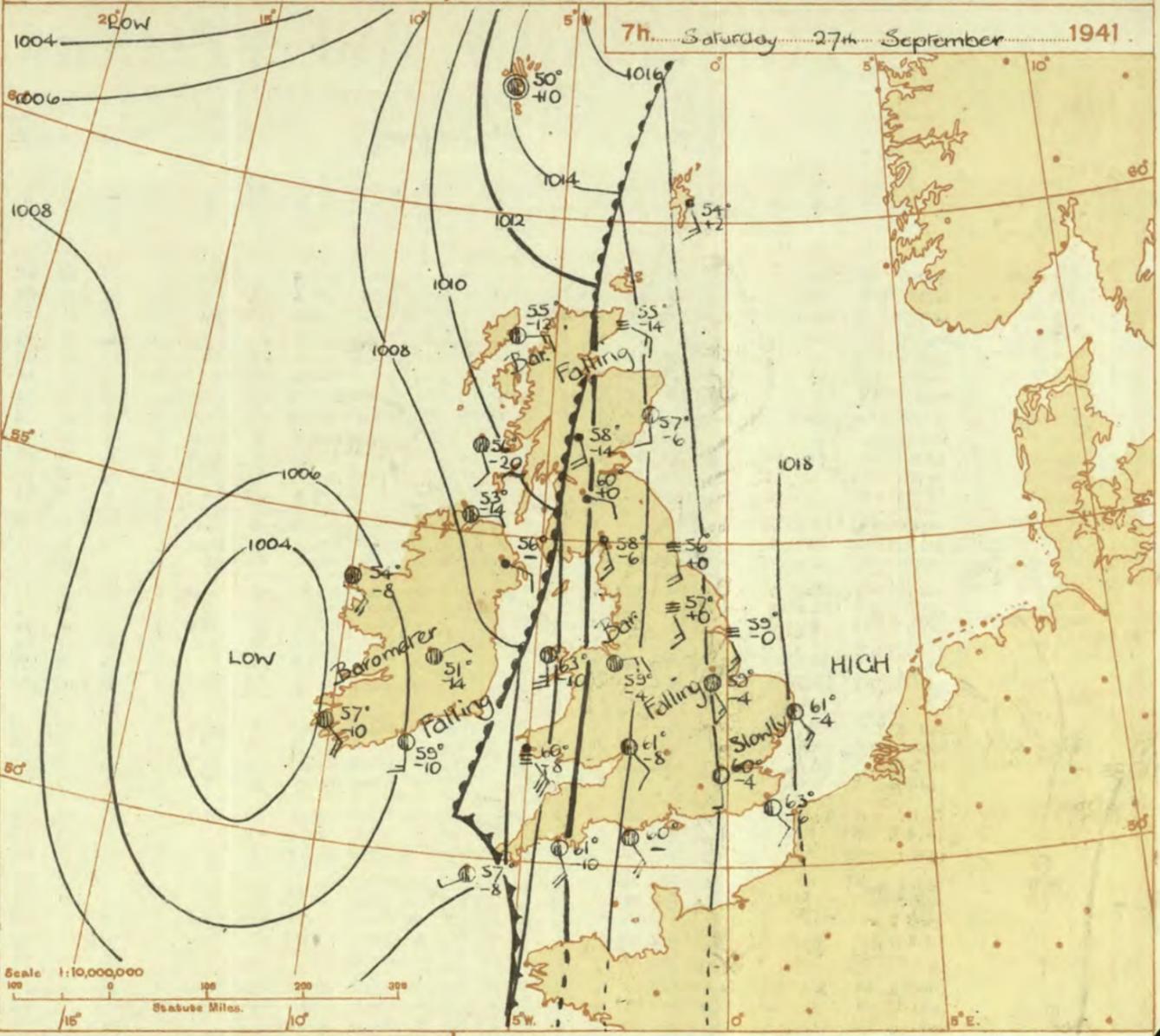
OBSERVATIONS at 13h. G.M.T. 26th September															OBSERVATIONS at 18h. G.M.T. 26th September															PAST 24 HOURS.									
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	°Humid. (7)	Visibility. 0-9 (8)	Cloud.				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.											
				Dirrec. (3)	Force. (4)					Form.	Amount. (10)	Height of Base. (feet) (14)	Low. (9)			Med. (10)	High (11)					Low 0-10 (12)	Total 0-10 (13)	Dirrec. (17)	Force (18)			Form.	Amount (23)	Height of Base (feet) (28)	Low 0-10 (24)	Med. (25)	High (26)	Low 0-10 (27)	Total 0-10 (28)	7h.-13h. 26th (37)	13h.-18h. 26th (38)	18h. 26th to 1h. 27th (39)	1h.-7h. 27th (40)
1	London (Kew)...	1017.9	-8	SW	2	c	65	85	7	5	2	9	10	1500	1017.4	0	SSW	1	Z	65	65	6	5	4	2	2-3	9	4000	0	*	cm, r, c	cm, c, cmo	b, c, m, b, r, f	b, r, r, w					
	Croydon ...	1018.1	-6	SW	2	c	68	85	8	5	7	7	7-8	10	1017.6	+2	-	0	c	66	92	6	5	4	5	4-6	9	4500	0	*	cm, b, c, e, v	c, c, c	c, c, m, w, o, f, b	b, m, m, w					
	S. Farnborough	1017.7	-6	SSW	2	Z	66	85	6	5	7	7-8	9	900	1017.4	+2	SSW	2	c	65	85	7	8	8	1	7-8	2500	0	*	cm, o, i, d, c	cm, c, c	c, m, b, w, o, m	o, m, w, f, e						
	Boscombe Down	1017.4	-10	SSW	3	c	67	75	8	5	-	8	7-8	2400	1017.2	+2	S	3	bc	61	92	8	4	-	8	1	4-6	2500	0	*	cm, c	c, b, c	b, c, m, b, f, e, o	f, e, o, m					
	Thorney Island	1018.1	-4	S	2	Z	65	92	6	5	2	-	7-8	10	1017.7	+2	S	1	bc	63	85	7	5	4	6	2-3	4-6	4000	0	*	o, v, p, r, o, m, o	e, v, c, b, c	b, c, f, e, b	b, b, c					
	Lympe	1019.3	-10	SE	2	c	65	85	7	5	7	-	7	700	1019.0	+6	-	0	f, g	61	92	5	-	3	2	0	7-8	-	0	*	c, f, m, o, c	c, m, c, c, f, g	a, f, f, b, g, w	b, r, w, c, o					
	Manston	1019.6	-4	SE'S	2	Z	67	85	6	5	-	7	7	700	1018.3	+6	-	0	Z	69	92	6	5	-	2	6	9	10	6000	0	*	o, f, c, m, o	c, m, o	c, b, c, m, b, m	b, b, m, b, e, m				
2	Shoeburyness	1018.8	-10	SE	2	c	69	85	8	5	-	9	9	5700	1018.2	+2	SE	2	c	65	92	6	5	7	2	7-8	9	4000	0	*	v, r, o, b, c, e	c, m, o	c, m, o, b, m, m	b, f, g, w, c, m					
	Felixstowe	1018.9	-6	SE	2	c	64	92	7	5	-	7-8	7-8	6000	1018.3	0	SE	2	c	62	92	7	5	-	2	9	9	6000	0	2	cm, m, c	c	c, b, c, m, w	b, m, w, i, f, e, m					
	Gorleston	1019.6	-4	SE	4	c	62	92	6	5	-	4	0	4-6	1019.4	+2	SE'S	2	c	61	65	7	-	4	1	0	7-8	-	0	3	cm, c, z, b, e	c	c, p, r, o, f, e	c, b, z, b, z					
	Mildenhall	1017.4	-12	S	4	bc	70	75	8	8	7	-	7-8	4000	1017.4	+2	SE	2	c	67	92	7	5	7	-	4-6	9	3000	0	*	cm, m, o, c	c	c, b, m, b, f, e	b, f, e, f, e, e					
	Cranwell	1017.5	-4	S	4	Z	66	85	6	5	-	4-6	10	1000	1016.4	+14	S	3	c	64	85	7	5	3	6	1	9	2500	0	*	cm, c, c, m, o	c, m, o, c	c, b, m, r	f, f, e, c, f, e					
3	Birmingham	1016.0	-6	SSW	3	c	66	75	7	5	4	8	4-6	9	1500	1015.8	0	SE	2	bc	65	75	8	8	7	1	2-3	4-6	1500	0	*	o, d, c	c, b, c	b, m	b, m, o, f, o, w				
	Upper Heyford	1017.1	-10	S	2	c	67	75	7	5	6	4-6	9	1000	1016.2	0	SE	1	bc	66	75	8	7	3	4	2-3	4-6	3500	1	*	cm, o, c	c, b, c	b, e, b, m, b, f	b, f, o, f, e					
	Ross-on-Wye	1015.4	-6	SW	4	c	68	75	8	7	5	-	7-8	9	2500	1015.2	-4	S	3	c	65	75	8	5	4	1	7-8	7-8	2500	0	*	cp, cc	c, b, c	c, o, m, o	b, c, c, l, o, w				
5	Hartland Point	1018.4	-8	SSW	5	c	65	75	8	5	-	6	7-8	9	1500	1013.1	-2	SSW	3	r	63	85	8	5	2	-	4-6	9	1000	0	4	c, b, c	c, i, r	c, i, r, c	c, b, c, c				
	Bristol ...	1016.6	-6	SSW	4	c	67	75	9	7	-	6	7-8	9	2500	1016.4	-2	S	3	bc	64	85	8	5	3	1	2-3	4-6	2500	0	*	c	c, b, c	b, e, b, m, w	b, w, o, m, w				
	Portland Bill	1017.3	-8	S	3	c	62	92	8	5	4	-	4-6	10	4000	1016.6	-2	SE	3	c	61	92	8	5	-	10	10	4000	0	2	c	c	b, e, b, c	b, e, c	c, o				
	Plymouth	1016.3	-4	S	4	c	63	85	7	5	-	9	10	500	1015.2	-8	SE	3	Z	61	92	6	5	3	9	1	9	1400	0	3	c	c, b, e, c, m, o	b, m, c	c, b, c, c					
	The Lizard	1014.7	-2	SE	5	bc	62	92	8	8	6	-	4-6	4-6	1500	1014.3	+6	-	0	r, f	58	97	3	5	-	10	10	1000	1	3	f, f, o, b, c	o, r, f, f, d	r, f, r, r, p, r, c	c, p, n, o, g					
	Soilly (St. Mary's)	1012.7	-2	SW	2	o, d	60	92	7	5	-	10	10	1400	1012.9	-2	SW	2	b, c, r	57	97	7	4	2	-	4-6	10	1100	1	3	c, e, d, o	c, i, d, o	c, i, r, o	c, i, r, o, c					
	Guernsey	1012.3	-8	S	6	c	61	92	7	7	7	-	4-6	9	1500	1012.9	-2	SW'S	2	r, o, f, o	58	97	5	5	-	10	10	500	1	5	c	o, b, b, r, a, m, o	o, r, m, m, o, c	o, r, m, m, o, c	f, e, f, e, p, n, o				
	Holyhead (Valley)	1011.1	-4	SE	6	id.	63	85	8	5	7	-	7-8	10	1500	1012.4	+8	S	4	id.	58	92	6	5	-	10	10	1000	1	4	c, i, d, o	c, i, d, o	o, d, s, m, o	c					
	Chester (Sealand)	1013.9	-6	SE	3	c	68	65	8	5	2	-	9	10	2500	1013.3	0	SE'S	3	Z	66	75	6	5	7	1	4-6	9	2500	0	*	cm, c	c, e, z, o	e, z, m, b, e	b, m, w, c				
	Manchester	1014.9	-8	SW	4	c	67	75	7	5	7	-	4-6	10	2300	1014.6	+2	SE	3	c	66	85	7	-	9	1	7-8	-	0	*	cm, o, z, o	c	e, z, m, b, e	b, c, c, m, o					
10	Spurn Head	1017.7	0	SE	3	Z	61	92	5	5	-	10	10	2500	1016.8	-2	SE'S	3	Z	61	85	6	2	6	-	4-6	7-8	4000	0	2	cm, m, o	cm, m, o	o, m	f					
	Catterick	1014.8	-12	S	3	Z	65	75	5	5	-	10	10	1500	1014.4	+6	S	3	n	66	75	4	5	7	6	4-6	9	1200	0	*	o, f, e, c, z	c, z, c, z	c, z, o, w	o, f, e, o, f, e					
	Tynemouth	1013.1	-10	S	5	Z	67	75	6	8	3	-	4-6	7-8	2800	1014.8	0	S	3	Z	58	92	6	8	3	6	4-6	7-8	2400	0	2	em	cm	b, e, c, m	b, c, o, f, f				
11	St. Abba Head	1011.2	-14	S	4	c	63	75	7	4	7	-	4-6	7-8	2500	1011.6	+4	SE	4	Z	62	85	5	5	7	-	4-6	9	1600	0	3	o, b, m	cm	c	c				
	Leuchars	1011.5	-8	S	2	c	64	85	7	5	1	-	7-8	10	2500	1011.8	+10	SE	2	c	63	75	7	5	7	-	9	10	1800	1	*	o, v, o, c	cm	c, o, r, n	c, o, r, n, i, s, s				
	Renfrew (Abbots L.)	1009.8	-14	SE	4	c	64	75	7	5	2	-	7-8	10	1800	1011.7	+18	SW	3	Z	61	85	6	6	7	-	7-8	9	700	1	*	cm, o, c	c, i, d, o, c, m	i, o, e, g, m, o	b, f, r				
	Bakdalemuir	1012.0	-4	SW	4	c	61	85	7	5	2	-	9	10	800	1013.2	+12	SW	5	id.	57	92	5	-	2	-	10	10	450	1	*	o, f, o, f, i, d.	c, i, d, o, m	c, b, o, b	r, n, i, s, s, e				
	Point of Ayre	1011.5	-2	SW	4	c	61	92	8	6	1	-	9	10	1000	1011.8	+6	SW'S	4	c	61	92	8	5	7	4	4-6	9	2500	1	4	c	c, i, d, o	c, i, d, o	c, i, r, o				
13A	Tiree	1004.2	+6	SE	4	r, r	57	97	6	-	2	-	10	10	1200	1011.0	+36	WSW	2	bc	54	85	8	1	3	5	1	2-3	2800	0	4	o, r, r	bc	b, c, c	b, c, c, c				
	Dalwhinnie	1007.0	-10	SE	6	c/p	57	85	7	8	4	-	7-8	9	2500	1010.5	+26	S	3	r	57	85	7	6	2	-	7-8	9	1500	1	*	o, c	c, i, r	c, b, c	c, i, r, o				
	Aberdeen	1012.1	-10	S	4	Z	60	85	6	5	7	-	2-3	7-8	800	1012.2	+9	S	4	Z	58	85	5	5	-	10	10	1100	0	3	a, m, i, d, b, c, z	b, e, z, o, z, o	b, c, z	c, i, g, n, z					
	Wick	1009.7	-4	SE'S	4	Z	59	92	5	5	7	5	2-3	9	4000	1009.5	+6	SE	4	r, o	57	97	5	5	7	2	4-6	9	5000	1	*	cm, r, o, f, o, c, o	cm, o, r, n	c	r, n, i, s, s, e				
	Sumburgh	1013.5	-6																																				

