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THE DAILY WEATHER REPORT

BRITISH SECTION

1st July to 30th September

1940

METEOROLOGICAL OFFICE
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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 12.30 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 nine 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 British health resorts for the previous day, arranged under forecast districts.

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

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

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

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

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

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

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

Sector.	Hour of Observation.
U.S.S.R. (approx. 170° E. to 30° E.)	7h. local time.
30° E. to 40° W.	6h. or 7h. G.M.T. (Azores 8h.).
40° W. to 170° W.	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.).	1h. local time.
30° E. to 170° W.	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 3.30 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.

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.

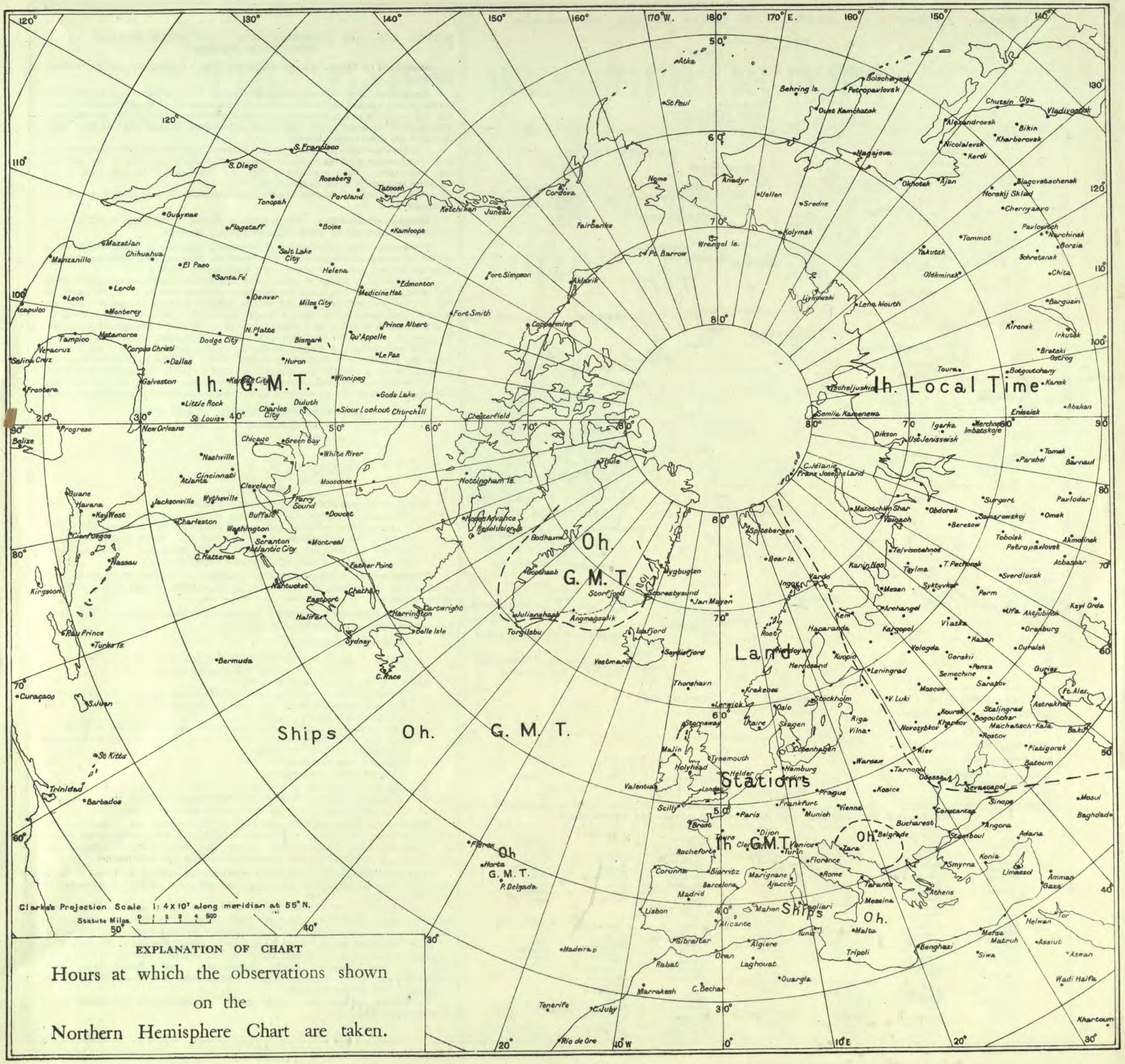
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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.

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



EXPLANATION OF CHART

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

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND

Stations printed on pp. 1 and 4 are shown in capitals—LERWICK.
Stations whose observations are given on page 2 are shown thus :— 115 Cape Wrath.

FORECAST DISTRICTS and the Counties comprised within them

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14. *Mid Scotland.*
Perth.

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

16. *Orkneys and Shetlands.*

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

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

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

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

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT

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

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

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

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

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

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

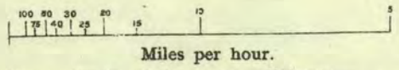
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the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

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

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

GEOSTROPHIC WIND SCALE FOR

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



Miles per hour.

This scale applies under the following conditions :—

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

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

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

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

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

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

where x is the vapour pressure in mb.

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

The entries in columns 7 and 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.

H.M.S.O. Press, Cornwall House, S.E.1.

G.98/3975. m. 8050 A. D.3714. Gp.948 300. 11/40.

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THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY SUPPLEMENT,
AUGUST 1940 No. 284

VERY DRY. MAINLY FINE ESPECIALLY IN THE SOUTH.

Anticyclonic conditions persisted during the first fortnight and weather was warm and very dry especially in the South. It was less settled in the extreme North, but precipitation was generally slight and sunshine values good. On the 19-20th a deep depression moved southeast from Iceland and caused strong northwesterly winds or gales with a marked fall of temperature, especially in the Southeast where maxima fell some 15°F. The next few days were mainly cloudy and cool with showers in the North. High pressure again became established over the South by the 26th with fair and warm weather to the end of the month.

An almost complete absence of thunderstorms contributed to the general deficiency of rainfall and such daily amounts as were recorded were not large, except locally in Scotland; 27mm on 9th, and 18mm on 20th at Eskdalemuir, and 26 mm on 20th at Renfrew. The extraordinary dryness is emphasised by the fact that at at least twelve stations the month was easily the driest August on record. Less than 5mm fell at some stations in the South and East, Calshot had only 0·4mm on one day. Ireland was very dry also; Valentia with 10mm had only about 9% of it's average.

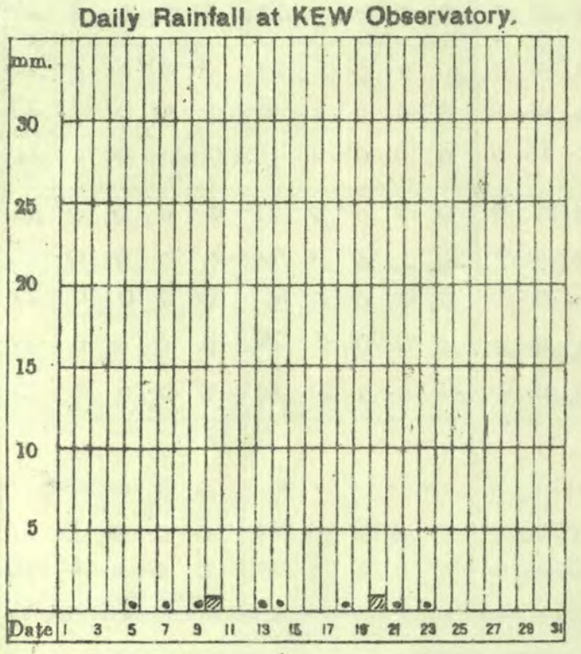
Gales were confined to the North and occurred between 10th and 14th and 21st and 24th.

Fog was infrequent, occurring locally in Scotland, coastal districts and in the Midlands.

Sunshine values were good during the first fortnight. Tiree reported 14·3hrs on the 1st. The monthly totals were generally about average.

Temperature for the month was about the average, but was rather warm at the beginning and end. Maxima exceeded 80°F on a few days. The highest recorded was 86°F at Birr Castle on 2nd, 84°F in London on 18th and 84°F at Cranwell on 31st. Ground frost occurred in the London area on 24th.

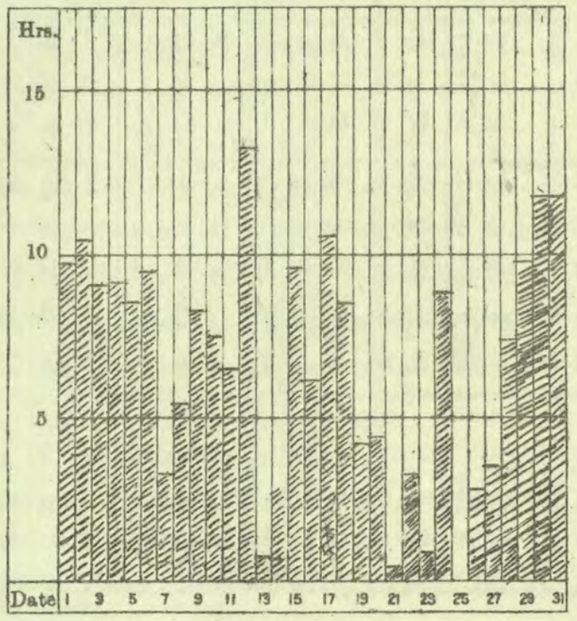
Daily Rainfall at KEW Observatory.



● = Less than 0·5 mm.

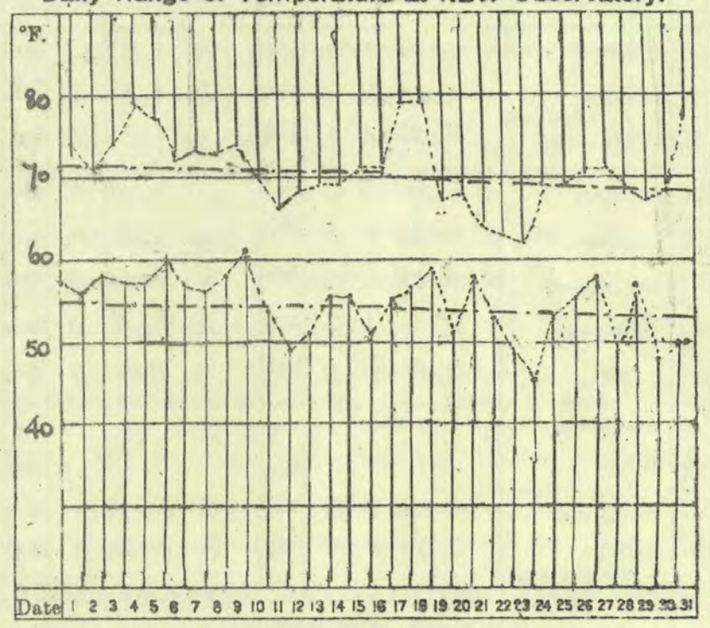
RAINFALL. Total for Month. 2 mm.

Daily Sunshine at KEW Observatory



SUNSHINE. Total for Month. 208 hrs.

Daily Range of Temperature at KEW Observatory.



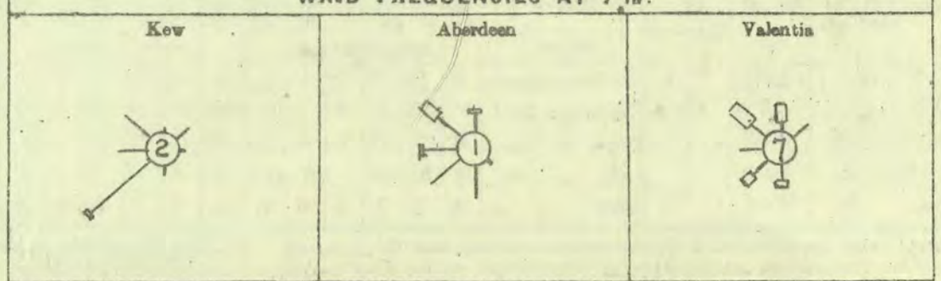
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb.	mb.	°F.	°F.
Kew	1021·2	+5·9	62·7	0·0
Aberdeen	1015·8	+4·3	56·4	−0·3
Valentia	1024·5	+9·8	60·0	+1·2

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

WIND FREQUENCIES AT 7 hr.



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

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

	miles.
Kew ...	5,414
Aberdeen ...	5,571
Lerwick ...	13,286
Valentia ...	6,870

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District.	Stations.	† TEMPERATURE. Number of daily readings within fixed limits. Maximum. 51° – 59°	60° – 68°	69° – 77°	78° – 86°	Average Maximum.	Minimum. 33° – 41°	42° – 50°	51° – 59°	60° – 68°	Average Minimum.	Extremes—Warmest and Coldest. Days. Highest Max.	Date.	Lowest Max.	Date.	Nights. Highest Min.	Date.	Lowest Min.	Date.	Number of Ground Frosts.	LOW CLOUD. Number of observations within fixed limits. 7 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18 h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	FOG, MIST and GOOD VISIBILITY. Number of observations within fixed limits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
						°F.					°F.	°F.		°F.		°F.		°F.																					
1	London ... (Kew Obsy).	0	9	18	4	70·5	0	6	23	2	55·0	79	4, 17, 18	62	23	61	10	45	24	1	0	24	0	0	25	0	0	25	0	0	0	0	0	14	0	0	0	0	27
	Croydon ...					70·1					54·0																												
	Calshot** ... (Southampton)	0	7	24	0	67·7	0	7	21	3	55·5	76	18	66	21	61	19	47	12	0	4	16	3	1	26	1	0	19	3	0	0	0	1	17	0	0	0	0	26
	Lympne ...					67·9					53·6																												
2	Shoeburyness ...	0	13	14	4	71·0	0	8	22	1	54·1	82	18	63	21, 23	60	10	43	24	0	1	15	2	0	22	3	0	19	2	0	0	0	0	13	0	0	0	0	23
	Gorleston ...	2	20	8	1	68·0	0	7	24	0	55·0	81	21	58	21	58	1, 4, 10, 17, 26	44	28	0	1	23	0	1	25	0	2	21	0	0	0	0	0	10	0	0	1	0	20
	Cranwell ...	0	14	14	3	68·9	1	11	19	0	51·7	84	31	61	21, 27	59	10, 14	40	24	0	2	21	1	1	27	0	1	18	2	0	1	0	0	15	0	0	0	0	21
3	Birmingham ... (Edgbaston)	0	19	10	2	67·7	0	7	24	0	52·9	81	31	60	21	58	5, 10, 17, 29	45	12	0	0	24	0	0	25	0	0	27	0	0	0	0	2	15	0	0	0	0	31
4	Ross-on-Wye ...	0	11	18	2	68·5	1	10	19	1	52·6	78	4, 17	63	21	60	29	40	12	0	1	26	0	0	28	0	0	27	0	0	1	1	0	22	0	0	0	0	30
5	The Lizard ...	0	22	9	0	*	0	1	30	0	*	72	6	62	3	59	19, 29	49	12	*	0	27	0	0	30	0	0	29	0	0	0	0	0	27	0	0	0	2	29
7	Holyhead ...	0	30	1	0	63·0	0	1	29	1	55·1	73	2	60	14, 22, 23, 25	60	2	49	28	0	3	24	1	1	26	1	3	24	0	0	0	0	0	27	0	0	0	0	30
8	Chester ... (Sealand)	0	23	6	2	67·1	0	7	23	1	51·9	81	1	61	11, 21, 22, 23, 27, 28	61	9	42	28	0	4	20	2	2	23	1	2	24	1	0	0	0	2	16	0	0	0	1	27
10	Tynemouth ...	5	22	4	0	63·8	0	7	22	2	53·1	77	4	55	23	61	31	42	24	0	0	30	0	0	30	0	0	30	0	0	0	0	1	12	0	0	0	0	24
11	Leuchars ...	1	22	8	0	64·5	1	11	19	0	49·4	75	3	59	23	58	31	40	24	0	5	21	1	3	27	0	4	25	0	0	0	1	0	25	0	0	0	0	29
12	Renfrew ...	0	26	4	1	64·3	3	9	19	0	50·0	80	8	60	10, 24, 26	59	31	40	28	0	6	22	2	4	25	0	2	26	0	0	1	0	1	24	0	0	0	0	26
	Eskdalemuir ...	11	17	3	0	62·1	5	16	10	0	47·5	77	2	57	8, 30	56	31	34	24	2	10	18	0	6	25	0	6	23	0	0	0	0	0	19	0	0	0	0	22
13B	Stornoway	19	11	1	0	60·3	0	13	18	0	50·0	70	3	54	23	58	31	43	27, 28	*	7	23	0	4	26	0	4	26	0	0	0	0	0	25	0	0	0	0	25
15	Aberdeen ..	7	16	8	0	62·6	1	8	12	0	50·7	75	17	54	23, 28	56	10	41	28	0	4	20	2	1	29	0	2	26	0	0	0	0	0	24	0	0	0	0	27
18	Aldergrove ...					*					*																												
19	Dublin ... (Phœnix Park)					66·3					50·1										*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Birr Castle ...	0	18	11	2	65·1	0	8	23	0	51·3	86	2	64	10, 12, 18	59	9	42	12	0	0	25	0	0	27	0	0	26	0	0	0	0	0	31	0	0	0	0	31
20	Valentia ... (Cahirciveen)	0	27	4	0	63·1	0	3	26	2	54·5	75	1	62	18	60	28	46	12	0	5	24	0	9	21	1	6	25	0	0	1	0	0	28	0	0	0	0	26

UPPER AIR TEMPERATURE.

Pressure. mb.	Normal Height. Feet.	Mildenhall. Normal Temp. °F.	Mean. °F.	No. of Reports.	Aldergrove. Mean. °F.	No. of Reports.	Scilly Mean. °F.	No. of Reports.
950	1830	57·3	56·2	62	53·7	62	54·5	31
850	4850	46·7	46·2	62	48·7	62	48·0	31
750	8200	37·6	39·5	62	40·4	62	42·2	31
650	11940	26·7	29·8	62	30·7	62	32·0	31
550	16200	12·1	17·1	62	17·4	62	17·5	31

UPPER WINDS.

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

Station Height. Metres.	Lympne. No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Plymouth (Mt. Batten). No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Holyhead. No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Renfrew. No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Station Height. Metres.
		kilometres per hour.						kilometres per hour.						kilometres per hour.						kilometres per hour.					
500 above ground.	70	30	31	6	0	0	86	45	31	4	0	0	39	15	18	6	0	0	95	21	51	20	1	0	500 above ground.
1000 above M.S.L.	61	28	21	8	1	0	69	37	23	4	2	0	28	11	14	3	0	0	65	18	34	11	1	1	1000 above M.S.L.
2000 „ „	31	11	18	2	0	0	39	22	13	3	1	0	11	5	5	1	0	0	23	5	14	4	0	0	2000 „ „
3000 „ „	18	3	14	1	0	0	26	9	15	1	0	0	5	1	2	2	0	0	7	1	6	0	0	0	3000 „ „
4000 „ „	10	3	3	3	0	0	14	5	7	2	0	0	2	1	1	0	0	0	2	2	0	0	0	0	4000 „ „

† The readings and averages used, are, except in the case of Phœnix Park, the maximum for the period 7 h.–18 h., and the minimum for the period 18 h.–7 h. The readings and averages for Phœnix Park are for daily periods ending 21 h. Averages are for periods of at least 10 years (See M.O. 364).

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

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

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

SUNSHINE, RAINFALL, AND HUMIDITY — AUGUST 1940

District.	Stations.	Sunshine: Number of Days with Duration: Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration: Hours.	Date.	Total for past 12 months. Hours.	Difference from average. Hours.	Total for Month. Hours.	Difference from average. Hours.	Highest and Lowest Totals on record for Month: First year of record.	Highest. Hrs.	Year.	Lowest. Hrs.	Year.
1	London ... (Kew Obsy).	1	5	6	9	10	13·2	12	1589	+120	208	+25	1880	262	'99	109	'12
	Croydon ...												1922	260	'23	136	'31
	Calshot** ... (Southampton)	0	5	5	5	16	14·1	12	1842	+96	239	+39	1881	294	'99	100	'12
	Lympne ...	0	7	7	4	13	13·3	16	1776	+11	214	+1	1921	283	'33	167	'25
2	Shoeburyness ...	1	6	6	9	9	11·6	31	1625	−91	192	−19	1919	263	'33	167	'36
	Gorleston ...	2	9	7	7	6	11·7	31	*	*	160	−37	1908	249	'23	116	'12
	Cranwell ...	1	11	5	6	8	12·6	17	1533	−5	181	−4	1921	225	'33	139	'25
3	Birmingham ... (Edgbaston)	1	7	9	8	6	12·1	31	1361	+57	178	+15	1887	247	'99	85	'96
4	Ross-on-Wye ...	1	6	8	7	9	14·0	1	1549	+64	207	+35	1915	244	'33	107	'22
5	Falmouth ... (Observatory)	0	5	8	4	14	13·6	11	1817	+107	226	+30	1881	297	'99	104	'12
7	Holyhead ...	2	8	9	6	6	14·1	3	1594	+44	169	−2	1914	212	'14	139	'20, '21
8	Chester ... (Sealand)	1	15	3	5	7	12·7	3	1483	+107	157	−2	1928	193	'26	125	'24
10	Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	1935	*	*	*	*
11	Leuchars ...	0	10	10	7	4	12·4	4	1375	−95	148	−7	1922	202	'33	102	'24
12	Renfrew ...	4	10	6	6	5	11·4	3	1198	+5	128	−1	1921	165	'26	93	'32
	Eskdalemuir ...	3	12	6	3	7	13·6	3	1283	+82	137	+16	1910	197	'11	44	'12
13B	Stornoway .	5	11	7	4	4	13·5	3	1136	−79	117	−11	1881	262	'99	83	'35
15	Aberdeen ...	0	10	9	7	5	13·4	4	1318	−11	157	+17	1881	199	'38	67	'12
18	Aldergrove ...								1257	*	114	*	1927	182	'31	103	'34
19	Dublin ... (Phœnix Park)												1881	252	'99	67	'12
	Birr Castle ...	3	14	3	6	5	11·5	31	1320	+14	125	−12	1881	236	'99	70	'94
20	Valentia ... (Cahirciveen)	4	10	5	4	8	12·7	2	1660	+232	146	−2	1880	279	'99	87	'94

District.	Stations.	Rainfall: ‡ Number of days with amount: 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months. mm.	Difference from Average. mm.	Total for Month.‡ mm.	Difference from Average. mm.	Highest and Lowest Totals on record for Month: First year of record.	Highest. mm.	Year.	Lowest. mm.	Year.	Days with Thunder.	Days with Snow or Sleet.
1	London ... (Kew Obsy).	28	2	1	0	0	0	1	10	642	+36	2	−55	1856	165	'78	11	'99	0	0
	Croydon ...													1921	106	'31	20	'33		
	Calshot** ... (Southampton)	30	1	0	0	0	0	0·4	10	722	+76	0	−51	1871	174	'78	6	'36	1	0
	Lympne ...	28	2	1	0	0	0	1	18	808	+84	2	−57	1920	127	'35	19	'32, '33	0	0
2	Shoeburyness ...	27	3	1	0	0	0	3	7	614	+111	4	−41	1920	89	'31	10	'33	0	0
	Gorleston ...	22	2	6	1	0	0	5	18	659	+37	20	−43	1871	208	'12	7	'37	0	0
	Cranwell ...	26	2	3	0	0	0	5	18	554	−36	10	−59	1917	99	'17	11	'87	0	0
3	Birmingham ... (Edgbaston)	24	5	2	0	0	0	2	9	740	+66	6	−63	1893	173	'12	20	'39	0	0
4	Ross-on-Wye ...	29	0	2	0	0	0	5	9	637	−80	7	−58	1859	202	'78	4	'36	0	0
5	Falmouth ... (Observatory)	26	3	2	0	0	0	2	20	955	−152	4	−79	1871	267	'12	12	'36, '37	0	0
7	Holyhead ...	21	8	1	1	0	0	9	18	789	−98	14	−67	1871	227	'17	18	'99	0	0
8	Chester ... (Sealand)	20	6	5	0	0	0	3	18	704	+66	12	−68	1922	150	'31	27	'32	0	0
10	Tynemouth ...	20	3	7	1	0	0	10	20	738	+117	32	−38	1915	138	'17	24	'18	0	0
11	Leuchars ...	21	4	5	1	0	0	12	20	682	+29	27	−51	1922	192	'30	9	'32	0	0
12	Renfrew ...	18	5	7	0	0	1	26	20	816	−123	49	−43	1921	149	'29	28	'32	0	0
	Eskdalemuir ...	14	6	6	3	2	0	18	20	1208	−221	71	−60	1910	262	'23	46	'31	0	0
13B	Stornoway .	7	10	8	6	0	0	11	31	940	−326	82	−19	1870	217	'03	18	'80	0	0
15	Aberdeen ...	13	7	8	3	0	0	9	26	750	+2	45	−25	1871	176	'77	19	'99	0	0
18	Aldergrove ...									871	+33	17	−74	1926	155	'29	36	'35		
19	Dublin ... (Phœnix Park)													1865	185	'17	19	'13, '33		
	Birr Castle ...	16	13	2	0	0	0	3	9, 27	751	−76	13	−84	1862	228	'17	30	'09	0	0
20	Valentia ... (Cahirciveen)	19	9	3	0	0	0	2	26	1205	−209	10	−112	1866	228	'28	20	'09	0	0

MINIMUM SURFACE HUMIDITY.

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

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

STATE OF GROUND AT 18 h.

No. of Days each type was recorded.

Stations.	0	1	2	3	4	5	6	7	8	9
London (Kew)	30	1	0	0	0	0	0	0	0	0
Ross-on-Wye	30	1	0	0	0	0	0	0	0	0
Renfrew ...	19	12	0	0	0	0	0	0	0	0
Eskdalemuir	9	22	0	0	0	0	0	0	0	0
Aberdeen ...	19	12	0	0	0	0	0	0	0	0
Valentia ...	29	2	0	0	0	0	0	0	0	0

CODE for State of Ground.

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

** The extremes of rainfall and sunshine from Calshot are supplemented by those from Southampton.

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

PRESSURE: ICELAND TO GULF OF LIONS AUGUST 1940

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.

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

H.M.S.O. Press Cornwall House S.E.1.

G.22/9993. m.8048. 0.3702. Gp.548.300. 9/40.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Thursday 1st August, 1940.

No. 28,742

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	1025.7	-4	NE	2	c	71	55	7	7	-	1	4-6	7-8	4000
	Croydon	1025.1	-2	ENE	2	bc	71	55	6	1	-	-	4-6	4-6	3500
	S. Farnborough	1025.2	-8	N	3	bc	73	65	7	1	-	2	2-3	4-6	4000
	Boscombe Down	1025.5	-4	N'E	3	bc	71	56	8	1	-	1	2-3	2-3	3500
	Calshot (Soton.)	1028.1	-6	N'E	2	bc	73	65	7	1	-	8	1	7-8	4000
	Lympne	1025.4	+2	WNW	2	z_o	67	75	6	1	-	-	9	9	2800
	Manston	1025.5	0	NNE	3	z_o	70	65	5	1	-	7	4-6	9	3000
2	Shoeburyness	1025.6	0	SE	2	c	70	75	7	8	-	-	9	9	4000
	Felixstowe	1025.8	+6	N'E	3	c	71	65	7	8	-	-	9+	9+	2500
	Gorleston	1025.3	+6	NNE	4	c	64	76	7	7	4	1	2-3	7-8	2500
	Mildenhall	1025.7	-2	N	2	c	70	85	8	7	-	-	7-8	7-8	4000
	Cranwell	1026.0	0	NNE	2	z_o	72	55	6	1	3	1	Tr	4-6	4000
3	Birmingham	1026.4	-2	NNW	3	z_o	68	65	7	1	-	2	Tr	4-6	4000
	Upper Heyford	1025.8	-6	N'E	3	z_o	71	65	6	1	-	2	4-6	7-8	3000
4	Ross-on-Wye	1025.9	-4	N'W	3	c	68	65	7	5	-	1	7-8	9	4000
5	Hartland Point	1026.9	-2	NE	2	bc	64	85	8	1	-	5	1	2-3	2500
	Bristol	1026.6	-2	NNE	3	c	69	75	8	7	6	2	4-6	7-8	3000
	Portland Bill	1026.2	-6	W	2	bc	66	86	8	1	-	-	2-3	2-3	4000
	Plymouth	1026.3	-2	SSW	2	z_o	64	86	8	5	-	-	9+	9+	4000
	The Lizard	1026.4	0	E'N	2	c	69	75	7	8	-	-	7-8	7-8	2700
	Scilly (St. Mary's)	1026.6	-4	NE	3	bc	69	75	7	1	4	4	Tr	2-3	4000
	Guernsey														
6	Pembroke	1026.5	-4	NNE	2	c	70	65	8	8	7	1	4-6	7-8	2500
7	Holyhead	1028.0	+2	N'W	2	c	64	75	9	4	3	2	2-3	7-8	4000
	Chester (Sealand)	1027.3	-2	NW	3	c	64	75	8	5	-	-	9	9	2500
8	Manchester	1026.9	+2	WNW	3	bc	67	75	7	5	3	1	2-3	2-3	2800
10	Spurn Head	1026.7	+6	N	4	bc	63	65	7	-	4	2	0	2-3	-
	Catterick	1025.8	0	NNE	1	bc	73	66	7	1	-	2	Tr	4-6	3000
	Tynemouth	1026.9	+8	NE	3	bc	64	75	7	2	3	1	2-3	4-6	4000
11	St. Abbs Head	1025.5	+12	NW	3	bc	63	75	7	2	-	3	1	4-6	2500
	Leuchars	1025.4	+4	NNW	1	bc	74	56	8	1	-	6	0	2-3	2500
12	Renfrew (Abbots I.)	1027.1	+2	NW'W	3	bc	68	65	9	1	-	4	1	2-3	2500
	Eskdalemuir	1025.0	+4	ENE	1	bc	72	65	8	7	-	1	2-3	2-3	2500
	Point of Ayre	1027.7	0	NW'W	3	c	66	75	8	5	3	4	4-6	9	2500
13A	Tiree	1027.4	+2	W'N	2	c	61	65	8	5	3	-	7-8	7-8	2500
13B	Stornoway	1026.3	+6	WSW	4	c	64	66	8	5	7	-	4-6	10	2500
15	Dalwhinnie	1026.5	+12	NNE	1	bc	66	65	8	-	4	-	2-3	2-3	5700
	Aberdeen	1025.9	+12	SE	2	bc	70	56	8	1	4	5	Tr	2-3	4000
	Wick	1025.5	+12	NW	6	cq	62	75	8	5	7	8	4-6	7-8	1500
16	Lerwick	1022.4	+16	WNW	5	c	58	85	8	5	7	-	7-8	9	1500
17	Blacksod Point	1027.9	0	WSW	1	bc	65	75	8	2	-	-	1	2-3	3100
18	Malin Head	1028.1	+4	N	2	c	60	85	8	4	5	-	2-3	7-8	5700
	Aldergrove	1028.2	-2	WNW	1	c	64	75	8	5	-	-	10	10	2000
19	Birr Castle	1027.6	-4	ENE	1	c	74	55	8	8	-	4	4-6	7-8	2500
20	Valentia Obsy. †	1027.0	-2	SSW	4	bc	71	65	9	7	-	1	4-6	4-6	4000
	Roches Point	1027.5	0	SE	3	c	65	85	8	7	-	-	7-8	7-8	2500

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	°Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount Low 0–10 (26)	Cloud. Amount Total 0–10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1024.9	-6	NE	3	bc	73	55	7	7	-	1	4-6	4-6	4000	0	*
	Croydon	1024.5	-6	E	2	bc	72	65	7	1	-	-	4-6	4-6	4000	0	*
	S. Farnborough	1025.0	-2	ENE	3	c	73	55	7	4	6	2	2-3	7-8	4500	0	*
	Boscombe Down	1024.5	-6	ENE	3	c	72	55	7	2	-	1	4-6	7-8	4000	0	*
	Calshot (Soton.)	1024.6	-2	ESE	3	bc	70	75	7	4	-	-	2-3	4-6	4000	0	2
	Lympne	1025.2	-2	E	2	b	66	85	7	1	-	-	Tr	Tr	3700	0	§2
	Manston	1025.8	+2	ENE	2	z_o	64	86	6	-	-	1	0	1	-	0	*
2	Shoeburyness	1025.5	0	SE	2	bc	66	85	6	-	4	8	0	2-3	-	0	*
	Felixstowe	1025.4	0	E	3	bc	65	85	7	1	-	-	4-6	4-6	3500	0	1
	Gorleston	1026.0	+6	NNE	4	bc	64	75	7	5	4	-	2-3	4-6	2500	0	2
	Mildenhall	1025.6	0	NNE	3	b	69	65	8	-	-	1	0	Tr	-	0	*
	Cranwell	1026.2	+4	E'S	3	bc	66	65	7	-	-	1	0	2-3	-	0	*
3	Birmingham	1025.6	-4	NNW	2	z_o	69	65	6	-	-	1	0	2-3	-	1	*
	Upper Heyford	1024.9	-2	NNE	2	z_o	73	68	6	1	6	-	2-3	4-6	3500	0	*
4	Ross-on-Wye	1025.1	-8	N'E	2	c	70	65	7	-	-	6	0	7-8	-	0	*
5	Hartland Point	1024.9	-12	NNE	2	bc	63	86	8	1	4	1	1	2-3	2500	0	1
	Bristol	1025.0	-12	NNE	2	c	71	65	7	4	-	2	4-6	7-8	4000	0	
	Portland Bill	1024.5	-8	WNW	2	b	64	85	8	-	-	-	0	0	-	0	2
	Plymouth	1024.5	-6	SSW	2	c	65	76	8	4	-	8	Tr	9	3500	0	1
	The Lizard	1024.7	-8	E'N	1	bc	65	85	8	4	-	-	4-6	4-6	2500	0	1
	Scilly (St. Mary's)	1025.0	-10	NE	3	c	64	86	7	-	4	9	0	9	-	0	1
	Guernsey																
6	Pembroke	1025.4	-12	NNE	4	bc	68	75	8	5	4	2	Tr	4-6	2500	0	2
7	Holyhead	1026.8	-10	NNW	2	bc	61	85	9	-	-	1	0	2-3	-	0	2
	Chester (Sealand)	1026.7	-10	NW	3	z_o	63	75	7	1	-	1	Tr	4-6	3000	0	*
8	Manchester	1026.3	-2	WNW	2	c	65	76	8	-	5	6	0	9	-	0	*
10	Spurn Head	1027.0	0	N	2	bc	63	75	6	-	-	2	0	4-6	-	0	1
	Catterick	1026.2	0	NE	1	z_o	69	65	6	-	5	2	0	7-8	-	0	
	Tynemouth	1026.7	0	SSE	2	bc	62	75	7	7	4	1	2-3	4-6	4000	0	1
11	St. Abbs Head	1026.7	-2	SE	3	bc	60	85	8	5	4	-	2-3	4-6	2500	0	2
	Leuchars	1025.8	+6	SE	4	c	65	78	8	2	4	-	7-8	9	2500	0	*
12	Renfrew (Abbots I.)	1026.5	-2	W'N	3	bc	67	75	9	5	-	5	Tr	2-3	3200	0	*
	Eskdalemuir	1025.0	-2	WSW	3	bc	72	65	8	8	-	1	1	2-3	2500	0	*
	Point of Ayre	1027.4	-4	NW	3	bc	62	85	8	-	-	2	0	2-3	-	0	2
13A	Tiree	1027.3	-2	WSW	1	bc	60	75	8	1	-	-	2-3	2-3	4000	0	1
13B	Stornoway	1026.6	0	SW	3	bc	63	65	9	1	-	-	2-3	2-3	4000	0	1
15	Dalwhinnie	1026.3	-2	NNW	1	b	67	65	8	1	-	-	Tr	Tr	4000	0	*
	Aberdeen	1027.1	+8	ESE	2	bc	59	86	7	5	1	-	4-6	4-6	4000	0	1
	Wick	1026.0	0	NW	5	bcq	60	65	8	5	4	1	2-3	4-6	1500	1	3
16	Lerwick	1024.1	+2	W	5	c	56	85	8	5	7	-	4-6	7-8	1500	0	*
17	Blacksod Point	1026.8	-2	—	0	bc	64	75	8	2	-	3	1	2-3	4000	0	1
18	Malin Head	1027.9	-2	ENE	1	bc	59	75	8	7	-	2	2-3	4-6	5700	0	2
	Aldergrove	1027.6	-4	NW'N	1	c	64	75	8	5	-	-	9+	9+	1800	0	*
19	Birr Castle	1026.0	-2	SE	1	c	73	65	8	5	-	-	9	9	2500	0	*
20	Valentia Obsy. †	1026.4	+2	WSW	2	c	66	75	9	5	-	-	9+	9+	2500	0	2
	Roches Point	1026.4	-6	SE'E	3	bc	64	85	9	1	-	5	1	4-6	4000	0	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 31st (37)	Weather. 13h.—18h. 31st (38)	Weather. 18h. 31st—1h. 1st (39)	Weather. 1h.—7h. 1st (40)
1	London (Kew)	bcz$_o$ccy	cybcy	bcyb	bbcc
	Croydon	bm$_o$bcz$_o$y	bc	cm$_o$bm$_o$w	cbm$_o$cm$_o$
	S. Farnborough	cm$_o$bcy	bccy	cbcbm$_o$	bfecbcc
	Boscombe Down	bcy	bcy	bcbm$_o$	bm$_o$bfecm$_o$
	Calshot (Soton.)	cm$_o$bbc	bcycyc	bm$_o$	bbcwm$_o$cm$_o$
	Lympne	bcm$_o$	cm$_o$bcb	bbcm$_o$w	bcm$_o$wc
	Manston	bcm$_o$cz$_o$	cz$_o$bm$_o$	bm$_o$wcm$_o$	cm$_o$c
2	Shoeburyness	cm$_o$c	cbcm$_o$		b,cw
	Felixstowe	bcm$_o$c	cbc	bcb,c	ccm$_o$o
	Gorleston	cz$_o$	cbc	bcc	c
	Mildenhall	cm$_o$wcbc	bcb	bfgm$_o$w	bfgm$_o$wcw
	Cranwell	bcz$_o$y	bcyz$_o$b	bwbm$_o$	bm$_o$,c
3	Birmingham	cbcz	bcbz	bzm	bmw
	Upper Heyford	cz$_o$bcz$_o$	bcz$_o$	bcz$_o$bm$_o$	bm$_o$cm$_o$c
4	Ross-on-Wye	bcc	bc	cbcm$_o$	bcfwb
5	Hartland Point	cbc	bc	bcb	bbc
	Bristol	bc	bcc	c,bmfew	bfefgm$_o$w
	Portland Bill	bcbc	bcb	bcb	bcc
	Plymouth	bm$_o$c	cbcc	cbcbm$_o$	bm$_o$
	The Lizard	bcc	bc	bc	bc
	Scilly (St. Mary's)	b	bbcc	cbcc	cm$_o$
	Guernsey				
6	Pembroke	c	cbc	bcb	bbcm$_o$
7	Holyhead	bc	cbc	bcbw	bwb
	Chester (Sealand)	c	cbc	bcwbm$_o$	bm$_o$cwbm$_o$
8	Manchester	cbc	bcb,c	bm$_o$bm	bFFfmwc
10	Spurn Head	bc	bc	bw	c
	Catterick	cbc	bc	bcbm$_o$w	bfgcm$_o$
	Tynemouth	cbc	cbc	bc	bcc
11	St. Abbs Head	bc	bc	cbc	bcc
	Leuchars	ccy	cybcy,c	bc	bcc
12	Renfrew (Abbots I.)	cbc	bcb	bcbwfgf	bffwom$_o$
	Eskdalemuir	bc	cbc	b	bcc
	Point of Ayre	c	bc	b	bbcw
13A	Tiree	cbc	bc	b	b
13B	Stornoway	c	bc	bcb	b,c
15	Dalwhinnie	bc	bc		cb
	Aberdeen	bcby	bybc	bc	bcwc
	Wick	cq	cbcq	bccbc	bcc
16	Lerwick	cid$_o$	c	cbc	bcc
17	Blacksod Point	bc	bc	bb	bc
18	Malin Head	c	bccbc	bc	bc
	Aldergrove	cid$_o$c	c	cbcbw	bwbcw
19	Birr Castle	cy	c	b	ffbc
20	Valentia Obsy. †	bccbc	bcc	cbw	bwbcwc
	Roches Point	c	bc	bw	bcwc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29—STATE OF GROUND.

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

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

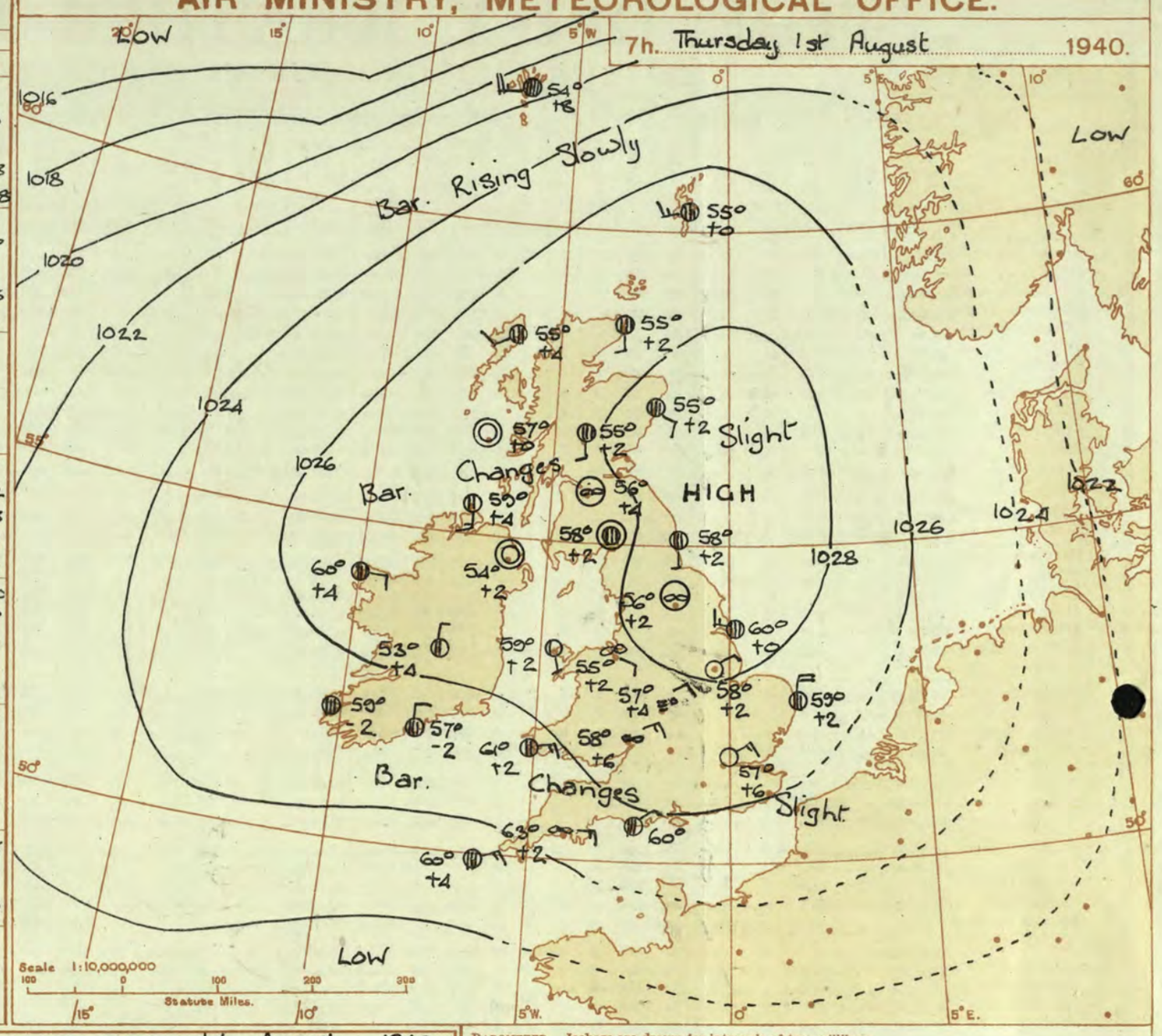
Abridged observations of additional stations in the
AVIATION WEATHER CODE

III	13h. G.M.T. 31st July. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 1st August $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	02745	24650	53	01744	24415	00	00790	20200	5-	03737	18217
115				73	01843	22424	77	01861	22423	52	02854	21326
203												
206				50	00862	09112	00	05890	00000	50	01823	00013
210	73	01863	26414	14	00861	30202	00	00790	00000	5-	05648	22228
220	16	01863	24304	13	01853	23204				52	02845	21128
230	5-	02848	26128	50	00861	18111	00	00890	00002	00	00890	00000
245	74	01862	06324	5-	02866	08316	5-	02756	32227			
260	00	05690	20214	10	00771	19202	00	05690	00012	5-	05538	00028
277				50	02863	29426	00	04490	29210	57	02737	03148
279												
285	13	01854	12314	80	02746	08416				5-	02637	22227
288	00	01790	04304	00	01890	05315	00	05690	18100	5-	02866	00016
273	18	01862	17103									
301							00	05590	00000	03	41490	08141
321	10	01863	30213	00	02790	08226	00	05590	00000	00	41690	02140
299				00	01790	32214	00	05690	26200	50	00752	28202
292	10	05663	32114	00	01890	14115	40	05661	00011	07	01790	00003
310	--	05534	26214	--	02534	26314				--	01633	32313
316	10	05663	30213	00	02790	08214	00	00690	02100	00	41490	32240
333	10	01862	30424	00	01890	32414	00	00890	32213	00	00690	00000
334		01884	02214		01890	04302				--	05590	04100
340	50	01854	31315				00	05590	00000	00	05690	00000
136	14	01752	32313	00	01790	04313	50	01743	04113	5-	02745	04225
336					01862	32412				--	05533	04314
350	10	01754	30124	61	40191	43354				5-	05637	02227
368	43	01754	23214	00	02790	23218	00	05690	07410	00	05690	06301
379	53	05664	04314	50	05665	04115	00	05690	06100	5-	05648	08318
390	4-	02765	02223	70	01763	04215	5-	43234	00044	5-	05647	06227
382	74	02664	32214	10	01751	00002	00	05690	04200			
438	50	01684	20314							02	03748	04428
430	10	05664	04215	40	05674	12214	00	05690	00000	5-	05655	04315
409	5-	05746	32326	54	02865	03325	00	05790	06200	04	05790	08303

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 1st August 1940.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st August 1940.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light or moderate northeast wind; fine, becoming cloudy tomorrow morning; warm.
4 W. Midlands ...	Light variable winds; fine but local fog forming during the night; warm.
5 S.W. England 6 South Wales ...	Light to moderate east to southeast wind; fine and warm.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	As 4.
13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Light or moderate south or southwest wind; fair; rather warm.
17 N. W. Ireland 18 N. E. Ireland	As 4.
19 S. E. Ireland 20 S. W. Ireland	As 5-6.

GENERAL INFERENCE.

An anticyclone centred over the Western North Sea is moving very slowly eastwards. Weather will be fair in all districts with temperature well above the seasonal average.

FURTHER OUTLOOK.

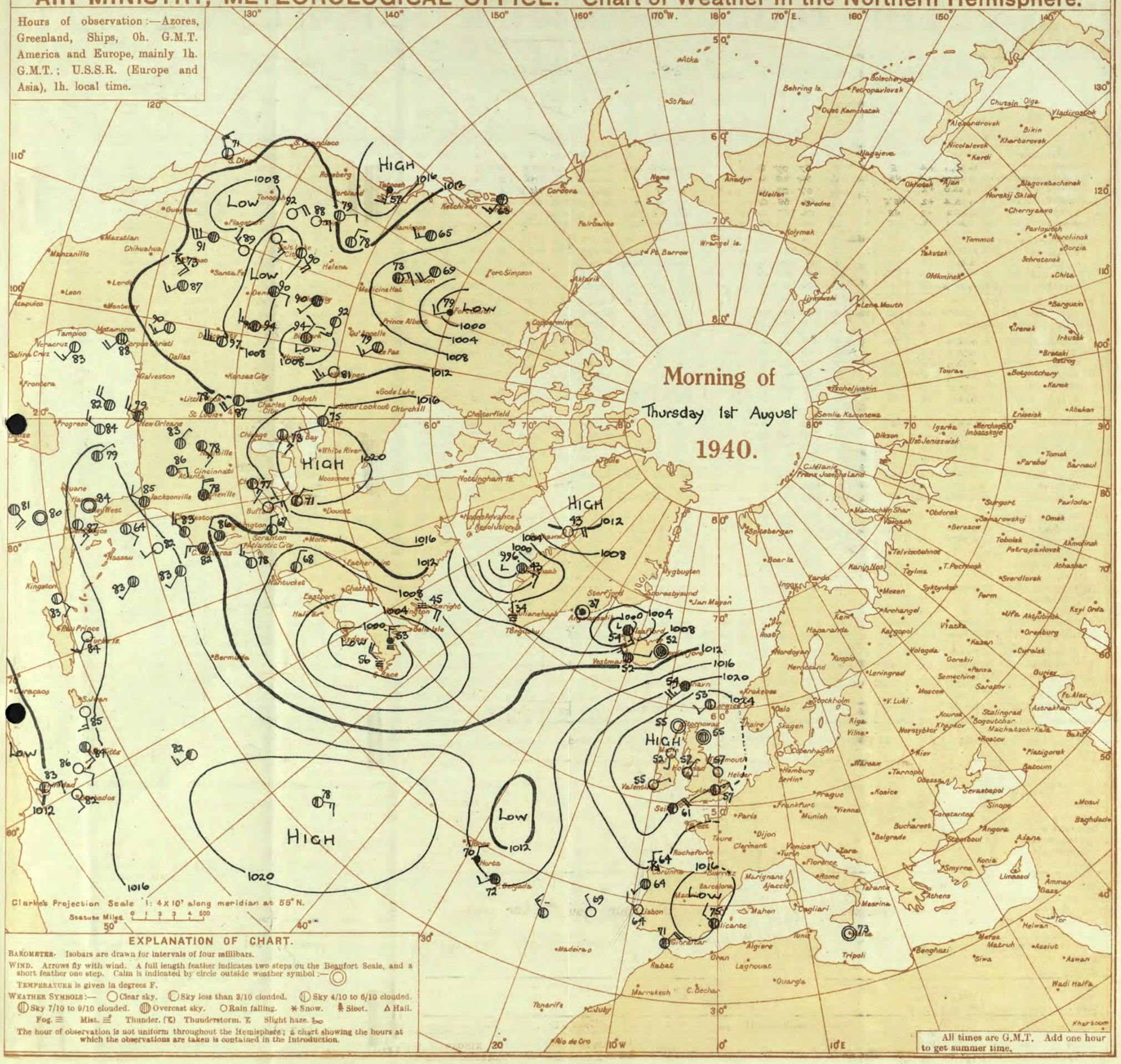
Fair and warm for several days over most of the country, but chance of thunder in the South on Saturday.

Forecasts issued at 10·30h.

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

H.M.S.O. Press, Cornwall House, S.E.1.
C.64/2902 m. 8049 & 3705 G. 348 (5803 E/40)

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



AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 1st August, 1940.

No. 28742.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1026.1	+4	E	2	Z_0	57	97	6	5	-	-	4-6	4-6	1000
	S. Farnborough	226	1026.4	+4	NE	2	Z_0	56	88	6	-	-	-	0	0	-
	Boscombe Down	417	1026.0	+2	-	0	Z_0	57	92	6	-	7	-	0	1	-
	Calshot (Sthmtn.)	8	1025.4	+2	NE'E	1	Z_0	61	85	6	-	-	-	0	0	-
	Lympne ...	346	1026.9	+2	NE	2	Z_0	55	92	6	5	-	-	7-8	7-8	2500
	Manston ...	154	1026.2	-2	NE	3	Z_0	59	85	6	5	-	-	10	10	1200
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1027.0	+2	NE	2	c	57	86	7	5	-	-	9+	9+	2000
	Gorleston ...	5	1026.7	+2	NNE	3	c	60	85	6	5	-	-	9	9	2500
	Mildenhall ...	19	1027.5	+6	NNE	1	Z_0	50	97	6	-	3	-	0	2-3	-
	Cranwell ...	240	1028.0	+2	-	0	Z_0	54	97	6	-	-	1	0	Tr	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1026.9	+4	NE	3	Z_0	56	92	6	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1025.0	0	NE	2	b	62	92	8	-	-	-	0	0	-
	Bristol ...	209	1026.2	+6	-	0	bf	59	92	3	-	-	-	0	0	-
	Portland Bill ...	32	1025.0	+14	WNW	3	b	60	85	8	-	-	-	0	0	-
	Plymouth ...	82	1024.3	0	NE	1	Z_0	62	86	6	-	-	1	0	Tr	-
	The Lizard ...	240	1023.6	-6	NE	4	bc	63	85	7	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1023.6	-8	NE	4	c	61	86	7	5	-	-	7-8	7-8	2500
	Guernsey ...	175	.													
6	Pembroke ...	142	1025.7	0	ENE	3	b	59	97	8	-	-	-	0	0	-
7	Holyhead ...	26	1026.5	-4	NE	1	bc	57	92	8	-	-	1	0	1	-
	Chester (Sealand)	16	1027.7	+2	-	0	Z_0	53	97	6	-	-	-	0	0	-
8	Manchester ...	70	1027.7	+4	-	0	m	52	97	4	-	-	-	0	0	-
10	Spurn Head ...	29	1028.2	+6	NNW	2	b	57	92	6	-	-	-	0	0	-
	Catterick ...	175	1028.2	+2	-	0	Z_0	58	97	6	-	-	-	0	0	-
	Tynemouth ...	108	1027.4	-4	SE	2	bc	58	92	6	5	-	-	2-3	2-3	2500
11	St. Abbs Head	280	1027.5	+2	SE	2	bc	55	97	8	4	-	-	2-3	2-3	2500
	Leuchars ...	36	1029.0	-2	ENE	2	bc	56	92	7	5	-	-	4-6	4-6	3500
12	Renfrew (Abbotsl.)	19	1027.9	+6	-	0	bf	51	97	3	5	-	-	Tr	Tr	2800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1027.3	0	WN	2	b	51	97	8	-	-	-	0	0	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1026.9	0	-	0	b	55	97	7	-	-	-	0	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1027.6	+4	SSW	1	bc	51	92	7	5	4	-	4-6	4-6	1500
16	Lerwick ...	156	1026.0	+6	WS	2	bc	53	97	8	5	-	-	4-6	4-6	1500
17	Blacksod Point	18	1026.6	-2	-	0	b	55	97	8	-	-	-	0	0	-
18	Malin Head ...	84	1027.0	-2	S	1	b	52	85	8	-	-	-	0	0	-
	Aldergrove ...	268	1027.8	0	-	0	b	48	97	8	-	-	-	0	0	-
19	Birr Castle ...	173	1026.7	0	SE	1	b	56	92	8	-	-	-	0	0	-
20	Valentia Obsy.	30	1025.9	-6	NE'E	1	b	55	97	9	4	-	-	Tr	Tr	2500
	Roches Point	22	1026.3	-2	NE'E	2	b	56	97	8	-	-	-	0	0	-

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0–10 (26)	Cloud. Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
London (Kew)	1027.3	+8	E	3	c	58	76	7	5	-	-	9+	9+	2500	0	*
Croydon ...	1026.5	+6	NE'E	3	c	57	85	6	5	-	-	9+	9+	2000	0	*
S. Farnborough	1026.9	+6	NE	3	Z_0	57	92	6	5	-	-	9+	9+	800	0	*
Boscombe Down	1026.4	+6	NE'E	2	Z_0	58	92	6	5	-	-	9+	9+	800	0	*
Calshot (Sthmtn.)	1025.7	+6	E'N	4	Z_0	61	86	6	1	-	1	1	1	1500	0	2
Lympne ...	1026.3	+6	NE	2	c	58	88	7	5	-	-	10	10	1200	0	3
Manston ...	1026.1	+2	NE	3	c	60	85	7	5	-	-	10	10	1200	0	*
Shoeburyness ...	1027.0	+4	N'E	2	c	59	85	8	5	-	-	10	10	2500	0	*
Felixstowe ...	1026.8	-2	NE'N	3	0	59	86	8	5	-	-	10	10	1500	0	1
Gorleston ...	1026.6	+2	NNE	4	c	59	85	7	5	-	-	10	10	1500	0	2
Mildenhall ...	1027.6	+6	N	1	c	57	97	7	5	-	-	10	10	1500	0	*
Cranwell ...	1028.1	+2	NE	1	c	58	85	7	5	-	1	7-8	9	1200	0	*
Birmingham ...	1027.9	+4	NE	2	m	57	92	4		-	-	Tr	Tr	4000	1	*
Upper Heyford	1027.5	+4	NE	2	c	55	92	7	5	-	-	9+	9+	1000	1	*
Ross-on-Wye	1027.1	+6	NE	3	Z_0	58	88	6	1	-	1	Tr	Tr	2500	0	*
Hartland Point	1024.9	+2	NNE	2	bc	62	92	8	-	-	6	0	2-3	-	0	1
Bristol ...	1027.1	+12	NE	2	bc	57	97	7	5	-	1	2-3	2-3	1100	0	*
Portland Bill ...	1028.3	+8	NE	1	c	60	92	7	5	2	-	7-8	10	2500	0	3
Plymouth ...	1024.5	+2	E	3	Z_0	63	85	6	1	4	1	Tr	1	4500	0	1
The Lizard ...	1023.9	+4	E	4	bc	61	92	7	4	-	-	4-6	4-6	2500	0	3
Scilly (St. Mary's)	1023.0	+4	ENE	3	c	60	97	6	-	4	7	0	9+	-	0	1
Pembroke ...	1025.6	+2	E'N	3	bc	61	97	6	-	7	-	0	2-3	-	0	1
Holyhead ...	1026.4	+2	SSE	1	b	59	92	8	-	-	1	0	Tr	-	0	1
Chester (Sealand)	1027.8	+2	SE	1	Z_0	55	92	5	-	-	-	0	0	-	0	*
Manchester ...	1027.8	+2	WNW	1	m	56	97	4	-	-	-	0	0	-	1	*
Spurn Head ...	1028.5	0	W'N	3	c	60	85	6	2	-	-	7-8	7-8	4000	0	1
Catterick ...	1028.6	+2	-	0	Z_0	56	85	5	5	-	-	10	10	4000	0	*
Tynemouth ...	1028.0	+2	S	1	c	58	92	6	5	-	-	7-8	7-8	4000	0	0
St. Abbs Head	1027.9	+4	SSE	2	c	57	92	7	5	6	-	4-6	7-8	1500	0	1
Leuchars ...	1028.2	+2	ENE	1	c	58	85	7	5	-	-	9	9	2800	0	*
Renfrew (Abbotsl.)	1028.3	+4	-	0	Z_0	56	97	5	5	-	-	10	10	1200	1	*
Eskdalemuir ...	1027.7	+2	-	0	c	58	97	6	5	-	-	9+	9+	1500	0	*
Point of Ayre ...	1027.3	+2	SSE	1	if	57	97	3	-	-	-	10	10	4150	0	1
Tiree	1027.3	0	-	0	b	57	92	8	-	-	5	0	Tr	-	0	1
Stornoway ...	1027.4	+4	SW	2	c	55	92	8	5	-	-	9+	9+	2500	0	1
Dalwhinnie ...	1029.2	+2	S	1	c	55	85	7	7	-	-	7-8	7-8	800	1	*
Aberdeen ...	1028.5	+2	SE	2	c	55	92	7	5	-	-	10	10	1500	0	1
Wick ...	1027.3	+2	S	1	c	55	92	8	5	7	-	7-8	9+	1500	1	1
Lerwick ...	1026.6	0	WSW	3	c	55	92	8	8	7	-	4-6	7-8	800	0	*
Blacksod Point	1026.7	+4	E	2	c	60	92	8	-	7	-	0	7-8	-	0	1
Malin Head ...	1027.3	+4	S	3	bc	59	85	8	-	-	4	0	2-3	-	0	0
Aldergrove ...	1027.5	+2	-	0	bc	54	85	9	-	-	8	0	2-3	-	0	*
Birr Castle ...	1026.7	+4	N'E	1	bc	53	92	7	-	-	4	0	4-6	-	0	*
Valentia Obsy.	1025.0	-2	-	0	c	59	92	9	5	3	-	2-3	9	4000	0	1
Roches Point	1025.0	-2	N	2	c	57	92	8	5	3	-	2-3	7-8	2500	0	1

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 31st Hrs. (36)
London (Kew)	74	57	50	-	-	9.9
Croydon ...	72	54	48	-	-	9.9
S. Farnborough	76	53	45	-	-	10.2
Boscombe Down	74	55	49	-	Tr	9.7
Calshot (Sthmtn.)	76	57	51	-	-	8.0
Lympne ...	69	53	49	-	-	6.2
Manston ...	70	56	48	-	-	10.9
Shoeburyness ...	72	53	42	-	-	6.1
Felixstowe ...	72	54	52	-	-	7.8
Gorleston ...	67	58	55	-	-	9.6
Mildenhall ...	73	49	44	-	Tr	12.2
Cranwell ...	74	51	45	-	-	11.9
Birmingham ...	72	54	42	*	-	8.3
Upper Heyford	75	51	43	-	-	*
Ross-on-Wye	72	52	46	-	-	8.7
Hartland Point	66	60	56	-	-	9.0
Bristol ...	73	54	43	-	-	11.8
Portland Bill ...	66	59	*	-	-	*
Plymouth ...	70	58	51	-	-	7.9
The Lizard ...	70	58	*	-	-	13.1
Scilly (St. Mary's)	71	59	*	-	-	11.3
Pembroke ...	70	53	*	-	-	6.9
Holyhead ...	64	56	46	-	-	10.8
Chester (Sealand)	65	51	47	-	-	8.5
Manchester ...	70	47	44	-	-	7.4
Spurn Head ...	69	56	*	-	-	10.7
Catterick ...	73	48	46	-	-	10.6
Tynemouth ...	68	57	54	-	-	*
St. Abbs Head	68	55	*	-	Tr	*
Leuchars ...	77	53	50	-	-	11.3
Renfrew (Abbotsl.)	70	48	41	-	-	12.1
Eskdalemuir ...	75	51	43	-	-	12.7
Point of Ayre ...	68	48	*	-	-	7.1
Tiree	64	47	*	-	-	8.9
Stornoway ...	66	47	*	-	-	9.2
Dalwhinnie ...	69	49	39	-	-	11.6
Aberdeen ...	71	51	43	-	-	8.8
Wick ...	62	47	*	-	-	*
Lerwick ...	58	52	*	Tr	-	5.6
Blacksod Point	66	53	*	-	-	*
Malin Head ...	63	50	*	-	-	7.4
Aldergrove ...	68	43	41	Tr	-	1.4
Birr Castle ...	77	47	45	-	-	8.1
Valentia Obsy.	73	53	50	-	Tr	10.2
Roches Point	66	53	*	-	-	*

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. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine. Yesterday. Sun. to Sunset. hrs.	Humidity. Yesterday. 15h. G.M.T. %	Humidity. Yesterday. 9h. G.M.T. %	Visibility 9h. To-day.
Kew ...	18	bcz$_0$cy	cybcy	bcybcc	74	57	50	-	-	9.9	*	*	7
Croydon ...	217	bm$_0$bcz$_0$y	bc	cm$_0$bm$_0$c	72	54	48	-	-	9.9	*	*	5
Greenwich (Royal Observatory) ...	149	b	bc	cbc	74	54	48	-	-	8.7	58	77	7
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	75	57	56	—		9.5	66	83	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	75	55	53	-	-		57	77	*
Camden Square ...	110	bc	bc	*	77	56	51	-	-	*	*	74	*
Kensington ...	80	bc	bc	*	76	56	52	-	-		58	78	*
Hampstead Observatory ...	450										*		*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 1st

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
0.1	01h 1st	<0.1	12-20h 31st

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 31st July. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 1st August. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris ...														
Brussels ...														
Berlin ...														
Zürich ...														
Rome ...											*	*		

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Preciptious.
4	Rough.	9	Confused.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Friday 2nd August 1940.

No. 28743

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Hymid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1026·4	−10	NE'E	3	b	69	65	7	–	–	–	0	0	–
	Croydon	1026·1	−6	ENE	3	b	69	65	6	1	–	–	Tr	Tr	2800
	S. Farnborough	1025·6	−12	ENE	3	z₀	72	55	6	–	–	–	0	0	–
	Boscombe Down	1024·9	−16	NE'E	4	z₀	71	55	7	–	–	1	0	Tr	–
	Calshot (Soton.)	1024·7	−12	E'S	4	b	71	65	7	–	4	1	0	Tr	–
	Lympne	1026·3	0	NNE	3	c	61	85	8	5	–	–	10	10	
	Manston	1026·7	0	NE	4	c	62	85	7	6	–	–	10	10	800
2	Shoeburyness	1026·8	−4	E'N	3	bc	65	75	8	5	–	–	2-3	2-3	4000
	Felixstowe	1027·1	+2	E'N	5	c	67	65	8	5	–	–	7-8	7-8	2500
	Gorleston	1027·6	+6	NE'N	4	c	61	85	7	5	–	–	10	10	1500
	Mildenhall	1027·0	−4	NE'N	3	bc	69	65	8	7	–	–	2-3	2-3	3000
	Cranwell	1027·9	+6	E	2	bc	69	65	8	1	–	–	4-6	4-6	2500
3	Birmingham	1027·9	−4	ENE	2	z₀	73	55	7	–	–	–	0	0	–
	Upper Heyford	1026·5	−6	ENE	3	b	72	65	8	–	–	–	0	0	–
4	Ross-on-Wye	1025·5	−10	ENE	4	b	70	55	8	–	–	1	0	Tr	–
5	Hartland Point	1023·6	−12	NE	3	bc	67	65	7	1	4	1	1	2-3	4000
	Bristol	1025·3	−16	ENE	3	b	70	75	8	–	4	6	0	1	–
	Portland Bill	1023·9	−16	ENE	4	bc	63	85	7	1	–	–	4-6	4-6	4000
	Plymouth	1024·0	−6	E	4	z₀	66	65	7	1	4	–	Tr	2-3	1800
	The Lizard	1022·7	−4	E	6	bc	65	75	8	8	4	–	4-6	4-6	3000
	Scilly (St. Mary's)	1023·6	+4	E'N	4	c	70	75	6	5	4	–	4-6	7-8	1500
	Guernsey														
6	Pembroke	1024·4	−8	S'E	3	bc	64	75	7	–	7	1	0	4-6	–
7	Holyhead	1026·4	−4	N'W	3	b	65	65	8	–	4	–	0	Tr	–
	Chester (Sealand)	1026·4	−18	SE	2	z₀	78	45	7	–	–	–	0	0	
8	Manchester	1026·5	−6	NW	1	z₀	76	55	6	5	–	–	Tr	Tr	4000
10	Spurn Head	1028·8	+2	NE	3	0	63	75	6	5	–	–	10	10	1500
	Catterick	1027·8	−10	ESE	1	c	75	55	7	–	3	–	0	7-8	–
	Tynemouth	1028·6	0	SE	3	bc	62	85	7	8	2	–	2-3	4-6	4000
11	St. Abbs Head	1028·2	0	SE	3	bc	63	85	8	4	–	–	2-3	2-3	2500
	Leuchars	1028·2	−8	ESE	3	bc	69	65	7	5	–	–	2-3	2-3	2500
12	Renfrew (Abbotsinch)	1027·3	−10	–	0	z₀	73	55	6	–	3	–	0	2-3	–
	Eskdalemuir	1027·1	−2	S	2	bc	69	75	6	5	–	–	4-6	4-6	1500
	Point of Ayre	1027·7	−2	NE'E	2	f-	62	92	6	5	–	–	4-6	4-6	1500
13A	Tiree	1027·6	+2	N	1	b	64	75	8	1	–	5	Tr	Tr	4000
13B	Stornoway	1027·4	0	S	4	bc	61	75	8	7	4	1	2-3	4-6	4000
15	Dalwhinnie	1027·4	+8	S	1	b	73	45	7	–	–	–	0	0	–
	Aberdeen	1027·9	0	S	4	b	63	75	7	1	3	–	Tr	Tr	4000
	Wick	1028·0	+4	SSE	1	F	56	97	1	–	–	–	10	10	<150
16	Lerwick	1027·9	−6	WSW	4	c	58	75	8	8	7	–	7-8	9+	800
17	Blacksod Point	1026·0	0	–	0	bc	73	65	8	–	5	–	0	4-6	–
18	Malin Head	1027·4	+2	E	3	bcjf	57	92	8	–	8	1	0	2-3	–
	Aldergrove	1026·8	−8	–	0	b	74	65	7	5	–	–	Tr	Tr	1500
19	Birr Castle	1025·3	−4	SSE	1	c	74	65	7	5	7	–	7-8	9	2500
20	Valentia Obsy. †	1024·3	0	SE'E	3	c	73	75	8	5	3	–	2-3	9+	7200
	Roches Point	1024·6	−2	ESE	3	bc	67	85	8	–	–	5	0	2-3	–

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1025·0	+2	SE'E	4	b	68	75	7	–	–	–	0	0	–	0	*
	Croydon	1024·7	−4	ENE	3	b	67	75	7	1	–	–	Tr	Tr	2500	0	*
	S. Farnborough	1024·5	−4	E'N	4	b	72	65	7	4	–	–	Tr	Tr	3500	0	*
	Boscombe Down	1023·8	−4	ENE	4	b	74	55	7	–	–	–	0	0	–	0	*
	Calshot (Soton.)	1023·9	−6	SE'S	4	b	67	85	7	–	–	–	0	0	–	0	2
	Lympne	1025·3	−10	NE	4	c	59	85	8	5	–	–	9	9	1400	0	§
	Manston	1025·4	−12	NE	4	c	60	85	8	5	–	–	10	10	300	0	*
2	Shoeburyness	1026·1	−6	ENE	4	bc	61	85	8	5	–	–	4-6	4-6	2500	0	*
	Felixstowe	1026·2	−4	NE'E	4	c	61	85	8	5	–	–	9+	9+	1200	0	2
	Gorleston	1026·8	−4	NE'N	3	p	60	85	7	5	–	–	10	10	1300	0	2
	Mildenhall	1025·4	−12	ENE	3	b	68	75	8	1	–	–	Tr	Tr	3000	0	*
	Cranwell	1027·0	−6	E'S	3	b	65	75	8	–	–	–	0	0	–	0	*
3	Birmingham	1025·5	0	ENE	3	b	73	55	8	–	–	–	0	0	–	0	*
	Upper Heyford	1025·4	0	NE'E	2	b	71	65	8	–	–	–	0	0	–	0	*
4	Ross-on-Wye	1024·2	−6	E'N	4	b	73	55	8	–	–	1	0	Tr	–	0	*
5	Hartland Point	1023·0	−6	NNE	1	b	68	75	8	–	–	1	0	Tr	–	0	1
	Bristol	1024·4	−2	E	3	b	74	65	8	–	4	–	0	Tr	–	0	*
	Portland Bill	1023·1	−2	E	4	bc	61	85	7	5	–	–	4-6	4-6	4000	0	4
	Plymouth	1023·3	−14	E'S	4	z₀	66	75	7	1	4	–	Tr	Tr	2000	0	2
	The Lizard	1021·8	−12	NE'E	5	bc	62	85	8	4	4	–	4-6	4-6	4000	0	3
	Scilly (St. Mary's)	1022·4	−4	ENE	4	bc	64	75	7	5	4	–	2-3	4-6	2500	0	2
	Guernsey																
6	Pembroke	1024·1	0	–	0	bc	69	75	7	–	7	1	0	2-3	–	0	1
7	Holyhead	1025·2	−2	N	3	b	65	75	7	–	–	1	0	Tr	–	0	2
	Chester (Sealand)	1025·3	+4	ESE	2	z₀	77	55	6	5	3	–	Tr	4-6	5700	0	*
8	Manchester	1025·4	0	ESE	3	c	74	65	7	5	–	–	9+	9+	3800	0	*
10	Spurn Head	1027·6	−4	NE	1	b	60	85	7	–	–	–	0	0	–	0	1
	Catterick	1026·9	−2	SE	1	z₀	70	75	6	5	–	–	7-8	7-8	4000	0	
	Tynemouth	1028·0	−6	SE	3	bc	60	85	7	5	–	–	2-3	2-3	2500	0	1
11	St. Abbs Head	1027·0	−6	SE	4	b	59	85	8	–	–	–	0	0	–	0	3
	Leuchars	1027·2	−6	SE	3	b	66	75	7	–	–	–	0	0	–	0	*
12	Renfrew (Abbotsinch)	1026·4	−4	NW	1	b	73	65	8	–	4	–	0	Tr	–	0	*
	Eskdalemuir	1025·5	−6	SSW	1	bc	74	65	7	1	–	–	2-3	2-3	2500	0	*
	Point of Ayre	1026·4	−8	ENE	1	b	66	85	6	–	–	–	0	0	–	0	1
13A	Tiree	1027·3	0	NNE	1	b	62	85	8	–	–	5	0	Tr	–	0	1
13B	Stornoway	1027·7	+4	W	2	bc	65	65	8	7	4	1	2-3	4-6	4000	0	1
15	Dalwhinnie	1026·1	−2	NW	1	b	74	45	7	–	4	–	0	Tr	–	0	*
	Aberdeen	1027·7	−4	S	3	b	61	85	7	–	–	–	0	0	–	0	1
	Wick	1027·8	+2	E	1	F	53	97	1	5	–	–	10	10	<150	1	1
16	Lerwick	1027·7	+2	WSW	3	c	57	85	8	5	3	–	4-6	7-8	1500	0	*
17	Blacksod Point	1025·5	−4	N	1	c	69	85	8	–	5	–	0	7-8	–	0	1
18	Malin Head	1027·0	0	E	3	bcjf	60	85	8	–	–	2	0	2-3	–	0	2
	Aldergrove	1026·1	−2	NE'E	2	b	73	65	7	1	–	1	Tr	1	2000	0	*
19	Birr Castle	1024·3	−6	SSE	1	c	73	45	7	4	–	8	4-6	7-8	2500	0	*
20	Valentia Obsy. †	1023·9	−2	W'N	3	bc	67	75	7	8	–	–	4-6	4-6	4000	0	2
	Roches Point	1023·9	−6	ESE	2	bc	67	75	7	–	3	–	0	2-3	–	0	2

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 1st (37)	13h.—18h. 1st (38)	18h. 1st to 1h. 2nd (39)	1h.—7h. 2nd (40)
1	London (Kew)	cbcb	bbybb	bbccm₀	c
	Croydon	cm₀bz₀	bbc	b, ccm₀	cm₀c
	S. Farnborough	cm₀bz₀y	bz₀y	bcc	cam₀c
	Boscombe Down	cm₀bz₀	bz₀y	bm₀bcm₀	bccm₀
	Calshot (Soton.)	bm₀cm₀b	b	bbm₀cm₀	cm₀
	Lympne	c	cbc	cm₀	cm₀cd₀d₀
	Manston	cd₀d₀cm₀	c	id₀cm₀	id₀cm₀
2	Shoeburyness	cbc	bc	bcb, c	c
	Felixstowe	gcbc	bcc	c₀c	bcc
	Gorleston	c	c	c	c
	Mildenhall	cbc	bcb	b, c	c
	Cranwell	bc	bcb	bw, cbcm₀	bcm₀c
3	Birmingham	bz	b	bcc	bcc
	Upper Heyford	cbcb	b	bbccm₀	cm₀c
4	Ross-on-Wye	b	by	bb	bwbcc
5	Hartland Point	bc	bcb	b	bbc
	Bristol	vbccb	by	bm₀w	bwcm₀
	Portland Bill	cbc	bc	bcc	cc
	Plymouth	bm₀cbz₀	b 2,8c8	bbcw	bcw cbcc
	The Lizard	ocbc	bc	bcw	bcco
	Scilly (St. Mary's)	cmzc	cbc	bcbw	bccm₀
	Guernsey				
6	Pembroke	m₀bc	bc	bbcz₀	bcw
7	Holyhead	b	bz₀b	bm₀wb	bwm₀c
	Chester (Sealand)	bm₀z₀y	bz₀y	bzywbm₀	bbcbm₀m₀w
8	Manchester	bmz₀y	bcz₀y	cbcbz₀m₀	bm₀fm₀w
10	Spurn Head	p	bc		o
	Catterick	cm₀bcy	yzbccz₀	czbm₀w	m₀cm₀f
	Tynemouth	cbc	bc	bcb	bbcc
11	St. Abbs Head	bc	bcb	bcb	bbc
	Leuchars	cbc	bcb	bm₀bcm₀	bcm₀m₀
12	Renfrew (Abbotsinch)	cm₀bz₀	bz₀yb	bbm₀w	bfam₀w
	Eskdalemuir	cbc	bcb	b	bfbw
	Point of Ayre	bcff	bz	bbw	b
13A	Tiree	b	b	b	bbc
13B	Stornoway	cbc	bc	bcc	c
15	Dalwhinnie	bcb	bc		bc
	Aberdeen	cbcb	b	b	bcwm₀
	Wick	cz₀F	Ff	fbcm₀	mbcF
16	Lerwick	c	cbcc	cbcw	bcc
17	Blacksod Point	bc	c	bc	bc
18	Malin Head	bcjfgc	bcjfgbcff	bc	cbcbc
	Aldergrove	bbcbz₀	bbcb	bbcbw	bwb
19	Birr Castle	bcc	cy		bbc
20	Valentia Obsy. †	c	cocbc	bcwbw₀	bz₀bccz₀
	Roches Point	bc	bbc	bw	bcwbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r₀, slight rain. rr, continuous rain.
<, less than (for cloud height). ⸗gale.
⊕ Solar halo. ◐ lunar halo. ⌓Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29—STATE OF GROUND.

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

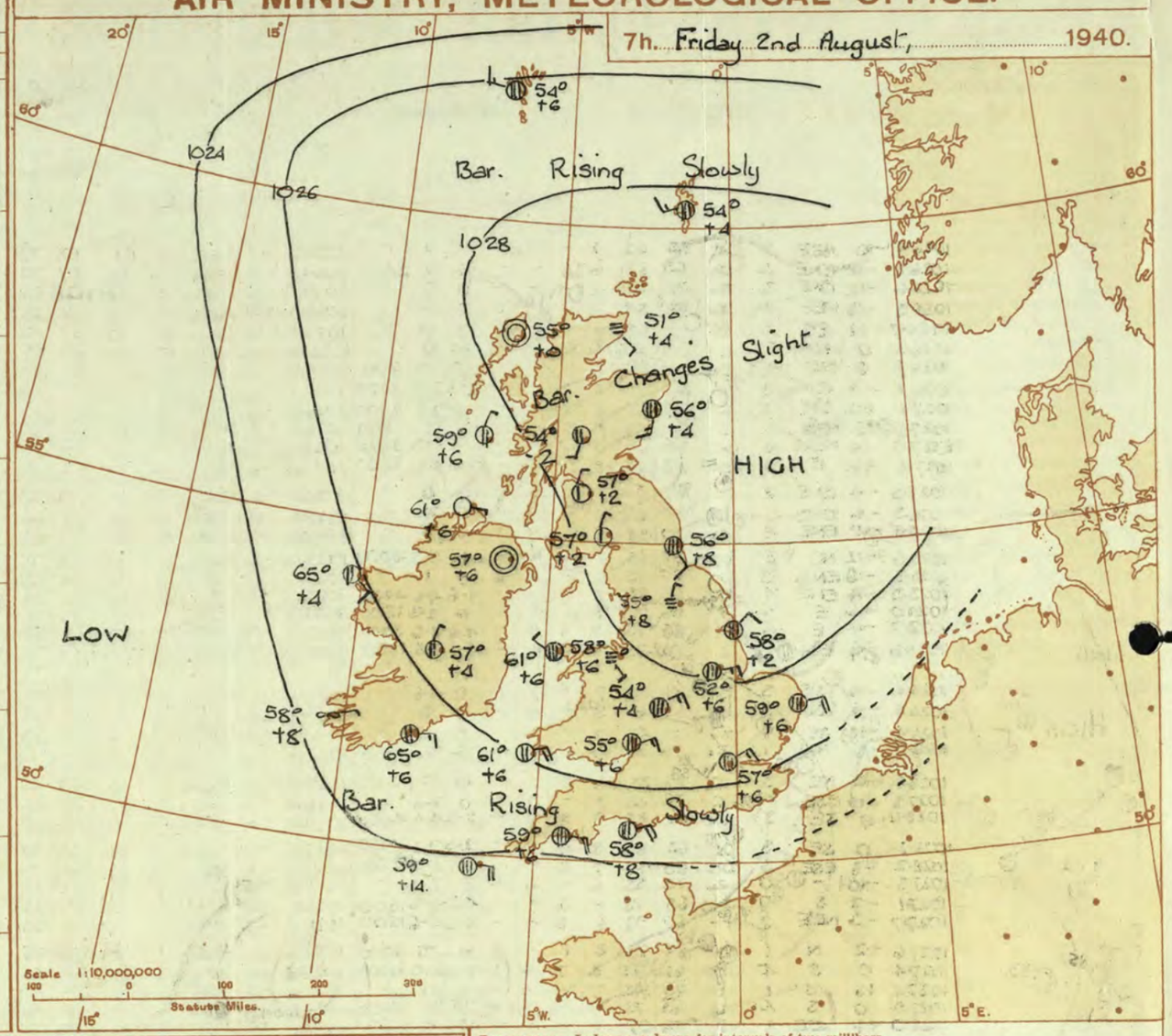
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

AIR MINISTRY, METEOROLOGICAL OFFICE.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 1st August			18h. G.M.T.			01h. G.M.T. 2nd August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109				7-	02856	30116	53	01851	22202	03	02650	00015
115	71	01961	22324	71	01861	24314	71	01861	24214	71	01854	12215
203												
206	10	00961	20201	10	03961	07202	--	00049	28853	5-	05638	04148
210	10	00851	02202	20	00861	04201	04	15390	00041	5-	05638	00028
220	10	01953	21103	04	01990	21101				03	01890	25104
230	10	00961	00001	04	00990	00001	04	00890	00001	03	00890	00013
245	70	03743	14423	50	00742	10302	00	05690	30120	5-	02736	16326
260	70	05653	04114	00	05690	04100	00	47190	00040	--	46309	00049
277	10	00642	15212	00	00790	30303	00	47290	26140	00	05690	08240
279												
285				5-	05646	16426				5-	44209	24149
288	00	00790	02110	00	00890	07210	00	45390	00040	5-	41638	08148
273	13	01761	05402							00	05690	08100
301	00	05690	28200	50	05663	02313	00	05690	12200	50	05563	10313
321	10	00763	05203	00	00790	06200	50	05682	08112	5-	05656	04126
299	53	02745	04228	00	00790	04220	00	05690	31200	5-	02746	32316
292	13	01862	00013	10	00861	12201	50	05651	00011	5-	02748	08118
310	--	05642	08412	--	01633	04413				--	05526	04346
316	10	01790	06201	00	00890	08210	50	05651	06111	5-	02746	04326
333	14	00871	30302	04	00890	22201	00	00790	04200	00	00790	00000
334	--	01830	06301	--	05630	04300				--	00690	04100
340	00	05630	04200	00	00890	09300	00	05690	06102	50	05654	06314
136	5-	02747	04327	50	01843	05313	50	01744	04114	5-	02856	02316
336	--	01862	12402	--	01852	08412				--	00890	04300
350				00	00790	04400				5-	02847	05327
368	04	01790	08404	00	00830	06401	00	00790	06400	50	05644	07314
379	00	00790	04300	00	00790	04400				5-	05646	08327
390	40	01754	04314	10	00751	10301	5-	05538	06228	5-	02748	06328
382	00	00890	04200	10	00861	06300	50	01744	04314	5-	02747	06327
438	8-	02755	08525							8-	02748	04628
430				10	00761	06300	5-	05648	06328	5-	05648	04428
409	14	05651	08302	14	05751	08302	04	05690	08101	5-	05747	06217

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



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd August 1940
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate northeast wind; fresh on coast; fine inland during day; dull conditions persisting most of day at places on coast and cloud spreading far inland during night; cool on East Coast, average temperature inland during day.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate or fresh easterly wind, fair or fine; average temperature.
7 North Wales ... 8 N.W. England	Light southeast wind; fair or fine; rather warm.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light variable wind; fair or fine apart from local fog in early morning; average temperature inland, cool on coast
12 S.W. Scotland & Isle of Man.	As 7-8.
13 A. W. Scotld. / B.N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland	Light variable wind; fair or fine apart from local fog on East Coast and inland in early morning; temperature mainly average, cool on East Coast.
16 Orkneys and Shetlands	Moderate west wind; fair, average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light or moderate east to southeast wind, fair or fine; average temperature or rather warm.

GENERAL INFERENCE.

A large anticyclone centred over the Northern North Sea covers the British Isles. Weather will continue mainly fine but there will be much cloud at times near the East Coast of England and fog will occur in places in the Midlands and North in the early morning.