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 27th Sept				18h. G.M.T.				01h. G.M.T. 27th Sept				07h. G.M.T.			
III	C _w	Vh _N	DDFWN	C _w	Vh _N	DDFWN	C _w	Vh _N	DDFWN	C _w	Vh _N	DDFWN	C _w	Vh _N	DDFWN
109	57	25546	15688	57	61427	45728	07	01790	00014	5-	05508	11468			
115	57	02844	12486	52	62738	20488	54	01844	20265	52	62735	12468			
203				83	02845	16467	5-	03248	12318						
206	57	02864	14427	57	61855	18468	5-	01864	00064	57	02736	08268			
210	57	02864	14467	53	02864	14428	5-	25798	00028	57	61665	06268			
220															
230	52	64646	49468	83	02846	20367	50	00853	20113	5-	62748	00068			
245	57	05545	14468	53	05547	17527	5-	62658	06368	57	61526	15467			
260	57	02854	16427	57	02844	18427	5-	64658	00068	57	22764	08267			
278	5-	54628	47558	56	01732	18264	5-	62668	12368	02	64518	12568			
279	57	02754	18427	62	54626	18458	02	52668	07268	52	51854	12367			
285	57	03746	18528	53	02746	18328				23	05645	12317			
288	57	05632	17427	54	05664	16427	07	05690	13212	57	05623	14215			
275	62	61645	16568	40	02852	00015	07	02790	08328	57	02734	14227			
301	52	05655	16628	57	22644	16367	5-	05648	14368	53	05633	12524			
321	57	21654	49457	53	02751	15325	00	47290	14140	--	46109	14319			
299	52	05545	10447	57	05543	16414	50	05552	16202	--	46109	20449			
292	5-	05567	15327	57	05663	15365	00	05590	13210	5-	08428	14258			
310				--	01646	26416				--	46109	16349			
614	11	05634	49467	43	05571	16226	00	43390	00040	--	46009	16149			
333	82	61955	15668	5-	54628	20358	5-	61645	16458	53	02864	12566			
334	--	03747	20228							--	02544	20215			
340	53	02846	16488	54	01764	14325	03	05690	15414	5-	05538	13418			
136	73	02757	15317	5-	02867	14367	00	47190	12223	--	44209	12249			
336	14	01762	14415												
350	72	25655	16388	03	05690	14225	00	47390	14200	--	46209	12249			
368	77	02854	15325	53	02755	15325	5-	05647	17327	53	02636	24427			
379	8-	02858	16458	40	01863	16324	50	41644	16344						
390	5-	05557	12327	5-	05558	18128	--	46009	00049	03	49290	00041			
382	57	02844	15327	44	01851	15214	00	47390	16140	5-	05528	14328			
438															
430				54	05641	00015	00	08490	08340	00	08490	06201			
400	51	52726	16458	52	62517	16468	5-	22528	17468	57	10625	09360			

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 27th September
1 S.E. England	
2 E. England ...	Light or moderate southerly winds. Fine and rather warm; fog forming during night and dispersing tomorrow morning.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Winds mainly southerly, moderate; fresh locally on West coasts. Cloudy with occasional rain, chance of local thunder. Some coast and hill fog; average temperature
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.	
13A. W. Scotland	
13B. N.W. Scotland	As 4-3
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	Moderate south to southwest winds. Cloudy with occasional rain or showers. 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 depression centred just west of Ireland will later move northwards. Weather will continue fine and rather warm in eastern districts, but with some fog forming during the night. In other districts it will be unsettled with occasional rain or showers and an average temperature.