FURTHER OUTLOOK.

Little change.

Forecasts issued at 10·30h.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 2nd August 1940.

No. 28743

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1025.6	+2	NE'E	3	z_o	58	85	6	5	-	-	10	10	1100
	S. Farnborough	226	1026.0	+6	NE	2	c	58	85	7	5	-	-	7-8	7-8	2000
	Boscombe Down	417	1025.8	+6	NE'E	4	z_o	58	92	6	5	-	-	7-8	7-8	500
	Calshot (Sthmtn.)	8	1024.8	+2	E'N	4	z_o	61	85	5	5	-	-	9	9	1600
	Lympne ...	346	1025.2	-4	NE	4	z_o	57	85	6	5	-	-	10	10	900
	Manston ...	154	1025.4	-6	NE'E	3	z_o	58	85	6	5	-	-	10	10	700
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1026.0	-6	NE	3	bc	56	85	7	5	-	-	4-6	4-6	1900
	Gorleston ...	5	1026.8	-2	NE	3	c	59	85	7	8	-	-	7-8	7-8	1500
	Mildenhall ...	19	1027.1	+2	NE'N	2	c	55	92	7	5	-	-	10	10	1800
	Cranwell ...	240	1027.9	0	E	2	z_o	54	92	6	5	-	-	4-6	4-6	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1026.8	+6	NNE	2	z_o	54	97	6	5	-	-	10	10	600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1024.3	+6	NE	2	b	60	92	8	-	-	1	0	Tr	-
	Bristol ...	209	1026.0	+6	-	0	b	58	92	6	-	-	-	0	0	-
	Portland Bill ...	32	1024.8	+2	ENE	4	c	60	92	7	5	-	-	7-8	7-8	4000
	Plymouth ...	82	1024.1	+2	E'N	3	bc	60	92	6	5	-	-	4-6	4-6	1200
	The Lizard ...	240	1022.9	0	ENE	5	bc	59	92	8	7	-	1	2-3	2-3	4000
	Scilly (St.Mary's)	163	1023.0	-2	NE'E	4	b	59	97	7	-	-	-	0	0	-
	Guernsey ...	175														
6	Pembroke ...	142	1024.6	+4	ENE	3	bc	63	92	7	-	7	1	1	2-3	-
7	Holyhead ...	26	1025.9	+2	-	0	b	62	85	6	-	-	-	0	0	-
	Chester(Sealand)	16	1027.0	+4	SE	1	z_o	60	85	5	-	-	-	0	0	-
8	Manchester ...	70	1027.4	+2	NE'E	1	z_o	58	92	5	-	-	-	0	0	-
10	Spurn Head ...	29														
	Catterick ...	175	1028.7	+2	-	0	z_o	53	97	6	-	-	-	0	0	-
	Tynemouth ...	108	1028.5	+2	S	1	b	57	92	6	-	-	-	0	0	-
11	St. Abbs Head	280	1026.1	+4	SSE	2	b	55	85	7	-	-	-	0	0	-
	Leuchars ...	36	1028.6	+2	NNE	1	z_o	56	92	6	5	-	-	4-6	4-6	2500
12	Renfrew (Abbots L.)	19	1027.8	+6	-	0	m	54	97	4	-	-	-	0	0	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1026.8	+4	-	0	b	55	97	6	-	-	-	0	0	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13E	Stornoway ...	80	1028.7	0	-	0	6	51	97	7	5	7	1	7-8	9	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1028.5	-2	WNW	1	bc	48	97	6	5	4	-	2-3	2-3	1500
16	Lerwick ...	156	1028.1	-2	SW	3	bc	51	97	8	5	4	-	4-6	4-6	1500
17	Blacksod Point	18	1025.8	0	-	0	b	62	85	8	-	4	-	0	1	-
18	Malin Head ...	84	1027.4	+6	E	1	bc	60	76	8	2	-	-	2-3	2-3	5700
	Aldergrove ...	268	1027.0	+2	ESE	1	b	53	92	7	-	-	-	0	0	-
19	Birr Castle ...	173														
20	Valentia Obsy.	30	1024.9	-2	E	3	z_o	59	85	6	7	-	-	1	1	4000
	Roches Point	22	1025.2	-2	N	1	b	59	97	7	-	-	-	0	0	-

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	1026.7	+4	NE	3	c	58	75	7	5	-	-	9+	9+	2500	0	*
	Croydon ...	1026.1	+6	NE	3	c	57	73	7	5	-	-	10	10	1500	0	*
	S. Farnborough	1026.5	+10	NE'E	4	c	56	73	7	5	-	-	9+	9+	1400	0	*
	Boscombe Down	1026.4	+12	NE'E	3	z_o	54	75	7	5	-	-	9+	9+	1500	0	*
	Calshot (Sthmtn.)	1025.2	+4	ENE	4	z_o	59	85	6	5	-	-	9+	9+	1200	0	2
	Lympne ...	1025.8	+2	NE'N	3	d_od_o	56	92	7	5	-	-	10	10	900	0	3
	Manston ...	1025.9	+6	NE	3	p/d	58	85	6	5	-	-	10	10	900	0	*
2	Shoeburyness ...	1026.4	+4	NNE	3	c	58	85	8	5	-	-	10	10	1500	0	*
	Felixstowe ...	1026.9	+6	NNE	3	c	58	75	8	5	-	-	9+	9+	1800	0	1
	Gorleston ...	1027.1	+6	NE	4	c	59	75	7	5	-	-	10	10	1500	0	2
	Mildenhall ...	1027.3	+6	ENE	3	c	57	85	8	5	-	-	9+	9+	2100	0	*
	Cranwell ...	1028.7	+6	ENE	3	c	52	85	8	5	-	-	9+	9+	1200	0	*
3	Birmingham ...	1026.9	+4	NE	3	c	54	85	7	5	-	-	9+	9+	2500	0	*
	Upper Heyford	1027.3	+2	NE'E	4	c	55	85	8	5	-	-	9+	9+	900	1	*
4	Ross-on-Wye	1026.7	+6	ENE	3	c	55	85	7	5	-	-	9+	9+	2500	0	*
5	Hartland Point	1024.7	+6	ENE	3	bc	59	92	7	5	4	-	2-3	2-3	2200	0	2
	Bristol ...	1026.9	+6	ENE	3	c	55	85	8	5	-	-	9+	9+	1500	0	*
	Portland Bill ...	1024.6	+8	ENE	4	c	58	92	7	5	-	-	10	10	2500	0	4
	Plymouth ...	1024.4	+6	E	4	c	59	85	6	5	-	-	10	10	1800	0	1
	The Lizard ...	1023.7	+10	E'N	6	c	58	85	6	5	2	-	9	10	1500	0	3
	Scilly (St.Mary's)	1023.9	+14	E	4	c	59	97	6	5	4	-	7-8	9+	800	0	3
6	Pembroke ...	1025.6	+6	ENE	4	bc	61	92	7	5	7	-	Tr	2-3	2500	0	2
7	Holyhead ...	1026.6	+6	NW	1	c	61	92	7	5	-	-	7-8	7-8	4000	0	2
	Chester(Sealand)	1027.9	+6	SE	1	m	58	85	4	-	-	-	0	0	-	0	*
8	Manchester ...	1028.1	+6	NE	3	z_o	58	85	5	-	-	-	0	0	-	1	*
10	Spurn Head ...	1029.0	+2	NE'N	2	o	58	73	7	5	-	-	9+	9+	2500	0	2
	Catterick ...	1029.5	+8	NNE	1	f	55	97	2	-	-	-	10	10	4160	0	*
	Tynemouth ...	1029.0	+8	SE	2	c	56	97	6	5	-	-	9+	9+	1400	0	1
11	St. Abbs Head	1028.4	+2	SSE	3	bc jf	57	85	7	5	-	-	2-3	2-3	1500	0	2
	Leuchars ...	1029.0	+6	NNE	1	z_o	58	92	6	5	-	-	10	10	600	1	*
12	Renfrew (Abbots L.)	1028.9	+10	NE'E	2	m	57	97	4	5	-	-	10	10	800	1	*
	Eskdalemuir ...	1028.4	+2	N'E	1	b	57	97	6	5	-	-	Tr	Tr	220	1	*
	Point of Ayre...	1027.2	+6	SSE	4	b	62	92	6	-	-	-	0	0	-	0	2
13A	Tiree	1027.3	+6	NNE	1	bc	59	92	8	-	3	6	0	4-6	-	0	1
13E	Stornoway ...	1028.9	0	-	0	c	55	97	7	5	7	-	4-6	7-8	2500	0	0
15	Dalwhinnie ...	1029.0	-2	SSW	1	bc	54	92	7	5	5	-	2-3	4-6	800	1	*
	Aberdeen ...	1029.2	+4	S'W	3	c	56	97	6	5	-	-	10	10	450	1	1
	Wick ...	1028.7	+4	SE	1	F	51	97	1	-	-	-	10	10	4150	1	1
16	Lerwick ...	1028.7	+4	WSW	3	c	54	92	7	5	2	-	7-8	10	800	0	*
17	Blacksod Point	1025.7	+4	SE	2	bc	65	85	7	-	5	-	0	2-3	-	0	2
18	Malin Head ...	1027.0	+6	E	1	b	61	85	8	-	-	-	0	0	-	0	0
	Aldergrove ...	1027.4	+6	-	0	b	57	92	7	-	-	-	0	0	-	0	*
19	Birr Castle ...	1026.4	+4	NNE	1	bc	57	92	7	5	-	4	2-3	2-3	2500	0	*
20	Valentia Obsy.	1025.2	+8	ENE	1	z_o	58	92	6	-	7	2	0	7-8	-	0	1
	Roches Point	1024.9	+6	E	3	bc	65	85	7	-	-	5	0	4-6	-	0	1

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 1st Hrs. (36)
1	London (Kew)	74	56	55	-	-	9.8
	Croydon ...	73	56	54	-	-	8.2
	S. Farnborough	76	55	53	-	-	10.0
	Boscombe Down	75	53	49	-	-	11.0
	Calshot (Sthmtn.)	73	58	58	-	-	11.0
	Lympne ...	63	56	55	-	Tr	3.3
	Manston ...	63	57	51	Tr	Tr	0.0
2	Shoeburyness ...	67	56	56	-	-	6.5
	Felixstowe ...	67	55	53	-	-	6.0
	Gorleston ...	62	57	54	-	-	3.2
	Mildenhall ...	71	52	47	-	-	10.6
	Cranwell ...	70	51	49	-	-	11.9
3	Birmingham ...	75	52	48	*	-	13.7
	Upper Heyford	74	53	49	-	-	*
4	Ross-on-Wye	75	54	50	-	-	14.0
5	Hartland Point	69	59	55	-	-	13.5
	Bristol ...	75	54	47	-	-	12.8
	Portland Bill ...	64	57	*	-	-	*
	Plymouth ...	68	58	54	-	-	10.8
	The Lizard ...	66	57	*	-	-	12.1
	Scilly (St.Mary's)	70	58	*	-	-	8.9
6	Pembroke ...	*	*	*	-	-	11.9
7	Holyhead ...	69	60	50	-	-	13.7
	Chester(Sealand)	81	57	50	-	-	11.0
8	Manchester ...	79	52	45	-	-	8.8
10	Spurn Head ...	65	54	*	-	-	3.3
	Catterick ...	75	50	46	-	-	6.0
	Tynemouth ...	62	54	51	-	-	*
11	St. Abbs Head	65	52	*	-	-	*
	Leuchars ...	69	54	51	-	-	7.7
12	Renfrew (Abbots L.)	76	51	47	-	-	8.7
	Eskdalemuir ...	75	49	45	-	-	5.9
	Point of Ayre...	67	53	*	-	-	9.5
13A	Tiree	67	53	*	-	-	14.3
13E	Stornoway ...	67	51	*	-	-	11.6
15	Dalwhinnie ...	75	43	35	-	-	12.8
	Aberdeen ...	64	53	45	-	-	9.4
	Wick ...	61	44	*	-	-	*
16	Lerwick ...	59	50	*	-	-	*
17	Blacksod Point	73	59	*	-	-	*
18	Malin Head ...	61	52	*	-	-	14.0
	Aldergrove ...	76	49	47	-	-	13.[illegible]
19	Birr Castle ...	79	53	50	-	-	1.1
20	Valentia Obsy.	76	54	48	-	Tr	5.0
	Roches Point	69	57	*	-	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h.
KEW...	18	cbcb	bbyb	bbccm$_o$c	74	56	55	-	-	9.8	•	•	6
CROYDON	217	cm$_o$bz$_o$	bbc	bccm$_o$c	73	56	54	-	-	8.2	•	•.	7
GREENWICH (Royal Observatory)...	149	cb	b	c	73	56	54	-	-	8.4	63	72	7
CITY (Bunhill Row)	—	•	•	•	•	•	•	•	•		•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	75	57	56	—		8.7	67	77	•
REGENTS PK. (Botanic Gardens)‡...	168	•	•	•	76	56	55	-	-		69	65	•
CAMDEN SQUARE	110	bc	b	•	78	56	55	-	-	•	•	69	•
KENSINGTON	80	bc	cbc	•	77	56	55	-	-		70	71	•
HAMPSTEAD OBSERVATORY	450	obc	bc	bc	73	57	56	-	-		•	87	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 2nd..

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
<0.1	Whole	Period.	

FOREIGN OBSERVATIONS.

18h. G.M.T. 1st August — 7h. G.M.T. 2nd August

Stations	18h. Barom. mb.	18h. Wind Direc.	18h. Wind Force	18h. Weather	18h. Temp. °F.	7h. Barom. mb.	7h. Wind Direc.	7h. Wind Force	7h. Weather	7h. Temp. °F.	Past 24 Hours Max. Day °F.	Past 24 Hours Min. Night °F.	Past 24 Hours Rainfall Day mm.	Past 24 Hours Rainfall Night mm.
PARIS														
BRUSSELS														
BERLIN														
ZÜRICH														
ROME											•	•		

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 —Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6¼ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30 —Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptious.
4 Rough.	9 Confused.

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Saturday 3rd August 1940.

No. 28744

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Med. (10)	High (11)	Amount Low 0–10 (12)	Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1026·0	-10	E	3	zo	67	55	6	1	-	-	2-3	2-3	2500
	Croydon ...	1025·5	-8	E	3	c	65	65	8	5	-	-	7-8	7-8	2000
	S. Farnborough	1025·3	-6	NE'E	3	zo	69	55	6	1	-	-	4-6	4-6	2000
	Boscombe Down	1025·2	-6	ENE	2	b	68	55	7	1	-	-	1	1	3000
	Calshot (Soton.)	1025·3	-2	E'S	3	c	66	65	7	5	-	-	7-8	7-8	2500
	Lympne ...	1025·2	-4	NE	3	c	62	75	8	5	-	-	10	10	1800
	Manston ...	1025·7	-4	NE	4	c	63	75	7	5	7	-	4-6	10	1500
2	Shoeburyness ...	1026·2	-6	NE'E	4	c	63	75	8	5	-	-	9+	9+	2500
	Felixstowe ...	1026·7	-4	ENE	4	c	63	65	8	5	-	-	9	9	1800
	Gorleston ...	1027·1	0	NE	3	c	62	75	7	5	-	-	9+	9+	2500
	Mildenhall ...	1026·2	-10	NE'N	3	b	69	55	9	1	-	-	Tr	Tr	3500
	Cranwell ...	1027·8	-6	NE	3	b	67	75	8	1	-	-	1	1	2500
3	Birmingham	1026·8	-4	NE	3	b	68	55	8	-	-	-	0	0	-
	Upper Heyford	1025·9	-8	ENE	3	b	69	65	8	1	-	-	2-3	2-3	3500
4	Ross-on-Wye ...	1025·9	-6	ENE	4	b	68	55	8	1	-	1	Tr	Tr	4000
5	Hartland Point	1024·6	-4	NE	3	bc	66	85	7	1	-	-	2-3	2-3	2500
	Bristol ...	1025·9	-6	ENE	3	bc	68	65	8	1	-	-	2-3	2-3	3100
	Portland Bill ...	1024·5	+4	E	4	c	62	85	7	4	-	-	7-8	7-8	4000
	Plymouth ...	1025·1	-2	NE'E	3	zo	62	75	6	5	-	-	9+	9+	1000
	The Lizard ...	1024·8	+6	E'N	5	c	65	85	7	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	1024·4	+2	E'N	4	c	67	75	7	5	3	-	7-8	9+	1500
	Guernsey ...														
6	Pembroke ...	1025·7	0	SSW	4	b	63	85	7	-	3	-	0	1	-
7	Holyhead ...	1026·1	-2	E'N	5	b	71	55	7	-	-	-	0	0	-
	Chester (Sealand)	1026·9	-8	E'S	2	zo	70	55	6	-	-	-	0	0	-
8	Manchester ...	1027·2	-6	NE	3	zo	72	45	6	-	-	-	0	0	-
10	Spurn Head ...	1028·6	0	NE	3	c	63	65	7	7	-	-	9+	9+	2500
	Catterick ...	1028·4	-12	N'E	1	zo	65	75	6	5	-	-	4-6	4-6	1500
	Tynemouth ...	1029·2	+2	NNE	2	c	60	85	7	5	-	-	9	9	2400
11	St. Abbs Head	1028·6	0	SE	4	bc	62	85	7	5	4	-	2-3	2-3	1500
	Leuchars ...	1029·1	-2	E	2	zo	61	85	6	5	1	-	7-8	10	800
12	Renfrew (Abbots I.)	1028·0	-10	ENE	2	zo	70	75	5	-	-	-	0	0	-
	Eskdalemuir ...	1026·8	-2	-	0	bc	73	65	6	1	-	-	4-6	4-6	2500
	Point of Ayre ...	1027·5	0	S'E	4	b	70	75	7	-	-	-	0	0	-
13A	Tiree ...	1027·3	0	NE'E	1	b	66	85	8	1	-	5			220
13B	Stornoway ...	1028·4	+4	SE	2	bc	62	85	8	1	5	9	Tr	4-6	4000
15	Dalwhinnie ...	1027·9	-4	SW	1	bc	75	55	6	7	-	-	4-6	4-6	1500
	Aberdeen ...	1028·5	-6	S	4	bc	61	85	6	5	-	-	4-6	4-6	1500
	Wick ...	1028·3	-4	SE	1	F	55	97	1	-	-	-	10	10	<150
16	Lerwick...	1028·3	-4	WSW	4	c	58	85	8	5	7	-	4-6	7-8	1500
17	Blacksod Point...	1026·0	0	-	0	bc	76	65	7	-	4	5	0	2-3	-
18	Malin Head ...	1027·1	-2	E'S	3	bcjp	63	85	8	-	3	2	0	2-3	-
	Aldergrove ...	1026·7	-4	ENE	2	zo	76	65	6	5	-	-	Tr	Tr	1500
19	Birr Castle ...	1025·6	-4	NE	1	bc	79	55	7	1	-	-	2-3	2-3	2500
20	Valentia Obsy. †	1025·0	-6	WNW	3	bc	69	75	7	7	4	2	2-3	4-6	4000
	Roches Point ...	1026·3	+2	ESE	3	bcjp	68	75	8	1	-	5	Tr	4-6	4000

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Med. (24)	High (25)	Amount Low 0–10 (26)	Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1025·3	+2	E'S	3	b	67	65	7	1	-	-	Tr	Tr	2500	0	*
Croydon	1024·9	-4	E	3	b	63	75	7	1	-	-	Tr	Tr	2500	0	*
S. Farnborough	1024·7	-2	E'N	3	zo	69	65	7	-	-	-	0	0	-	0	*
Boscombe Down	1024·0	-2	NE	3	b	71	45	8	-	-	-	0	0	-	0	*
Calshot (Soton.)	1024·1	-6	E'S	3	b	70	65	7	-	-	-	0	0	-	0	1
Lympne	1025·2	-2	NNE	4	bc	61	75	8	7	-	-	4-6	4-6	2500	0	§ 3
Manston	1025·5	+2	NE	4	c	61	75	7	8	4	-	7-8	7-8	900	0	*
Shoeburyness	1026·2	-2	NE'N	4	c	61	75	8	5	1	-	9+	10	2500	0	*
Felixstowe	1026·3	0	ENE	4	c	61	75	8	5	-	-	9+	9+	2000	0	2
Gorleston	1026·9	-2	NE	4	c	60	85	7	5	-	-	9+	9+	1500	0	2
Mildenhall	1026·2	0	NE'E	3	bc	66	65	8	4	-	8	1	2-3	8000	0	*
Cranwell	1027·7	+4	E'S	3	b	63	65	8	-	-	-	0	0	-	0	*
Birmingham	1026·1	0	NE	3	b	70	55	8	-	-	-	0	0	-	0	*
Upper Heyford	1025·8	+4	NE	3	b	69	65	8	1	-	-	Tr	Tr	3500	0	*
Ross-on-Wye	1024·8	-8	NE'E	3	b	70	55	8	-	-	-	0	0	-	0	*
Hartland Point	1024·2	-6	NNE	3	b	65	75	8	-	4	-	Tr	Tr	7200	0	2
Bristol	1024·6	-8	ENE	2	b	71	55	8	-	-	-	0	0	-	0	*
Portland Bill	1024·3	-4	W	3	bc	62	85	7	4	-	-	2-3	2-3	4000	0	3
Plymouth	1023·9	-10	E	1	zo	67	65	7	-	42	-	0	Tr	-	0	1
The Lizard	1024·2	-4	E'N	3	b	62	75	8	-	-	-	0	0	-	0	3
Scilly (St. Mary's)	1024·3	-2	E	4	c	63	75	7	5	-	-	9	9	2500	0	3
Guernsey																
Pembroke	1025·0	-4	SW'W	1	b	65	75	7	-	-	-	0	0	-	0	1
Holyhead	1025·5	-2	ENE	3	b	69	65	6	-	-	-	0	0	-	0	2
Chester (Sealand)	1026·1	0	ESE	2	zo	75	45	6	-	-	-	0	0	-	0	*
Manchester	1026·2	-4	E'N	3	b	75	45	7	-	-	-	0	0	-	0	*
Spurn Head	1028·6	0	NE'N	3	c	59	75	7	7	-	-	7-8	9+	5700	0	2
Catterick	1028·3	0	NE	2	zo	64	75	6	-	-	-	0	0	-	0	
Tynemouth	1028·7	-2	SSE	2	b	60	85	7	-	-	-	0	0	-	0	0
St. Abbs Head	1027·4	-4	SE	4	b	60	85	7	4	-	-	1	1	1500	0	2
Leuchars	1027·9	-8	E	2	bc	62	85	7	5	-	-	2-3	2-3	900	0	*
Renfrew (Abbots I.)	1026·6	-6	ENE	2	zo	75	75	5	-	-	-	0	0	-	0	*
Eskdalemuir	1026·6	0	S'E	2	b	72	55	6	-	-	-	0	0	-	0	*
Point of Ayre	1026·8	-4	S	2	b	70	75	7	-	-	-	0	0	-	0	1
Tiree	1026·9	0	N'E	1	b	63	85	8	-	-	5	0	Tr	-	0	1
Stornoway	1028·3	0	SSE	1	c	59	85	8	1	5	-	Tr	7-8	4000	1	1
Dalwhinnie	1026·4	-2	SW	1	bc	73	55	6	7	-	-	4-6	4-6	2500	0	*
Aberdeen	1027·6	-4	S'W	3	bcjf	60	85	6	5	-	-	4-6	4-6	<150	1	1
Wick	1028·0	-2	E	1	F	55	97	1	-	-	-	10	10	<150	0	1
Lerwick	1028·3	+2	W'S	3	bc	58	85	8	5	7	1	4-6	4-6	1500	0	*
Blacksod Point	1025·3	0	WNW	1	b	70	75	7	-	-	-	0	0	-	0	2
Malin Head	1026·3	-4	ESE	1	bc	63	85	8	-	-	2	0	2-3	-	0	2
Aldergrove	1026·4	0	SE	3	zo	72	65	6	-	-	-	0	0	-	0	*
Birr Castle	1025·3	-2	NE	1	c	79	55	7	1	-	8	4-6	7-8	2500	0	*
Valentia Obsy. †	1025·6	+6	SW'W	3	b	66	85	7	1	-	-	1	1	4000	0	2
Roches Point	1025·5	-10	SSE	1	b	65	85	8	-	-	-	0	0	-	0	1

PAST 24 HOURS.

Stations	Weather 7h.—13h. 2nd (37)	13h.—18h. 2nd (38)	18h. 2nd to 1h. 3rd (39)	1h.—7h. 3rd (40)
London (Kew)	cbczoy	bczoyb	bbcc	cmo
Croydon	c	bcb	bbmo,bcw	bcccmo
S. Farnborough		bczoby	b	b,comoc
Boscombe Down	bcb	bybzo	b,cmob	bmo,cmo
Calshot (Soton.)	cmoc	byb	bbmo	bmo,rcmo
Lympne	cdoc	cbc	bc	cmo
Manston	cmoc	ccidocpo	ccidmo	cidomo
Shoeburyness	c	c	c	cw
Felixstowe	oc	c	co	oc
Gorleston	c	c	c	c
Mildenhall	cbcby	byb	bcmo	cmoc
Cranwell	bcb	bbyb	bc	c
Birmingham	cb	b	b	bo
Upper Heyford	cbc	bcbcyb	bbccmo	cmo
Ross-on-Wye	cbcbby	by	b	bwco
Hartland Point	bc	bcb	b	bbcc
Bristol	bc	bcby	bbccmo	cbccmow
Portland Bill	c	bc	bc	bcc
Plymouth	cmo	czo,b	bmow	bmowbcmo
The Lizard	c	cbcb	bbcw	bcco
Scilly (St. Mary's)	c	cbcc	cbcbw	bbccw
Guernsey				
Pembroke	bcbzo	bzo	bw	bbczo
Holyhead	cbyb	byb	bwmb	bwmb
Chester (Sealand)	bmcfbmog	bzoy	bzoywmo	bmow
Manchester	bzoy	vzoyby	bybzomo	f
Spurn Head	c	cbc	co	o
Catterick	ofbczo	bczo bzo	bmofgcmw	cmwmow
Tynemouth	c	cbcb	b	bcffbc
St. Abbs Head	mocbc	b	bcb	mbcb
Leuchars	omo	omobc	bcbmbm	bmcwofwff
Renfrew (Abbots I.)	owmobzo	bzo	bzobcmbf	bFFw
Eskdalemuir	bbc	bcyby	bbcmo	bcbmo
Point of Ayre	b	b	bbw	b
Tiree	bcb	b	b	bbczo
Stornoway	cbc	bcc	bbc	bcb
Dalwhinnie	bc	bc	·	bc
Aberdeen	cbczo	bczo	bcmo	bcmo
Wick	Ff	Ffif	ifFf	Ffc
Lerwick	c	cbc	bccofc	oifFc
Blacksod Point	bc	b	b	b
Malin Head	bczojfsbc	bczbczo	bczobc	bc
Aldergrove	bzo	bzo	bzmow	bmowfg
Birr Castle	pcy	bccy	b	b
Valentia Obsy. †	czobc	bccbcb	bcbwbmo	bmFc
Roches Point	bbc	b	ffc.	fcbcb

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29—STATE OF GROUND.

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

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

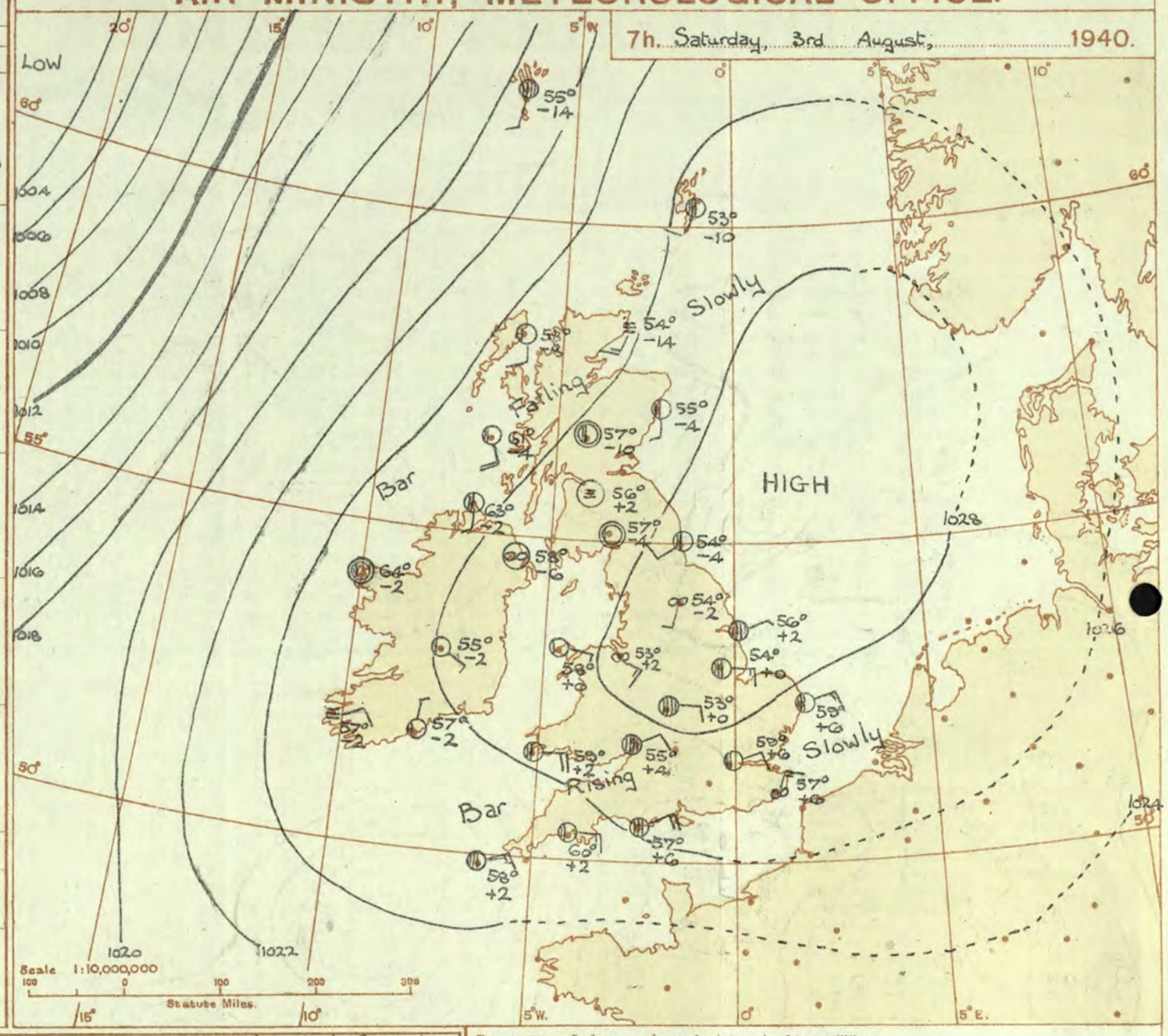
Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 2nd Aug.			18h. G.M.T.			01h. G.M.T. 3rd Aug.			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	53	02744	14215	57	03615	16216	--	46309	00049	--	46209	18249
115	73	01863	12215	73	01863	12314	--	47109	12249	11	01853	12144
203												
206				13	03761	08313				--	46209	00049
210	53	08633	04325	5-	08428	04318	--	48009	20149	--	44209	00049
220	13	01561	26104	00	00830	24100				00	00730	19200
230	13	01761	22113	04	00830	20101				00	05630	00005
245	5-	05638	16228	5-	05636	18326	00	08490	28100	--	44309	26249
260	5-	05548	04128				00	47390	00040			
277				00	05630	14100	00	08490	27140	00	05630	09240
279												
285	10	05643	14413	10	05745	12413				70	00852	30402
288	00	00890	03410	00	00830	04300	--	48109	20149	5-	02746	17146
273	10	01761	08301							00	05530	09200
301	00	05630	07300	00	05630	08200						
321	00	00790	06300	00	00790	03200	5-	05647	06117	5-	05647	09228
299	50	01744	01314	50	01745	07215	5-	03748	08228	5-	02747	08227
292	10	00952	08212	40	00861	08201	5-	05638	00018	5-	02848	16128
310	--	01642	04412	--	01642	04412					46109	04349
316	00	00890	04310	00	00830	04300	5-	02658	06318	5-	02746	04227
333	04	00790	16201	00	00830	26200	00	05630	00000	00	00930	16300
334				--	00790	04200					00790	04100
340	00	00790	06200	00	00830	06300	00	00790	08300	5-	02747	12227
136	50	02365	04425	50	01854	04314	50	05642	08212			
336	--	00830	08300	--	00830	04400					03743	08418
350				10	00872	02302				5-	02748	02228
368	50	05661	08301	00	00730	07300	00	05630	08300	5-	05647	07317
379	10	01762	08202	00	00830	06300	--	48309	06249	5-	05638	08228
390	50	00852	08412	53	01763	08314				5-	05648	08228
382	10	00851	06301	10	00861	02301	10	00748	04208	5-	03748	04228
438	02	03748	04528							02	03638	06428
430				00	00790	06300	00	05630	04100			
409	50	05644	10324	50	05654	02214	00	05530	14100			

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday, 3rd August, 1940.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 3rd August, 1940
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light easterly wind becoming S.E. or variable; fine, but local fog inland in early morning; average temperatures today, warm tomorrow.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light or moderate SE wind; fine, but some fog inland in early morning; rather warm during day.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Light Southerly wind; fine but some fog inland in early morning; rather warm during the day.
13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Light or moderate southerly wind; mainly fine; rather warm.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 7-12.

GENERAL INFERENCE.

An anticyclone centred over the Western North Sea is moving slowly south. A deepening depression off West Iceland is moving northeast. Weather will continue fair or fine in most districts, but fog will occur inland at night and in the early morning. Temperatures will rise in the Southeast.

FURTHER OUTLOOK.

Fine in most districts and warmer than of late, but less settled in the extreme Northwest.

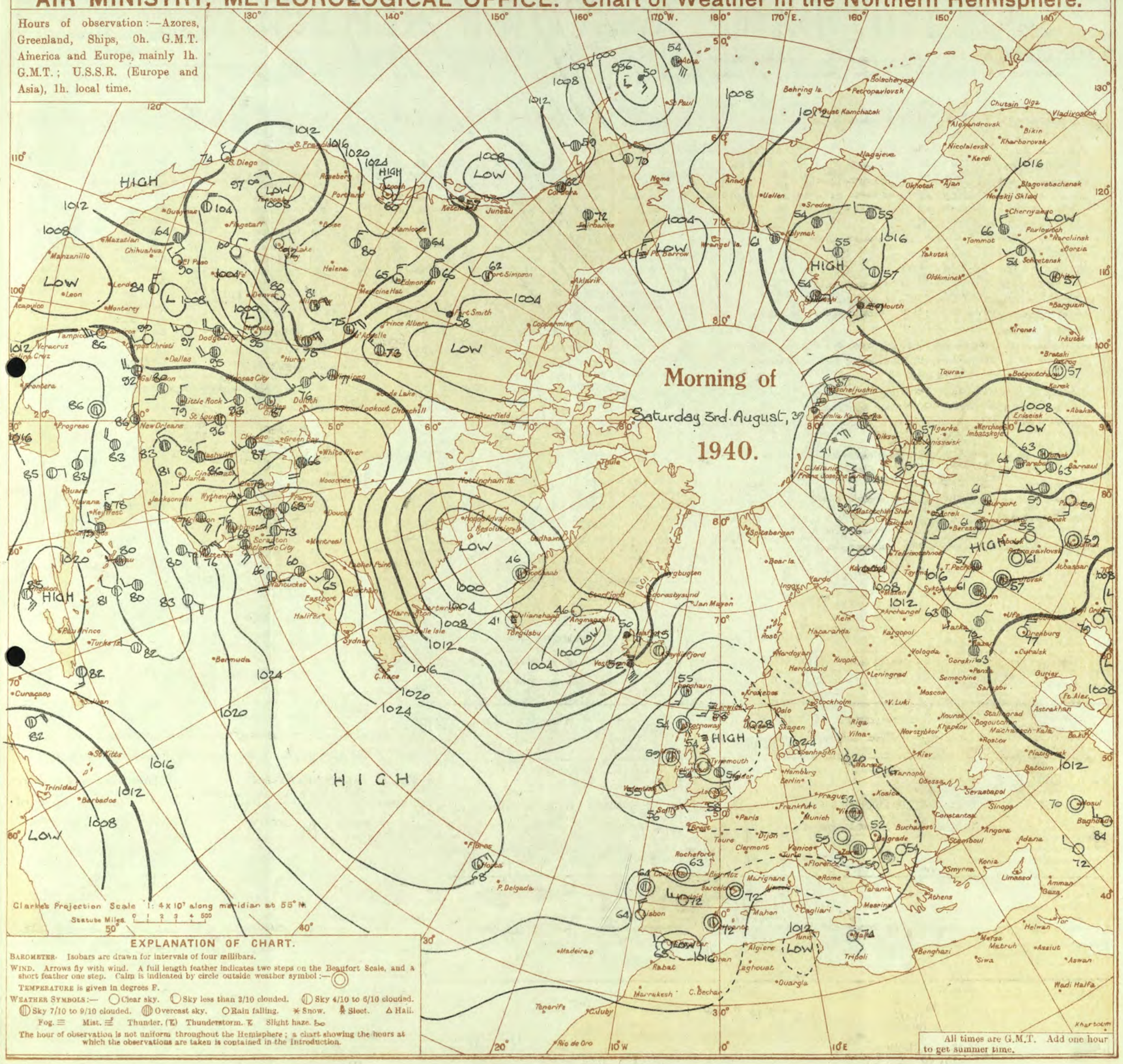
Forecasts issued at 1030h GMT.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



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. (Th) Thunderstorm. Slight haze.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 3rd August 1940.

No 28744

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1026·6	+2	E'N	2	bc	58	85	7	5	-	-	4-6	4-6	2000
	S. Farnborough	226	1026·9	0	NE'E	3	b	55	85	7	-	-	-	0	0	-
	Boscombe Down	417	1026·9	+6	ENE	2	b	56	85	7	5	-	-	Tr	Tr	1800
	Calshot (Sthmtn.)	8	1025·9	+2	ENE	2	Z_0	57	85	6	-	-	-	0	0	-
	Lympne ...	346	1026·6	+6	NE	4	c	57	97	7	5	-	-	10	10	1100
	Manston ...	154	1027·1	+6	NE'E	3	id.	58	97	5	5	-	-	10	10	200
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1027·4	+2	NE'E	3	o	58	85	7	5	-	-	10	10	1200
	Gorleston ...	5	1027·8	+8	ENE	3	c	59	75	7	5	-	-	7-8	7-8	1500
	Mildenhall ...	19	1027·3	+2	ENE	2	Z_0	57	85	6	5	-	-	9+	9+	1600
	Cranwell ...	240	1028·8	0	E	1	c	55	85	7	5	-	-	10	10	1500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1027·8	+6	NNE	2	Z_0	53	97	6	5	-	-	10	10	1200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1025·8	+2	E	3	b	63	75	8	-	-	-	0	0	-
	Bristol ...	209	1027·0	+10	ENE	1	Z_0	57	92	6	5	-	-	7-8	7-8	2200
	Portland Bill ...	32	1025·2	+3/6	NE	3	bc	60	92	7	5	-	-	4-6	4-6	4000
	Plymouth ...	82	1025·8	+2	NE'E	1	Z_0	54	85	6	-	-	-	0	0	-
	The Lizard ...	240	1025·3	0	NE'E	2	bc	56	92	7	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1025·6	+6	NE	2	b	56	92	7	-	-	-	0	0	-
	Guernsey ...	175														
6	Pembroke ...	142	1025·5	0	NE'E	3	b	58	97	7	-	-	-	0	0	-
7	Holyhead ...	26	1026·4	+4	SE	2	b	59	92	6	-	-	-	0	0	-
	Chester (Sealand)	16	1027·9	+4	SE'S	2	Z_0	55	85	5	-	-	-	0	0	-
8	Manchester ...	70	1028·1	+4	NE	1	Z_0	52	92	6	-	-	-	0	0	-
10	Spurn Head ...	29	1029·3	+2	NE'E	1	c	56	85	6	5	-	-	9+	9+	1500
	Catterick ...	175	1029·3	+2	-	0	m	51	97	4	3	-	-	10	10	1000
	Tynemouth ...	108	1029·3	0	SW	2	b	54	92	6	-	-	-	0	0	-
11	St. Abbs Head	280	1027·7	+2	S	2	b	55	92	7	-	-	-	0	0	-
	Leuchars ...	36	1027·9	-2	-	0	m	54	97	4	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	1027·6	+2	-	0	bF+	58	97	1	-	-	-	0	0	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1027·6	+4	SSE	2	b	57	97	7	-	-	-	0	0	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1027·5	-10	-	0	bc	54	97	7	-	5	-	0	4-6	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1027·7	-2	SE	2	F+	54	97	1	-	-	-	10	10	<150
16	Lerwick ...	156	1028·8	+2	SW	3	f+	53	97	2	-	-	-	10	10	<150
17	Blacksod Point	18	1025·8	0	-	0	b	59	92	8	-	-	-	0	0	-
18	Malin Head ...	84	1026·2	-4	S	1	b	56	75	8	-	-	-	0	0	-
	Aldergrove ...	268	1027·4	+2	-	0	Z_0	56	92	6	-	-	-	0	0	-
19	Birr Castle ...	173	1026·7	+4	NE	1	b	57	85	8	-	-	-	0	0	-
20	Valentia Obsy.	30	1026·4	0	NE'E	3	m	55	97	4	-	-	-	0	0	-
	Roches Point	22	1026·4	+2	NW'W	2	f	59	97	2	5	-	-	10	10	<150

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F. (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 2nd Hrs. (36)
1	London (Kew)	1027·6	+8	NE'E	3	Z_0	59	85	6	5	-	-	10	10	2500	0	*	71	58	53	-	-	10·5
	Croydon ...	1027·3	+6	NE'E	2	c	59	85	6	5	-	-	10	10	1200	0	*	69	56	50	-	-	7·0
	S. Farnborough	1027·2	+4	NE'E	2	Z_0	59	85	6	5	-	-	10	10	900	0	*	73	54	47	-	-	10·5
	Boscombe Down	1027·0	+2	ENE	2	Z_0	57	85	6	5	-	-	9+	9+	1200	0	*	73	51	48	-	-	10·9
	Calshot (Sthmtn.)	1026·3	+6	NE	2	Z_0	59	85	6	5	-	-	7-8	7-8	5000	0	1	72	55	51	-	-	6·9
	Lympne ...	1026·8	+6	NNE	3	Z_0	57	97	6	5	-	-	10	10	500	0	§3	63	56	52	Tr	-	4·5
	Manston ...	1027·2	+4	NE	3	Z_0	59	92	6	5	-	-	10	10	400	0	*	63	58	56	Tr	Tr	0·9
2	Shoeburyness ...	1027·5	+2	NE'N	3	c	59	85	8	5	-	-	10	10	1500	0	*	63	58	56	-	-	0·1
	Felixstowe ...	1027·8	+6	NNE	3	c	58	85	8	5	-	-	9+	9+	1200	0	1	64	57	57	-	-	0·3
	Gorleston ...	1027·8	+6	NE	3	c	59	75	7	5	-	-	9+	9+	1100	0	2	62	57	54	-	-	0·4
	Mildenhall ...	1027·9	+2	NE'E	2	c	57	85	7	5	-	-	10	10	1500	0	*	71	55	54	-	-	10·5
	Cranwell ...	1028·9	0	E	3	c	54	85	8	5	-	-	10	10	1500	0	*	67	51	50	-	-	11·8
3	Birmingham ...	1028·8	0	E	2	o	53	85	6	5	-	-	10	10	800	0	*	72	52	47	-	-	11·6
	Upper Heyford	1028·0	+4	NE	2	Z_0	55	85	6	5	-	-	10	10	1200	0	*	72	52	46	-	-	*
4	Ross-on-Wye	1027·4	+4	NE'E	2	o	55	85	7	5	-	-	10	10	1500	0	*	72	52	42	-	-	11·7
5	Hartland Point	1025·7	+8	E	3	bc	59	85	7	4	-	-	4-6	4-6	2500	0	2	67	56	51	-	-	13·0
	Bristol ...	1027·7	+6	ENE	2	c	56	85	7	5	-	-	10	10	1600	0	*	72	52	43	-	-	11·1
	Portland Bill ...	1026·1	+6	NE	4	c	57	92	7	5	2	-	4-6	7-8	4000	0	4	64	56	*	-	-	*
	Plymouth ...	1025·5	+2	E	3	bc	60	85	6	5	3	-	4-6	4-6	3500	0	1	67	52	42	-	-	5·6
	The Lizard ...	1024·9	+2	E'N	4	o	59	92	7	5	-	-	10	10	1500	0	3	65	54	*	-	-	6·2
	Scilly (St. Mary's)	1025·0	+2	ENE	3	c	58	92	7	5	2	-	7-8	9+	1500	0	1	69	55	*	-	-	4·3
	Guernsey ...																						
6	Pembroke ...	1026·2	+2	E	4	bc	59	97	7	-	7	-	0	2-3	-	0	1	67	54	*	-	-	13·7
7	Holyhead ...	1026·5	0	E'S	1	b	58	85	8	-	-	-	0	0	-	0	1	73	54	43	-	-	11·6
	Chester (Sealand)	1028·4	+2	ESE	3	Z_0	53	85	6	5	-	-	4-6	4-6	800	0	*	77	49	44	-	-	11·7
8	Manchester ...	1028·7	+6	SSE	1	F	49	97	1	-	-	-	10	10	<150	1	*	77	42	35	-	-	13·5
10	Spurn Head ...	1029·0	+2	ENE	1	c	56	75	7	5	-	-	9+	9+	1500	0	1	65	54	*	-	-	5·5
	Catterick ...	1028·6	-2	S'W	1	Z_0	54	85	6	5	-	-	9+	9+	1200	0	*	69	47	42	-	-	6·4
	Tynemouth ...	1028·1	-4	SW	2	bc	54	92	6	8	-	-	2-3	2-3	4000	0	1	62	50	49	-	-	*
11	St. Abbs Head	1027·3	-4	NW	1	bif	56	92	5	-	-	-	0	0	-	0	1	62	53	*	-	-	*
	Leuchars ...	1027·1	-6	-	0	f-	55	97	2	-	-	-	10	10	<150	1	*	64	52	45	-	Tr	3·4
12	Renfrew (Abbots I.)	1027·3	+2	-	0	F+	56	97	1	-	-	-	10	10	<150	1	*	77	51	48	-	-	6·8
	Eskdalemuir ...	1027·6	-4	-	0	b	57	85	6	-	-	-	0	0	-	0		77	47	40	-	-	9·8
	Point of Ayre...	1026·9	-4	S	4	b	62	85	7	-	-	-	0	0	-	0	2	71	55	*	-	-	12·3
13A	Tiree	1024·4	-4	SSE	4	bc	61	92	6	-	-	6	0	2-3	-	0	3	72	56	*	-	-	13·0
13B	Stornoway ...	1025·4	-8	S	2	b	58	92	8	-	5	-	0	4-6	-	0	1	62	53	*	-	-	6·2
15	Dalwhinnie ...	«	-10	-	0	c	57	92	6	-	5	-	0	7-8	-	1	*	78	44	36	-	-	11·6
	Aberdeen ...	1026·3	-4	S	1	bcif	55	97	6	5	3	-	2-3	2-3	<150	1	1	62	54	52	-	-	6·6
	Wick ...	1025·4	-14	SSW	3	F	54	97	1	-	-	-	10	10	<150	1	1	56	50	*	-	Tr	*
16	Lerwick ...	1026·8	-10	SSW	2	c	53	97	7	5	7	-	7-8	10	800	0	*	60	52	*	-	-	7·9
17	Blacksod Point	1024·2	-2	-	0	b	64	85	6	-	-	-	0	0	-	0	1	77	57	*	-	-	*
18	Malin Head ...	1024·9	-2	S	1	bc	63	75	8	2	-	-	2-3	2-3	3700	0	2	69	58	*	-	-	14·0
	Aldergrove ...	1026·3	-6	-	0	Z_0	58	92	6	-	-	-	0	0	-	0	*	79	52	47	-	-	12·5
19	Birr Castle ...	1026·0	-2	SE	1	b	55	85	7	-	-	-	0	0	-	0	*	86	48	44	-	-	11·3
20	Valentia Obsy.	1025·9	-2	NE'E	2	F	57	97	1	-	-	-	10	10	<150	0	0	72	55	51	-	Tr	12·7
	Roches Point	1025·3	-2	N	1	b	57	97	7	-	-	-	0	0	-	0	1	69	56	*	-	0·2	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon.	Weather Night.	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew...	18	cbczy	bczyb	bbcm.	71	58	53	-	-	10·5	*	*	6
Croydon	217	c	bcb	bbmycm	69	56	50	-	-	7·0	*	*	6
Greenwich (Royal Observatory)...	149	cb	b	bc	70	57	50	-	-	7·2	62	82	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	71	59	55	-	-	7·8	72	86	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*									*
Camden Square	110	bc	bc	*	75	58	53	-	-	*	*	79	*
Kensington	80	bc	bc	*	74	59	55	-	-		66	81	*
Hampstead Observatory	450	bc	bc	o	70	55	51	-	-		*	92	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 3rd

South Kensington.

Max.	Time.	Min.	Time.

Kew Observatory.

Max.	Time.	Min.	Time.
40·1	whole period.		

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 2nd August Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 3rd August Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.
Paris										
Brussels										
Berlin										
Zürich										
Rome										

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptious.
4 Rough.	9 Confused.

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 4th August 1940.

No. 28745

SECRET

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1026·3	-12	E'N	2	zo	68	65	6	-	-	-	0	0	-
	Croydon	1026·2	-12	ENE	2	b	69	65	7	-	-	5	0	Tr	-
	S. Farnborough	1025·7	-18	E'N	3	zo	72	65	6	-	-	-	0	0	-
	Boscombe Down	1025·4	-18	E'N	3	b	71	65	7	-	-	-	0	0	-
	Calshot (Soton.)	1025·7	-6	SE	3	zo	70	75	6	4	-	-	1	1	3000
	Lympne	1026·0	-10	NNE	2	bc	66	75	8	1	-	1	Tr	2-3	1500
	Manston	1026·7	-10	NE'N	3	c	63	85	7	5	-	-	9+	9+	1200
2	Shoeburyness	1027·2	-18	NNE	3	bc	64	75	8	7	-	2	4-6	4-6	2500
	Felixstowe	1027·4	-6	E	3	c	65	75	8	5	-	2	4-6	7-8	1200
	Gorleston	1027·7	-4	ENE	3	c	60	65	7	5	-	-	9+	9+	1500
	Mildenhall	1026·6	-14	ESE	2	bc	73	55	9	1	-	8	Tr	4-6	3000
	Cranwell	1027·1	-14	E'S	3	b	70	55	8	-	-	-	0	0	-
3	Birmingham	1026·6	-8	SE	2	zo	64	65	7	-	-	-	0	0	-
	Upper Heyford	1026·6	-14	ENE	2	zo	68	75	6	-	-	-	0	0	-
4	Ross-on-Wye	1026·0	-10	E	2	zo	64	75	6	7	-	-	2-3	2-3	2500
5	Hartland Point	1024·5	-8	NE	3	b	65	85	7	-	6	-	1	1	4000
	Bristol	1026·3	-12	NE	2	c	66	75	7	5	-	-	7-8	7-8	1800
	Portland Bill	1025·5	-12	E	4	bc	62	92	7	5	-	-	4-6	4-6	4000
	Plymouth	1025·1	-4	E	3	zo	63	92	6	5	-	-	10	10	900
	The Lizard	1025·0	+2	E	3	m	60	92	4	5	-	-	10	10	1100
	Scilly (St. Mary's)	1024·5	-4	E	4	zo	62	92	5	5	-	-	10	10	1500
	Guernsey														
6	Pembroke	1024·9	-6	SE	4	bc	63	92	6	2	-	-	2-3	2-3	3000
7	Holyhead	1025·4	-8	NW	2	b	63	75	7	-	-	-	0	0	-
	Chester (Sealand)	1025·9	-18	E	3	zo	69	65	6	-	-	-	0	0	-
8	Manchester	1026·0	-22	SSE	2	zo	72	55	6	-	-	-	0	0	-
10	Spurn Head	1027·8	+2	E'S	3	bc	61	65	7	2	5	-	1	2-3	4000
	Catterick	1026·4	-18	S'W	2	b	68	65	7	-	-	-	0	0	-
	Tynemouth	1026·4	-12	SSE	3	bc	59	85	7	-	4	-	0	2-3	-
11	St. Abbs Head	1024·8	-14	SSE	4	m	64	85	4	-	4	-	0	Tr	-
	Leuchars	1024·4	-16	E	2	zo	68	75	6	-	-	-	0	0	-
12	Renfrew (Abbots I.)	1024·3	-16	W	2	zo	78	45	6	1	-	1	Tr	Tr	4000
	Eskdalemuir	1024·2	-16	SE'S	1	b	74	55	7	1	4	-	Tr	Tr	4000
	Point of Ayre	1025·6	-8	S'W	4	b	67	75	7	-	-	-	0	0	-
13A	Tiree	1022·3	-12	SSE	4	b	68	75	6	-	-	-	0	0	-
13B	Stornoway	1021·0	-18	SW	6	b	69	75	6	-	-	-	0	0	-
15	Dalwhinnie	*	-12	WSW	3	bc	76	55	6	1	-	-	2-3	2-3	2500
	Aberdeen	1023·8	-12	S	3	bjf	64	85	6	-	-	-	0	0	-
	Wick	1022·7	-14	S	4	F	55	97	1	-	-	-	10	10	<150
16	Lerwick	1023·2	-20	S	5	c	55	85	7	5	2	-	7-8	10	450
17	Blacksod Point	1022·6	-4	SSW	4	b	66	85	6	-	-	7	0	1	-
18	Malin Head	1022·6	-8	S'W	2	zo	77	45	7	-	-	-	0	0	-
	Aldergrove	1023·8	-14	SE'S	3	b	77	55	7	1	-	-	Tr	Tr	4000
19	Birr Castle	1024·4	-12	SE	2	b	77	55	7	-	-	-	0	0	-
20	Valentia Obsy. †	1024·5	-10	SSW	3	b	69	65	7	1	-	-	1	1	4000
	Roches Point	1024·4	-6	ESE	2	b	67	85	7	1	-	-	1	1	4000

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1024·4	-10	E	2	bc	73	55	7	-	-	6	0	2-3	-	0	*
Croydon	1024·5	-12	E	2	bc	70	65	8	-	-	5	0	2-3	-	0	*
S. Farnborough	1023·9	-8	NE'E	3	zo	74	55	7	4	-	9	Tr	1	4500	0	*
Boscombe Down	1023·5	-10	E	1	zo	75	55	7	1	-	-	1	1	2500	0	*
Calshot (Soton.)	1023·9	-10	SE	3	zo	66	85	6	-	-	1	0	Tr	-	0	2
Lympne	1024·8	-6	NE'N	3	b	64	75	8	-	-	1	0	Tr	-	0	§2
Manston	1025·2	-6	NE	3	zo	62	85	6	5	-	-	2-3	2-3	1000	0	*
Shoeburyness	1025·7	-6	E'N	3	bc	63	85	8	1	-	1	2-3	4-6	2500	0	*
Felixstowe	1025·7	-10	E	3	bc	64	75	8	5	-	2	4-6	4-6	1400	0	1
Gorleston	1026·3	-6	E	2	c	61	85	7	5	-	-	9+	9+	2500	0	2
Mildenhall	1024·6	-12	E'S	2	c	72	65	8	5	-	4	Tr	7-8	4000	0	*
Cranwell	1025·2	-6	SE	3	bc	67	65	8	-	-	1	0	2-3	-	0	*
Birmingham	1024·2	-10	S	2	bc	72	55	8	1	-	-	2-3	2-3	4000	0	*
Upper Heyford	1024·3	-10	E	1	b	74	55	7	1	-	2	Tr	1	2500	0	*
Ross-on-Wye	1024·1	-12	ESE	1	zo	71	65	6	-	-	-	0	0	-	0	*
Hartland Point	1023·0	-6	W	2	b	68	85	7	-	6	-	Tr	Tr	4000	0	1
Bristol	1023·9	-10	ENE	1	b	74	65	7	1	-	-	Tr	Tr	2500	0	*
Portland Bill	1024·1	-8	E	3	bc	61	92	7	5	-	-	4-6	4-6	4000	0	3
Plymouth	1023·3	-12	E	3	zo	67	75	7	5	-	-	Tr	Tr	3500	0	1
The Lizard	1023·3	-14	ENE	5	c	61	92	5	5	1	-	9	10	1200	0	3
Scilly (St. Mary's)	1023·6	-2	E	3	zo	62	85	6	5	-	-	10	10	800	0	2
Guernsey																
Pembroke	1024·9	-2	SSE	3	bc	63	97	6	-	3	-	0	2-3	-	0	2
Holyhead	1023·3	-10	SSW	2	b	65	65	7	-	-	-	0	0	-	0	1
Chester (Sealand)	1023·8	-10	SE	3	zo	73	55	6	-	-	-	0	0	-	0	*
Manchester	1023·4	-14	S	3	b	74	55	7	-	-	-	0	0	-	0	*
Spurn Head	1026·0	-18	ESE	3	bc	59	75	7	-	-	4	0	2-3	-	0	1
Catterick	1023·9	-6	S	2	b	69	65	7	-	-	-	0	0	-	0	*
Tynemouth	1024·2	-16	SSE	3	bc	59	85	7	5	-	-	2-3	2-3	2500	0	2
St. Abbs Head	1022·4	-16	SE	4	bc	61	85	6	5	-	-	2-3	2-3	1500	0	2
Leuchars	1021·3	-20	SE	4	b	72	65	6	-	3	1	0	1	-	0	*
Renfrew (Abbots I.)	1021·9	-14	SW'W	2	b	73	55	7	-	-	-	0	0	-	0	*
Eskdalemuir	1022·1	-10	SW'W	3	b	70	65	6	-	-	-	0	0	-	0	*
Point of Ayre	1023·5	-2	NW	2	b	65	85	8	-	-	-	0	0	-	0	1
Tiree	1019·6	-12	SSW	3	b	67	75	7	-	-	-	0	0	-	0	3
Stornoway	1018·3	-18	SW	4	b	64	75	6	-	-	-	0	0	-	0	3
Dalwhinnie	1021·1	-14	SW	1	b	70	55	6	1	-	-	1	1	2500	0	*
Aberdeen	1021·4	-18	SSW	4	b	63	55	7	-	-	-	0	0	-	0	1
Wick	1018·9	-20	S	2	bc	61	92	6	5	4	-	1	2-3	2500	1	1
Lerwick	1020·2	-14	S	5	cif	56	97	7	5	7	8	7-8	10	800	0	*
Blacksod Point	1021·4	-10	SW	3	bc	65	75	7	-	4	-	0	4-6	-	0	2
Malin Head	1021·0	-8	SSW	4	zo	64	85	6	-	4	-	0	2-3	-	0	0
Aldergrove	1021·6	-14	SE'S	4	b	70	55	7	-	-	-	0	0	-	0	*
Birr Castle	1021·5	-12	SE	1	bc	73	65	7	4	-	4	4-6	4-6	2500	0	*
Valentia Obsy. †	1023·0	-10	W	3	b	65	75	8	7	4	-	1	1	4000	0	2
Roches Point	1023·3	-8	S	2	bcf	63	92	2	5	-	-	4-6	4-6	<150	0	2

PAST 24 HOURS. — WEATHER.

Stations	7h.—13h. 3rd (37)	13h.—18h. 3rd (38)	18h 3rd to 1h 4th (39)	1h.—7h. 4th (40)
London (Kew)	cmobcbzo	bzobybc	bcb	bbccmow
Croydon	cmobc	b	bcbwcf	ofem
S. Farnborough	cmozob	bzobcb	bywf	bfoFe
Boscombe Down	cbcbzo	bzo	bmo	bmojffe
Calshot (Soton.)	cmobcmo	bzobmo	bmobmowoff	ofbcwmo
Lympne	cmocbc	bcb	bmow	bmowfee
Manston	cmoc	cbcbczo	bcmoomo	omoidf
Shoeburyness	cbc	bcbbc	bcc	cwomo
Felixstowe	cbc	bccbc	emo	cmof
Gorleston	c	c	co	czozo
Mildenhall	cbcy	bcycy	ybcbomo	omow
Cranwell	c,by	byb	b,e,bw	b,oFefe
Birmingham	obz	b	b	bw
Upper Heyford	cbcmobzo	bzob	bbcb	bmofoF
Ross-on-Wye	oc	b	bzo cbm	bmfwF
Hartland Point	bcbbc	b	bz	bFifw
Bristol	c	cbcb	bc	bmFmmo
Portland Bill	cbc	bc	bbc	co
Plymouth	cmo	cmo,bzo	bmo	bmow
The Lizard	com	omc	bcw	cmc
Scilly (St. Mary's)	como	omo	omo	omoc
Guernsey				
Pembroke	bczo	bcmo	bcmbw	ciF
Holyhead	b	b	bwmob	bwmoc
Chester (Sealand)	bcbzo	bzoy	bmow	bmofcm
Manchester	bzobzoy	bzoyby	bm	bcmo
Spurn Head	cbc	bc	b	F
Catterick	cmo wb	bmobyb	bmow	mowFof
Tynemouth	bc	bc	bcb	bbc
St. Abbs Head	bf	bcbmo	mobcb	mobc
Leuchars	bmo	bmob	bbmow	bmow
Renfrew (Abbots I.)	bwfmzoy	bzoby	byjfmowfg	bmogfcw
Eskdalemuir	bzoby	bybzo	bzob	bbccow
Point of Ayre	b	b	bbw	bbc
Tiree	bzo	b	bcc	cdo
Stornoway	b	b	bc	bccpr
Dalwhinnie	bc	bc	* •	bcc
Aberdeen	bcbzo	bzoby	byb	?bw
Wick	FF	Fbcm	bmo	bzcbc
Lerwick	coidoc	cocif	cmo	cmo
Blacksod Point	bc	bc	ido	c
Malin Head	bczobyb	bzzb	czzc	bccc
Aldergrove	bmoby	by	bybcbw	bwcmobc
Birr Castle	by	bc	c	c
Valentia Obsy. †	Fecmobczo	bbcb	bbcwmfmo	cmo
Roches Point	b	bzobcf	cbc	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r₀, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
Solar halo. lunar halo. Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29 —STATE OF GROUND.

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

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

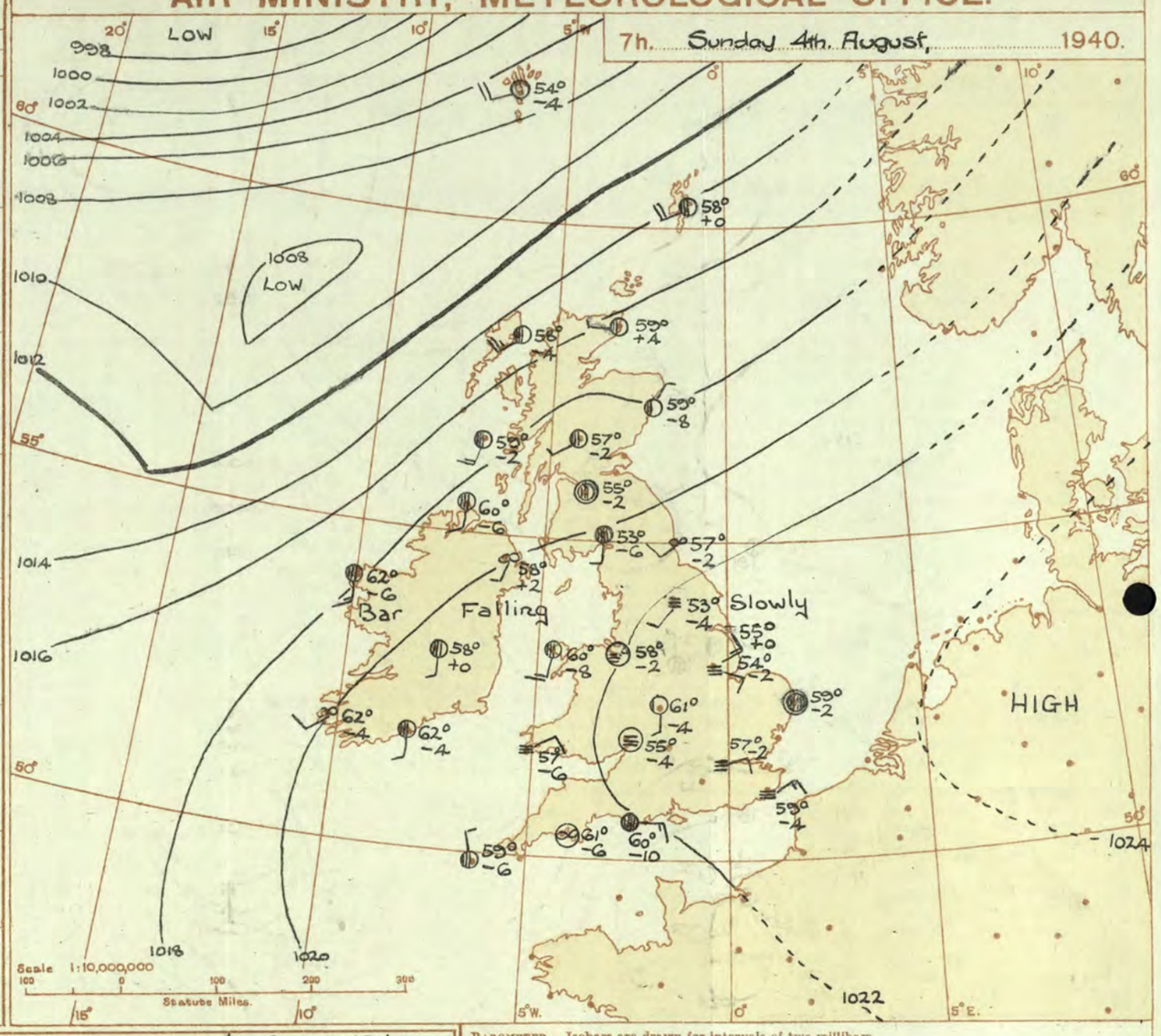
Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 3rd August			18h. G.M.T.			01h. G.M.T. 4th August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	53	01724	17444	10	03661	00001	00	05890	18300	56	01762	22313
115	71	01763	20414	51	09753	20414	51	09753	21514	52	09764	20515
203												
206	13	09861	08102	00	00890	08100	00	09890	00000	03	09790	17214
210	00	09890	08201	10	09761	00001	00	05590	16100	03	00890	22201
220	00	05690	17400	03	05690	23414						
230				00	05690	20200	00	00790	14110	57	01656	20188
245	00	09690	16320				00	05590	28200	00	05690	24101
260	00	05590	32140	00	00890	18200	00	00790	00000	50	00763	00003
277	00	05690	14301	00	00890	14200	00	00790	10300	5-	05637	22147
279												
285	10	00851	10401	00	05790	16400						
288	00	00890	17210	00	00890	18300	00	05690	22200	--	48309	20209
273	00	05690	16403							71	08434	16307
301	00	05690	14300							5-	05566	12146
321	00	00790	14202	00	00890	14201	00	00690	14200	50	05664	15244
299	50	01742	14312	50	00751	15301	50	05651	18301	--	48109	18349
292	00	05690	12210	00	05690	14203	00	05690	10200	--	44109	08149
310	--	01642	04312									
316	00	01790	10211	00	01890	12202	00	05690	00000	00	41490	00042
333	00	17790	18300	00	00790	25200	50	05664	00014	53	02652	12127
334	--	00890	22100	--	01863	16103						
340				00	00790	16300	50	05653	00003	7-	05556	20216
136	50	01941	05313				--	44309	16349	--	44309	18149
336	--	01862	12412	--	01752	16414						
350	10	02751	06212									
368	5-	05647	09327	00	05690	09300	00	05590	00000	5-	05626	07306
379	10	05651	10311	10	00751	12103	00	05690	00000			
390	50	01745	08213	00	01790	08213	5-	08418	10218	5-	08418	08128
382	00	00690	08100	10	00661	12102	00	05690	00000			
438	00	00690	08410							57	01654	04313
430				00	05690	14101	00	05690	04200	03	05690	00014
409	5-	05645	10215	13	05651	10213	00	05590	00000	04	09690	00047

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Sunday 4th. August, 1940.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th August, 1940.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light variable breezes; fine, local fog temporarily in early morning; warm.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Wind south to southwest, light to moderate; fine today, more cloud by tomorrow; warm.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Wind southwest, light to moderate; fair at first, cloud increasing, some rain or drizzle tomorrow; close.
13 { A. W. Scotld. / B. N.W. Scotland. } 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Wind southwest, fresh at times on the coast, veering towards west; becoming cloudy, occasional rain or drizzle this evening and tonight, probably brighter periods but with showers tomorrow; average temperature then cooler.
17 N. W. Ireland 18 N. E. Ireland	Wind southwest light to moderate; cloudy, occasional light rain or drizzle; rather close
19 S. E. Ireland 20 S. W. Ireland	As 1-6

GENERAL INFERENCE.

A large anticyclone covering England and a large part of Europe is slowly receding eastwards. A very deep depression over North Iceland will become almost stationary and a secondary west of the Hebrides will move quickly northeast. Weather will continue fine and warm over most of England, Wales and South Ireland, but a belt of rain and drizzle will affect northern areas of the British Isles.

FURTHER OUTLOOK.

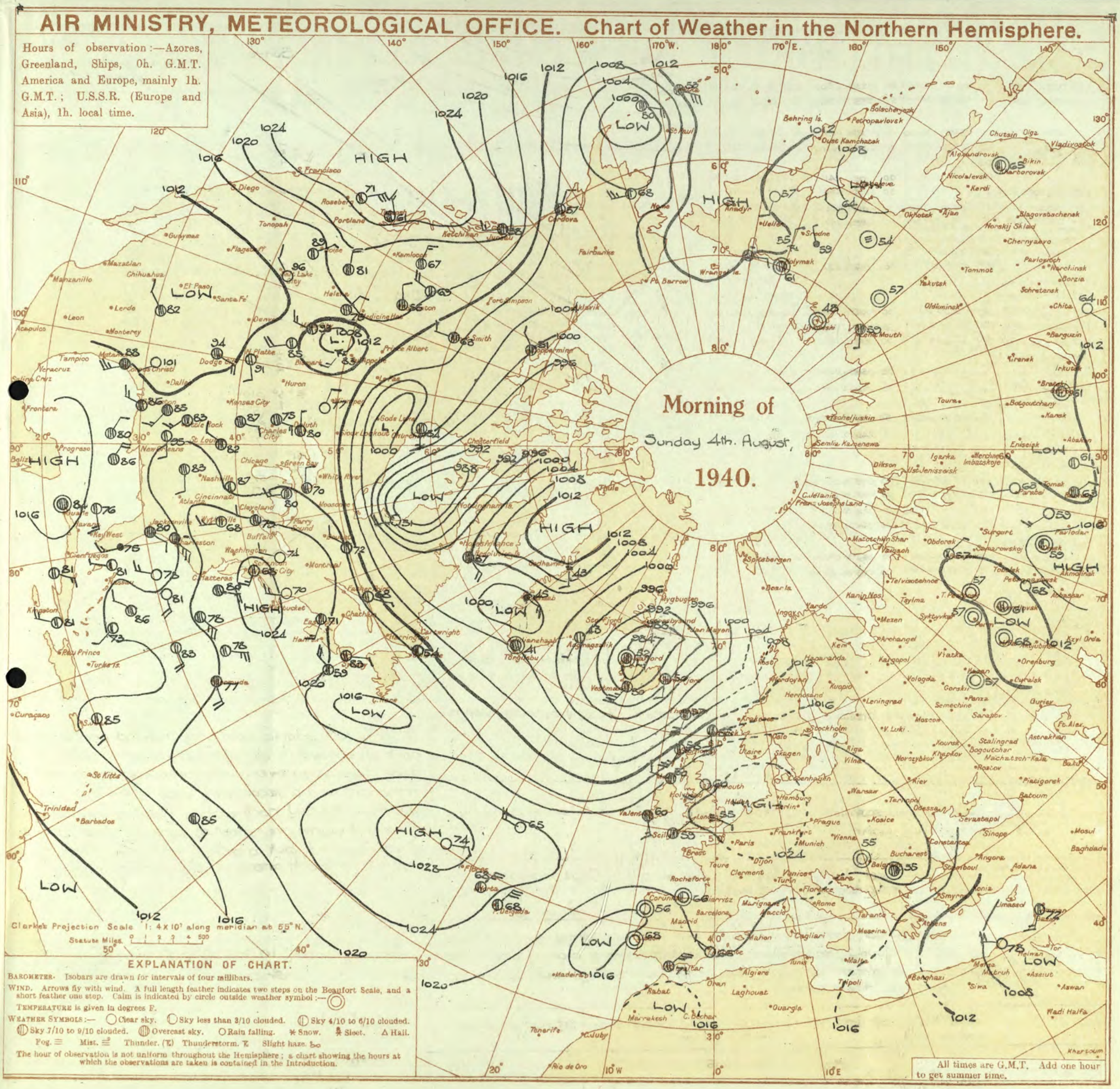
Continuing fair in the southern half of the British Isles, rather unsettled in the North.

Forecasts issued at 10.30 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 4th August 1940.

No 28745

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1024.0	-10	E'S	2	of	55	97	3	5	-	-	10	10	200
	S. Farnborough	226	1024.1	-2	-	0	[illegible]	52	92	2	-	-	-	0	0	-
	Boscombe Down	417	1023.6	-2	-	0	[illegible]	56	97	6	-	-	-	0	0	-
	Calshot (Sthmtn.)	8	1023.4	-6	NE	1	[illegible]	61	92	2	-	-	-	10	10	<150
	Lympne	346	1024.2	-10	NE'N	3	z_o	57	97	5	-	-	-	0	0	-
	Manston	154	1024.1	-10	ENE	1	z_o	59	97	5	5	-	-	10	10	100
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1024.5	-8	ENE	1	z_o	60	92	5	5	-	-	9	9	500
	Gorleston	5	1024.8	-4	ESE	1	o	59	85	6	5	-	-	10	10	800
	Mildenhall	19	1024.5	-6	SSE	1	z_o	57	92	6	5	-	-	10	10	600
	Cranwell	240	1024.7	-6	SW	2	z_o	54	97	6	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1024.2	-2	-	0	z_o	57	97	6	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1022.4	-4	W	1	b	59	97	7	-	-	-	0	0	-
	Bristol	209	1024.0	+2	-	0	m	59	97	4	-	-	-	0	0	-
	Portland Bill	32	1022.3	-8	ENE	3	bc	60	92	7	5	-	-	2-3	2-3	4000
	Plymouth	82	1022.6	-6	E'N	1	b	60	75	6	-	-	-	0	0	-
	The Lizard	240	1022.3	-8	ENE	4	bc	58	97	7	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1022.8	-2	ENE	1	o	59	97	5	5	-	-	10	10	800
	Guernsey	175														
6	Pembroke	142	1024.0	-2	N'E	1	z_o	58	97	5	-	-	-	0	0	-
7	Holyhead	26	1022.4	-6	SSW	3	b	58	92	6	-	-	-	0	0	-
	Chester (Sealand)	16	1022.8	-6	SSE	1	z_o	56	92	5	-	-	-	0	0	-
8	Manchester	70	1023.3	-2	E'S	1	m	57	92	4	-	-	-	0	0	-
10	Spurn Head	29	1024.6	+2	SE'S	3	b	57	92	8	-	-	-	0	0	-
	Catterick	175	1023.3	-6	SSW	1	z_o	54	97	6	-	-	-	0	0	-
	Tynemouth	108	1022.2	-6	WSW	3	b	60	88	6	-	-	-	0	0	-
11	St. Abbs Head	280	1020.4	-8	S	1	b	61	65	6	-	-	-	0	0	-
	Leuchars	36	1020.2	-6	WNW	2	z_o	54	85	5	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	1021.1	-6	-	0	fg	49	97	6	-	-	-	0	0	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1021.7	-6	-	0	b	56	92	7	-	-	-	0	0	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1017.2	-16	SSW	5	bc	58	92	6	5	-	-	4-6	4-6	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1017.5	-2	SW	1	b	56	85	6	-	-	-	0	0	<150
16	Lerwick	156	1016.6	-20	S	5	c	55	97	6	5	7	-	4-6	10	800
17	Blacksod Point	18	1019.9	-8	S	3	id_o	61	92	7	6	-	-	10	10	<150
18	Malin Head	84	1020.7	-6	NW	2	c	60	85	8	8	-	-	7-8	7-8	5700
	Aldergrove	268	1020.7	-4	S	1	b	56	85	7	-	-	-	0	0	-
19	Birr Castle	173	1022.3	-2	S	1	c	59	85	8	5	-	-	7-8	7-8	1500
20	Valentia Obsy.	30	1022.1	-10	S'E	3	z_o	60	92	6	5	-	-	9	9	1500
	Roches Point	22	1022.4	-4	S	1	bc	61	92	7	5	-	-	4-6	4-6	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1022.8	-4	ENE	2	z_o	61	85	5	5	3	-	7-8	9+	4000	0	*
Croydon	1022.9	-2	ENE	2	o/f	57	97	4	5	-	-	10	10	200	0	*
S. Farnborough	1022.9	-2	NE'N	1	F	55	97	1	5	-	-	10	10	200	0	*
Boscombe Down	1022.4	-6	ENE	1	b/f	55	97	5	-	-	-	0	0	-	0	*
Calshot (Sthmtn.)	1022.3	-2	N'E	1	z_o	58	92	6	5	-	-	9	9	700	0	0
Lympne	1022.8	-4	NE	3	f-	59	97	3	-	-	-	0	0	-	0	§2
Manston	1022.7	-2	NE'N	2	df	61	97	2	-	-	-	10	10	-	0	*
Shoeburyness	1023.4	-2	NE'N	2	o	61	92	6	5	-	-	10	10	800	0	*
Felixstowe	1023.6	-2	NE'N	1	z_o	60	97	6	5	-	-	9+	9+	400	0	0
Gorleston	1023.4	-2	-	0	o	59	97	5	5	-	-	10	10	900	0	1
Mildenhall	1023.3	-2	SSW	1	z_o	57	97	5	5	-	-	10	10	800	0	*
Cranwell	1023.6	-2	ESE	2	F-	54	97	1	-	-	-	10	10	<150	0	*
Birmingham	1022.3	-4	S	1	b	61	85	6	-	-	-	0	0	-	0	*
Upper Heyford	1023.7	-2	ESE	4	F-	52	97	1	-	-	-	10	10	-	1	*
Ross-on-Wye	1022.0	-4	-	0	F	55	97	1	-	-	-	10	10	<150	0	*
Hartland Point	1021.2	-4	-	0	if	58	97	4	-	-	-	0	0	-	0	1
Bristol	1022.7	-8	SE	1	z_o	59	97	6	-	-	1	0	Tr	-	0	*
Portland Bill	1021.6	-10	E	3	o	60	85	7	5	-	-	10	10	1500	0	3
Plymouth	1021.2	-6	-	0	z_o	61	85	5	5	-	-	Tr	Tr	200	0	1
The Lizard	1021.5	-6	E	2	c	60	97	6	5	-	-	10	10	1500	0	1
Scilly (St. Mary's)	1021.5	-6	N'W	1	c	59	97	6	5	-	-	9+	9+	1500	0	1
Guernsey																
Pembroke	1021.8	-6	NE	2	F	57	97	1	-	-	-	0	0	<150	0	1
Holyhead	1021.0	-8	S'W	3	c	60	92	6	5	-	-	10	10	700	0	2
Chester (Sealand)	1021.9	-2	-	0	m	58	92	4	5	-	-	9+	9+	5700	0	*
Manchester	1022.2	0	SSW	1	z_o	62	89	5	5	-	-	4-6	4-6	4500	0	*
Spurn Head	1023.2	0	SE'S	3	f	55	97	3	-	-	-	9	9	<150	0	2
Catterick	1022.0	-4	SW'S	1	f-	53	97	2	-	-	-	9	9	<150	0	*
Tynemouth	1021.1	-2	SW	2	z_o	57	45	5	5	-	-	2-3	2-3	2500	0	1
St. Abbs Head	1018.6	-8	SW	4	bc	59	85	7	5	4	-	2-3	2-3	1500	0	1
Leuchars	1019.0	-2	WSW	1	z_o	57	75	6	-	-	-	0	0	-	1	*
Renfrew (Abbots I.)	1019.9	-2	-	0	c	55	85	7	5	-	-	9+	9+	1800	0	*
Eskdalemuir	1020.5	-6	S'W	1	o	53	97	5	5	-	-	10	10	220	0	
Point of Ayre	1020.4	-4	WSW	2	bc	63	92	7	-	3	-	0	2-3	-	0	1
Tiree	1017.2	-2	SSW	3	c/d	59	92	7	5	-	-	7-8	7-8	2500	0	3
Stornoway	1015.2	-4	SW	5	c/pr	58	92	7	5	1	-	9	9+	1500	1	3
Dalwhinnie	1018.6	-2	SW	1	c	57	75	6	5	-	-	9+	9+	2500	1	*
Aberdeen	1017.6	-8	NNE	1	b	59	85	7	-	3	-	0	Tr	-	0	1
Wick	1016.2	+4	W	1	bc	59	85	6	5	6	-	2-3	4-6	1500	0	1
Lerwick	1015.2	0	SW'W	4	c	58	92	6	5	7	-	4-6	7-8	800	0	*
Blacksod Point	1018.2	-6	S	3	c	62	85	7	5	-	-	10	10	<150	0	3
Malin Head	1018.7	-6	S	2	c	60	85	8	5	6	-	2-3	7-8	5700	0	0
Aldergrove	1025.1	+2	SSW	1	z_o	58	92	5	5	-	-	2-3	2-3	4500	0	*
Birr Castle	1021.0	0	S	1	c	58	85	8	5	-	-	9+	9+	2500	0	*
Valentia Obsy.	1020.6	-4	SW	2	z_o	62	97	6	5	-	-	10	10	800	0	1
Roches Point	1020.7	-4	S	1	c	62	92	7	5	-	5	4-6	7-8	2500	0	1

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 3rd Hrs. (36)
London (Kew)	74	57	47	-	-	9.0
Croydon	73	53	43	-	-	7.9
S. Farnborough	76	50	42	-	-	8.3
Boscombe Down	76	50	48	-	Tr	8.5
Calshot (Sthmtn.)	71	55	53	-	-	9.2
Lympne	68	55	51	-	0.1	8.3
Manston	66	58	55	-	Tr	6.0
Shoeburyness	65	59	55	-	-	6.9
Felixstowe	66	58	57	-	-	5.9
Gorleston	62	58	57	-	-	0.3
Mildenhall	76	54	47	-	-	11.3
Cranwell	71	51	46	-	Tr	10.8
Birmingham	73	55	46	-	-	8.6
Upper Heyford	75	50	42	-	-	*
Ross-on-Wye	73	53	48	-	-	6.5
Hartland Point	76	55	51	-	-	11.9
Bristol	74	51	42	-	-	6.1
Portland Bill	62	58	*	-	-	*
Plymouth	67	56	46	-	-	6.5
The Lizard	62	57	*	-	-	0.0
Scilly (St. Mary's)	63	58	*	-	-	0.0
Guernsey						
Pembroke	67	56	*	-	-	11.7
Holyhead	69	57	54	-	-	14.1
Chester (Sealand)	74	54	49	-	-	12.7
Manchester	76	55	46	-	-	10.1
Spurn Head	62	54	*	-	-	8.4
Catterick	72	50	50	-	-	10.8
Tynemouth	60	54	51	-	-	*
St. Abbs Head	73	57	*	-	-	*
Leuchars	75	51	43	-	-	10.6
Renfrew (Abbots I.)	80	48	41	-	-	11.4
Eskdalemuir	76	42	35	-	-	13.6
Point of Ayre	72	54	*	-	-	14.0
Tiree	71	57	*	-	Tr	13.2
Stornoway	70	57	*	-	Tr	13.5
Dalwhinnie	77	50	39	-	-	12.8
Aberdeen	67	47	39	-	-	12.4
Wick	62	53	*	Tr	-	*
Lerwick	57	54	*	-	-	0.0
Blacksod Point	76	59	*	-	0.1	*
Malin Head	73	55	*	-	-	13.1
Aldergrove	78	53	51	-	-	12.1
Birr Castle	77	55	52	-	-	11.4
Valentia Obsy.	70	59	53	-	Tr	9.9
Roches Point	69	60	*	-	-	*

LONDON OBSERVATIONS

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	‡ Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew	18	cm_o bcbz_o	bz_o bybc	bcbm_ow	74	57	47	-	-	9.0	*	*	5
Croydon	217	cm_o bc	b	bcbwfm	73	53	43	-	-	7.9	*	*	6
Greenwich (Royal Observatory)	149	cbc	bcb	bcm	72	57	49	-	-	7.3	66	86	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	73	59	56	—		-	71	90	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*									*
Camden Square	110	c	b	*	78	58	53	-	-	*	*	82	*
Kensington	80	bc	bc	*	76	58	53	-	-		77	83	*
Hampstead Observatory	450	obc	bc	b	72	56	51	-	-		*	87	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 4th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.
0.1	13-14h 3rd.	<0.1	16-24h 3rd

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 3rd August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 4th August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris														
Brussels														
Berlin														
Zürich														
Rome											*	*		

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 16.