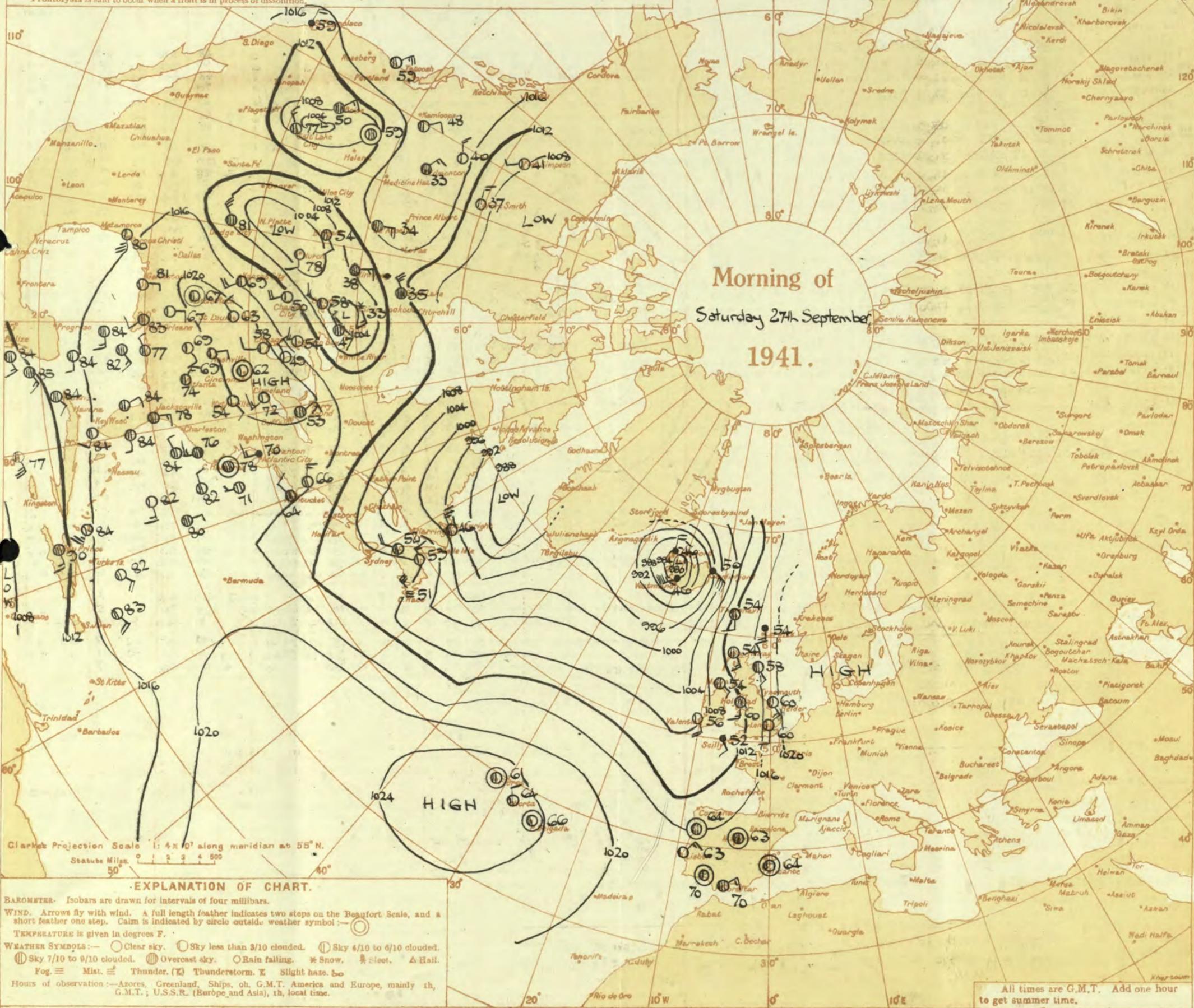
FURTHER OUTLOOK.
 Unsettled in most districts.

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.

Main table of weather observations at 1 hr. G.M.T., 7 hr. G.M.T., and Past 24 Hours. Columns include Station, Height, Barom., Change, Wind, Weather, Temp., Humid., Visibility, Cloud, and various temperature and rainfall measurements.

LONDON OBSERVATIONS table with columns for Day, Night, Min., Max., and other weather metrics for various London locations like Kew, Croydon, and Greenwich.

FOREIGN OBSERVATIONS table listing weather data for Reykjavik, Lisbon, Madrid, Castro, Toronto, and Washington.

EXPLANATION OF FIGURES, LETTERS, etc. section providing detailed definitions for symbols used in the weather report, such as barometric tendency, wind scale, and visibility codes.

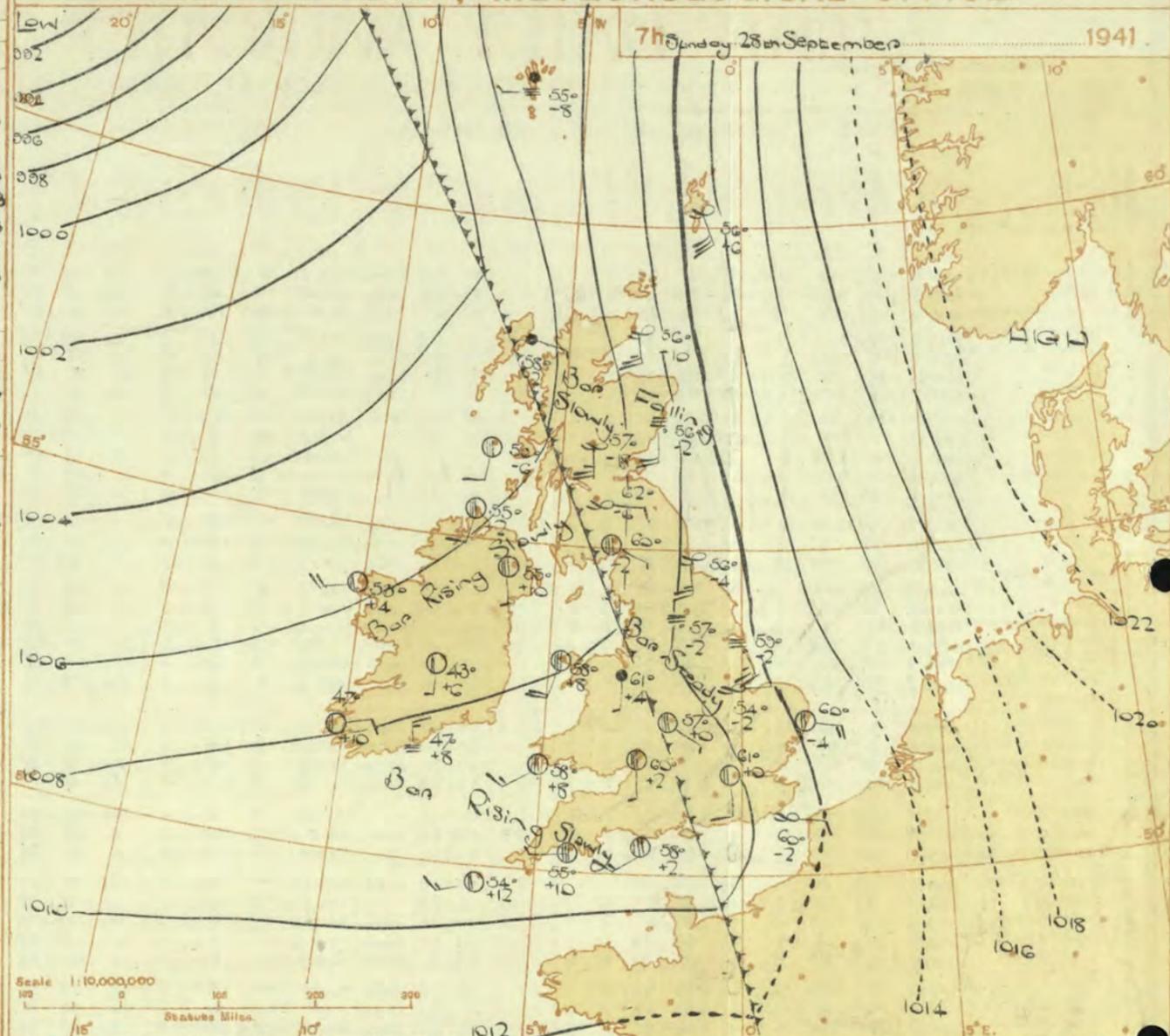
Additional explanatory text and tables for atmospheric pollution and sea disturbance reporting.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