The barometric tendency is expressed in tenths of a millibar.

COLUMNS 4, 18.

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.

Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1½ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6¼ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30 — Code for State of Sea.

0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Preciptious.
4 Rough. 9 Confused.

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

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

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

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

SECRET

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 5th August 1940.

No. 28746

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1020·7	−14	S	1	zo	75	55	6	8	–	–	7-8	7-8	4000
	Croydon	1020·7	−18	SSE	2	bc	75	65	6	2	3	–	4-6	4-6	3500
	S. Farnborough	1020·3	−20	SE'S	2	bc	76	45	7	7	–	–	4-6	4-6	4000
	Boscombe Down	1020·1	−14	S	2	bc	77	45	7	1	–	–	4-6	4-6	3500
	Calshot (Soton.)	1021·1	−10	SE'E	3	zo	67	85	6	1	–	1	Tr	1	3500
	Lympne	1021·3	−8	SE'S	1	bc	71	75	7	2	–	–	2-3	2-3	1800
	Manston	1021·4	−10	NE'N	3	zo	65	75	6	5	–	–	1	1	500
2	Shoeburyness	1022·0	−8	E'S	3	c	65	85	6	–	1	–	0	10	–
	Felixstowe	1022·3	−6	ESE	2	bjf	67	85	6	2	–	–	1	1	2000
	Gorleston	1022·1	−6	NE'E	2	f	62	92	3	–	–	–	10	10	<150
	Mildenhall	1020·3	−18	W	1	bc	77	55	8	1	–	–	2-3	2-3	3000
	Cranwell	1021·0	−18	S	2	bc	75	55	8	2	–	–	4-6	4-6	3500
3	Birmingham	1019·7	−10	SE	2	bc	75	35	8	1	–	5	1	2-3	4000
	Upper Heyford	1021·0	−18	S	2	bc	78	45	7	1	–	–	2-3	2-3	4000
4	Ross-on-Wye	1019·8	−12	S	2	bc	76	55	8	1	–	1	1	2-3	4000
5	Hartland Point	1020·5	−6	W	2	if	63	92	7	–	6	–	2-3	2-3	4000
	Bristol	1020·3	−14	S	2	c	77	55	8	1	–	1	4-6	7-8	3500
	Portland Bill	1021·3	−10	ESE	3	o	62	92	6	5	–	–	10	10	1500
	Plymouth	1020·7	−2	S'W	3	zo	65	85	6	5	3	–	4-6	9+	200
	The Lizard	1021·6	+4	E'N	2	m	63	85	4	5	–	–	10	10	1000
	Scilly (St. Mary's)	1021·7	+4	NW	1	c	66	85	6	8	–	–	9+	9+	1500
	Guernsey														
6	Pembroke	1020·7	−4	–	0	bc	65	92	6	7	–	–	2-3	2-3	2500
7	Holyhead	1020·2	−10	SW'S	3	bc	67	75	7	1	3	–	Tr	2-3	3000
	Chester (Sealand)	1019·9	−10	W'N	3	zo	70	75	6	5	–	–	9+	9+	7200
8	Manchester	1020·0	−16	WSW	2	zo	77	55	6	8	–	–	4-6	4-6	3500
10	Spurn Head	1021·4	−6	ESE	4	b	64	85	6	2	–	–	1	1	5700
	Catterick	1019·6	−18	–	0	zo	73	65	6	8	3	–	4-6	9	3000
	Tynemouth	1019·7	−8	SW	3	zo	73	55	6	8	–	–	9	9	2800
11	St. Abbs Head	1018·5	−6	NW	1	c	63	65	7	8	6	–	4-6	9	1500
	Leuchars	1017·6	−10	WSW	4	c	72	55	7	2	–	–	7-8	7-8	1500
12	Renfrew (Abbots I.)	1018·6	−6	SW'W	3	c	68	65	7	8	–	6	1	9	3000
	Eskdalemuir	1018·3	−8	SSW	3	c	65	75	6	8	–	–	7-8	7-8	2500
	Point of Ayre	1020·3	−2	NNW	2	c	64	85	8	5	1	–	7-8	10	2500
13A	Tiree	1017·3	0	SW	4	rr	60	97	6	–	2	–	10	10	1500
13B	Stornoway	1015·9	0	WNW	4	s/r	59	85	7	5	2	–	7-8	9+	2500
15	Dalwhinnie	1017·0	0	SSW	1	c	62	65	6	5	5	–	9	10	2500
	Aberdeen	1015·9	−12	SSW	3	bc	71	65	7	1	3	–	2-3	2-3	4000
	Wick	1015·1	−6	SSW	3	c	65	75	7	5	7	8	4-6	9	1500
16	Lerwick	1014·2	−4	WSW	6	c	61	85	7	5	7	–	4-6	7-8	1500
17	Blacksod Point	1019·1	+2	N'W	2	dr	57	97	7	6	–	–	10	10	<150
18	Malin Head	1018·1	−6	W	2	c/pr	62	85	8	9	–	–	9	9	4000
	Aldergrove	1018·8	−10	WSW	3	c	70	55	7	5	7	6	2-3	9+	2500
19	Birr Castle	1020·0	−6	SW	1	c	67	65	8	5	1	–	7-8	10	2500
20	Valentia Obsy. †	1020·5	−2	SSW	3	o/d	63	85	7	5	–	–	10	10	1500
	Roches Point	1020·5	−8	SW	2	c	66	85	7	8	–	–	7-8	9	1500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	°Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1018·8	−8	SSW	2	bc	79	45	7	8	–	–	2-3	2-3	4000	0	*
	Croydon	1019·3	−8	S	1	bc	77	55	8	7	–	–	4-6	4-6	4000	0	*
	S. Farnborough	1018·9	−6	SSW	3	bc	75	55	8	7	6	–	2-3	2-3	3500	0	*
	Boscombe Down	1019·2	−4	S	3	zo	72	55	7	–	–	–	0	0	–	0	*
	Calshot (Soton.)	1019·6	−10	SW	2	zo	72	75	7	–	–	1	0	Tr	–	0	1
	Lympne	1020·1	−4	SE'E	1	b	70	65	8	–	6	1	0	Tr	–	0	§
	Manston	1020·1	−4	–	0	bjf	69	75	6	–	3	–	0	Tr	–	0	*
2	Shoeburyness	1020·3	−6	E	2	m	63	92	4	1	7	–	2-3	7-8	4000	0	*
	Felixstowe	1020·4	−4	E	1	f	62	97	3	5	–	–	10	10	<150	0	1
	Gorleston	1019·4	−12	SE'E	2	f	60	97	2	–	–	–	10	10	<150	0	1
	Mildenhall	1018·9	−10	SE	1	bc	77	65	7	4	–	–	2-3	2-3	4000	0	*
	Cranwell	1019·2	−4	S	2	b	75	45	8	–	–	–	0	0	–	0	*
3	Birmingham	1018·7	−6	SW	2	bc	75	45	8	7	–	1	2-3	2-3	4000	0	*
	Upper Heyford	1019·1	−8	SSE	2	bc	76	55	7	7	–	1	4-6	4-6	3200	0	*
4	Ross-on-Wye	1018·9	−6	WSW	2	bc	75	55	6	1	–	1	1	2-3	4000	0	*
5	Hartland Point	1019·8	−6	W	2	bc	66	85	7	–	4	–	2-3	2-3	7200	0	1
	Bristol	1018·9	−6	SW	2	bc	76	55	8	2	6	1	2-3	4-6	3500	0	*
	Portland Bill	1020·0	−4	E	2	f	59	92	2	5	–	–	10	10	<150	1	3
	Plymouth	1020·2	−6	SSW	2	f+	60	97	3	–	–	–	10	10	<150	0	1
	The Lizard	1020·8	−4	W	2	c	61	92	6	5	2	–	9	10	1900	0	2
	Scilly (St. Mary's)	1021·1	−6	NNW	2	c	64	85	6	8	7	–	7-8	9+	1500	0	1
	Guernsey																
6	Pembroke	1020·2	−4	W'N	3	zo	62	97	6	1	7	–	7-8	9+	2500	0	1
7	Holyhead	1019·0	−2	SW	3	c	63	85	6	5	7	–	7-8	9+	3500	0	2
	Chester (Sealand)	1019·2	−2	WNW	3	zo	65	75	6	5	–	–	9+	9+	3500	0	*
8	Manchester	1018·5	−2	NW'W	2	zo	68	75	6	5	–	–	9	9	4500	0	*
10	Spurn Head	1019·3	−6	ESE	4	f	58	97	2	–	–	–	10	10	<150	0	2
	Catterick	1018·4	−6	NW	1	c	72	65	7	8	–	–	9	9	3000	0	*
	Tynemouth	1019·1	−2	SE	3	c	65	75	6	8	–	–	7-8	7-8	2500	0	1
11	St. Abbs Head	1017·2	+2	SW	3	bc	70	65	8	5	4	–	4-6	4-6	2500	0	2
	Leuchars	1016·9	−2	W	2	b	70	55	7	1	–	1	Tr	1	3500	0	*
12	Renfrew (Abbots I.)	1018·1	−2	WSW	3	c	65	75	7	8	7	–	7-8	9+	2800	0	*
	Eskdalemuir	1017·9	−4	SW'S	3	bc	64	75	6	8	6	–	1	2-3	4000	0	*
	Point of Ayre	1018·9	−6	WNW	2	b	65	85	7	1	–	–	1	1	2500	0	1
13A	Tiree	1017·4	0	NW'N	1	c	57	85	7	5	–	–	9+	9+	1500	1	2
13B	Stornoway	1016·4	+4	W	4	c	59	65	8	5	7	4	4-6	9	2500	1	2
15	Dalwhinnie	1017·0	0	SSW	2	c	59	75	7	5	1	–	7-8	10	1500	0	*
	Aberdeen	1016·0	+2	WSW	3	b	71	55	7	1	3	–	Tr	1	4000	0	1
	Wick	1016·1	+6	NNW	4		56	82	7	5	6	8	7-8	9+	800	1	1
16	Lerwick	1014·9	+4	WSW	5	s/r	55	87	8	8	7	–	7-8	9	800	1	*
17	Blacksod Point	1019·9	+6	N'W	3	bc	61	75	8	2	–	–	2-3	2-3	1500	0	3
18	Malin Head	1018·5	+6	N	1	ro	55	97	6	6	–	–	9+	9+	800	0	2
	Aldergrove	1018·4	−2	W	1	ro	65	75	7	5	–	–	10	10	4000	0	*
19	Birr Castle	1019·4	−2	SW	1	c	65	75	8	5	1	–	7-8	10	1500	0	*
20	Valentia Obsy. †	1020·2	0	SW'W	2	zo	61	97	6	5	–	–	10	10	450	0	1
	Roches Point	1019·9	−2	NW'W	3	c	65	85	8	5	4	–	7-8	7-8	2500	0	2

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 4th (37)	13h.—18h. 4th (38)	18h.—1h. 4th to 5th (39)	1h.—7h. 5th (40)
1	London (Kew)	cbczczy	czoybcy	bcybw	bmw
	Croydon	omobzo	bc	bmw	bmwbcbmo
	S. Farnborough	bcmobbc	bcy	bybmw	bwcmb
	Boscombe Down	bzo	bcbzy	bm	bmjFc
	Calshot (Soton.)	bcmobzo	bmo	bmoff	offbmo
	Lympne	bfmo	b	bw	bwb
	Manston	idfbmo	bzojf	bjfbf	bjfbmo
2	Shoeburyness	ocbccmo	bcmo	cmbmw,bw	bmw
	Felixstowe	cmobzojf	bzo,off	off FF	oFFbmw
	Gorleston	czo off	off	offcbcm	bmz
	Mildenhall	omowbccy	bccbcy	bbcm	bccmw
	Cranwell	F,b,bcy	bcby	bybmw	bbcmcm
3	Birmingham	b	b	bc	bccm
	Upper Heyford	offcmobcz	bc	bc	bcmcm
4	Ross-on-Wye	Fbf bzob	bcy by	bccbmo	bccmo
5	Hartland Point	bif bc	ifbc	bccbc	bbcc
	Bristol	bc	bccbcy	cbcb,cmo	bcmcmw
	Portland Bill	ozo	off	off	offc
	Plymouth	bzo,cmo	cmofcmf	fcmobm	bmwcmo
	The Lizard	om	m o	ocbcw	c
	Scilly (St. Mary's)	cbcc	c	cbccw	cwoid
	Guernsey				
6	Pembroke	cifmo	bcmoc	bcbmo	cmo
7	Holyhead	cmobc	bcmoc	cbcmc	jfrro
	Chester (Sealand)	cmowzo	czo	cbmf	bfmcmo
8	Manchester	bcyzo	bczoyczo	cmbcmo	bmcfcm
10	Spurn Head	bbc	f	Fifb	fbcw
	Catterick	ofbcmo	czoc	cmobczo	zmwcmo
	Tynemouth	bcc	c	c	c
11	St. Abbs Head	bcc	cbc	b	eir
	Leuchars	bmw,bbc	bccbcy	cmir	cmRddc
12	Renfrew (Abbots I.)	cmobcz	cbcc	cmrrr	cmrdc
	Eskdalemuir	owczo	bczo	bcfg	bcfgedo
	Point of Ayre	c	bcc	ccw	cdd
13A	Tiree	codr	odoc	bcc	c
13B	Stornoway	cprrr	c	c	cpr
15	Dalwhinnie	bcc	c	*	cir
	Aberdeen	bybc	bcb	bycz	ccrr
	Wick	bcczo	dopr	drc	c
16	Lerwick	bcc	cpro	c	cpr
17	Blacksod Point	dr	cbc	c	c
18	Malin Head	c	cjpcrrc	c	c
	Aldergrove	bcmc,y	cycir	irddmo	cmcbc
19	Birr Castle	c	c	cid	idbc
20	Valentia Obsy. †	cmocidc	cidomo	omiridcc	
	Roches Point	c	c	c	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29—STATE OF GROUND.

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

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

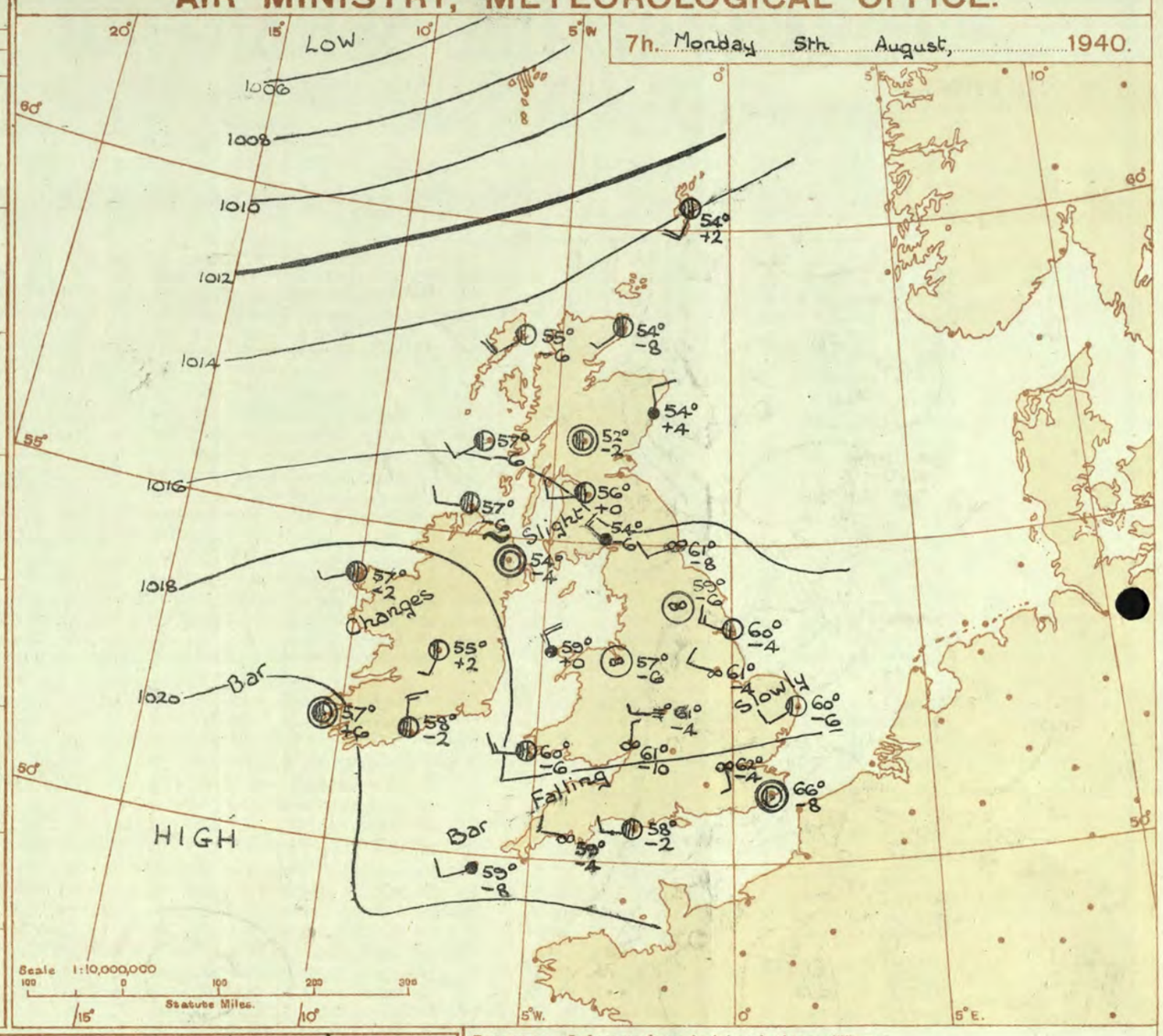
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday 5th August, 1940.

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 4th August			18h. G.M.T.			01h. G.M.T. 5th August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	57	03665	23417	57	03545	00067	51	01861	20113	53	02756	17118
115	--	37109	24369	51	03754	20455	51	01863	20424	52	62954	20427
203												
206	53	02965	24326	52	61355	24168	5-	08647	22157	51	02855	25228
210	7-	01864	35515	51	02855	24428	5-	22538	00068			
220	52	03844	23128							52	02843	22328
230	52	02754	20228	52	58525	30268	50	01843	26363	5-	02957	20127
245	20	03664	13414	10	00761	24412	5-	05667	00027	62	64605	04268
260	8-	01865	20215	20	00863	20213	5-	05668	20128	57	02754	20165
277	7-	02765	18315	5-	02864	16328	62	52645	28328	57	01832	28355
279												
285										5-	05647	28327
288	83	03654	18314	8-	03667	14227	5-	08453	00023	57	08675	22117
273										43	05654	14108
301	03	03690	26314	50	05666	30226	50	41461	00041	57	05654	23248
321	80	02754	14214	00	01790	15313	00	00690	20100	55	05564	31117
299	50	03543	18343	00	00780	14300	5-	42435	20345	57	05653	26214
292	57	03654	00048	03	05690	12318	00	05590	00010	03	06690	26116
310										--	02628	26328
316	10	05654	14314	10	01861	16113	00	00690	00000	05	08490	00046
333	23	17753	22425	07	02790	22325	50	05654	00014	52	05657	22228
334											05674	04127
340	20	01764	18214	50	01774	22214	00	08490	00010	57	05664	18117
136	10	01751	20211	04	05630	05201	00	05690	10200	05	05690	20114
336											03742	28418
350										03	03590	22214
368	00	05690	03101	20	01762	24303	50	05662	24212	03	05690	28128
379	10	01753	14303	20	01754	20114	00	05690	24100	53	42453	26246
390	10	05654	14214	40	05661	16211	00	08490	26100			
382	10	01753	12113	23	01764	16114	40	05661	00011	--	48409	24149
438	5-	04604	08344							50	04634	26415
430	00	05653	10213	00	05690	16100	00	47290	28100	--	48109	00049
409	5-	05658	26318	5-	05648	26228	50	08441	00002	5-	08668	19148

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



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 5th August
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light southwest wind, veering northwest tonight, backing west to-morrow. Fair at first, occasional rain and local thunder, evening and night, becoming fair again to-morrow. Local morning fog. Warm to-day, somewhat cooler to-morrow.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Light or moderate northwest wind, backing west or southwest. Rain at first, becoming mainly fair. Local early morning fog. Cooler than of late.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Light or moderate west to southwest wind. Fair at first, chance of rain to-morrow. Cooler than of late.
13 A. W. Scotld. B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands 17 N. W. Ireland	Moderate southwest wind Cloudy, occasional rain or showers. Average temperature.
18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As nos 11-12.

GENERAL INFERENCE.

A shallow trough of low pressure is crossing the British Isles and a depression is advancing on the Atlantic. Weather is becoming generally unsettled.

FURTHER OUTLOOK.

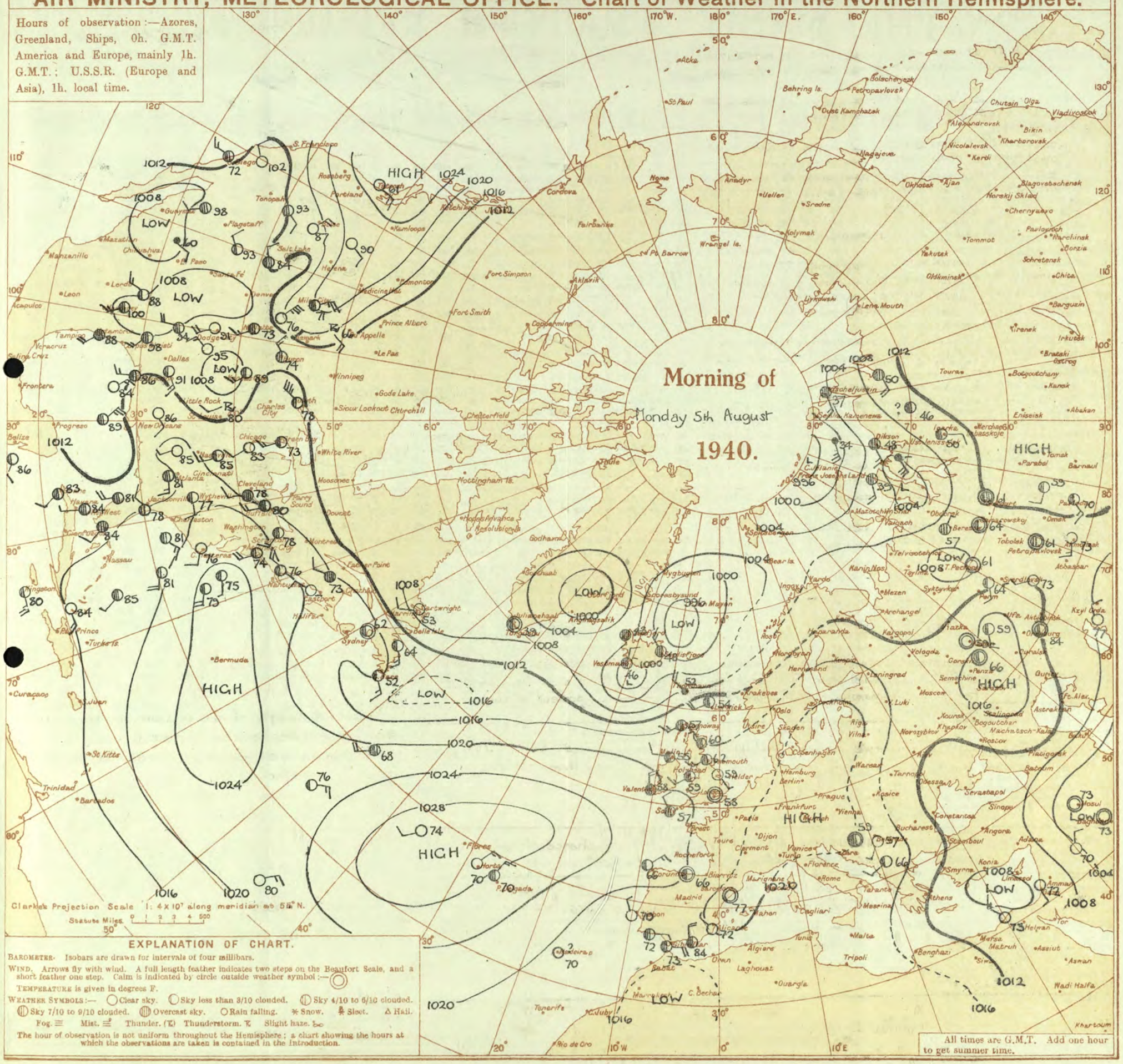
Unsettled, especially in the North.

Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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



Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 5th August 1940.

No 28746

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Med. (10)	High (11)	Amount Low 0–10 (12)	Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1019·4	-2	–	0	z₀	58	92	6	–	–	1	0	1	–
	S. Farnborough	226	1019·1	-4	–	0	fg	55	92	5	–	–	–	0	0	–
	Boscombe Down	417	1019·2	-2	–	0	bjf	58	97	5	–	–	–	0	0	–
	Calshot (Sthmtn.)	8	1019·5	-2	W'S	1	F+	59	97	1	–	–	–	10	10	<150
	Lympne	346	1020·0	-2	NW'W	1	b	59	85	7	–	–	–	0	0	–
	Manston	154	1019·4	-6	W	1	bjf	57	92	5	–	–	–	0	0	–
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1019·2	-6	–	0	F	59	97	1	–	–	–	10	10	<150
	Gorleston	5	1019·0	-2	SW'S	1	m/f	58	97	4	5	–	–	4-6	4-6	800
	Mildenhall	19	1018·4	-6	SSE	2	z₀	59	97	6	5	–	–	4-6	4-6	7000
	Cranwell	240	1018·1	-8	S	1	z₀	58	92	5	–	–	–	0	0	–
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1019·0	-2	SSW	1	z₀	61	92	6	5	–	–	7-8	7-8	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1019·8	-4	W	1	b	61	97	7	–	–	–	0	0	–
	Bristol	209	1019·2	-4	WSW	2	z₀	61	97	5	5	–	–	9+	9+	4000
	Portland Bill	32	1019·1	-8	E	1	f	57	92	2	5	–	–	10	10	<150
	Plymouth	82	1019·7	-6	–	0	z₀	62	92	6	–	–	–	0	0	–
	The Lizard	240	1020·9	0	NW	2	bc	56	97	5	4	–	–	4-6	4-6	1500
	Scilly (St. Mary's)	163	1021·3	+2	WNW	2	c	57	97	6	5	–	–	7-8	7-8	2500
	Guernsey	175														
6	Pembroke	142	1020·0	-2	W'S	3	b	60	97	6	–	–	–	0	0	–
7	Holyhead	26	1018·2	-8	SSW	3	c	59	92	6	5	–	–	10	10	3000
	Chester (Sealand)	16	1018·7	-8	–	0	bf+	53	97	3	–	–	–	0	0	–
8	Manchester	70	1018·8	-2	W	1	z₀	55	97	5	–	–	–	0	0	–
10	Spurn Head	29	1018·6	-10	SE	1	b	59	97	6	–	–	–	0	0	–
	Catterick	175	1018·1	-2	–	0	z₀	62	75	6	5	–	–	2-3	2-3	4800
	Tynemouth	108	1018·3	-8	WSW	3	c	62	85	6	2	–	–	7-8	7-8	2500
11	St. Abbs Head	280	1016·7	-4	W	2	b	58	85	6	–	–	–	0	0	–
	Leuchars	36	1016·1	-8	WNW	1	ir₀	61	85	6	5	2	–	4-6	10	3200
12	Renfrew (Abbots I.)	19	1017·0	-6	W	3	d₀d₀	59	97	6	5	2	–	9	10	1200
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1018·0	-4	S'E	2	c	59	97	7	5	1	–	4-6	10	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1015·7	-4	SW	3	c	65	85	7	5	7	–	7-8	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1016·2	0	SSW	2	c	53	97	7	5	2	–	7-8	10	800
16	Lerwick	156	1014·8	-4	SW'W	4	c	54	97	7	5	7	–	7-8	9	800
17	Blacksod Point	18	1019·8	-4	–	0	c	56	85	8	5	–	–	9+	9+	2500
18	Malin Head	84	1018·8	-6	W	2	c	55	75	6	4	7	–	2-3	9	4000
	Aldergrove	268	1018·4	0	N'W	2	s/d	53	97	6	5	–	–	7-8	7-8	1200
19	Birr Castle	173	1020·2	+4	SW	1	s/d	57	92	7	5	–	–	10	10	2500
20	Valentia Obsy.	30	1020·9	+2	N	3	c	58	85	8	5	–	–	10	10	1500
	Roches Point	22	1019·6	-6	NW'W	3	c	59	85	8	5	–	–	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Med. (24)	High (25)	Amount Low 0–10 (26)	Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1017·5	-6	SW	1	z₀	62	85	6	–	4	5	0	2-3	–	0	*
Croydon	1018·4	-4	S'E	1	z₀	62	85	6	–	4	–	0	2-3	–	0	*
S. Farnborough	1017·7	-10	WSW	1	z₀	60	92	6	5	3	1	Tr	2-3	5700	0	*
Boscombe Down	1018·2	-4	–	0	m/f	57	97	4	–	3	–	0	2-3	–	0	*
Calshot (Sthmtn.)	1018·2	-8	WSW	1	z₀	60	92	6	–	3	–	0	2-3	–	0	§ 0
Lympne	1018·3	-8	–	0	b	66	75	7	–	3	–	0	1	–	0	0
Manston	1017·7	-10	WSW	1	z₀	64	75	6	–	–	–	0	0	–	0	*
Shoeburyness	1017·7	-6	SW'W	1	b	63	85	5	–	–	9	0	1	–	0	*
Felixstowe	1017·9	-2	SW'W	2	z₀	62	97	6	–	7	–	0	2-3	–	1	0
Gorleston	1016·8	-6	SW	2	bc	60	92	6	5	–	–	2-3	2-3	2500	0	1
Mildenhall	1016·5	-6	WSW	2	z₀	64	85	6	–	7	–	0	9	–	0	*
Cranwell	1017·1	-4	WNW	2	z₀	61	85	5	–	5	9	0	7-8	–	0	*
Birmingham	1017·8	-4	W	1	m	61	85	4	5	–	–	10	10	2500	0	*
Upper Heyford	1018·3	-2	–	0	z₀	58	97	5	–	3	4	0	9	–	0	*
Ross-on-Wye	1017·6	-10	N	1	z₀	61	92	6	5	1	–	9+	10	1500	0	*
Hartland Point	1018·4	-6	WNW	2	c	61	92	8	5	7	–	4-6	9+	2500	0	1
Bristol	1018·0	-8	W	3	z₀	62	85	6	–	7	–	0	9+	–	0	*
Portland Bill	1018·8	-2	W	2	c	58	92	6	5	2	–	7-8	10	2500	1	2
Plymouth	1019·2	-4	W'N	2	z₀	59	97	5	5	1	–	2-3	10	4500	0	1
The Lizard	1020·3	-6	NW	2	c	58	97	5	5	2	–	9	10	1500	0	1
Scilly (St. Mary's)	1019·8	-8	WSW	2	id₀	59	97	6	5	–	–	10	10	1500	0	1
Guernsey																
Pembroke	1017·9	-6	W	3	c	60	97	6	8	–	–	9+	9+	1500	0	1
Holyhead	1017·4	0	NW'N	4	rr	59	97	6	–	2	–	10	10	200	1	2
Chester (Sealand)	1017·2	-6	–	0	z₀	57	92	5	5	3	–	4-6	9+	5700	0	*
Manchester	1017·5	-6	–	0	m/f	58	97	4	5	7	–	9	10	4200	0	
Spurn Head	1016·1	-4	WNW	3	bc	60	97	5	–	–	1	0	2-3	–	1	1
Catterick	1016·8	-6	–	0	z₀	59	85	6	5	7	6	2-3	9+	7200	0	*
Tynemouth	1017·0	-8	WSW	2	z₀	61	85	5	5	–	–	9+	9+	4000	0	0
St. Abbs Head	1015·1	-6	WSW	3	ir₀	59	85	7	5	2	–	7-8	10	1500	1	2
Leuchars	1014·8	-2	WNW	1	s/r	58	85	7	5	2	–	9+	10	1200	1	*
Renfrew (Abbots I.)	1016·7	0	W'S	2	c	56	85	8	5	3	–	1	7-8	3500	1	*
Eskdalemuir	1015·8	-6	NW'W	3	id₀	54	92	6	5	–	–	10	10	800	1	
Point of Ayre	1017·4	+2	N'W	3	s/d	55	97	7	5	1	–	7-8	9+	1500	1	2
Tiree	1015·9	-6	SW'W	2	c	57	85	8	5	–	–	9	9	1500	0	2
Stornoway	1014·7	-6	SW	4	s/pr	55	97	7	5	2	–	7-8	10	2500	1	2
Dalwhinnie	1014·6	-2	–	0	c	52	85	8	4	5	–	2-3	9	2500	1	*
Aberdeen	1015·5	+4	N'W	2	rr	54	97	5	6	–	–	10	10	800	1	1
Wick	1014·7	-8	SW	1	c	54	92	8	5	5	8	4-6	9	2500	1	1
Lerwick	1014·7	+2	SSW	4	c	54	97	7	8	7	–	7-8	10	800	1	*
Blacksod Point	1018·7	-2	WSW	1	c	57	85	8	5	–	–	10	10	4000	0	2
Malin Head	1017·3	-6	W	2	c	57	75	8	6	7	–	4-6	9	4000	1	4
Aldergrove	1017·7	-4	–	0	bc	54	92	8	5	3	–	1	2-3	3000	1	*
Birr Castle	1019·9	+2	SSW	1	c	55	85	8	–	3	–	0	2-3	–	0	*
Valentia Obsy.	1020·1	+6	–	0	c	57	92	8	7	7	–	2-3	9	4000	0	3
Roches Point	1018·7	-2	N'W	3	c	58	85	8	5	–	–	9+	9+	2500	0	1

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Night 18h–7h mm. (35)	Sunshine 4th Hrs. (36)
London (Kew)	73	57	46	–	–	9·1
Croydon	73	56	48	–	–	6·6
S. Farnborough	80	51	45	–	–	7·8
Boscombe Down	73	53	47	–	Tr	11·4
Calshot (Sthmtn.)	72	55	53	–	–	11·8
Lympne	74	57	46	–	–	11·7
Manston	72	56	45	Tr	–	9·3
Shoeburyness	67	52	48	–	–	5·0
Felixstowe	69	58	56	–	–	6·1
Gorleston	64	56	53	–	–	*
Mildenhall	73	59	53	–	Tr	8·4
Cranwell	78	57	50	–	–	9·9
Birmingham	78	58	49	–	–	13·2
Upper Heyford	80	56	47	–	–	*
Ross-on-Wye	78	58	52	–	–	10·9
Hartland Point	68	59	54	–	–	10·8
Bristol	73	60	52	–	–	12·2
Portland Bill	62	56	*	–	–	*
Plymouth	72	58	53	–	–	6·4
The Lizard	63	55	*	–	–	0·0
Scilly (St. Mary's)	70	56	*	–	Tr	2·9
Guernsey						
Pembroke	66	59	*	–	–	6·7
Holyhead	68	57	55	–	0·4	
Chester (Sealand)	73	53	47	–	–	1·7
Manchester	73	50	45	–	–	5·8
Spurn Head	67	56	*		Tr	7·4
Catterick	76	53	47	–	–	3·0
Tynemouth	77	58	54	–	–	
St. Abbs Head	73	57	*	–	Tr	*
Leuchars	74	57	55	–	2	12·4
Renfrew (Abbots I.)	71	53	51	–	3	4·1
Eskdalemuir	68	53	49	–	5	4·8
Point of Ayre	69	54	*	–	0·2	4·6
Tiree	61	50	*	2	–	0·5
Stornoway	63	54	*	0·1	0·1	4·1
Dalwhinnie	67	49	48	–	1	3·2
Aberdeen	73	54	49	–	5	13·5
Wick	67	52	*	Tr	1	*
Lerwick	63	52	*	0·4	Tr	5·6
Blacksod Point	62	52	*	3	–	*
Malin Head	65	50	*	3	1	1·1
Aldergrove	72	51	48	Tr	2	2·1
Birr Castle	70	52	48	–	0·2	0·6
Valentia Obsy.	64	55	50	0·6	0·4	0·2
Roches Point	68	57	*	–	–	*

LONDON OBSERVATIONS

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Afternoon	Night	Temperature Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	cbcz₀cz₀y	cz₀fbcy	bcybw	73	57	46	–	–	9·1	*	*	6
Croydon	217	bm₀bz₀	bc	bm,w	73	56	48	–	–	6·6	*	*	6
Greenwich (Royal Observatory)	149	cbz₀	bcz₀y	cbbc	73	55	44	–	–	6·3	56	65	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	*	*	*	*
Westminster (St. James' Park)	27	*	*	*	73	58	54	–	–	6·3	62	79	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*									*
Camden Square	110	bc	bc	*	80	60	49	–	–	*	*	70	*
Kensington	80	bc	bc	*	81	58	51	–	–		56	72	*
Hampstead Observatory	450	bc	bc	bc	77	56	53	–	–		*	80	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 5th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.
0·1	10–11h. 4th.	<0·1	rest of period

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 4th August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 5th August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Night mm.
Paris														
Brussels														
Berlin														
Zürich														
Rome											*	*		

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

Code		Objects not visible at
0	Dense fog	55 yards.
1	Thick fog	220 ,,
2	Fog	550 ,,
3	Moderate fog	1,100 ,,
4	Mist or haze	1¼ miles.
5	Poor visibility	2½ ,,
6	Moderate ,,	6¼ ,,
7	Good ,,	12½ ,,
8	Very good ,,	31 ,,
9	Excellent ,,	beyond 31m.

COLUMN 30 — Code for State of Sea.

0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Preciptious.
4 Rough. 9 Confused.

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

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

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

SECRET

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 6th August 1940.

No. 28,747

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1015.8	-10	SWN	3	c	73	65	7	7	5	-	4-6	9+	2500
	Croydon	1015.7	-12	WSW	2	c	75	65	8	2	5	3	4-6	9+	3700
	S. Farnborough	1018.7	-12	SWW	3	c	73	65	7	1	3	-	4-6	7-8	3000
	Boscombe Down	1016.0	-14	WN	4	c	72	55	7	1	3	-	4-6	7-8	4000
	Calshot (Soton.)	1016.4	-12	SWS	3	z	71	75	7	1	7	-	2-3	4-6	3500
	Lympne	1016.6	-14	SSW	2	c	71	65	8	-	7	8	0	9+	-
	Manston	1015.5	-18	SSW	4	z	76	55	6	2	-	-	9+	9+	3000
2	Shoeburyness	1015.6	-12	SSW	2	c	75	75	8	8	2	-	Tr	9+	2500
	Felixstowe	1015.7	-10	S	3	z	69	75	6	2	7	6	7-8	9+	3000
	Gorleston	1015.0	-10	SSE	3	c	66	85	6	7	-	-	9	9	2500
	Mildenhall	1014.8	-12	NW	2	z	73	65	6	2	7	-	4-6	7-8	4000
	Cranwell	1015.3	-14	W	2	z	71	55	6	8	-	-	9+	9+	8500
3	Birmingham	1015.6	-12	WNW	2	z	71	55	7	7	-	-	9	9	4000
	Upper Heyford	1016.1	-14	WNW	2	z	72	65	6	8	-	-	7-8	7-8	2500
4	Ross-on-Wye	1015.9	-12	W	2	bc	70	55	7	1	-	-	4-6	4-6	4000
5	Hartland Point	1017.4	-12	W	3	c	65	85	8	8	6	-	4-6	7-8	2500
	Bristol	1016.7	-12	W	3	c	69	75	8	7	-	-	7-8	7-8	2200
	Portland Bill	1017.2	-12	W	2	bc	62	92	7	5	-	-	10	10	2500
	Plymouth	1017.9	-12	SW	3	c	66	85	8	8	7	-	7-8	9+	1800
	The Lizard	1019.1	-10	SW	2	c	65	85	8	8	2	-	9	10	1800
	Scilly (St. Mary's)	1018.4	-10	WSW	3	c	65	75	8	8	7	8	4-6	9+	2500
	Guernsey														
6	Pembroke	1017.2	-6	WNW	1	c	67	85	7	8	7	-	4-6	7-8	1500
7	Holyhead	1017.5	-2	NWW	3	bc	61	75	8	7	3	-	2-3	4-6	2800
	Chester (Sealand)	1017.5	0	NWW	4	c	61	85	7	5	-	-	10	10	900
8	Manchester	1016.1	-12	W	4	c	66	75	8	8	-	-	9+	9+	1500
10	Spurn Head	1014.8	+2	-	0	c	73	55	6	5	6	-	4-6	7-8	4000
	Catterick	1014.9	-8	S	1	c/pr	67	75	7	8	7	-	9	10	3100
	Tynemouth	1015.8	-6	SE	1	c/pr	61	92	6	5	-	-	10	10	1500
11	St. Abbs Head	1014.4	-4	NW	2	c	60	75	8	5	6	2	4-6	7-8	2500
	Leuchars	1014.5	-2	SE	3	c	60	85	8	2	7	-	4-6	9	2500
12	Renfrew (Abbotsl.)	1016.1	-2	W	3	c	60	75	8	5	7	-	9+	10	1800
	Eskdalemuir	1014.5	-2	WNW	3	c	63	55	8	7	3	-	7-8	7-8	4600
	Point of Ayre	1017.0	-2	NWN	3	c	64	75	8	1	3	-	Tr	9+	4000
13A	Tiree	1015.1	0	SWW	3	c	60	85	8	5	-	-	9+	9+	1500
13B	Stornoway	1013.9	-2	SSW	4	c/pr	57	92	7	5	2	-	9	10	1500
15	Dalwhinnie	1015.8	-6	SW	1	c	59	65	8	4	-	-	9+	9+	2500
	Aberdeen	1013.8	-10	SE	2	c/r	60	75	7	7	7	-	4-6	9	1500
	Wick	1013.8	-4	SSW	3	c	56	85	8	5	7	8	7-8	9	1500
16	Lerwick	1012.9	-14	WSW	4	c	56	85	8	8	7	-	7-8	10	800
17	Blacksod Point	1017.6	-6	W	3	c	62	85	8	5	-	-	9+	9+	800
18	Malin Head	1016.7	0	W	3	c	60	85	8	8	-	-	9	9	4000
	Aldergrove	1017.0	-6	WN	3	c	62	75	8	8	7	-	7-8	10	2000
19	Birr Castle	1018.0	-6	WN	1	c	65	65	8	5	1	-	7-8	10	2500
20	Valentia Obsy. †	1019.1	-6	WN	3	bc	63	65	9	7	3	1	2-3	4-6	4000
	Roches Point	1017.7	-6	S	2	c	64	75	9	5	-	-	9	9	2500

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1013.7	-8	WSW	2	bc	75	65	7	7	-	-	4-6	4-6	2500	0	*
	Croydon	1013.8	-12	WSW	2	bc	75	55	8	1	-	-	2-3	2-3	4000	0	*
	S. Farnborough	1013.9	-10	W	3	b	74	45	7	7	-	-	1	1	3500	0	*
	Boscombe Down	1014.6	-8	W	4	z	70	65	7	2	-	-	7-8	7-8	3500	0	*
	Calshot (Soton.)	1014.8	-10	WSW	4	b	68	75	7	1	-	-	1	1	4500	0	1
	Lympne	1014.8	-10	SSW	2	bc	70	75	8	-	3	-	0	2-3	-	0	§1
	Manston	1013.3	-14	SSW	3	z	74	65	6	-	3	9	0	4-6	-	0	*
2	Shoeburyness	1013.6	-6	WSW	1	bc	75	65	6	1	-	-	2-3	2-3	4000	0	*
	Felixstowe	1013.1	-10	NE	2	c	74	65	7	2	3	-	2-3	7-8	4000	0	1
	Gorleston	1014.2	-4	NE	2	c	66	75	6	7	-	-	7-8	7-8	1400	0	1
	Mildenhall	1013.3	-4	NNW	1	z	74	65	6	7	7	-	7-8	9	3000	0	*
	Cranwell	1014.3	0	NNW	2	z	68	65	6	8	3	-	2-3	2-3	4000	0	*
3	Birmingham	1014.5	-4	NNW	3	c	68	65	8	8	-	-	7-8	7-8	2500	0	*
	Upper Heyford	1014.4	-6	WN	2	bc	74	55	8	7	-	-	4-6	4-6	3100	0	*
4	Ross-on-Wye	1014.5	-10	WNW	3	bc	71	55	8	2	-	9	2-3	2-3	4000	0	*
5	Hartland Point	1015.8	-10	W	3	bc	64	85	8	5	6	-	4-6	4-6	2500	0	2
	Bristol	1015.1	-6	WNW	3	bc	68	75	8	2	6	-	2-3	4-6	4200	0	*
	Portland Bill	1015.0	-14	WSW	3	c	62	92	7	5	-	-	10	10	4000	1	2
	Plymouth	1016.4	-10	SSW	3	bc	64	85	8	8	7	1	2-3	4-6	2500	0	2
	The Lizard	1016.9	-10	WS	3	c	63	85	8	8	6	-	7-8	7-8	2500	0	1
	Scilly (St. Mary's)	1016.8	-10	WNW	4	c	63	85	8	8	3	4	4-6	9	1500	0	1
	Guernsey																
6	Pembroke	1016.2	-4	NWN	5	c	63	85	7	8	-	-	9+	9+	1500	0	1
7	Holyhead	1016.2	-8	WNW	2	bc	61	75	9	4	3	-	Tr	2-3	3500	1	1
	Chester (Sealand)	1016.4	-8	NW	4	bc	61	65	8	1	3	-	2-3	4-6	2500	0	*
8	Manchester	1015.6	-4	NWN	3	bc	62	65	8	1	3	-	Tr	2-3	3000	0	*
10	Spurn Head	1013.8	-2	-	0	c	63	85	6	5	-	-	9+	9+	4000	0	0
	Catterick	1013.9	-4	NE	1	bc	66	[illegible]	8	8	3	-	1	2-3	4000	0	*
	Tynemouth	1015.2	-4	E	3	c	59	92	7	8	3	-	4-6	7-8	2500	1	1
11	St. Abbs Head	1013.8	-6	NW	2	bc	61	65	8	1	4	1	1	2-3	2500	0	1
	Leuchars	1013.2	-10	W	3	b	65	65	8	8	4	-	1	1	2500	0	*
12	Renfrew (Abbotsl.)	1015.0	-10	W	3	c	61	75	8	8	7	-	4-6	9	2400	1	*
	Eskdalemuir	1014.5	-4	WNW	3	c	58	75	8	7	-	-	9	9	2500	1	*
	Point of Ayre	1016.1	-4	WNW	3	c	64	75	8	-	4	9	0	7-8	-	0	2
13A	Tiree	1013.8	-4	WSW	3	c	59	85	8	5	3	-	7-8	9	1500	0	3
13B	Stornoway	1012.2	-14	WSW	3	iR	56	92	7	5	2	-	7-8	10	1500	1	2
15	Dalwhinnie	1014.2	-2	SW	1	c	57	75	8	4	3	-		10	1500	0	*
	Aberdeen	1012.9	-8	S	2	c	59	85	6	8	9	-	4-6	7-8	2500	1	1
	Wick	1011.9	-8	SSW	2	c/pr	58	92	8	5	7	-	7-8	9+	1500	1	1
16	Lerwick	1011.2	-8	SW	4	c	55	92	8	8	7	-	7-8	9+	800	0	*
17	Blacksod Point	1017.0	-2	W	2	c	59	85	8	5	-	-	7-8	9+	1500	0	2
18	Malin Head	1015.7	-2	W	3	c	59	85	8	6	-	-	7-8	7-8	3700	0	4
	Aldergrove	1016.0	-2	WS	2	c	61	75	8	8	-	-	10	10	2000	1	*
19	Birr Castle	1017.2	0	WN	1	c	63	65	8	5	1	-	7-8	10	2500	0	*
20	Valentia Obsy. †	1018.2	-2	WN	3	b	63	75	9	7	7	1	Tr	1	4000	0	2
	Roches Point	1016.6	-8	SW	2	bc	65	75	9	5	4	-	4-6	4-6	2500	0	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 5th (37)	13h.—18h. 5th (38)	18h.—1h. 5th to 6th (39)	1h.—7h. 6th (40)
1	London (Kew)	bbcmc	cbcy	bcybc	cprcm
	Croydon	bcmzc	bcyb	bczbbcw	bcmwcm
	S. Farnborough	bmc	cyb	bywf	bfmc
	Boscombe Down	cbcm	bczc	bccmbcm	cm
	Calshot (Soton.)	cm	bcmb	cmbcbm	cmir
	Lympne	bbc	c	bw	bwmcm
	Manston	bzczy	cbczy	bczbmw	bmwbcf
2	Shoeburyness	bcmcfg	cbcb	bmbm	bmcm
	Felixstowe	bmcz	czbczbc	bczbmw	bcmwcm
	Gorleston	bccz	czz	cbcz	bccw
	Mildenhall	cmbczcz	cz	czbm	bbcmw
	Cranwell	cbccm	mcbcm	bczbm	bmfcm
3	Birmingham	cmbc	cbcc	bc	bcb
	Upper Heyford	cz	czbc	bccbcm	bcmbm
4	Ross-on-Wye	cmcbc	bcy	bcbw	bwbcb
5	Hartland Point	c	cdbc	bc	bcc
	Bristol	cmbc	pbc	bccmw	cmwbc
	Portland Bill	cbc	bcc	bcc	c
	Plymouth	cobcmc	cbc	bcb	bcbc
	The Lizard	opc	c	cbcw	cbc
	Scilly (St. Mary's)	odc	c	crc	c
	Guernsey				
6	Pembroke	mc	c	c	cbcc
7	Holyhead	drrbc	bc	bcwb	bwbcc
	Chester (Sealand)	czc	cbc	bcbwm	bbcmwc
8	Manchester	cmczc	cbc	bcbmm	bcffwbm
10	Spurn Head	ozc	cz	bz	c
	Catterick	cpr	cbcb	bbmw	bmwcw
	Tynemouth	cf	ocfc	cbc	bcc
11	St. Abbs Head	irc	cbc	b	bbcc
	Leuchars	cbcc	cbcb	bbccw	cwbcwb
12	Renfrew (Abbotsl.)	bcc	c	cbcc	cir
	Eskdalemuir	idcbcc	cyc	cbcb	bbccir
	Point of Ayre	bbcc	bcc	bcc	c
13A	Tiree	c	c	cpr	bcprc
13B	Stornoway	cpp	cpr	c	c
15	Dalwhinnie	cbc	bcc	*	cir
	Aberdeen	rrcir	cbc	bcc	c
	Wick	c	cpr	c	cbcc
16	Lerwick	c	cpr	cidpr	cpr
17	Blacksod Point	c	c	c	cbc
18	Malin Head	c	c	c	c
	Aldergrove	bbcc	c	ccdc	c
19	Birr Castle	c	c	c	c
20	Valentia Obsy. †	cbcv	bcvbv	bvbw	bwbcwpr
	Roches Point	c	cbc	bc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

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

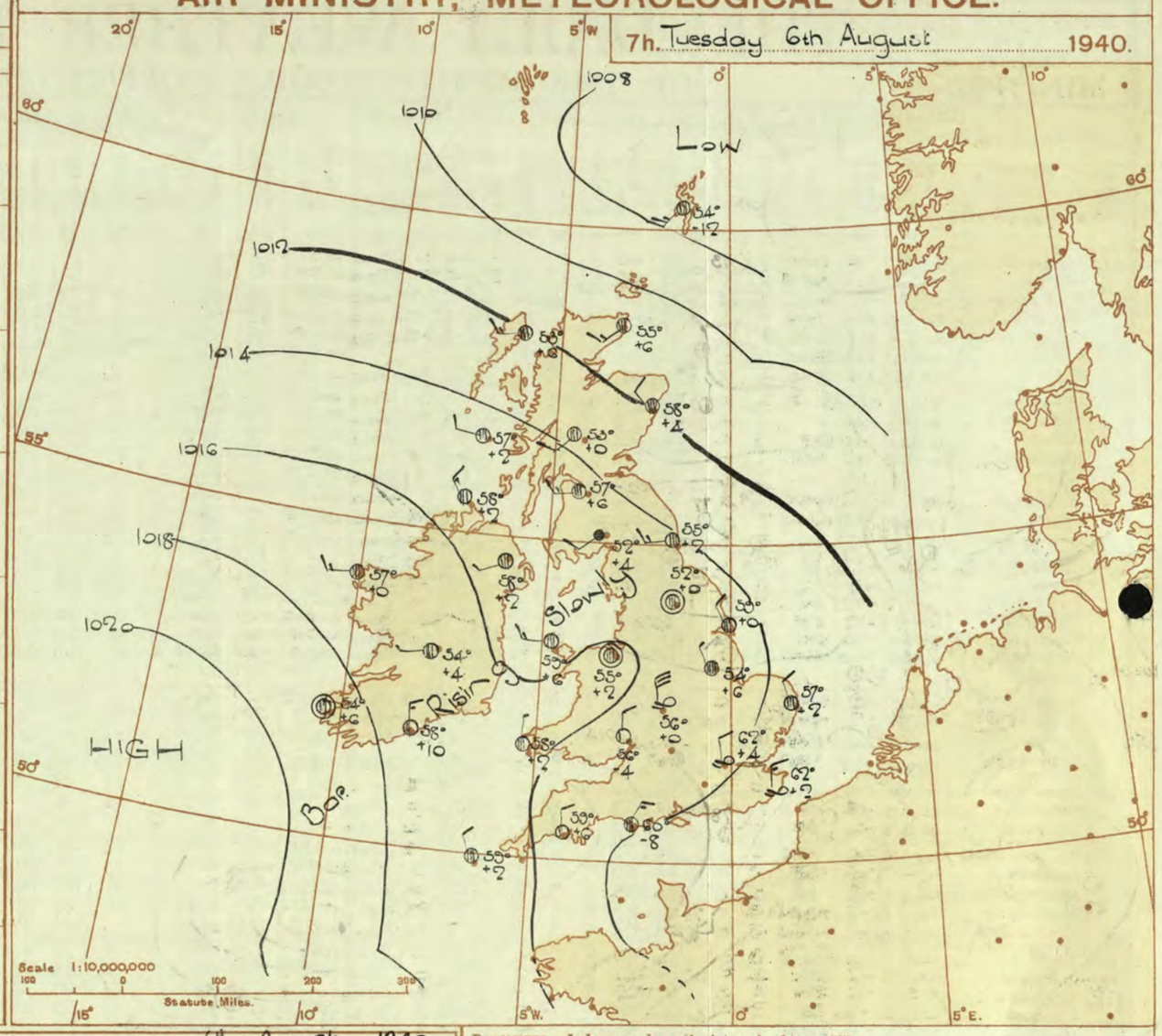
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 6th August 1940.

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 5th August			18h. G.M.T.			01h. G.M.T. 6th August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	52	02765	18128	57	02743	17228	57	61744	20486	87	02744	22485
115	55	02854	02487	52	63834	20467				57	01854	26585
203												
206	57	02965	24228	86	81856	23287	50	02854	24364	84	02964	23225
219	7	02953	24227	8-	02855	24225	51	02856	21488	23	01852	22314
220				52	81734	24388				53	02853	28226
230	57	25856	20388	5-	22748	20368	87	81746	20267	83	02844	22285
245	83	02843	12367	57	02743	26225				54	01874	22214
260	47	02964	26228									
277	77	02951	28428	57	02964	32227	52	02765	24128	57	02764	25227
279												
285	2-	02736	22426							5-	02747	22427
288	82	02755	26228	46	17563	04284	00	45190	16140	57	01864	16115
293												
301				10	01854	28314	46	01752	28213	8-	05557	14187
321	5-	05665	26128	84	05653	27414	50	05654	24214	07	05590	26215
290	83	02655	26216	57	05664	00025	50	05543	00013			
292	77	05656	20227	83	01853	26323	00	00790	00010	07	02890	00015
310	--	05528	24228	--	01634	24214				--	01634	32314
316	73	05665	24325	86	05662	26224	50	05562	26102	07	05690	28125
333	6-	02956	24226	73	01962	26313	00	00890	28200	5-	02977	26127
334	--	02757	22227	--	10854	26215				--	47261	00041
340	7-	02847	28217	83	01852	32324	50	00762	00012	70	01753	24114
136				16	05662	23114	00	05690	28210	03	05690	00016
336	--	02853	32416	--	01851	28413				--	02853	28416
350	80	05655	18215	23	00762	26212				00	05690	28201
368	70	05655	23315	16	01752	23314	5-	08438	00118	53	02866	04227
379	70	05653	26213	80	01764	26314	00	05690	02300			
390	14	05663	22315				5-	05554	32214	5-	05654	29328
382	26	05665	26325	10	00762	28202	5-	05676	30216	70	05671	30212
438										5-	02747	04427
430	27	05654	20226	00	05690	22300	00	05590	00000	03	05690	02426
409	84	05745	20355	85	01844	22414				5-	02856	32346

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



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 6th August 1940
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light north or northwest wind, variable on coast; fair, somewhat cooler than of late.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Light northwest to west wind; mainly fair but considerable cloud at times and a few scattered showers; average temperature.
13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Moderate or fresh west wind, falling temporarily light and backing southwest later; cloudy, some showers, bright intervals; rather cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 7-13A.

GENERAL INFERENCE.

A feeble wedge of high pressure is crossing the British Isles and will maintain mainly fair weather today though there will be scattered showers in the North. A depression south west of Iceland will affect the north west later tomorrow.

FURTHER OUTLOOK.

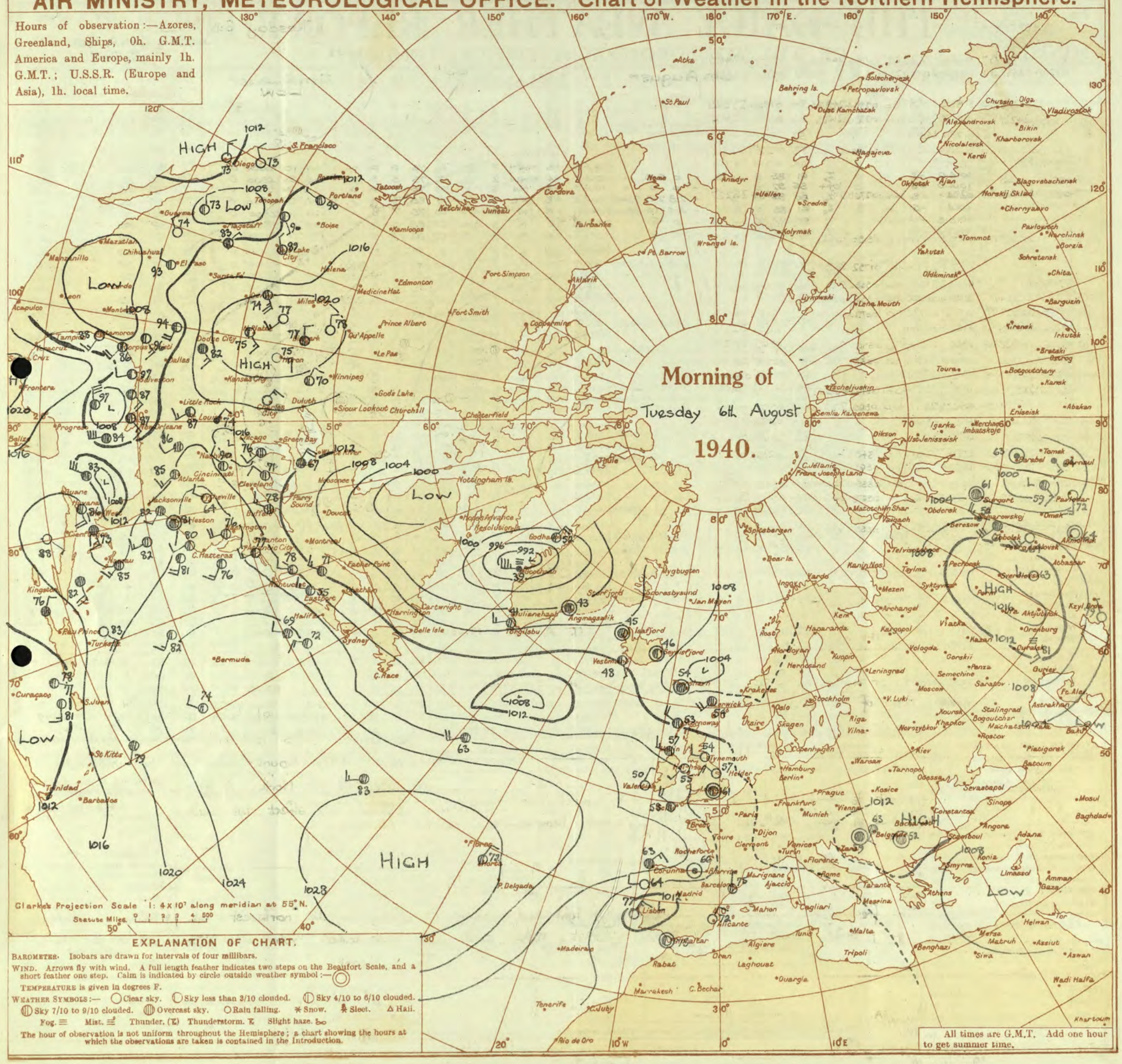
Rain in the northwest with freshening south west winds; fair over tomorrow in the southeast.

Forecasts issued at 10.30 h.

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

H.M.S.O. Press, Cornwall House, S.E.1.
C.64/3902. m. 8049. D. 3705. G. 948. (5800 E/40)

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



AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 6th August 1940.
No. 28,747

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1014.0	-2	-	0	Z_0	61	85	5	-	3	-	0	2-3	-
	S. Farnborough	226	1014.0	-6	-	0	bf+	56	92	3	-	-	-	0	0	-
	Boscombe Down	417	1014.1	-8	NW'N	1	Z_0	60	92	6	5	-	-	2-3	2-3	2000
	Calshot (Sthmtn.)	8	1014.1	-6	W	2	Z_0	61	85	6	8	1	-	4-6	10	3500
	Lympne ...	346	1013.8	-10	NW'N	1	Z_0	57	97	6	-	3	-	0	Tr	-
	Manston ...	154	1012.4	-10	-	0	Z_0	59	97	5	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1012.9	-2	N'W	2	Z_0	61	85	5	5	-	-	2-3	2-3	5700
	Gorleston ...	5	1013.7	-2	NNW	1	bc	61	92	6	-	4	-	0	2-3	-
	Mildenhall ...	19	1013.3	-4	NW'N	2	Z_0	56	92	6	-	-	-	0	0	-
	Cranwell ...	240	1014.7	-2	NW	1	Z_0	55	85	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1015.2	+2	N'E	3	Z_0	57	85	6	5	-	-	4-6	4-6	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1015.2	-6	W	1	bc	60	97	8	5	-	-	4-6	4-6	2500
	Bristol ...	209	1015.0	-2	N	3	Z_0	60	92	6	5	-	-	7-8	7-8	1700
	Portland Bill ...	32	1014.6	-8	WSW	2	c	59	92	7	5	-	-	7-8	7-8	4000
	Plymouth ...	82	1015.2	-8	N	2	bc	58	92	7	5	-	-	2-3	2-3	2100
	The Lizard ...	240	1015.4	-4	NW'N	3	bc	58	97	7	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1016.9	0	NW'N	4	c	58	97	8	8	7	-	4-6	9+	1500
	Guernsey ...	175														
6	Pembroke ...	142	1016.7	+2	N	3	c	58	92	8	8	-	-	9+	9+	1500
7	Holyhead ...	26	1015.6	-6	WSW	1	bc	55	75	8	5	-	-	Tr	Tr	3500
	Chester (Sealand)	16	1015.6	-10	-	0	Z_0	48	92	6	5	-	-	Tr	Tr	4500
8	Manchester ...	70	1015.4	-6	-	0	m	46	97	4	-	-	-	0	0	-
10	Spurn Head ...	29	1013.7	-2	NW'N	3	b	57	92	6	-	-	-	0	0	-
	Catterick ...	175	1014.7	-4	-	0	Z_0	49	97	6	-	-	-	0	0	-
	Tynemouth ...	108	1015.0	-4	W	2	b	54	85	6	2	-	-	1	1	2500
11	St. Abbs Head	280	1012.3	-12	W	4	b	58	78	7	-	-	-	0	0	-
	Leuchars ...	36	1012.7	-6	WSW	2	c	56	97	8	5	-	-	7-8	7-8	2500
12	Renfrew (Abbots I.)	19	1014.1	-8	-	0	c	57	85	8	5	7	-	7-8	9	2800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1015.8	-2	NW'N	2	c	55	97	8	5	-	-	9+	9+	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1011.5	-4	WNW	4	c	53	85	7	5	8	-	4-6	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1010.1	-8	SSW	2	c	54	92	7	8	7	8	7-8	9+	800
16	Lerwick ...	156	1008.7	-10	SW	4	5/pr	54	97	7	8	7	-	7-8	10	800
17	Blacksod Point	18	1017.2	-4	W	3	c	58	85	7	5	-	-	9	9	800
18	Malin Head ...	84	1015.3	-4	W	3	c	57	85	7	8	3	-	4-6	7-8	4000
	Aldergrove ...	268	1015.7	-4	WSW	2	c	57	92	7	5	-	-	10	10	4000
19	Birr Castle ...	173	1017.5	0	W'N	1	c	54	92	8	5	-	-	9	9	2500
20	Valentia Obsy.	30	1018.3	0	N'E	1	b	50	97	9	-	-	-	0	0	-
	Roches Point	22	1017.0	-2	NW'N	3	bc	58	85	8	5	-	-	4-6	4-6	2500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0–10 (26)	Cloud. Amount. Total 0–10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1014.5	+8	NW'N	2	Z_0	60	75	6	5	-	-	10	10	1500	0	*
	Croydon ...	1014.2	+4	NNW	2	Z_0	62	75	5	5	3	-	4-6	9+	4500	0	*
	S. Farnborough	1014.3	+8	NW	2	c	59	75	7	5	3	-	4-6	9+	5700	0	*
	Boscombe Down	1014.9	+8	N'E	3	Z_0	57	85	7	5	7	-	7-8	9+	4300	0	*
	Calshot (Sthmtn.)	1014.1	+6	N	3	9/r	60	75	7	5	-	-	10	10	2000	0	2
	Lympne ...	1013.5	+2	N	3	bc	62	85	6	5	3	-	2-3	4-6	5700	0	1
	Manston ...	1012.8	+6	N	3	Z_0	62	92	5	2	-	-	9	9	3000	0	*
2	Shoeburyness ...	1013.6	+10	N	2	c	61	75	6	5	7	-	7-8	10	4000	0	*
	Felixstowe ...	1013.7	+10	N'N	2	Z_0	60	85	6	5	3	-	1	7-8	4000	0	1
	Gorleston ...	1013.7	+2	NNW	2	c	57	92	5	5	3	-	2-3	9	2500	0	1
	Mildenhall ...	1013.9	+2	WNW	2	Z_0	54	92	6	5	3	9	1	7-8	5700	0	*
	Cranwell ...	1014.9	+6	NW	1	9/f	54	97	6	5	-	-	10	10	450	0	
3	Birmingham ...	1015.3	0	NNW	3	Z_0	56	85	6	1	4	-	Tr	1	2500	0	*
	Upper Heyford	1015.2	0	NW	2	Z_0	55	85	6	-	4	-	0	Tr	-	0	*
4	Ross-on-Wye	1015.5	-4	N	2	b	56	85	8	5	-	-	Tr	Tr	4000	0	*
5	Hartland Point	1015.6	+4	NNE	3	c	60	75	8	5	6	-	4-6	7-8	4000	0	2
	Bristol ...	1015.7	+6	NNE	2	bc	56	85	7	-	3	-	0	2-3	-	0	*
	Portland Bill ...	1014.1	-8	NE	3	c	60	92	7	5	-	-	10	10	2500	1	2
	Plymouth ...	1015.2	+6	N	2	bc	59	85	8	7	-	-	2-3	2-3	2000	0	1
	The Lizard ...	1016.4	+2	N	3	bc	58	92	8	8	6	-	4-6	4-6	2500	0	2
	Scilly (St. Mary's)	1016.6	+2	NW'N	2	c	59	85	9	8	7	-	4-6	9	2500	0	1
	Guernsey ...																
6	Pembroke ...	1016.9	+2	N	1	c	58	85	8	8	7	-	7-8	7-8	1500	0	1
7	Holyhead ...	1015.8	+6	WNW	3	c	59	92	8	8	3	-	9+	10	3500	1	1
	Chester (Sealand)	1016.4	+2	-	0	c	55	75	7	5	3	-	Tr	9	4500	1	*
8	Manchester ...	1015.6	+2	WSW	1	m/f	51	97	4	-	3	-	0	4-6	-	0	*
10	Spurn Head ...	1014.0	0	NW	2	c	59	85	6	4	7	-	4-6	9+	4000	0	1
	Catterick ...	1014.5	0	-	0	c	52	92	8	5	-	6	7-8	9	4500	0	*
	Tynemouth ...	1014.7	+2	W	3	c	55	92	6	8	-	-	9+	9+	4000	1	1
11	St. Abbs Head	1012.4	+4	W	4	c	57	75	8	5	6	9	4-6	7-8	2500	0	2
	Leuchars ...	1012.6	+6	SW	2	bc	56	85	8	7	4	-	1	2-3	4000	0	*
12	Renfrew (Abbots I.)	1014.1	+6	W	3	5/r	57	92	8	5	3	-	7-8	9+	2500	1	*
	Eskdalemuir ...	1014.4	+4	SW	2	1/r	52	97	6	6	-	-	10	10	2200	1	
	Point of Ayre ...	1015.2	+6	W'N	2	c	59	92	8	8	7	-	4-6	9+	1500	0	1
13A	Tiree	1013.2	+2	WNW	2	c	57	85	8	5	-	-	9	9	1500	0	3
13B	Stornoway ...	1012.1	+6	W	3	c	53	85	8	7	7	-	4-6	7-8	2500	1	2
15	Dalwhinnie ...	1012.4	0	SW	2	c	53	75	7	4	4	-	4-6	9	1500	1	*
	Aberdeen ...	1011.7	+4	NW'N	2	c	58	75	8	-	3	-	0	7-8	-	1	1
	Wick ...	1010.6	+6	SW	3	c	55	85	8	5	6	2	4-6	7-8	1500	1	1
16	Lerwick ...	1007.1	-12	SW'S	5	c	54	97	8	8	7	-	7-8	9	800	1	*
17	Blacksod Point	1017.0	0	W	3	c	57	85	8	4	3	-	2-3	7-8	1500	0	2
18	Malin Head ...	1014.9	+2	NW	3	c	58	85	8	9	-	-	9	9	2500	0	3
	Aldergrove ...	1015.5	+2	WSW	1	c	58	85	8	8	-	-	9	9	2500	1	*
19	Birr Castle ...	1017.9	+4	W'N	1	c	54	97	8	5	1	-	7-8	10	2500	0	*
20	Valentia Obsy.	1018.8	+6	-	0	c	54	97	8	5	-	-	10	10	1500	0	2
	Roches Point	1018.0	+10	N	3	bc	58	85	8	5	-	-	2-3	2-3	4000	0	1

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 5th Hrs. (36)
1	London (Kew)	77	60	50	-	Tr	8.5
	Croydon ...	78	55	51	-	-	10.1
	S. Farnborough	77	54	48	-	-	9.3
	Boscombe Down	74	56	50	-	-	5.6
	Calshot (Sthmtn.)	73	60	57	-	-	9.5
	Lympne ...	72	57	48	-	-	9.7
	Manston ...	79	57	50	-	-	9.3
2	Shoeburyness ...	79	59	59	-	-	9.1
	Felixstowe ...	76	58	57	-	-	8.8
	Gorleston ...	76	56	53	-	-	6.0
	Mildenhall ...	78	53	47	-	Tr	10.1
	Cranwell ...	76	51	49	-	-	4.5
3	Birmingham ...	73	51	43	*	-	5.4
	Upper Heyford	76	51	42	-	-	*
4	Ross-on-Wye	73	50	40	-	-	5.4
5	Hartland Point	67	58	55	Tr	-	5.1
	Bristol ...	72	54	51	-	-	7.[illegible]
	Portland Bill ...	68	58	*	-	-	
	Plymouth ...	67	57	52	-	-	4.5
	The Lizard ...	67	56		Tr	-	2.5
	Scilly (St. Mary's)	68	58	*	-	0.5	3.6
	Guernsey ...						
6	Pembroke ...	67	53	*	Tr	Tr	2.1
7	Holyhead ...	62	54	47	-	-	9.6
	Chester (Sealand)	67	48	44	-	-	5.0
8	Manchester ...	68	43	38	-	-	4.3
10	Spurn Head ...	73	56	*	-	-	4.5
	Catterick ...	69	48	40	0.3	-	3.2
	Tynemouth ...	65	53	52	2	-	*
11	St. Abbs Head	61	53	*	1	-	*
	Leuchars ...	65	52	46	-	-	2.7
12	Renfrew (Abbots I.)	65	54	49	-	Tr	3.0
	Eskdalemuir ...	65	47	40	0.1	Tr	3.6
	Point of Ayre ...	66	51	*	-	-	8.0
13A	Tiree	60	54	*	0.2	1	0.1
13B	Stornoway ...	59	51	*	3	-	0.3
15	Dalwhinnie ...	62	48	42	-	0.4	1.3
	Aberdeen ...	61	55	47	2	-	1.3
	Wick ...	60	50	*	1	-	*
16	Lerwick ...	57	52	*	Tr	1	*
17	Blacksod Point	63	55	*	0.3	0.2	*
18	Malin Head ...	61	54	*	0.1	-	0.5
	Aldergrove ...	65	56	55	-	Tr	2.5
19	Birr Castle ...	67	54	45	-	-	4.6
20	Valentia Obsy.	64	47	42	-	Tr	3.8
	Roches Point	67	57	*	-	-	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew ...	18	bbcm$_2$c	cbcy	bcypc	77	60	50	-	Tr	8.5	*	*	6
Croydon ...	217	bcm$_2$c	bcyb	bcz$_2$m$_2$	78	58	51	-	-	10.1	*	*	5
Greenwich (Royal Observatory) ...	149	c	cby	cbcmc	81	59	53	-	-	8.9	47	69	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	78	61	57	-	-	8.0	63	77	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	77	59	56	-	-		57	67	*
Camden Square ...	110	bc	bc	*	80	60	56	-	-	*	*	69	*
Kensington ...	80	bcz	bc	*	80	60	57	-	-		49	71	*
Hampstead Observatory ...	450	bc	bc	bc	77	57	54	-	-		*	73	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 6th

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
0.1	1-3h. 6h	<0.1	10-24h. 5th.

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 5th August Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 6th August Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris ...														
Brussels ...														
Berlin ...														
Zürich ...														
Rome ...											*	*		

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1½ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30 — Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptious.
4 Rough.	9 Confused.

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

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

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AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

7th August, 1940.

No. 28,747.

OBSERVATIONS at 13h. G.M.T. 6th August,

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1013.9	+2	N	3	bc	71	55	7	1	-	-	7-8	7-8	4000
	Croydon	1013.4	0	W'N	2	c	71	55	7	2	-	-	9	9	3500
	S. Farnborough	1013.4	-2	NW'N	3	bc	74	55	8	8	3	9	4-6	4-6	3000
	Boscombe Down	1014.4	0	N	3	bc	69	55	8	1	3	-	4-6	4-6	3000
	Calshot (Soton.)	1013.9	-2	NW	2	c	70	65	8	7	-	-	9	9	4000
	Lympne ...	1013.7	+2	N	3	c	68	65	7	-	3	-	9	9	-
	Manston ...	1013.4	+4	N'E	3	z_o	65	85	6	5	7	-	4-6	10	4000
2	Shoeburyness ...	1013.5	+2	SE	2	c	68	75	6	8	7	-	4-6	9	4000
	Felixstowe ...	1013.7	+2	E	3	z_o	69	75	6	2	3	-	4-6	4-6	3500
	Gorleston ...	1014.1	+6	N'E	3	bc	64	85	6	2	-	-	4-6	4-6	2500
	Mildenhall ...	1013.5	+2	N'W	2	bc	70	65	7	1	-	-	7-8	7-8	4000
	Cranwell ...	1014.3	-2	N	1	bc	70	45	7	1	-	-	2-3	2-3	2500
3	Birmingham	1015.0	+2	NNW	2	c	66	55	8	1	3	-	4-6	9	2500
	Upper Heyford	1014.7	+2	NW'N	3	bc	69	55	7	8	-	-	4-6	4-6	3000
4	Ross-on-Wye ...	1015.1	0	NW	4	bc	65	55	8	7	-	-	4-6	4-6	4000
5	Hartland Point	1016.4	+2	N	2	b	62	75	9	1	-	-	Tr	Tr	2500
	Bristol	1015.7	+4	N'W	3	bc	69	65	8	4	-	-	7-8	7-8	2800
	Portland Bill ...	1014.8	+2	NW	2	c	65	89	7	5	-	-	10	10	4000
	Plymouth ...	1015.7	+6	NNW	4	bc	68	45	8	7	-	-	2-3	2-3	3000
	The Lizard ...	1016.5	+2	NNW	3	bc	71	55	8	7	4	-	4-6	4-6	2500
	Scilly (St. Mary's)	1017.8	+10	N'W	2	c	66	65	8	8	3	-	1	7-8	2500
	Guernsey ...														
6	Pembroke ...	1016.5	0	NW	3	bc	65	75	8	2	3	-	2-3	4-6	2500
7	Holyhead ...	1016.2	+6	WNW	3	c	62	85	8	2	3	-	Tr	7-8	2500
	Chester (Sealand)	1016.4	+4	NW	4	c	63	75	7	1	3	-	4-6	10	2500
8	Manchester ...	1015.4	0	W'N	3	c	64	75	8	8	-	-	9+	9+	2900
10	Spurn Head ...	1014.1	0	ENE	2	bc	65	65	6	2	-	-	4-6	4-6	4000
	Catterick ...	1014.3	+6	NW	3	c	65	65	8	8	3	-	7-8	9	4000
	Tynemouth ...	1014.4	+4	W	3	c	65	65	7	8	-	1	4-6	7-8	4000
11	St. Abbs Head	1012.7	+2	NW	3	c	64	65	8	5	2	-	4-6	7-8	2500
	Leuchars ...	1012.4	0	WNW	3	c	65	55	8	8	6	-	4-6	9	3500
12	Renfrew (Abbots I.)	1013.8	-2	W'N	3	c	63	65	9	7	-	-	9+	9+	2800
	Eskdalemuir ...	1014.1	+2	NW'W	3	c	58	75	8	5	-	-	9+	9+	1500
	Point of Ayre ...	1013.6	+4	NW'W	2	c	67	75	8	7	-	-	9+	9+	2500
13A	Tiree	1013.9	0	WNW	2	bc	59	65	8	5	3	-	2-3	4-6	2500
13B	Stornoway ...	1012.5	+4	NW	4	c	57	85	8	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	1013.1	+2	W	2	c	60	55	7	4	6	-	4-6	9	1500
	Aberdeen ...	1012.1	+6	N'W	3	ir_o	62	65	8	8	-	-	9+	9+	2500
	Wick	1010.9	0	NW	4	bc	59	65	8	1	6	-	4-6	4-6	1500
16	Lerwick... ...	1007.5	+2	W	5	pr	55	92	8	8	7	-	7-8	9	1500
17	Blacksod Point..	1017.4	0	W'N	2	c	62	65	8	-	6	-	0	9	-
18	Malin Head ...	1015.7	+2	NNW	2	c	62	65	8	5	7	-	4-6	7-8	5700
	Aldergrove ...	1015.3	-2	NNW	2	c	65	59	9	8	-	-	9+	9+	2500
19	Birr Castle ...	1017.3	-4	W	1	c	67	55	8	5	1	-	7-8	9+	1500
20	Valentia Obsy. †	1019.0	-2	NW	3	bc	64	75	9	8	3	4	2-3	4-6	4000
	Roches Point ...	1018.2	0	N	3	c	65	65	9	5	-	-	9	9	2500

OBSERVATIONS at 18h. G.M.T. 6th August,

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1013.5	-2	NNW	3	b	71	45	7	1	-	1	1	2-3	4000	0	*
Croydon	1013.0	-2	NW'N	2	bc	71	55	7	7	-	-	2-3	2-3	3500	0	*
S. Farnborough	1013.4	+4	N'W	3	bc	71	55	7	1	3	8	2-3	2-3	4000	0	*
Boscombe Down	1014.0	-2	NW	2	bc	68	55	8	2	3	-	2-3	4-6	3000	0	*
Calshot (Soton.)	1013.5	-2	NNW	3	e	71	55	8	7	3	-	4-6	7-8	4000	0	1
Lympne	1013.5	+2	SW	2	c	66	75	8	8	3	-	4-6	9+	3000	0	§ 1
Manston	1012.9	-2	ENE	2	z_o	65	75	6	-	7	1	0	4-6	-	0	*
Shoeburyness	1013.6	+2	E	2	b	65	85	6	-	-	1	0	Tr	-	0	*
Felixstowe	1013.5	-2	NE	3	c	63	75	8	8	-	-	7-8	7-8	3000	0	2
Gorleston	1013.8	-2	NNE	2	bc	63	75	7	-	4	-	0	2-3	-	0	1
Mildenhall	1013.2	-2	N	1	bc	68	65	8	4	7	-	4-6	7-8	4000	0	*
Cranwell	1013.8	0	NNW	3	z_o	65	65	6	5	-	-	9+	9+	2500	0	*
Birmingham	1014.7	+4	NW	3	c	64	65	8	5	-	-	7-8	7-8	4000	0	*
Upper Heyford	1013.9	-2	NNW	3	bc	69	55	7	8	6	-	2-3	7-8	4000	0	*
Ross-on-Wye	1014.7	-4	N'W	3	c	66	65	7	5	-	-	7-8	7-8	4000	0	*
Hartland Point	1015.8	-6	NNW	2	bc	61	85	8	1	4	4	1	2-3	2500	0	2
Bristol	1014.9	+2	WNW	2	c	66	85	8	2	4	-	2-3	9	4000	0	*
Portland Bill	1014.6	-4	W	2	c	63	85	8	5	-	-	7-8	7-8	4000	0	2
Plymouth	1015.3	0	NW	4	b	66	55	8	1	-	1	2-3	2-3	3000	0	2
The Lizard	1016.6	0	NW	4	bc	65	65	8	2	5	-	4-6	4-6	8000	0	2
Scilly (St. Mary's)	1017.4	-6	N	2	bc	63	75	8	8	3	3	1	2-3	2500	0	1
Guernsey																
Pembroke	1016.2	-4	NW'W	3	bc	62	75	8	1	4	1	1	2-3	3000	0	1
Holyhead	1015.6	-6	WNW	2	c	62	85	8	2	3	-	1	9+	2500	0	1
Chester (Sealand)	1015.8	-2	NW	3	bc	63	65	8	7	-	6	1	4-6	2500	0	*
Manchester	1014.9	-2	WNW	3	bc	63	65	8	1	3	-	2-3	2-3	2800	0	*
Spurn Head	1013.7	0	SE'E	1	c	60	75	6	5	-	-	9	9	4000	0	1
Catterick	1013.5	-2	NW	1	c	65	65	8	8	3	-	4-6	7-8	6500	0	
Tynemouth	1013.8	-2	W	2	c	61	75	7	8	-	-	7-8	7-8	4000	0	1
St. Abbs Head	1012.6	0	NW	3	c	60	75	8	8	3	-	4-6	9	1500	0	2
Leuchars	1012.1	-2	WNW	2	c	63	65	8	8	6	-	7-8	9+	3200	0	*
Renfrew (Abbots I.)	1013.9	-2	W'N	4	bc	60	65	9	5	3	2	4-6	4-6	4000	0	*
Eskdalemuir	1013.8	0	NW'W	3	c	59	65	8	5	-	-	9	9	2500	0	*
Point of Ayre	1015.3	-2	NW	1	c	61	85	8	3	5	-	9+	9+	4000	0	1
Tiree	1014.1	0	WNW	1	c	57	75	8	5	-	-	9+	9+	2500	0	2
Stornoway	1012.5	-2	WNW	4	c	57	75	8	5	7	-	4-6	10	2500	1	2
Dalwhinnie	1013.9	0	WSW	1	c	55	65	8	2	6	-	7-8	9+	1500	0	*
Aberdeen	1012.0	-2	N	2	c/pr	60	75	8	8	-	-	7-8	7-8	4000	1	1
Wick	1011.0	+4	NW	4	bc	57	75	9	8	7	-	4-6	4-6	2500	0	2
Lerwick	1008.7	+4	W	5	c	55	85	8	8	7	-	4-6	7-8	1500	1	*
Blacksod Point	1016.6	-2	W	2	c	59	65	8	8	-	-	10	10	2500	0	2
Malin Head	1015.3	0	W	3	c	58	65	8	4	6	-	4-6	7-8	5700	0	3
Aldergrove	1015.0	-4	N'E	1	c/pr	62	65	8	8	7	-	4-6	9+	3000	1	*
Birr Castle	1016.3	-4	WSW	1	c	65	55	8	5	7	-	4-6	9	2500	0	*
Valentia Obsy. †	1013.2	-2	WNW	2	c	61	75	9	8	7	-	1	9+	2500	0	2
Roches Point	1016.7	-10	WSW	3	c	64	75	8	8	-	-	7-8	7-8	2500	0	2

PAST 24 HOURS.

Stations	Weather 7h.—13h. 6th (37)	Weather 13h.—18h. 6th (38)	Weather 18h. 6th to 1h. 7th (39)	Weather 1h.—7h. 7th (40)
London (Kew)	cz_obbcy	bcby	$bybcm_ow$	$bccm_ow$
Croydon	$czbz_obcz_o$	byb	bcyc,bmW	bcm_owcm_o
S. Farnborough	bc	bcycbc	bcycbc	bc
Boscombe Down	bc	bcy	bcm_o	$bccm_o$
Calshot (Soton.)	cbc	bcb,c	cm_obm_o	$bccm_o$
Lympne	bcm_oc	c	cm_obm_ow	bm_owbc
Manston	$f_of_ocm_o$	cm_obcm_o	cm_obm_ow	$bmwfgcm_o$
Shoeburyness	cm_o	cm_obm_o	bm_ow	bm_owcm_o
Felixstowe	bcz_o	bcz_ocz_o	cbm_oW	cm_owcw
Gorleston	cz_obc	bc	$bccz_o$	cz_oc
Mildenhall	cm_owbcz_o	bcc	$cbcc\ ir_oc$	cir_ocm_o
Cranwell	bccbc	$bcycz_o$	$bccm_o$	b,cm_o
Birmingham	bbc	cbcc	c	cz
Upper Heyford	bcz_obc	bc	bc	cm_o
Ross-on-Wye	bbcc	bcycy	cc	cc
Hartland Point	cbcb	bbc	bccbc	
Bristol	bcbbc	bcc	$cbccm_ow$	cm_ocw
Portland Bill	ccz	bcc	cbc	cc
Plymouth	bcbybcy	bcyby	bcb	b,c
The Lizard	bcy	bc	bc	c
Scilly (St. Mary's)	cbcc	cbc	bccw	c
Guernsey				
Pembroke	cbc	bc	bcw	bcc
Holyhead	c	cbc	c	c
Chester (Sealand)	wbccbcc	cbc	$bccm_o$	$cbcmm_ow$
Manchester	cm_oc	cbc	bcmfgcm	cmm_o
Spurn Head	bc	c	co	c
Catterick	cwc	c	cbcc	cwc
Tynemouth	c	c	cbc	bcc
St. Abbs Head	cbcc	c	cbc	bcc
Leuchars	cy	cyc	cbcw	cbwc
Renfrew (Abbots I.)	bcc	cbc	bccbcc	cw
Eskdalemuir	ir_oc	c	cbc	bcwc
Point of Ayre	c	c	cbcc	cr_or_o
Tiree	cbc	cbc	c	c
Stornoway	cpr_o	cpr_o	cd_o	cpr_o
Dalwhinnie	cprbc	bcc		c
Aberdeen	$ccir_o$	cpr_oc	cbc	bcc
Wick	cbc	bc	bcc	c
Lerwick	ctr	cpr	cpr	c
Blacksod Point	cc	cc	o	pr_o
Malin Head	c	c	c	c
Aldergrove	t,pr_ocy	$cypr_oc$	ccr_o	$cr_or_om_oc$
Birr Castle	cy	cy	cbc	c
Valentia Obsy. †	ir_opr_ocbcy	bcvcv	cv	$dvdid_o$
Roches Point	bcc	c	c	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

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

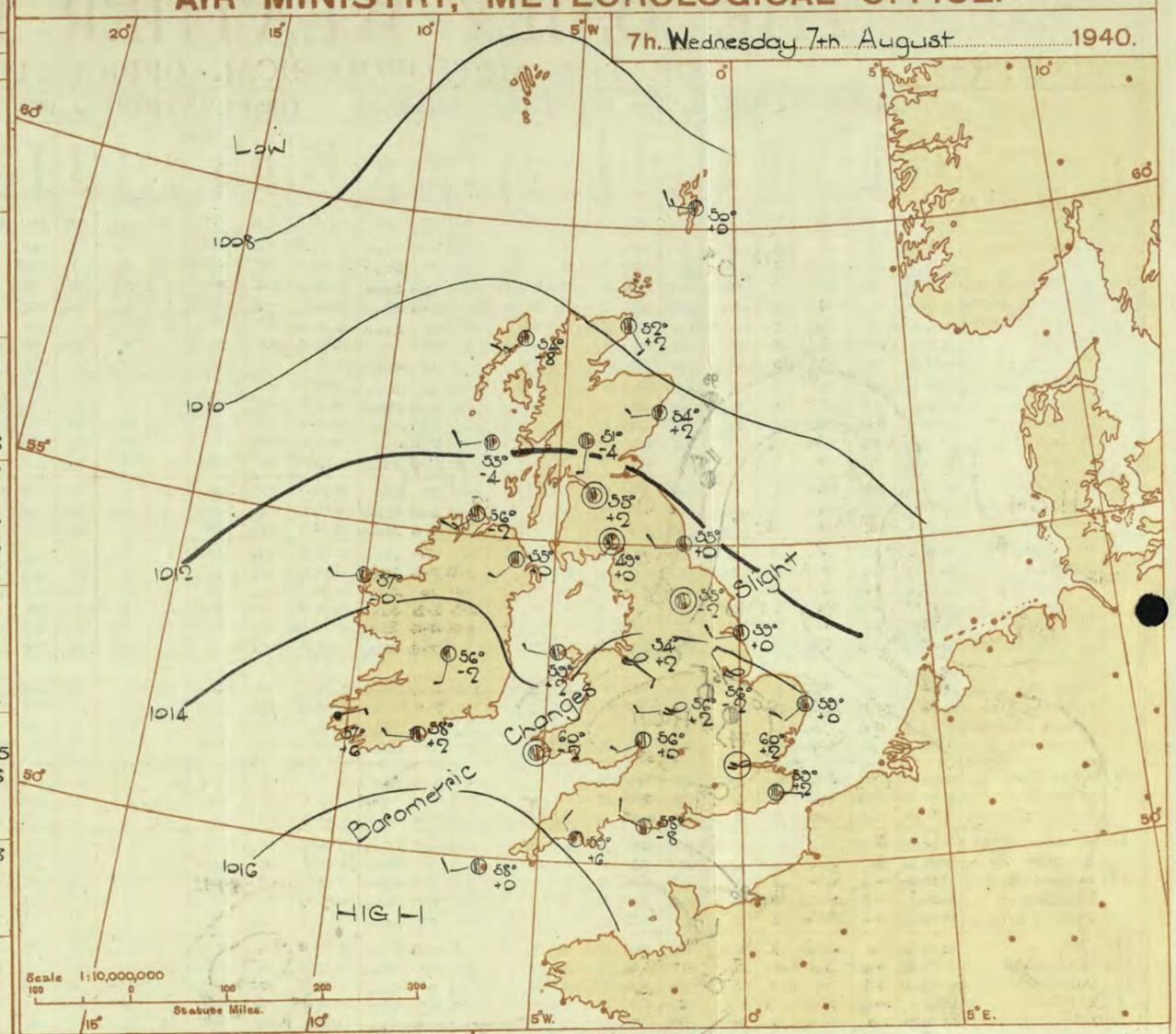
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 7th August 1940.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 6th August			18h. G.M.T.			01h. G.M.T. 7th August			07h. G.M.T.		
III	$C_L C_M$	$ww V h N_h$	DDFWN	$C_L C_M$	$ww V h N_h$	DDFWN	$C_L C_M$	$ww V h N_h$	DDFWN	$C_L C_M$	$ww V h N_h$	DDFWN
109	97	01954	59584	86	02845	25415	5-	22645	23115			
115	71	01863	22584	52	02954	26425	85	02754	22387	52	02854	21327
203												
206	83	01954	24225				5-	02958	22328	57	02965	20125
210	8-	01954	26414	8-	02955	26425				84	02956	22327
220				73	01953	25204				52	51644	23128
230	83	02955	24326	7-	02957	28327	52	02858	00028	87	25965	18187
245	83	02964	24327	83	02955	09380	5-	02886	24116			
260				23	01863	24315						
277	8-	02956	29226	87	02953	27325	52	61656	27168	54	22765	06167
279												
285	8-	02747	24527							5-	03848	26228
288	87	02754	26326				54	01764	18214	51	02865	18226
273	96	01762	23414							56	05653	18106
301	13	02753	28327	23	02853	26325	53	02765	27327	57	61656	22368
321	53	05676	30427	53	05674	25325	57	05663	24214	07	05590	23127
299				57	05644	18215	5-	05648	20218	57	01754	00014
292	83	02856	30118	73	02854	26266	47	01862	00014	57	05664	00026
310	--	02636	32326	--	01635	32315				--	02636	26326
316	86	05664	30125	8-	05667	26227				07	05590	24127
333	53	01843	30324	83	01952	30325	53	02876	26128	58	02854	00027
334	--	02855	28328		02865	00027				--	02874	00027
340	8-	02947	32227	83	01853	30315	50	01763	00003	57	02865	16117
136	13	01863	14214	03	01870	04114	57	02774	17226	04	05690	20116
336	--	03854	28428		02853	28425				--	02852	28416
350				20	05654	24114				03	05690	20115
368							5-	01765	32125	03	02790	28225
379	10	05655	32315	10	05664	32115				53	05665	02228
390	45	05615	29312	10	05663	32313	50	05562	00002	57	05554	3128-
382	1-	02760	28116	5-	01665	30125	50	05664	30124	57	05673	00028
438	5-	03638	09228							5-	03628	09228
430	23	05764	02215	46	05764	32316	00	05690	32115	53	05565	32128
409	14	00851	324d	13	01854	29314	5-	02747	30217	53	02853	18127

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



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 7th August 1940
1 S.E. England 2 E. England ...	Light westerly or variable winds; occasional heavy showers today perhaps with thunder; fair tomorrow; average temperature.
3 E. Midlands ...	Light southwest to west winds; fair; average temperature.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Light west wind, backing southwest; fair today, occasional rain or drizzle tomorrow; average temperature.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 {A. W. Scotld. B.N.W.Scotland.} 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Light or moderate southwesterly wind; partly cloudy; occasional rain or drizzle later, followed by bright periods and showers; rather cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light south to southwest wind, veering west later; occasional slight rain or drizzle today; bright intervals and showers tomorrow; average temperature, becoming cooler.

GENERAL INFERENCE.

A feeble ridge of high pressure covers the British Isles and is giving way slowly. A depression over southern Iceland and an associated trough to the south are both moving eastwards. Some heavy showers perhaps with thunder are likely in eastern England today; elsewhere weather will be mainly fair at first, but a period of rain or drizzle followed by brighter conditions will spread to all districts except the southeast.

FURTHER OUTLOOK.

Unsettled.

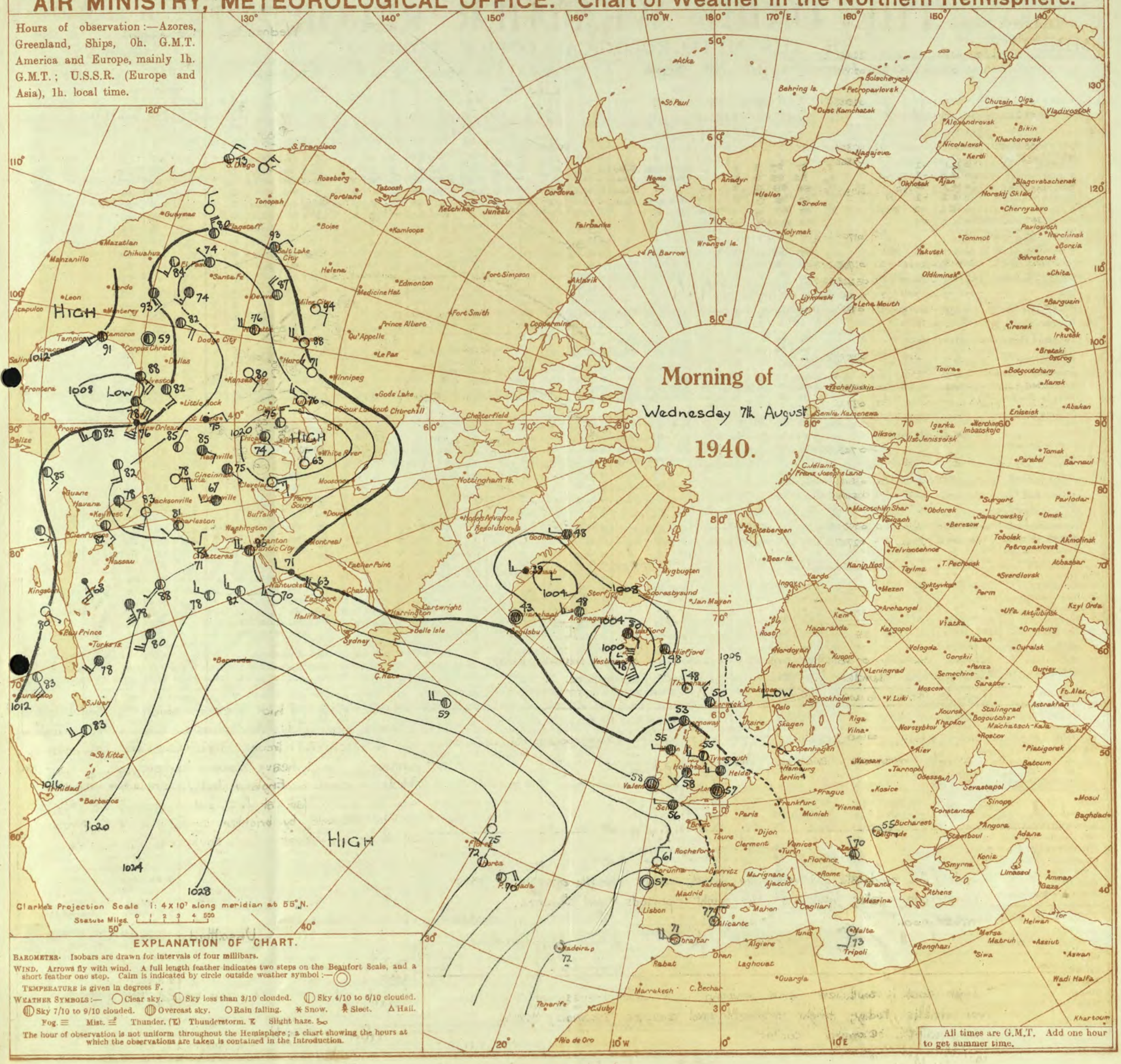
Forecasts issued at 10.30 h.

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

H.M.S.O. Press, Cornwall House, S.E.1.
C.64/5990 m. 8045. 6. 3705. G. 548. 15803. E/40

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

Hours of observation :—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

7th August, 1940.

No. 28,747.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	10 14.1	-2	–	0	Z_0	57	97	5	5	-	-	4-6	4-6	5700
	S. Farnborough	226	10 14.5	-2	W	1	Z_0	56	85	6	5	-	-	7-8	7-8	5000
	Boscombe Down	417	10 14.7	-4	–	0	Z_0	56	86	6	5	-	-	1	1	3500
	Calshot (Sthmtn.)	8	10 14.2	-2	N	3	Z_0	62	75	6	5	-	-	4-6	4-6	5000
	Lympne ...	346	10 15.2	-2	ESE	2	Z_0	55	97	6	-	-	-	0	0	–
	Manston ...	154	10 14.2	-2	–	0	Z_0	54	97	5	-	-	-	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	10 14.2	-2	SSE	1	Z_0	59	85	6	-	3	-	0	2-3	–
	Gorleston ...	5	10 14.5	0	–	0	c	58	85	6	5	-	-	10	10	1500
	Mildenhall ...	19	10 14.1	0	SW'S	1	c/r	60	85	7	5	7	-	7-8	9+	4800
	Cranwell ...	240	10 14.5	-2	W	2	Z_0	56	88	6	-	-	-	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	10 14.9	+2	NW'N	2	Z_0	58	85	6	5	-	-	7-8	7-8	5700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10 15.9	-2	W	2	bc	59	85	8	-	4	-	4-6	4-6	5700
	Bristol ...	209	10 15.2	-2	-	0	Z_0	59	85	6	5	-	-	7-8	7-8	5700
	Portland Bill ...	32	10 13.9	-10	N	2	bc	60	92	7	5	-	-	4-6	4-6	4000
	Plymouth ...	82	10 15.9	-4	NNW	3	b	57	85	8	-	4	-	0	2-3	-
	The Lizard ...	240	10 16.5	-6	NNW	2	bc	53	97	8	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	10 17.3	-4	W'N	1	c	56	85	7	5	-	-	7-8	7-8	2500
	Guernsey ...	175														
6	Pembroke ...	142	10 15.3	-4	–	0	bc	59	92	8	8	-	-	4-6	4-6	1500
7	Holyhead ...	26	10 14.4	-10	SW'W	3	c	58	85	8	8	7	-	2-3	9+	2500
	Chester (Sealand)	16	10 15.2	+6	–	0	Z_0	52	92	5	5	-	-	9	9	7200
8	Manchester ...	70	10 15.1	0	S'W	1	m	53	97	4	5	3	-	4-6	9+	3000
10	Spurn Head ...	29	10 13.6	0	W'N	3	0	59	85	6	5	-	-	10	10	2500
	Catterick ...	175	10 14.1	-2	-	0	c	53	92	8	5	3	-	7-8	9	4000
	Tynemouth ...	108	10 14.4	0	W	3	bc	55	76	6	2	4	-	2-3	4-6	2500
11	St. Abbs Head	280	10 12.4	-2	WNW	3	bc	56	65	8	4	4	-	2-3	4-6	1500
	Leuchars ...	36	10 12.6	-4	SW	2	bc	52	85	8	4	-	-	4-6	4-6	4000
12	Renfrew (Abbots I.)	19	10 13.8	-2	–	0	c	51	92	8	5	-	-	9	9	5700
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	10 14.5	-4	W	1	c	53	92	8	5	-	-	7-8	7-8	2500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	10 12.4	-6	WSW	3	c	53	92	7	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	10 10.6	-4	WSW	3	c	52	85	7	5	7	-	7-8	10	1500
16	Lerwick ...	156	10 09.9	+2	NNW	3	c	50	92	8	8	7	-	7-8	9+	800
17	Blacksod Point	18	10 14.5	-10	–	0	0	57	85	7	5	-	-	10	10	4150
18	Malin Head ...	84	10 14.2	-6	W'N	1	c	55	75	7	9	-	-	7-8	7-8	4000
	Aldergrove ...	268	10 14.4	-6	–	0	ir_0	54	92	7	-	2	-	10	10	1500
19	Birr Castle ...	173	10 15.9	-4	W	1	bc	54	85	8	5	-	-	4-6	4-6	2500
20	Valentia Obsy.	30	10 16.1	-14	–	0	c	58	85	9	5	7	-	9	10	2600
	Roches Point	22	10 16.0	-8	NW'W	3	c	59	85	8	5	-	-	7-8	7-8	1500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	10 14.2	+2	–	0	Z_0	60	85	5	5	1	-	2-3	10	4000	0	*
	Croydon ...	10 14.2	+2	–	0	Z_0	60	92	6	5	7	-	4-6	10	5700	0	*
	S. Farnborough	10 14.1	0	–	0	Z_0	57	85	6	5	7	-	4-6	9+	4000	0	*
	Boscombe Down	10 14.8	+4	–	0	Z_0	55	92	6	-	7	-	0	7-8	–	0	*
	Calshot (Sthmtn.)	10 14.2	+2	N'E	2	Z_0	61	85	6	5	7	-	4-6	9+	7200	0	0
	Lympne ...	10 15.2	+2	ESE	1	c	59	92	7	5	3	-	2-3	9+	5700	0	§1
	Manston ...	10 14.3	-4	SW	1	Z_0	59	97	5	5	7	6	1	9	5700	0	*
2	Shoeburyness ...	10 14.5	+2	–	0	c	60	92	6	-	9	-	0	9	–	0	*
	Felixstowe ...	10 14.7	+6	NW	1	Z_0	60	92	6	5	7	-	7-8	9+	5000	0	0
	Gorleston ...	10 14.3	0	SW	2	c	59	85	6	5	-	-	9	9	2500	0	1
	Mildenhall ...	10 13.9	+4	W'N	1	Z_0	57	92	6	-	7	-	0	10	–	0	*
	Cranwell ...	10 14.1	-2	NW	1	Z_0	56	85	6	-	7	-	0	9+	–	0	*
3	Birmingham ...	10 14.6	+2	W	1	Z_0	56	75	5	-	7	-	0	9+	–	0	*
	Upper Heyford	10 15.0	+6	NW	2	Z_0	59	85	6	5	3	-	4-6	9+	5000	0	*
4	Ross-on-Wye	10 14.9	0	W'S	1	c	56	92	8	5	3	9	4-6	7-8	4000	0	*
5	Hartland Point																
	Bristol ...	10 15.4	+8	-	0	c	59	85	7	5	3	9	4-6	7-8	5700	0	*
	Portland Bill ...	10 14.6	-8	NW	2	c	58	85	7	5	7	-	9	10	4000	0	2
	Plymouth ...	10 15.4	+6	NW	2	c	59	76	8	7	7	4	4-6	9+	3500	0	1
	The Lizard ...	10 16.3	-2	W'N	2	c	58	92	8	8	2	-	9	10	2000	0	2
	Scilly (St. Mary's)	10 16.0	0	WSW	2	c jp	58	85	8	8	7	-	4-6	9+	1500	0	1
	Guernsey ...																
6	Pembroke ...	10 14.7	-2	–	0	c	60	97	8	8	6	-	4-6	7-8	2500	0	1
7	Holyhead ...	10 13.7	+2	W'N	1	c	59	92	7	5	3	-	4-6	9+	3500	0	1
	Chester (Sealand)	10 14.8	+2	SE	1	Z_0	54	85	6	5	3	-	2-3	10	3000	1	*
8	Manchester ...	10 14.2	-2	S'E	1	Z_0	55	92	5	5	7	-	9	10	6500	0	*
10	Spurn Head ...	10 13.3	0	W	2	c	59	85	6	5	5	-	7-8	9	2500	0	1
	Catterick ...	10 13.3	-2	–	0	c	55	85	8	5	7	-	2-3	9	5700	0	*
	Tynemouth ...	10 13.5	0	W	2	c	55	86	6	8	-	-	7-8	7-8	4000	0	1
11	St. Abbs Head	10 12.1	+2	NW	3	c	55	65	8	5	2	-	9	10	2500	0	2
	Leuchars ...	10 12.0	0	W	2	c	52	76	8	5	-	-	9+	9+	4000	0	*
12	Renfrew (Abbots I.)	10 12.9	+2	–	0	c	55	85	8	5	3	-	7-8	9+	4500	0	*
	Eskdalemuir ...	10 13.0	0	–	0	c	49	92	8	5	7	-	4-6	10	2500	0	*
	Point of Ayre ...	10 13.8	0	W'N	1	r_0r_0	54	97	8	-	2	-	10	10	4000	1	1
13A	Tiree ...	10 11.3	-4	WSW	2	c	55	86	8	5	-	-	9+	9+	2500	0	2
13B	Stornoway ...	10 11.3	-8	SW	3	c	54	97	8	5	7	-	7-8	9+	2500	1	2
15	Dalwhinnie ...	10 11.5	-4	SSW	1	c	51	75	8	6	-	-	7-8	10	1500	1	*
	Aberdeen ...	10 11.3	+2	W	1	c	54	76	8	5	-	-	9+	9+	4000	0	1
	Wick ...	10 09.9	+2	SE	1	c	52	92	9	5	7	-	7-8	9+	2500	0	1
16	Lerwick ...	10 09.6	0	W'N	3	c	50	75	8	5	7	-	4-6	7-8	1500	0	*
17	Blacksod Point	10 13.4	0	WSW	1	bc	57	92	8	3	5	-	2-3	4-6	1500	1	1
18	Malin Head ...	10 12.7	-2	SW	3	c	56	75	8	5	-	-	7-8	7-8	5700	0	2
	Aldergrove ...	10 13.4	0	SW	1	c	55	85	8	5	-	-	10	10	4000	1	*
19	Birr Castle ...	10 14.8	-2	SSW	1	c	56	85	8	5	-	-	9+	9+	2500	0	*
20	Valentia Obsy.	10 15.4	+6	ENE	1	id_0	57	92	8	5	2	-	7-8	10	1500	0	2
	Roches Point	10 15.2	+2	WNW	1	c	58	85	8	5	-	-	9	9	1500	0	1

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 6th Hrs. (36)
1	London (Kew)	72	57	47	-	-	9.5
	Croydon ...	74	56	49	-	-	7.6
	S. Farnborough	74	54	49	-	-	8.7
	Boscombe Down	70	53	48	-	-	9.5
	Calshot (Sthmtn.)	73	59	57	-	-	4.2
	Lympne ...	71	53	46	-	-	2.3
	Manston ...	68	51	43	-	-	3.0
2	Shoeburyness ...	70	54	48	-	-	6.4
	Felixstowe ...	70	55	49	-	-	7.5
	Gorleston ...	65	57	56	-	-	4.6
	Mildenhall ...	72	55	53	-	-	10.3
	Cranwell ...	72	51	48	-	-	7.1
3	Birmingham ...	68	54	46	-	-	7.5
	Upper Heyford	72	54	51	-	-	*
4	Ross-on-Wye	71	54	50	-	-	8.3
5	Hartland Point				-		
	Bristol ...	70	54	46	-	-	10.0
	Portland Bill ...	66	56	*	-	-	*
	Plymouth ...	71	56	53	-	-	11.3
	The Lizard ...	72	53	*	-	-	12.0
	Scilly (St. Mary's)	67	55	*	-	-	7.0
	Guernsey ...						
6	Pembroke ...	66	56	*	-	-	9.4
7	Holyhead ...	63	57	53	-	-	2.3
	Chester (Sealand)	66	51	43	-	-	4.4
8	Manchester ...	66	48	41	-	-	2.7
10	Spurn Head ...	68	56	*	-	-	7.0
	Catterick ...	68	52	44	-	-	2.6
	Tynemouth ...	67	53	51	-	-	*
11	St. Abbs Head	62	53	*	-	-	*
	Leuchars ...	66	48	40	-	-	3.9
12	Renfrew (Abbots I.)	65	50	44	-	-	1.7
	Eskdalemuir ...	63	45	41	0.1	-	1.0
	Point of Ayre ...	68	52	*	-	2	2.4
13A	Tiree ...	61	51	*	-	-	3.3
13B	Stornoway ...	58	51	*	0.1	0.2	3.8
15	Dalwhinnie ...	61	45	43	Tr	-	4.5
	Aberdeen ...	64	47	39	0.1	-	2.3
	Wick ...	61	50	*	-	-	*
16	Lerwick ...	57	46	*	2	Tr	*
17	Blacksod Point	64	59	*	0.2	1	*
18	Malin Head ...	62	51	*	Tr	Tr	3.7
	Aldergrove ...	67	52	52	Tr	0.3	2.3
19	Birr Castle ...	69	51	47	-	-	1.6
20	Valentia Obsy.	65	56	54	Tr	Tr	5.0
	Roches Point	67	56	*	-	-	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew ...	18	cz_0 bbcy	bcby	bcm$_0$w	72	57	47	-	-	9.5	•	•	5
Croydon ...	217	cz_0 bz_0 bcy	byb	bcyc bm$_0$w	74	56	49	-	-	7.6	•	•	6
Greenwich (Royal Observatory) ...	149	cbcy	cby	bcwm	74	55	46	-	-	7.6	48	81	4
City (Bunhill Row) ...	—	•	•	•	•	•	•	•	•		•	•	•
Westminster (St. James' Park) ...	27	•	•	•	76	59	56			8.6	60	77	•
Regents Pk. (Botanic Gardens)‡ ...	168	•	•	•	75	58	53	-	-		57	71	•
Camden Square ...	110	bc	bc	•	75	59	53	-	-	•	•	70	•
Kensington ...	80	bc	bc	•	75	59	52	-	-		49	70	•
Hampstead Observatory ...	450	bc	b	bcm	72	56	52	-	-		•	79	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 7th

South Kensington.

Max.	Time.	Min.	Time.

Kew Observatory.

Max.	Time.	Min.	Time.
0.1	3-7hrs <0.1 7th	Rest of Period.	

FOREIGN OBSERVATIONS.

18h. G.M.T. 6th August — 7h. G.M.T. 7th August

Stations	18h. Barom. mb.	18h. Wind Direc.	18h. Wind Force	18h. Weather	18h. Temp. °F.	7h. Barom. mb.	7h. Wind Direc.	7h. Wind Force	7h. Weather	7h. Temp. °F.	Past 24 Hours Max. Day °F.	Past 24 Hours Min. Night °F.	Past 24 Hours Rainfall Day mm.	Past 24 Hours Rainfall Night mm.
Paris ...														
Brussels ...														
Berlin ...														
Zürich ...														
Rome ...											•	•		

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptious.
4 Rough.	9 Confused.

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

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

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Thursday 8th August, 1940.

No. 28749

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1014·1	-2	NW'N	2	ir$_o$	68	55	6	5	1	-	7-8	10	2500
	Croydon	1013·6	-4	S	2	z$_o$	68	75	6	9	7	-	7-8	10	5000
	S. Farnborough	1013·9	-2	WNW	2	c	70	55	7	7	1	8	4-6	7-8	4000
	Boscombe Down	1014·1	-4	WNW	1	z$_o$	67	55	7	8	7	-	4-6	7-8	2500
	Calshot (Soton.)	1014·2	-2	SW	3	z$_o$	62	65	6	2	7	-	4-6	9+	3500
	Lympne	1015·5	0	SSE	1	c	60	85	8	5	-	-	10	10	5700
	Manston	1014·3	-4	S'E	3	z$_o$	63	85	6	5	7	-	4-6	10	5000
2	Shoeburyness	1014·2	-4	SE	1	c	67	75	8	5	9	-	7-8	10	5700
	Felixstowe	1014·7	0	S'E	2	c	66	75	7	9	2	-	4-6	10	3000
	Gorleston	1013·9	-2	WSW	2	c	70	55	6	5	-	-	9	9	2500
	Mildenhall	1013·7	-4	NW	1	c	70	45	8	1	7	-	1	9+	3000
	Cranwell	1013·4	-8	SW	1	c	71	45	7	2	7	5	2-3	7-8	3000
3	Birmingham	1013·7	-4	WSW	3	c	67	45	8	7	7	-	2-3	7-8	4000
	Upper Heyford	1014·1	-6	NNW	3	c	68	55	8	7	7	9	4-6	9	4000
4	Ross-on-Wye	1014·0	-6	SSW	2	bc	67	65	8	1	9	-	2-3	4-6	4000
5	Hartland Point	1015·3	0	W	3	bc	65	75	9	2	4	-	2-3	2-3	2500
	Bristol	1014·7	-6	WNW	2	c	70	55	8	2	6	-	4-6	7-8	3000
	Portland Bill	1015·0	+2	W	2	c	63	85	7	5	4	-	4-6	7-8	4000
	Plymouth	1015·4	0	SW	3	c	67	75	8	1	7	1	4-6	7-8	2500
	The Lizard	1016·5	+4	W'S	3	bc	67	75	8	8	6	-	4-6	4-6	3500
	Scilly (St. Mary's)	1016·7	+2	W'S	2	c	67	65	8	8	7	-	4-6	9	1500
	Guernsey														
6	Pembroke	1015·5	-6	WNW	2	c	64	85	8	2	6	1	2-3	7-8	2500
7	Holyhead	1013·6	-4	NW'W	3	bc	61	65	8	8	3	5	2-3	2-3	3000
	Chester (Sealand)	1014·0	-6	NW	4	c/pr	62	75	7	8	3	-	7-8	9+	3500
8	Manchester	1013·3	-8	W	2	c	65	65	7	8	3	-	4-6	9+	3500
10	Spurn Head	1012·9	-2	SE'E	3	c	62	75	7	5	-	-	7-8	7-8	1500
	Catterick	1012·6	-6	WNW	2	c/pr	63	65	8	8	7	-	4-6	10	3000
	Tynemouth	1012·7	-6	W	3	c	64	55	7	2	3	1	4-6	7-8	4000
11	St. Abbs Head	1011·3	-6	SE	2	c	58	75	9	5	2	-	7-8	10	1500
	Leuchars	1010·7	-6	SW	2	c	61	65	8	8	3	-	7-8	10	2500
12	Renfrew (Abbots I.)	1011·9	-2	WSW	3	c	60	75	8	5	7	-	4-6	10	2500
	Eskdalemuir	1011·4	-6	SW'W	3	c	59	65	8	5	3	-	7-8	9	2500
	Point of Ayre	1013·2	-4	WNW	3	c	66	65	8	1	4	5	Tr	7-8	4000
13A	Tiree	1009·8	-4	SW'S	2	c	59	85	8	5	-	-	9	9	2500
13B	Stornoway	1008·6	-10	SW	4	pr	55	97	8	-	2	-	7-8	7-8	1500
15	Dalwhinnie	1009·6	-6	SSW	2	c	55	75	7	4	1	-	7-8	10	1500
	Aberdeen	1009·7	-10	S	3	c	61	55	8	8	3	-	4-6	9	4000
	Wick	1008·6	-10	S	3	c	56	85	8	5	7	8	7-8	9+	2500
16	Lerwick	1008·5	-8	W'S	2	c	55	75	8	5	3	9	4-6	7-8	1500
17	Blacksod Point	1013·1	0	W	3	c	62	75	8	8	-	-	10	10	1500
18	Malin Head	1011·2	-10	W	3	c	61	75	8	5	-	3	4-6	7-8	4000
	Aldergrove	1012·0	-10	SW'S	3	c	62	65	8	8	-	6	9+	9+	2500
19	Birr Castle	1014·0	-2	WSW	1	c	63	75	8	5	1	-	7-8	10	2500
20	Valentia Obsy. †	1015·8	+2	WNW	3	bc	64	75	9	8	-	4	2-3	4-6	2500
	Roches Point	1014·8	-2	S'W	2	c	64	75	9	8	-	-	7-8	7-8	2500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	1013·3	-2	NW'N	2	c	72	45	7	5	-	-	7-8	7-8	2500	0	*
	Croydon	1013·4	-2	SSW	2	z$_o$	68	65	6	2	3	-	4-6	9+	5700	0	*
	S. Farnborough	1013·2	-2	W'S	3	z$_o$	70	45	7	7	6	-	2-3	2-3	4000	0	*
	Boscombe Down	1014·0	0	NW'N	3	bc	67	55	8	8	7	1	4-6	4-6	3500	0	*
	Calshot (Soton.)	1013·9	-2	WSW	3	bc	70	65	7	2	3	-	1	4-6	3500	0	2
	Lympne	1014·7	-4	SW	2	c	64	85	8	1	3	-	Tr	7-8	1000	0	§ 1
	Manston	1013·8	-2	SW	3	z$_o$	66	75	6	5	3	-	4-6	9	4500	0	*
2	Shoeburyness	1013·8	-2	SSE	1	c	65	85	6	5	9	-	9	9+	4000	1	*
	Felixstowe	1013·6	-6	S	2	c	64	85	7	8	7	-	4-6	9+	3500	0	1
	Gorleston	1013·7	-2	SE'S	1	c	65	85	6	8	-	-	7-8	7-8	1500	0	2
	Mildenhall	1012·7	-6	—	0	bc	70	55	8	8	6	-	4-6	4-6	3000	0	*
	Cranwell	1012·8	-4	SW	2	c	67	55	7	5	-	-	9+	9+	2500	0	*
3	Birmingham	1013·1	0	WNW	3	c	67	55	8	5	7	-	4-6	9	2500	0	*
	Upper Heyford	1013·3	-2'	W	2	c	70	55	8	2	3	6	2-3	7-8	4500	0	*
4	Ross-on-Wye	1014·1	0	W'N	3	bc	66	65	8	2	4	2	2-3	4-6	4000	0	*
5	Hartland Point	1015·6	+2	W	3	bc	64	85	9	3	4	5	2-3	2-3	2500	0	2
	Bristol	1014·5	-2	WNW	3	bc	66	65	8	8	4	3	Tr	4-6	3000	0	*
	Portland Bill	1014·8	+2	WSW	3	c	62	85	8	5	4	-	4-6	7-8	4000	0	2
	Plymouth	1015·5	-2	W	4	c	66	65	8	7	6	1	4-6	7-8	3000	0	2
	The Lizard	1016·9	0	W'N	3	c	61	85	8	8	6	-	7-8	9	2500	0	2
	Scilly (St. Mary's)	1017·1	+2	WNW	2	c	62	75	8	8	7	-	4-6	9+	2500	0	0
	Guernsey																
6	Pembroke	1015·4	0	W'S	3	c	63	85	9	7	4	4	2-3	7-8	1500	0	1
7	Holyhead	1013·2	-2	SSW	3	c	59	75	9	8	4	-	9	9+	3000	0	2
	Chester (Sealand)	1014·0	-2	NW	1	c	61	75	8	5	3	1	2-3	7-8	4500	0	*
8	Manchester	1013·4	+2	W'S	3	c	62	65	8	5	3	-	4-6	9	3800	0	*
10	Spurn Head	1012·0	-4	N	2	c	62	85	7	5	-	-	7-8	7-8	1500	0	1
	Catterick	1012·0	-10	W'N	2	c	61	75	8	5	7	-	4-6	9+	2500	0	
	Tynemouth	1012·1	-8	W	3	c	64	55	7	8	-	-	9+	9+	4000	0	1
11	St. Abbs Head	1009·9	-6	W	2	c	59	65	8	8	6	-	7-8	9+	2500	0	1
	Leuchars	1009·0	-12	SW	4	c	60	65	7	8	3	-	7-8	10	2800	0	*
12	Renfrew (Abbots I.)	1010·2	-12	SW	2	ir$_o$	59	75	8	5	7	-	4-6	10	1400	0	*
	Eskdalemuir	1010·8	-6	SW'W	3	c	56	85	8	5	-	-	10	10	1500	0	*
	Point of Ayre	1012·0	-4	WSW	3	c	61	75	8	6	2	-	7-8	10	2500	0	2
13A	Tiree	1006·9	-10	SW'S	4	rr	57	97	6	-	2	-	10	10	1500	1	4
13B	Stornoway	1004·0	-26	SW	6	rr	55	97	7	5	2	-	7-8	10	1500	1	3
15	Dalwhinnie	1008·5	-8	SW	2	c	54	75	7	5	-	-	10	10	1500	1	*
	Aberdeen	1008·0	-10	WSW	3	c	60	65	8	4	7	-	9	10	4000	0	1
	Wick	1006·6	-10	SSW	3	c/pr	55	85	8	5	7	-	7-8	10	1500	1	1
16	Lerwick	1007·1	-8	S	4	c	53	92	8	8	7	-	4-6	7-8	1500	0	*
17	Blacksod Point	1012·4	-2	WSW	3	pr	59	92	7	6	-	-	10	10	<150	1	3
18	Malin Head	1009·8	-10	WSW	4	PR	57	85	8	6	-	-	9+	9+	4000	0	3
	Aldergrove	1011·2	-4	W'S	3	ir$_o$	62	65	8	8	7	-	1	9+	2500	1	*
19	Birr Castle	1013·6	0	WSW	2	c	65	65	8	8	7	-	7-8	9+	1500	0	*
20	Valentia Obsy. †	1016·1	0	W'N	3	c	63	85	8	8	7	-	7-8	9+	1500	0	2
	Roches Point	1014·5	-2	SW	3	c	65	75	9	8	-	-	9	9	1500	0	2

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 7th. (37)	Weather 13h.—18h. 7th. (38)	Weather 18h. 7th to 1h. 8th. (39)	Weather 1h.—7h. 8th. (40)
1	London (Kew)	cm$_o$ciz$_o$y	cz$_o$bcy	bcyb	bbccw
	Croydon	cm$_o$⊕z$_o$	p$_o$qcz$_o$	cm$_o$, bm$_o$w	bcwbc⊕
	S. Farnborough	cm$_o$	cybcz$_o$	bcyz$_o$b	bbcwcw
	Boscombe Down	cm$_o$	bcz$_o$cy	bcbm$_o$	bcm$_o$
	Calshot (Soton.)	cm$_o$	cm$_o$bc	bcb	bcwbc
	Lympne	c	c	bcm$_o$w	bcm$_o$wc
	Manston	cm$_o$	cm$_o$		bm$_o$bcm
2	Shoeburyness	cm$_o$c	cprc	cbm$_o$, bm	bm$_o$cm$_o$w
	Felixstowe	cm$_o$cir$_o$c	ccpr$_o$c	cbm$_o$w	bm$_o$wcm$_o$
	Gorleston	cy	cpr$_o$c	cbccz$_o$w	cwc
	Mildenhall	cm$_o$cy	cypr$_o$cbc	cbcm$_o$bz	bz$_o$cm$_o$cw
	Cranwell	cm$_o$bcy	bcycy	cybccm$_o$	bcm$_o$c
3	Birmingham	cbcc	cbcc	cbc	bcc
	Upper Heyford	cm$_o$c	c	cbcb	bccm$_o$
4	Ross-on-Wye	cbcc	bccp$_o$c	bcb	bbcc
5	Hartland Point	cbc	bccbc	bccbc	bccd
	Bristol	cbcy	bccbc	bccbcbw	bcwd$_o$
	Portland Bill	c	bcc	bc	c
	Plymouth	cbc	bcc	cbccbm$_o$	bm$_o$wcm$_o$w
	The Lizard	cbc	bcc	bcw	cpr
	Scilly (St. Mary's)	cir$_o$c	c	cpbc	cid$_o$m
	Guernsey				
6	Pembroke	c	cv	cbc	c
7	Holyhead	cbc	cbcc	c	cdm$_o$rc
	Chester (Sealand)	cm$_o$pr$_o$c	cybc	cm$_o$c	dddd$_o$m
8	Manchester	cm$_o$r$_o$	cr$_o$c	cz$_o$m$_o$ir$_o$	cm$_o$ir$_o$r$_o$c
10	Spurn Head	c	cz$_o$o	bco	co
	Catterick	cprc	cbcc	cir$_o$c	cir$_o$d$_o$c
	Tynemouth	c	c	coir$_o$	oiroc
11	St. Abbs Head	c	c	ir$_o$c	bcc
	Leuchars	c	c	cid$_o$iRgm	cm$_o$bcc
12	Renfrew (Abbots I.)	cwid$_o$c	cir$_o$	cr$_o$r$_o$rc	c
	Eskdalemuir	c	c	cirm$_o$	crroc
	Point of Ayre	c	c	cprc	c
13A	Tiree	c	odrdr	orrc	cir
13B	Stornoway	cpr	crr	crr	cpr
15	Dalwhinnie	c	cir$_o$o	•	cir$_o$
	Aberdeen	cbccy	cyc	circ	cbcb
	Wick	c	cpr$_o$c	r$_o$rc	cbc
16	Lerwick	cbcc	c	cprrr	cprir
17	Blacksod Point	c	pr$_o$	c	c
18	Malin Head	c	cpr$_o$cpr$_o$c	c	cjpcprc
	Aldergrove	c	ccir$_o$	cir$_o$crc	ccir$_o$
19	Birr Castle	c	c	cir	c
20	Valentia Obsy. †	cid$_o$cbcv	bcvc	cbcwid$_o$	id$_o$cbcb
	Roches Point	c	c	bc	cbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

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

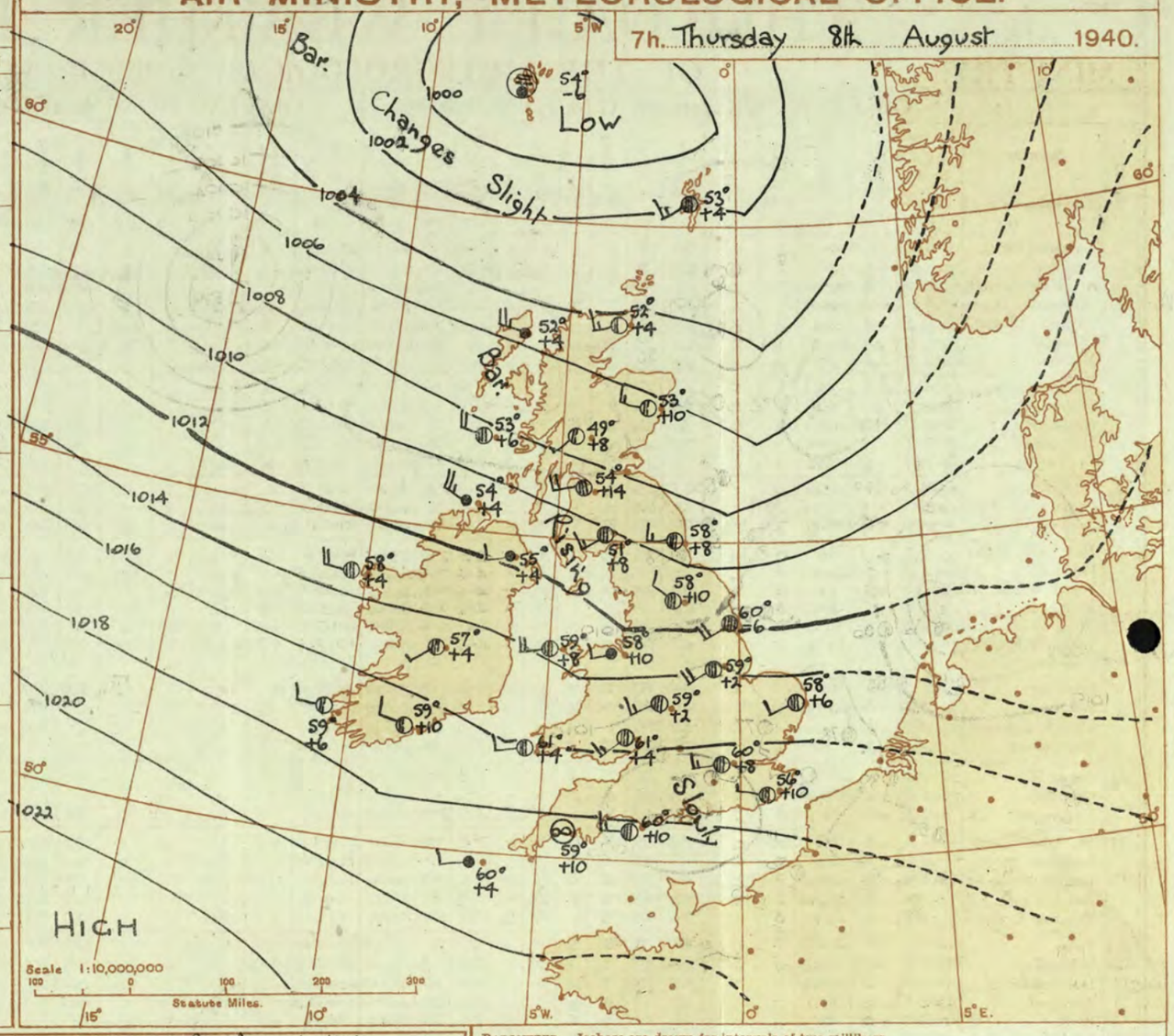
Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 7th August			18h. G.M.T.			01h. G.M.T. 8th August			07h. G.M.T.		
IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
10977	02855	19217	62	61438	16268	52	02746	21268	87	10844	22584
115			82	62725	20488	51	01763	20464	56	82754	22585
203											
20687	81956	24288				6-	02964	24264	54	02964	23325
210			57	02956	23428	5-	22845	20485	84	01953	57414
22062	64724	21268	62	66526	21568				52	81845	26387
23087	10855	20388	52	62746	20368	87	81855	27386			
248-	02967	23427	8-	02967	22467	52	22855	22266	50	01972	24363
26083	02855	20317	5-	02776	21326	52	61765	20368	52	02864	22327
27820	02878	19328	52	63844	19468	52	22645	26368	57	02864	24328
279											
2858-	02847	26427	8-	02847	28627				6-	03748	24568
288			57	02864	22268	52	05655	22168	52	02864	22267
27318	01758	20504							46	53654	25485
30123	01763	13662	05	02890	24327	57	02763	24568	8-	02757	24428
3257	05663	20228	51	05664	30127	57	61584	20226			
29087	25744	24287	57	05644	10215	5-	64548	20268	52	05644	22327
29257	22665	24288	57	02864	24228	52	22765	14168	57	02865	24328
310-	01653	24315	--	02636	24326					51528	28358
31683	02764	13072	87	05654	00027	52	02655	20228	59	02673	22427
33387	01953	30224	73	02962	21325	5-	02854	57426	51	52745	22457
334--	02854	22415	--	02865	22315					54637	22458
34077	02954	24115	74	01933	24114	5-	02768	22228	57	02955	20327
1367	02852	24227	09	02790	18126						
336-	02853	32415	--	01851	28412					02853	20517
35073	02864	30227	03	02790	24125	00	05690	22100	03	05690	18327
36824	01854	23315	23	01952	24414	50	01853	24313	85	02846	24428
37073	01754	28214	53	02654	24216	00	05590	24202	57	05662	22216
390			5-	05665	00025						
38833	02763	25125	46	01763	24314	5-	05662	00002			
435-	03418	16248							56	01754	26315
43823	05663	22317	40	00761	20301	03	05690	26103	50	05641	00026
40587	02953	24314	87	02953	24327	5-	02746	21316	5-	02846	20327

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 8th August 1940.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th August 1940.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate to light westerly wind; fair; average temperature.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Moderate west or west-northwest wind, fresh at times locally; bright intervals, local showers; average temperature.
13 A. W. Scotld. B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Moderate or fresh west to northwest wind; showery, some bright intervals locally; rather cool.
17 N. W. Ireland 18 N. E. Ireland	As 7-12
19 S. E. Ireland 20 S. W. Ireland	As 0-6

GENERAL INFERENCE.

A depression over the Faeroes is moving eastward.

There will be some showers in the North, but in the South weather will be fair, after some local drizzle in the Southwest.

FURTHER OUTLOOK.

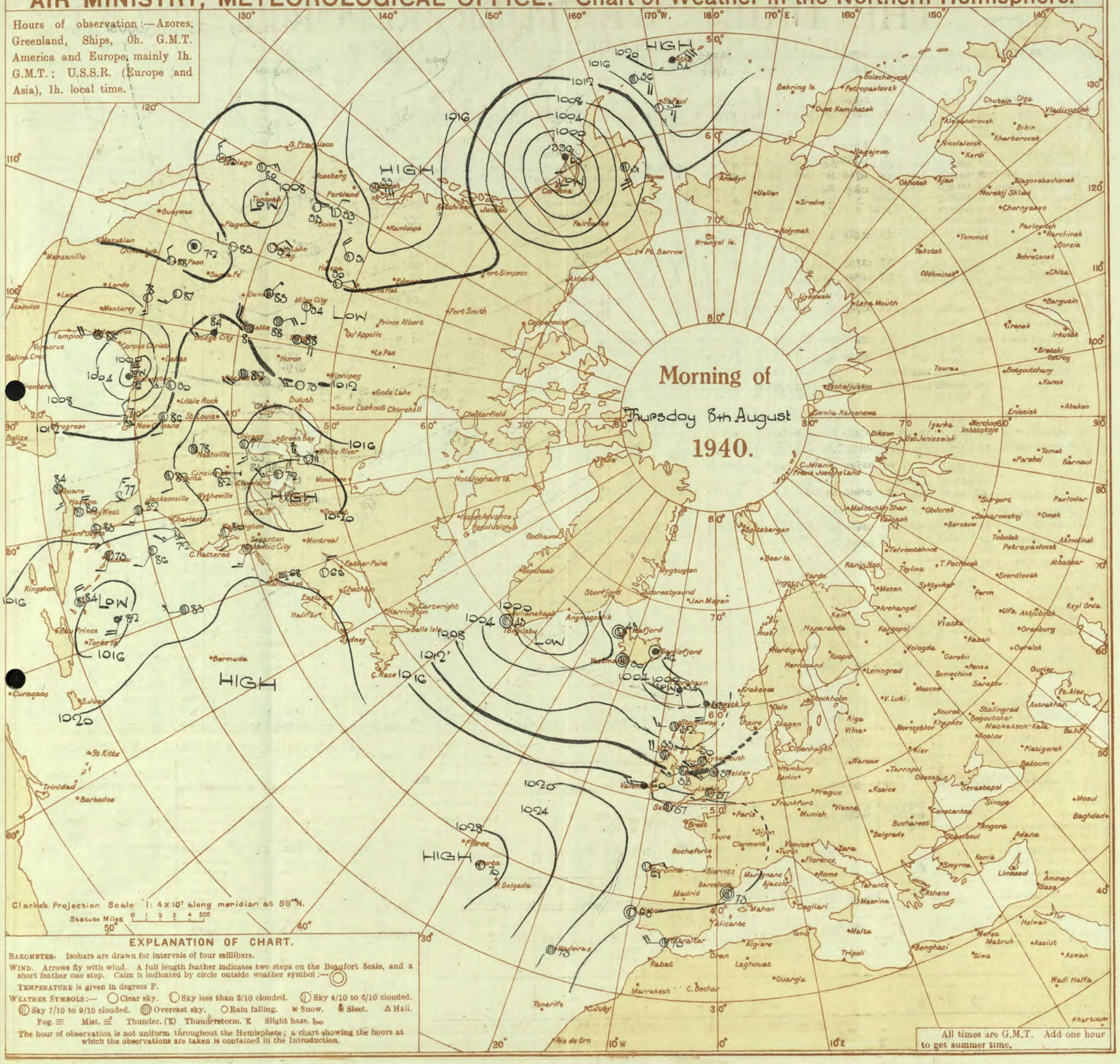
Mainly fair in the South, rather unsettled in the North.

Forecasts issued at 10.30 a.m. G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.
C.64/3993. Wt. 8049. D. 3705. Q. 948. (3803.) 8/40.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 8th. August, 1940.

No. 28749

OBSERVATIONS at 1 hr. G.M.T. 8th. August — OBSERVATIONS at 7 hr. G.M.T. 8th. August — PAST 24 HOURS.

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Med. (10)	High (11)	Amount Low 0–10 (12)	Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1015·2	+6	WSW	2	bc	57	85	7	5	-	-	2-3	2-3	3500
	S. Farnborough	226	1015·5	+6	W'S	2	b	55	85	7	5	-	-	1	1	3000
	Boscombe Down	417	1016·2	+2	W'N	3	z_0	55	92	7	-	-	-	0	0	-
	Calshot (Sthmtn.)	8	1016·0	+2	W'N	3	b	57	85	7	5	-	-	Tr	Tr	4000
	Lympne ...	346	1015·9	+4	NW'N	2	z_0	56	97	6	5	-	-	2-3	2-3	3500
	Manston ...	154														
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1014·1	+2	W'N	3	z_0	60	92	5	5	-	-	1	1	5700
	Gorleston ...	5	1013·8	-2	W'S	2	c	60	92	6	5	-	-	7-8	7-8	1600
	Mildenhall ...	19	1014·0	+6	SW'W	2	z_0	56	65	6	5	-	-	1	1	5700
	Cranwell ...	240	1013·7	-2	SW	2	z_0	56	85	5	-	7	-	0	9+	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1014·9	+2	W'S	2	b	51	92	7	-	5	-	0	1	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1016·5	+2	W	3	bc	61	92	8	3	-	5	2-3	4-6	2500
	Bristol ...	209	1015·9	-2	SSW	2	b	55	92	7	5	-	-	Tr	Tr	2500
	Portland Bill ...	32	1016·8	+8	WSW	3	bc	61	92	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	1017·6	+2	W'N	1	(z_0)	59	92	6	5	-	-	Tr	Tr	5000
	The Lizard ...	240	1018·8	0	W	2	bc	56	97	8	7	-	-	2-3	2-3	4000
	Scilly (St.Mary's)	163	1018·8	+6	W'N	2	bc	57	92	8	8	4	-	4-6	4-6	1500
	Guernsey ...	175														
6	Pembroke ...	142	1015·7	+2	W'S	4	bc	61	97	8	5	2	-	2-3	4-6	1500
7	Holyhead ...	26	1012·7	0	SW'W	3	c	59	85	8	8	-	-	9+	9+	2500
	Chester(Sealand)	16	1013·6	-6	SSE	1	c	59	75	7	5	-	-	10	10	3500
8	Manchester ...	70	1012·9	-2	SW'S	3	z_0	58	75	6	5	7	-	7-8	10	3000
10	Spurn Head ...	29	1012·6	0	SW	3	o	57	75	6	5	-	-	7-8	7-8	800
	Catterick ...	175	1010·9	-14	S'W	1	c·	56	85	7	5	7	-	4-6	10	2200
	Tynemouth ...	108	1010·5	-16	WSW	3	c	57	85	6	5	-	-	10	10	1500
11	St. Abbs Head	280	1005·9	-18	SW	4	r_0r_0	54	92	7	5	2	-	7-8	10	1500
	Leuchars ...	36	1006·3	-18	SW	3	c/r	55	92	6	5	7	-	7-8	9+	1500
12	Renfrew (Abbots I.)	19	1008·3	-6	W'S	2	c/r	54	92	7	5	-	-	7-8	7-8	2800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1010·6	-10	W	4	c	58	92	8	8	2	-	4-6	9+	1500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1005·5	+2	W	3	c	52	92	7	5	7	-	4-6	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1003·5	-12	SSW	2	c	53	97	6	5	2	-	7-8	10	1500
16	Lerwick ...	156	1004·2	-24	S	4	c/r	53	97	6	5	7	-	7-8	10	800
17	Blacksod Point	18	1013·4	+4	WNW	3	c	57	85	7	5	-	-	9+	9+	800
18	Malin Head ...	84	1010·0	+8	W'N	4	c/pr	55	85	6	9	7	-	4-6	7-8	2500
	Aldergrove ...	268	1010·9	+4	W'S	3	c	56	92	8	5	-	-	10	10	2500
19	Birr Castle ...	173	1014·1	+2	SW	1	ir	58	92	7	5	2	-	7-8	10	1500
20	Valentia Obsy.	30	1016·8	+2	W	3	id_0	60	92	8	5	-	-	10	10	2500
	Roches Point	22	1016·3	+2	W	2	bc	57	92	8	5	-	-	2-3	2-3	2500

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Med. (24)	High (25)	Amount Low 0–10 (26)	Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	Temperature Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Night 18h–7h mm. (35)	Sunshine 7th. Hrs. (36)
London (Kew)	1016·9	+10	SW	2	c	59	85	7	-	-	8	0	9	-	0	*	73	56	46	Tr	-	3·4
Croydon	1016·6	+8	WSW	3	c	60	85	7	-	3	6	0	9	-	0	*	70	54	48	Tr	-	1·0
S. Farnborough	1017·2	+10	SW	3	c	58	92	9	-	3	8	0	7-8	-	0	*	73	51	44	-	-	5·3
Boscombe Down	1017·2	+8	W'S	4	c	57	92	8	5	-	2	2-3	7-8	4000	0	*	71	51	43	-	-	2·8
Calshot (Sthmtn.)	1017·4	+6	W	3	c	59	85	8	1	7	1	Tr	7-8	2500	0	1	73	53	51	-	-	4·3
Lympne	1017·5	+10	W'N	1	c	56	85	7	-	7	6	0	9	-	0	§2	65	53	45	-	-	1·4
Manston	1016·6	+12	W	3	z_0	59	85	6	-	7	6	0	9+	-	0	*	67	55	51	-	Tr	0·8
Shoeburyness	1016·5	+14	W'S	2	c	59	85	6	-	1	6	0	7-8	-	1	*	69	55	50	3	-	0·5
Felixstowe	1015·6	+10	W	3	z_0	58	85	6	5	7	7	Tr	9	3000	0	1	67	55	52	0·1	-	0·1
Gorleston	1014·8	+6	SW	2	c	58	85	6	5	-	-	9	9	1500	0	1	69	56	54	Tr	-	2·6
Mildenhall	1014·6	+6	SW	3	c	57	85	7	5	9	9	4-6	9+	4000	0	*	73	53	47	-	-	4·1
Cranwell	1013·3	+2	SW	4	c	59	85	7	5	1	-	7-8	9+	2500	0	*	72	54	49	-	-	2·8
Birmingham	1015·5	+2	SW	3	c	59	85	8	5	4	2	1	9	4000	0	*	71	53	49	* -	-	3·5
Upper Heyford	1015·5	+6	SW	3	z_0	56	97	6	5	7	6	4-6	9+	5700	0	*	73	49	41	-	-	*
Ross-on-Wye	1015·7	+4	SW'S	3	c	61	85	7	7	-	7	4-6	9	2500	0	*	71	53	45	Tr	-	3·5
Hartland Point	1016·9	+6	W	3	c/d	60	97	8	8	2	-	4-6	9+	1500	0	2	67	59	56	-	Tr	8·8
Bristol	1017·0	+10	SW'W	3	c	60	85	8	8	3	9	4-6	7-8	1600	0	*	71	54	44	-	Tr	5·8
Portland Bill	1017·8	+10	W	3	c	60	92	8	5	-	-	10	10	4000	0	2	63	58	*	-	-	*
Plymouth	1018·6	+10	-	0	z_0	59	92	6	5	-	8	9	9+	2500	0	1	69	55	50	-	-	5·9
The Lizard	1019·4	+4	W	2	pr	59	97	7	5	-	-	10	10	1600	1	2	68	65	*	Tr	0·5	5·1
Scilly (St.Mary's)	1018·7	+4	WSW	2	id_0	60	97	7	5	6	-	7-8	9+	800	1	1	69	56		Tr	0·4	3·2
Guernsey																						
Pembroke	1016·8	+4	W'S	2	c	61	97	8	8	6	-	4-6	9+	1500	0	2	66	59	*	-	-	4·8
Holyhead	1013·6	+8	W'S	4	c	59	85	7	5	3	-	4-6	7-8	4000	1	2	65	58	56	-	0·6	3·1
Chester(Sealand)	1014·2	+10	WSW	2	dd_0	58	85	6	5	-	-	10	10	2500	1	*	67	58	53	Tr	0·1	2·8
Manchester	1012·9	+6	W'S	3	c/r	56	97	7	5	7	-	7-8	10	2500	1		69	56	47	Tr	3	1·1
Spurn Head	1011·6		SW	4	c	60	75	6	5	9	-	7-8	10	2500	0	3	68	56	*	-	-	1·7
Catterick	1010·7	+10	NW	2	c/d	58	85	8	5	2	-	4-6	10	2100	0	*	67	56	52	Tr	0·1	1·4
Tynemouth	1009·9	+8	W	3	c	58	85	6	8	4	1	4-6	7-8	4000	1	1	64	56	52	-	2	*
St. Abbs Head	1008·7	+16	WNW	4	c	55	75	8	4	6	2	4-6	7-8	2500	1	3	61	53	*	-	0·2	*
Leuchars	1007·3	+10	W	3	c	55	75	8	5	7	-	7-8	9	3500	1	*	63	51	45	-	1	0·5
Renfrew (Abbots I.)	1009·5	+14	W'S	4	c	54	85	8	5	2	-	7-8	10	1600	1	*	61	51	48	Tr	1	0·0
Eskdalemuir	1009·8	+8	SW	3	c	51	85	8	5	2	-	7-8	10	1500	1		60	49	45	-	7	1·2
Point of Ayre	1011·9	+10	WNW	5	c	57	92	8	2	7	7	Tr	10	1500	0	2	68	56	*	0·1	0·6	5·3
Tiree	1008·3	+6	WNW	4	c/r	53	97	7	5	1	-	4-6	7-8	1500	1	4	60	51	*	2	5	0·0
Stornoway	1005·7	+4	WNW	5	pr	52	92	7	8	7	-	7-8	9+	1500	1	3	56	50	*	4	2	0·5
Dalwhinnie	1007·2	+8	SW	1	bc	49	85	7	4	-	-	4-6	4-6	1500	1	*	57	47	41	0·1	3	0·6
Aberdeen	1006·1	+10	W'N	3	bc	53	75	8	7	4	8	1	2-3	4000	0	1	62	50	44	-	1	3·2
Wick	1004·1	+4	WSW	3	bc	52	85	8	5	6	3	2-3	4-6	1500	1	1	58	48	*	0·6	3	*
Lerwick	1001·9	-4	SW	3	c	53	97	7	5	7	-	4-6	7-8	800	1	*	57	52	*	-	3	7·3
Blacksod Point	1013·6	+4	W	4	c	58	85	7	5	-	-	9+	9+	800	0	2	63	54	*	0·1	2	*
Malin Head	1010·7	+4	WNW	5	pr	54	92	6	6	-	-	9+	9+	1500	0	3	62	51	*	1	3	0·3
Aldergrove	1011·8	+8	W'S	2	ir_0	55	85	8	6	2	-	7-8	10	1200	1	*	65	54	51	Tr	1	0·6
Birr Castle	1014·9	+4	SW	1	c	57	85	8	5	3	3	4-6	9	2500	0	*	68	55	51	-	0·5	1·2
Valentia Obsy.	1017·5	+6	W	2	bc	59	85	8	7	4	1	1	2-3	2500	0	2	65	58	53	Tr	Tr	7·3
Roches Point	1017·1	+10	WNW	2	bc	59	92	8	5	4	5	2-3	4-6	2500	0	1	66	57	*	Tr	-	*

LONDON OBSERVATIONS

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Afternoon	Night	Temperature Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	cmeiczd	czbcd	bcdcw	73	56	46	Tr	-	3·4	*	*	8
Croydon	217	cm0ez0	pr0qcz0	bm0wce	70	54	48	Tr	-	1·0	*	*	8
Greenwich (Royal Observatory)	149	cm0m0	cgrc	cbwc	68	52	44	3	-	1·0	81	75	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	71	55	50	Tr		0·6	84	83	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	71	54	50	-	-		62	73	*
Camden Square	110	bc	bc	*	72	55	50	-	-	*	*	72	*
Kensington	80	cbc	bc	*	75	54	49	-	-		55	77	*
Hampstead Observatory	450	bc	bc	bc	70	52	47	-	-		*	84	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 8th.

South Kensington			
Max.	Time.	Min.	Time.

Kew Observatory			
Max.	Time.	Min.	Time.
0·1	7-15h. 7th.	<0·1	rest of period.

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Night mm.
Paris														
Brussels														
Berlin														
Zürich														
Rome														

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

		Objects not visible at
0	Dense fog	55 yards.
1	Thick fog	220 "
2	Fog	550 "
3	Moderate fog	1,100 "
4	Mist or haze	1¼ miles.
5	Poor visibility	2½ "
6	Moderate "	6¼ "
7	Good "	12½ "
8	Very good "	31 "
9	Excellent "	beyond 31m.

COLUMN 30 — Code for State of Sea.

0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Precipitous.
4 Rough. 9 Confused.

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

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

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION SECRET

Friday 9th August, 1940.

No. 28,750

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Med. (10)	High (11)	Amount Low 0–10 (12)	Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1016·9	0	W'S	4	c	69	55	8	8	2	8	7-8	9+	2500
	Croydon	1016·6	0	W'S	4	c	70	55	8	5	3	-	7-8	9+	2500
	S. Farnborough	1017·2	0	SW	2	c	70	55	9	7	6	8	4-6	7-8	3000
	Boscombe Down	1017·8	+6	W'S	3	c/pr	67	75	8	8	-	-	9+	9+	1800
	Calshot (Soton.)	1018·0	+2	SW	5	c	70	65	8	7	3	2	4-6	7-8	2000
	Lympne	1017·8	+4	SW'S	4	c	65	75	8	8	2	1	4-6	9	2200
	Manston	1018·0	+14	SW'W	4	c	69	65	8	7	3	-	7-8	9	1800
2	Shoeburyness	1016·2	-2	SW	3	c	68	65	8	8	1	-	7-8	10	4000
	Felixstowe	1015·3	0	WSW	4	c	72	55	8	8	-	-	9+	9+	3000
	Gorleston	1014·4	0	WNW	3	c	69	56	7	8	5	-	4-6	9	2500
	Mildenhall	1015·0	+2	W'S	4	c	68	65	8	8	1	-	9	10	2500
	Cranwell	1014·7	+10	W	3	zo	62	75	6	5	7	-	4-6	9+	2500
3	Birmingham	1015·7	+8	WNW	3	c	65	55	8	5	7	-	4-6	10	1500
	Upper Heyford	1016·2	+2	W'S	4	c	67	65	7	7	-	-	9	10	1600
4	Ross-on-Wye	1016·3	+8	W'S	3	c	67	65	8	8	7	2	4-6	9+	4000
5	Hartland Point	1018·7	+8	W	3	c/pr	64	85	8	8	-	-	9+	9+	2500
	Bristol	1017·8	+6	W	4	c	67	75	8	4	-	3	7-8	9+	3100
	Portland Bill	1019·2	+2	SW	4	c	62	85	8	4	4	-	7-8	9	4000
	Plymouth	1019·3	+2	SW	5	c	64	85	8	5	-	1	9	9	1400
	The Lizard	1020·3	0	W	2	bc	65	85	8	8	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	1020·7	+10	NW'W	3	c	69	75	8	8	7	-	7-8	9+	1500
	Guernsey														
6	Pembroke	1017·4	+2	W	2	c	65	75	8	8	7	1	2-3	9	1500
7	Holyhead	1016·6	+6	WSW	4	c	61	75	8	8	7	-	9	10	3500
	Chester (Sealand)	1016·0	+10	W'N	4	c/pr	63	55	8	6	-	-	7-8	9+	2200
8	Manchester	1014·9	+12	W	4	pr	59	85	7	8	7	-	4-6	10	1600
10	Spurn Head	1013·4	0	WSW	3	iro	61	85	6	5	-	-	10	10	4000
	Catterick	1012·6	+6	W'N	3	iro	59	75	8	5	7	-	4-6	10	2000
	Tynemouth	1011·5	+8	W	4	c	59	85	6	8	-	-	9+	9+	3200
11	St. Abbs Head	1008·8	+4	WNW	5	c	59	65	8	3	6	-	4-6	7-8	2500
	Leuchars	1008·0	+2	WNW	4	bc	63	55	8	2	6	8	2-3	4-6	2500
12	Renfrew (Abbots I.)	1011·0	+6	W'S	4	c	60	65	8	5	7	-	7-8	10	1600
	Eskdalemuir	1011·0	+6	WSW	4	c	56	75	8	5	-	-	10	10	1500
	Point of Ayre	1013·9	+4	W'N	4	c	58	85	8	5	7	-	4-6	10	1500
13A	Tiree	1008·7	+4	WSW	3	dd	56	92	7	-	2	-	9+	9+	1500
13B	Stornoway	1006·7	+10	NW	5	c/pr	57	85	8	8	7	-	7-8	9+	1500
15	Dalwhinnie	1008·6	+6	SW	2	c	58	65	8	8	5	-	7-8	9	2500
	Aberdeen	1006·9	+2	WNW	3	c/pr	60	75	8	8	-	-	7-8	7-8	2500
	Wick	1004·4	+2	W	3	c	61	85	8	8	7	1	7-8	9	1500
16	Lerwick	1002·0	+2	WSW	4	c	55	85	8	8	7	-	4-6	7-8	1500
17	Blacksod Point	1014·4	0	W'S	3	c	60	92	7	5	-	-	10	10	800
18	Malin Head	1012·3	+6	NW	4	c/pr	57	85	7	6	-	-	9+	9+	1500
	Aldergrove	1012·9	-4	WSW	3	c	61	75	8	8	7	-	4-6	9+	1800
19	Birr Castle	1016·1	+2	SW	3	c	64	65	8	8	1	-	7-8	10	1500
20	Valentia Obsy. †	1019·4	+6	W	3	c	63	85	8	5	-	-	10	10	2500
	Roches Point	1017·5	-4	NW	3	c	70	65	8	5	4	5	4-6	7-8	4000

OBSERVATIONS at 18h. G.M.T. 8th August. — PAST 24 HOURS.

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Med. (24)	High (25)	Amount Low 0–10 (26)	Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	Weather 7h.–13h. 8th (37)	13h.–18h. 8th (38)	18h. 8th to 1h. 9th (39)	1h.–7h. 9th (40)
London (Kew)	1016·4	-2	W	3	c	70	55	8	8	1	2	4-6	9+	2500	0	*	cy	cy	cycbc	c
Croydon	1016·3	-2	WSW	3	c	70	65	8	8	3	-	4-6	9+	1800	0	*	c⊕c	cyc	cbcwbbc	bcb c
S. Farnborough	1016·5	0	WSW	4	c	70	55	8	8	7	-	9	9+	2000	0	*	cv	cproy	cb	bWc
Boscombe Down	1017·2	0	NW'N	4	c	66	65	8	5	7	8	4-6	9+	2500	0	*	bcc	c	cbcbmo	bcmocmo
Calshot (Soton.)	1017·8	-2	W'S	4	c	65	85	8	5	-	-	9+	9+	1400	0	3	cbcc	c	cbWmocW	cW
Lympne	1017·8	+2	SW	4	c	63	75	8	4	6	3	4-6	7-8	3200	0	§3	c⊕c	c	bcbmoW	bbcmon'
Manston	1016·4	-4	SW	4	c	68	75	7	1	7	6	1	9	2000	0	*	cmoc	c	ccmo	bmo bcmo
Shoeburyness	1016·0	-4	SW'W	2	c	69	65	8	5	9	-	4-6	9+	4000	0	*	cmo	cmocyc	ccmo,cmo	cmo wbmo
Felixstowe	1015·2	0	W	4	c	70	55	8	8	7	6	7-8	9+	3000	0	3	cmoc,y	cycprocy	cycmoc	cbc mobc
Gorleston	1015·3	+4	NW	3	c/pr	63	75	6	8	6	-	4-6	9	2500	0	1	cy	cproc	cbcc	c
Mildenhall	1014·8	-2	NW	2	c	66	75	8	4	6	3	4-6	9+	2500	0	*	cwc	c	cbc	bcc
Cranwell	1015·0	-2	W'N	3	c	63	65	7	5	7	4	7-8	9+	2500	0	*	cprc	czoproiroc	cbcbrno	crb,cinoc
Birmingham	1015·9	+2	WNW	3	c	64	65	8	5	7	-	4-6	10	1500	0	*	cbcc	cbcc	cbc	bcc
Upper Heyford	1015·5	-2	WSW	4	c	67	75	8	8	7	9	4-6	9+	1800	0	*	cmoc	c	cbcmo	bcmboc
Ross-on-Wye	1016·1	-4	W	3	c	66	65	8	4	4	8	2-3	9	2500	0	*	c	cbcc	cbc	c
Hartland Point	1018·2	+4	WNW	4	c	63	85	8	7	6	6	4-6	7-8	1500	0	3	cdopo	cbcc	c	c
Bristol	1017·6	+2	W'N	4	c	65	85	8	1	7	8	1	9+	2500	0	*	prorooc	c	cbcb	bcido (bcmo,oido,on,)
Portland Bill	1018·4	-8	SW	4	c	61	85	8	5	-	-	10	10	4000	0	3	c	c.	cbc	c
Plymouth	1019·2	+2	W	3	c	65	75	8	5	-	8	7-8	9	3000	0	2	cmodoc	cidoc	ccmo	(bcoidmo)
The Lizard	1020·5	0	W	4	c	63	85	8	8	6	-	7-8	7-8	2500	0	2	cprbc	cbcc	bcW	c
Scilly (St. Mary's)	1020·6	-2	W'N	3	c	63	75	8	8	4	4	7-8	9+	1500	0	1	codfc	c	c	c
Guernsey																				
Pembroke	1017·6	-2	W'S	3	c	62	92	8	5	7	3	2-3	9+	2500	0	2	cbcproc	cbcc	bccq	cq
Holyhead	1014·8	-6	SW'W	3	c	60	85	7	5	3	-	Tr	9+	4500	0	2	croc	c	cproc	cmoc
Chester (Sealand)	1015·2	-12	WSW	2	c	64	55	8	7	7	-	7-8	10	3500	0	*	dodoproc	c	c	cz
Manchester	1014·5	-2	W'S	3	c	62	75	7	5	2	6	4-6	9+	3800	0	*	ciroproPr	c	ccmoiro	cmoirododo
Spurn Head	1013·6	0	WSW	5	c	61	65	6	5	7	-	7-8	10	4000	0	4	iro	co	iroo	o
Catterick	1013·0	+2	W'N	2	iro	57	85	8	5	7	-	2-3	9+	3100	0		cciro	ciro	c	c
Tynemouth	1011·4	0	W	5	c	59	75	7	8	4	-	7-8	9	4000	0	1	c	c	corr	oc
St. Abbs Head	1009·5	+4	W	3	c	58	65	8	2	1	-	2-3	7-8	1500	0	3	cbcc	c	orr	iroc
Leuchars	1008·8	+4	WSW	4	c	59	65	8	9	6	8	2-3	9+	2500	0	*	cbcy	c	croroidmo	comrrro
Renfrew (Abbots I.)	1011·1	0	WSW	2	rr	55	92	7	5	2	-	9+	10	1200	1	*	cirodmoc	cirorr	crrmoroo	cmoiroido
Eskdalemuir	1011·4	0	SW'W	3	rr	53	85	6	6	-	-	10	10	1500	1	*	crrir	crr	orrmo	orrdd
Point of Ayre	1012·8	-8	W'S	3	c	61	85	8	5	7	-	4-6	10	1500	0	2	roroc	c	c	c
Tiree	1008·9	-4	WSW	2	rr	54	97	7	-	2	-	10	10	1500	1	3	cir	orodr	orrdr	orrdr
Stornoway	1007·2	+2	WNW	4	c/pr	57	85	8	8	7	9	4-6	9+	1500	1	3	cPR	cpr	cpro	cprrr
Dalwhinnie	*	0	WSW	3	c	53	75	7	5	-	-	10	10	1500	1	*	bc	ciroo		ciroo
Aberdeen	1007·2	+2	NW	2	c/pr	59	75	8	8	7	3	7-8	7-8	4000	0	1	cproc	cpro	cbc	cror
Wick	1005·4	+4	NW	3	c/pr	56	85	8	8	7	8	7-8	9	1500	1	1	cprc	cproc	cbc	bcc
Lerwick	1003·0	+6	WNW	4	bc/pr	56	85	8	8	5	-	4-6	4-6	1500	0	*	c	cbcpro	cbc	bccpro
Blacksod Point	1013·1	-8	W	3	dodo	59	97	6	6	-	-	10	10	<150	1	3	c	dd	dd	dd
Malin Head	1010·6	-12	W	3	roro	57	97	6	9	-	-	9+	9+	800	0	3	c	crorc	cigidcpc	cidoddc
Aldergrove	1012·4	-6	SW	3	iro	57	92	8	5	7	-	4-6	10	1000	1	*	cirororo	rororomoc	romodd	modoido
Birr Castle	1015·3	-6	SW	3	c	62	85	8	5	-	-	10	10	2500	0	*	c	c	odd	cid
Valentia Obsy. †	1018·7	-6	W'S	4	c	62	85	7	5	-	-	10	10	1500	0	2	bbcc	c	como	omocido
Roches Point	1017·0	-4	SW	3	bc	67	75	8	1	7	5	Tr	4-6	4000	0	2	bcc	bc	bc	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. ro, slight rain. rr, continuous rain.
<, less than (for cloud height). ⁄gale.
⊕ Solar halo. ⊕ lunar halo. Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

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

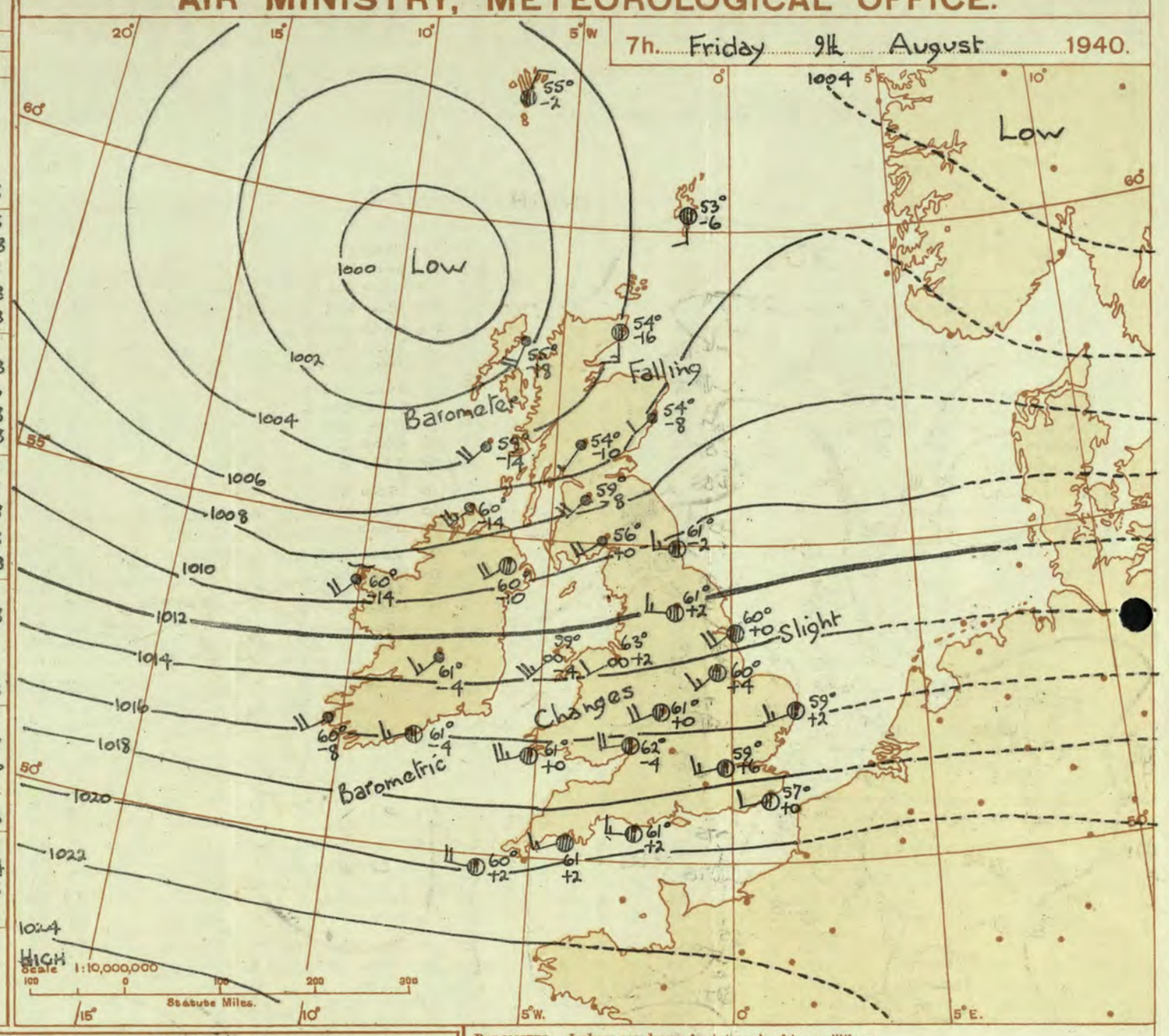
Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 8th August			18h. G.M.T.			01h. G.M.T. 9th August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	97	81644	55587	8-	10847	25587	82	01642	21212	57	02854	15116
115	52	81854	24585	51	81854	22584	56	02834	20485	52	62744	12368
203												
206				83	02955	24325	5-	02948	00028			
210	83	81956	22427	86	01855	24425	40	01963	22113	52	52846	12258
220				62	64735	25268				6-	66578	24368
230	87	81845	24587	52	64646	20468	02	54638	18268	62	58604	20458
245	86	02854	24425	86	01853	22425	52	62764	22268	02	64528	20168
260	83	02854	22415	62	62743	22488	52	51745	22168	52	02744	20268
277	57	25853	28388	57	02754	16168				5-	05638	20428
279												
285	6-	03748	24528	9-	81748	24488				5-	22638	24468
288	52	61864	22368	57	22864	20368	52	05656	20268	52	02765	20428
273	46	10764	25558							52	51654	20458
301	57	22754	26468	53	02763	23427	52	02746	57628	5-	21648	24558
321	57	05654	23383	57	05654	24328	57	05663	22314	51	05645	17428
299	52	22745	24468	57	02745	24427	5-	05544	22314	57	05645	22327
292	52	22854	24468	86	02864	26426	57	02766	22228	52	02837	22358
310	--	02628	24428	--	02628	24328					51528	24458
316	52	05645	24458	67	05646	22328	5-	05658	22328	52	21644	22358
333	72	02854	24428	52	02876	24428	52	02756	24328	52	05625	22426
334				--	02844	24428					51748	22528
340	57	02965	25416	57	02965	24328	57	02765	24227	5-	02857	22427
136	5-	63758	23368	57	02862	24468	53	02776	20317	52	02764	21318
336	--	02853	24426	--	25853	24516					03742	24528
350	51	02744	22328	77	02854	20327				03	02790	18315
368	57	02844	24326	14	02844	24426	5-	02746	22526	53	21746	22557
379	92	02745	22482	63	02744	22327	60	05690	22310	53	05645	22316
390	73	02755	22428	73	02766	22417	03	01790	24414			
382	72	02855	21328	44	02862	22426	01	05690	22214	5-	02748	20328
438	5-	02757	24517							02	03737	24427
430	83	02854	22415	59	01844	24526				50	01743	26314
409	5-	02937	24457	80	02845	21426	52	02746	20328	52	22646	22468

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Friday 9th August 1940.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 9th August, 1940
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Moderate WSW wind fresh locally on coasts; mainly cloudy; slight rain later; local coast fog later on South Coast; rather warm and close.
5 S.W. England 6 South Wales ...	Moderate SW wind, fresh locally on coasts, veering West; dull occasional rain; local coast fog; average temperature.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Moderate SW wind, veering W to NW, fresh locally; rain at first; bright intervals and showers later; average temperature.
13 A. W. Scotld. B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland	Moderate South wind, veering W to NW, fresh locally; rain early; bright intervals and thundery showers later; becoming cooler.
16 Orkneys and Shetlands 17 N. W. Ireland 18 N. E. Ireland	Moderate South wind, veering NW, fresh; rain at first; bright intervals and showers later; becoming cooler.
	As 7-12.
19 S. E. Ireland 20 S. W. Ireland	Moderate SW wind, veering West; occasional rain at first; bright intervals + local showers later; local coast fog at first; average temperature.