Stn.	1st. G.M.T. 27th Sept.				1st. G.M.T. 28th Sept.				01h. G.M.T. 28th Sept.				07h. G.M.T.			
	III	C ₁	wwVhN	DDFWN	C ₁	wwVhN	DDFWN	C ₁	wwVhN	DDFWN	C ₁	wwVhN	DDFWN	C ₁	wwVhN	DDFWN
109	--	48309	45629	--	48309	46549	5-	05535	44648	57	05525	25627				
115	52	62725	14368	57	02834	14466	57	02844	16326	57	02744	16426				
205								5-	03838	12288	5-	05838	12128			
206	57	02955	08268	77	02864	12225	5-	05653	12123	57	05644	08428				
210	57	02964	46527	57	05653	09226	5-	05664	08324	57	05655	45528				
220	52	63626	15268							52	64616	19368				
230	57	63746	14168	62	62647	14168	6-	65648	14168	57	61746	16268				
245	--	48309	47469	5-	08438	10348	5-	05534	18264	5-	22538	12468				
260	84	01863	15415	57	02764	14327	50	05655	04315	83	05654	11325				
278	5-	63518	13468	5-	61603	10368	5-	22646	10266	57	02841	17268				
279	17	05662	48526	07	05590	14325	50	05562	06212	57	25654	12187				
285	23	42835	14547	23	05535	14527										
288	10	15313	13173	20	056-1	11303	57	05543	18317	24	25453	32127				
576	57	25746	14188	27	02841	12228	57	22745	12368	5-	02866	15266				
301	2-	05644	15524	07	05690	14526	2-	25646	13386	52	62445	14268				
321	2-	01754	14424	26	01763	12313	53	05554	13314	57	05672	12214				
299	50	05552	16242	57	05553	10413	00	05590	10400	57	05554	10315				
292	8-	05646	12446	80	05643	10324	5-	05574	10214	00	05590	09265				
310																
914	8-	056-5	45345	44	05552	12213				43	05556	08127				
333	82	02964	14318	67	63644	16368	5-	22648	10368	21	61744	18267				
334	--	01763	18314	--	02654	16315										
340	90	02645	14427	47	05663	15325	5-	08454	12314	5-	22448	13368				
136	10	0175	12444	08	05690	12313	04	05690	11311	08	05590	11314				
336	14	01762	16514	13	02762	16316										
350	20	05664	14414	07	05690	10312	5-	05564	08314	54	05664	10217				
365	50	02745	10327							57	62743	24268				
374	20	05644	14544	40	02754	14426	50	05652	12312							
390	20	01864	13314	53	05662	10314	00	05590	10240	20	08452	12114				
382	20	01765	15425	06	01790	12114	00	05690	12300	53	05662	08114				
435	00	00690	12300													
430	50	05663	12313					50	05652	26312						
400	5-	62628	14508	52	64617	17468	07	22690	15267	53	00841	16213				

III - Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W - Present and past weather—See M.O. 252.
h, N_h - Height and amount of low cloud—See M.O. 252.
N - Total amount of cloud—See M.O. 252.
C, C₁ - 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).

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 28th September, 1941.
1 S.E. England	Moderate southerly wind, veering W.S.W. later. Becoming cloudy with local thundery rain or thunderstorms. Fair with bright intervals later.
2 E. England ...	Rather warm.
3 E. Midlands ...	Light or moderate W.S.W. wind. Mainly fair, but a few scattered showers or thunderstorms. Local valley fog around dawn. Average temperature or rather warm.
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Moderate S. wind veering S.W. Cloudy with some thundery rain or thunderstorms. Bright intervals later. Average temperature.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Light or moderate S.W. wind. Fair apart from a few scattered showers. Average temperature.
13A. W. Scotland	
13B. N.W. Scotland	
14 Mid Scotland	Strong southerly wind, veering S.W. later and moderating. Cloudy with rain spreading from west. Bright intervals later. Average temperature.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Light or moderate S.W. wind backing and freshening later. Fair at first apart from scattered showers. Rain spreading from west late in period. Average temperature.
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 character is 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 trough of low pressure is moving slowly eastwards across Great Britain. Thundery rain will occur during the passage of this trough, but weather will become mainly fair behind it. A trough now well out on the Atlantic will cause rain in Ireland towards the end of the period.

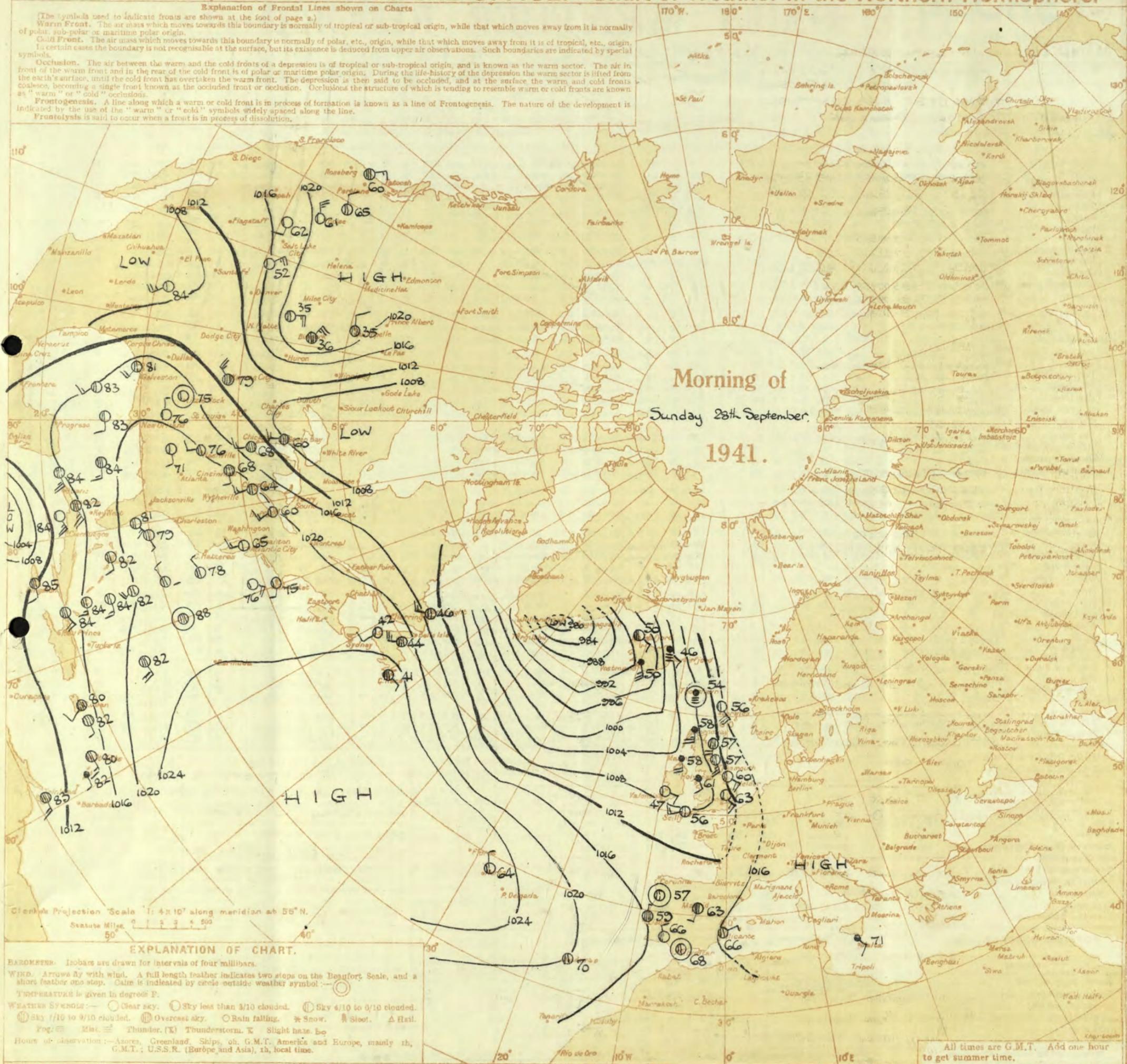
FURTHER OUTLOOK.
 Unsettled with rain at times in most districts.

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.
 9289/4120.111.9.176. 6.5034. 6p. 349. 3300. 2/41

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.



Clerk's Projection Scale 1:4x10' along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: — ○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. * Snow. † Sleet. Δ Hail. Fog. ☁ Mist. ⚡ Thunder. (X) Thunderstorm. K Slight haze.
Hour of observation:—Azores, Greenland, Ships, on 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.

Main table with columns for Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes station names, barometric pressure, wind direction, temperature, humidity, and cloud cover.

LONDON OBSERVATIONS table with columns for Day, Night, and 24 hrs. ended 9h. Includes weather, temperature, rainfall, and humidity data for various London stations.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed definitions for weather symbols, barometric tendencies, wind scales, and other meteorological notations.

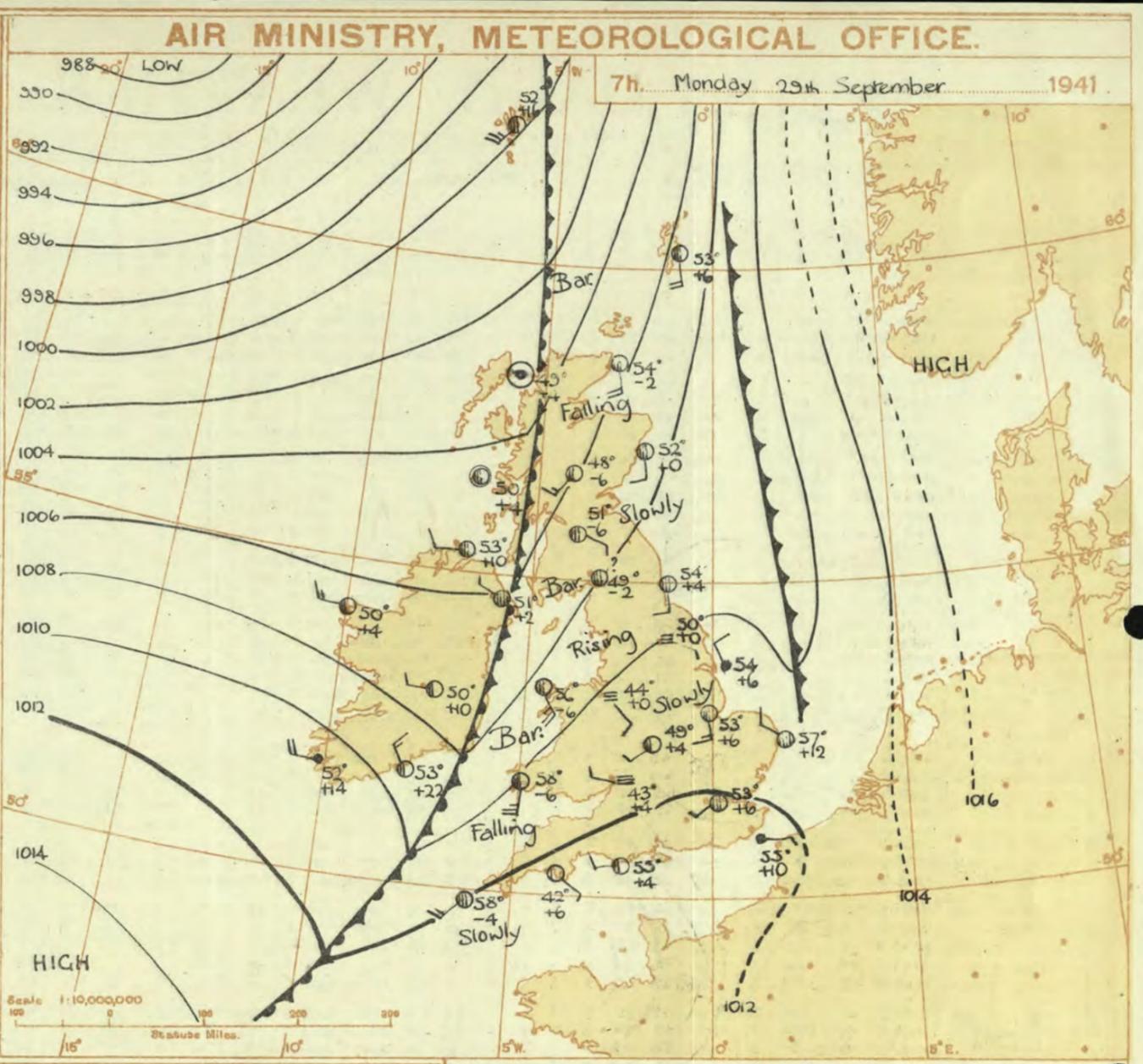
FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall. Lists data for Reykjavik, Lisbon, Madrid, Castro, Toronto, and Washington.

Table with columns for Max. Day, Min. Night, and Rainfall. Provides summary statistics for the 24-hour period.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 23rd Sept. 18h. G.M.T.				01h. G.M.T. 29th Sept. 07h. G.M.T.								
III	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN	C _u	wwVhN _h	DDFWN			
109	5	03538	45628	5	03538	46228	5	64528	18368	54	02774	16465
115	52	81835	20488	52	62835	20388	52	02844	16266	52	81044	16387
203	5	81838	16468				53	02844	16425	6	64838	16428
206	57	02755	12528	57	02055	20168	5	01854	20364	57	01963	12214
210	57	61566	47568	57	0654	14268	5	01776	00066	54	01862	12325
220	83	01844	21415	83	01845	21405				80	01855	21255
230	8	81948	20468	87	02054	16126	50	00852	16212	5	64648	16268
245	5	05628	14528	5	64528	18368	5	05628	18368	57	04683	28125
260	5	63544	22128	57	61855	12167	50	01753	20128	54	01763	12114
275	57	22832	14268	53	02863	15226	04	00800	16211	5	64528	14368
279	57	62647	18368	87	02854	15367	04	01700	16114	20	01853	16314
285										23	01634	24415
288	03	05690	13314	57	22745	23268	52	62544	20168	57	02763	16166
525	8	02855	20215	45	01852	18214	5	64548	14468	57	25644	24185
301	52	62543	25168	57	22544	14168	50	05664	18224	00	05500	14313
321	5	05656	18218				52	62546	25168	53	05564	22125
290	50	05553	10303	5	64448	18368	5	62648	25268	5	62618	00268
292	53	05554	13325	02	02748	23368	02	62888	00068	52	08457	16168
310											47404	20314
614	83	25559	18387	52	61664	24268				53	03458	20128
338	23	02954	20326	13	02951	20215	10	01851	20213	54	08400	17314
334											92654	28315
340	5	02947	26267	57	02965	00026	5	01764	22114	07	04830	15113
136	08	05670	11413	5	05568	21218	62	60425	28368	02	62778	28168
336											46105	20249
350	5	63548	18288	52	61647	26268				57	05573	18166
308	23	01943	24385	27	02952	24327	40	00752	24282			
879	87	21857	20268	57	02774	22158	5	22678	22268	03	02890	24116
390	8	81458	12118	57	05565	23267	5	51548	28158	5	67348	20168
382	57	02865	23328	54	02866	00027	5	64568	00068	57	04661	00027
458	--	48309	22349									
430	87	02744	24227	57	6454	324168				57	05564	24226
400	84	01943	20214	50	01053	25214	00	00800	14211	05	01890	14314

III - Index Number of Station - See M.O. 252 or list issued on 1st of each month.
ww, W - Present and past weather - See M.O. 252.
h, N_h - Height and amount of low cloud - See M.O. 252.
N - Total amount of cloud - See M.O. 252.
C, C_u - 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. Monday 29th September
1 S.E. England	
2 E. England ...	Light southwest to west wind; fair to-day, a short period of rain to-night, probably fair again tomorrow: average temperature.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Light southwest to west wind; a short period of rain later to-day, then fair apart from local showers near the West Coast. Local morning fog; average temperature.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	As 1-3
10 N.E. England	
11 S.E. Scotland	Wind between south and west, light or moderate. Occasional rain or showers but bright intervals; average temperature.
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 west wind; thundery showers, bright intervals: 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 CHANGES 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 trough of low pressure is moving slowly east across the British Isles with a narrow belt of rain, and in its rear there will be bright intervals but local showers.

FURTHER OUTLOOK.

Unsettled but bright intervals.

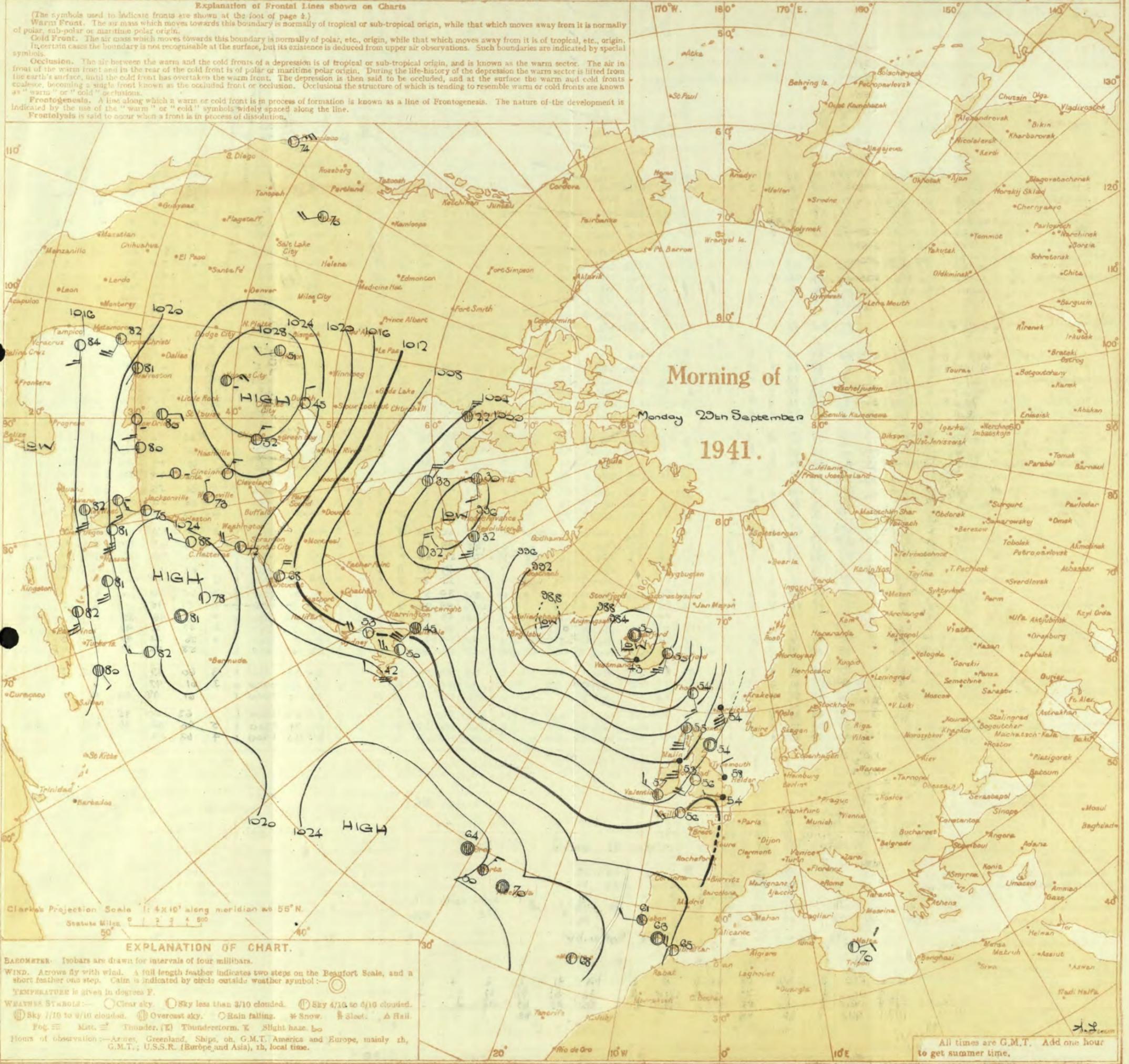
Forecasts issued at 1030 G.M.T.
H.M.S.O. Pres. Meteorological Office, Dunstable.