GENERAL INFERENCE.

A depression off Northwest Scotland is moving east and deepening, and an associated cold front will move ESE across the British Isles. There will be rain in the North and West followed by bright intervals and showers. In the South and East it will be mainly cloudy, with slight rain later.

FURTHER OUTLOOK.

Unsettled, but no indication at the moment of considerable rain in the South.

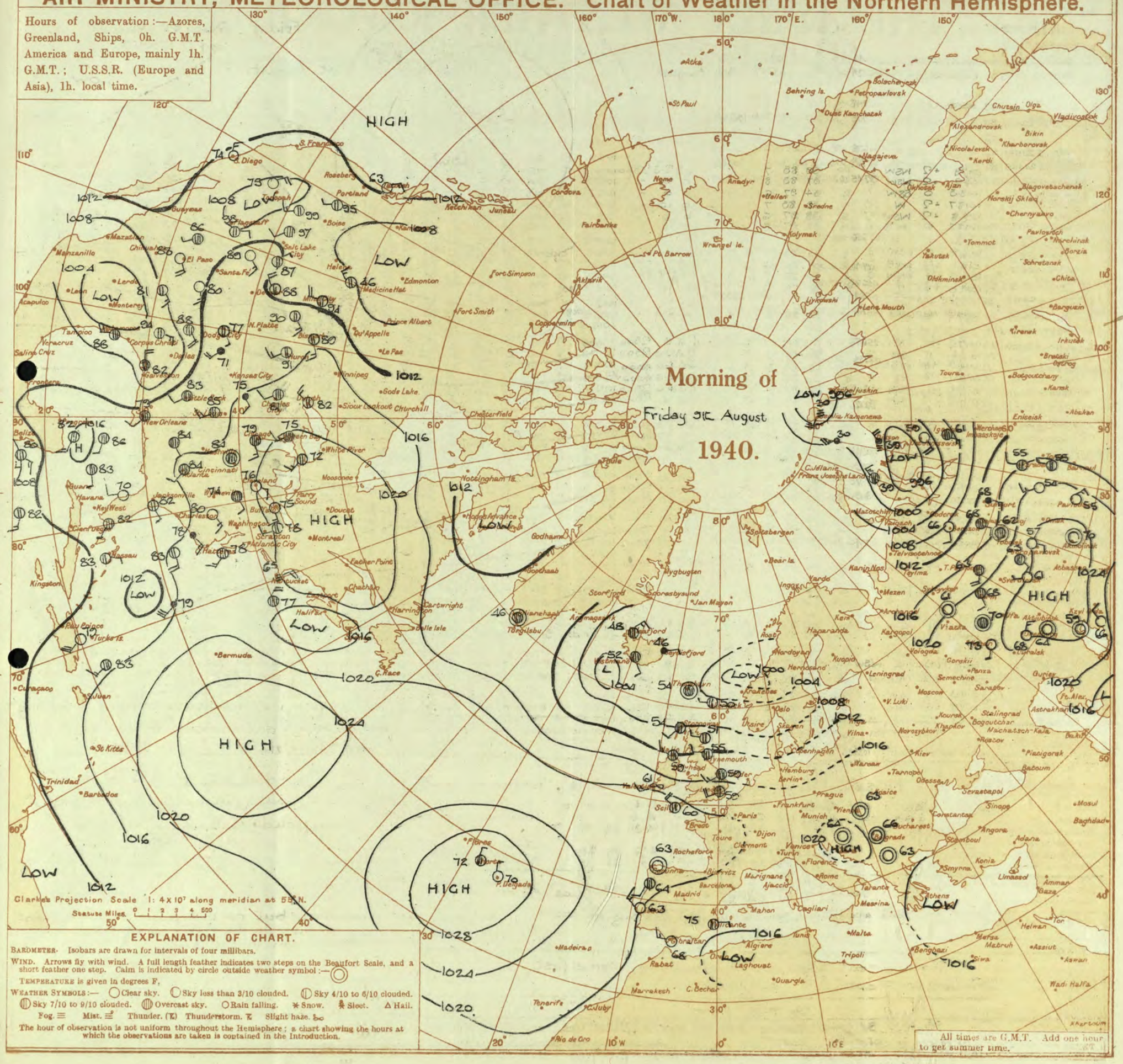
Forecasts issued at 1030h G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.
C.64/2990 m. 8045 & 2405 G. 340 (5802 E/40)

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

Hours of observation :—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 9th August, 1940.

No 287583.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1017·8	+2	WSW	3	bc	59	85	7	5	3	-	2-3	2-3	2500
	S. Farnborough	226	1018·2	+2	WSW	3	b	57	85	8	-	-	-	0	0	-
	Boscombe Down	417	1018·5	0	SSW	1	Zo	54	87	6	-	-	-	0	0	-
	Calshot (Sthmtn.)	8	1018·7	+2	W	3	c	59	85	7	-	1	-	0	10	-
	Lympne ...	346	1018·8	+2	WSW	2	Zo	58	87	6	-	-	-	0	0	-
	Manston ...	154	1017·7	0	W'S	3	Zo	59	87	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1016·7	0	WSW	3	c	68	75	7	5	2	-	2-3	3+	4000
	Gorleston ...	5	1016·1	+2	SW'S	2	c	61	75	6	5	-	-	7-8	7-8	2500
	Mildenhall ...	19	1016·2	-2	WSW	3	c	60	75	7	5	7	-	2-3	7-8	5000
	Cranwell ...	240	1015·0	-6	S	3	Zo	59	75	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1017·2	0	W'S	2	Zo	56	92	6	-	4	5	0	4-6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1018·5	0	W	5	c	62	92	7	8	2	-	4-6	9	2500
	Bristol ...	209	1018·1	0	SW	2	bc	60	85	7	5	-	-	2-3	2-3	2500
	Portland Bill ...	32	1018·0	+8	WSW	4	bc	58	85	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	1020·1	-2	W	3	Zo ~~bc~~	60	92	6	5	-	2	2-3	4-6	4000
	The Lizard ...	240	1020·3	0	WN	4	bc	58	87	7	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1020·7	-2	WN	4	c	60	85	7	5	-	-	10	10	2500
	Guernsey ...	175														
6	Pembroke ...	142	1017·5	0	WS	5	cq	61	97	7	5	2	-	2-3	7-8	1500
7	Holyhead ...	26	1014·0	-6	SW	4	c/pr	61	85	7	8	-	-	10	10	3000
	Chester (Sealand)	16	1015·0	-6	SW'W	4	c	63	75	7	5	7	-	7-8	10	4000
8	Manchester ...	70	1014·2	-6	SW	3	o/r	60	85	6	5	-	-	10	10	2500
10	Spurn Head ...	29	1013·9	-4	SW'S	3	o	59	75	6	5	-	-	10	10	2500
	Catterick ...	175	1012·1	-8	-	0	c	58	92	7	5	2	-	4-6	10	2100
	Tynemouth ...	108	1011·3	-6	W	2	o/p	55	92	6	-	2	-	10	10	1500
11	St. Abbs Head	280	1008·8	-12	W	4	c.r.	58	87	7	5	-	-	10	10	1500
	Leuchars ...	36	1008·5	-18	WSW	1	id.	54	87	5	6	-	-	10	10	600
12	Renfrew (Abbots I.)	19	1008·6	-10	SW'W	3	o/p	57	87	6	5	-	-	10	10	700
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1011·7	-8	W'S	5	c	60	87	7	5	2	-	4-6	10	1500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1006·1	-8	SW	2	c	54	87	7	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1006·6	0	SW	2	bc	50	92	7	5	7	-	4-6	4-6	1500
16	Lerwick ...	156	1005·1	+6	WSW	2	bc	50	87	8	5	-	-	4-6	4-6	2500
17	Blacksod Point	18	1011·7	-10	WSW	3	DD	59	97	6	6	-	-	10	10	1500
18	Malin Head ...	84	1008·2	-2	W	3	c/pr	59	97	6	9	-	-	9	9	1500
	Aldergrove ...	268	1011·2	-2	WSW	4	Zo	60	88	6	5	-	-	10	10	1400
19	Birr Castle ...	173	1014·9	-4	SW	3	dd	59	92	7	5	-	-	10	10	2500
20	Valentia Obsy.	30	1017·9	-6	SW'W	3	Zo	61	92	6	5	-	-	10	10	1500
	Roches Point	22	1017·7	-2	W	3	bc	61	92	8	5	-	-	4-6	4-6	2500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0–10 (26)	Cloud. Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1018·0	+6	SW	3	c	60	85	7	5	-	-	10	10	2500	0	*
	Croydon ...	1018·1	+6	WSW	3	c	59	92	8	5	-	-	10	10	1500	0	*
	S. Farnborough	1017·8	+2	SW	3	c	59	92	8	5	-	-	10	10	1500	0	*
	Boscombe Down	1017·7	+2	W'S	3	Zo	60	85	7	5	7	-	9	10	5000	0	*
	Calshot (Sthmtn.)	1018·5	+4	W	3	c	61	85	7	5	-	-	9	9+	1800	0	1
	Lympne ...	1018·6	0	WSW	2	bc	57	92	7	-	3	6	0	4-6	-	0	2
	Manston ...	1017·6	+2	W'S	4	bc	61	85	7	-	-	1	0	4-6	-	0	*
2	Shoeburyness ...	1018·6	+4	W'S	3	c	62	85	8	-	-	-	0	0	-	0	*
	Felixstowe ...	1016·7	0	W'S	4	c	61	85	7	5	3	-	7-8	9+	5000	0	2
	Gorleston ...	1015·6	+2	SWW	3	c	59	85	7	-	3	-	0	9+	-	0	2
	Mildenhall ...	1015·9	+6	SW	4	c	60	85	7	5	7	-	7-8	9+	3000	0	*
	Cranwell ...	1014·4	+4	SW	3	c	60	85	7	5	-	-	10	10	1500	0	*
3	Birmingham ...	1015·1	0	WSW	4	c	61	85	6	5	7	-	4-6	9	2500	0	*
	Upper Heyford	1016·6	+2	SW'W	3	c	61	85	7	5	3	9	7-8	9	900	0	*
4	Ross-on-Wye	1016·2	-4	W'S	4	c	62	85	7	5	-	-	10	10	1500	0	*
5	Hartland Point	1017·8	+2	WNW	5	PR	61	92	7	8	2	-	7-8	9+	1500	0	3
	Bristol ...	1017·5	+2	W	4	c/d	63	85	7	5	3	-	9	9+	1500	0	*
	Portland Bill ...	1018·8	+2	W	3	c	61	92	8	4	-	-	7-8	7-8	4000	0	3
	Plymouth ...	1019·6	+2	W'S	3	o/d	61	85	6	5	-	-	10	10	900	0	2
	The Lizard ...	1020·2	+2	W	2	o	60	92	8	5	-	-	10	10	1500	0	2
	Scilly (St. Mary's)	1019·9	+2	W'N	4	c	60	85	7	5	-	-	10	10	1200	0	2
	Guernsey ...																
6	Pembroke ...	1016·4	0	W'S	5	cq	61	97	7	8	2	-	7-8	9+	1500	0	3
7	Holyhead ...	1012·8	-4	SW	5	Zo	59	92	6	5	2	-	7-8	10	2000	0	3
	Chester (Sealand)	1014·0	+2	SW'W	2	Zo	63	75	6	5	-	-	10	10	2100	0	*
8	Manchester ...	1013·4	+6	SW	3	dd	60	92	6	5	-	-	10	10	1600	1	*
10	Spurn Head ...	1013·3	0	SW	4	o	60	85	6	5	-	-	10	10	800	1	2
	Catterick ...	1011·0	+2	W	3	c	61	92	7	5	3	-	4-6	9+	1500	0	*
	Tynemouth ...	1010·6	-2	W	3	c	61	85	6	8	-	-	9+	9+	2100	1	1
11	St. Abbs Head	1007·6	+2	SW	3	ir	58	85	8	8	2	-	7-8	10	1500	1	2
	Leuchars ...	1006·4	-2	SW	2	c.r.	58	87	7	5	7	-	7-8	10	1800	1	*
12	Renfrew (Abbots I.)	1007·3	-8	SW'S	4	d.d.	59	92	6	6	2	-	9+	10	800	1	*
	Eskdalemuir ...	1008·8	0	SW'W	4	d.d.	56	92	5	-	2	-	10	10	1150	1	*
	Point of Ayre ...	1010·7	-4	W'S	4	c	60	87	7	8	2	-	7-8	10	800	0	2
13A	Tiree ...	1008·4	-14	SW	4	DD	59	87	5	-	2	-	10	10	450	1	4
13B	Stornoway ...	1001·7	-18	SSW	4	rr	55	87	6	5	2	-	7-8	10	800	1	2
15	Dalwhinnie ...	1003·8	-10	SSW	1	id.	54	87	6	5	-	-	10	10	800	1	*
	Aberdeen ...	1005·7	-8	SW	2	rr	54	92	7	6	2	-	9	10	1500	1	1
	Wick ...	1004·2	-16	S	3	c	54	92	8	5	7	8	9+	9+	2500	1	1
16	Lerwick ...	1004·8	-6	S	3	c/pr	53	87	8	8	7	-	4-6	7-8	800	0	*
17	Blacksod Point	1008·8	-14	SW	4	DD	60	87	6	6	-	-	10	10	1150	1	4
18	Malin Head ...	1006·2	-14	SW	5	dd	60	87	6	6	-	-	9+	9+	800	1	3
	Aldergrove ...	1008·2	-10	SW	4	c/d	60	87	8	5	-	-	10	10	600	1	*
19	Birr Castle ...	1012·9	-4	SW	3	id	61	92	7	6	2	-	7-8	10	1500	0	*
20	Valentia Obsy.	1016·1	-8	SW'W	4	id.	60	87	6	5	-	-	10	10	1500	1	3
	Roches Point	1015·8	-4	WSW	3	c	61	92	8	5	-	-	9+	9+	1500	0	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine Hrs. (36)
1	London (Kew)	73	58	52	-	-	5·4
	Croydon ...	73	56	50	-	-	4·0
	S. Farnborough	73	51	45	Tr	-	4·8
	Boscombe Down	71	53	48	Tr	-	5·5
	Calshot (Sthmtn.)	71	57	54	-	-	7·2
	Lympne ...	68	55	50	-	-	6·9
	Manston ...	73	55	53	-	-	6·3
2	Shoeburyness ...	72	59	54	-	-	6·0
	Felixstowe ...	74	57	55	Tr	-	5·2
	Gorleston ...	70	57	53	Tr	-	2·4
	Mildenhall ...	72	57	52	-	-	2·4
	Cranwell ...	64	54	49	Tr	-	0·0
3	Birmingham ...	67	55	51	-	-	2·6
	Upper Heyford	72	54	48	-	-	*
4	Ross-on-Wye	70	58	55	-	-	2·2
5	Hartland Point	67	61	60	Tr	-	5·2
	Bristol ...	71	59	56	Tr	Tr	6·2
	Portland Bill ...	*	*	*	-	-	*
	Plymouth ...	68	60	56	Tr	Tr	1·3
	The Lizard ...	67	57	*	-	-	5·3
	Scilly (St. Mary's)	69	59	*	0·6	-	5·7
	Guernsey ...						
6	Pembroke ...	(65)	60	*	Tr	-	4·0
7	Holyhead ...	62	59	58	Tr	Tr	0·5
	Chester (Sealand)	65	61	57	0·3	-	1·0
8	Manchester ...	63	58	56	0·6	Tr	0·2
10	Spurn Head ...	65	57	*	Tr	1	0·0
	Catterick ...	61	58	55	Tr	Tr	0·0
	Tynemouth ...	62	55	52	-	4	
11	St. Abbs Head	61	52	*	-	3	*
	Leuchars ...	65	53	52	-	3	5·7
12	Renfrew (Abbots I.)	61	54	52	1	3	0·0
	Eskdalemuir ...	57	51	50	1	7	0·0
	Point of Ayre ...	61	57	*	0·6	0·4	0·0
13A	Tiree ...	58	53	*	6	5	0·0
13B	Stornoway ...	61	52	*	1	3	8·0
15	Dalwhinnie ...	61	50	50	0·1	2	2·8
	Aberdeen ...	64	50	45	Tr	1	7·9
	Wick ...	61	50	*	2	-	*
16	Lerwick ...	58	49	*	Tr	Tr	8·8
17	Blacksod Point	60	57	*	0·5	2	*
18	Malin Head ...	60	56	*	6	1	0·0
	Aldergrove ...	62	57	56	1	0·1	0·0
19	Birr Castle ...	65	59	58	-	0·2	0·3
20	Valentia Obsy.	65	60	59	-	Tr	4·1
	Roches Point	73	60	*	-	-	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day. mm.	Rainfall Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew ...	18	cy	cy	cycbc	73	58	52	-	-	5·4	*	*	7
Croydon ...	217	c⊕c	cyc	cbcwb	73	56	50	-	-	4·0	*	*	7
Greenwich (Royal Observatory) ...	149	cy	cy	cbc	73	55	49	-	-	4·3	53	79	7
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	73	58	54	-		4·2	70	85	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	72	57	53	-	-	*	54	73	*
Camden Square ...	110	bc	bc	*	73	57	53	-	-	*	*	75	*
Kensington ...	80	bc	bc	*	74	57	53	-	-		53	77	*
Hampstead Observatory ...	450	bc	bc	bc	71	54	51	-	-		*	84	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 9th

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
40·1 whole period			

FOREIGN OBSERVATIONS.

18h. G.M.T. 8th August / 7h. G.M.T. 9th August

Stations.	18h. Barom. mb.	18h. Wind. Direc.	18h. Wind. Force.	18h. Weather.	18h. Temp. °F.	7h. Barom. mb.	7h. Wind. Direc.	7h. Wind. Force.	7h. Weather.	7h. Temp. °F.	Past 24 Hours. Max. Day °F.	Past 24 Hours. Min. Night °F.	Past 24 Hours. Rainfall. Day mm.	Past 24 Hours. Rainfall. Night mm.
Paris ...														
Brussels ...														
Berlin ...														
Zürich ...														
Rome ...											*	*		

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6¼ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30 — Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptious.
4 Rough.	9 Confused.

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

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

SECRET

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 10th August 1940.

No. 28751

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1016·3	-14	SW	4	bc	72	55	8	1	-	4	Tr	2-3	4000
	Croydon	1016·4	-14	WSW	4	bc	76	55	8	5	-	4	Tr	2-3	2500
	S. Farnborough	1016·6	-16	SW	4	bc	74	75	8	1	-	4	2-3	4-6	3000
	Boscombe Down	1017·1	-8	SW'W	4	c	72	55	7	1	-	6	2-3	7-8	2000
	Calshot (Soton.)	1018·5	-2	SW	5	c	70	75	8	7	-	6	2-3	7-8	2200
	Lympne	1018·2	+2	SSW	4	c	65	75	8	5	-	2	4-6	7-8	1100
	Manston	1016·7	-14	SW	4	bc	76	65	7	1	-	2	Tr	4-6	2000
2	Shoeburyness	1016·5	-16	SW	4	bc	73	65	8	7	-	1	2-3	2-3	2500
	Felixstowe	1015·9	-8	SSW	4	bc	72	65	7	1	-	1	4-6	4-6	2500
	Gorleston	1015·4	-4	SW	4	c	70	65	7	5	-	-	9+	9+	2500
	Mildenhall	1014·6	-10	SW	4	bc	75	65	7	1	-	-	2-3	2-3	2500
	Cranwell	1013·4	-10	WSW	4	zo	71	65	6	5	3	-	4-6	4-6	1800
3	Birmingham	1013·9	-6	SW	3	bc	69	65	8	7	-	-	4-6	4-6	4000
	Upper Heyford	1016·9	+2	WSW	5	bc	70	65	7	1	-	-	4-6	4-6	2200
4	Ross-on-Wye	1015·5	-6	WSW	5	bc	70	65	7	7	-	-	4-6	4-6	2500
5	Hartland Point	1017·2	-6	WSW	5	c	62	85	7	5	2	-	7-8	10	1500
	Bristol	1017·2	-6	WSW	4	c	68	65	8	5	4	-	9	9	3100
	Portland Bill	1018·9	+4	WSW	3	c	62	92	8	5	4	-	4-6	7-8	4000
	Plymouth	1019·2	-2	SSW	4	c	65	85	7	5	-	-	7-8	7-8	1800
	The Lizard	1020·0	-4	WSW	3	c	65	85	7	8	2	-	7-8	9+	2400
	Scilly (St. Mary's)	1019·3	-6	WSW	3	c	67	75	7	5	4	-	7-8	9+	1500
	Guernsey														
6	Pembroke	1016·3	-4	SW	5	c	63	92	7	8	-	-	9+	9+	1500
7	Holyhead	1012·1	-6	SSW	5	c	61	85	7	5	1	-	9	10	2500
	Chester (Sealand)	1013·8	-2	WSW	4	c	66	75	7	5	-	-	9+	9+	1800
8	Manchester	1012·8	-6	SW'W	4	c	66	75	7	5	3	-	7-8	9+	1700
10	Spurn Head	1012·5	-2	SW	4	c	68	75	6	2	-	-	7-8	7-8	1500
	Catterick	1010·3	-10	WSW	4	dodo	63	85	6	6	2	-	9	10	900
	Tynemouth	1010·0	+4	SW	3	c	67	75	7	8	-	-	9	9	2500
11	St. Abbs Head	1005·9	-8	SW	4	c	68	75	8	8	6	-	9	10	2500
	Leuchars	1004·4	-16	SW	3	c/r	63	92	7	8	-	-	9	9	700
12	Renfrew (Abbots I.)	1005·7	-10	WSW	4	ido	62	92	5	6	2	-	9	10	400
	Eskdalemuir	1007·6	-6	SW	5	dd	59	97	5	-	2	-	10	10	<150
	Point of Ayre	1008·3	-14	W'S	7	c	68	75	8	8	7	-	4-6	9+	1500
13A	Tiree	1001·2	-6	SW	5	dr	60	97	5	-	2	-	10	10	450
13B	Stornoway	998·4	-6	SW	5	roro	60	92	7	8	7	-	9	10	800
15	Dalwhinnie	1003·0	-12	SSW	4	rr	59	92	6	5	-	-	10	10	800
	Aberdeen	1002·4	-22	S	3	c/r	62	85	7	9	7	-	4-6	9	1500
	Wick	1000·6	-24	SSE	4	c/r	55	97	8	5	7	8	7-8	9+	1500
16	Lerwick	1003·1	-12	S	4	pr	55	92	8	8	7	-	7-8	9+	800
17	Blacksod Point	1006·4	-12	SSW	3	c	63	85	7	5	-	-	9	9	<150
18	Malin Head	1004·5	-14	SW	4	roro	61	97	7	6	-	-	9+	9+	1500
	Aldergrove	1006·9	-14	SW	4	c	64	85	8	5	-	-	10	10	800
19	Birr Castle	1010·8	-14	W	3	c/d	64	85	7	6	2	-	7-8	10	2500
20	Valentia Obsy. †	1013·4	-14	W'S	5	ido	63	92	6	5	-	-	10	10	800
	Roches Point	1014·3	-8	W'S	3	c/d	62	92	7	5	-	-	9+	9+	1500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	1014·5	-6	SW'S	5	b	70	65	7	1	-	1	Tr	1	4000	0	*
	Croydon	1015·6	-2	SSW	3	bc	68	75	8	1	-	2	2-3	2-3	4000	0	*
	S. Farnborough	1015·1	-8	S'W	4	b	68	65	7	7	-	-	1	1	3000	0	*
	Boscombe Down	1015·0	-8	SW'S	3	zo	67	75	7	5	-	-	2-3	2-3	2000	0	*
	Calshot (Soton.)	1016·3	-6	WSW	5	c	64	85	7	5	-	-	7-8	7-8	2000	0	4
	Lympne	1017·0	-6	W	1	bc	62	85	8	1	-	-	4-6	4-6	900	0	§4
	Manston	1015·1	-10	SW	5	bc	68	75	7	-	-	1	0	2-3	-	0	*
2	Shoeburyness	1014·5	-6	SSW	4	bc	68	75	8	1	-	1	Tr	4-6	5700	0	*
	Felixstowe	1013·5	-14	SW'S	5	bc	70	75	7	-	5	6	0	4-6	-	0	3
	Gorleston	1012·5	-16	SSW	4	b	67	85	7	-	3	-	0	Tr	-	0	3
	Mildenhall	1012·3	-10	W'S	4	b	73	65	6	-	4	4	0	1	-	0	*
	Cranwell	1011·3	-12	SW	4	bc	72	65	7	5	-	-	4-6	4-6	2500	0	*
3	Birmingham	1012·7	-8	SW	3	c	67	65	8	5	7	-	7-8	9	2500	0	*
	Upper Heyford	1014·0	-8	SW	4	bc	69	65	7	1	-	1	1	2-3	2500	0	*
4	Ross-on-Wye	1013·7	-12	SW	4	c	64	75	7	5	-	-	7-8	7-8	2500	0	*
5	Hartland Point	1014·2	-18	W	5	c	62	85	7	5	4	-	4-6	7-8	2500	0	3
	Bristol	1015·3	-8	W'N	4	bc	65	75	8	4	6	-	Tr	2-3	2500	0	*
	Portland Bill	1015·9	-16	SW	4	bc	62	92	7	5	-	-	4-6	4-6	4000	0	3
	Plymouth	1016·6	-14	SSW	5	zo	63	85	6	5	3	-	7-8	7-8	2000	0	3
	The Lizard	1017·2	-14	WSW	5	c	62	85	8	8	2	-	7-8	9+	2300	0	3
	Scilly (St. Mary's)	1016·9	-	SW'W	4	c	63	75	7	8	7	-	7-8	9	1500		
	Guernsey																
6	Pembroke	1013·1	-12	SW'S	6	cq	62	97	7	8	-	-	9+	9+	800	1	3
7	Holyhead	1008·6	-20	SSW	6	o	60	92	6	5	-	-	10	10	400	0	3
	Chester (Sealand)	1010·9	-18	SSW	4	c	67	75	7	5	4	-	7-8	7-8	1800	0	*
8	Manchester	1010·8	-12	SW'W	3	c	65	85	7	8	-	-	9+	9+	2800	0	*
10	Spurn Head	1010·1	-4	SW'S	3	c	71	65	6	5	4	1	4-6	9	2500	0	2
	Catterick	1008·3	-10	WSW	3	c	64	85	7	5	7	-	7-8	9+	1500	0	
	Tynemouth	1007·6	-6	WSW	3	zo	65	75	6	8	3	-	9	9	4000	0	1
11	St. Abbs Head	1002·7	-14	SW	5	cq	62	85	8	5	6	-	4-6	9	1500	0	3
	Leuchars	1001·8	-14	SW	4	dodo	63	92	5	5	2	-	9	10	500	1	*
12	Renfrew (Abbots I.)	1002·6	-16	SW	4	iro	63	92	6	5	3	-	9	9+	820	1	*
	Eskdalemuir	1014·7	-10	SW'S	5	dd	58	97	4	-	2	-	10	10	<150	1	*
	Point of Ayre	1005·6	-18	W'S	6	c	68	65	8	5	4	-	7-8	9	1500	0	3
13A	Tiree	999·5	-4	SW'W	4	c	58	85	7	8	-	-	9+	9+	1500	0	4
13B	Stornoway	996·5	-6	SW	4	rr	57	97	6	8	2	-	9	10	800	1	2
15	Dalwhinnie	1000·4	-14	SSW	3	c	59	85	7	9	-	-	7-8	7-8	1500	1	*
	Aberdeen	1000·2	-10	SW'W	4	bc	65	85	7	8	-	-	4-6	4-6	1500	1	2
	Wick	997·0	-14	SW	3	bc	64	85	8	8	7	1	4-6	4-6	2500	1	1
16	Lerwick	998·6	-18	SE	4	rr	55	97	6	6	2	-	9	10	450	1	*
17	Blacksod Point	1004·4	-12	SW	4	c	59	92	7	5	-	-	10	10	1500	1	3
18	Malin Head	1002·0	-12	WSW	4	c	60	85	8	9	-	-	7-8	7-8	5700	0	3
	Aldergrove	1004·1	-16	WSW	2	ido	61	92	6	6	-	-	10	10	500	1	*
19	Birr Castle	1007·3	-20	SW	3	ir	60	92	7	6	2	-	7-8	10	1500	1	*
20	Valentia Obsy. †	1010·5	-14	SW'W	4	pr	62	92	8	6	-	-	10	10	1500	1	3
	Roches Point	1010·9	-20	WSW	4	dodo	62	97	6	5	-	-	9+	9+	800	0	3

PAST 24 HOURS. — WEATHER.

District	Stations	7h.–13h. 9th. (37)	13h.–18h. 9th. (38)	18h. 9th. to 1h. 10th. (39)	1h.–7h. 10th. (40)
1	London (Kew)	cbcy	bccbcyb	bbcmo	bccmocido
	Croydon	cbcby	bcybc	bcb,cmo	bcm,cido
	S. Farnborough	cbcy	bcyb	cbbc	bccdomo
	Boscombe Down	cbc	bc	bzocmo	cmododo
	Calshot (Soton.)	cbc	bc	cbmocmo	cidomo
	Lympne	bc	bccb	bccmo	cmoc
	Manston	bc	bc	bbccmo	cmo
2	Shoeburyness	bccbc	cbc	bcbbc	c
	Felixstowe	cbc	bc	bcbmocmo	cmoc
	Gorleston	c	cbcb	bbcw	bccw
	Mildenhall	cbcby	byb	bcmob	c,cbcc
	Cranwell	cbczo	bczoybc	bbcmo	bc,irobc
3	Birmingham	cbc	bcc	c	cprbc
	Upper Heyford	bc	bc	bcbbcmo	bccdodmo
4	Ross-on-Wye	c	bcqc	ccq	cqRc
5	Hartland Point	c	c	dodoc	cdor
	Bristol	c	cbcb	b,c	cRrRpr
	Portland Bill	c	bc	c	c
	Plymouth	bmocbc	bccmo	cmododo	cddprmoc
	The Lizard	c	c	bid	cprbc
	Scilly (St. Mary's)	c	c		
	Guernsey				
6	Pembroke	cq	cqpro	cidq	idrqc
7	Holyhead	cmojpc	cmoo	bmoroc	croc
	Chester (Sealand)	czobcc	c	crormo	crbcrcmo
8	Manchester	cmododoc	c	cmoroор	roroRR
10	Spurn Head	bcc	c	bc	c
	Catterick	ccdodomo	cdodmoc	cmocbc	bccddo
	Tynemouth	c	c	cpobc	bcc
11	St. Abbs Head	iroc	cq	qrrc	iroc
	Leuchars	roromociRc	ccdodmo	cdirocmbc	ciRidobcc
12	Renfrew (Abbots I.)	cmododo	cmoidor	cmiroido	cmociro
	Eskdalemuir	bdd	dddodo	bdfcrr	crcir
	Point of Ayre	c	c	cbcc	crr
13A	Tiree	bdr	cpro	cir	cir
13B	Stornoway	cRR	cRR	crrpr	cpr
15	Dalwhinnie	r.	ciro	.	ciro
	Aberdeen	roiroc	cbc	bcb	b,cir
	Wick	roroc	probc	bcc	cproc
16	Lerwick	cpro	cpro	crdbirofc	corrc
17	Blacksod Point	c	c	prc	prcq
18	Malin Head	c	cproc	crorciroc	bprprc
	Aldergrove	ccidoc	cidomoc	bccddc	c,irido
19	Birr Castle	cid	cir	cid	cbc
20	Valentia Obsy. †	ddodocmocido	cidoidiropro	cbcproc	proqbc
	Roches Point	idoc	ddo	cbc	bcidoc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

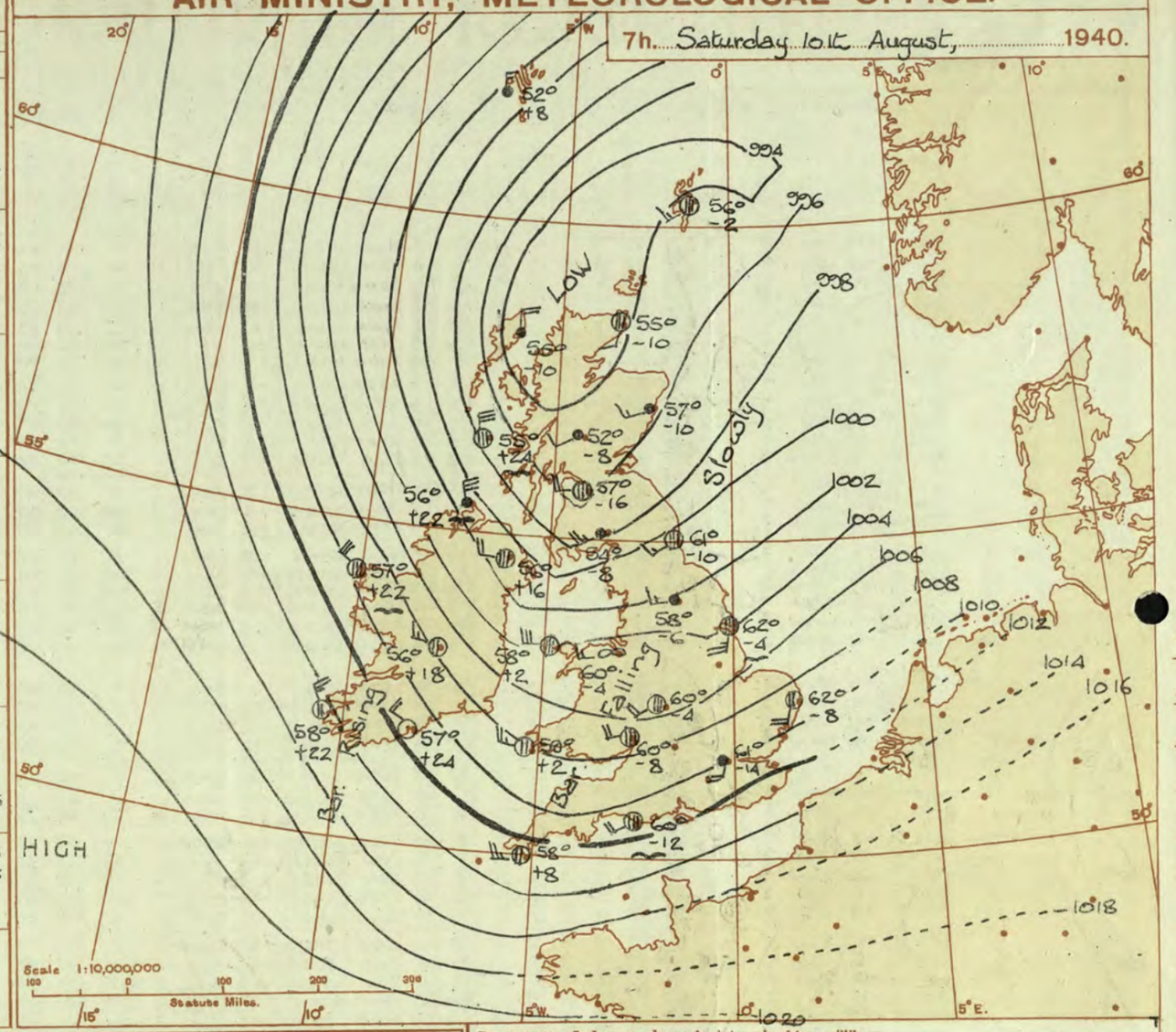
COLUMN 29.—STATE OF GROUND.

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

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday 10th August, 1940.



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.

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	5-	64618	14368	59	22612	18265	5-	21738	21128	57	02744	20165
115	--	67309	20569	85	02845	20667	56	62754	22465	66	02844	20425
203												
206				7-	22846	22366	52	51846	60068	57	02865	00067
210	52	02846	20327				57	02856	20428	52	61845	00067
220	6-	53628	22358	56	21917	31668				63	03744	20528
230	02	52408	20568	87	10846	53568	52	63744	24368	57	22738	22268
245	67	02835	53666	97	02746	20527	5-	62756	16216	57	61745	20367
260	52	02746	20828	67	02746	53527	52	02856	20358	57	22855	20367
277	54	61627	19468	62	21737	19468	52	22755	18466	62	62747	24468
279												
285	5-	61638	24668	5-	62638	24568				6-	03638	22568
288	5-	61648	20628	5-	05658	18428	5-	01754	10424	57	02855	18428
273	32	81554	23668							37	63543	25666
301	57	02655	22528	5-	05627	55527	50	22644	55564	57	61647	55528
321	57	05755	20427	54	01753	52414	50	05655	20415	57	02754	18465
299	5-	03547	22357				50	05643	22513	5-	05644	27312
292	52	05647	22358	52	05665	20128	57	05655	20326	8-	81637	22367
310	--	02638	24428	--	02836	24426						
316	5-	02646	20426	73	02754	20425	5-	05648	55328	53	02625	53387
333	52	02737	24528	52	52627	20558	5-	02846	20626	57	22845	24467
334				--	53538	20658				--	54538	20658
340	5-	02856	23426	5-	02857	20427	5-	61746	53516	50	25045	22485
136	5-	05677	22467	04	05690	18412	5-	05658	21318	57	05646	17428
336	--	03855	20628	--	02742	20527				--	63742	20567
350	04	01790	18513				57	05667	21328	57	51645	20557
368	70	05645	23425	57	02747	24457	5-	05648	24428	67	25746	23487
379	8-	05645	22415	40	05642	22412	6-	05648	22328			
390	04	05690	21514	14	05661	21413	5-	05648	20428	5-	51637	20428
382	53	01764	21424	7-	02745	23315	5-	05657	18317	•		
438	5-	03748	23428							8-	02748	24528
430	53	02754	20415	5-	00751	20601	5-	05646	21416	5-	51648	20528
409	5-	05747	21527	5-	02757	20627						

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

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th August 1940
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Fresh or strong west wind veering northwest; local thundery showers, bright intervals; rather cool.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England	Strong west to northwest wind, gale on coasts; local thundery showers, bright intervals; rather cool.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	As 1-4.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland	Strong northwest wind, gale on coasts; local thundery showers, bright intervals; cool.
15 N. E. Scotland 16 Orkneys and Shetlands	Variable winds becoming north or northwest, strong to gale; cloudy with local thundery showers; cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Strong northwest wind, gale on coasts, moderating later; local thundery showers, bright intervals; cool.

GENERAL INFERENCE.

A deep depression centred over North Scotland will move slowly eastwards. Squally thundery showers will occur in all districts, but there will be some bright intervals. Northwesterly gales will occur in northern and western districts. It will be cool especially in the North.

FURTHER OUTLOOK.

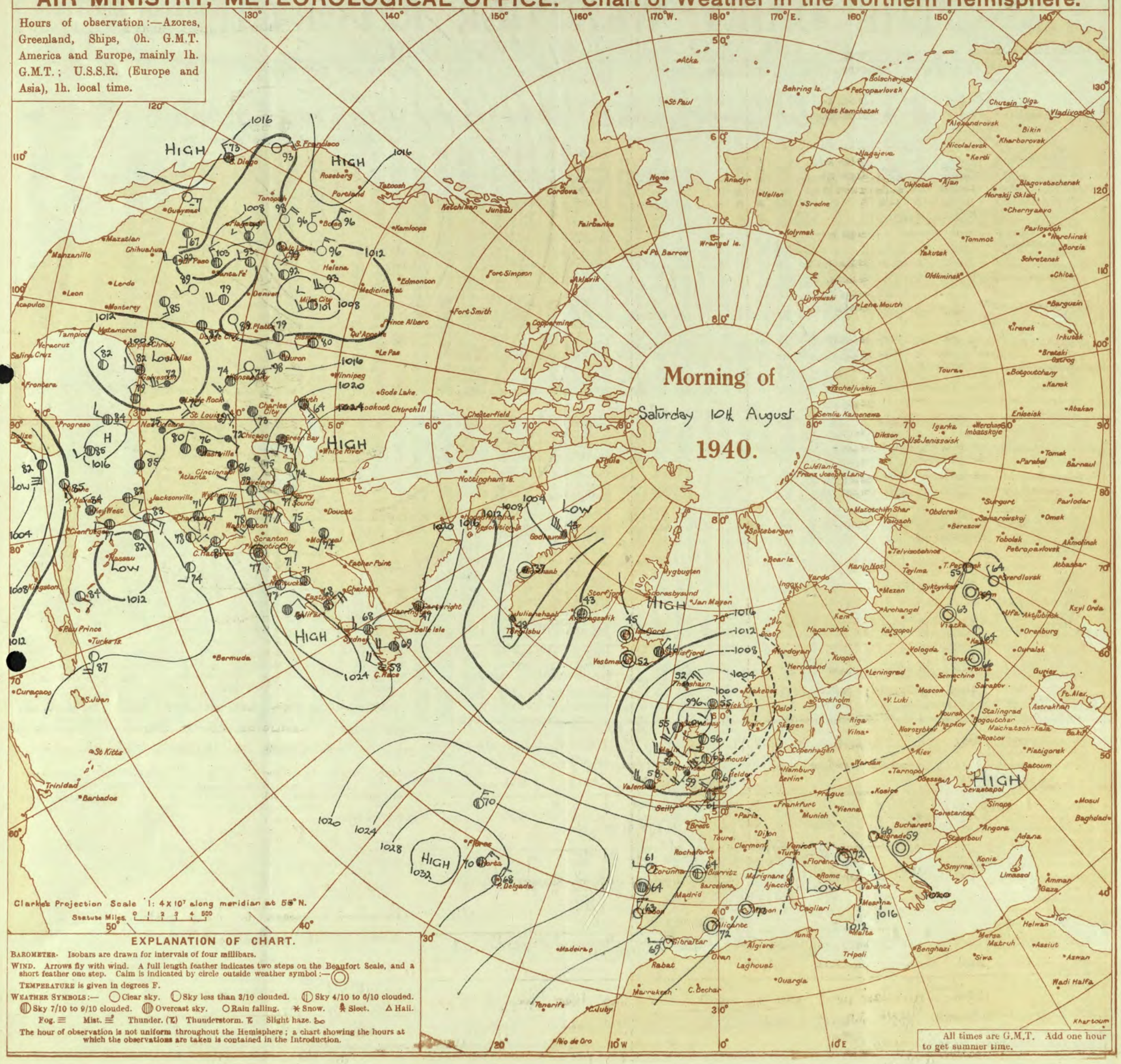
Thundery showers in most districts, fair in West; winds moderating.

Forecasts issued at 10.30h.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 10th August, 1940.

No 25751.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1013·9	-10	SW	3	Zo	61	85	6	5	-	-	4-6	4-6	1200
	S. Farnborough	226	1012·5	-20	SSW	3	Zo	58	92	6	5	-	-	4-6	4-6	800
	Boscombe Down	417	1012·5	-20	SW'S	2	Zo	60	85	6	5	-	-	9+	9+	600
	Calshot (Sthmtn.)	8	1013·4	-18	W'S	5	Zo	62	85	6	5	-	-	10	10	600
	Lympne ...	346	1014·9	-10	SW'S	3	Zo	59	92	6	5	-	-	10	10	1200
	Manston ...	154	1013·4	-10	SSW	2	C	59	92	6	5	-	-	10	10	700
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1013·0	-6	SW'W	4	C	62	85	6	5	-	-	7-8	7-8	1200
	Gorleston ...	5	1011·6	-12	SW	2	bc	63	92	6	-	3	-	0	2-3	-
	Mildenhall ...	19	1010·6	-16	SW	3	b	60	85	7	-	7	-	0	Tr	-
	Cranwell ...	240	1008·7	-20	SW	5	Zo	61	85	6	5	7	-	2-3	4-6	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1011·8	-16	SW	3	Zo	59	85	6	5	-	-	4-6	4-6	1800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1009·8	-26	WSW	6	c/d	60	97	6	5	2	-	7-8	10	1500
	Bristol ...	209	1011·5	-26	SSW	4	C	62	85	6	5	7	-	7-8	9+	1800
	Portland Bill ...	32	1013·5	-20	SW	4	C	60	92	7	5	-	-	10	10	4000
	Plymouth ...	82	1013·1	-28	SW'W	5	c/d	61	92	6	5	-	-	10	10	1500
	The Lizard ...	240	1013·6	-20	SW	5	id.	60	97	6	5	-	-	10	10	1200
	Scilly (St. Mary's)	163														
	Guernsey ...	175														
6	Pembroke ...	142	1009·1	-10	WSW	5	cq	60	97	7	8	-	-	9+	9+	1500
7	Holyhead ...	26	1004·7	-14	SW	4	ir.	59	92	6	5	-	-	9+	9+	800
	Chester (Sealand)	16	1006·7	-14	SW	4	rr	63	92	6	5	2	-	9	10	2000
8	Manchester ...	70	1005·8	-28	S	3	r.r.	62	92	6	5	-	-	10	10	1200
10	Spurn Head ...	29	1007·4	-14	S'W	4	bc	61	85	6	5	-	-	4-6	4-6	2500
	Catterick ...	175	1003·3	-22	SW	3	bc	63	85	7	5	-	-	4-6	4-6	2300
	Tynemouth ...	108	1002·7	-28	SW	6	bc	63	85	6	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	999·8	-18	W	3	bc	59	92	8	3	6	-	4-6	4-6	1500
	Leuchars ...	36	998·7	-16	WSW	4	c	58	97	8	5	-	-	7-8	7-8	900
12	Renfrew (Abbots I.)	19	999·5	-18	SW	3	c/d	58	85	6	5	2	-	7-8	10	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1002·9	-10	W'S	4	c	59	92	8	8	-	-	9+	9+	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	994·8	-8	SSW	4	c	55	97	6	8	7	-	7-8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	995·8	-6	SSW	3	c	57	85	7	8	7	-	7-8	10	800
16	Lerwick ...	156	994·5	-8	SSW	2	c	55	97	7	5	7	-	7-8	10	800
17	Blacksod Point	18	1005·6	+12	WNW	5	PR	56	85	7	5	-	-	9+	9+	800
18	Malin Head ...	84	998·7	-16	W	5	ir.	56	92	7	5	7	-	4-6	7-8	2500
	Aldergrove ...	268	1001·0	-14	SW'W	4	c	56	92	7	5	-	-	9+	9+	800
19	Birr Castle ...	173	1006·1	-6	SW	1	c/d	57	92	7	5	-	-	10	10	1500
20	Valentia Obsy.	30	1010·6	+2	NW'W	5	c/pr	58	85	8	8	-	-	10	10	1500
	Roches Point	22	1008·8	-4	W	3	bc	58	85	8	5	-	-	4-6	4-6	1500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	1008·1	-16	SW	5	id.	62	85	5	5	-	-	10	10	1500	0	*
	Croydon ...	1010·3	-14	SSW	4	id.	61	85	7	5	-	-	10	10	1400	0	*
	S. Farnborough	1009·6	-12	SSW	4	id.	60	92	6	5	-	-	10	10	900	0	*
	Boscombe Down	1009·2	-12	WSW	4	c/pr	60	97	8	8	-	1	7-8	7-8	2000	1	*
	Calshot (Sthmtn.)	1010·7	-10	WSW	5	id.	62	92	7	5	-	-	10	10	400	0	3
	Lympne ...	1012·7	-6	SW	4	c	59	85	8	5	-	-	10	10	1800	0	4
	Manston ...	1011·1	-8	SSW	5	Zo	62	85	6	5	-	-	10	10	600	0	*
2	Shoeburyness ...	1010·8	-8	SSW	4	c	68	75	8	5	-	-	10	10	2500	0	*
	Felixstowe ...	1009·1	-20	SW	5	c	63	85	7	5	-	-	10	10	1200	0	3
	Gorleston ...	1008·4	-8	SW'S	4	c	62	85	6	5	-	-	9	9	2500	0	2
	Mildenhall ...	1007·5	-12	SW'S	5	c	62	85	7	5	7	-	9	9+	2200	0	*
	Cranwell ...	1005·4	-6	SW	4	bc	61	85	8	5	9	-	2-3	2-3	1000	1	*
3	Birmingham ...	1005·8	-4	SW	4	c	60	85	7	5	7	-	9	9+	1500	1	*
	Upper Heyford	1008·7	-10	SW	4	df	60	97	8	6	-	-	9+	9+	400	1	*
4	Ross-on-Wye	1007·2	-8	WSW	4	c	60	85	8	8	-	-	7-8	7-8	2500	1	*
5	Hartland Point	1009·6	+12	W	5	c	61	85	8	8	4	-	4-6	7-8	2500	1	4
	Bristol ...	1009·2	-2	WSW	4	c/pr	59	92	8	8	3	-	7-8	9	1100	1	*
	Portland Bill ...	1010·5	-12	SW	4	c	60	92	7	5	4	-	4-6	10	2500	0	4
	Plymouth ...	1011·3	+2	W	3	c/pr	60	92	7	8	-	1	7-8	7-8	1800	1	2
	The Lizard ...	1013·3	+8	W	5	bc	58	92	8	8	-	-	4-6	4-6	2500	1	3
	Scilly (St. Mary's)																
	Guernsey ...																
6	Pembroke ...	1008·4	+2	W'N	5	cq	59	92	8	8	7	-	4-6	9	800	1	3
7	Holyhead ...	1003·9	+2	W	6	c	58	85	8	6	-	-	10	10	1500	0	3
	Chester (Sealand)	1004·4	-4	W'S	3	Zo	60	85	6	5	7	-	7-8	9	4500	1	*
8	Manchester ...	1003·7	-2	SW'W	3	c/r	57	92	6	5	3	-	7-8	9+	4000	2	*
10	Spurn Head ...	1003·9	-4	S'W	5	c	62	85	7	6	9	-	2-3	9+	1500	0	4
	Catterick ...	1001·4	-6	W'S	3	dd.	58	92	8	5	-	-	9+	9+	1500	0	*
	Tynemouth ...	1000·4	-10	SW	3	c	61	75	6	8	-	-	7-8	7-8	2000	1	1
11	St. Abbs Head	996·6	-10	SW	4	c	57	85	9	4	6	-	4-6	9	1500	1	3
	Leuchars ...	995·3	-14	SW	3	ir.	57	92	8	5	-	-	10	10	900	1	*
12	Renfrew (Abbots I.)	995·7	-16	W'S	4	c/r	57	92	8	6	7	-	7-8	9+	900	1	*
	Eskdalemuir ...	997·6	-8	SW	5	ir	54	92	7	6	-	-	10	10	450	1	*
	Point of Ayre ...	1000·7	-8	W	5	r.r.	56	92	7	6	2	-	4-6	10	800	1	3
13A	Tiree	997·2	+24	NNW	6	c/r	55	85	7	6	-	-	9+	9+	1500	1	5
13B	Stornoway ...	992·8	-10	N	4	pr	55	97	6	8	2	-	7-8	10	1500	1	2
15	Dalwhinnie ...	995·0	-8	SW	2	id.	52	97	6	9	-	-	10	10	800	1	*
	Aberdeen ...	994·3	-10	SW'W	3	ir	57	85	8	5	7	-	1	9+	1500	1	1
	Wick ...	993·5	-10	SSW	2	c	55	97	8	5	7	8	7-8	9+	1600	1	1
16	Lerwick ...	994·3	-2	SW	3	c	56	97	7	5	2	-	7-8	10	450	1	*
17	Blacksod Point	1010·6	+22	NW	6	cq	57	85	7	9	-	-	9	9	800	1	4
18	Malin Head ...	1001·3	+22	NNW	6	pr	56	85	7	6	2	-	4-6	9	1500	1	4
	Aldergrove ...	1001·4	+16	W'N	4	c/r	56	85	8	5	7	-	9	9+	800	1	*
19	Birr Castle ...	1008·9	+18	WNW	3	bc	56	85	8	-	3	-	0	4-6	-	1	*
20	Valentia Obsy.	1014·6	+22	NNW	5	bc	58	85	8	8	-	-	2-3	2-3	2500	1	3
	Roches Point	1012·0	+24	NW'W	4	c/d	57	85	8	5	-	-	7-8	7-8	1500	1	3

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F. (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine ~~9th~~ Hrs. (36)
1	London (Kew)	74	61	56	-	Tr	8·2
	Croydon ...	77	59	55	-	Tr	8·6
	S. Farnborough	77	58	52	-	Tr	7·9
	Boscombe Down	74	58	55	-	4	7·8
	Calshot (Sthmtn.)	71	60	58	-	Tr	9·3
	Lympne ...	70	59	57	-	-	9·2
	Manston ...	77	57	53	-	-	13·4
2	Shoeburyness ...	76	60	55	-	-	9·5
	Felixstowe ...	76	60	57	-	-	9·1
	Gorleston ...	74	58	54	-	-	6·9
	Mildenhall ...	78	59	52	-	-	8·4
	Cranwell ...	77	59	58	Tr	0·5	3·8
3	Birmingham ...	74	58	55	*	2	3·9
	Upper Heyford	78	58	52	-	0·1	*
4	Ross-on-Wye	71	59	56	-	5	6·7
5	Hartland Point	63	58	57	-	2	0·4
	Bristol ...	70	58	57	-	2	6·6
	Portland Bill ...	62	57	*	-	-	*
	Plymouth ...	66	58	43	-	0·2	5·8
	The Lizard ...	66	56	*	-	1	0·4
	Scilly (St. Mary's)						
	Guernsey ...						
6	Pembroke ...	64	58	*	Tr	2	0·0
7	Holyhead ...	63	58	57	-	Tr	1·1
	Chester (Sealand)	68	59	55	-	2	1·2
8	Manchester ...	69	57	55	0·1	4	0·8
10	Spurn Head ...	72	61	*	-	-	1·0
	Catterick ...	65	58	53	Tr	Tr	0·4
	Tynemouth ...	67	60	54	-	Tr	*
11	St. Abbs Head	68	51	*	Tr	1	*
	Leuchars ...	65	55	53	2	1	0·3
12	Renfrew (Abbots I.)	63	56	55	0·6	2	0·2
	Eskdalemuir ...	59	53	53	4	13	0·0
	Point of Ayre ...	71	55	*	Tr	3	1·2
13A	Tiree	62	54	*	2	1	0·5
13B	Stornoway ...	62	53	*	9	1	0·2
15	Dalwhinnie ...	61	51	51	4	0·5	0·4
	Aberdeen ...	69	56	53	0·6	1	4·0
	Wick ...	65	54	*	3	Tr	*
16	Lerwick ...	56	53	*	5	8	0·2
17	Blacksod Point	64	53	*	1	0·2	*
18	Malin Head ...	64	53	*	0·6	5	1·0
	Aldergrove ...	65	55	54	0·4	1	0·4
19	Birr Castle ...	65	53	52	2	1	0·2
20	Valentia Obsy.	63	55	52	1	1	0·4
	Roches Point	63	56	*	0·3	0·4	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew ...	18	cbcy	bcbcy	bbcmid.	74	61	56	-	Tr	8·2	•	•	8
Croydon ...	217	dbcby	bcybc	cmcid.	77	59	55	-	Tr	8·6	•	•	7
Greenwich (Royal Observatory) ...	149	cbc	bc	bcid.	79	59	54	-	Tr	7·8	61	79	7
City (Bunhill Row) ...	—	•	•	•	•	•	•	•	•		•	•	•
Westminster (St. James' Park) ...	27	•	•	•	76	61	57	-	-	9·1	67	89	•
Regents Pk. (Botanic Gardens)‡ ...	168	•	•	•	77	59	57	-	Tr	7·7	57	82	•
Camden Square ...	110	bc	bc	•	78	60	56	-	Tr	•	•	83	•
Kensington ...	80	bc	bc	•	78	60	57	-	Tr		61	83	•
Hampstead Observatory ...	450	bc	bc	or	75	60	57	-	0·1		•	98	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 10th.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

4·1 whole period.

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.
Paris ...										
Brussels ...										
Berlin ...										
Zürich ...										
Rome ...										

Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
•	•		

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 —Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6¼ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30 —Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptious.
4 Rough.	9 Confused.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Sunday 11th August 1940.
No. 28752

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	Weather 7h.–13h. 10th (37)	Weather 13h.–18h. 10th (38)	Weather 18h. 10th – 1h. 11th (39)	Weather 1h.–7h. 11th (40)
		OBSERVATIONS at 13h. G.M.T. 10th August														OBSERVATIONS at 18h. G.M.T. 10th August																PAST 24 HOURS.			
1	London (Kew)	1008.1	-2	SW	4	c	69	55	8	8	3	-	7-8	9	2500	1010.6	+14	W	4	c	66	55	8	8	-	-	7-8	7-8	2500	1	*	crocprcy	cyeprbcy	bcybw	bbcw
	Croydon	1008.6	0	WSW	5	bc/pr	67	65	9	2	6	-	4-6	4-6	2000	1010.4	+16	W	4	c	67	55	8	8	-	-	7-8	7-8	2500	0	*	dompro	bcyc	cy,b	bwb
	S. Farnborough	1009.0	0	WSW	5	bc	60	55	8	8	6	-	4-6	4-6	2500	1011.2	+14	WSW	5	bc	60	55	8	2	6	-	2-3	4-6	3000	0	*	cddoprbc	bcy	bcyb	bwbc
	Boscombe Down	1009.8	+8	W	6	bc/pr	66	65	8	8	-	-	4-6	4-6	2500	1012.2	+16	WN	4	bc/pr	60	75	8	8	-	-	4-6	4-6	2000	0	*	pr	bcpr	bcpro b	bwbc
	Calshot (Soton.)	1010.5	+2	WNW	4	c/pr	66	75	8	9	-	-	7-8	7-8	2500	1012.3	+14	WNW	5	bcq	67	55	8	1	6	-	2-3	4-6	3000	0	3	cidoprq	bcqy	bcyb	bbc
	Lympne	1011.3	-4	SW	5	c	67	75	8	2	-	-	7-8	7-8	1500	1011.0	+6	W	4	bc	66	65	8	2	6	-	4-6	4-6	1800	0	§4	cdrocr	cprobc	bcb	bwb
	Manston	1008.5	-18	WSW	6	c	71	65	8	8	-	-	7-8	7-8	1500	1009.3	+10	W	6	c	68	55	9	2	3	-	7-8	7-8	2000	0	*	cmoidc	cprobc	bcb	bw
2	Shoeburyness	1008.6	-12	W	4	c	63	85	8	9	-	-	9	9	1500	1009.4	+12	WS	5	bc	67	55	8	9	-	-	4-6	4-6	2500	0	*	bcprcpr	cbc	bcbc,b	bcybm
	Felixstowe	1007.0	-10	WSW	5	bc	72	65	8	2	6	-	4-6	4-6	2500	1007.8	+10	WS	6	bc	69	55	8	8	6	-	2-3	4-6	2500	0	4	iqprqbc	bcq bcy	b	bbc
	Gorleston	1006.0	-16	SW	4	bc	68	75	7	5	3	-	2-3	4-6	2500	1006.9	+10	WSW	2	c	65	75	7	2	3	-	4-6	7-8	1500	1	2	cbcq	bccpr	bc	bccq
	Mildenhall	1006.0	-2	WSW	4	c/pr	61	85	8	8	7	-	7-8	9-	1500	1007.2	+10	WS	6	cjp	64	65	9	8	6	-	4-6	7-8	3000	1	*	crrbccPR	cprqv	bbcb	bbcb,c
	Cranwell	1005.3	+6	WSW	4	PR	60	85	7	8	6	-	9	9+	1500	1007.1	+16	W	6	c	60	65	7	8	6	-	9	9+	1200	1	*	bPRcPR	cPRpsc	proq,b	b,c
3	Birmingham	1007.0	+4	W	4	c	62	65	8	8	7	-	7-8	9	2500	1009.2	+10	W	4	bc	61	65	8	5	4	-	2-3	4-6	2500	1	*	cprobcc	cprobc	cbc	bcc
	Upper Heyford	1007.9	+2	W	4	c	67	65	9	8	6	-	4-6	7-8	1800	1010.1	+14	WNW	3	c/pr	60	75	8	8	6	3	4-6	7-8	2200	1	*	cprodrmo		cbcb	bbcc
4	Ross-on-Wye															1011.6	+12	W	5	bcq	62	65	8	8	-	-	2-3	2-3	4000	1	*		bcq	bcq b	bc
5	Hartland Point	1012.8	+16	WNW	5	bc	62	75	8	4	-	-	4-6	4-6	2500	1014.7	+10	WN	4	bc	62	85	8	1	4	-	2-3	2-3	2500	0	3	cbcp	bc	bcbbc	bbc
	Bristol	1010.5	+12	W	5	c	64	75	9	3	6	3	4-6	7-8	1800	1012.5	+10	WN	4	bcjp	63	75	8	3	6	-	4-6	4-6	2000	0	*	proprc	cPRbcpro	bcb	bbcw
	Portland Bill	1012.0	-6	NW	4	c	60	85	8	2	4	-	4-6	7-8	4000	1014.2	+8	W	4	bc	63	85	8	1	-	-	2-3	2-3	4000	0	4	c	cbc	bcbc	bcbc
	Plymouth	1013.7	+14	NW	5	bc	64	65	8	1	-	-	4-6	4-6	2500	1015.8	+14	WNW	6	bc	65	65	8	2	-	-	2-3	2-3	2000	0	3	cmobc	bccybc	b	
	The Lizard	1015.7	+12	NW	6	bc	64	75	8	7	-	-	4-6	4-6	2500	1017.5	+6	WN	4	bc	62	75	8	8	6	-	4-6	4-6	3500	0	3	bc	bc	bc	cbc
	Scilly (St. Mary's)	1016.3	+18	NW	4	bc	67	65	8	8	4	3	2-3	4-6	1500	1018.1	+10	NNW	4	b	64	75	8	-	-	3	0	Tr	-	0	2	cbc	bcb	b	bbc
	Guernsey																																		
6	Pembroke	1011.6	+10	WNW	6	bcq	62	85	8	2	7	-	2-3	4-6	1500	1014.3	+12	WNW	3	bcq	62	85	8	2	6	-	2-3	4-6	1500	1	3	cbcq	bcq	bq	qbc
7	Holyhead	1006.8	+10	WN	6	pr	59	75	8	5	-	-	9+	9+	2000	1010.0	+10	WNW	7	bc	60	75	8	8	3	-	4-6	4-6	3000	0	4	crobcc	cprobc	cprob	cprc
	Chester (Sealand)	1006.6	+10	WS	4	c/pr	63	65	7	3	6	-	4-6	7-8	1500	1009.4		W	5	c/pr	60		8	8	7		4-6	7-8	1800	1	*	cprocpr	cpropobc	cprbcproc	cprprc
8	Manchester	1004.7	+10	W	6	cjp	63	75	8	8	3	-	7-8	9	2300	1007.0	+14	W	6	c	59	65	8	8	3	-	4-6	9	1800	1	*	proprqc	cproc	cpropr	cirido
10	Spurn Head	1002.4	0	WS	6	c	65	65	7	2	7	-	4-6	9	4000	1003.2	+2	WSW	7	cq	61	65	8	2	6	2	4-6	7-8	4000	0	4	psc	cq	cq	qircq
	Catterick	1000.5	-2	WNW	5	c	63	75	9	7	7	-	2-3	7-8	2000	1002.1	+10	WN	4	c/pr	58	85	8	6	7	-	9	9+	1000	0		dodoprc	ccproc	c	rorombc
	Tynemouth	998.9	-6	W	6	cq	62	65	8	2	3	-	4-6	7-8	4000	999.4	+4	W	6	cq	58	75	7	8	-	-	9-	9-	2500	1	1	cbccpc	cq	cororo	oirbc
11	St. Abbs Head	995.0	0	SW	4	c	60	75	9	8	6	-	4-6	9	1500	995.7	+10	WNW	6	ir	56	85	7	8	2	-	7-8	10	1500	1	4	c	irqc	corq	oq
	Leuchars	993.5	-6	WSW	4	c	62	65	9	8	-	-	9+	9+	1200	997.1	+32	NW	6	c	59	65	9	5	2	-	7-8	10	2500	1	*	circ	c	crorоirc	eqiroc
12	Renfrew (Abbots I.)	998.1	+14	WN	5	ir	56	85	8	5	-	-	10	10	1500	1002.2	+38	NWN	6	c/r	55	75	8	5	7	-	9	10	1800	1	*	ciromiro	crrRRc	ciro	cbcp
	Eskdalemuir	997.9	+10	W	5	c/r	56	75	8	5	-	-	9+	9+	1500	1000.4	+12	NWN	5	ir	52	85	8	6	-	-	10	10	1500	1	*	rosiro	ciroir	cirid	cirbc
	Point of Ayre	1004.0	+18	NW	6	pr	57	92	7	9	1	-	7-8	10	800	1006.6	+18	NW	7	c	58	85	8	8	3	-	4-6	9	1500	0	4	cPRq	bccq	bcbcq	cbcq
13A	Tiree	1002.1	+20	NNW	7	c	57	75	7	6	-	-	9+	9+	1500	1007.6	+26	NNW	6	c	54	85	7	8	-	-	7-8	7-8	1500	0	5	cir	cps	c	cbc
13B	Stornoway	999.0	+44	N	8	roro	52	97	6	5	2	-	7-8	10	800	1004.1	+34	N	8	roro	51	92	6	6	2	-	9	10	800	1	4	croro	croro	croro	cpr
15	Dalwhinnie	994.9	+4	WSW	6	c	57	75	6	5	-	-	10	10	800	1001.3	+34	WNW	2	o	51	75	7	5	-	-	10	10	800	1	*	cido	oiro		ciro
	Aberdeen	992.7	-10	-	0	c	64	75	8	8	7	-	9	9+	2500	995.6	+18	NWN	5	c/pr	56	85	8	8	7	-	9	9+	2500	1	1	circ	cprc	cros	croro
	Wick	992.9	0	SSE	2	c	56	97	8	8	7	-	4-6	10	1500	994.5	+14	NNW	3	rr	55	92	7	5	7	-	7-8	10	450	1	2	cPRc	prcrr	rcirq	mirc
16	Lerwick	993.5	-6	NE	2	ir	55	97	7	8	2	-	7-8	10	800	994.0	+4	N	3	rr	55	97	6	6	2	-	4-6	10	800	1	*	odfcir	cirrr	crorir	cirorr
17	Blacksod Point	1014.6	+22	NW	5	c	60	75	7	3	-	-	7-8	7-8	800	1017.3	+18	NW	5	bc	58	75	8	-	6	-	0	4-6	-	0	4	c	bc	bc	bc
18	Malin Head	1006.2	+28	NNW	6	PR	57	92	8	3	-	-	7-8	7-8	4000	1010.7	+26	NWN	6	c	56	85	8	4	6	-	4-6	7-8	5700			cprc	cPRcPRc	cPRccpro	cprocbcc
	Aldergrove	1006.0	+24	WNW	5	cq	60	75	8	9	3	-	7-8	9+	1600	1009.9	+26	WNW	4	pr	55	85	7	6	-	-	9+	9+	800	1	*	iroproq	q PRcpr	prproqbcq	cproc
19	Birr Castle	1012.4	+14	NW	4	c/pr	62	75	8	8	8	-	7-8	7-8	1500	1015.5	+20	NW	3	c	59	65	8	8	-	-	7-8	7-8	1500	0	*	cpro	c	bcb	cbc
20	Valentia Obsy. †	1018.2	+14	NWN	5	bc	62	75	8	8	-	-	4-6	4-6	2500	1020.0	+10	NWN	5	e	69	75	8	8	-	-	9+	9+	2500	0	3	bcprobc	bccproc bcy	cprocbc	bcc
	Roches Point	1014.5	+10	NNW	5	c	62	75	8	3	-	-	7-8	7-8	1500	1017.1	+18	NNW	6	bc	63	55	8	5	-	-	4-6	4-6	2500	0	3	proc	bcy	bcb	bc

bbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus
R, heavy rain. r_o, slight rain.
rr, continuous rain.
<, less than (for cloud height). gale.
Solar halo. lunar halo. Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

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

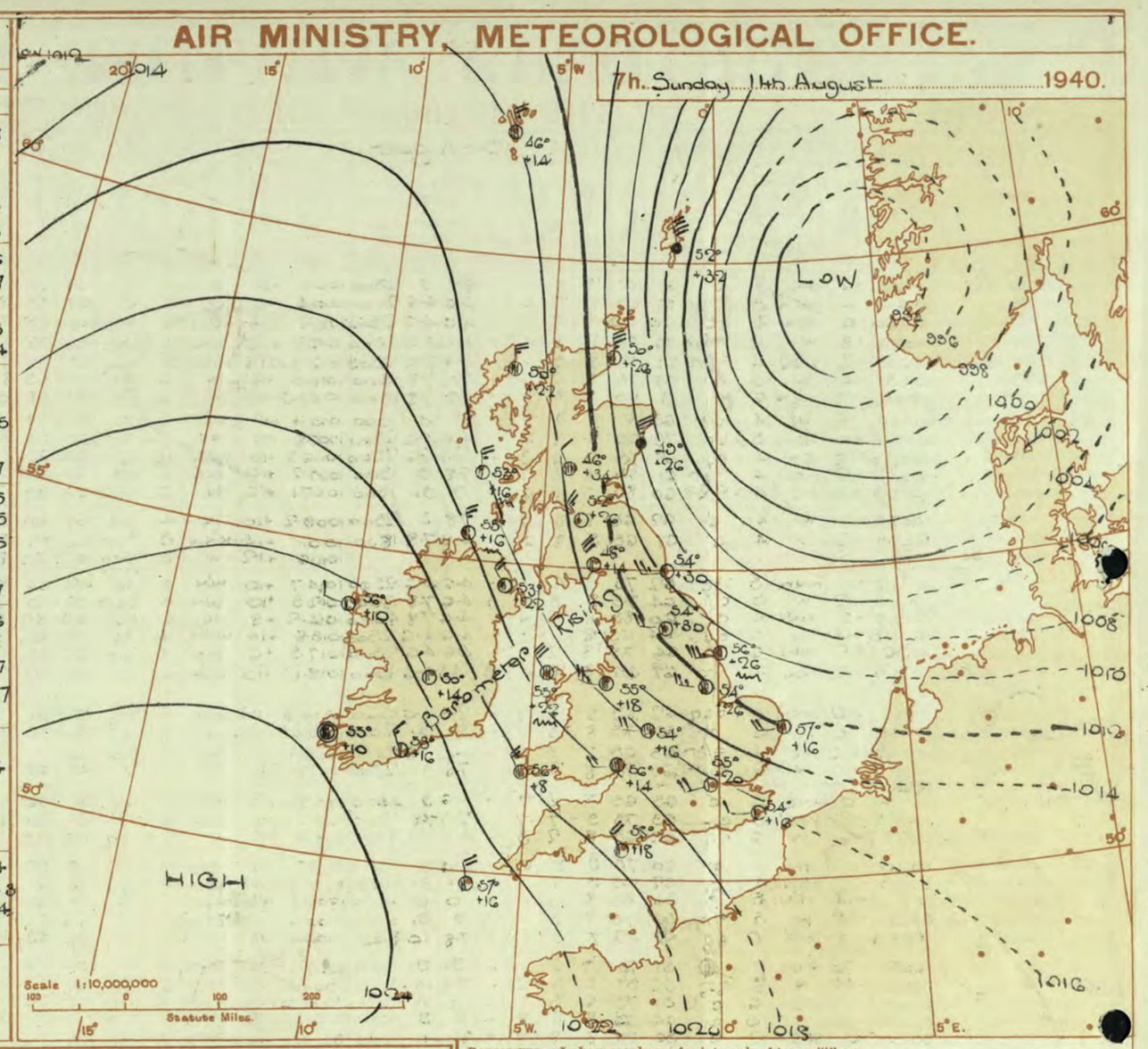
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Sunday 11th August 1940.

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 10th August			18h. G.M.T.			01h. G.M.T. 11th August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	82	62734	30188				62	62648	63768	6-	61648	61768
115				--	67309	65769	52	14735	63728	52	14845	61627
203												
206	8-	25948	25288	86	81756	26587	5-	02847	63487	53	02855	28325
210	81	02844	28487	8-	81838	59688	6-	81738	63628	52	02847	61628
220	62	14745	26828	62	81844	28587				83	02854	30426
230	62	61635	59768				97	81746	20788	87	25856	28487
245	97	81945	24467				5-	02757	65527			
260	83	02956	57627	52	62852	57468				54	01964	23215
277	87	25844	59687	57	14733	94787	5-	02767	59627	54	01864	29584
279												
285	9-	81637	24687	9-	81748	26688						
288	87	02854	22527	83	02855	55527	5-	61648	57668	54	02854	22465
273	97	10554	24787							36	10653	28315
301	83	81745	53686	83	25745	61686				5-	02857	36527
321	87	25754	56485	87	82745	24487	50	01663	57613	53	02764	26525
299	8-	02745	22415	87	01743	24614	5-	05647	24687	5-	02745	24465
292	83	02945	24427	86	02854	23585	57	02764	24426	54	02854	28465
310	--	25628	24588									
316	87	81645	22486				5-	01743	26483	57	25846	26487
333	87	01854	26425	86	01955	28515	40	01754	59514	8-	02956	28516
334	--	81746	55588	--	25755	26585						
340	8-	02956	57586	83	02955	57485	8-	01855	24415	57	02945	24427
136	86	02845	22585	86	25854	56585	50	01843	23683	57	02844	24527
336	--	63754	28567	--	63742	24667						
350												
368	26	02854	57624	96	81846	57586	10	00861	25201	84	01754	26314
379	26	02854	22425				00	05690	22200			
390	26	01754	22515	86	02855	57616						
382	87	01964	55415				00	00790	20300			
438	80	02744	24614							53	01753	24514
430	83	01844	54563	80	01854	57514	50	00751	00001	04	00890	24208
409	50	01853	28653	20	05852	58502	50	01745	30315	53	01844	30314

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



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 11th August
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate northwest wind fresh locally on coasts decreasing and backing west. Bright intervals and local showers at first becoming fair. Cool.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Fresh squally northwest wind strong locally on coasts decreasing and backing west. Bright intervals and local thundery showers at first becoming fair later. Cool.
13 A. W. Scotland. B. N.W. Scotland.	Moderate northwest wind backing south tomorrow. Mainly fair. Perhaps rain tomorrow morning. Cool
~~14 Mid Scotland~~ 15 N. E. Scotland 16 Orkneys and Shetlands	Fresh or strong north wind, gale on coast, moderating and backing southwest. Occasional rain at first at first. Fair later. Cool.
17 N. W. Ireland 18 N. E. Ireland	Light or moderate northwest wind, backing south. Fair, perhaps occasional rain late in period. Cool.
19 S. E. Ireland	As 0-6
20 S. W. Ireland	As 17-18

GENERAL INFERENCE.

A deep depression off Southwest Norway is moving east-northeast and a wedge of high pressure is approaching from the Atlantic. There will be bright intervals and local showers at first but weather will become mainly fair generally later. Rain may reach Northwestern districts late in the period

FURTHER OUTLOOK.

Fair in the South. Unsettled in the Northwest. Gale warning issued at 0800 on 10.8.40 in districts 12, 13 A and B, 17, and 19; at 11.30 on 10.8.40 in districts 15 and 16 and at 15.10 on 10.8.40 in districts 2, 10 and 11.

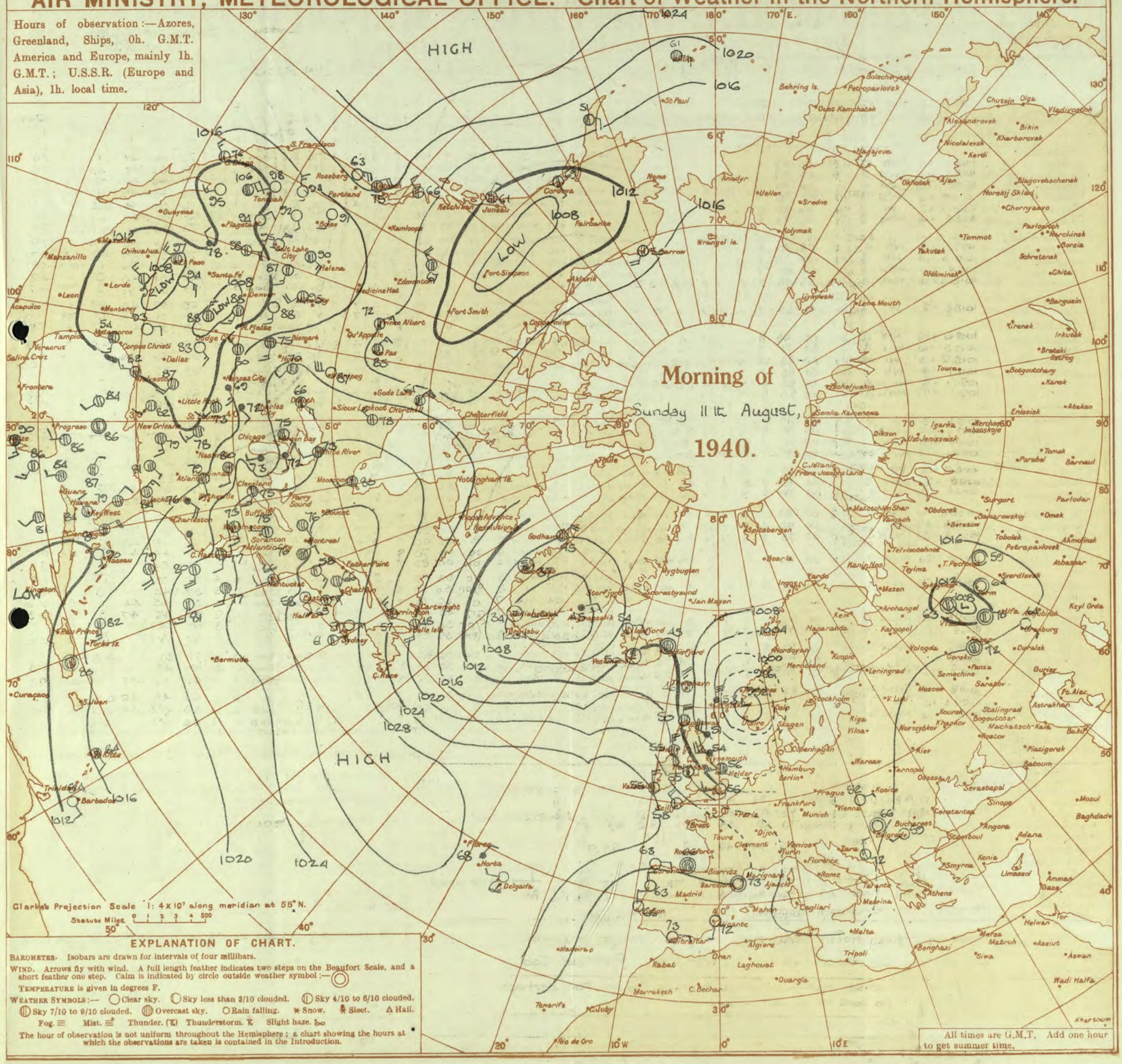
Forecasts issued at 10.30 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation :—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 11th August 1940.