N. K. JOHNSON, D.Sc., A.R.O.S.
Director.
G. 202/4210. No. 0176. 0. 2034. 02. 200. 200. 2/41

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 29th September
1941.

Clark's Projection Scale 1:4x10⁷ along meridian at 55° N.
 Statute Miles 0 2 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circles outside weather symbol.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 5/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. * Snow. † Sleet. △ Hail. Fog. ≡ Mist. ≡ Thunder. (T) Thunderstorm. K Slight haze. L
Hours of observation:—Aries, 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.

Abridged observations of additional stations in the

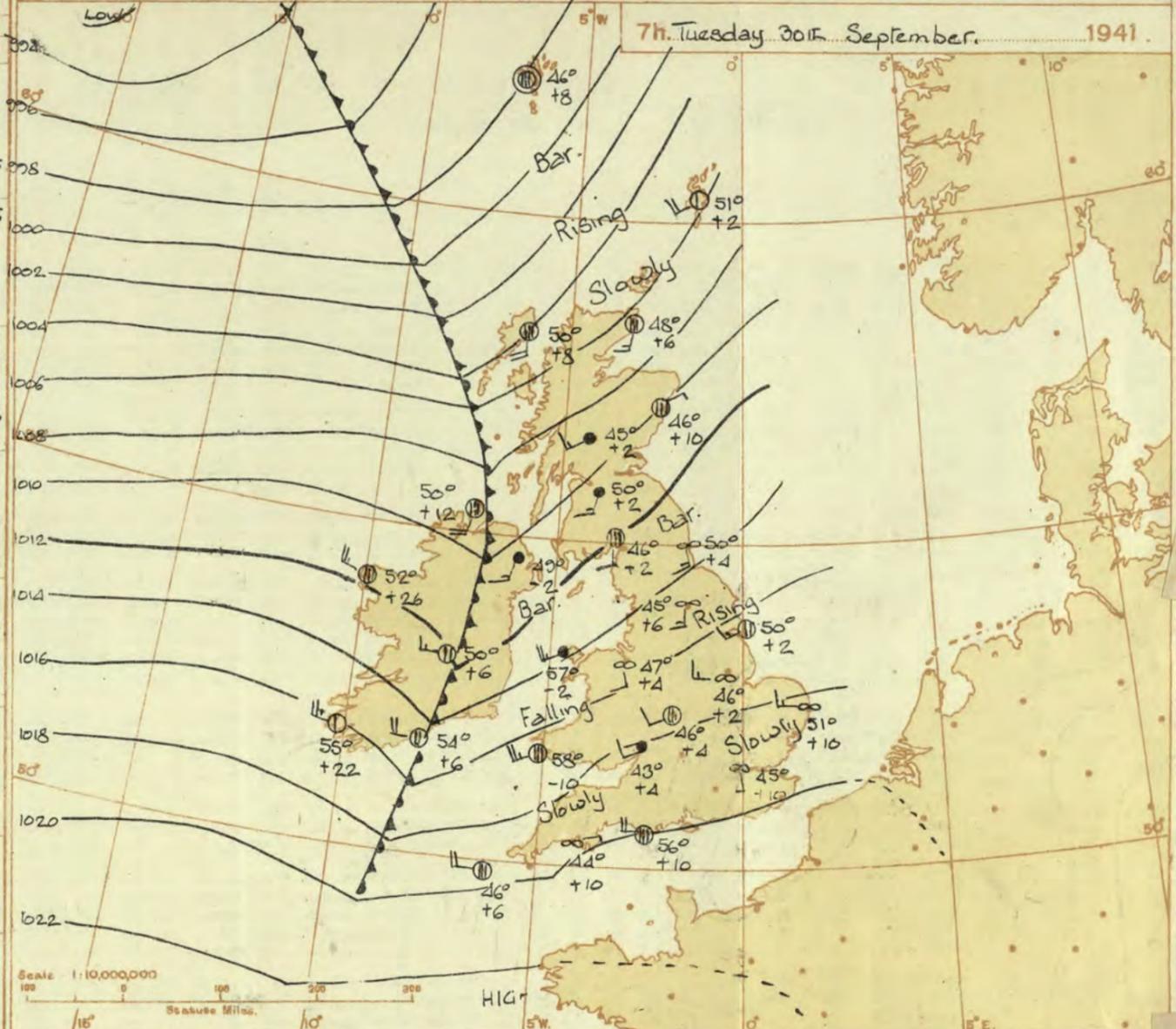
AVIATION WEATHER CODE

13h. G.M.T. 29th. September. G.M.T.				01h. G.M.T. 30th. September. G.M.T.				07h. G.M.T.				
III	C _w	wwVhN _h	DDFWN	C _w	wwVhN _h	DDFWN	C _w	wwVhN _h	DDFWN	C _w	wwVhN _h	DDFWN
109	57	02775	13427	02	02858	24468	50	00861	16401	59	02841	17514
115	52	02734	20387	34	10244	20465	54	81844	20485	54	81844	20485
203				21	02234	16498	3-	01943	16563	6-	64838	16668
206	5-	62858	18268	54	01963	22363	5-	01863	23313	33	02863	24225
210	52	62765	15227	50	00863	18263	50	01863	17303	57	02863	14315
220	80	01854	24304							80	02855	25185
230	83	02854	00065	2-	01954	20384	80	25854	20284	82	62747	20268
245	57	02755	14516	50	00951	22261	54	01853	18303	57	02763	28117
260	5-	61747	14427	84	00852	22363	50	01853	17303	57	02863	16317
278	8-	02853	22323	84	00852	22282	04	00852	20311	52	62744	19368
279	62	60545	18468	20	01863	20413	5-	02856	54616	62	61745	19487
285	23	02745	18516	20	01854	20414				27	02635	22487
288	10	05651	18411	5-	00863	21353	00	05650	20310	07	02750	16415
575	26	01854	24584	53	02855	55315	50	01853	22484	62	51847	22268
801	87	22745	24567	24	01853	25414	00	00790	18400	22	02754	22488
921	10	05662	18402	57	05656	20226	00	05550	18300	57	05563	18205
299	50	05644	22264	5-	02747	22327	50	00752	22202	5-	05554	22214
292	14	05650	17313	50	01944	22204	00	08420	10100	07	47320	13205
310				--	01635	20315				--	01645	20415
014	2-	02755	18415	57	05654	22126	00	04520	24100	07	47220	20144
333	2-	01954	24464	20	01862	21111	4-	01864	20404	62	62845	20568
334	--	02645	26316							--	03546	20328
340	62	21857	18458	20	00861	22282	00	00850	16202	23	01861	15315
126	17	02745	18367	07	05650	20327	03	05650	20263	06	05650	20206
336	13	02763	24325	24	01762	24313						
350	17	01763	18414	5-	02867	30327				07	05650	18225
363				40	00953	22413	2-	01743	00013			
570	10	01854	18414	57	02865	18267	00	05650	18100	83	02854	20416
890	57	43365	16268	07	05590	18226	00	05650	24110	07	44390	24147
382	18	01953	18314	77	02865	00027	00	04650	00000	07	04650	00015
435	02	616757	18267							51	01754	01415
430				05	02850	20125	00	00790	28120	07	44390	24228
400	50	01844	28214	20	00852	26212	00	00790	18210	57	02753	16316

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, Sh - Height and amount of low cloud - See M.O. 252.
 N - Total amount of cloud - See M.O. 252.
 C, C_w - 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 30th. September. 1941.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 30th. September, 1941.
1 S.E. England	Light or moderate S.W. - W. wind; mainly fair, but some very slight rain this evening; rather cool.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Light to moderate W.S.W. wind, veering W.; fair at first, cloudy with slight rain later today, then becoming fair again; rather cool.
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Moderate S.W. wind, veering W.N.W., fresh locally; cloudy or overcast with some rain at first, bright periods and showers spreading from west later; rather cool.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Moderate S.W. wind, fresh at exposed places; bright periods and occasional showers at first, overcast with some rain later; cool.
12 S.W. Scotland & Isle of Man.	
13A. W. Scotland	Moderate or fresh W.N.W. wind; bright intervals and showers; rather cool.
13B. N.W. Scotland	
14 Mid Scotland	Moderate or fresh W.N.W. wind; bright intervals and showers; rather cool.
15 N. E. Scotland	
16 Orkneys and Shetlands	Moderate or fresh W.N.W. wind; bright intervals and showers; 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 origins 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
 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 is centred off S.W. Iceland, and a trough of low pressure over Ireland is moving east. Rain will spread eastwards across the country, reaching East England by evening, but will be very slight in the South. There will be bright intervals later with occasional showers, especially in the North. It will be rather cool generally.