No. 28752

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1014.4	+8	W'S	3	b	55	85	8	-	-	-	0	0	-
	S. Farnborough	226	1015.1	+10	SW'W	3	b	52	92	7	-	-	-	0	0	-
	Boscombe Down	417	1015.9	+10	W'N	4	b	54	85	7	-	-	-	0	0	-
	Calshot (Sthmtn.)	8	1015.9	+6	W'N	3	b	57	75	7	-	-	-	0	0	-
	Lympne ...	346	1015.2	+8	W	3	b	54	85	8	-	-	-	0	0	-
	Manston ...	154	1013.8	+14	WSW	3	b	55	85	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1012.8	+14	W'S	4	b	58	75	8	-	-	-	0	0	-
	Gorleston ...	5	1010.0	+10	W'S	3	bc	57	75	7	5	-	-	2-3	2-3	2500
	Mildenhall ...	19	1011.4	+10	WSW	4	b	54	85	7	5	-	-	1	1	4000
	Cranwell ...	240	1010.0	+6	WNW	5	bc	53	85	7	5	-	-	2-3	2-3	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1018.8	+6	W	2	b	51	85	7	-	4	-	0	Tr	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1018.0	+12	NW	5	b	58	65	8	-	-	-	0	0	-
	Bristol ...	209	1016.5	+10	W'N	3	b	53	75	7	-	-	-	0	0	-
	Portland Bill ...	32	1018.2	+10	W	4	bc	59	85	8	5	-	-	4-6	4-6	4000
	Plymouth ...	82	1018.7	+6	W'S	3	b	57	85	7	5	-	-	Tr	Tr	1500
	The Lizard ...	240	1020.1	+8	NW'W	4	bc	57	85	8	8	6	-	4-6	4-6	2500
	Scilly (St.Mary's)	163	1021.1	+12	NW'N	4	b	58	85	8	2	-	-	1	1	2500
	Guernsey ...	175														
6	Pembroke ...	142	1018.1	+8	W	6	bq	56	85	8	1	-	-	Tr	Tr	2500
7	Holyhead ...	26	1015.0	+14	WNW	6	bc	55	75	8	2	-	-	2-3	2-3	2800
	Chester(Sealand)	16	1013.4	+10	W'N	6	c/pr	55	75	7	8	-	-	9+	9+	1800
8	Manchester ...	70	1011.4	+14	W'N	5	pr	53	85	7	8	-	-	4-6	4-6	1500
10	Spurn Head ...	29	1006.6	+10	W'S	7	c	56	75	6	5	-	-	7-8	7-8	4000
	Catterick ...	175	1006.9	+18	WNW	5	c	54	85	7	5	3	-	4-6	9+	2500
	Tynemouth ...	108	1004.5	+20	W	5	ir	54	85	6	6	-	-	10	10	1500
11	St. Abbs Head	280	1003.6	+40	WNW	8	r°r°	53	85	7	5	2	-	9	10	1500
	Leuchars ...	36	1005.3	+42	NW	6	c	55	65	8	5	7	-	7-8	9	3500
12	Renfrew (Abbots I.)	19	1009.3	+34	NW'W	5	c/r	53	75	7	5	2	-	4-6	10	2300
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1011.4	+20	NW'N	7	bc	55	85	8	9	-	-	4-6	4-6	1500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1010.1	+20	N	6	c	50	75	6	8	7	-	9	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1002.8	+30	NNW	6	ir	51	92	6	5	2	-	9	10	450
16	Lerwick ...	156	996.8	+10	N'E	6	c/r	53	97	7	8	2	-	7-8	10	800
17	Blacksod Point	18	1020.8	+10	WNW	2	c	54	75	8	3	-	-	7-8	7-8	2500
18	Malin Head ...	84	1015.6	+16	N	5	c	55	85	7	8	-	-	7-8	7-8	4000
	Aldergrove ...	268	1014.8	+16	WNW	4	c/pr	51	85	7	8	-	-	7-8	7-8	4000
19	Birr Castle ...	173	1019.8	+10	NW	1	b	50	85	8	-	-	-	0	0	-
20	Valentia Obsy.	30	1022.6	+6	N	1	bc	55	92	8	8	-	-	2-3	2-3	2500
	Roches Point	22	1021.1	+10	NW'W	4	b	54	92	8	5	-	-	Tr	Tr	4000

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1017.3	+22	W	3	bc	57	65	8	5	-	5	Tr	2-3	4000	0	*
Croydon	1017.1	+20	W'S	4	b	55	75	8	1	4	-	Tr	1	2500	0	*
S. Farnborough	1017.9	+22	W'S	3	bc	54	75	7	-	4	5	0	2-3	-	0	*
Boscombe Down	1018.8	+22	W'N	3	bc	53	85	8	5	7	1	Tr	2-3	2000	1	*
Calshot (Sthmtn.)	1018.7	+20	WNW	4	bc	56	75	8	-	4	-	0	2-3	-	0	2
Lympne	1017.5	+16	W'N	2	b	54	75	8	1	3	1	Tr	1	2500	0	§2
Manston	1016.1	+16	W'N	4	bc	57	75	8	5	4	-	2-3	2-3	1000	0	*
Shoeburyness	1016.3	+16	W'N	4	c	58	65	8	7	-	-	1	9	4000	0	*
Felixstowe	1014.9	+14	W'N	5	bc	56	75	9	5	-	-	4-6	4-6	5700	0	4
Gorleston	1012.3	+16	W	4	c	57	75	7	6	3	-	4-6	7-8	2500	0	3
Mildenhall	1014.3	+18	W	5	c	54	85	8	5	-	-	9+	9+	2000	0	*
Cranwell	1013.7	+26	WNW	5	c	54	75	8	5	-	-	9+	9+	2000	0	*
Birmingham	1016.4	+16	WNW	4	c	54	75	8	5	7	-	7-8	9+	2500	0	*
Upper Heyford	1017.0	+20	W	3	c	54	75	8	5	7	-	9	9+	4000	1	*
Ross-on-Wye	1018.1	+14	W'N	4	c	56	65	8	5	-	-	7-8	7-8	4000	1	*
Hartland Point	1020.9	+18	NNW	4	bc	56	75	8	2	4	8	2-3	4-6	2500	0	3
Bristol	1019.7	+22	W'N	3	c	56	75	8	2	6	-	4-6	7-8	3000	0	*
Portland Bill	1020.2	+18	NW	4	bc	58	75	8	5	-	-	2-3	2-3	4000	0	3
Plymouth	1021.7	+10	WNW	1	bc	57	75	8	2	-	6	1	4-6	1800	0	1
The Lizard	1023.1	+20	NNW	3	bc	56	85	8	8	6	-	4-6	4-6	3000	0	2
Scilly (St.Mary's)	1022.8	+16	NNW	4	bc	57	75	8	8	4	4	2-3	4-6	2500	0	2
Guernsey																
Pembroke	1020.6	+8	NW	4	bc	56	85	8	5	6	-	4-6	4-6	1500	0	2
Holyhead	1017.7	+22	NW	6	c/pr	55	85	8	7	3	-	4-6	9	3500	0	4
Chester(Sealand)	1016.5	+18	WNW	5	c/pr	55	65	8	8	-	-	9+	9+	1500	1	*
Manchester	1015.2	+26	W'N	4	c/d	53	75	8	5	-	-	9+	9+	3500	1	*
Spurn Head	1011.0	+26	W	7	cq	56	75	3	5	-	-	9+	9+	1500	1	4
Catterick	1012.3	+30	WNW	4	bc	54	75	8	-	9	-	0	4-6	-	0	*
Tynemouth	1011.2	+30	W	5	bc	54	75	8	8	4	-	4-6	4-6	3600	1	2
St. Abbs Head	1008.7	+22	NW	8	cq	53	75	9	8	6	4	4-6	9	1500	1	4
Leuchars	1010.8	+30	NW	5	c/r	53	65	9	5	7	-	7-8	7-8	2500	1	*
Renfrew (Abbots I.)	1014.0	+26	NW'W	5	b	52	65	9	5	4	-	Tr	Tr	3200	1	*
Eskdalemuir	1011.8	+14	NW	6	bc	48	75	8	1	7	2	1	4-6	1500	1	*
Point of Ayre	1015.9	+26	NNW	6	bc	55	85	8	8	6	-	2-3	2-3	2500	0	4
Tiree	1016.9	+16	NNW	5	bc	53	75	8	8	3	-	2-3	4-6	2500	0	4
Stornoway	1014.6	+22	N	5	c/pr	50	75	8	5	7	-	7-8	10	1500	1	3
Dalwhinnie	*	+34	NW	2	c	46	75	7	5	-	-	9+	9+	1500	1	*
Aberdeen	1007.8	+26	NNW	7	r°r°	49	92	6	6	2	-	9	9+	800	1	2
Wick	1008.1	+26	NNW	7	c/pr	50	85	7	5	2	-	9	10	800	1	3
Lerwick	1002.1	+32	N'W	8	p°p	52	97	7	6	2	-	7-8	10	800	1	*
Blacksod Point	1022.4	+10	NW'W	2	bc	56	85	8	3	5	-	2-3	4-6	1500	0	1
Malin Head	1018.8	+16	N'W	5	c	55	75	8	9	5	-	4-6	7-8	5700	0	4
Aldergrove	1018.3	+22	NW	4	c	53	75	8	5	-	-	10	10	2500	1	*
Birr Castle	1022.0	+14	NW	1	bc	50	85	8	-	3	-	0	2-3	-	0	*
Valentia Obsy.	1023.7	+10	-	0	c	55	85	8	5	-	-	9	9	4000	0	1
Roches Point	1023.3	+16	NW	3	bc	53	85	8	5	-	5	1	2-3	4000	0	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 10th Hrs. (36)
London (Kew)	70	54	47	1	-	7.3
Croydon	72	52	48	0.1	-	7.6
S. Farnborough	71	48	44	2	-	8.3
Boscombe Down	66	48	42	2	Tr	7.2
Calshot (Sthmtn.)	70	51	48	0.4	-	8.3
Lympne	69	51	47	0.4	-	5.5
Manston	73	50	51	0.1	-	5.8
Shoeburyness	72	53	49	0.3	-	7.2
Felixstowe	75	53	50	0.2	-	5.7
Gorleston	70	53	50	1	0.1	6.2
Mildenhall	65	51	45	3	-	5.2
Cranwell	69	52	51	2	Tr	4.7
Birmingham	65	52	49	0.3	-	7.4
Upper Heyford	69	51	44	Tr	Tr	*
Ross-on-Wye	65	52	47	2	-	7.8
Hartland Point	62	55	53	0.6	-	11.2
Bristol	66	50	44	1	-	8.5
Portland Bill	64	57	*	-	-	*
Plymouth	66	53	45	-	-	11.2
The Lizard	66	52	*	-	-	12.8
Scilly (St.Mary's)	67	56	*	-	-	12.9
Guernsey						
Pembroke	62	54	*	-	-	10.7
Holyhead	62	54	53	Tr	Tr	4.2
Chester(Sealand)	64	53	49	0.4	1	2.6
Manchester	64	51	49	1	4	2.6
Spurn Head	68	53	*	-	1	5.6
Catterick	64	51	50	Tr	1	3.5
Tynemouth	68	52	50	Tr	2	
St. Abbs Head	61	52	*	0.2	2	*
Leuchars	63	52	49	Tr	1	0.2
Renfrew (Abbots I.)	60	49	43	2	Tr	0.5
Eskdalemuir	57	44	44	2	0.5	0.4
Point of Ayre	60	54	*	4	-	3.8
Tiree	58	52	*	Tr	-	1.3
Stornoway	57	49	*	3	1	0.0
Dalwhinnie	57	45	44	1	8	0.0
Aberdeen	65	48	47	3	2	0.3
Wick	59	49	*	3	3	*
Lerwick	57	52	*	5	4	0.0
Blacksod Point	61	51	*	0.3	0.2	*
Malin Head	59	49	*	-	1	4.5
Aldergrove	61	50	47	1	0.3	2.6
Birr Castle	64	49	46	0.2	-	7.5
Valentia Obsy.	63	52	44	0.1	Tr	6.4
Roches Point	66	52	*	0.6	-	*

LONDON OBSERVATIONS

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew...	18	cr°rcpr°	cyc prbc	bcybn'	70	54	47	1	-	7.3	•	•	8
Croydon ...	217	d°m°pr°	bcyc	cy.b	72	52	48	0.1	-	7.6	•	•	8
Greenwich (Royal Observatory)...	149	c rcrc	cBcyv	cbwcyv	73	51	43	0.5	-	6.6	43	52	8
City (Bunhill Row) ...	—	•	•	•	72	54	49	2	•		63	71	•
Westminster (St. James' Park) ...	27	•	•	•									•
Regents Pk. (Botanic Gardens)‡...	168	•	•	•									•
Camden Square ...	110	c	bc	•	73	53	47	Tr	-	•	•	55	•
Kensington ...	80	bcp	bc	•	73	53	48	2	Tr		43	54	•
Hampstead Observatory ...	450	orbc	bc .. c		70	50	45	1	-		•	73	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 11th

South Kensington.

Max.	Time.	Min.	Time.

Kew Observatory.

Max.	Time.	Min.	Time.
40·1	whole period		

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 10th August Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 11th August Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...														
Brussels ...														
Berlin ...														
Zürich ...														
Rome ...											•	•		

EXPLANATION of FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 —Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1½ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6¼ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30 —Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Precipitous.
4 Rough.	9 Confused.

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

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

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Monday 12th August 1940.

No. 28753

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1019·3	+6	WNW	3	c	63	45	8	8	-	1	7-8	7-8	2500
	Croydon ...	1019·4	+6	NW	4	c	63	55	8	5	-	-	9	9	2500
	S. Farnborough	1020·0	+6	W	4	c	64	55	8	5	4	1	4-6	7-8	2500
	Boscombe Down	1020·3	+4	NW'W	4	c	61	55	8	8	-	-	7-8	7-8	2500
	Calshot (Soton.)	1020·6	+8	NW'N	4	c	63	55	8	7	-	-	9	9	5700
	Lympne ...	1019·6	+12	WNW	3	c	62	45	8	7	6	-	4-6	9	3000
	Manston ...	1018·9	+12	WNW	5	c	63	55	8	2	6	-	7-8	9+	2200
2	Shoeburyness ...	1019·3	+16	WNW	3	c	63	55	8	7	-	-	7-8	7-8	2500
	Felixstowe ...	1017·9	+14	WNW	5	c	61	55	8	8	-	-	7-8	7-8	3000
	Gorleston ...	1016·1	+12	WNW	3	c	61	85	7	8	-	-	9	9	2400
	Mildenhall ...	1017·3	+12	W'N	5	c	62	55	8	8	-	-	9	9	3900
	Cranwell ...	1017·0	+14	WNW	5	bc	64	45	7	7	-	-	4-6	4-6	2500
3	Birmingham	1019·4	+14	NW	4	bc	60	55	8	7	-	-	4-6	4-6	4000
	Upper Heyford	1019·5	+6	WNW	4	c	62	55	9	8	-	-	7-8	7-8	2500
4	Ross-on-Wye ...	1020·4	+4	NW	5	bc	62	55	8	7	-	-	4-6	4-6	4000
5	Hartland Point	1023·3	+8	NW	4	bc	59	75	9	2	4	-	2-3	4-6	2500
	Bristol ...	1021·3	+8	WNW	3	c	63	55	9	8	-	-	9	9	2800
	Portland Bill ...	1021·7	+10	W	3	c	63	85	8	5	4	-	4-6	9	4000
	Plymouth ...	1023·0	+6	NNW	4	bc	(57)	55	8	1	-	1	4-6	4-6	3000
	The Lizard ...	1024·3	+6	W'N	4	bc	65	55	8	8	9	-	4-6	4-6	3500
	Scilly (St. Mary's)	1024·8	+8	N'W	2	bc	64	55	8	7	-	3	2-3	2-3	2500
	Guernsey ...														
6	Pembroke ...	1023·5	+14	WNW	3	bc	60	75	8	2	6	1	2-3	4-6	2500
7	Holyhead ...	1021·2	+14	WNW	4	bc	60	65	8	8	4	1	4-6	4-6	3000
	Chester (Sealand)	1021·0	+18	WNW	6	c	54	75	8	8	-	-	9	9	3000
8	Manchester ...	1018·8	+16	NW'W	5	c	59	65	8	8	6	-	4-6	7-8	2500
10	Spurn Head ...	1015·8	+16	W'N	5	c	61	55	8	5	-	-	9+	9+	2500
	Catterick ...	1016·3	+14	NW	3	bc	62	55	8	8	-	-	4-6	4-6	3500
	Tynemouth ...	1015·3	+18	WNW	5	bc	59	55	8	2	-	-	4-6	4-6	2500
11	St. Abbs Head	1014·6	+30	NW	6	cq	57	55	9	7	3	-	4-6	7-8	2500
	Leuchars ...	1014·9	+16	NW	5	c	60	45	9	4	9	-	4-6	7-8	3200
12	Renfrew (Abbots I.)	1017·6	+12	NW	5	c	58	55	9	7	-	-	7-8	7-8	3800
	Eskdalemuir ...	1015·9	+14	NW	4	bc	59	45	8	7	-	1	2-3	2-3	2500
	Point of Ayre ...	1019·3	+20	NNW	6	b	61	65	8	4	4	-	Tr	1	4000
13A	Tiree ...	1020·0	+10	NNW	3	bc	59	65	8	2	6	-	2-3	4-6	2500
13B	Stornoway ...	1018·8	+14	NNW	5	c	56	65	8	8	7	-	7-8	7-8	2500
15	Dalwhinnie ...	1017·9	+12	NW	3	c	55	55	8	7	-	-	7-8	7-8	1500
	Aberdeen ...	1013·9	+26	NNW	6	c/r	52	75	8	5	-	-	9+	9+	1500
	Wick ...	1014·1	+30	NNW	7	c/pr	52	65	7	5	7	-	7-8	9+	1500
16	Lerwick...	1009·0	+34	N'W	7	c/r	52	92	7	6	2	-	7-8	10	800
17	Blacksod Point..	1024·3	+4	W'S	1	bc	61	75	9	3	-	-	2-3	2-3	2500
18	Malin Head ...	1021·5	+16	N'W	3	bc	55	65	8	2	-	2	2-3	4-6	5700
	Aldergrove ...	1021·2	+8	NNW	4	bc	59	55	9	7	-	-	4-6	4-6	3000
19	Birr Castle ...	1023·4	+6	WSW	2	c	63	55	8	8	7	-	4-6	9+	1500
20	Valentia Obsy. †	1025·4	+4	NW'W	3	bc	63	65	9	8	-	-	4-6	4-6	2500
	Roches Point ...	1024·6	+2	NW	3	c/pr	62	65	9	8	-	-	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1020·7	+8	NNW	3	c	64	45	8	5	-	-	9	9	2500	0	*
Croydon	1020·0	+2	NW	3	c	64	55	8	8	-	-	7-8	7-8	2500	0	*
S. Farnborough	1020·9	+6	WNW	3	bc	64	45	9	8	6	-	4-6	4-6	3500	0	*
Boscombe Down	1021·5	+8	NW	4	bc	62	55	8	2	-	-	4-6	4-6	3000	0	*
Calshot (Soton.)	1020·3	+2	NW	3	bc	63	55	8	7	-	-	4-6	4-6	3500	0	1
Lympne	1020·3	+6	WNW	2	bc	63	45	8	2	6	-	4-6	4-6	3500	0	§ 2
Manston	1019·8	+2	NW	3	bc	63	55	7	4	-	-	4-6	4-6	4000	0	*
Shoeburyness	1020·5	+6	NW	2	bc	62	45	8	7	-	-	4-6	4-6	4000	0	*
Felixstowe	1018·7	+6	WNW	5	b	65	45	8	4	-	1	1	1	4500	0	2
Gorleston	1018·5	+12	NNE	3	bc	60	75	7	8	-	-	4-6	4-6	2500	0	2
Mildenhall	1019·1	+12	WNW	4	bc	61	55	8	4	-	-	4-6	4-6	4000	0	*
Cranwell	1019·4	+10	WNW	4	bc	61	55	7	4	-	-	4-6	4-6	5000	0	*
Birmingham	1021·2	+10	NW	4	bc	59	55	8	7	-	-	4-6	4-6	4000	0	*
Upper Heyford	1020·7	+4	NW	3	bc	61	55	7	4	-	-	2-3	2-3	3500	0	*
Ross-on-Wye	1021·8	+4	WNW	5	bcq	61	45	8	1	-	-	2-3	2-3	4000	0	*
Hartland Point	1023·9	0	WNW	3	bc	59	65	9	1	4	-	1	2-3	2500	0	2
Bristol	1022·2	+10	NNW	3	bc	61	55	9	4	-	-	2-3	2-3	3500	0	*
Portland Bill	1022·6	+2	NW	3	bc	63	85	8	5	-	-	4-6	4-6	4000	0	3
Plymouth	1023·9	+6	(N'W)	4	bc	62	55	9	4	-	(5)	4-6	4-6	4000	0	2
The Lizard	1024·6	+2	NW	4	bc	61	55	8	4	-	-	2-3	2-3	2500	0	2
Scilly (St. Mary's)	1025·1	0	NNW	3	b	62	55	8	7	-	-	Tr	Tr	2500	0	2
Guernsey																
Pembroke	1024·2	0	W'N	3	bc	61	75	9	1	7	-	Tr	2-3	3000	0	2
Holyhead	1022·3	+2	W'N	3	c	60	65	8	8	4	-	9+	9+	3000	0	2
Chester (Sealand)	1022·4	+8	WNW	4	c	58	75	8	2	-	-	7-8	7-8	3500	0	*
Manchester	1020·9	+14	WNW	4	c	58	65	8	8	-	-	7-8	7-8	3000	1	*
Spurn Head	1018·0	+8	-	0	c	59	65	8	2	-	-	7-8	7-8	4000	0	2
Catterick	1018·6	+12	NW'W	3	bc	61	55	8	8	6	6	2-3	4-6	3000	0	
Tynemouth	1017·8	+10	N	4	bc	56	65	8	2	4	-	4-6	4-6	2500	1	2
St. Abbs Head	1016·9	+10	NW	5	bcq	57	55	9	4	4	4	2-3	4-6	2500	0	3
Leuchars	1018·0	+16	NW	5	c	60	45	9	7	7	6	7-8	9	2500	1	*
Renfrew (Abbots I.)	1019·8	+12	NW	5	bc	59	65	9	1	3	3	1	2-3	4000	0	*
Eskdalemuir	1018·2	+6	NW	4	bc	56	55	8	7	3	1	2-3	4-6	2500	0	*
Point of Ayre	1021·4	+14	NNW	5	b	58	75	8	-	6	-	0	Tr	-	0	4
Tiree	1021·5	+4	NW'W	2	c	56	75	8	7	3	-	4-6	7-8	4000	0	2
Stornoway	1020·5	+4	NW	4	bc	56	75	8	2	7	6	2-3	4-6	2500	1	2
Dalwhinnie	1018·7	+10	NNW	1	bc	53	55	8	7	-	-	4-6	4-6	2500	0	*
Aberdeen	1016·8	+18	N'W	5	bc	54	65	8	7	4	9	2-3	4-6	2500	0	3
Wick	1017·0	+12	NNW	7	cq	52	65	7	8	7	1	4-6	7-8	1500	1	3
Lerwick	1013·7	+8	N'W	6	c	51	85	7	8	7	-	7-8	9+	800	1	*
Blacksod Point	1024·6	0	WSW	1	bc	60	65	9	2	-	-	2-3	2-3	2500	0	2
Malin Head	1023·0	+6	N'W	3	bc	57	75	8	7	3	-	2-3	4-6	5700	0	3
Aldergrove	1022·8	+10	NW'N	3	c	58	65	9	2	-	1	7-8	7-8	2500	1	*
Birr Castle	1023·8	+2	NNW	2	c	63	65	8	5	-	-	9	9	2500	0	*
Valentia Obsy. †	1026·0	+2	NW'W	3	b	62	65	9	2	-	6	Tr	1	2500	0	2
Roches Point	1024·4	-2	NW	3	bc	62	75	9	5	-	-	4-6	4-6	2500	0	2

PAST 24 HOURS — WEATHER

Stations	7h.—13h. 11th (37)	13h.—18h. 11th (38)	18h. 11th to 1h. 12th (39)	1h.—7h. 12th (40)
London (Kew)	bccy	cy	cbcbyby	cm$_0$w
Croydon	cy	cbcy	bcybyb	bw
S. Farnborough	bcycbc	bcy	bcyb	bwm$_0$
Boscombe Down	bc	cybc	bcy,b	bm$_0$w
Calshot (Soton.)	bcycy	cybcy	byb	bbw
Lympne	bccy	cbcy	bcbyb	bwb
Manston	bcc	cbc	bcb	bc
Shoeburyness	bbcc	cybc	b	bcb,b
Felixstowe	bcc	bcy	bybbm$_0$	bm$_0$bm$_0$w
Gorleston	cq	c	bcb	bc
Mildenhall	ccy	cbcyv	bcybw	bwm$_0$
Cranwell	cbcy	bccbc	bcybbm$_0$	bm$_0$z$_0$
Birmingham	cbc	bc	bcb	b
Upper Heyford	c	bcy	bcyb	b
Ross-on-Wye	c	cybcy	bb	bw
Hartland Point	bc	bc	bc	bcbbc
Bristol	bccy	cbcy	bcybw	bw
Portland Bill	bcc	cbc	bb	bcbc
Plymouth	bcbcy	bybcy	bcybyb	bbm$_0$w
The Lizard	bcy	bcy	bcb	bbcb
Scilly (St. Mary's)	bcy	bcby	b	b
Guernsey				
Pembroke	qbc	qvbc	bq	b
Holyhead	cbc	bcyc	cb	bbcbw
Chester (Sealand)	cpr$_0$	cbcc	cbbcw	bcw
Manchester	cbcc	cbcyc	cbcbw	bs$_0$wmbc
Spurn Head	cqc	bcc	cbcb	bcb
Catterick	bbcy	cybcy	bcyb	bbwbc
Tynemouth	bc	bc	bc	cbc
St. Abbs Head	cqy	cqbcy	bcb	bbc
Leuchars	cbccy	c	cbybw	bwbcwb
Renfrew (Abbots I.)	bbcy	cbcby	b	bbccw
Eskdalemuir	bcbcy	bcy	bcybw	bwcw
Point of Ayre	bcb	b	bb	
Tiree	bc	bcc	cbc	bcc
Stornoway	c	crrbc	cbw	bc
Dalwhinnie	cbc	bc		c
Aberdeen	r$_0$cir$_0$	cbc	bcb	bwbc
Wick	irprq	cq	cqcqbc	cqbcprc
Lerwick	crrir	c	c	c
Blacksod Point	bc	bc	c	c
Malin Head	bc	bc	cpr$_0$c	c
Aldergrove	cb,cbcy	bcycbc	bc	bwcir$_0$c
Birr Castle	bccy	c	bcb	bbcc
Valentia Obsy. †	cpr$_0$cbcv	bcvbv	bcvbw	bwc
Roches Point	pr$_0$c	cbc	bcb	cbcb

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_0$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_0$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ. line squall. l, lightning.
o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_0$, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
Solar halo. lunar halo. Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus :—bc/r, fair weather after rain ; —, has decreased ; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

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

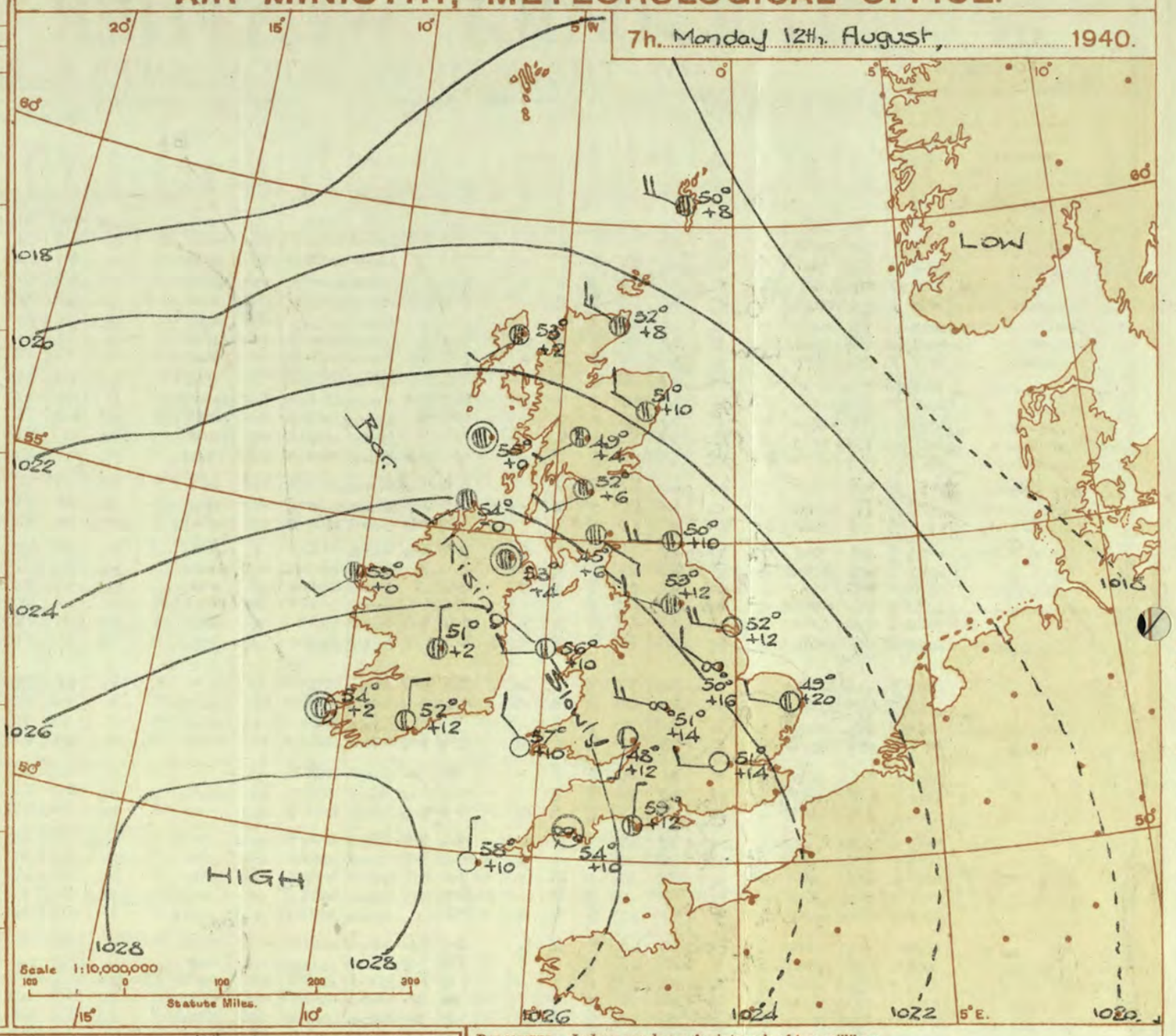
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday 12th. August, 1940.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 11th. August				18h. G.M.T.		01h. G.M.T. 12th. August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	77	02745	62767				04	01890	26212	5-	02856	27826
115	56	14844	61625	87	01944	28524	71	01844	28416	55	03344	24428
203												
206	83	01964	28424	8-	01955	26325	5-	01864	00014	5-	02865	26225
210	5-	02857	29627				5-	01954	26314	5-	02966	20227
220	10	01963	28204	14	01953	27204				52	03745	26128
230	7-	01965	29525				83	01962	24113	5-	02967	22227
245				44	01954	30624	50	01844	30214	50	01954	23314
260	10	01968	24315	24	01964	26314	00	00790	25100	03	04590	20103
277	80	14955	28615	70	00952	27512	50	00851	26201	54	02767	24227
279												
285										20	01743	28413
288	86	02856	60417	86	02865	06216	00	00790	20220	00	01790	22204
273										53	05664	16308
301	80	01854	63524	26	01863	61514	50	01763	30313	80	02865	32215
321	80	01764	27514	26	01762	26512	00	05690	26210	04	05690	26201
290	82	02744	28517	57	01744	32314	50	05643	26213	57	05653	26213
292	10	01964	28414	46	01963	29414	40	00751	26211	40	01951	30103
310										--	01633	32413
316	8-	02755	59515	8-	00862	61312	50	01661	26201	00	08490	24201
333	87	02964	26425	83	02965	26326	50	00861	00001	24	00851	28102
334										--	01851	32102
340	8-	02956	28426	80	01963	28413	50	00861	28211	70	01964	26214
136	86	02855	26425	86	02765	25525	00	05690	24310	20	05651	26201
336										--	01852	04413
350				40	01964	59414				00	05690	27201
368				1-	01955	29315	40	00861	30101	10	00961	30101
379	18	01854	26414	40	01854	30314	00	00790	28100	10	01751	28201
390	7-	05664	26514	40	02865	26415	00	00790	26310	00	05690	25300
382	7-	01855	59415	40	01864	28324	00	00790	00000	00	01850	26301
438	5	01855	24315							10	01762	30302
430							00	00790	28200	10	00861	28102
409	73	01954	32314	10	00951	31411				10	00951	00001

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



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 12th August 1940
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light northwest wind, variable on coast, becoming mainly west or southwest tomorrow; fine; becoming warmer.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Wind backing west or southwest, light or moderate; cloud increasing, perhaps slight rain tomorrow; temperature rising somewhat.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands 17 N. W. Ireland	Light or moderate southwest to west wind; mainly cloudy, occasional rain later; temperature rising slightly.
18 N. E. Ireland 19 S. E. Ireland	As 7-11.
20 S. W. Ireland	As 12-17.

GENERAL INFERENCE.

A large anticyclone extending from the Azores to the British Isles is increasing in intensity and spreading East. A trough of low pressure extending southwards from Iceland is moving East. Weather will be fine in the South but slight rain will spread over Northern districts.

FURTHER OUTLOOK.

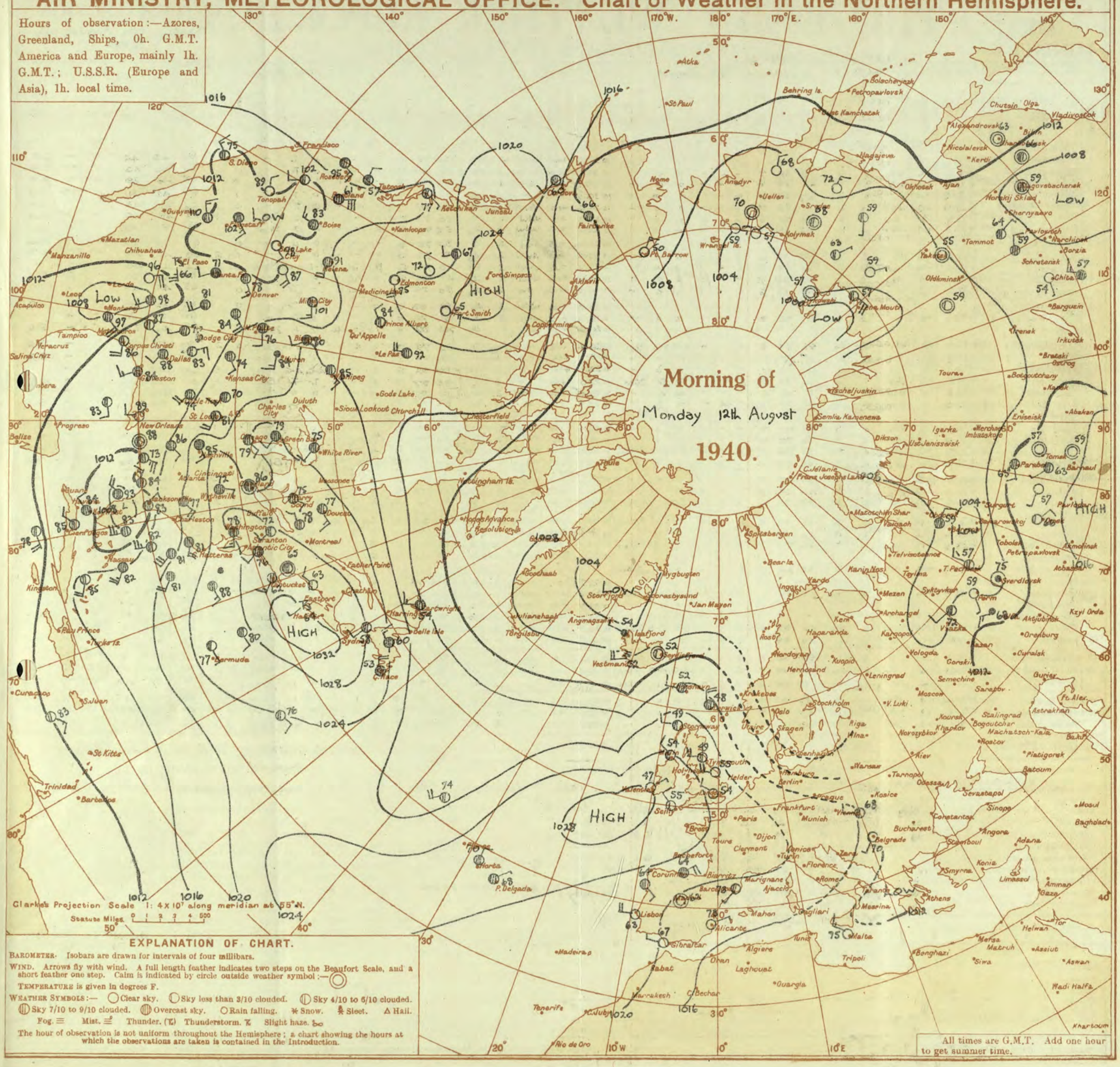
Mainly fair in the South, rather unsettled in the North

Forecasts issued at 10.20 h.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 12th August, 1940.

No. 28,753.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1023.5	+8	WNW	2	b	54	65	7	-	-	-	0	0	-
	S. Farnborough	226	1024.3	+10	W'S	1	b	44	85	8	-	-	-	0	0	-
	Boscombe Down	417	1024.9	+10	-	0	b	47	85	7	-	-	-	0	0	-
	Calshot (Sthmtn.)	8	1023.8	+6	NW'N	3	b	51	85	7	-	-	-	0	0	-
	Lympne ...	346	1023.3	+8	NW	2	b	48	75	8	-	-	-	0	0	-
	Manston ...	154	1022.5	+4	NW'N	4	b	55	65	7	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1022.3	+4	NW'W	3	Z_0	53	75	6	-	-	-	0	0	2600
	Gorleston ...	5	1020.5	+10	W	3	b	50	75	7	-	-	-	0	0	-
	Mildenhall ...	19	1022.1	+6	WSW	2	b	45	85	7	-	-	-	0	0	-
	Cranwell ...	240	1022.2	+6	W'N	2	Z_0	47	85	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1024.0	+3	-	0	b	45	92	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1024.8	+2	NNW	3	bc	50	85	9	4	-	-	2-3	2-3	4000
	Bristol ...	209	1025.2	+4	-	0	b	50	85	7	-	-	-	0	0	-
	Portland Bill ...	32	1024.5	+6	W	3	b	60	85	8	-	-	-	0	0	-
	Plymouth ...	82	1025.9	+2	NNE	1	b	50	85	8	5	-	-	Tr	Tr	2500
	The Lizard ...	240	1026.3	0	NNW	2	b	51	92	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1026.5	0	NNW	2	bc	55	95	8	-	4	-	0	1	-
	Guernsey ...	175														
6	Pembroke ...	142	1025.1	+2	NNW	3	b	57	97	8	-	-	-	0	0	-
7	Holyhead ...	26	1024.9	+6	NW'N	3	b	55	75	8	-	-	-	0	0	-
	Chester (Sealand)	16	1024.8	+6	W'N	2	bc	51	75	7	5	-	-	2-3	2-3	3500
8	Manchester ...	70	1023.6	+10	NW'W	2	b	40	97	7	-	-	-	0	0	-
10	Spurn Head ...	29	1021.0	+6	W	4	b	55	85	7	-	-	-	0	0	-
	Catterick ...	175	1022.2	+12	WNW	2	b	49	85	7	-	-	-	0	0	-
	Tynemouth ...	108	1021.7	+18	W	4	bc	49	75	6	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	1021.2	+14	NW	3	b	52	75	8	4	-	-	Tr	Tr	2500
	Leuchars ...	36	1021.6	+14	W	2	b	46	75	9	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	1023.3	+12	WSW	1	b	46	92	8	5	-	-	Tr	Tr	2600
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1023.9	+10	NNW	4	b	55	85	8	5	-	-	1	1	2500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1022.3	+6	W	2	bc	49	92	7	5	-	-	4-6	4-6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1020.2	+12	WNW	2	bc	45	97	8	5	-	-	2-3	2-3	2500
16	Lerwick ...	156	1017.5	+14	N'W	4	c	48	85	7	8	7	-	7-8	10	1500
17	Blacksod Point	18	1025.2	0	S	2	c	58	85	8	5	-	-	10	10	1500
18	Malin Head ...	84	1024.1	+6	NW	2	bc	54	85	8	5	-	-	4-6	4-6	5700
	Aldergrove ...	268	1024.7	+4	W'N	1	b	52	85	8	5	-	-	1	1	3500
19	Birr Castle ...	173	1026.2	+4	NNW	1	b	49	92	8	-	-	-	0	0	-
20	Valentia Obsy.	30	1027.6	+2	ENE	1	b	47	92	9	-	-	-	0	0	-
	Roches Point	22	1026.6	+2	N	3	b	53	92	8	-	-	-	0	0	-

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	1025.5	+14	WNW	2	Z_0	52	75	6	-	-	1	0	Tr	-	0	*
	Croydon ...	1025.2	+14	W'N	2	b	51	85	7	-	-	1	0	Tr	-	0	*
	S. Farnborough	1026.0	+14	W'S	1	bc	48	85	8	-	-	1	0	Tr	-	0	*
	Boscombe Down	1026.5	+14	-	0	Z_0	47	92	7	-	-	1	0	Tr	-	1	*
	Calshot (Sthmtn.)	1025.6	+10	NNW	2	b	54	85	7	-	4	-	0	Tr	-	0	1
	Lympne ...	1024.2	+8	NNW	2	b	50	75	7	-	-	-	0	0	-	0	§*
	Manston ...	1024.1	+16	WNW	3	Z_0	54	85	6	5	-	-	9	9	900	0	*
2	Shoeburyness ...	1024.6	+12	NNW	3	b	53	75	8	-	-	-	0	0	-	0	*
	Felixstowe ...	1023.8	+10	NW'N	2	Z_0	51	85	6	-	-	-	0	0	-	0	2
	Gorleston ...	1023.4	+20	WNW	2	bc	49	85	6	5	3	-	2-3	4-6	2500	0	2
	Mildenhall ...	1024.3	+16	WSW	2	Z_0	47	92	6	-	-	-	0	0	-	0	*
	Cranwell ...	1024.4	+16	NW	2	Z_0	50	75	6	-	-	1	0	Tr	-	0	*
3	Birmingham ...	1025.3	+14	WNW	3	Z_0	51	85	6	-	-	1	0	Tr	-	0	*
	Upper Heyford	1025.3	+10	WNW	3	b	51	75	8	-	-	5	0	Tr	-	0	*
4	Ross-on-Wye	1026.6	+12	SSW	1	bc	48	92	8	1	-	5	Tr	1	2500	0	*
5	Hartland Point	1026.4	+12	N	2	bc	60	75	9	1	4	-	1	2-3	2500	0	2
	Bristol ...	1027.1	+14	-	0	b	49	92	7	5	-	1	1	1	1800	0	*
	Portland Bill ...	1026.1	+12	N	1	bc	59	92	8	5	-	-	4-6	4-6	4000	0	3
	Plymouth ...	1027.0	+10	-	0	Z_0	54	97	5	2	-	-	Tr	Tr	900	0	1
	The Lizard ...	1026.6	+6	NW	2	b	51	97	8	-	-	-	0	0	-	0	1
	Scilly (St. Mary's)	1027.5	+10	N	1	bc	58	85	8	1	-	4	Tr	Tr	2500	0	1
6	Pembroke ...	1026.8	+10	N'W	2	b	57	97	8	-	-	-	0	0	-	0	1
7	Holyhead ...	1025.8	+10	W	2	b	56	85	8	2	4	5	Tr	2-3	2500	0	1
	Chester (Sealand)	1026.0	+14	NW'N	3	bc	57	65	8	2	-	1	4-6	4-6	2800	0	*
8	Manchester ...	1025.2	+10	WSW	1	Z_0	49	92	5	5	3	2	2-3	7-8	3500	1	*
10	Spurn Head ...	1023.6	+12	W'N	4	b	52	85	6	-	-	-	0	0	-	0	3
	Catterick ...	1024.2	+12	WNW	2	bc	53	75	8	-	-	6	0	7-8	-	0	*
	Tynemouth ...	1023.0	+10	W	3	bc	50	85	6	2	-	1	4-6	4-6	3800	0	2
11	St. Abbs Head	1022.3	+12	WNW	3	bc	52	65	9	1	4	6	Tr	4-6	2500	0	2
	Leuchars ...	1022.8	+10	SW	2	b	49	75	9	-	-	1	0	2-3	-	1	*
12	Renfrew (Abbots I.)	1023.9	+6	SW'W	2	c	52	85	8	5	-	-	9+	9+	5700	0	*
	Eskdalemuir ...	1024.3	+6	SE'S	1	c	45	92	8	5	-	-	9	9	1500	0	*
	Point of Ayre ...																
13A	Tiree ...	1022.7	0	-	0	c	55	85	8	5	-	7	9+	9+	2500	0	1
13B	Stornoway ...	1022.2	+2	SW	1	c	53	85	8	5	7	-	9	10	2500	1	1
15	Dalwhinnie ...	1023.7	+4	SW	1	c	49	45	8	8	-	-	9+	9+	2500	1	*
	Aberdeen ...	1022.0	+10	NW'W	2	bc	51	75	8	1	3	-	Tr	2-3	4000	1	2
	Wick ...	1020.5	+8	NW	3	c	52	92	8	5	7	-	7-8	9	2500	1	1
16	Lerwick ...	1018.5	+8	WNW	4	c	50	92	8	5	7	-	7-8	9	1500	1	*
17	Blacksod Point	1024.2	0	SW	2	c	59	85	8	5	-	-	7-8	10	1500	0	2
18	Malin Head ...	1023.8	0	SW	2	c	54	92	8	9	-	-	9	9	4000	0	2
	Aldergrove ...	1025.0	+4	-	0	c	53	92	8	5	-	-	10	10	1500	1	*
19	Birr Castle ...	1026.0	+2	N	1	c	51	92	8	5	1	-	7-8	10	2500	0	*
20	Valentia Obsy.	1027.3	+2	-	0	c	54	92	9	5	-	-	9+	9+	2500	0	1
	Roches Point	1027.8	+12	N	2	bc	52	92	8	5	-	5	1	2-3	4000	0	1

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F. (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 11th Hrs. (36)
1	London (Kew)	66	48	44	-	-	6.3
	Croydon ...	66	46	36	-	-	8.6
	S. Farnborough	68	40	29	-	-	8.2
	Boscombe Down	65	42	31	-	Tr	7.9
	Calshot (Sthmtn.)	66	47	43	-	-	9.8
	Lympne ...	65	45	35	-	-	11.4
	Manston ...	67	50	47	-	-	10.1
2	Shoeburyness ...	68	47	39	-	-	9.6
	Felixstowe ...	69	48	45	-	-	8.9
	Gorleston ...	64	45	46	-	-	*
	Mildenhall ...	67	40	31	-	Tr	5.4
	Cranwell ...	65	44	40	-	-	7.0
3	Birmingham ...	63	45	39	-	-	8.9
	Upper Heyford	66	41	31	-	-	*
4	Ross-on-Wye	64	40	32	-	-	8.0
5	Hartland Point	59	57	53	-	-	13.0
	Bristol ...	65	42	32	-	-	8.8
	Portland Bill ...	64	58	*	-	-	*
	Plymouth ...	64	48	38	-	-	12.[illegible]
	The Lizard ...	66	49	*	-	-	12.7
	Scilly (St. Mary's)	65	54	*	-	-	13.3
6	Pembroke ...	62	57	*	-	*	12.1
7	Holyhead ...	63	53	49	-	-	7.4
	Chester (Sealand)	61	47	41	0.1	-	6.4
8	Manchester ...	61	35	30	-	-	9.5
10	Spurn Head ...	63	51	*	-	-	4.0
	Catterick ...	69	45	41	-	-	10.2
	Tynemouth ...	61	45	42	-	-	*
11	St. Abbs Head	58	50	*	-	-	*
	Leuchars ...	62	43	37	-	-	6.6
12	Renfrew (Abbots I.)	62	44	39	-	-	10.6
	Eskdalemuir ...	61	41	33	-	-	12.4
	Point of Ayre ...			*	-		
13A	Tiree ...	60	52	*	-	-	9.7
13B	Stornoway ...	58	47	*	0.1	-	7.5
15	Dalwhinnie ...	55	40	31	-	Tr	3.2
	Aberdeen ...	55	45	38	Tr	-	2.4
	Wick ...	54	45	*	0.1	Tr	*
16	Lerwick ...	54	48	*	1	-	0.1
17	Blacksod Point	62	49	*	0.5	-	*
18	Malin Head ...	58	50	*	-	Tr	1[illegible]
	Aldergrove ...	61	47	44	-	Tr	7.2
19	Birr Castle ...	65	42	39	-	-	5.3
20	Valentia Obsy.	63	46	43	Tr	Tr	7.8
	Roches Point	65	52	*	Tr	-	*

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 Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew ...	18	bccy	cy	cbcbymo	66	48	44	-	-	6.3	*	*	8
Croydon ...	217	cy	cbcy	bcybybw	66	46	36	-	-	8.5	*	*	7
Greenwich (Royal Observatory) ...	149	cy	cy	cb	68	47	37	-	-	6.5	38	59	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	67	49	44	—		6.2	63	70	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	67	49	45	-	-		59	62	*
Camden Square ...	110	c	vc	*	70	50	49	-	-	*	*	63	*
Kensington ...	80	bc	bc	*	69	48	44	-	-		68	46	*
Hampstead Observatory ...	450	bc	bc	b	68	46	39	-	-		*	75	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 12th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.
<0.1	Whole	Period.	

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 11th August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 12th August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...														
Brussels ...														
Berlin ...														
Zürich ...														
Rome ...														

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Preciptious.
4	Rough.	9	Confused.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Tuesday 13th August 1940.

No. 28754

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility. 0–9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	025.5	-2	N'W	3	bc	64	48	8	1	-	-	4-6	4-6	4000
	Croydon	025.8	-2	NW'N	2	bc	66	48	8	4	-	-	2-3	2-3	4000
	S. Farnborough	026.4	-4	NW	3	bc	65	45	8	1	-	1	2-3	4-6	4000
	Boscombe Down	026.0	-2	NNW	3	bc	63	48	8	1	-	1	4-6	4-6	3000
	Calshot (Soton.)	025.7	-2	NW'N	3	bc	66	48	8	1	-	1	1	4-6	4000
	Lympne	025.2	+2	N	1	c	64	48	8	2	-	-	7-8	7-8	3500
	Manston	025.2	+2	NNE	2	bc	65	43	7	1	-	1	2-3	2-3	1000
2	Shoeburyness	026.7	-2	W'S	1	bc	66	55	8	2	-	-	4-6	4-6	2500
	Felixstowe	024.8	+2	S'W	3	c	63	55	8	4	-	-	7-8	7-8	3000
	Gorleston	024.6	+2	NE	5	c	62	55	7	2	-	-	7-8	7-8	2500
	Mildenhall	024.7	-2	W	3	c	67	48	7	7	-	-	7-8	7-8	2600
	Cranwell	025.0	-6	NNW	2	z	66	35	6	1	-	-	7-8	7-8	3000
3	Birmingham	025.9	0	NNW	2	c	63	45	9	7	-	-	7-8	7-8	4000
	Upper Heyford	025.5	0	NW'W	3	bc	65	55	7	1	-	-	2-3	2-3	3000
4	Ross-on-Wye	025.9	-6	W	2	bc	65	45	8	1	-	-	2-3	2-3	4000
5	Hartland Point	027.8	+4	WNW	2	bc	62	75	9	1	4	-	2-3	2-3	4000
	Bristol	026.7	-6	NNW	2	bc	64	55	9	1	-	1	2-3	2-3	3000
	Portland Bill	026.4	-2	W	3	bc	63	75	8	1	-	-	4-6	4-6	4000
	Plymouth	026.8	-4	W	2	bc	65	55	9	1	-	-	4-6	4-6	2500
	The Lizard	028.1	+2	W	4	bc	62	85	8	2	-	-	4-6	4-6	3000
	Scilly (St. Mary's)	028.0	+2	WNW	2	bc	60	55	8	7	-	4	1	2-3	2500
	Guernsey														
6	Pembroke	027.6	0	W	2	bc	62	92	9	1	-	-	2-3	2-3	4000
7	Holyhead	026.7	+2	WSW	3	bc	65	55	9	7	3	1	2-3	4-6	4000
	Chester (Sealand)	026.8	-2	NW'N	4	c	62	55	9	8	-	-	7-8	7-8	2500
8	Manchester	026.0	+2	W'N	3	c	62	65	8	7	-	-	4-6	9+	2500
10	Spurn Head	024.5	0	W	4	c	63	55	7	1	-	-	9	9	4000
	Catterick	024.7	-2	NNW	2	c	61	55	9	5	-	-	9	9	4200
	Tynemouth	024.2	+2	SW	2	c	58	75	8	8	-	-	9	9	4000
11	St. Abbs Head	023.5	0	N	1	bc	59	55	8	5	3	-	2-3	4-6	2500
	Leuchars	022.7	-6	SW	3	bc	64	46	8	4	-	-	4-6	4-6	3200
12	Renfrew (Abbots L.)	024.1	-2	WSW	3	c	59	75	8	5	-	-	10	10	3100
	Eskdalemuir	024.1	-2	W	3	c	57	65	8	5	-	-	9+	9+	2500
	Point of Ayre	025.6	0	WNW	4	c	65	75	8	7	3	-	4-6	9+	4000
13A	Tiree	022.2	-2	SSW	4	dd	59	97	5	-	2	-	10	10	450
13B	Stornoway	021.8	-6	SSW	5	c	55	75	8	5	7	-	7-8	10	2500
15	Dalwhinnie	023.4	+2	SSW	1	c	57	65	8	2	4	-	9	9+	2500
	Aberdeen	022.5	0	NNW	3	bc	60	55	8	7	-	-	4-6	4-6	4000
	Wick	021.7	+6	W	2	c	59	85	8	8	7	1	4-6	7-8	2500
16	Lerwick	020.3	+12	NW	4	c	56	75	8	5	7	-	7-8	9	1500
17	Blacksod Point	024.6	+2	SSW	3	0	61	97	6	5	-	-	10	10	4150
18	Malin Head	023.5	-4	SSW	3	c/d	60	85	7*	5	-	-	9	9	2500
	Aldergrove	025.2	-2	SSW	3	c	60	75	8	5	2	-	4-6	10	1800
19	Birr Castle	026.4	-2	SW	1	c	63	75	8	5	1	-	7-8	10	2500
20	Valentia Obsy. †	028.1	+6	SW'W	3	c	63	75	8	5	-	-	10	10	2500
	Roches Point	027.6	-2	SSW	3	c	61	75	9	5	-	-	7-8	7-8	2500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	024.7	-4	NNW	2	bc	67	45	8	1	-	-	2-3	2-3	2500	0	*
	Croydon	024.1	0	NW	2	bc	62	55	8	1	-	-	2-3	2-3	4000	0	*
	S. Farnborough	024.0	-2	NNW	3	b	66	45	8	5	-	-	1	1	5700	0	*
	Boscombe Down	025.2	-8	N'W	3	bc	65	45	8	1	-	-	2-3	2-3	3000	0	*
	Calshot (Soton.)	024.9	-6	N'W	3	bc	68	55	8	1	-	1	2-3	2-3	4000	0	1
	Lympne	025.1	-2	SW	2	bc	61	65	8	1	-	-	2-3	2-3	3500	0	§1
	Manston	024.6	-2	SSW	3	b	62	65	6	-	-	-	0	0	-	0	*
2	Shoeburyness	024.7	-2	NW	1	bc	64	65	8	7	-	-	4-6	4-6	5700	0	*
	Felixstowe	023.9	-6	SSW	2	b	64	65	7	4	-	-	1	1	5000	0	1
	Gorleston	024.8	+4	-	0	bc	62	55	7	5	-	-	2-3	2-3	2500	0	2
	Mildenhall	023.8	-6	WNW	2	z	66	55	6	7	-	-	4-6	4-6	3000	0	*
	Cranwell	024.8	+2	NW	3	z	63	55	6	-	-	-	0	0	-	0	*
3	Birmingham	025.1	-2	NW	3	c	62	55	9	5	-	-	7-8	7-8	4000	0	*
	Upper Heyford	025.0	+2	WNW	3	b	65	55	7	1	-	-	1	1	4000	0	*
4	Ross-on-Wye	025.1	-6	NW	2	c	64	65	9	4	-	-	7-8	7-8	4000	0	*
5	Hartland Point	027.0	-4	NW	2	bc	61	75	9	1	-	-	2-3	2-3	4000	0	2
	Bristol	025.3	-6	W	3	bc	63	65	8	4	6	-	2-3	2-3	4000	0	*
	Portland Bill	025.8	-4	W	3	bc	62	85	8	5	-	-	2-3	2-3	4000	0	3
	Plymouth	026.4	-4	NW'N	4	b	65	55	8	4	-	5	7	7	4000	0	2
	The Lizard	027.1	-6	NW	4	bc	64	55	8	7	-	-	2-3	2-3	3000	0	1
	Scilly (St. Mary's)	027.6	-6	NW	2	b	66	55	8	1	-	-	1	1	2500	0	0
6	Pembroke	026.9	-4	WNW	2	bc	62	85	9	-	7	6	0	2-3	-	0	1
7	Holyhead	025.6	-8	SW'S	3	c	60	75	8	5	-	-	10	10	3000	0	1
	Chester (Sealand)	026.2	-6	NNW	3	bc	61	65	8	1	4	-	1	2-3	4000	0	*
8	Manchester	026.7	-2	W'N	3	bc	59	65	8	7	-	-	4-6	4-6	3500	0	*
10	Spurn Head	024.4	0	E'N	2	c	58	65	7	4	-	-	9	9	4000	0	2
	Catterick	024.2	-2	NW'N	2	c	60	65	8	5	-	-	9+	9+	4000	0	
	Tynemouth	023.7	-4	W	3	c	60	75	8	8	-	-	9	9	3200	0	1
11	St. Abbs Head	022.6	-6	NW	3	bc	61	75	8	4	4	-	4-6	4-6	2500	0	1
	Leuchars	021.8	-4	WSW	3	c	62	75	8	7	-	-	7-8	7-8	2800	0	*
12	Renfrew (Abbots L.)	023.6	-6	SW'W	2	id	58	85	6	5	7	-	7-8	10	2400	1	*
	Eskdalemuir	020.8	-2	WSW	3	id	55	92	7	5	-	-	10	10	800	1	*
	Point of Ayre	024.9	-8	WS	3	c	62	75	8	-	7	-	0	10	-	0	2
13A	Tiree	021.3	0	WSW	4	f	58	97	2	-	-	-	10	10	4150	1	2
13B	Stornoway	020.7	-6	S	4	c/pr	57	97	7	5	2	-	4-6	10	1500	1	2
15	Dalwhinnie	022.7	-2	SSW	1	o	59	75	7	5	-	-	10	10	1500	0	*
	Aberdeen	022.1	-2	S'W	2	bc	57	65	8	5	-	-	4-6	4-6	4000	0	1*
	Wick	021.5	0	SE	3	bc	55	75	8	5	6	-	4-6	7-8	2500	1	1
16	Lerwick	020.1	-2	W'N	2	bc	55	85	8	5	4	-	4-6	4-6	2500	0	*
17	Blacksod Point	024.3	-2	SW	2	dd	61	97	6	6	-	-	10	10	4150	1	2
18	Malin Head	022.8	-2	W'S	3	df	60	97	6	5	-	-	9+	9+	800	0	2
	Aldergrove	023.0	-10	SW	3	c	61	92	8	5	-	-	10	10	500	1	*
19	Birr Castle	025.6	-6	W	1	c	63	85	8	5	1	-	7-8	10	2500	0	*
20	Valentia Obsy. †	027.1	-6	SW'W	3	c	63	85	8	5	-	-	9+	9+	1500	0	2
	Roches Point	026.7	-4	SSW	3	c	62	85	9	5	-	-	7-8	7-8	2500	0	2

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 12th (37)	Weather. 13h.—18h. 12th (38)	Weather. 18h. 12th to 1h. 13th (39)	Weather. 1h.—7h. 13th (40)
1	London (Kew)	bmwbcy	bcy	bcybw	bbcmo
	Croydon	bbcy	bcby	bcbz	bmowcmo
	S. Farnborough	bcy	bcby	bcybmo	bmowc
	Boscombe Down	bc	bcby	bcbmo	bmocmo
	Calshot (Soton.)	bcy	bcyby	bybbw	bwmocmo
	Lympne	bbcy	cbcybc	bbw	bwbcc
	Manston	cmbcb	bbz	bbmow	cmow
2	Shoeburyness	bbcbcy	bcy	bcb	bbcmbcmo
	Felixstowe	bmbcy	ybc	bcbmow	bmowcmo
	Gorleston	bccy	cbcy	bcyc	c
	Mildenhall	bmcby	bcybczy	bmobcmo	bcc,bmow
	Cranwell	bzbbc	bcbyz	byzobmo	bmocmo
3	Birmingham	bbc	bc	c	cdo
	Upper Heyford	bbccbcy	bcy	bbcmo	bccmodo
4	Ross-on-Wye	bbcy	bcwy	bcbbw	bcc
5	Hartland Point	bc	bc	bc	bcc
	Bristol	bwbcy	byc	bcb	bcw
	Portland Bill	bcbc	bbc	bb	bcc
	Plymouth	bmwcbcy	by	byb	bbcbmo
	The Lizard	bc	bcy	bbcw	c
	Scilly (St. Mary's)	by	by	bw	bbccw
6	Pembroke	bxbc	bcw	bcw	cwv
7	Holyhead	bcybc	bcyc	cmodor	omododc
	Chester (Sealand)	cybc	bccybc	cmododc	cdodomo
8	Manchester	cmbcc	cbc	cmororo	rorododof
10	Spurn Head	bcc	bcc	cb	cf
	Catterick	bccy	cyc	c	ccidc
	Tynemouth	bcc	bc	cbc	bcco
11	St. Abbs Head	bcy	bc	bcb	bcc
	Leuchars	bcybcy	bcybc	cmobccmo	cidomoc
12	Renfrew (Abbots L.)	cwc	ccmid	cmoidddo	cmcirc
	Eskdalemuir	cwbcc	ccid		idmo
	Point of Ayre	c	c	oidol	dodo
13A	Tiree	odD	odf	ff	fidc
13B	Stornoway	c	cpr	c	cpro
15	Dalwhinnie	c	bcc		c
	Aberdeen	cbcy	bybc		ccwzo
	Wick	c	cbc	bcc	c
16	Lerwick	c	cb	bcc	cido
17	Blacksod Point	o	dd	cbc	c
18	Malin Head	cididc	cdrcmodf	a	c
	Aldergrove	c	cdodmc	cidcmc	idododc
19	Birr Castle	c	oidc	oidc	cidc
20	Valentia Obsy. †	cvc	cmc	cidc	c
	Roches Point	bcc	c	cidc	idc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. * ro, slight rain.
rr, continuous rain.
<, less than (for cloud height). ⸗gale.
⊕ Solar halo. ☽ lunar halo. ⌓Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29—STATE OF GROUND.

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

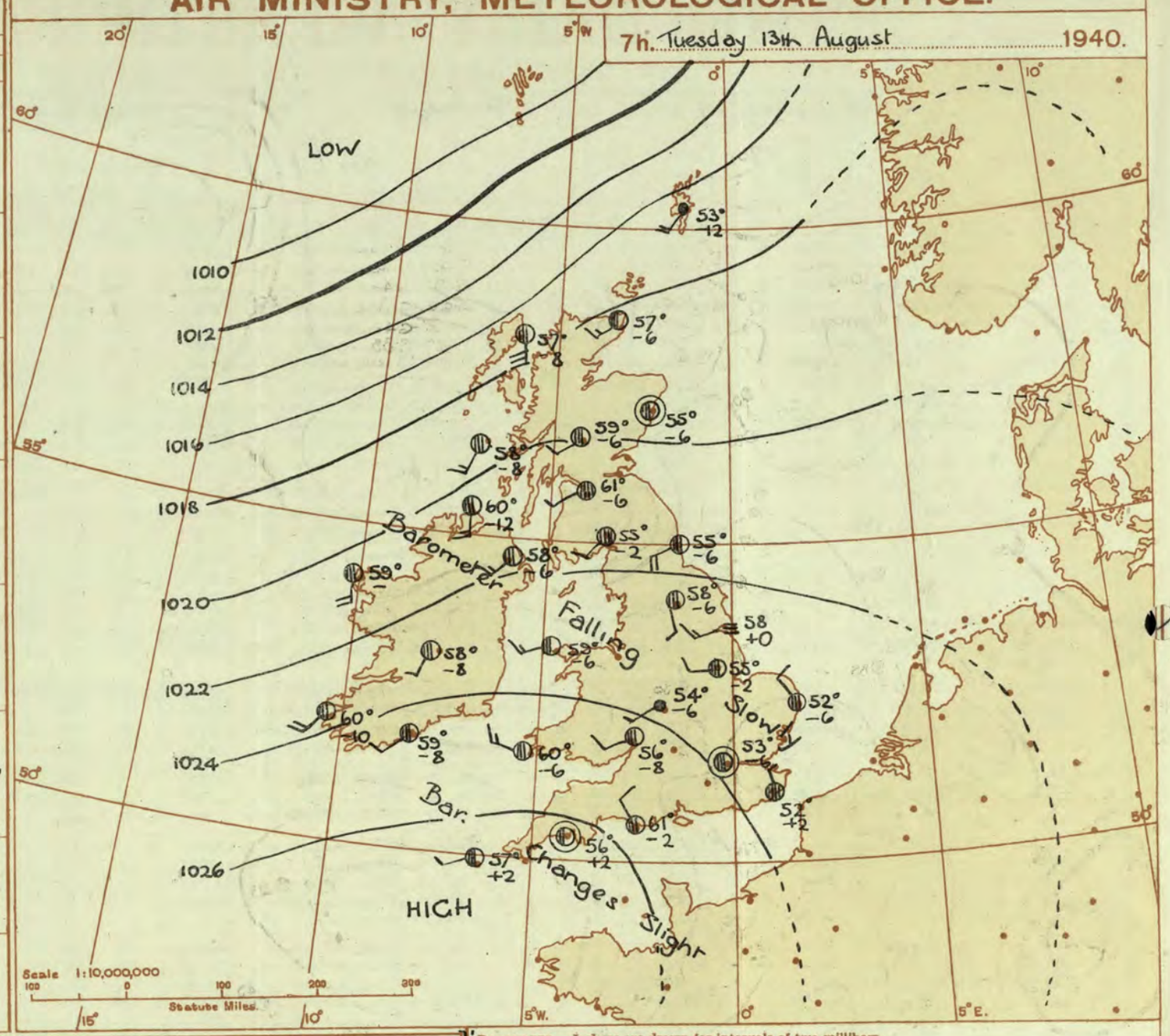
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

AIR MINISTRY, METEOROLOGICAL OFFICE.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 12th August			18h. G.M.T.			01h. G.M.T. 13th August			07h. G.M.T.		
III $C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109 77	01954	26314	5-	02966	23316	02	02790	20327	52	02663	17227
115 52	02944	20427	52	02944	20527	--	48103	20583	52	03735	20548
203											
206 5-	02967	22227	53	01964	22224	5-	61748	23168	53	02965	22266
210 5-	02966	25216	5-	02956	01825	53	02965	00028	53	02954	20125
220 5-	51628	23228	--	57209	21159				53	02744	18226
230			52	52535	20258	5-	41418	22268	57	21724	20358
245 7-	01964	16414	74	01863	06314	50	01764	24114	53	02855	00025
260 5-	02866	26216				5-	05648	23128	53	05636	22327
277 5-	02867	20327	5-	52648	17258	5-	52518	08258	53	09635	20257
279											
285 2-	02847	26527	5-	03748	28428				8-	02637	24427
288 7-	02865	26315	86	01864	23324	5-	05665	22125	5-	02868	19328
273 53	63544	18867							33	01653	16305
301 73	02865	26326	17	01963	25414	02	52548	22258	02	52518	23338
321			70	00762	26312	5-	05667	00027	52	51564	17128
299 50	01743	30213	57	01754	09214	50	05644	24214	57	01744	22126
292 10	02966	28316	46	01864	61325	51	01753	00024	57	05664	18158
310 --	01625	26315	--	02636	26326				--	57109	24349
316 70	05654	26214	40	05654	26214	00	05690	00000	57	05553	26228
333 74	02965	26315	53	02965	22326	5-	02758	22128	5-	54518	00058
334 --	02857	26228	--	01864	26314				--	02735	24227
340 60	02965	27215	50	02967	32327	5-	02758	16128	5-	02848	16258
136 16	01863	24214				00	05690	20100	03	05690	22113
336 --	02853	04415	--	01852	28413				--	02853	32427
350						07	05690	00018	57	05654	24127
368 10	01864	24304	40	01863	25303	50	01854	00004	57	02775	28128
379 70	01754	30314	70	01763	28213	50	05662	30102	5-	02777	26227
390 10	05664	28214	40	05672	26312				53	05655	27326
382 10	01864	30314	10	01863	27313	00	05690	00000	07	02890	00027
438 50	01754	24414							8-	03667	02317
430						00	05690	00000	07	05690	00027
409 10	01953	29213	10	00953	30313	5-	02756	24126	57	02946	00027

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



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 13th August
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Light westerly wind, variable on coast; mainly cloudy but brighter intervals at most places especially in evening; day temperature slightly below the average.
6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light to moderate or fresh southwest wind; cloudy, local drizzle; average temperature.
10 N.E. England	As 0-5
11 S.E. Scotland	Light or moderate southwest wind; cloudy, bright intervals; average temperature
12 S.W. Scotland & Isle of Man.	As 6-9
13 {A. W. Scotld. B.N.W.Scotland.} 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Moderate or fresh southwest wind, strong locally; cloudy, local drizzle, perhaps heavier rain tomorrow; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 6-9

GENERAL INFERENCE.

An anticyclone extends from the Azores to France and a deepening depression centred near the South coast of Iceland is moving east-northeast. Weather will be fair in the South and East with much cloud at times, while in the Northwest weather will be cloudy with local drizzle and perhaps heavier rain tomorrow in the extreme Northwest.

FURTHER OUTLOOK.

Unsettled in the North; mainly fair in the South.

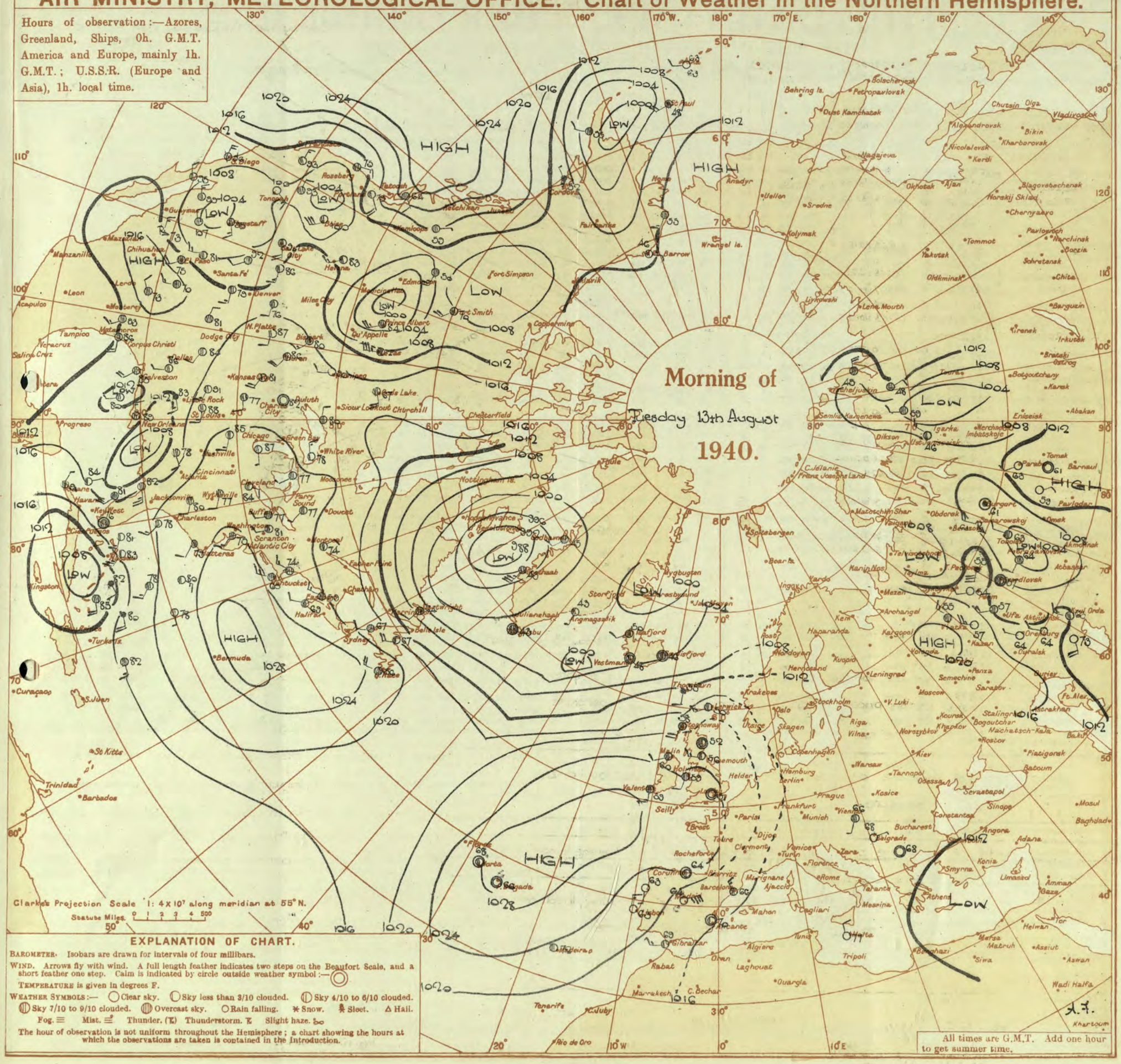
Forecasts issued at 10.30 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation :—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 13th August 1940.

No. 28,754

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	025.1	+2	-	0	b	51	85	6	-	-	-	0	0	-
	S. Farnborough	226	0250	+2	WSW	1	z_0	44	92	6	-	-	-	0	0	-
	Boscombe Down	417	026.1	+2	-	0	z_0	51	92	6	-	-	-	0	0	-
	Calshot (Sthmtn.)	8	025.2	+2	NW'N	3	z_0	55	92	6	-	-	-	0	0	-
	Lympne ...	346	024.7	-4	NW'N	2	b	53	85	7	-	-	-	0	0	-
	Manston ...	154	023.9	-4	WSW	1	z_0	52	85	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	024.0	-6	NW'N	3	z_0	54	92	6	-	-	-	0	0	-
	Gorleston ...	5	024.0	-10	—	0	c	-/	85	6	5	-	-	9	9	1500
	Mildenhall ...	19	024.1	-8	W	1	z_0	48	92	6	5	-	-	4-6	4-6	4000
	Cranwell ...	240	024.8	-8	NW	2	z_0	51	85	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	025.8	-2	-	0	z_0	50	85	6	5	-	-	7-8	7-8	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	026.4	-2	NW	2	bc	58	85	8	4	-	-	4-6	4-6	2500
	Bristol ...	209	026.4	-2	-	0	bc	51	85	7	5	-	-	2-3	2-3	2500
	Portland Bill ...	32	026.5	+8	W	2	b	58	85	8	-	-	-	0	0	-
	Plymouth ...	82	026.7	-8	NNW	2	b	55	85	8	-	-	-	0	0	-
	The Lizard ...	240	027.4	-4	NW	2	bc	54	92	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	027.5	-2	NW'N	1	b	56	92	8	-	-	-	0	0	-
	Guernsey ...	175														
6	Pembroke ...	142	026.0	-2	WSW	2	bc	59	97	8	5	-	-	4-6	4-6	2500
7	Holyhead ...	26	024.6	-6	SSW	2	z_0	59	85	6	5	-	-	10	10	1200
	Chester (Sealand)	16	026.5	-10	SE'S	1	c/d	55	92	6	5	-	-	10	10	1200
8	Manchester ...	70	025.0	-4	S'W	1	c_0c_0	54	92	5	5	-	-	10	10	2600
10	Spurn Head ...	29	024.4	-6	W'N	3	b	56	85	6	-	-	-	0	0	-
	Catterick ...	175	023.6	-10	WSW	2	c	56	88	7	5	-	-	10	10	2500
	Tynemouth ...	108	023.2	-6	W	3	bc	56	85	6	2	-	-	2-3	2-3	4000
11	St. Abbs Head	280	021.8	-8	SW	2	c	56	92	7	5	-	-	9	9	2500
	Leuchars ...	36	021.2	-12	WSW	3	z_0	57	92	6	5	-	-	10	10	2500
12	Renfrew (Abbots I.)	19	022.3	-8	WSW	2	c/d	58	97	5	5	2	-	7-8	10	500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	023.4	-8	N	4	id_0	59	97	7	-	2	-	10	10	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	019.1	-6	SSW	4	c	58	97	7	6	7	-	7-8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	019.6	-12	S	3	c	54	92	7	5	7	-	9	10	1500
16	Lerwick ...	156	019.4	-12	WSW	3	c	50	97	8	5	3	-	4-6	7-8	1500
17	Blacksod Point	18	023.1	-10	SW	2	bc	59	85	8	4	-	-	4-6	4-6	1500
18	Malin Head ...	84	022.4	-6	WSW	2	c	60	92	8	8	-	-	7-8	7-8	1500
	Aldergrove ...	268	023.3	-6	SW	1	c/d	60	97	7	5	-	-	10	10	2500
19	Birr Castle ...	173	025.4	-6	WSW	1	c	59	92	8	5	-	-	10	10	2500
20	Valentia Obsy.	30	025.8	-12	S'E	3	c	59	92	8	5	-	-	10	10	2500
	Roches Point	22	026.4	-6	W	3	c/d	60	92	7	5	-	-	9+	9+	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0–10 (26)	Cloud. Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
London (Kew)	024.3	-4	SW	2	z_0	56	75	5	5	-	-	9+	9+	2600	0	*
Croydon ...	024.2	-6	-	0	z_0	53	85	6	5	3	-	4-6	10	2000	0	*
S. Farnborough	024.7	-6	W	1	c	51	85	7	5	-	-	9+	9+	5000	0	*
Boscombe Down	024.7	-4	W	1	z_0	53	85	6	5	-	-	9+	9+	4000	0	*
Calshot (Sthmtn.)	024.7	0	NW'N	2	z_0	56	85	6	5	7	-	4-6	9	5700	0	0
Lympne ...	024.2	+2	NW'N	1	c	52	85	7	5	-	-	10	10	4000	0	*
Manston ...	023.5	*	NNW	3	z_0	57	75	6	5	-	-	1	1	7000	*	*
Shoeburyness ...	024.3	0	NW'W	2	bc	58	75	6	5	-	-	4-6	4-6	5700	0	*
Felixstowe ...	023.7	0	NNW	3	z_0	53	85	6	5	-	-	Tr	Tr	5000	1	1
Gorleston ...	023.3	-2	NW'W	2	c	52	85	6	5	-	-	9+	9+	2500	0	1
Mildenhall ...	023.9	+2	W'N	2	z_0	51	85	6	-	-	-	0	Tr	-	0	*
Cranwell ...	024.9	-2	W	2	z_0	56	79	6	5	-	-	9	9	3500	0	*
Birmingham ...	023.6	-6	SW	1	id_0	54	92	6	5	2	-	4-6	10	1500	0	*
Upper Heyford	024.4	-6	WNW	2	c	56	85	8	6	7	-	7-8	9+	2500	0	*
Ross-on-Wye	024.1	-8	SW'W	2	c	56	85	8	5	-	-	9+	9+	2500	0	*
Hartland Point	024.8	-4	SW	2	c	59	92	8	8	4	-	2-3	7-8	2500	0	2
Bristol ...	025.3	-4	W	1	c	57	85	7	5	7	-	4-6	7-8	4000	0	*
Portland Bill ...	024.9	-2	NW	2	c	61	85	8	1	4	-	2-3	7-8	4000	0	2
Plymouth ...	025.8	+2	-	0	z_0	56	85	6	1	3	-	Tr	2-3	4000	0	1
The Lizard ...	026.6	0	-	0	c	57	92	8	5	2	-	7-8	9+	1500	0	1
Scilly (St. Mary's)	026.4	+2	WSW	1	c	57	92	8	5	-	-	9	9	2500	0	1
Guernsey ...																
Pembroke ...	024.5	-6	W'N	3	c	60	97	9	8	4	-	9	9+	2800	0	1
Holyhead ...	023.0	-6	WSW	3	c/d	59	97	7	6	2	-	7-8	10	2000	1	2
Chester (Sealand)	023.4	-10	SE	1	0	57	92	5	5	-	-	10	10	700	1	*
Manchester ...	023.2	-6	S'E	1	$d\frac{p}{s}$	55	97	3	-	2	-	10	10	300	1	*
Spurn Head ...	022.4	0	W'S	3	$bc\frac{p}{s}$	58	85	3	5	-	-	4-6	4-6	800	0	2
Catterick ...	021.9	-6	S'E	1	c/d	58	92	8	5	-	-	10	10	3500	0	*
Tynemouth ...	021.5	-6	WSW	4	c	55	92	6	5	-	-	9+	9+	2000	0	1
St. Abbs Head	019.9	-6	NW	2	c	59	85	8	5	7	-	4-6	9	2500	1	1
Leuchars ...	019.5	-6	SW	2	c	60	85	8	5	-	-	9	9	5700	0	*
Renfrew (Abbots I.)	021.0	-6	SW'W	1	c/r	61	92	7	5	-	-	10	10	2100	1	*
Eskdalemuir ...	021.7	-2	SW'S	2	z_0	56	97	5	5	-	-	10	10	2200	1	*
Point of Ayre ...	022.0	-10	W'S	2	c	61	97	7	5	-	-	10	10	2500	1	1
Tiree	018.6	-8	SSW	3	c	58	97	7	5	-	-	9+	9+	1500	1	2
Stornoway ...	016.7	-8	S	6	c	57	97	7	6	7	-	9	9+	800	1	3
Dalwhinnie ...	020.2	-6	SW	1	c	59	92	8	4	3	-	2-3	9	1500	1	*
Aberdeen ...	018.9	-6	-	0	c	55	85	6	-	7	-	0	9+	-	0	1
Wick ...	017.5	-6	SW	3	c	57	92	8	5	7	-	7-8	9+	1500	1	1
Lerwick ...	017.1	-12	SW'S	4	id_0	53	97	6	5	2	-	7-8	10	450	1	*
Blacksod Point	019.5	*	S	4	cq	59	85	8	9	-	-	9+	9+	800	0	3
Malin Head ...	020.0	-12	S	3	c	60	92	8	9	-	-	9	9	5700	0	2
Aldergrove ...	021.6	-6	SW'S	3	c	58	92	8	5	3	-	4-6	9	500	1	*
Birr Castle ...	023.0	-8	SSW	1	c	58	92	8	5	-	-	7-8	7-8	2500	0	*
Valentia Obsy.	023.4	-10	SW'S	4	c	60	75	8	5	-	-	9	9	2500	0	2
Roches Point	024.3	-8	SW	2	c	59	92	8	5	-	-	9+	9+	2500	0	2

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 12th Hrs. (36)
London (Kew)	68	52	37	-	-	13.2
Croydon ...	69	47	37	-	-	13.4
S. Farnborough	69	41	33	-	-	12.7
Boscombe Down	66	49	40	-	-	12.8
Calshot (Sthmtn.)	69	49	45	-	-	14.1
Lympne ...	65	49	40	-	-	11.4
Manston ...	60	*	*	-	*	*
Shoeburyness ...	70	50	42	-	-	11.4
Felixstowe ...	69	51	48	-	-	11.4
Gorleston ...	64	51	46	-	-	10.1
Cranwell ...	69	47	38	-	Tr	11.7
Birmingham ...	68	49	44	-	-	12.3
Upper Heyford	66	54	51	*	Tr	10.0
Ross-on-Wye	68	49	40	-	Tr	*
Hartland Point	68	51	42	-	-	12.3
Bristol ...	65	56	52	-	-	13.3
Portland Bill ...	68	50	39	-	-	12.6
Plymouth ...	65	56	*	-	-	*
The Lizard ...	69	52	43	-	-	12.[illegible]
Scilly (St. Mary's)	68	52	*	-	-	12.[illegible]
Guernsey ...	70	54	*	-	-	13.2
Pembroke ...	63	57	*	-	-	12.9
Holyhead ...	66	56	55	-	2	5.9
Chester (Sealand)	63	55	50	-	1	8.6
Manchester ...	63	49	41	-	1	6.0
Spurn Head ...	66	54	*	-	-	10.2
Catterick ...	65	56	56	-	Tr	8.2
Tynemouth ...	61	54	50	-	-	*
St. Abbs Head	62	54	*	-	-	*
Leuchars ...	67	57	52	-	Tr	8.2
Renfrew (Abbots I.)	61	57	56	Tr	0.1	0.9
Eskdalemuir ...	59	52	52	Tr	0.2	0.5
Point of Ayre ...	67	57	*	-	0.4	2.0
Tiree	60	56	*	2	0.1	0.0
Stornoway ...	59	56	*	Tr	Tr	0.0
Dalwhinnie ...	62	52	45	-	-	2.0
Aberdeen ...	63	51	47	-	-	7.8
Wick ...	61	54	*	-	-	*
Lerwick ...	59	48	*	-	Tr	4.5
Blacksod Point	62	57	*	0.3	Tr	*
Malin Head ...	61	57	*	0.6	Tr	0.[illegible]
Aldergrove ...	62	58	58	0.1	0.4	0.[illegible]
Birr Castle ...	64	57	50	0.1	0.2	0.0
Valentia Obsy.	65	58	54	Tr	Tr	0.9
Roches Point	65	58	*	-	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew ...	18	bm_0wbcy	bcy	$bcybwm_0$	68	52	37	-	-	13.2	*	*	6
Croydon ...	217	bbcy	bcby	$bcbz_0m_0w$	69	47	37	-	-	13.4	*	*	7
Greenwich (Royal Observatory) ...	149	bbcy	bcy	bcybcb	70	51	40	-	-	11.6	38	60	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	71	54	48	—			57	73	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	72	52	48	-	-		49	61	*
Camden Square ...	110	b	bc	*	72	53	49	-	-	*	*	60	*
Kensington ...	80	bc	bc	*	70	52	43	-	-		39	61	*
Hampstead Observatory ...	450	b	b	bc	68	55	51	-	-		*	73	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 13th

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
0.1	5-7hrs 13th	<0.1	Rest of Period.

FOREIGN OBSERVATIONS.

18h. G.M.T. 12th August

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris ...					
Brussels ...					
Berlin ...					
Zürich ...					
Rome ...					

7h. G.M.T. 12th August

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris ...					
Brussels ...					
Berlin ...					
Zürich ...					
Rome ...					

Past 24 Hours.

Stations	Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris ...				
Brussels ...				
Berlin ...				
Zürich ...				
Rome ...				

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 —Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1½ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30 —Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptious.
4 Rough.	9 Confused.

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Wednesday 14th August 1940.

No. 28755

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1022.9	-8	NW'N	2	c	67	65	8	5	7	-	7-8	9+	4000
	Croydon	1022.8	-6	W'S	2	c	67	65	8	5	3	-	4-6	9	3000
	S. Farnborough	1022.8	-14	WSW	3	c	69	55	8	7	3	-	4-6	9+	3000
	Boscombe Down	1023.2	-10	WNW	3	c	68	65	8	5	7	-	9	10	2000
	Calshot (Soton.)	1023.3	-10	SW	3	c	71	65	8	7	3	-	7-8	7-8	5700
	Lympne	1022.7	-10	NW	2	c	64	55	6	7	-	-	9	9	4000
	Manston	1022.3	-8	NW	3	zo	65	55	6	1	-	-	2-3	2-3	3000
2	Shoeburyness	1022.9	-12	SSW	2	c	68	55	7	4	-	-	9	9	5700
	Felixstowe	1021.9	-10	S	3	zo	68	55	6	5	-	-	2-3	2-3	4000
	Gorleston	1022.1	-6	SE	2	c	65	75	6	5	-	-	7-8	7-8	2500
	Mildenhall														
	Cranwell	1022.1	-10	W	3	c/d	63	85	6	5	-	-	7-8	10	500
3	Birmingham	1022.5	-4	WNW	2	c	66	75	8	5	7	-	7-8	10	1500
	Upper Heyford	1022.0	-10	NW	3	c	60	65	8	5	3	-	9	9+	3000
4	Ross-on-Wye	1022.9	-10			c	66	75	8	5	-	-	10	10	2500
5	Hartland Point	1024.9	0	NW	2	c	63	85	8	8	2	-	7-8	9+	2500
	Bristol	1024.1	-4	W	3	c	65	85	8	5	2	-	4-6	10	2000
	Portland Bill	1023.9	-10	WSW	2	roro	61	85	8	5	-	-	10	10	4000
	Plymouth	1025.1	0	W	2	c	63	85	8	5	-	-	10	10	1800
	The Lizard	1026.2	-4	W	4	c	64	75	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	1026.4	0	W	2	bc	68	55	8	7	4	-	2-3	4-6	2500
	Guernsey														
6	Pembroke	1024.5	0	W'S	3	c	58	97	8	8	2	-	7-8	9+	2000
7	Holyhead	1022.1	-6	SW	4	c	65	75	8	8	3	-	4-6	7-8	3500
	Chester (Sealand)	1022.7	-6	NNW	2	iro	63	85	7	5	2	-	9	10	2300
8	Manchester	1022.2	-4	W	3	ido	63	97	5	5	2	-	9	10	800
10	Spurn Head	1021.1	-8	SW	2	o	67	75	6	5	-	-	10	10	3000
	Catterick	1019.8	-10	W	3	c	71	65	8	8	7	-	4-6	9+	2200
	Tynemouth	1019.9	-8	W	3	c	69	75	7	8	3	-	7-8	9	3500
11	St. Abbs Head	1018.2	-8	SW	2	c	63	75	8	5	3	-	4-6	9	3100
	Leuchars	1017.3	-8	SW	3	c	70	65	7	5	7	-	4-6	9+	2800
12	Renfrew (Abbots I.)	1018.9	-14	SW'S	4	c	65	75	8	5	7	-	9	9+	1800
	Eskdalemuir	1019.5	-2	WSW	4	zo	61	85	6	5	-	-	10	10	1500
	Point of Ayre	1020.7	-8	W	4	c	68	75	8	8	4	-	4-6	9	1500
13A	Tiree	1015.4	-10	S	5	cjp	60	85	7	-	2	-	9+	9+	1500
13B	Stornoway	1013.5	-22	SSW	8	c	61	75	8	5	5	-	4-6	9	2500
15	Dalwhinnie	1016.2	-16	SW	3	c	66	75	8	7	5	-	4-6	7-8	1500
	Aberdeen	1016.3	-14	S'E	2	c	67	75	7	2	5	-	1	7-8	4000
	Wick	1015.0	-14	S	3	c	58	92	9	5	7	1	7-8	9+	2500
16	Lerwick	1015.9	-8	S	4	F+	54	97	1	-	-	-	10	10	<150
17	Blacksod Point	1018.6	+6	W	5	c	62	75	7	4	-	2	4-6	4-6	800
18	Malin Head	1017.0	-14	S	3	c	62	75	8	6	-	-	9	9	5700
	Aldergrove	1019.3	-16	SSW	4	c/d	65	75	9	7	-	-	9	9	2200
19	Birr Castle	1021.1	-14	SSW	2	c	67	65	8	8	1	-	7-8	9	1500
20	Valentia Obsy. †	1022.2	-8	SW'S	5	c/d	62	85	7	5	-	-	10	10	1500
	Roches Point	1023.3	-8	SW'W	3	c/pr	61	85	8	8	-	-	7-8	7-8	2500

OBSERVATIONS at 18h. G.M.T. 13th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	Weather 7h.–13h. 13th (37)	Weather 13h.–18h. 13th (38)	Weather 18h. 13th to 1h. 14th (39)	Weather 1h.–7h. 14th (40)
London (Kew)	1020.8	-12	WSW	2	c/pr	67	75	8	5	7	-	7-8	9+	2500	0	*	cmozoc	eproc	cz	cbcw
Croydon	1021.3	-6	W'N	2	c	69	75	8	5	7	-	7-8	10	3000	0	*	cmobc	cdoc	ccmobc	cbc
S. Farnborough	1021.3	-10	W	3	c	68	75	7	5	3	-	4-6	10	3000	0	*	cy	cyproc	cmob	c
Boscombe Down	1021.8	-10	W'N	3	c	66	65	8	-	3	-	0	9+	-	0	*	bcc	c	b	c
Calshot (Soton.)	1021.6	-12	NW'W	3	c	68	75	7	5	3	-	7-8	9+	2500	0	1	cmoiroc	c	c	c
Lympne																§	c		doc	cbc
Manston	1021.0	-10	SSW	2	zo	64	75	6	5	-	-	10	10	3000	0	*	bmobzoy	bzoyczo	czocmo	cmo
Shoeburyness	1020.8	-8	NW	1	c	67	75	8	5	-	-	10	10	4000	0	*	bcmoc	cy	c	cbc
Felixstowe	1020.7	-6	WSW	2	zo	65	75	6	5	-	-	9+	9+	3000	0	2	bmozoy	bzoyczo	czoiromo	cmobc
Gorleston	1020.4	-6	SE'S	4	c	64	65	6	5	3	-	4-6	9	2200	0	2	cbcczo	czoc	ororoc	c
Mildenhall	1019.8	-14	SSW	2	c	67	75	7	5	7	-	7-8	10	4000	0	*		cyc	cmo	c,b,cmow
Cranwell	1019.8	-10	W'N	3	c	70	65	7	5	7	-	7-8	9	2500	0	*	cmododgmo	czocyc	ccmo	cmobcc
Birmingham	1020.8	-14	WNW	3	c	67	65	8	5	7	-	7-8	9	2500	0	*	dooc	cto	cbc	bcc
Upper Heyford	1021.5	-4	WNW	2	c	66	75	8	5	7	-	7-8	9+	1800	0	*	ccdoc	c	c	c
Ross-on-Wye	1021.4	-10	W	3	c	66	75	8	5	-	-	9+	9+	2500	0	*	ccdoc	c	cbc	cc
Hartland Point	1023.4	-8	WNW	3	c	61	85	8	8	-	-	9	9	3500	0	3	c	c	c	cido
Bristol	1022.4	-8	WSW	3	bc	65	75	8	7	4	8	2-3	4-6	3000	0	*	c	cbc		c
Portland Bill	1022.6	-8	W	2	c	63	85	8	5	-	-	10	10	4000	0	2	c	c	cc	cc
Plymouth	1024.0	-6	WNW	3	c	64	65	8	5	-	-	9+	9+	2500	0	2	bcmobcc	c	c,bbw,c	c
The Lizard	1024.9	-8	W	3	bc	63	75	8	2	3	-	2-3	4-6	4000	0	1	c	cbc	bcc	cprc
Scilly (St. Mary's)	1025.0	-10	W'S	3	bc	64	65	8	8	4	-	2-3	4-6	1800	0	1	cbcy	bccbc	bcc	cido
Guernsey																				
Pembroke	1023.2	-6	SW'W	4	c	61	92	8	8	-	-	9+	9+	2000	0	2	c	c	proc	moido
Holyhead	1020.3	-10	SSW	5	c	60	85	8	5	4	5	7-8	9+	2800	0	3	cidomoc	cbcc	iroprc	bcc
Chester (Sealand)	1021.3	-4	WSW	2	c	65	65	7	5	7	1	7-8	9	3100	0	*	omocdoc	cirobcc	cmo	cmododoc
Manchester	1020.5	-10	W	3	c	61	85	8	5	3	-	9+	9+	1700	1	*	ofdodom	dodoc	ccmo	ododobcm
Spurn Head	1018.9	-4	SW'S	2	c	67	85	6	5	2	-	7-8	9+	2500	1	1	co	irocz	oc	c
Catterick	1018.9	-4	W	1	c	63	75	8	5	9	-	4-6	7-8	1800	0		c	cbcc	cbc	bcc
Tynemouth	1018.6	-6	W	3	c	64	85	7	2	3	-	4-6	7-8	3500	0	1	c	c	obc	bcc
St. Abbs Head	1016.3	-4	W'N	3	c/r	62	75	8	8	6	-	7-8	9	2700	0	2	c	iroc	bcb	cro
Leuchars	1015.6	-10	WSW	4	c	64	65	8	5	7	-	4-6	9	4000	0	*	c	c	bcmobmo	bmocmo
Renfrew (Abbots I.)	1016.8	-14	SW'W	3	ir	60	85	6	5	7	-	7-8	10	4000	1	*	bc	ciromoir	crbciro	cmocw
Eskdalemuir	1017.7	-8	WSW	3	c	59	85	8	5	7	-	7-8	9+	1500	1	*	ocmo	cmoc		rorobc
Point of Ayre	1019.2	-6	WSW	4	c	64	85	8	5	1	-	9	9+	4000	0	2	c	c	babb	cw
Tiree	1015.3	+4	SW'W	4	bc	58	85	8	5	5	-	2-3	4-6	250	0	3	oc	cbc	bc	cdorr
Stornoway	1011.7	0	SW	7	pr	57	85	7	5	7	8	7-8	9+	1500	1	4	c	crororory (gale)		cRR (gale)
Dalwhinnie	1015.5	-10	WSW	3	c	58	85	8	8	5	-	4-6	9	800	1	*	cbc	ciro		cbcc
Aberdeen	1013.2	-12	SW	3	c	66	75	8	2	7	-	Tr	9+	4000	0	1	crobc	bcc	ciro b	b,cw
Wick	1011.9	-14	SSW	2	c/pr	59	92	7	5	7	8	7-8	9+	4000	1	1	c	cproc	bcbbc	bcc
Lerwick	1012.4	-16	S	4	F	55	97	1	-	-	-	10	10	<150	1	*	oidorfFe	oFFe	oFeerr	c
Blacksod Point	1018.8	0	W	4	bc	60	75	8	3	-	3	1	2-3	1500	0	3	cbc	bc	irq	dd
Malin Head	1017.5	+4	WNW	5	bc	59	75	8	2	-	1	2-3	4-6	5700	0	3	c	cprcbc	c	c
Aldergrove	1018.5	-2	WSW	1	c/d	59	85	8	5	-	-	9	9	2500	1	*	cidoc	rododoidoc	cbc	cwciroc
Birr Castle	1020.4	-4	SSW	1	c	60	85	8	5	1	-	7-8	9+	2500	0	*	c	cidoc	bcc	c
Valentia Obsy. †	1021.9	-4	W'N	3	bc	62	85	8	2	-	3	2-3	2-3	2500	0	2	cbccidc	ciDocbc	bbccwc	ciroc
Roches Point	1021.9	-8	W'S	4	c/d	61	85	8	5	-	-	9+	9+	1500	0	3	proc	cidoc	c ⦶	bcc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. • ro, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
⊕ Solar halo. ⦶ lunar halo. Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

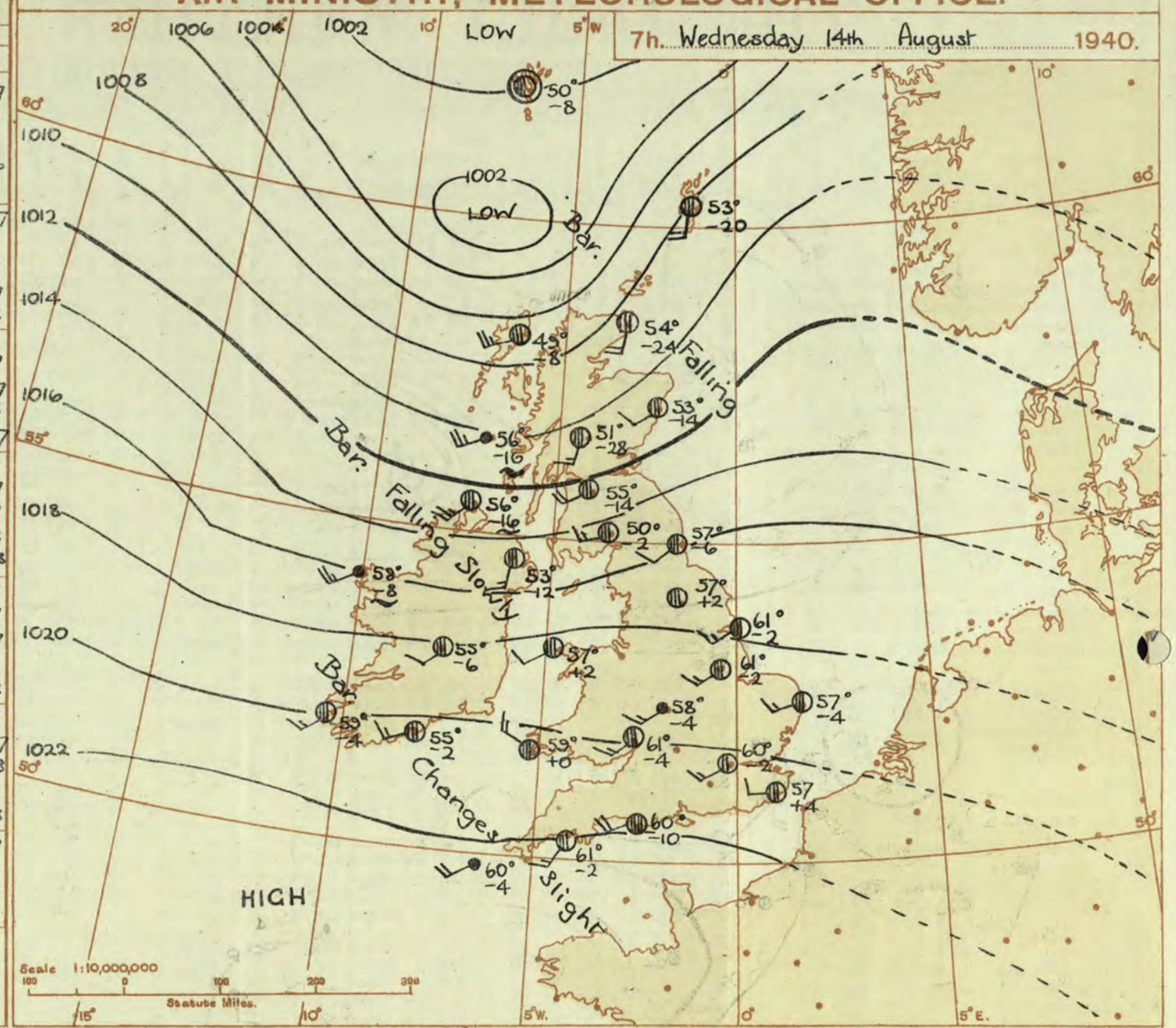
Note.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

AIR MINISTRY, METEOROLOGICAL OFFICE.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. ... 13th August ... 18h. G.M.T.						01h. G.M.T. ... 14th August ... 07h. G.M.T.					
IIH	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	52	02668	14227	72	13654	19327	50	01751	20411	52	02665	15327
115	71	14844	53625	72	81844	53727	51	14853	53684	87	64744	20667
203												
206	24	02965	20325	57	61855	20368	5-	02855	23225	57	02955	20426
210				57	61955		55	01863	22114			
220	52	02745	04528	33	01841	24403				52	02845	25327
230	62	21735	20358	83	25853	20384						
245	83	01864	18315	47	02951	54526	50	00862	22262	57	02744	16368
260	57	02755	22327	5-	02867	20417				51	02785	20327
277	5-	02848	19328	51	22757	18368	53	05751	00003	57	02866	20368
279												
285	8-	81538	24588	8-	03638	22528				8-	02737	20327
288	87	02845	20257	84	02854	22425	5-	01854	20214	87	02865	20227
273	44	01753	18615							46	10544	17248
301	52	02743	25328	83	02756	24317	50	21642	24458	87	02853	24327
321				57	05664	26327	07	05690	16102	57	21653	18257
299	5-	05548	22228	57	05644	20215	50	01745	20215	5-	05547	28217
292	83	02846	24257	56	02765	24427	57	02745	20227	57	02864	18257
310					48209	24229				--	51628	24258
316	5-	05647	22257	5-	05646	20227	04	05690	24112	57	05646	22228
333	54	01954	22324	57	02854	22526	5-	52543	24368	62	62844	24157
334		51638	22428		03848	22428				--	02744	24127
340	8-	10847	24227	59	01954	22485	53	01873	22314	5-	02747	26127
136	5-	02777	22317	53	22664	19227	5-	05645	20325	57	05664	19316
336		02853	24428		05842	20428				--	62532	20468
350	57	02745	20227	53	02854	24227				57	22675	20367
368	7-	02867	24467	7-	02857	24427				57	21644	22327
379	5-	02758	26228	57	02755	26327	5-	05653	24313	5-	02768	24328
390	53	02765	26328	54	02755	26327	5-	02758	26328	5-	05656	23316
382	77	02855	25228	77	02756	22228	57	02755	22226	57	21866	20258
438	50	02764	24315							5-	02757	24317
430				57	02764	24327	03	01790	26214	53	02866	24216
409	57	02955	24327	53	01964	24324	5-	51747	13327	5-	21738	20458

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



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 14th August
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate or light west wind; mainly cloudy, occasional slight rain or drizzle; average temperature.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Moderate or fresh southwest to west wind decreasing later; cloudy, occasional slight rain, bright intervals later; average temperature.
13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Fresh or strong westerly wind, moderating; showery, bright intervals; rather cool.
17 N. W. Ireland 18 N. E. Ireland	As 7-12
19 S. E. Ireland 20 S. W. Ireland	As 0-6

GENERAL INFERENCE.

A small depression off Northwest Scotland is moving eastward.

Weather will be mainly cloudy with occasional slight rain or drizzle in most areas. In North and Central Scotland there will be some heavier rain followed by bright intervals and showers.

FURTHER OUTLOOK.

Unsettled generally, but only slight rain in the South.

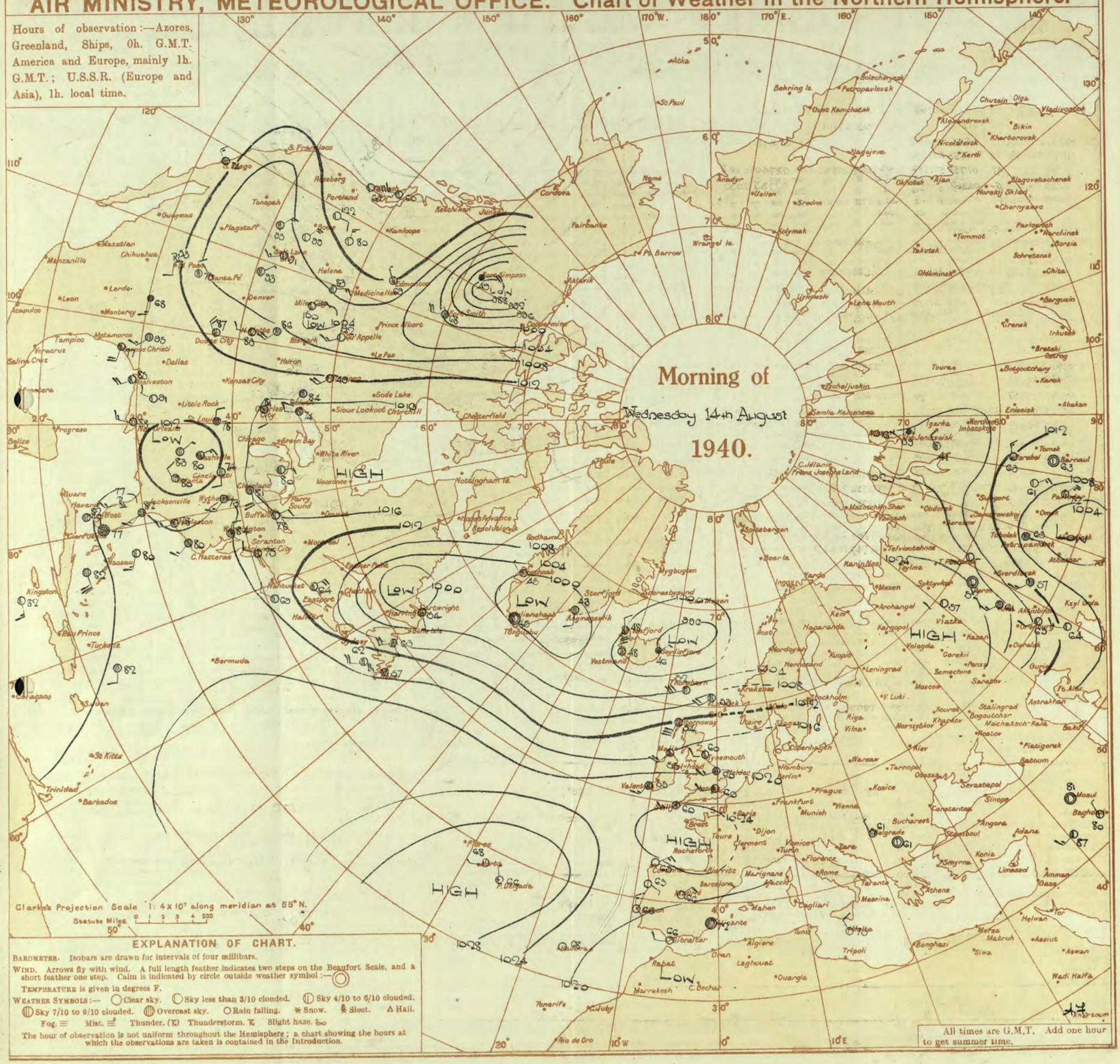
Forecasts issued at 10.30 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation :—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 14th August 1940.

No. 28755

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1021.3	-2	W'S	3	bc	60	83	7	5	-	-	4-6	4-6	4000
	S. Farnborough	226	1021.3	-2	W'S	3	Z_0	57	83	6	5	-	-	2-3	2-3	4000
	Boscombe Down	417	1022.3	-6	W	2	c	58	86	7	5	-	-	9+	9+	2500
	Calshot (Sthmtn.)	8	1022.3	-2	WNW	2	c	59	86	7	5	-	-	10	10	3500
	Lympne ...	346	1021.0	-4	WNW	2	c	61	86	8	5	-	-	9+	9+	4000
	Manston ...	154	1019.8	-10	W'N	2	Z_0	61	85	6	5	-	-	10	10	2000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1019.7	-10	WNW	3	Z_0	64	85	6	5	-	-	9	9	3700
	Gorleston ...	5	1019.1	-4	W'N	2	c	62	92	6	8	-	-	10	10	1400
	Mildenhall ...	19	1020.0	+2	W	3	Z_0	58	85	6	5	-	-	9	9	3500
	Cranwell ...	240	1019.9	-4	W	2	Z_0	56	85	6	5	-	-	7-8	7-8	1800
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1021.4	-4	W	3	c	59	85	7	5	7	-	9+	10	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1022.1	-8	W	4	c	60	92	8	5	-	-	7-8	7-8	2500
	Bristol ...	209														
	Portland Bill ...	32	1022.7	-2	W	3	c	60	85	8	5	-	-	10	10	4000
	Plymouth ...	82	1023.5	-6	W	2	c	57	92	8	5	-	-	9+	9+	1800
	The Lizard ...	240	1023.7	-10	WSW	3	c	59	92	8	8	2	-	7-8	10	2500
	Scilly (St. Mary's)	163	1023.8	-10	WSW	3	c	60	86	8	8	7	-	7-8	9+	1600
	Guernsey ...	175														
6	Pembroke ...	142	1021.3	-6	SW'W	5	c	60	92	7	8	-	-	9+	9+	2000
7	Holyhead ...	26	1018.8	-6	W'S	3	c/pr	58	88	8	9	2	-	9+	10	2000
	Chester (Sealand)	16	1019.3	-10	W	2	Z_0	61	85	6	5	3	-	7-8	9	3400
8	Manchester ...	70	1019.2	-10	SW'W	1	Z_0	57	92	6	5	-	-	10	10	3500
10	Spurn Head ...	29	1018.6	-4	SW'W	3	c	60	85	6	5	-	-	7-8	7-8	1500
	Catterick ...	175	1017.4	-12	SW'W	2	bc	60	85	7	5	-	-	4-6	4-6	2500
	Tynemouth ...	108	1017.4	-8	W	2	bc	60	83	6	2	-	-	4-6	4-6	3500
11	St. Abbs Head	280	1016.6	-6	WNW	5	b	54	75	8	4	-	-	1	1	2500
	Leuchars ...	36	1015.7	+2	SW	2	Z_0	51	92	5	-	6	-	0	Tr	-
12	Renfrew (Abbots I.)	19	1016.8	-4	SW'S	2	Z_0	52	92	6	5	3	-	7-8	7-8	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1018.5	0	W	3	b	52	97	8	4	-	-	Tr	Tr	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1011.4	-16	SSW	6	c	54	86	7	5	7	-	7-8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1012.6	-6	SW	3	bc	46	86	7	5	-	-	2-3	2-3	4000
16	Lerwick ...	156	1011.2	-2	SW	4	c	53	92	7	5	7	-	4-6	7-8	1500
17	Blacksod Point	18	1017.0	-20	SW	8	c	57	88	7	9	-	-	9+	9+	800
18	Malin Head ...	84	1015.9	-12	SW	4	c	56	86	8	8	-	-	7-8	7-8	4000
	Aldergrove ...	268	1017.9	-8	S	1	c	52	88	8	5	-	-	7-8	7-8	3000
19	Birr Castle ...	173	1020.2	-8	W'N	1	c	60	92	8	5	-	-	7-8	7-8	2500
20	Valentia Obsy.	30	1021.4	-8	SSW	3	c	55	85	8	8	-	-	7-8	7-8	4000
	Roches Point	22	1021.0	-2	WNW	3	c	55	97	8	5	-	6	4-6	7-8	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
London (Kew)	1020.4	-2	SW'W	3	bc	60	75	8	5	3	1	1	4-6	4000	0	*
Croydon ...	1020.4	-2	SW'W	3	bc	60	85	8	5	3	2	2-3	4-6	4500	0	*
S. Farnborough	1020.6	-2	SW	3	c	60	75	7	5	3	1	4-6	7-8	2800	0	*
Boscombe Down	1021.0	-2	SW'W	3	c	59	75	8	5	3	-	9	9+	2700	0	*
Calshot (Sthmtn.)	1021.6	+2	WSW	2	c	62	75	9	5	-	-	10	10	3000	0	1
Lympne ...	1021.1	+4	W	2	c	57	86	7	-	5	-	0	7-8	-	0	§*
Manston ...	1020.0	+2	WSW	3	Z_0	60	85	6	-	-	9	0	9	-	0	*
Shoeburyness ...	1020.6	+4	W'S	2	bc	60	85	6	2	7	-	4-6	4-6	4000	0	*
Felixstowe ...	1019.6	-4	W'S	3	c	60	75	8	5	-	-	9+	9+	3000	0	1
Gorleston ...	1018.5	-4	W'S	3	c	57	85	7	5	3	-	7-8	7-8	2800	1	2
Mildenhall ...	1018.9	0	WSW	3	c	58	78	7	5	7	-	7-8	9+	4000	0	*
Cranwell ...	1018.2	-2	SW	3	c	61	86	7	5	-	-	7-8	9	4000	0	*
Birmingham ...	1018.9	-4	SW	3	id_0	58	85	7	5	7	-	9+	10	1500	0	*
Upper Heyford	1020.2	-4	SW'W	3	c	59	86	7	5	7	-	9	10	3500	0	*
Ross-on-Wye	1019.2	-4	SW	3	c	61	85	7	6	1	-	9+	10	1500	0	*
Hartland Point	1019.6	-8	WSW	4	id	59	97	6	5	-	-	10	10	800	1	3
Bristol ...	1020.6	-6	SW'S	3	c	60	85	8	5	3	-	9	10	2000	0	*
Portland Bill ...	1022.3	-10	WSW	4	c	60	92	8	5	-	-	10	10	4000	0	3
Plymouth ...	1022.1	-2	SSW	3	c	61	85	8	5	-	-	9+	9+	3000	0	1
The Lizard ...	1023.1	+4	W'S	4	c	60	92	8	8	2	-	9	10	1500	0	2
Scilly (St. Mary's)	1022.0	-4	SW'W	4	id_0	60	92	7	5	2	-	7-8	10	1100	1	2
Pembroke ...	1020.0	0	WNW	3	c	59	97	8	8	2	-	7-8	9+	1600	1	2
Holyhead ...	1017.9	+2	SW'W	2	c	57	85	8	-	7	-	0	10	-	1	2
Chester (Sealand)	1018.7	+2	NNW	1	c	57	85	7	5	3	-	4-6	9	4800	1	*
Manchester ...	1017.9	-2	WSW	2	Z_0	58	97	6	8	3	-	4-6	7-8	1200	1	*
Spurn Head ...	1017.0	-2	ESE	3	c	61	86	6	5	-	-	7-8	7-8	2500	0	1
Catterick ...	1016.6	+2	-	0	c	57	85	8	5	7	-	2-3	9+	4000	0	*
Tynemouth ...	1016.6	-6	SW	2	c	57	88	6	5	-	-	9+	9+	2400	0	1
St. Abbs Head	1014.1	-4	SW	3	r_0r_0	51	92	8	5	2	-	7-8	9+	2500	1	2
Leuchars ...	1012.1	-18	SW	4	Z_0	54	86	6	5	1	-	7-8	9+	2800	0	*
Renfrew (Abbots I.)	1013.4	-14	SW'W	4	c	53	86	8	5	7	-	7-8	9+	4500	1	*
Eskdalemuir ...	1015.4	-2	WSW	3	Z_0	50	92	6	5	3	-	2-3	7-8	4000	1	*
Point of Ayre...	1016.5	-4	SW'W	2	c	55	97	8	-	7	-	0	10	-	1	1
Tiree	1008.8	-16	SW'W	5	rr	56	97	5	-	2	-	10	10	450	1	4
Stornoway ...	1006.0	-8	WSW	6	c/r	49	92	8	5	7	-	4-6	7-8	2500	1	3
Dalwhinnie ...	1010.2	-28	SSW	3	c	51	75	8	4	5	-	4-6	7-8	800	0	*
Aberdeen ...	1011.0	-14	SW'W	2	c	53	75	8	5	7	-	2-3	9+	4000	1	1
Wick ...	1007.8	-24	SSW	4	c	54	92	8	5	7	8	7-8	9	1500	1	2
Lerwick ...	1008.1	-20	S'W	4	c	53	92	7	8	7	-	7-8	9	800	1	*
Blacksod Point	1014.3	-8	WSW	5	dd	58	97	6	6	-	-	10	10	4150	1	4
Malin Head ...	1012.0	-16	SW	5	c/pr	56	97	7	9	-	-	9+	9+	2500	0	4
Aldergrove ...	1015.2	-12	SSW	3	c	53	85	8	8	2	-	9	10	6000	1	*
Birr Castle ...	1018.1	-6	SW	2	c	55	86	8	6	1	-	7-8	10	2500	0	*
Valentia Obsy.	1020.2	-4	SW	3	c	59	85	8	5	2	-	9	10	1500	0	2
Roches Point	1019.9	-2	W'S	3	c	55	92	8	5	7	-	4-6	9+	2500	0	2

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 13th Hrs. (36)
London (Kew)	69	56	47	Tr	-	0.8
Croydon ...	70	54	47	Tr	-	2.9
S. Farnborough	71	52	47	Tr	-	0.3
Boscombe Down	70	56	51	-	-	1.0
Calshot (Sthmtn.)	73	58	57	Tr	-	3.1
Lympne ...	*	56	52	*	Tr	1.9
Manston ...	68	60	52	-	-	7.4
Shoeburyness ...	71	58	53	-	-	5.8
Felixstowe ...	69	58	55	-	0.2	7.6
Gorleston ...	65	57	54	-	2	8.0
Mildenhall ...	69	52	46	-	Tr	4.1
Cranwell ...	73	59	51	Tr	-	1.4
Birmingham ...	67	56	54	Tr	Tr	0.7
Upper Heyford	71	53	48	Tr	-	*
Ross-on-Wye	67	57	52	Tr	-	0.1
Hartland Point	64	59	58	-	0.1	1.0
Bristol ...	68	58	54	-	-	2.3
Portland Bill ...	63	58	*	-	-	*
Plymouth ...	66	57	51	-	-	3.8
The Lizard ...	67	56	*	-	Tr	4.[illegible]
Scilly (St. Mary's)	69	58	*	-	-	11.[illegible]
Pembroke ...	66	58	*	-	1	0.5
Holyhead ...	65	56	53	Tr	0.5	3.7
Chester (Sealand)	69	57	54	Tr	0.3	1.0
Manchester ...	69	51	48	0.2	1	0.0
Spurn Head ...	*	*	*	Tr	-	*
Catterick ...	72	56	*	-	-	1.8
Tynemouth ...	71	56	53	-	-	*
St. Abbs Head	70	50	*	Tr	Tr	*
Leuchars ...	70	49	45	-	-	1.2
Renfrew (Abbots I.)	66	50	45	1	0.3	0.5
Eskdalemuir ...	63	44	37	-	.	0.1
Point of Ayre...	69	50	*	-	1	2.2
Tiree	63	53	*	1	1	2.7
Stornoway ...	62	49	*	0.3	6	1.8
Dalwhinnie ...	68	47	40	Tr	-	2.4
Aberdeen ...	73	47	39	Tr	Tr	4.1
Wick ...	64	45	*	Tr	-	*
Lerwick ...	56	50	*	0.1	2	0.0
Blacksod Point	63	53	*	2	0.2	*
Malin Head ...	63	51	*	0.5	0.2	2.6
Aldergrove ...	66	49	45	0.3	0.4	1
Birr Castle ...	68	49	45	0.1	0.1	0.8
Valentia Obsy.	66	54	46	0.6	0.1	3.1
Roches Point	64	54	*	Tr	0.2	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Afternoon.	Night.	Temperature. Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall. Day. mm.	Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew ...	18	cm_0z_0c	cpr_0c	czcbcw	69	56	47	Tr	-	0.8	*	*	8
Croydon ...	217	cm_0bc	cd_0c	ccm_0bc	70	54	47	Tr	-	2.9	*	*	8
Greenwich (Royal Observatory) ...	149	bbcy	bcy	bcybcb	70	51	40	-	-	*	38	60	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	71	54	48	-			57	73	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	72	52	45	-	-		49	61	*
Camden Square ...	110	b	bc	*	72	53	49	-	-	*	*	60	*
Kensington ...	80	bc	bc	*	70	52	43	-	-		39	61	*
Hampstead Observatory ...	450	b	b	bc	68	55	51	-	-		*	73	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 14th

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
10.1	Whole	Period.	

FOREIGN OBSERVATIONS.

18h. G.M.T. 13th August — 7h. G.M.T. 14th August

Stations.	18h. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris ...										
Brussels ...										
Berlin ...										
Zürich ...										
Rome ...										

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
*	*		

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 —Code for surface visibility.

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

COLUMN 30 —Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptious.
4 Rough.	9 Confused.

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

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

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 15th August 1940.

No. 28756

SECRET

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1019·1	-12	WSW	4	c/pr	65	75	8	5	2	-	7-8	10	1500
	Croydon	1019·3	-10	SW'S	3	c	67	75	7	5	-	-	9	10	2500
	S. Farnborough	1019·6	-10	SW	5	ido	64	75	7	5	2	-	7-8	9+	1500
	Boscombe Down	1019·6	-8	WSW	4	c	65	75	8	5	7	-	4-6	9+	1200
	Calshot (Soton.)	1020·6	-4	WSW	4	c	66	75	8	5	-	-	9+	9+	1500
	Lympne	1019·8	-10	SW'W	4	c	66	65	8	8	-	-	9+	9+	2500
	Manston	1019·2	-6	SW	4	c	71	55	9	5	7	7	4-6	9+	2500
2	Shoeburyness	1019·1	-10	SW'W	3	c	69	65	8	4	-	-	10	10	4000
	Felixstowe	1017·7	-14	WSW	4	c	70	65	7	5	7	-	7-8	9+	2500
	Gorleston	1017·2	-8	WSW	3	c	68	65	7	8	3	-	4-6	7-8	1600
	Mildenhall	1017·4	-10	SW'W	4	c/d	63	92	7	5	2	-	7-8	10	3000
	Cranwell	1016·8	-8	WNW	3	c	63	75	7	5	-	-	7-8	10	3500
3	Birmingham	1017·8	-2	W	3	c	65	55	8	5	3	-	2-3	7-8	2500
	Upper Heyford	1018·8	-6	SW	3	c	64	75	8	6	7	-	4-6	10	1000
4	Ross-on-Wye	1018·7	0	WSW	3	c	64	65	9	6	7	-	4-6	10	2500
5	Hartland Point	1020·8	0	W	3	c	62	85	8	8	4	-	7-8	7-8	2500
	Bristol	1020·1	-2	W'S	4	c	62	75	8	8	7	-	4-6	9+	2800
	Portland Bill	1020·8	-10	WSW	4	c	62	85	8	5	7	-	4-6	10	4000
	Plymouth	1021·2	-2	WSW	4	c	64	85	8	2	4	8	1	9	2000
	The Lizard	1022·6	0	W'S	4	c	65	85	8	8	6	-	7-8	7-8	1500
	Scilly (St. Mary's)	1023·0	+6	WNW	3	c	67	65	8	8	7	3	4-6	7-8	1100
	Guernsey														
6	Pembroke	1019·9	-4	W	4	c	59	85	8	8	2	-	7-8	10	1800
7	Holyhead	1017·0	-6	SW	5	c	59	85	7	5	7	-	4-6	10	5700
	Chester (Sealand)	1018·1	-2	SW'W	2	c	61	65	8	1	3	-	Tr	10	5700
8	Manchester	1017·5	-2	SW'W	3	c	60	75	8	-	2	-	10	10	5000
10	Spurn Head	1015·6	-2	W'S	5	c	63	65	6	5	2	-	7-8	10	2500
	Catterick	1014·9	-10	WSW	2	c	61	65	8	1	7	-	4-6	9+	3000
	Tynemouth	1014·5	-6	W	3	c	64	75	6	2	3	-	4-6	7-8	3600
11	St. Abbs Head	1010·6	-14	SW	4	c/pr	58	75	8	8	3	-	4-6	7-8	2000
	Leuchars	1010·1	-2	WSW	4	bc	63	75	7	8	-	-	4-6	4-6	1500
12	Renfrew (Abbots I.)	1012·1	+2	WSW	4	c	63	55	9	1	3	6	2-3	7-8	2500
	Eskdalemuir	1013·3	-8	WSW	4	roro	53	92	6	-	2	-	10	10	450
	Point of Ayre	1015·0	-6	WSW	5	c	58	92	8	5	7	-	2-3	2-3	2500
13A	Tiree	1013·8	+20	NW	4	bc	58	65	8	1	4	6	1	4-6	4000
13B	Stornoway	1009·5	+12	W	7	c/pr	57	85	8	5	7	-	7-8	7-8	2500
15	Dalwhinnie	1011·4	+14	WSW	3	bc	58	55	8	1	-	8	2-3	4-6	1500
	Aberdeen	1009·0	+2	N'W	3	bc	63	65	8	8	-	9	2-3	2-3	2500
	Wick	1007·3	+6	W	4	bc	59	55	8	1	6	-	1	4-6	2500
16	Lerwick	1002·5	-32	SSW	5	c/r	53	85	8	8	3	-	4-6	7-8	1500
17	Blacksod Point	1018·2	+14	N	4	bc	60	65	8	2	-	-	2-3	2-3	1500
18	Malin Head	1015·9	+24	N	4	bc	57	75	8	4	7	-	2-3	4-6	5700
	Aldergrove	1014·9	+4	NW'N	4	c	61	75	8	2	5	1	4-6	7-8	1500
19	Birr Castle	1017·3	-6	W	2	c/pr	64	85	8	8	1	-	7-8	10	1500
20	Valentia Obsy. †	1020·0	0	W'N	3	c	61	97	7	5	-	-	10	10	800
	Roches Point	1019·1	-6	WSW	3	c	62	85	8	8	1	5	4-6	9	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1018·7	+2	W	3	c	66	45	8	8	2	-	7-8	9+	2500	0	*
Croydon	1018·7	-2	W'S	3	c	67	55	8	2	7	-	2-3	7-8	2000	0	*
S. Farnborough	1019·1	0	W'S	4	c	65	55	8	7	7	-	7-8	10	2500	0	*
Boscombe Down	1019·7	+12	W'N	3	c	61	75	8	5	7	8	4-6	9+	3000	0	*
Calshot (Soton.)	1019·7	-4	W'S	3	c	64	85	8	5	7	-	4-6	10	5700	0	2
Lympne	1019·6	-2	SW'W	4	c	62	85	8	5	7	-	7-8	9+	1400	0	§3
Manston	1018·4	-4	SW'W	4	c	65	85	7	5	7	-	4-6	9+	3000	0	*
Shoeburyness	1018·2	-6	SW	3	c	67	75	8	8	8	9	4-6	9+	4000	0	*
Felixstowe	1017·4	-6	SW'W	4	c	66	75	7	1	7	-	1	7-8	3000	1	2
Gorleston	1016·6	-4	WNW	2	pr	63	85	6	5	2	-	7-8	10	2500	1	2
Mildenhall	1016·7	-2	W'S	4	c	67	55	8	8	7	-	7-8	9+	3000	0	*
Cranwell	1016·7	+2	W'S	3	c	62	55	7	5	7	-	4-6	9	3500	0	*
Birmingham	1017·7	0	W	3	c	60	65	8	5	7	-	4-6	9	4000	0	*
Upper Heyford	1018·4	0	WSW	3	c	62	65	8	5	7	-	4-6	10	5600	1	*
Ross-on-Wye	1018·8	0	SW	3	c	60	75	8	5	1	-	4-6	9+	2500	0	*
Hartland Point	1020·0	-4	WNW	4	c	61	92	8	8	2	-	7-8	10	2800	0	3
Bristol	1019·7	-2	W	4	c	61	75	8	5	7	-	4-6	9+	1600	0	*
Portland Bill	100	-2			c	60	92	8	5	-	-	10				
Plymouth	1021·2	+2	WNW	4	c	63	75	8	4	7	-	4-6	10	2500	0	2
The Lizard	1022·6	0	W	4	o	60	85	8	5	2	-	9	10	1500	0	2
Scilly (St. Mary's)	1022·3	-4	W	4	cjp	61	85	8	8	7	-	4-6	10	1100	0	2
Guernsey																
Pembroke	1019·4	-6	W'S	5	c	61	92	7	8	7	-	4-6	7-8	2000	1	2
Holyhead	1016·9	0	W'S	4	bc/pr	60	92	7	8	3	9	1	2-3	3000	1	2
Chester (Sealand)	1017·3	-4	SW	4	ro	60	75	7	5	2	-	7-8	10	2600	1	*
Manchester	1017·0	+2	WSW	3	rr	57	97	5	5	2	-	4-6	10	900	1	*
Spurn Head	1015·5	0	W'S	3	c	63	75	6	5	-	-	9+	9+	2400	0	2
Catterick	1014·3	-2	WSW	3	bc/pr	62	85	8	8	3	-	1	2-3	2500	0	
Tynemouth	1014·0	0	W	4	c	62	75	6	7	2	6	4-6	7-8	3300	0	1
St. Abbs Head	1011·8	+6	WNW	4	c	59	45	9	7	4	9	2-3	7-8	3000	0	3
Leuchars	1012·4	+14	W	4	bc	62	45	8	2	7	6	1	4-6	2500	0	*
Renfrew (Abbots I.)	1015·1	+16	WNW	5	bc	64	65	8	2	4	1	2-3	2-3	4000	0	*
Eskdalemuir	1014·5	+10	NW	5	bc	56	55	8	1	4	4	1	2-3	4000	1	*
Point of Ayre	1017·0	+12	N'W	5	b	58	75	8	4	4	-	Tr	1	4000	0	3
Tiree	1016·0	+6	NW'W	4	bc	57	75	8	7	-	-	4-6	4-6	2500	0	4
Stornoway	1012·6	+10	W	7	c	55	75	8	5	6	-	4-6	7-8	2500	1	4
Dalwhinnie	1014·6	+10	WSW	3	c	53	65	8	1	5	2	4-6	10	1500	1	*
Aberdeen	1011·6	+18	NW	4	bjp	61	45	8	1	-	8	Tr	1	4000	0	1
Wick	1009·0	+16	WNW	6	bcq	56	65	8	8	4	-	4-6	4-6	1500	1	3
Lerwick	998·0	-14	W'N	7	c	52	92	7	8	7	-	4-6	7-8	800	1	*
Blacksod Point	1019·9	+8	WNW	2	c	57	75	8	1	5	-	1	7-8	1500	0	2
Malin Head	1017·9	+14	NNW	4	bc	57	65	8	7	-	1	2-3	4-6	5700	0	3
Aldergrove	1017·7	+14	NW	3	bc	60	55	8	1	4	-	1	2-3	3000	1	*
Birr Castle	1018·3	+6	W'N	2	bc	66	54	8	5	-	4	2-3	4-6	2500	0	*
Valentia Obsy. †	1021·3	+6	NW'W	3	c	61	85	8	8	-	-	9+	9+	1500	0	2
Roches Point	1019·7	+6	NW'W	4	c	64	85	8	8	-	-	7-8	7-8	1500	0	3

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 14th (37)	13h.—18h. 14th (38)	18h. 14th to 1h. 15th (39)	1h.—7h. 15th (40)
London (Kew)	ciroproc	cy	cyc	c
Croydon	bbc	cidocy	cycbc	c,bc
S. Farnborough	cmodo	cdobcc	cybccbc	c
Boscombe Down	idoc	c	cbc	cbcfw
Calshot (Soton.)	cciroc	c	cbc	bccmobc
Lympne	cbcc	c	croc	cbc
Manston	moc	c		czociro
Shoeburyness	cproc	croc	bcc,c	cbccbc
Felixstowe	c	cdromoc	ccirobc	c
Gorleston	cq	cpr	c	cbc
Mildenhall	cdodoiroc	c	bccido	cidobcwm
Cranwell	c	ccy	cybcwmo	bcbmo
Birmingham	doocpr	c	c	c
Upper Heyford	ciDmoc	c	c	cbccw
Ross-on-Wye	codccv	c	ccdoc	bcc
Hartland Point	ocdd	c	poidc	cbc
Bristol	cdororo	c	cbc	bcmof
Portland Bill	c	c	c	c
Plymouth	ccdocmodoc	c	cdodoc	cbwbmo
The Lizard	cdrc	o	ocpr	cprbc
Scilly (St. Mary's)	cidoc	c	c	c
Guernsey				
Pembroke	epro	c	cw	bcc
Holyhead	ciroc	crorombc	bcc	cw
Chester (Sealand)	c	croc	crbcb	bcmobc
Manchester	bcmoc	ccmororo	rrrorobmo	bmofgbcm
Spurn Head	co	ozo	bc	bcb
Catterick	c	cprobc	bcb	bbcw
Tynemouth	c	c		bbcb
St. Abbs Head	mproc	bccy	b	
Leuchars	cmocirocb	bccybcy	b	b
Renfrew (Abbots I.)	cdororoc	bccbcb	bw	bbccw
Eskdalemuir	crpro	bc	bcyb	bbccw
Point of Ayre	ciro	bcb	bcb	bbc
Tiree	bc	bc	bc	bcc
Stornoway	cpr	c	bc	
Dalwhinnie	cbc	ciro		c
Aberdeen	cbcb	bby	b	bwb
Wick	prbcy	bccbc	bccpr	cprbc
Lerwick	cir	cir	cpr	c
Blacksod Point	cbc	c	c	irc
Malin Head	bcbcc	ccbc	c	c
Aldergrove	ccroroc	cbcyby	bybcbw	bwbcc
Birr Castle	cpr	cbcy	c	c
Valentia Obsy. †	prododoidoc	cproc	cmro	cmoidooc
Roches Point	c	c	bcb	cwc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
Solar halo. lunar halo. Aurora.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

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

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

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

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

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

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29 —STATE OF GROUND.

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

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

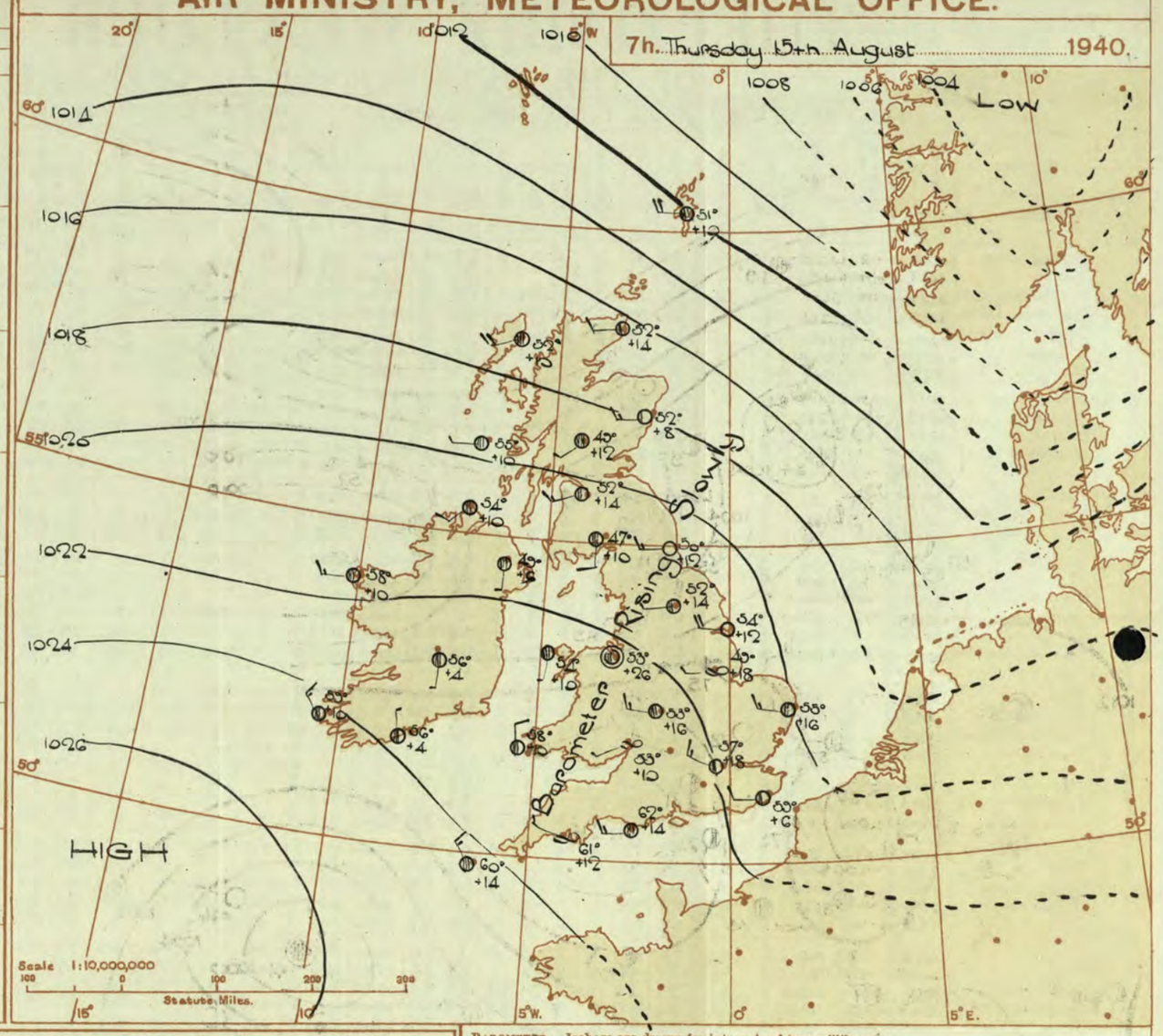
Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 14th August			18h. G.M.T.			01h. G.M.T. 15th August			07h. G.M.T.		
III $C_L C_M$	wwVhN_h	DDFWN	$C_L C_M$	wwVhN_h	DDFWN	$C_L C_M$	wwVhN_h	DDFWN	$C_L C_M$	wwVhN_h	DDFWN
109 90	10844	54614	7-	25645	59785	6-	25747	26587	03	00289	05780
115 87	14854	24684	74	14855	57786	87	02845	24687	87	81735	24528
203											
206 8-	01964	24385	77	01964	57414	53	01854	22225	53	02964	23215
210						53	01953	24415			
220 10	01964	28304	13	01953	28304						
230 73	01964	27565	80	01954	26414	53	01953	23214	53	01964	22214
245 82	01817	22525	40	01962	25414	50	00861	20213	53	00961	22113
260 87	02744	20525	10	01962	26414	00	00790	22200	54	00772	22213
277 97	61834	26467	70	00961	28562	54	00961	23302	53	01890	00014
279											
285 8-	02847	24527	80	01844	28564				8-	02746	24416
288 57	02867	55428				00	00790	20210	00	00890	24200
273 16	01753	29404							46	10654	12108
301 27	02843	24428	51	51636	24558	54	01752	30313	53	01754	30214
321 57	05665	25228	53	02765	22227	04	00690	24201	00	05690	26200
299			57	02745	24317	00	00790	24200	03	00790	24301
292 77	02953	22367	57	01844	23325	40	00761	18221	00	00890	19113
310	02636	24226		51428	24328				--	01642	26412
316 8-	05667		53	02755	24426	03	00790	26162	00	08490	20062
333 62	02854	24428	62	61836	24468	43	02761	28166	07	01890	00024
334	02844	24528		54538	20258				--	05585	00026
340 77	02953	21368	51	02956	20227	03	01790	20213	03	01890	26114
136 52	02744	21268							00	05690	28310
336	02853	24427		53633	20428				--	02741	26315
350 77	02844	22468	51	02855	24328	50	02768	24228			
368 57	02846	23458	57	02845	24427	73	02746	26286	13	42652	28145
379 67	02844	22428	57	02755	24326	53	05645	26227	03	02790	28216
390 57	21756	21458	43	02754	22325				53	05675	28316
388 67	02844	22428	57	02866	23428	57	02768	28228	03	02790	00026
438 5-	02857	24617							50	02755	24315
430 5-	02748	22668	57	02764	22528				53	01742	26214
409 53	02844	22457	57	02842	23428	5-	21737	26267	13	01843	28114

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 15th August 1940.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 15th August
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Light northwest to west wind, variable on coast. Fine or fair. Average temperature.
6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light or moderate west wind; mainly cloudy, local drizzle. Average temperature.
10 N.E. England 11 S.E. Scotland	Light or moderate west wind; fair. Average temperature.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland	Moderate or light west to southwest wind; cloudy, occasional slight rain or drizzle. Average temperature.
15 N. E. Scotland	As 10-11.
16 Orkneys and Shetlands	Fresh to moderate northwest to west wind; cloudy, local showers, bright intervals. Average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 12-14

GENERAL INFERENCE.

Pressure remains high to southwest of the British Isles and low to northwards. A wedge of high is crossing England. Weather will be fair in the South and East but cloudy with light rain or drizzle in the Northwest.

FURTHER OUTLOOK.

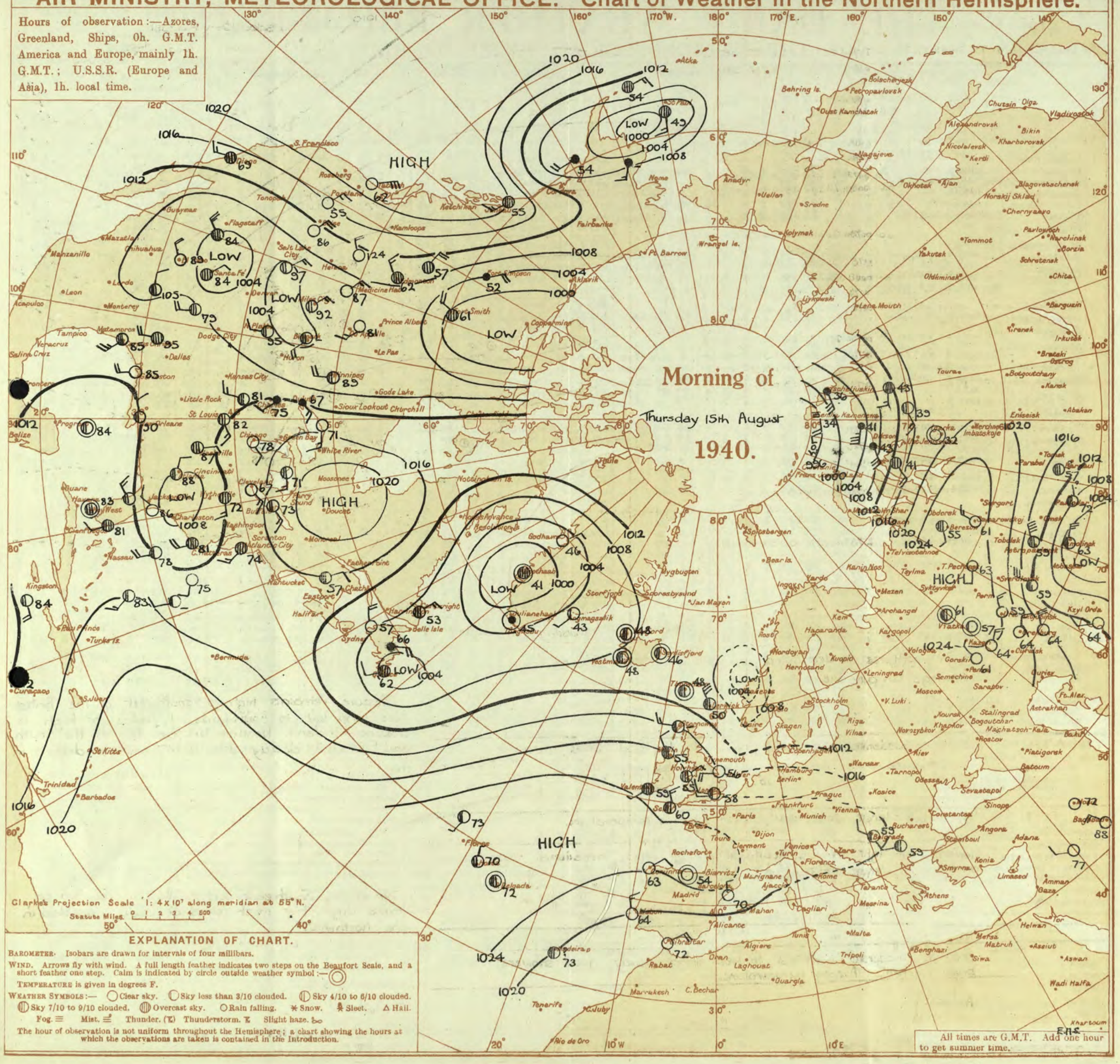
Fair in the Southeast with little rain for two or three days, but much cloud at times. Unsettled in the Northwest.

Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 15th August 1940.

No. 28756.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1019·9	-2	W'S	2	bc	58	92	8	5	-	-	4·6	4·6	5700
	S. Farnborough	226	1020·3	+2	SW	2	bc	57	85	7	5	3	-	1	4·6	4000
	Boscombe Down	417	1020·6	0	W'S	2	bc	57	92	7	5	3	1	1	4·6	2500
	Calshot (Sthmtn.)	8	1020·7	0	W'S	3	c	59	85	7	5	-	2	4·6	7·8	4000
	Lympne ...	346	1020·1	+2	W	2	c	58	75	8	5	-	-	9	9	4000
	Manston ...	154	—													
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1019·6	+10	W	2	bc	60	75	7	5	3	-	4·6	4·6	2500
	Gorleston ...	5	1017·4	+2	W	3	c	58	75	6	5	-	-	9+	9+	2500
	Mildenhall ...	19	1018·7	+4	W'S	2	ido.	57	85	7	5	7	-	9+	9+	2200
	Cranwell ...	240	1018·8	+4	WNW	3	zo	53	85	6	-	4	1	0	4·6	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1019·6	-2	WSW	2	c	57	92	7	5	7	-	7·8	9+	2800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1021·0	+2	W	3	c	61	97	7	5	2	-	9	9+	2000
	Bristol ...	209	1020·8	+2	W	2	bc	59	92	7	5	3	-	1	4·6	1800
	Portland Bill ...	32	1020·7	+4	W	4	c	61	92	8	5	-	-	10	10	4000
	Plymouth ...	82	1022·0	-2	WSW	2	c	61	92	7	5	-	-	9+	9+	1200
	The Lizard ...	240	1022·9	0	WNW	2	pr	59	97	7	8	2	-	9	10	1500
	Scilly (St. Mary's)	163	1022·8	0	NW'W	3	c	60	92	7	5	2	-	7·8	10	1000
	Guernsey ...	175														
6	Pembroke ...	142	1020·5	+2	NW'N	3	c	60	85	7	5	7	-	4·6	7·8	2500
7	Holyhead ...	26	1020·6	+10	NE'E	1	c	55	75	8	5	3	-	7·8	7·8	5000
	Chester (Sealand)	16	1021·0	+6	NW'W	2	zo	48	92	6	-	4	-	0	2·3	-
8	Manchester ...	70	1019·8	+10	NW'W	2	zo	47	92	6	-	4	-	0	Tr	-
10	Spurn Head ...	29	1017·5	+6	W'N	4	b	56	85	7	-	6	-	0	1	-
	Catterick ...	175	1018·6	+14	WNW	1	b	49	85	7	-	-	-	0	0	-
	Tynemouth ...	108														
11	St. Abbs Head	280	1016·7	+18	WNW	4	b	52	65	8	-	-	-	0	0	-
	Leuchars ...	36	1017·1	+12	WSW	2	b	48	75	7	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	1018·7	+10	W	2	bc	49	85	7	5	3	-	1	2·3	4500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1019·9	+10	N'W	4	b	55	85	8	-	4	9	0	1	-
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1015·7	+8	W	3	bc	50	92	7	5	7	-	4·6	4·6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1012·7	+6	WNW	5	cg	51	85	7	5	7	-	4·6	7·8	1500
16	Lerwick ...	156	1008·6	+22	NW	6	c/pr	50	97	7	8	7	-	7·8	9+	450
17	Blacksod Point	18	1021·0	0	S'W	1	c	58	85	8	5	-	-	10	10	2500
18	Malin Head ...	84	1019·8	+6	NW	2	c	55	65	8	5	-	-	7·8	7·8	5700
	Aldergrove ...	268	1020·6	+6	-	0	b	48	85	8	5	-	-	Tr	Tr	3500
19	Birr Castle ...	173	1022·0	+6	WNW	1	c	54	92	8	5	-	-	7·8	7·8	2500
20	Valentia Obsy.	30	1023·3	+2	SW'W	1	zo	59	92	6	5	-	-	10	10	800
	Roches Point	22	1022·6	+8	NW	3	b	56	92	8	-	-	-	0	0	-

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0–10 (26)	Cloud. Amount. Total 0–10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1022·0	+14	NW	2	c	57	65	7	5	3	-	7·8	9+	2500	0	*
	Croydon ...	1022·0	+18	NW'W	3	bc	57	75	7	-	3	2	0	4·6	-	0	*
	S. Farnborough	1022·4	+14	NW'W	2	c	57	92	7	5	3	-	1	7·8	3000	0	*
	Boscombe Down	1022·6	+16	N'W	1	zo	56	97	6	-	3	-	0	4·6	-	0	*
	Calshot (Sthmtn.)	1021·9	+10	NW'N	2	bc	60	92	7	5	3	-	1	2·3	3500	0	0
	Lympne ...	1021·2	+6	WNW	2	bc	59	85	8	5	3	-	2·3	4·6	2500	0	2
	Manston ...	1021·0	+10	NW	3	zo	61	75	6	2	3	-	1	7·8	2500	0	*
2	Shoeburyness ...	1021·7	+20	NW'W	2	c	57	65	8	-	3	-	0	7·8	-	0	*
	Felixstowe ...	1020·9	+10	NW	3	bc	57	85	7	-	3	-	0	2·3	-	0	1
	Gorleston ...	1019·8	+16	WNW	3	bc	55	85	7	-	4	-	0	2·3	-	0	2
	Mildenhall ...	1021·2	+18	WNW	3	zo	49	92	6	-	3	9	0	4·6	-	0	*
	Cranwell ...	1021·8	+18	W	1	zo	49	85	5	-	-	-	0	0	-	0	*
3	Birmingham ...	1022·6	+16	WNW	3	c	53	85	6	-	3	-	0	9+	-	0	*
	Upper Heyford	1022·5	+14	W'N	1	c	53	85	7	-	3	-	0	9	-	1	*
4	Ross-on-Wye	1022·4	+10	WSW	1	zo	53	97	6	5	3	1	1	7·8	1500	0	*
5	Hartland Point	1022·6	+10	W	3	c	61	92	8	2	3	-	Tr	9	2500	0	2
	Bristol ...	1022·0	+8	-	0	bc/f	57	97	6	5	2	-	2·3	4·6	3000	0	*
	Portland Bill ...	1022·7	+14	W	3	c	62	85	8	5	7	-	7·8	10	4000	0	2
	Plymouth ...	1023·3	+12	NW	1	zo	61	92	6	-	-	-	0	0	-	0	1
	The Lizard ...	1023·9	-10	NW	2	bc	60	92	7	4	-	-	2·3	2·3	2500	1	2
	Scilly (St. Mary's)	1024·5	+14	NW	3	c	60	92	7	5	7	-	4·6	9+	1100	0	2
	Guernsey ...																
6	Pembroke ...	1023·2	+10	NNW	2	c	58	92	8	5	6	-	4·6	9+	2500	1	2
7	Holyhead ...	1022·1	+10	SSW	1	c	54	85	8	5	3	-	2·3	9	2500	0	0
	Chester (Sealand)		+26	-	0	bc	53	85	7	5	3	-	2·3	4·6	5000	1	*
8	Manchester ...	1022·4	+18	ESE	1	mf	43	97	4	5	-	-	4·6	4·6	2800	0	*
10	Spurn Head ...	1020·3	+12	WNW	4	b	54	75	8	-	-	-	0	0	-	0	3
	Catterick ...	1021·1	+14	W	1	bc	52	85	8	-	-	2	0	4·6	-	0	*
	Tynemouth ...	1020·3	+12	W	3	b	50	85	7	-	-	-	0	0	-	0	1
11	St. Abbs Head	1019·2	+12	SW	3	b	49	85	8	-	4	-	0	Tr	-	0	*
	Leuchars ...																*
12	Renfrew (Abbots I.)	1020·5	+14	WSW	3	bc	52	85	8	5	-	1	4·6	4·6	3500	0	*
	Eskdalemuir ...	1021·0	+10	S	2	c	47	92	8	5	-	-	9	9	2500	1	
	Point of Ayre...	1021·5	+14	NW	3	bc	55	85	8	5	-	-	4·6	4·6	4000	0	2
13A	Tiree ...	1019·3	+10	W	1	c	55	75	9	5	-	-	9	9	1500	0	2
13B	Stornoway ...	1017·6	+10	WSW	4	c	52	85	8	5	7	-	7·8	7·8	2500	1	2
15	Dalwhinnie ...	1019·5	+12	SW	1	c	49	75	8	5	-	-	9+	9+	2500	1	*
	Aberdeen ...	1017·8	+8	W	3	b	52	75	8	7	4	-	Tr	1	4000	0	1
	Wick ...	1016·1	+14	W	2	bc	52	85	8	8	6	1	1	2·3	1500	1	1
16	Lerwick ...	1011·3	+10	WNW	4	c	51	85	8	8	7	-	4·6	7·8	1500	1	*
17	Blacksod Point	1021·0	+10	W	3	c	58	65	7	5	-	-	10	10	800	1	3
18	Malin Head ...	1020·7	+10	SW	2	c	54	85	8	9	-	-	9	9	5700	0	3
	Aldergrove ...	1021·7	+6	S	1	c	49	92	8	5	3	-	Tr	9+	3500	1	*
19	Birr Castle ...	1022·6	+4	S	1	c	56	92	7	5	-	-	10	10	2500	0	*
20	Valentia Obsy.	1024·5	+10	NW'W	3	c	59	92	7	5	-	-	10	10	1500	0	2
	Roches Point	1023·5	+4	NNW	1	c	56	92	8	5	-	-	9+	9+	2500	0	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 14½ Hrs. (36)
1	London (Kew)	69	56	47	Tr	-	2·9
	Croydon ...	69	56	51	Tr	-	3·2
	S. Farnborough	70	52	45	Tr	-	1·4
	Boscombe Down	68	55	51	Tr	-	2·3
	Calshot (Sthmtn.)	67	57	54	Tr	-	0·3
	Lympne ...	68	55	50	-	Tr	3·3
	Manston ...	72	56	49	-	Tr	3·3
2	Shoeburyness ...	69	57	50	Tr	-	3·5
	Felixstowe ...	71	56	55	0·1	Tr	1·1
	Gorleston ...	68	55	52	0·1	-	1·9
	Mildenhall ...	70	46	37	Tr	Tr	1·6
	Cranwell ...	69	45	42	-	-	0·9
3	Birmingham ...	66	52	42	0·5	-	2·4
	Upper Heyford	(64)	50	41	0·4	-	*
4	Ross-on-Wye	66	50	41	Tr	Tr	0·7
5	Hartland Point	63	59	53	1	0·2	1·0
	Bristol ...	66	53	43	Tr	-	0·9
	Portland Bill ...	63	57	*		-	*
	Plymouth ...	67	59	50	0·6	Tr	2·3
	The Lizard ...	66	56	*	2	1	2·0
	Scilly (St. Mary's)	68	58		2	-	3·2
6	Pembroke ...	62	53	*	0·1	-	0·0
7	Holyhead ...	60	52	47	0·2	-	1·0
	Chester (Sealand)	63	46	39	Tr	2	0·0
8	Manchester ...	63	37	31	1	2	0·0
10	Spurn Head ...	70	61	*	1	-	1·5
	Catterick ...	63	45	35	Tr	Tr	1·5
	Tynemouth ...	65	48	45	-	-	*
11	St. Abbs Head			*	Tr		*
	Leuchars ...	67	45	37	-	-	6·7
12	Renfrew (Abbots I.)	64	47	37	4	Tr	5·5
	Eskdalemuir ...	62	41	33	2	-	*
	Point of Ayre...	60	53	*	0·3	-	3·6
13A	Tiree ...	60	49	*	1	-	11·5
13B	Stornoway ...	58	49	*	0·1	0·2	12·0
15	Dalwhinnie ...	60	43	33	1	-	6·3
	Aberdeen ...	65	47	40	-	-	7·6
	Wick ...	61	46	*	Tr	Tr	*
16	Lerwick ...	56	49	*	3	0·3	2·3
17	Blacksod Point	61	54	*	0·4	0·5	*
18	Malin Head ...	61	47	*	1	Tr	6·7
	Aldergrove ...	64	41	39	0·4	-	6·5
19	Birr Castle ...	69	51	46	1	-	3·0
20	Valentia Obsy.	62	58	53	0·2	0·2	0·0
	Roches Point	60	53	*	0·3	-	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine. to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew...	18	cir.proc	cy	cyc	69	56	47	Tr	-	2·9	*	*	7
Croydon ...	217	bbc	cir.cy	cycbc	69	56	51	Tr	-	3·2	*	*	7
Greenwich (Royal Observatory)...	149	c	cr.c	cb	70	57	50	Tr	-	2·8	69	53	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	70	57	54	-	-	3·3	77	69	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	69	56	51	-	-		70	63	*
Camden Square ...	110	c	c	*	70	57	51	Tr	-	*	*	57	*
Kensington ...	80	cp.bc	c	*	71	57	53	0·1	-		39	59	*
Hampstead Observatory ...	450	bcp	o	bc	68	53	48	0·1	-		*	68	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 15th

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
< 0·1	whole period		

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 14th August Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 15th August Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris ...														
Brussels ...														
Berlin ...														
Zürich ...														
Rome ...											*	*		

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Preciptious.
4	Rough.	9	Confused.

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Friday 16th August, 1940.

No. 28,757.

OBSERVATIONS at 13h. G.M.T. 15th August,

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1023.3	0	W'N	3	bc	68	36	8	-	-	2	0	4-6	-
	Croydon	1022.6	-2	NNW	2	bc	69	55	8	-	-	4	0	2-3	-
	S. Farnborough	1023.2	+2	W'S	2	c	70	45	8	1	4	6	1	7-8	5000
	Boscombe Down	1022.8	-4	NW	3	bc	69	45	8	1	-	8	2-3	4-6	3000
	Calshot (Soton.)	1023.3	+2	SSW	2	c	71	65	8	2	-	2	2-3	7-8	4000
	Lympne														
	Manston	1023.2	+10	NNW	3	b	66	55	6	-	-	-	0	0	-
2	Shoeburyness	1022.9	0	NNW	1	b	70	45	8	-	-	4	0	1	-
	Felixstowe	1022.4	+6	NW	3	bc	70	35	8	-	-	1	0	Tr	-
	Gorleston	1022.0	+10	NE'N	4	bc	63	66	7	1	-	-	2-3	2-3	3500
	Mildenhall	1022.4	+2	W'N	3	b	67	45	8	-	-	4	0	2-3	-
	Cranwell	1022.4	+2	W'N	2	bc	67	45	7	1	-	-	Tr	Tr	3000
3	Birmingham	1023.9	+4	NNW	2	c	64	55	8	1	7	-	Tr	9	4000
	Upper Heyford	1023.0	+2	NW'W	3	bc	68	55	8	1	3	5	2-3	4-6	4000
4	Ross-on-Wye	1023.1	0	WNW	3	bc	69	45	8	7	4	-	1	4-6	4000
5	Hartland Point	1024.9	+10	WNW	2	c	64	75	9	1	-	3	Tr	7-8	3500
	Bristol	1024.1	+6	WNW	3	c	69	66	8	5	2	-	2-3	9	3500
	Portland Bill	1023.9	+10	WSW	2	c	64	86	8	5	4	-	4-6	9	4000
	Plymouth	1024.3	0	SW	3	bc	69	55	9	1	3	4	2-3	4-6	3000
	The Lizard	1025.5	+10	W	3	bc	67	75	8	8	6	-	4-6	4-6	3500
	Scilly (St. Mary's)	1026.3	+8	WNW	3	c	65	85	7	8	-	-	9+	9+	1200
	Guernsey														
6	Pembroke	1025.2	+2	W.	2	c	61	75	8	7	4	-	4-6	7-8	4500
7	Holyhead	1023.8	+10	SW'W	3	c	61	65	8	7	7	-	7-8	9	3500
	Chester (Sealand)	1024.3	+6	NNW	2	c	65	65	8	5	2	-	Tr	10	2500
8	Manchester	1023.6	+10	W'N	3	c	60	65	8	5	7	-	4-6	9+	2600
10	Spurn Head	1022.0	+2	W'S	4	bc	67	55	8	1	-	-	2-3	2-3	5000
	Catterick	1021.9	+4	NW'W	2	c	63	55	8	7	4	8	7-8	9	2500
	Tynemouth	1021.6	+8	W	3	c	61	75	7	8	-	-	7-8	7-8	3400
11	St. Abbs Head	1020.5	+10	NW	3	c	58	55	8	2	7	-	4-6	7-8	3000
	Leuchars	1020.1	+4	W	2	c	61	55	8	8	-	-	7-8	7-8	3500
12	Renfrew (Abbots I.)	1021.5	+2	W	3	c	62	65	8	7	-	-	9	9	3200
	Eskdalemuir	1021.8	+8	WNW	3	bc	57	65	8	8	-	-	7-8	7-8	2500
	Point of Ayre	1023.4	+10	NW	3	c	63	75	8	4	4	-	2-3	9+	2500
13A	Tiree	1020.8	-4	SW'W	3	c	59	85	8	5	-	-	9+	9+	2500
13B	Stornoway	1020.2	+12	SW	2	$r_o r_o$	59	97	6	5	2	-	9	9+	1500
15	Dalwhinnie	1021.2	+6	SW	1	o	55	65	8	5	-	-	10	10	2500
	Aberdeen	1019.7	+6	NE	1	c	60	65	8	8	-	-	9	9	2500
	Wick	1018.5	+12	WNW	4	c	58	65	8	8	6	2	4-6	9+	800
16	Lerwick	1016.2	+24	NW'W	4	c	54	85	8	5	7	-	4-6	7-8	1500
17	Blacksod Point	1024.4	+14	WNW	2	c	62	85	8	5	-	-	10	10	800
18	Malin Head	1022.0	+10	SW	1	bc	60	85	8	4	6	-	2-3	4-6	5700
	Aldergrove	1022.9	+10	SSW	2	c	60	76	8	5	7	-	4-6	9+	3500
19	Birr Castle	1024.0	+6	WNW	1	c	63	85	8	5	1	-	7-8	10	1500
20	Valentia Obsy. †	1026.5	+10	NW'N	3	c	62	92	7	5	-	-	9+	9+	800
	Roches Point	1026.3	+4	NW	3	c	63	85	8	5	-	-	9+	9+	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1023.3	+2	NW'N	3	bc	70	35	8	-	5	5	0	4-6	-	0	*
Croydon	1022.8	0	NNW	2	bc	70	55	8	1	4	5	Tr	4-6	4000	0	*
S. Farnborough	1023.2	+4	WNW	2	bc	71	36	8	1	4	1	Tr	2-3	4000	0	*
Boscombe Down	1023.2	+2	W	3	bc	69	45	8	7	-	1	2-3	4-6	3500	0	*
Calshot (Soton.)	1023.2	-2	WSW	3	b	68	75	8	4	-	1	Tr	Tr	5700	0	1
Lympne																§
Manston	1023.2	0	S	2	z_o	64	65	6	-	7	1	0	4-6	-	0	*
Shoeburyness	1023.3	+6	NW	1	c	68	45	8	-	3	-	0	9+	-	0	*
Felixstowe	1022.9	+4	NW'N	2	bc	68	66	7	-	3	-	0	7-8	-	0	1
Gorleston	1023.3	+10	E'N	2	bc	62	65	7	-	5	-	0	4-6	-	0	2
Mildenhall	1022.8	+6	WNW	3	c	66	55	8	5	7	-	4-6	9+	6000		*
Cranwell	1023.4	+10	NW	2	b	65	55	7	-	-	-	0	0	-	0	*
Birmingham	1023.9	+4	NNW	2	z_o	64	65	7	1	-	1	Tr	2-3	4000	0	*
Upper Heyford	1023.3	0	NNW	2	bc	68	55	8	4	-	2	Tr	4-6	3500	0	*
Ross-on-Wye	1023.7	+8	NW'W	3	bc	67	45	8	5	-	6	Tr	4-6	4000	0	*
Hartland Point	1025.8	+4	WNW	3	c	61	75	9	-	4	-	7-8	7-8	6500	0	2
Bristol	1024.2	+14	W	3	bc	65	65	8	-	4	2	0	4-6	-	0	*
Portland Bill																
Plymouth	1025.0	+6	NNW	4	b	67	55	9	6	-	1	Tr	Tr	4000	0	2
The Lizard	1026.1	0	NW'W	2	bc	64	75	8	8	6	-	4-6	4-6	2500	0	2
Scilly (St. Mary's)	1026.6	+2	NW'W	2	c	63	85	8	8	-	-	10	10	2000	0	1
Guernsey																
Pembroke	1025.9	+4	W'S	2	c	62	85	7	5	7	-	4-6	9	3600	0	2
Holyhead	1024.7	+2	S'W	2	c	59	85	8	5	-	-	9+	9+	2200	0	1
Chester (Sealand)	1025.2	+2	NW	3	c	60	75	7	-	3	-	0	9	-	0	*
Manchester	1024.2	+4	NW'W	3	bc	60	65	8	5	9	1	2-3	7-8	5500	0	*
Spurn Head	1023.1	+6	E'N	3	c	58	75	8	5	-	-	7-8	7-8	4800	0	1
Catterick	1023.4	+10	WNW	2	bc	62	66	8	1	4	1	Tr	4-6	3000	0	
Tynemouth	1022.3	+8	E	2	c	57	75	8	8	-	-	9+	9+	2600	0	1
St. Abbs Head	1022.6	+6	W	2	c	58	75	8	5	5	-	7-8	9	2100	1	2
Leuchars	1021.2	+4	W	2	c	63	55	8	5	7	-	7-8	9	3500	0	*
Renfrew (Abbots I.)	1022.9	+8	SW'S	2	c	59	85	8	8	-	-	9	9	2500	0	*
Eskdalemuir	1022.7	+4	WSW	3	c	57	75	8	7	3	-	2-3	9	2500	1	*
Point of Ayre	1023.9	+2	W'N	2	c	61	85	8	5	7	-	7-8	9+	2500	0	1
Tiree	1022.7	+12	WNW	2	bc	58	85	8	7	-	-	2-3	2-3	4000	0	2
Stornoway	1021.4	+10	WNW	4	c	59	85	8	8	7	-	4-6	7-8	2500	1	2
Dalwhinnie	1022.0	+6	SW	1	c	55	88	8	7	-	-	9+	9+	1500	0	*
Aberdeen	1021.6	+10	SW'W	1	pr	58	65	6	9	7	-	4-6	9+	1500	0	1
Wick	1020.6	+10	NNW	3	bc	58	65	8	5	4	1	2-3	4-6	1500	1	1
Lerwick	1019.2	+12	NW	3	bc	53	85	8	5	8	-	4-6	4-6	2500	0	*
Blacksod Point	1026.0	+8	W	2	c	60	92	7	5	-	-	10	10	450	0	2
Malin Head	1024.4	+10	NW'N	3	c	59	68	7	9	-	4	4-6	7-8	4000	0	2
Aldergrove	1023.7	+6	NW'N	2	b	65	75	8	1	-	-	2-3	2-3	2500	0	*
Birr Castle	1025.3	+8	WNW	1	c	65	76	8	5	-	8	4-6	7-8	2500	0	*
Valentia Obsy. †	1028.0	+10	NNW	3	p/d	60	97	7	5	-	-	10	10	800	0	2
Roches Point	1026.2	+8	NW	3	c	62	85	8	8	1	-	7-8	9	1500	0	2

PAST 24 HOURS.

Stations	Weather 7h.—13h. 15th (37)	13h.—18h. 15th (38)	18h. 15th to 1h. 16th (39)	1h.—7h. 16th (40)
London (Kew)	cbcy	bcy	bcbbccyw	bczow
Croydon	cbcby	bcy	bcyzocbc	bccbcmo
S. Farnborough	bcy	bcby	bymo	bcmoc
Boscombe Down	bbc	bcby	bcb	bmo
Calshot (Soton.)	bcy	cbcb	bbcbmo	bbcwmo
Lympne				
Manston	b	bbcmo	bcmow	bcmow
Shoeburyness	bcby	bbcy	eyebc,bc	bcc,bmo
Felixstowe	bmoby	bybc	cbmocmo	bcmocmo
Gorleston	bbc	bcbbc	bcc	bc
Mildenhall	bcwmby		bc	c,bbcmow
Cranwell	bmoby	bbcby	czomo	cmobcmcmo
Birmingham	cbcc	cbz	b	b,c
Upper Heyford	cbc	bcy	bcbbc	bcbmocw
Ross-on-Wye	cbc	bcybvbc	bcbb	bmow
Hartland Point	c	cbcc	c	cw
Bristol	ccy cc	c, bybc		bbmo wbc
Portland Bill				
Plymouth	bmo bcbcy	bcyby	bybcy.b	b-c.
The Lizard	cb	cbc	bccw	co
Scilly (St. Mary's)	cbcc	c	cdoc	bc
Guernsey				
Pembroke	c	c	c	c
Holyhead	cbcc	cyc	cwb	bwmobc
Chester (Sealand)	bcc	cbcc	bccmo	cmow
Manchester	bcc	cbc	bccmofg	cmocm
Spurn Head	bc	c	cbc	bc
Catterick	wbbcy	cycbc	bcc	cbwb
Tynemouth	bcc	c	cbc	bc
St. Abbs Head	bbcy	cpr	bbc	bcc
Leuchars	bbcc	cybccy	cycbcb	bbwbbcc
Renfrew (Abbots I.)	bcc	c	cmoc	cmociro
Eskdalemuir	cwcbc	bcc	cbcb	bbcc
Point of Ayre	c	c	bcbbc	bcc
Tiree	c	cbc	c	oro
Stornoway	crr	crоrо	cbcc	cdodo
Dalwhinnie	cbco	obc		cbco
Aberdeen	bbcc	ccpro		
Wick	bcprc	cbc	cbcc	cproc
Lerwick	c	cbc	bcc	
Blacksod Point	c	c	c	id
Malin Head	ccprbc	c	c	c
Aldergrove	c	cbccb	bcwc	cwcmo
Birr Castle	cidoc	c	bcc	c
Valentia Obsy. †	moididoc	coidocidoc	dodooidocm	oidoccmo
Roches Point	c	c	bccw	cwc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_o, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus
R, heavy rain. r_o, slight rain.
rr, continuous rain.
<, less than (for cloud height). gale.
Solar halo. lunar halo. Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

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

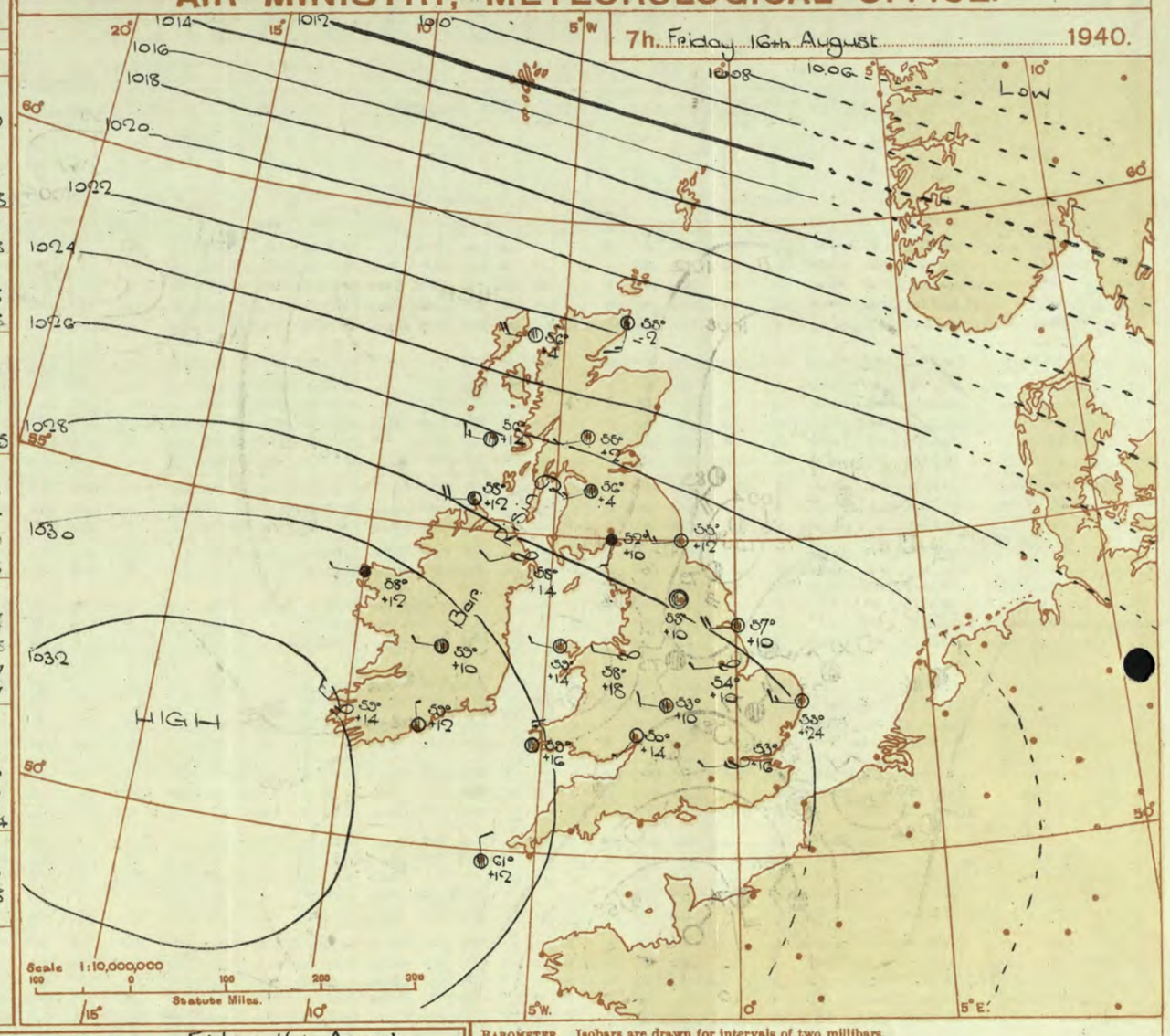
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Friday 16th August 1940.