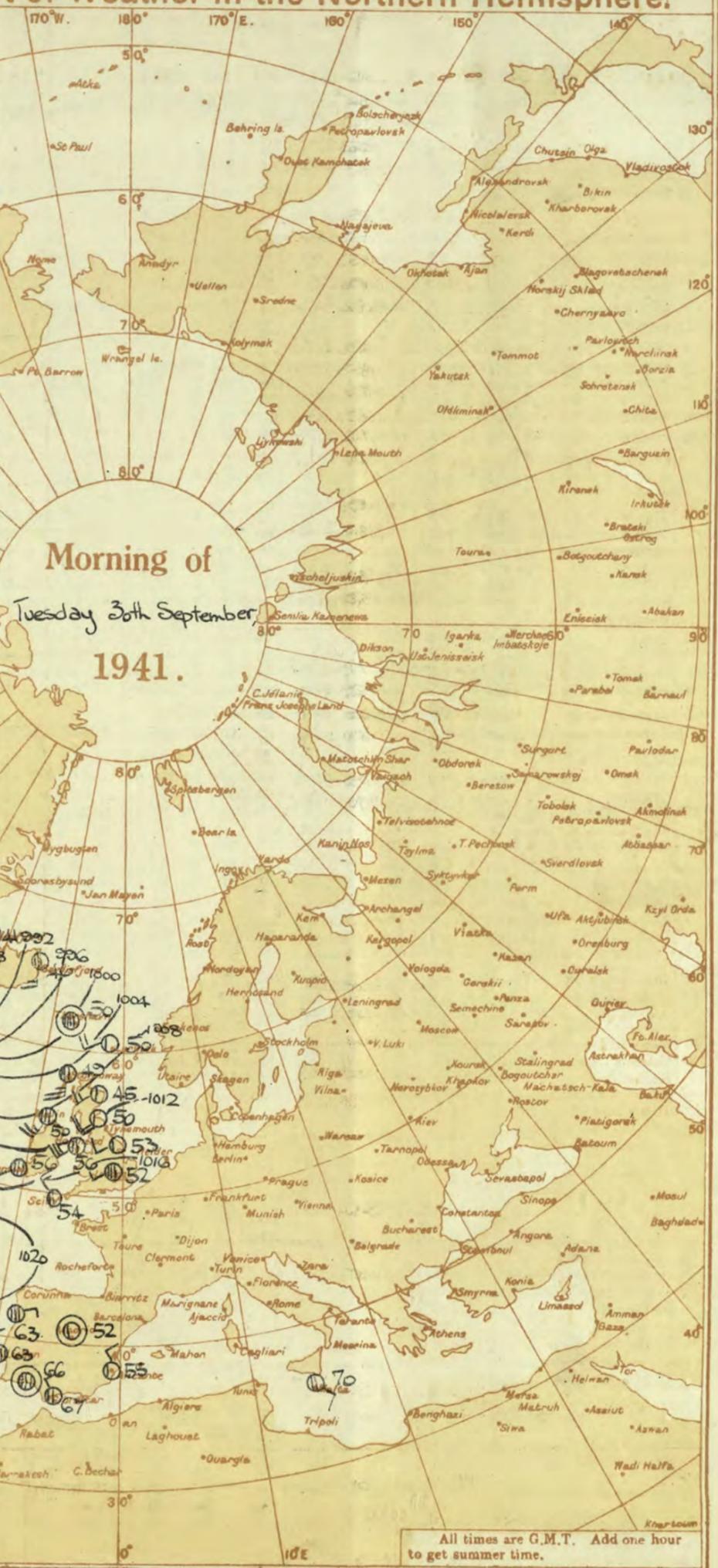
FURTHER OUTLOOK.
 Cool westerly winds continuing; bright periods generally, but occasional showers, especially in the North.

Forecasts issued at 1030h. G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S. Director.
 H.M.S.O. Press, Meteorological Office, Dunstable. 0269/4120. W. 5176. D. 8054. Sp. 348-3500 8/41

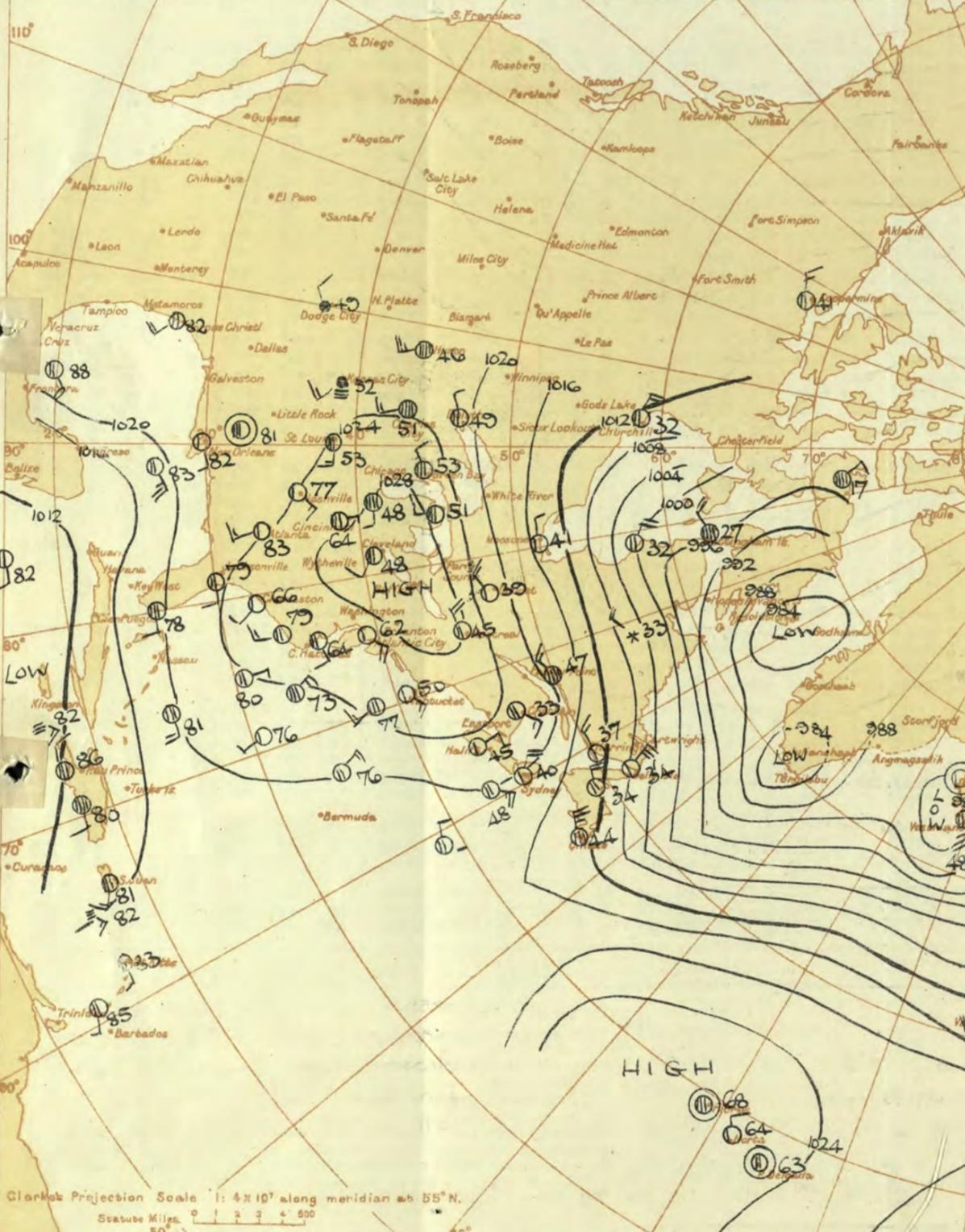
AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

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.



Morning of
 Tuesday 30th September
 1941.



Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ☉ Clear sky. ☁ Sky less than 2/10 clouded. ☁☁ Sky 4/10 to 6/10 clouded. ☁☁☁ Sky 7/10 to 9/10 clouded. ☁☁☁☁ Overcast sky. ☁☁☁☁☁ Rain falling. * Snow. ⚡ Hail. ☁☁☁☁☁ Fog. ☁☁☁☁☁ Mist. ☁☁☁☁☁ Thunder. ☁☁☁☁☁ Thunderstorm. ☁☁☁☁☁ Slight haze. ☁☁☁☁☁
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. 30th September

OBSERVATIONS at 7 hr. G.M.T. 30th September

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. (6)	Humid. % (7)	Visibility (8)	Cloud.			Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. (20)	Humid. % (21)	Visibility (22)	Cloud.			State of Ground. (29)	Secs. (30)	TEMPERATURE.			RAINFALL.		Sea-Boins (36)						
					Dirce. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (14)			Dirce. (17)	Force. (18)					Form. (23)	Amount. (24)	Height of Base. (28)			Max. Day 7h-15h (31)	Min. Night 15h-7h (32)	Min. on Grass (33)	Day 7h-15h (34)	Night 15h-7h (35)		29th (37)					
																																		Low. (11)	Med. (12)	High. (13)	Low. (25)	Med. (26)
1	London (Kew)	18											1019.3	+10	SW	1	Zo	49	92	6	7	6	0	9	1		62	48	33	Tr	Tr	1.5						
	Croydon	217	1017.4	+4	SW	1	c	52	97	7	-	7	0	10	-	-	-	45	97	6	5	7	6	0	9	1	62	44	41	0.1	Tr	1.1						
	S. Farnborough	226	1017.7	+6	NW	1	Zo	51	95	6	-	4	0	1	-	-	-	43	92	6	5	7	2	2.3	7.8	4000	0	64	38	31	0.2	Tr	5.8					
	Boscombe Down	417	1018.6	+10	NW	1	Zo	51	92	6	-	-	0	0	-	-	-	42	97	6	5	7	2	2.3	7.8	4000	0	65	43	38	-	0.3	0.0					
	Thorney Island	10	1017.4	+2	NW	1	Zo	51	92	6	-	-	0	0	-	-	-	48	97	6	-	7	-	0	9	0	60	46	46	2	1	0.1	0.0					
Lympe	346	1018.0	0	W	1	bc	49	97	7	-	8	0	2.3	-	-	-	51	97	4	-	7	-	0	9	0	60	49	45	-	-	0.0							
Manston	154	1017.2	0	W/N	1	Zo	52	97	6	5	7	6	1	9	3000	1019.3	+8	NW	1	Zo	55	85	6	5	7	-	7.8	9	6000	1	60	49	45	-	0.0			
2	Shoeburyness	11											1018.6	+12	WNW	1	c	48	92	6	5	5	4	4.6	7.8	5700	1	61	47	44	1	-	0.0					
	Felixstowe	15	1016.3	+2	W	3	Zo	55	92	5	-	7	0	2.3	-	-	52	85	6	5	7	-	Tr	9	5500	1	2	61	52	48	1	-	0.0					
	Gorleston	5	1016.4	+4	W/S	2	Zo	53	92	5	-	-	0	0	-	-	51	92	6	5	4	-	4.6	7.8	2000	1	2	60	51	46	1	-	0.0					
	Mildenhall	19	1017.0	+8	W/N	2	Zo	52	97	6	-	7	0	4.6	-	-	46	97	6	-	9	-	0	9	-	1	62	44	34	0.4	Tr	0.0						
Cranwell	240	1016.4	+6	WSW	2	Zo	46	85	6	-	7	1	0	1	-	-	46	92	6	-	4	2	0	4.6	-	1	56	45	39	Tr	Tr	4.7						
3	Birmingham	535											1017.8	+7	SW	2	c	46	92	7	5	7	6	2.3	7.8	2500	1	63	44	40	0.4	-	5.6					
	Upper Heyford	408	1017.7	+6	W	1	f	46	97	2	-	3	0	1	-	-	43	97	6	5	7	8	Tr	4.6	6000	1	6	42	39	33	Tr	Tr	6.5					
4	Ross-on-Wye	223											1018.0	+4	SW	2	id.	43	97	6	8	-	1	7.8	9	2500	1	6	42	38	33	Tr	Tr	6.5				
5	Hartland Point	299	1017.6	+4	W	4	bc	56	75	8	1	-	2.3	2.3	4800	1017.7	+10	W	4	c	57	85	8	8	2	-	7.8	9	2100	0	4	59	55	51	1	-	7.1	
	Bristol	209	1018.3	+4	-	0	bc	45	92	6	5	-	Tr	Tr	3000	1018.9	+6	SSW	3	c	52	85	7	5	-	-	9	9	2400	1	6	65	48	31	0.3	-	5.1	
	Portland Bill	32	1018.1	+10	NW	4	bc	56	92	7	5	-	4.6	4.6	2500	1019.5	+10	W	4	c	56	92	8	8	7	-	7.8	10	2500	1	4	61	54	40	0.5	Tr	6.5	
	Plymouth	82	1019.5	+8	SE	1	b	43	97	7	-	-	0	0	-	1020.5	+10	ESE	1	Zo	44	97	6	5	-	7.8	9	3000	1	2	61	41	40	0.5	Tr	6.5		
	The Lizard	240	1019.0	0	W/N	3	bc	54	85	8	4	-	2.3	2.3	2500	1019.8	+8	W	4	bc	55	92	8	4	-	4.6	4.6	2500	1	4	62	53	3	-	-	7.5		
	Scilly (St. Mary's)	163	1019.0	+2	W/N	3	bc	54	85	8	5	-	2	1	2.3	1500	1019.3	+6	W	4	c	56	85	8	5	7	-	4.6	9	1200	1	4	63	53	0.3	-	7.5	
Guernsey	175																																					
6	Pembroke	142	1016.6	+2	WSW	6	bc	53	65	8	-	6	0	2.3	-	-	1016.7	+10	SSW	6	c	58	85	8	8	6	-	4.6	7.8	4000	1	4	59	56	50	2	-	6.7
	Holyhead (Valley)	26	1013.7	+6	SW	6	bc	56	75	8	5	-	4.6	4.6	2500	1013.3	-2	SW	5	ir	57	85	6	5	2	-	4.6	10	600	1	4	60	50	50	Tr	Tr	6.0	
	Chester (Sealand)	16	1015.6	+6	SSE	3	bc	47	85	6	-	4	6	0	4.6	-	-	47	92	6	5	7	6	4.6	9	3000	1	6	62	46	39	Tr	Tr	5.8				
8	Manchester	70	1015.5	+6	S/E	2	Zo	44	92	6	-	4	1	0	1	-	1015.5	+2	S	3	Zo	47	92	6	5	9	1	1	9	3000	1	6	61	39	33	0.6	-	5.8
10	Spurn Head	29	1015.9	+4	SW/S	2	b	53	85	7	-	-	0	0	-	1016.3	+2	SW	3	bc	50	85	7	5	9	-	2.3	9	4000	0	3	63	48	44	1	-	4.3	
	Catterick	175	1014.5	+6	S	2	Zo	48	85	6	2	-	2.3	2.3	2500	1014.6	+6	S	3	Zo	45	92	5	8	7	-	2.3	9	2200	0	6	65	43	38	Tr	Tr	5.9	
Tynemouth	108	1013.3	+4	SW	4	Zo	50	85	6	-	-	0	0	-	-	1013.4	+4	SSE	3	Zo	50	85	6	8	-	7.8	7.8	2200	1	3	63	48	44	-	-	5.9		
11	St. Abbs Head	280	1010.3	0	S	2	bc	45	85	8	4	4	-	2.3	2.3	2500	1010.7	+2	SW	5	c	49	85	9	5	4	-	4.6	9	2500	1	3	61	44	37	0.4	-	4.4
	Leuchars	36	1009.0	+2	W	2	b	46	85	7	5	-	1	1	2500	1010.0	+2	SSW	1	c	46	92	8	5	7	-	2.3	7.8	1800	0	6	61	45	37	0.4	-	4.4	
12	Renfrew (Abbots L.)	19	1009.5	+2	SW/W	3	b	50	85	7	2	-	Tr	Tr	2000	1010.0	+2	SW	3	rr	50	85	5	6	2	-	7.8	10	1000	0	6	47	36	11	1	-	2.0	
	Eskdalemuir	794																																				
Point of Ayr	30	1011.7	0	W/S	5	b	52	85	8	4	-	1	1	1800	1011.4	+2	S	2	c	46	92	8	5	-	7	9	1500	1	6	55	41	33	2	1	1.9			
Tires	22	1008.7	+2	SSW	4	bc	52	85	7	8	-	4.6	4.6	1800	1012.1	0	SW/W	4	bc	50	92	8	9	2	-	10	10	4000	1	3	59	49	3	1	-	5.2		
13A	Stornoway	80	1002.5	+2	S	5	c/pr	49	75	7	8	7	-	4.6	9	2500	1003.6	+8	S	4	c/pr	50	85	8	8	7	-	7.8	9	2000	1	2	56	49	1	3	1.7	
13B	Dalwhinnie	1170																																				
15	Aberdeen	79																																				
Wick	119	1005.7	-4	SW	3	bc	48	85	8	5	-	2.3	2.3	2000	1006.9	+6	SW	3	c	48	85	9	5	7	9	2.3	7.8	7200	1	6	57	44	6	0.1	-	3.7		
16	Sumburgh	30	1005.6	+14	WSW	4	b	50	85	8	-	0	0	-	-	1006.6	+2	SW	4	b	51	85	8	1	3	1	Tr	1	1200	1	6	56	49	45	-	0.1	0.0	
17	Blackod Point	18	1008.2	-2	WSW	6	PR	53	75	7	9	-	10	10	1500	1011.1	+26	WNW	5	c/pr	52	75	8	9	-	7.8	7.8	1600	1	4	58	48	1	4	-	6.0		
18	Malin Head	84	1007.0	+2	SW	5	c/pr	50	75	6	3	-	7.																									