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 15th August				18h. G.M.T.			01h. G.M.T. 16th August				07h. G.M.T.		
III	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN	C_L C_M	wwVhN$_h$	DDFWN
109	77	02854	25497	10	01963	25313	62	25745	22388	5-	54418	21858
115	73	01854	24425	71	01954	24314	52	02635	20387	--	04109	20483
203												
206	84	02865	23325	87	25955	00086	5-	01864	00024	52	02955	23328
210	8-	01954	24224				5-	01864	20124	51	02865	22228
220	52	22844	23218	73	01853	23104				55	01635	24368
230	77	02834	21227				51	02845	24128	62	01736	24258
245	86	01864	24325				54	00872	26118	57	02775	25217
260	27	02754	24216	5-	02767	24317	03	00790	22111	57	05655	22218
277	73	02854	22327	57	02867	16268	5-	02758	24228	5-	05648	23328
279												
285	8-	02847	26627							8-	02737	25317
288	76	01865	26318				04	05690	16125	50	01864	20215
273	76	01653	17155							43	00844	24318
301	43	02863	26327	73	01862	28215				57	02765	28225
321	10	05693	28313	05	05690	27314	03	05690	25114	07	05590	23113
299	50	01753	30313				5-	05643	00013	57	01753	25216
292				84	01853	26314	57	02762	00026	57	02572	00024
310	--	02636	26326		01633	24313				--	48209	24325
316	10	03661	24202	00	05690	24211	00	05590	00015	57	05566	00026
333	52	02975	26218	5-	02867	22227	5-	02757	00027	50	01784	28114
334		02852	24215		02855	22328				--	02747	32127
340				07	01890	32315	00	04690	00014	57	04555	00058
136	50	01751	22203	54	02763	02216				00	05590	24127
336		01862	24413							--	02854	28417
350	10	00761	26103	07	00790	26213	00	05690	30115			
368	13	01751	23313	44	01862	24303				10	01861	30113
379	10	02851	28326	10	02851	28315	00	05690	32202	00	05690	26313
390				07	05690	26214	00	05590	27216	04	05590	26228
382	10	02851	24215	76	01864	30215	00	05690	00013	00	05690	00014
438	50	01763	24313							50	01784	02314
430	10	01861	28214	46	00761	20301				00	05690	02115
409	17	01844	26314	17	01843	28313	5-	02738	32113	52	08416	31128

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



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 16th August
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Light northwest wind, variable on coasts; fair, average temperature.
6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light northwest or west wind; fair or cloudy, average temperature.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland	Light or moderate west wind; cloudy, local drizzle, average temperature.
15 N. E. Scotland	As 6-11
16 Orkneys and Shetlands 17 N. W. Ireland	As 12-14
18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 6-11

GENERAL INFERENCE.

A large anticyclone centred off Southwest Ireland is spreading northeast and the centre appears to be moving slightly east or northeast. Weather will be mainly fair but there will be much cloud in the West and North and local drizzle in the Northwest. Fair weather is probable for some days in most areas, especially in the South.

FURTHER OUTLOOK.

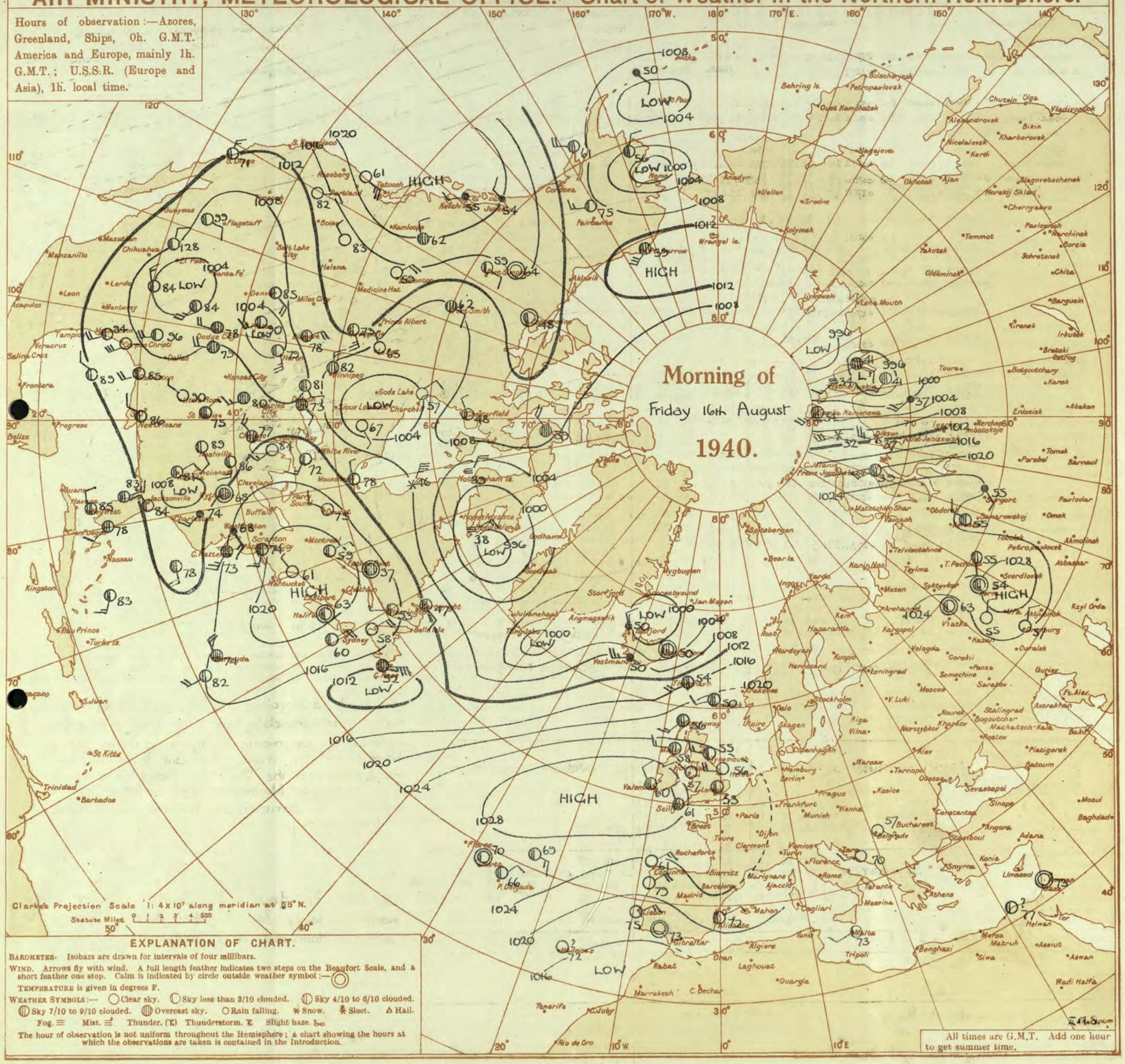
Fair for a few days in the South, and probably warmer. Mainly fair in other districts except the extreme Northwest and North.

Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 16th August, 1940.

No 28,757.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1026·2	+10	-	0	bc	53	85	7	-	3	6	0	4·6	-
	S. Farnborough	226	1026·9	+10	-	0	zo	46	85	6	-	-	1	0	2·3	-
	Boscombe Down	417	1027·3	+14	NNW	1	zo	51	85	6	-	-	1	0	Tr	-
	Calshot (Sthmtn.)	8	1026·0	+10	N	2	zo	59	85	6	-	-	2	0	2·3	-
	Lympne ...	346														
	Manston ...	154	1025·5	+6	NW	3	zo	55	85	6	-	-	7	0	10	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1025·2	+10	NNW	1	zo	55	92	6	-	-	7	0	9+	-
	Gorleston ...	5	1025·2	+4	W'N	2	c	57	75	7	5	-	-	9+	9+	1500
	Mildenhall ...	19	1025·9	+6	NW'W	2	zo	47	92	6	-	7	-	0	9	-
	Cranwell ...	240	1026·3	+6	NNW	2	zo	51	85	5	-	7	7	0	10	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1026·5	+6	N	1	bc	52	85	7	-	-	6	0	4·6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1027·4	+2	WSW	2	c	60	92	8	5	2	-	7·8	10	1500
	Bristol ...	209														
	Portland Bill ...	32														
	Plymouth ...	82	1027·6	+2	NNW	2	b	59	92	7	-	4	-	0	Tr	-
	The Lizard ...	240	1028·3	+6	NW	2	c	58	97	7	8	2	-	9	10	2500
	Scilly (St. Mary's)	163	1028·8	+10	NNW	2	c	61	97	7	5	2	-	4·6	9+	1500
	Guernsey ...	175														
6	Pembroke ...	142	1027·7	+6	N'W	2	c	60	97	8	5	-	-	10	10	2500
7	Holyhead ...	26	1026·6	+6	W'N	2	b	57	92	8	-	-	-	0	0	-
	Chester (Sealand)	16	1027·3	+2	SE	1	zo	53	92	5	5	-	-	9+	9+	5700
8	Manchester ...	70	1027·0	+6	S	1	zo	50	97	5	5	3	-	4·6	9+	5700
10	Spurn Head ...	29	1025·3	0	W	4	b	56	85	6	1	-	-	1	1	2500
	Catterick ...	175	1025·5	+4	SSW	1	c	51	85	7	-	-	7	0	9+	-
	Tynemouth ...	108	1024·6	+4	W	3	bc	56	85	7	8	-	-	4·6	4·6	2600
11	St. Abbs Head	280	1023·5	+6	W'S	4	bc	57	75	8	5	4	-	4·6	4·6	2500
	Leuchars ...	36	1024·0	+10	W	2	bc	53	92	7	-	7	-	0	2·3	-
12	Renfrew (Abbots I.)	19	1025·7	+10	SW'S	2	c	54	85	7	5	-	6	4·6	9	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1026·7	+8	NW'N	2	bc	57	97	8	5	-	5	1	4·6	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1022·3	0	SSW	3	c	56	85	7	5	7	-	4·6	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1022·0	+2	SW	3	c	53	85	7	5	2	-	7·8	10	1500
16	Lerwick ...	156	1021·0	+2	SW	2	c	50	97	8	5	7	-	4·6	7·8	1500
17	Blacksod Point	18	1028·5	+12	NW	1	c	59	97	7	8	-	-	10	10	450
18	Malin Head ...	84	1026·4	+6	W	3	c	58	92	8	9	-	-	9	9	4000
	Aldergrove ...	268	1027·2	+8	SW	1	c	54	97	7	5	-	-	10	10	2500
19	Birr Castle ...	173	1029·1	+6	WNW	1	c	56	92	8	5	-	-	10	10	2500
20	Valentia Obsy.	30	1030·3	+4	NW'N	2	zo	60	97	6	5	-	-	10	10	800
	Roches Point	22	1029·1	+6	WNW	2	c	59	97	8	5	7	-	4·6	7·8	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1029·2	+20	SW	1	zo	55	75	6	-	-	6	0	7-8	-	0	*
Croydon ...	1028·7	+16	W	1	zo	53	85	6	-	-	4	0	7-8	-	0	*
S. Farnborough	1029·4	+14	W'S	1	zo	50	85	6	-	4	7	0	9+	-	0	*
Boscombe Down	1029·9	+18	-	0	zo	49	92	6	-	-	2	0	4-6	-	1	*
Calshot (Sthmtn.)	1028·9	+20	NW'N	2	zo	55	85	6	-	-	2	0	4-6	-	0	0
Manston ...	1028·1	+20	NW	2	zo	59	85	6	5	-	-	9+	9+	1500	0	*
Shoeburyness ...	1028·1	+22	NNW	2	b	55	75	6	-	-	1	0	Tr	-	0	*
Felixstowe ...	1027·9	+18	NW	2	zo	54	85	6	-	-	6	0	7-8	-	0	1
Gorleston ...	1028·1	+24	W'N	3	bc	53	75	6	-	7	-	0	4-6	-	0	1
Mildenhall ...	1028·3	+18	WSW	2	zo	49	97	5	-	3	4	0	4-6	-	0	*
Cranwell ...	1028·3	+10	W	1	zo	54	85	5	5	5	-	4-6	9+	3800	0	*
Birmingham ...	1028·8	+10	WNW	2	c	53	92	6	5	-	-	10	10	2500	0	*
Upper Heyford	1029·1	+18	WNW	2	zo	51	92	6	-	4	2	0	7-8	-	0	*
Ross-on-Wye	1029·3	+14	SW	1	b	50	85	8	-	-	1	0	1	-	0	*
Hartland Point	1029·4	+16	W	2	c	61	92	8	5	2	-	7-8	10	700	0	2
Bristol ...	1030·2	+14	-	0	b	51	85	7	5	-	1	Tr	1	3500	0	*
Portland Bill ...																
Plymouth ...																
The Lizard ...	1030·3	+16	NNW	1	0	60	97	6	5	2	-	9	10	1500	0	2
Scilly (St. Mary's)	1030·0	+12	N'W	2	c	61	97	8	5	-	-	9	10	1500	0	1
Guernsey ...																
Pembroke ...	1030·4	+16	N	3	c	59	92	7	5	1	-	4-6	7-8	2500	0	1
Holyhead ...	1029·0	+14	WNW	1	c	59	92	7	5	-	-	7-8	7-8	1100	0	1
Chester (Sealand)	1029·5	+18	WNW	1	zo	58	92	6	5	-	-	9	9	2400	0	*
Manchester ...	1028·8	+18	S'W	1	m	54	92	4	5	-	-	10	10	3500	0	*
Spurn Head ...	1027·3	+10	W	4	c	57	85	6	7	-	-	9+	9+	5500	0	3
Catterick ...	1027·3	+10	-	0	bc	53	97	7	-	-	8	0	2-3	-	0	*
Tynemouth ...	1025·3	+12	W	3	bc	55	92	6	5	3	-	2-3	4-6	2500	0	1
St. Abbs Head	1024·9	+10	WNW	3	c	56	75	8	5	1	-	4-6	10	3000	0	2
Leuchars ...	1025·2	+10	WSW	2	c	53	85	7	5	2	-	7-8	10	3500	0	*
Renfrew (Abbots I.)	1026·3	+4	WSW	3	c/d	56	97	6	5	-	-	10	10	900	0	*
Eskdalemuir ...	1027·0	+10	S'W	1	id.	52	92	7	5	-	-	10	10	800	1	*
Point of Ayre ...	1028·1	+12	W'N	3	id.	57	92	8	-	7	-	0	10	-	0	1
Tiree	1026·1	+14	W'N	3	o	56	97	6	5	-	-	10	10	600	1	2
Stornoway ...	1023·2	+4	W	4	c/r	56	97	6	5	2	-	9	10	800	1	2
Dalwhinnie ...	1025·6	+2	WSW	1	o	55	85	6	5	4	-	7-8	10	1500	1	*
Aberdeen ...																
Wick ...	1021·4	-2	SSW	3	c	55	85	8	5	1	-	7-8	10	2500	1	1
Lerwick ...																*
Blacksod Point	1030·6	+12	W	1	id.	58	97	7	6	-	-	10	10	<150	1	3
Malin Head ...	1027·7	+12	W	4	c	58	92	8	9	-	-	9	9	4000	0	3
Aldergrove ...	1028·9	+14	WSW	2	zo	58	97	6	5	-	-	9+	9+	1200	0	*
Birr Castle ...	1030·7	+10	WNW	1	c	59	92	7	5	-	-	10	10	2500	0	*
Valentia Obsy.	1032·1	+14	NW'N	2	zo	59	97	6	5	-	-	10	10	800	0	1
Roches Point	1031·2	+12	NNW	1	c	59	92	6	5	-	-	9+	9+	2500	0	1

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 15th Hrs. (36)
London (Kew)	71	51	37	-	-	9·5
Croydon ...	71	50	39	-	-	9·7
S. Farnborough	75	42	35	-	-	10·3
Boscombe Down	73	47	42	-	-	10·6
Calshot (Sthmtn.)	73	52	48	-	-	10·7
Manston ...	71	53	44	-	-	9·7
Shoeburyness ...	73	50	39	-	-	9·1
Felixstowe ...	73	50	48	-	-	11·0
Gorleston ...	65	51	47	-	-	11·0
Mildenhall ...		43	34		Tr	10·7
Cranwell ...	68	48	45	-	-	8·9
Birmingham ...	68	48	36	-	-	6·2
Upper Heyford	71	47	41	-	-	*
Ross-on-Wye	71	44	37	-	-	8·8
Hartland Point	65	60	56	-	-	5·7
Bristol ...	71	45	37	-	-	10·9
Portland Bill ...			*			*
Plymouth ...				-		
The Lizard ...	67	55	*	-	-	9·3
Scilly (St. Mary's)	68	59	*	-	Tr	3·1
Guernsey ...						
Pembroke ...	64	56	*	-	-	1·4
Holyhead ...	63	56	52	-	-	4·3
Chester (Sealand)	63	51	46	-	-	1·9
Manchester ...	62	50	41	-	-	3·1
Spurn Head ...	67	54	*	-	-	10·2
Catterick ...	64	42	39	-	-	8·9
Tynemouth ...	63	50	48	-	-	*
St. Abbs Head	61	54	*	Tr	-	*
Leuchars ...	63	50	45	-	-	4·1
Renfrew (Abbots I.)	66	53	47	-	Tr	4·2
Eskdalemuir ...	61	50	47	-	Tr	3·5
Point of Ayre ...	65	55	*	-	-	2·6
Tiree	62	56	*	-	0·3	4·6
Stornoway ...	60	54	*	0·5	Tr	4·6
Dalwhinnie ...	58	48	40	- Tr	-	1·5
Aberdeen ...						
Wick ...	59	47	*	Tr	Tr	*
Lerwick ...			*	-		
Blacksod Point	62	56	*	0·5	0·1	*
Malin Head ...	63	52	*	1	-	4·7
Aldergrove ...	66	49	47	-	-	3·6
Birr Castle ...	65	54	49	Tr	-	0·0
Valentia Obsy.	63	59	58	Tr	0·3	0·0
Roches Point	65	57	*	Tr	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew ...	18	cbcy	bcy	bcyazw	71	51	37	-	-	9·5	•	•	6
Croydon ...	217	cbeby	bcy	bczobcm	71	50	39	-	-	9·7	•	•	6
Greenwich (Royal Observatory) ...	149	by	by	cybcbz	73	52	41	-	-	9·1	36	59	5
City (Bunhill Row) ...	—	•	•	•	•	•	•	•	•	•	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	73	53	48	-	-	8·8	57	73	•
Regents Pk. (Botanic Gardens)‡ ...	168	•	•	•	72	52	47	-	-		54	57	•
Camden Square ...	110	bc	o	•	75	53	46	-	-	•	•	61	•
Kensington ...	80	bcz	bcbz	•	73	53	46	-	-		39	54	•
Hampstead Observatory ...	450	bc	bc	bc	71	51	46	-	-		•	70	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 16th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.
0·1	3-7h 16th	<0·1	10-24h 15th

FOREIGN OBSERVATIONS.

18h. G.M.T. 15th August; 7h. G.M.T. 16th August

Stations	18h. Barom. mb.	18h. Wind Direc.	18h. Wind Force	18h. Weather	18h. Temp. °F.	7h. Barom. mb.	7h. Wind Direc.	7h. Wind Force	7h. Weather	7h. Temp. °F.	Past 24 Hours Max. Day °F.	Past 24 Hours Min. Night °F.	Past 24 Hours Rainfall Day mm.	Past 24 Hours Rainfall Night mm.
Paris ...														
Brussels ...														
Berlin ...														
Zürich ...														
Rome ...											•	•		

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptions.
4 Rough.	9 Confused.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Saturday 17th August 1940.

No. 28,758

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1029.8	-2	N	2	c	69	55	7	8	1	-	7-8	9+	2800
	Croydon	1029.5	+2	NW'W	2	z_o	70	68	6	5	2	-	4-6	9	3500
	S. Farnborough	1029.9	+2	NW	3	c	72	45	7	7	3	8	4-6	7-8	4000
	Boscombe Down	1030.1	0	NW'N	2	bc	70	55	8	1	-	-	2-3	2-3	2500
	Calshot (Soton.)	1029.9	+2	SW	3	bc	73	68	7	1	-	1	4-6	4-6	4000
	Lympne														
	Manston	1029.2	-2	W	3	z_o	69	45	6	1	-	1	1	4-6	2500
2	Shoeburyness	1028.1	-4	W'N	2	bc	71	35	7	1	-	7	2-3	2-3	4000
	Felixstowe	1028.5	-6	S	3	c	67	55	8	7	-	-	9+	9+	4000
	Gorleston	1028.4	0	WNW	4	c	66	58	7	5	-	-	9+	9+	2600
	Mildenhall	1028.5	-4	W'N	3	z_o	67	68	6	8	-	-	7-8	7-8	2500
	Cranwell	1028.5	-4	NW	3	z_o	68	85	6	5	-	-	9	9	3600
3	Birmingham	1030.1	+2	NW	2	c	65	66	7	5	-	-	10	10	4000
	Upper Heyford	1029.7	-2	NW'W	3	c	71	55	7	8	-	-	7-8	7-8	3500
4	Ross-on-Wye	1030.1	0	W'N	3	c	68	65	8	5	-	-	10	10	4000
5	Hartland Point	1031.8	+8	W	2	c	66	86	7	5	-	-	9+	9+	600
	Bristol	1030.9	+4	WNW	2	c	68	66	8	7	-	-	7-8	7-8	2500
	Portland Bill														
	Plymouth	1031.2	+6	SW'S	2	c	66	85	8	8	-	-	7-8	7-8	2000
	The Lizard	1032.2	+10	—	0	c	65	85	7	5	2	-	9	10	1500
	Scilly (St. Mary's)	1032.5	+8	N'E	2	c	67	85	7	4	1	-	1	10	2500
	Guernsey														
6	Pembroke	1032.0	+4	NW	2	bc	64	75	7	2	7	-	2-3	2-3	2500
7	Holyhead	1031.0	+6	W'N	4	c	64	86	7	5	-	7	2-3	10	1500
	Chester (Sealand)	1030.9	+4	WNW	4	c	66	65	8	1	3	-	4-6	7-8	3500
8	Manchester	1030.2	+12	W'N	3	c	62	75	7	5	7	-	4-6	10	2600
10	Spurn Head	1028.0	+2	W'S	3	c	68	65	6	2	1	8	7-8	9+	3800
	Catterick	1027.9	+2	NW'W	3	c	65	75	7	5	7	-	1	9	5000
	Tynemouth	1026.5	0	W	3	c	64	75	6	8	-	-	9+	9+	2100
11	St. Abbs Head	1026.6	+6	WNW	3	c	63	75	8	5	2	-	4-6	10	3000
	Leuchars	1025.2	-2	SW	3	c	65	75	8	5	1	-	7-8	9	3500
12	Renfrew (Abbots I.)	1028.0	+10	W'N	4	c/r	62	85	7	5	3	-	9	9+	1500
	Eskdalemuir	1027.5	+2	NW'W	4	c	60	86	7	5	-	-	10	10	800
	Point of Ayre	1030.3	+12	NW'N	3	c-jp	61	92	7	5	2	-	4-6	10	1600
13A	Tiree	1028.0	+4	WNW	4	c	58	92	7	5	-	-	10	10	1200
13B	Stornoway	1024.9	+8	WSW	5	c/pr	60	75	7	5	7	-	7-8	9	1600
15	Dalwhinnie	*	+6	SW	2	c	60	85		5	1	-	4-6	10	800
	Aberdeen	1023.8	+2	SW'W	1	c	66	76	7	4	3	-	9	9+	4000
	Wick	1021.7	+2	W	4	c	64	75	8	5	5	2	4-6	9+	1500
16	Lerwick	1017.8	+6	WSW	6	$r_o r_o$	54	97	6	6	2	-	4-6	10	450
17	Blacksod Point	1032.9	+16	W	3	c	62	75	8	5	-	-	9+	9+	1500
18	Malin Head	1030.2	+8	W'S	4	c	58	85	8	6	-	-	9	9	5700
	Aldergrove	1030.7	+6	W'N	2	c	63	76	8	5	-	-	10	10	1400
19	Birr Castle	1032.2	+4	NW	2	c	67	68	8	8	1	-	7-8	9	1500
20	Valentia Obsy. †	1034.0	+4	NW'W	3	bc	65	68	9	7	7	-	4-6	4-6	4000
	Roches Point	1032.9	+4	SSW	1	c	68	75	8	5	-	-	7-8	7-8	2500

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1030.3	+2	NW'N	2	c	69	55	7	5	-	-	9+	9+	4000	0	*
	Croydon	1029.4	-2	NNW	3	z_o	69	65	6	5	3	-	4-6	9+	3000	0	*
	S. Farnborough	1030.5	+6	NW	2	c	65	55	7	5	-	-	9+	9+	5000	0	*
	Boscombe Down	1030.1	0	NW'N	2	z_o	68	68	7	2	-	-	9+	9+	3000	0	*
	Calshot (Soton.)	1030.1	0	SW'W	3	z_o	66	85	7	5	-	-	9	9	5700	0	1
	Lympne																
	Manston	1029.4	-2	NW	3	z_o	67	68	6	5	-	-	9+	9+	3500	0	*
2	Shoeburyness	1029.6	-2	WNW	1	z_o	68	65	6	5	-	-	10	10	4000	0	*
	Felixstowe	1028.6	-2	NW	3	z_o	69	65	6	5	-	-	9	9	4500	0	1
	Gorleston	1029.1	+2	E'N	1	c	64	75	6	-	4	2	0	7-8	—	0	1
	Mildenhall	1029.3	+6	N'W	2	z_o	65	75	6	5	6	-	9	9+	4500	0	*
	Cranwell	1029.8	+2	NW	3	z_o	66	66	6	5	3	4	4-6	7-8	2500	0	*
3	Birmingham	1030.6	0	NNW	3	z_o	66	65	7	7	-	2	2-3	4-6	4000	0	*
	Upper Heyford	1030.0	+2	WNW	3	bc	68	65	6	5	-	-	4-6	4-6	3500	0	*
4	Ross-on-Wye	1030.6	0	NW'W	3	c	66	66	8	5	-	1	7-8	9	2500	0	
5	Hartland Point	1032.2	0	NNW	2	c	62	65	8	4	6	-	2-3	7-8	2500	0	2
	Bristol	1031.1	0	W	2	c	66	85	8	4	-	-	9+	9+	3500	0	*
	Portland Bill																
	Plymouth	1031.6	0	NNW	3	b	68	68	8	1	-	-	Tr	Tr	3500	0	2
	The Lizard	1032.3	+2	NNW	2	bc	62	86	8	4	-	-	2-3	2-3	3500	0	2
	Scilly (St. Mary's)	1032.9	0	NE	3	b	64	75	7	-	-	-	0	0	-	0	1
	Guernsey																
6	Pembroke	1032.8	+2	WNW	2	c	61	88	8	5	6	-	4-6	7-8	2500	0	1
7	Holyhead	1031.7	+2	SW'W	3	c	62	85	7	5	-	-	10	10	3000	0	1
	Chester (Sealand)	1032.1	+2	WNW	3	z_o	62	85	6	7	3	4	2-3	7-8	3100	0	*
8	Manchester	1030.6	+4	WNW	3	c	63	85	7	5	7	-	7-8	10	4000	0	*
10	Spurn Head	1029.0	0	W	4	c	64	75	6	5	-	-	7-8	7-8	3500	0	2
	Catterick	1028.7	+6	NW'W	3	c	64	75	7	5	7	-	1	10	2500	0	
	Tynemouth	1027.3	+4	W	4	c	63	85	6	5	3	2	4-6	7-8	2500	0	1
11	St. Abbs Head	1026.0	+6	WNW	5	bc	63	75	7	1	4	7	1	4-6	2500	0	3
	Leuchars	1026.1	+4	W	5	bc	68	75	8	1	7	6	1	4-6	3840	0	*
12	Renfrew (Abbots I.)	1029.8	+10	W'N	3	c	59	75	8	8	-	1	7-8	7-8	1800	0	*
	Eskdalemuir	1029.0	+12	NW'W	3	id_o	57	92	6	5	-	-	10	10	800	1	*
	Point of Ayre	1031.2	+8	NW'N	2	c	60	92	7	5	2	-	7-8	10	2500	0	1
13A	Tiree	1029.3	+2	W	3	c	57	92	7	5	-	-	10	10	1200	0	3
13B	Stornoway	1026.6	+2	SW	6	$d_o d_o$	57	97	7	5	2	-	7-8	10	1500	1	3
15	Dalwhinnie	1028.3	+8	SW	1	c	58	75	7	4	4	-	4-6	10	1500	0	*
	Aberdeen	1024.8	+10	WNW	3	bc	68	65	8	4	4	1	Tr	2-3	4000	0	1
	Wick	1024.4	+20	WNW	5	bcq	60	75	8	5	7	8	4-6	4-6	2500	1	1
16	Lerwick	1020.1	+6	W'S	6	c	54	92	6	8	2	-	7-8	10	800	1	*
17	Blacksod Point	1033.8	+2	W	2	c	60	75	8	9	-	-	10	10	2600	0	2
18	Malin Head	1031.5	+6	NW	5	c	58	85	8	8	-	-	9	9	4000	0	3
	Aldergrove	1031.4	+4	NW'W	3	c	62	85	8	5	-	-	10	10	2000	0	*
19	Birr Castle	1032.7	+4	NW	1	b	68	68	8	-	-	-	0	0	—	0	*
20	Valentia Obsy. †	1034.5	-2	NW'N	4	bc	62	85	8	7	-	-	2-3	2-3	2500	0	1
	Roches Point	1033.0	0	SSW	1	b	66	75	8	1	-	-	1	1	4000	0	1

PAST 24 HOURS — WEATHER.

District	Stations.	7h.—13h. 16th (37)	13h.—18h. 16th (38)	18h. 16th to 1h. 17th (39)	1h.—7h. 17th (40)
1	London (Kew)	bwcz$_o$y	oy	cbcbmw	bbccmw
	Croydon	b,cm$_o$	cm$_o$	czobmo	bmowcmo
	S. Farnborough	cbbccy	cy	cybmo	bmofc
	Boscombe Down	b	bcym$_o$	bcm$_o$bmo	bmo
	Calshot (Soton.)	bzbczbc	bccyz$_o$	cm$_o$bmw	bmow
	Lympne				
	Manston	bczoy	cz$_o$y	bc	bmobmw
2	Shoeburyness	bm$_o$ycy	cycz$_o$	czocbc	bcmoO
	Felixstowe	bcm$_o$bcy	cycz$_o$	czo,bm	bcm$_o$cm$_o$
	Gorleston	bccy	cz$_o$z$_o$	cbcc	czo
	Mildenhall	bcm$_o$wbcm$_o$	cz$_o$ycz$_o$	c	cmow
	Cranwell	cm$_o$bccm$_o$	bcz$_o$	bcz$_o$, cm$_o$	cm$_o$,bmm$_o$
3	Birmingham	c	cbcz	bcz	bcz
	Upper Heyford	cm$_o$c	cbcm$_o$	bc	c
4	Ross-on-Wye	bbcc	cc	cbcbw	bmow
5	Hartland Point	c	cbcc	cbcc	cbccw
	Bristol	bbc	bc	bcbw	bwmo
	Portland Bill		c-b		
	Plymouth	cb,c	b,c	bbmo	bm$_o$bcm$_o$bmw
	The Lizard	o	cbc	bcw	bcb
	Scilly (St. Mary's)	c	cbcb	bw	bcwbif
	Guernsey				
6	Pembroke	cbc	bcc	c	bcif
7	Holyhead	bcwc ⊕	c ⊕	cwb	bwcb
	Chester (Sealand)	cm$_o$c	cbc	cbcmo	bccmow
8	Manchester	cm$_o$c	c	cmo	cmoc
10	Spurn Head	c	o	o	cb
	Catterick	c	cz$_o$c	cbcbw	bwb
	Tynemouth	bcc	c	cbcb	bbc
11	St. Abbs Head	c	bcb	b	bc
	Leuchars	c	cbc	bcb	bbc
12	Renfrew (Abbots I.)	cid$_o$r$_o$	c	bcb,c	cid$_o$c
	Eskdalemuir	cdd$_o$c	cid$_o$m$_o$	b	bbcc
	Point of Ayre	c	c	cbc	c
13A	Tiree	cid$_o$	c	pid	pid$_o$
13B	Stornoway	cpr$_o$	cpr	bc	cpr$_o$
15	Dalwhinnie	co	cbc	•	c
	Aberdeen	c	cbcb	b	bwb
	Wick	cpr$_o$c	cq	cbcqb	bbcc
16	Lerwick	cr$_o$r$_o$	cr$_o$ir$_o$	bcr$_o$dd	cidd r
17	Blacksod Point	c	c	c	c
18	Malin Head	c	c	c	c
	Aldergrove	cm$_o$oc	c	cbcbwc	cwbbc
19	Birr Castle	c	bcb	b	c
20	Valentia Obsy. †	cm$_o$cbc	bcb	bcbbw	bwb
	Roches Point	c	bcb	b	b

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

† Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29—STATE OF GROUND.

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

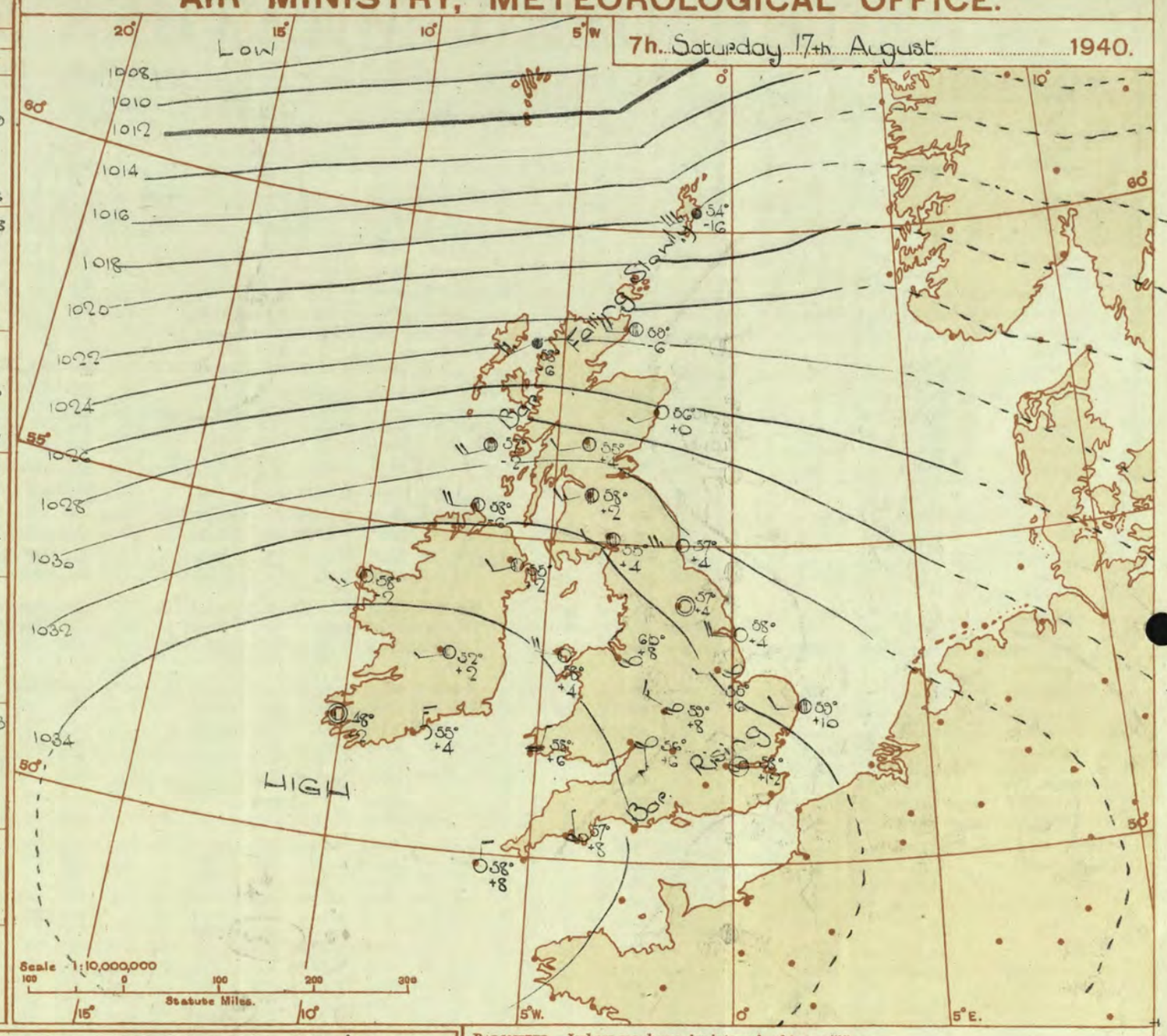
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

AIR MINISTRY, METEOROLOGICAL OFFICE.

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 16th August			18h. G.M.T.			01h. G.M.T. 17th August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	5-	53513	26558	50	05636	57757	5-	03648	85728			
115				--	67103	20569	82	81635	53688	--	45300	53689
203												
206	57	02844	24527	5-	01855	22523	5-	01864	24614	59	55615	25159
210	57	02854	22527	4-	02865	57415	50	00962	22512	57	02862	20426
220	53	02844	24326							56	64628	24468
230	5-	02748	22258	54	01854	28314	5-	02846	24426	5-	51747	20467
245	60	02863	24328	20	02862	57428	54	00861	55821			
260				77	05654	22425	5-	02747	22417	5-	02857	22427
277	5-	21628	28458	5-	02757	29427	5-	05647	27257	5-	02857	22227
279												
285	8-	02737	26527							5-	05558	00028
288				51	05654	21327	00	05650	28220	00	00800	22800
273	47	05643	29316							10	01762	26202
301	73	01764	26315	53	02756	30227	53	02654	30325	5-	05667	30227
321	5-	05668	28428	56	05668	26427	00	00490	26210	00	05690	26300
299	57	05647	32218	5-	05548	26228	00	00700	22220	00	00790	24200
292	57	02854	24328	5-	02765	24327	5-	05643	24213	00	00790	00013
310		03638	26428	--	02638	26328				--	03528	24328
316	13	05663	24313	57	05654	26325	5-	05558	28118	00	05690	26210
333	52	02846	28328	14	00751	28223	5-	02758	00028	50	00741	30111
334					03758	26228				--	05661	04101
340	17	02764	28228	50	01763	32314	5-	05658	28228	5-	05648	28228
136	10	05654	25414	03	05690	30224	5-	05668	25228			
336		02853	28427		01853	24414				--	01852	28014
350	50	05668	26215	53	05664	26217				53	05653	26213
368	10	05661	23313	53	02863	28216				00	05690	32100
379	7-	02767	24317	03	00790		53	05664	30217	53	05654	28315
390				53	05667	27228	03	05690	26213	5-	05558	25228
382	7-	02857	24227	77	05558	26226	00	05690	00000	5-	05558	00025
438										00	05690	02400
430				5-	05768	28228	00	05690	30200	00	05580	29200
409				10	00851	32302	50	05643	00013	5-	05528	24128

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



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 17th August
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Light west to northwest winds, fair or fine; fog locally in early morning; rather warm during day.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate westerly wind; fair to cloudy; average temperature.
12 S.W. Scotland & Isle of Man.	Fresh west to southwest wind; cloudy, occasional rain or drizzle; average temperature.
13 { A. W. Scotld. B.N.W.Scotland.	Fresh or strong westerly wind, gale locally; cloudy or overcast, periods of rain and drizzle: average temperature.
14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	
17 N. W. Ireland 18 N. E. Ireland	As 8-11
19 S. E. Ireland 20 S. W. Ireland	As 0-7

GENERAL INFERENCE.

An intense anticyclone centred off Southwest Ireland is almost stationary and a deep depression over Iceland is moving slowly east. Weather will be fair or fine in the South but it will be cloudy in the North, with occasional rain or drizzle and strong winds in Scotland.

FURTHER OUTLOOK.

Fair or fine for two or three days in the South, unsettled in the North.

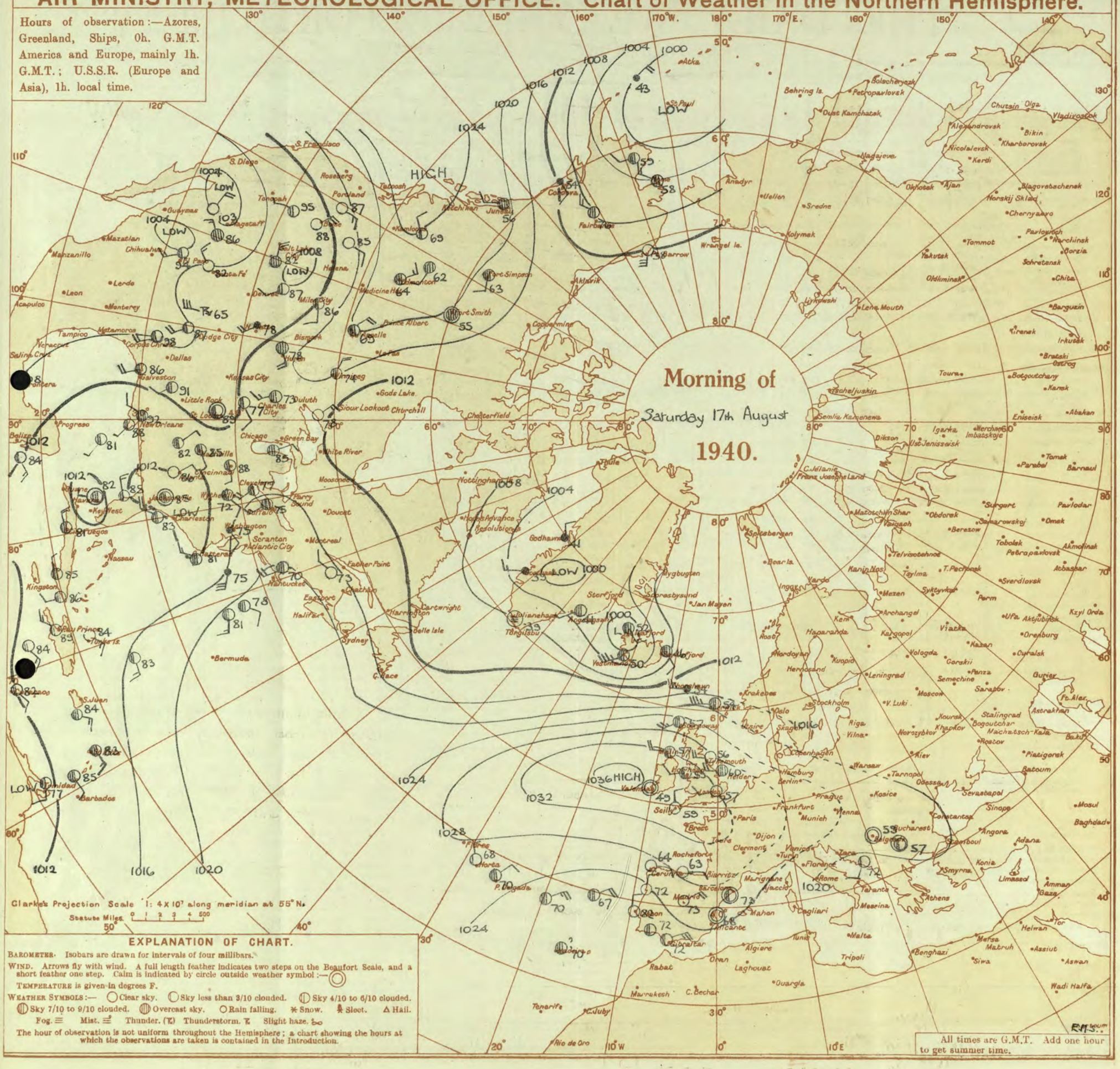
Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation :—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 17th August, 1940.

No. 28,756.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1032·1	+10	W	2	Zo	57	97	6	-	-	-	0	0	-
	S. Farnborough	226	1033·1	+10	WSW	1	fg	53	92	6	-	-	-	0	0	-
	Boscombe Down	417	1033·2	+12	-	0	Zo	55	97	5	-	-	-	0	0	-
	Calshot (Sthmtn.)	8	1032·1	+6	NNW	1	Zo	60	92	5	-	-	-	0	0	-
	Lympne ...	346														
	Manston ...	154	1031·7	+10	W	2	Zo	57	92	5	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1030·9	+6	WNW	2	Zo	61	85	5	5	-	-	4-6	4-6	5000
	Gorleston ...	5	1030·4	+2	WSW	2	c	59	85	6	5	1	-	7-8	10	2000
	Mildenhall ...	19	1031·2	+8	WSW	2	Zo	56	92	5	5	-	-	9	+	3300
	Cranwell ...	240	1031·4	+4	WNW	1	Zo	58	85	5	5	-	-	10	10	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1032·3	+4	-	0	Zo	54	92	6	-	7	6	0	7-8	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1034·1	+8	N	2	c	60	92	8	4	6	-	2-3	7-8	2500
	Bristol ...	209														
	Portland Bill ...	32														
	Plymouth ...	82	1033·6	+2	NNW	2	b	56 (58)	92	6	-	-	-	0	0	-
	The Lizard ...	240	1033·7	+2	NNE	3	bc	57	97	8	4	-	-	2-3	2-3	2500
	Scilly (St.Mary's)	163	1034·2	0	NNE	2	b	59	97	7	-	-	-	0	0	-
	Guernsey ...	175														
6	Pembroke ...	142	1033·0	0	S	1	c	60	92	7	5	-	-	9+	9+	2500
7	Holyhead ...	26	1032·8	+2	W'S	2	bc	59	85	7	-	3	-	0	2-3	-
	Chester (Sealand)	16	1032·7	-4	NW'W	2	Zo	60	85	6	5	-	-	4-6	4-6	2500
8	Manchester ...	70	1032·4	+2	WNW	2	Zo	58	92	6	5	-	-	4-6	9	2500
10	Spurn Head ...	29	1030·0	+2	W	4	o	60	85	6	5	-	-	10	10	2500
	Catterick ...	175	1030·3	+2	-	0	b	52	92	7	-	-	-	0	0	-
	Tynemouth ...	108	1028·4	+4	W	4	Zo	56	85	6	-	-	-	0	0	-
11	St. Abbs Head	280	1027·9	+6	WNW	4	b	59	65	8	-	-	-	0	0	-
	Leuchars ...	36	1028·4	+2	W	4	b	54	85	7	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	1031·1	+2	W'S	3	c	56	92	7	5	-	-	9+	9+	1400
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1032·5	+2	NNW	4	bc	57	92	8	8	-	-	4-6	4-6	1500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1026·1	0	SW	5	c	57	92	7	5	7	-	7-8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1024·1	+4	W	3	b	55	85	7	7	-	-	1	1	2500
16	Lerwick ...	156	1019·4	+2	W	7	c	54	97	6	5	2	-	7-8	10	800
17	Blacksod Point	18	1034·6	+2	W	2	c	57	85	8	5	-	-	10	10	1500
18	Malin Head ...	84	1032·2	0	W	4	c	57	92	8	6	-	-	9	9	4000
	Aldergrove ...	268	1032·9	+2	SW'W	2	c	53	92	7	5	-	-	9	9	1000
19	Birr Castle ...	173	1034·7	+4	NW	1	b	51	92	8	-	-	-	0	0	-
20	Valentia Obsy.	30	1025·4	+2	-	0	b	49	97	8	-	-	-	0	0	-
	Roches Point	22	1024·8	+4	N	3	b	56	85	8	-	-	-	0	0	-

OBSERVATIONS at 7 hr. G.M.T. 17th August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 16th Hrs. (36)
London (Kew)	1033·3	+12	SW	1	Zo	58	85	6	5	-	-	10	10	1500	0	*	71	55	43	-	-	6·1
Croydon	1033·0	+12	-	0	Zo	58	92	6	5	-	-	10	10	2000	0	*	71	55	44	-	-	6·5
S. Farnborough	1033·7	+20	WSW	1	Zo	53	97	6	5	-	-	7-8	7-8	3000	0	*	73	46	40	-	-	7·3
Boscombe Down	1034·2	+12	-	0	bf	51	97	2	-	-	-	0	0	-	r	*	73	51	43	-	Tr	8·5
Calshot (Sthmtn.)	1033·5	+12	NW'N	2	Zo	58	92	5	-	-	-	0	0	-	0	0 §	74	52	49	-	-	9·6
Lympne																						
Manston	1032·3	+10	WNW	2	Zo	60	92	5	5	-	-	10	10	1500	0	*	71	54	51	-	-	5·6
Shoeburyness	1032·6	+14	WNW	2	c	59	85	5	5	-	-	10	10	1500	0	*	72	54	43	-	-	7·1
Felixstowe	1031·9	+10	NW'W	2	Zo	61	85	6	5	-	-	9+	9+	2200	0	1	71	58	56	-	-	6·0
Gorleston	1031·1	+10	W	2	c	59	92	6	5	-	-	9+	9+	1400	0	1	67	58	53	-	-	6·6
Mildenhall	1031·9	+10	W'N	2	Zo	59	92	6	5	-	-	9+	9+	3000	0	*	71	52	46	-	Tr	6·3
Cranwell	1031·6	+6	W	1	Zo	55	92	5	-	-	-	0	0	-	0	*	70	50	45	-	-	5·1
Birmingham	1032·8	+8	NW	3	Zo	59	85	6	5	-	-	7-8	7-8	1500	0	*	68	58	54	-	-	3·7
Upper Heyford	1032·9	+8	WNW	2	Zo	61	75	6	5	-	-	9	9	1500	0	*	71	53	43	-	-	*
Ross-on-Wye	1033·4	+6	SSE	1	Zo	56	92	6	-	-	-	0	0	-	0	*	71	47	42	-	-	5·9
Hartland Point	1034·1	+8	N	1	c	60	97	7	7	6	-	4-6	7-8	1500	0	1	67	59	56	-	-	7·6
Bristol	1034·2	+14	NNW	1	Zo	57	92	5	-	-	-	0	0	-	0	*	71	49	39	-	-	8·0
Portland Bill																			*			
Plymouth	1034·6 (3)	+8	NNW	1	Zo	58 (7)	92	5	5	-	-	2-3	2-3	450	0	1	(68) (67)	54	51	-	-	7·[illegible]
The Lizard	1034·3	+16	N	2	b	60	85	7	-	-	-	0	0	-	0	1	70	56	*	-	-	2·9
Scilly (St.Mary's)	1034·5	+8	N	2	b/f	58	97	6	-	-	-	0	0	-	0	1	67	57	*	-	-	6·8
Guernsey																						
Pembroke	1034·2	+6	NE'N	1	lf	58	97	3	-	1	-	0	2-3	-	0	1	65	57	*	-	-	6·8
Holyhead	1033·3	+4	WNW	4	b	58	85	7	5	3	-	Tr	1	1500	0	2	67	56	54	-	-	3·0
Chester (Sealand)	1032·6	+8	NW	2	Zo	60	85	6	5	-	-	9+	9+	1000	0	*	66	59	54	-	-	4·3
Manchester	1032·9	+4	WNW	4	c	58	85	7	5	-	-	9+	9+	1700	0	*	66	56	42	-	-	1·2
Spurn Head	1030·6	+4	W'N	4	b	58	85	7	-	-	-	0	0	-	0	3	69	56	*	-	-	3·6
Catterick	1030·6	+4	-	0	b	57	85	8	-	-	-	0	0	-	0	*	65	52	49	-	-	2·9
Tynemouth	1029·3	+4	W	5	bc	57	85	7	2	-	-	4-6	4-6	2300	0	1	67	54	50	-	-	*
St. Abbs Head	1027·8	0	W	5	bc	57	85	8	4	4	-	2-3	4-6	4000	0	3	66	54	*	-	-	*
Leuchars	1027·6	+2	WSW	3	bc	57	85	8	2	4	6	2-3	4-6	2800	0	*	70	52	47	-	-	3·5
Renfrew (Abbots I.)	1030·7	+2	W'S	3	c	58	85	8	5	-	-	9	9	1500	0	*	63	52	48	Tr	Tr	1·0
Eskdalemuir	1030·8	+4	W	2	c	55	85	8	5	-	-	7-8	7-8	1500	0	*	62	50	46	0.1	Tr	0·6
Point of Ayre	1032·8	0	NW	4	c	57	92	8	5	-	-	9+	9+	1500	0	1	65	54	*	0.1	-	1·5
Tiree	1028·8	-2	SW'W	4	c/d	57	92	7	5	-	-	10	10	1500	1	3	60	55	*	Tr	0.4	0·1
Stornoway	1024·5	-6	SW	5	pr	58	97	7	5	7	-	9	10	800	1	3	63	55	*	0.1	Tr	2·3
Dalwhinnie	1028·8	+4	WSW	2	c	55	85	8	5	5	-	4-6	10	800	0	*	63	52	45	-	-	4·6
Aberdeen	1025·8	0	SW'W	1	b	56	85	7	-	7	1	0	1	-	0	1	71	48	43	-	-	3·6
Wick	1022·9	-6	W	4	c	59	75	8	5	7	8	4-6	9+	1500	1	1	69	53	*	0.6	-	*
Lerwick	1018·0	-16	WSW	7	dr	54	97	5	6	2	-	4-6	10	450	1	*	55	52	*	3	1	0·0
Blacksod Point	1033·6	-2	SW	3	c	58	85	8	5	-	-	9+	9+	1500	0	3	62	56	*	Tr	-	*
Malin Head	1031·3	-6	W	4	c	58	97	8	8	-	-	9	9	4000	0	3	61	54	*	-	Tr	0·[illegible]
Aldergrove	1032·9	+2	WSW	2	bc	55	85	8	5	-	-	2-3	2-3	1500	0	*	65	52	47	-	-	0·1
Birr Castle	1035·0	+2	WSW	1	c	52	92	8	5	1	-	7-8	10	2500	0	*	71	46	42	-	-	5·0
Valentia Obsy.	1035·5	+2	-	0	b	48	97	8	7	-	-	Tr	Tr	1500	0	1	65	46	41	-	Tr	7·3
Roches Point	1035·2	+4	N	3	b	55	92	8	-	-	-	0	0	-	0	1	(68)	54	*	-	-	*

LONDON OBSERVATIONS

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew ...	18	bcwcz₀cy	cy	cbcmow	71	55	43	-	-	6·1	*	*	6
Croydon ...	217	b,cm₀	cm₀	czowem,	71	55	44	-	-	6·5	*	*	6
Greenwich (Royal Observatory) ...	149	bcz₀y	cz₀y	cbc	72	58	45	-	-	5·1	55	66	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*	*	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	73	57	51		-	6·2	68	86	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	72	56	49	-	-	6·5	49	71	*
Camden Square ...	110	bc	c	*	73	57	48	-	-	*	*	68	*
Kensington ...	80	bcc	c	*	74	56	48	-	-		57	75	*
Hampstead Observatory ...	450	o	bc.	bc	71	54	48	-	-		*	79	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 17th.

South Kensington.

Max.	Time.	Min.	Time.

Kew Observatory.

Max.	Time.	Min.	Time.
0·1	5-7h 17th	<0·1	10-21h 16th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 16th August: Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 17th August: Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours: Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...														
Brussels ...														
Berlin ...														
Zürich ...														
Rome ...											*	*		

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

		Objects not visible at
0	Dense fog	55 yards.
1	Thick fog	220 ,,
2	Fog	550 ,,
3	Moderate fog	1,100 ,,
4	Mist or haze	1¼ miles.
5	Poor visibility	2½ ,,
6	Moderate ,,	6¼ ,,
7	Good ,,	12½ ,,
8	Very good ,,	31 ,,
9	Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Preciptious.
4 Rough. 9 Confused.

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

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Sunday 18th August, 1940.

No 28,759.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1031.7	+8	NW'N	2	bc	72	55	7	-	-	1	0	2-3	-
	Croydon ...	1031.8	-6	W	2	b	73	56	7	-	-	-	0	0	-
	S. Farnborough														
	Boscombe Down	1032.5	-10	W	2	z_0	73	55	6	-	-	-	0	0	-
	Calshot (Soton.)	1032.4	-10	SW	4	z_0	73	65	6	1	-	-	2-3	2-3	4000
	Lympne ...	1031.2	-12	NNW	1	z_0	72	55	6	-	-	-	0	0	-
	Manston ...	1031.6	-10	W'N	3	z_0	71	56	6	-	-	-	0	0	-
2	Shoeburyness ...	1031.4	-16	SW'W	2	b	75	65	6	-	-	-	0	0	-
	Felixstowe ...	1030.5	-12	W'S	2	b	76	45	7	-	-	-	0	0	-
	Gorleston ...	1031.1	0	ENE	2	b	65	75	6	-	-	-	0	0	-
	Mildenhall ...	1030.8	-10	W'N	2	b	76	55	7	-	-	-	0	0	-
	Cranwell ...	1030.1	-14	WNW	3	z_0	79	46	6	-	-	-	0	0	-
3	Birmingham	1031.4	-4	W	1	z_0	74	48	7	-	-	-	0	0	-
	Upper Heyford	1031.8	-8	WNW	2	b	75	55	7	-	-	-	0	0	-
4	Ross-on-Wye ...	1031.8	-6	W	2	b	74	55	7	-	-	-	0	0	-
5	Hartland Point	1033.8	0	W	1	b	65	86	7	-	-	-	0	0	-
	Bristol ...	1033.3	-4	W	3	b	71	65	8	1	-	-	Tr	Tr	2500
	Portland Bill ...														
	Plymouth ...	1033.5	-6	S'W	4	z_0	66	76	7	1	-	-	Tr	Tr	3500
	The Lizard ...	1034.2	-2	W	3	e	67	75	7	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	1034.5	-6	NW'W	1	bc	71	75	7	4	-	-	2-3	2-3	2200
	Guernsey ...														
6	Pembroke ...	1033.8	-2	W'N	2	b	64	86	7	1	-	-	Tr	Tr	3500
7	Holyhead ...	1033.4	-2	NW'W	3	bc	61	85	8	1	-	-	Tr	Tr	3500
	Chester (Sealand)	1033.3	-2	NW'N	5	b	64	75	8	-	-	-	0	0	-
8	Manchester ...	1032.2	-6	W	4	b	68	65	8	-	-	-	0	0	-
10	Spurn Head ...	1030.0	+2	W	3	b	76	65	6	-	-	-	0	0	-
	Catterick ...	1029.3	-10	WNW	3	b	75	55	8	1	-	1	Tr	1	4000
	Tynemouth ...	1028.8	+4	W	5	bc	68	66	8	1	-	-	2-3	2-3	3500
11	St. Abbs Head	1027.2	0	WNW	4	bc	62	65	8	1	3	-	1	4-6	2500
	Leuchars ...	1026.5	-2	W	6	c	67	65	8	7	7	6	2-3	7-8	2800
12	Renfrew (Abbots I.)	1030.1	-6	W'S	5	c	62	75	7	5	-	-	9+	9+	1800
	Eskdalemuir ...	1029.2	-8	NW'W	4	bc	62	76	8	7	4	1	4-6	4-6	2500
	Point of Ayre ...	1032.2	-2	NW	3	b	65	79	8	1	-	-	Tr	Tr	4000
13A	Tiree ...	1027.5	-4	SW'W	5	o	59	86	7	5	-	-	10	10	1500
13B	Stornoway ...	1022.7	-6	SW	6	d_0d_0	58	92	7	6	2	-	9	10	800
15	Dalwhinnie ...	1026.3	+4	SW	2	o	60	75	8	4	1	-	4-6	10	1500
	Aberdeen ...	1023.6	-10	WNW	2	bc	74	65	8	4	-	3	2-3	4-6	4000
	Wick ...	1021.7	-4	W	4	c	63	75	8	5	7	8	7-8	9+	1500
16	Lerwick...	1017.6	0	WSW	7	dr	55	97	5	6	2	-	7-8	10	220
17	Blacksod Point...	1033.1	0	SW	4	c	61	85	9	4	-	-	9+	9+	1500
18	Malin Head ...	1030.2	-6	W	4	bc	62	86	8	2	-	-	2-3	2-3	5700
	Aldergrove ...	1031.2	-10	SW	3	b	69	65	8	1	-	1	Tr	Tr	2600
19	Birr Castle ...	1033.6	-12	WSW	2	b	70	65	8	-	-	-	0	0	-
20	Valentia Obsy. †	1036.0	+6	W'N	3	b	61	75	9	5	-	-	1	1	2500
	Roches Point ...	1034.2	-6	S	2	b	63	86	8	1	-	-	Tr	Tr	4000

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1029.6	+10	NW'N	2	b	78	45	8	-	-	1	0	1	-	0	*
Croydon	1029.2	-22	NW	1	b	77	45	7	-	-	-	0	0	-	0	*
S. Farnborough	*	*	NW	1	b	*	*	8	-	-	*	0	0	-	*	*
Boscombe Down	1030.5	0	NW	2	z_0	74	45	6	-	-	-	0	0	-	0	*
Calshot (Soton.)	1029.7	-14	WSW	4	z_0	68	75	6	-	-	-	0	0	-	0	3
Lympne	1029.8	-6	SW'S	2	b	67	85	7	-	-	-	0	0	-	0	3
Manston	1029.5	-12	SSW	2	z_0	71	65	6	-	-	-	0	0	-	0	*
Shoeburyness	1029.3	-10	—	0	b	77	55	7	-	-	-	0	0	-	0	*
Felixstowe	1028.9	-10	SSW	3	z_0	69	75	6	-	-	-	0	0	-	0	1
Gorleston	1028.4	-14	S	2	b	65	75	6	-	-	-	0	0	-	0	2
Mildenhall	1028.5	-12	WNW	2	b	78	66	8	7	-	-	Tr	Tr	3500	0	*
Cranwell	1029.0	-6	WNW	3	b	75	35	7	-	-	-	0	0	-	0	*
Birmingham	1029.6	-12	WNW	2	b	78	45	8	7	-	-	2-3	2-3	-	0	*
Upper Heyford	1030.0	-6	WNW	2	bc	77	55	7	-	-	8	0	1	-	0	*
Ross-on-Wye	1030.0	-6	W	2	bc	75	65	8	5	-	-	2-3	2-3	4000	0	*
Hartland Point	1032.0	-10	NW	2	b	67	85	8	-	-	-	0	0	-	0	1
Bristol	1031.2	-6	W	3	b	69	76	7	-	-	-	0	0	-	0	*
Portland Bill	1031.5	-12	SSW	1	b	63	88	8	-	-	-	0	0	-	0	2
Plymouth	1032.1	-8	S'W	3	z_0	64	85	7	-	-	-	0	0	-	0	2
The Lizard	1032.5	-8	NW	3	bc	67	65	7	4	-	-	2-3	2-3	4000	0	1
Scilly (St. Mary's)	1033.5	-6	NNW	2	b	66	85	8	-	-	-	0	0	-	0	0
Guernsey																
Pembroke	1032.0	-10	W'N	3	b	61	92	8	-	-	-	0	0	-	0	1
Holyhead	1031.0	-6	SW'S	3	b	60	86	8	-	-	-	0	0	-	0	2
Chester (Sealand)	1031.1	-10	NW	3	b	64	75	8	-	-	-	0	0	-	0	*
Manchester	1030.7	-8	W'N	2	b	64	75	8	-	-	-	0	0	-	0	*
Spurn Head	1027.9	0	W	4	b	68	66	6	-	-	6	0	1	-	0	2
Catterick	1028.1	-9	SW'S	2	b	66	75	8	-	-	-	0	0	-	0	
Tynemouth	1027.1	-6	W	3	bc	67	75	7	2	3	-	4-6	4-6	3600	0	1
St. Abbs Head	1025.4	-2	WNW	4	c	61	65	8	7	4	9	4-6	7-8	3000	0	3
Leuchars	1024.4	-14	W	6	c	63	65	8	8	7	6	2-3	7-8	4000	0	*
Renfrew (Abbots I.)	1027.9	-16	W	4	c	60	85	8	5	7	6	7-8	9	1800	0	*
Eskdalemuir	1027.1	-14	SSW	4	bc	61	85	8	7	1	-	4-6	7-8	2500	1	*
Point of Ayre	1029.3	-8	W'S	4	b	66	75	8	-	-	-	0	0	-	0	2
Tiree	1024.7	-10	SW'W	6	DD	57	97	5	-	2	-	10	10	460	1	4
Stornoway	1021.0	-10	WSW	5	rr	58	97	7	5	2	-	9	10	1500	2	*
Dalwhinnie	1024.2	-12	SW	4	c	57	85	7	5	1	-	4-6	9+	1500	0	*
Aberdeen	1022.0	-6	W	3	bc	65	65	7	4	7	3	Tr	4-6	4000	0	1
Wick	1019.4	-10	W	4	c/pr	60	88	8	5	7	8	7-8	9+	2500	1	2
Lerwick	1014.3	-10	WSW	7	c/d	55	97	6	5	2	-	4-6	10	450	1	*
Blacksod Point	1031.4	-6	SW	5	c	60	85	8	-	5	-	10	10	<150	0	3
Malin Head	1028.2	-16	W'N	5	c	59	85	7	8	-	-	9	9	4000	0	4
Aldergrove	1028.8	-6	WSW	3	b	70	75	8	1	-	4	Tr	2-3	2500	0	*
Birr Castle	1031.7	-6	WSW	2	b	67	65	8	-	-	-	0	0	-	0	*
Valentia Obsy. †	1033.9	-10	NW'N	3	bc	61	75	8	7	-	-	2-3	2-3	2500	0	1
Roches Point	1032.2	-12	SSW	3	b	64	88	8	-	-	-	0	0	-	0	2

PAST 24 HOURS.

Stations	Weather 7h.—13h. 17th (37)	Weather 13h.—18h. 17th (38)	Weather 18h. 17th to 1h. 18th (39)	Weather 1h.—7h. 18th (40)
London (Kew)	bcz_0bcy	bcyby	bybW	$bbcm_0W$
Croydon	cm_0by	by	$bybz_0b$	bW
S. Farnborough	*	*	*	*
Boscombe Down	$fbcm_0b$	bm_0y	bm_0	bm_0jf
Calshot (Soton.)	bm_0bcm_0	bz_0	bm_0W	bm_0W
Lympne	$cbcm_0y$	bm_0byb	*	bm_0Wb
Manston	cm_0bcm_0	bm_0	bz_0bm_0	bm_0W
Shoeburyness	bm_0bz_0	bz_0by	bybW	$bWbm_0$
Felixstowe	cm_0z_0by	$bybz_0$	bz_0m_0W	bm_0
Gorleston	cb	bz_0z_0	bz_0b	bbc
Mildenhall	cm_0bz_0by	by	b	bm_0Wbcm_0
Cranwell	bm_0	bz_0yby	bybcb	$bbcm_0c$
Birmingham	bcbz	b	b	bbc
Upper Heyford	cm_0bcb	b	bbz_0b	bm_0bbm_0
Ross-on-Wye	bb	by	b	bm_0Wf
Hartland Point	cbc	b	bbcb	bbcc
Bristol	bz_0bc	b		$bcbWm_0$
Portland Bill		bb	b	bcbc
Plymouth	bz_0	b	$bz_0m_0cm_0$	$bbccm_0c$
The Lizard	c	cbc	bbcW	bc
Scilly (St. Mary's)	bbc	b	bW	bccW
Guernsey				
Pembroke	ifbcb	b	bW	bbc
Holyhead	b	b	bWbc	Wbcc
Chester (Sealand)	cm_0bcb	b	bm_0Wb	bWbcc
Manchester	cbcb	b	bmfF	$FFcmm_0c$
Spurn Head	b	bbc	bcb	bcc
Catterick	bby	byb	bbcc	c
Tynemouth	bc	bc	bcc	c
St. Abbs Head	umbc	bc	c	bcc
Leuchars	bccy	c	cbc	bcWbcc
Renfrew (Abbots I.)	cid_0r_0c	c	ccr_0m_0	c
Eskdalemuir	cbc	bcybc	om_0	cor_0r_0
Point of Ayre	cbcb	b	bcc	c
Tiree	co	oid_0	orrd	c
Stornoway	$cpr_0d_0d_0$	crr	cr_0r_0	cirV
Dalwhinnie	cbco	c	•	cir_0o
Aberdeen	bbcy	bcy	ir_0bc	bcc
Wick	c	cpr_0c	cpr_0c	cpr_0
Lerwick	cdrdr	oifdrdr	cid_0pr	cpr
Blacksod Point	c	c	dd	rr
Malin Head	c	c	cid_0cd_0dc	cd_0dc
Aldergrove	bcb	b	b,cir_0c	cid_0m_0c
Birr Castle	cb	b	c	c
Valentia Obsy. †	bccb	bbc	bcbbcbWc	c
Roches Point	bc	bc	bbcW	bcWbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_0, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s_0/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_0, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
⊕ Solar halo. ⓘ lunar halo. Aurora.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29 —STATE OF GROUND.

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

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

Abridged observations of additional stations in the

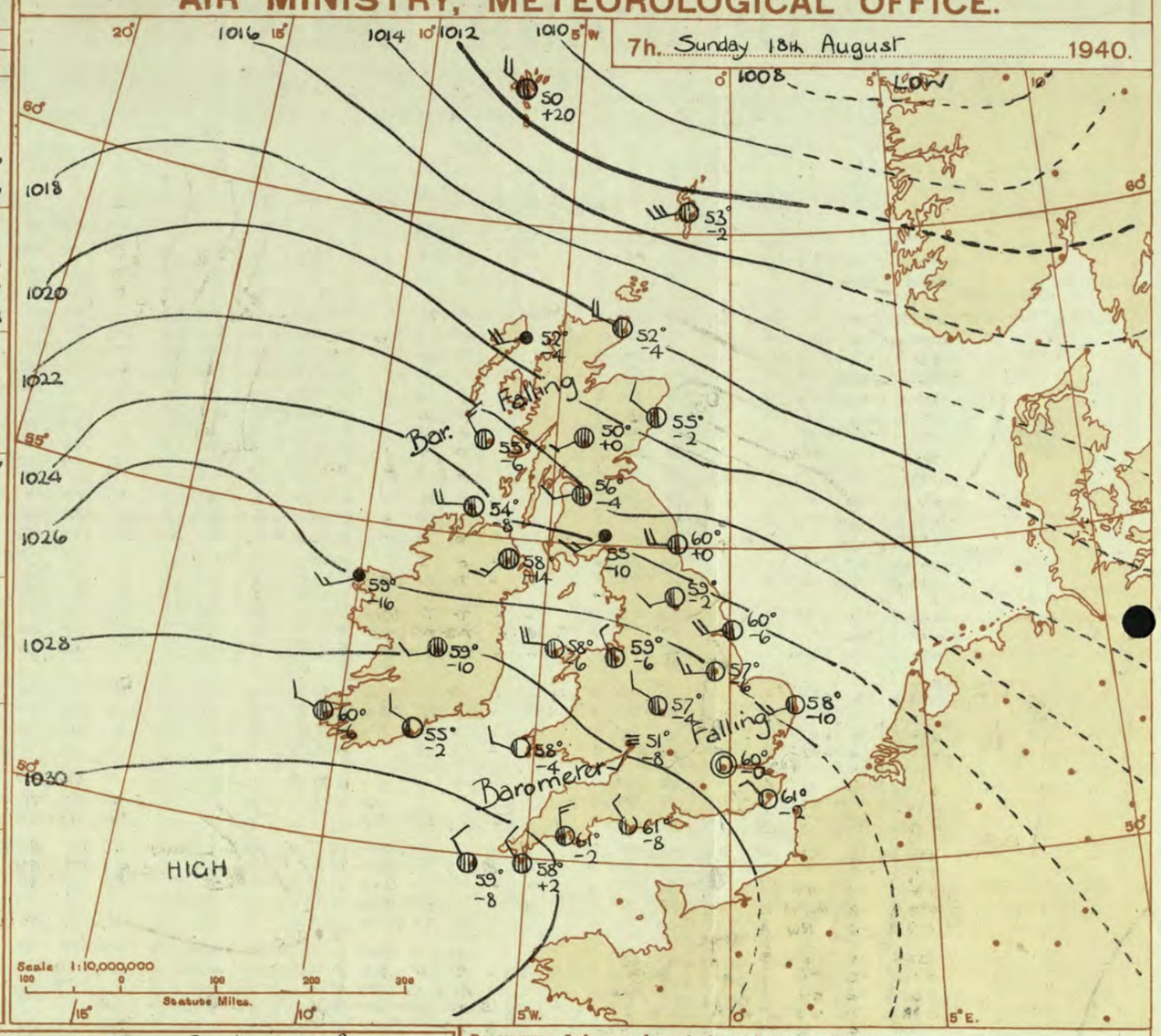
AVIATION WEATHER CODE

	13h. G.M.T. 17th August			18h. G.M.T.			01h. G.M.T. 18th August			07h. G.M.T.		
III	$C_L C_M$	$ww V h N_h$	DDFWN	$C_L C_M$	$ww V h N_h$	DDFWN	$C_L C_M$	$ww V h N_h$	DDFWN	$C_L C_M$	$ww V h N_h$	DDFWN
109	5-	03648	54788				5-	02746	22526	52	25644	23485
115	--	67109	53669	--	67109	53669	55	14745	55667	52	82735	55687
203												
206	57	02948	24527	57	81945	20587	5-	01854	24424	57	02955	22427
210	52	02965	22527	57	02964	54527	51	25835	24588	57	02857	24227
220												
230	57	61756	53568	6-	51648	20458	52	58526	55558			
245	80	01962	57614	77	14961	57725	50	00862	55622	57	02953	56528
260				53	02864	24515	5-	22647	22467	51	02844	22417
277	10	00862	19312	00	01890	18204	57	21656	22457	62	52626	20858
279												
285	15	01843	24714	70	01843	24513						
288				00	00890	23401	07	02730	19307	57	02844	21327
273	10	01851	27401									
301	70	01765	26325	00	00890	26300	07	05630	26416	57	02757	24358
321	00	05690					00	05630	00000	87	05663	21227
299	00	00790	08200	00	00790	24203	00	00790	24203			
292	00	00790	22413	00	00890	21401	50	01764	20304	57	02753	23327
310		01643	24413									
316	00	00790	26300	00	00890	26202	00	00630	24100	07	02530	20220
333	10	00861	28301	04	00890	21301	5-	02757	00017	53	02842	00027
334		01861	26401		00890	20300						
340	10	00751	26111	10	00861	32201				03	01790	20114
136	00	00790	24200	00	05690	21300	00	05690	22200	03	05630	21214
336		01861	24401		00890	28400						
350	00	00790	28200	00	00790	24200	00	05630	20100			
368	10	05690	24310	00	00790	23300				53	05634	23224
379	00	00790	30300	00	00890	26200	00	05630	24200	03	01790	24205
390	00	05690	26310	00	05690	26200				03	05550	25213
382	00	00890	28200	00	00890	22000	00	05630	00000	--	48309	23140
438	5-	01651	24411							00	49500	30100
430	10	05661	26301				00	47390	00040	00	05550	00001
409	50	01754	28324	00	05790	31300				5-	05748	32228

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Sunday 18th August 1940.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Sunday 18th August
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light or moderate west to northwest wind; fair or fine at first, cloudy with slight local rain or drizzle later: rather warm to-day, cooler to-morrow.
5 S.W. England 6 South Wales ...	Light west to northwest wind; fair or fine, rather warm.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Moderate westerly wind; cloudy, rain or drizzle to-day, occasional showers to-morrow: average temperature.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Moderate or fresh west to northwest wind, backing west to southwest to-morrow; occasional showers to-day, rain or drizzle to-morrow, average temperature.
17 N. W. Ireland 18 N. E. Ireland	Moderate westerly wind, cloudy or overcast, occasional drizzle, average temperature.
19 S. E. Ireland 20 S. W. Ireland	Light west to northwest wind; fair or fine at first, local drizzle later; rather warm.

GENERAL INFERENCE.

An anticyclone to the southwest of the British Isles is receding slowly. A depression is moving east-southeast across Norway and an associated trough across the North Sea and Southern Scotland will move southeast over Eastern England. Another depression is approaching Iceland from southwest. Weather in Southern England and Wales will be fair or fine to-day and rather warm but it will be cooler to-morrow after some slight local rain or showers in the night. In Northern England and Scotland it will be cloudy with occasional rain or showers to-day, but there will be a renewal of rain or drizzle in Scotland to-morrow.

FURTHER OUTLOOK.

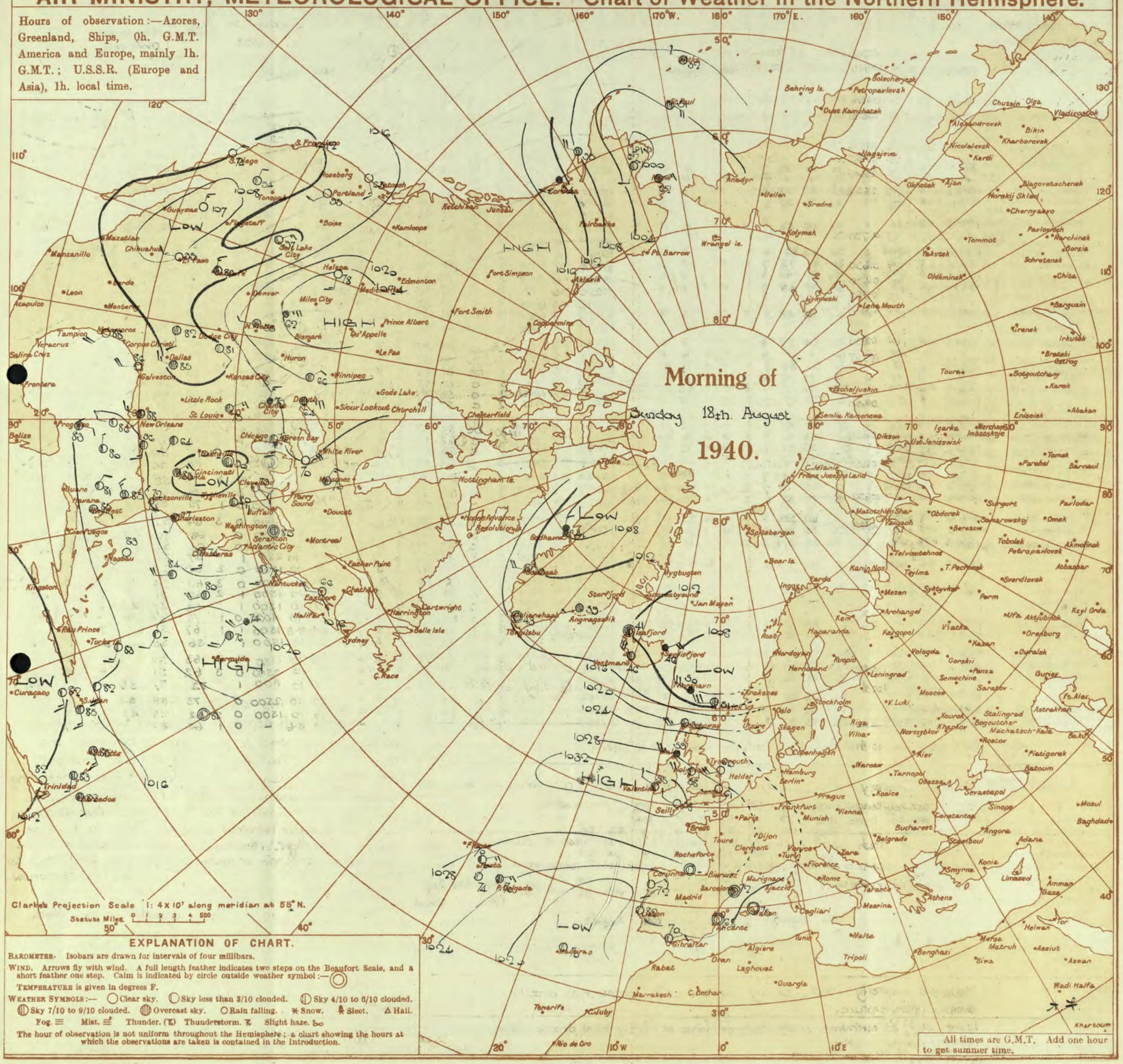
Mainly fair in the South, unsettled in the North.

Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 18th August, 1940.

No 28,759

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1028·9	−6	W	1	b	61	85	7	-	-	-	0	0	-
	S. Farnborough	226	*	*	-	0	b	*	*	7	-	-	-	0	0	-
	Boscombe Down	417	1030·1	−6	WNW	1	bj	57	92	5	-	-	-	0	0	-
	Calshot (Sthmtn.)	8	1029·6	−8	WS	2	zo	57	97	6	-	-	-	0	0	-
	Lympne ...	346														
	Manston ...	154	1028·5	−8	W	1	zo	60	85	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1027·9	−6	WNW	2	zo	63	85	6	-	-	-	0	0	-
	Gorleston ...	5	1027·4	−8	WS	2	b	61	75	7	-	-	-	0	0	-
	Mildenhall ...	19	1027·9	−10	WN	2	zo	56	85	6	-	-	-	0	0	-
	Cranwell ...	240	1027·6	−14	WS	2	b	57	65	7	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1029·5	−4	-	0	zo	59	85	6	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1030·8	−14	W	2	b	60	97	8	-	-	-	0	0	-
	Bristol ...	209	*	*	W	1	b	*	*	6	-	-	-	0	0	-
	Portland Bill ...	32	1030·0	−6	W	1	b	61	85	8	-	-	-	0	0	-
	Plymouth ...	82	1031·2	−6	N	3	zo	59	92	6	5	-	-	2-3	2-3	1500
	The Lizard ...	240	1031·5	−6	NNW	3	bc	56	97	7	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1032·3	−8	NW	2	b	58	97	7	-	-	-	0	0	-
	Guernsey ...	175														
6	Pembroke ...	142	1030·8	−6	WS	3	b	59	97	8	-	-	-	0	0	-
7	Holyhead ...	26	1029·5	−4	WNW	4	bc	58	85	8	1	3	6	Tr	4-6	3500
	Chester (Sealand)	16	1029·2	−14	SE	1	b	52	92	7	-	3	-	0	Tr	-
8	Manchester ...	70	1028·6	−14	WNW	1	bcF	46	97	1	-	5	-	0	2-3	-
10	Spurn Head ...	29	1026·3	−4	WS	4	b	60	75	7	-	-	-	0	0	-
	Catterick ...	175	1025·8	−14	SWW	3	c	60	85	7	5	3	-	4-6	9+	2000
	Tynemouth ...	108	1024·6	−14	W	5	zo	59	85	6	8	-	-	9+	9+	3500
11	St. Abbs Head	280	1021·9	−18	WNW	5	c	59	75	8	7	4	4	2-3	7-8	2000
	Leuchars ...	36	1021·6	−18	W	5	bc	58	85	8	2	4	-	2-3	4-6	3500
12	Renfrew (Abbotsl.)	19	1024·5	−14	WS	3	zo	58	97	6	5	-	-	10	10	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1027·2	−6	NNW	5	c	58	97	8	5	4	6	2-3	9+	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1021·2	0	WSW	5	c	54	75	7	5	7	-	7-8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1019·1	−2	W	3	c	53	85	7	5	7	-	7-8	10	1500
16	Lerwick ...	156	1014·1	−2	WS	6	c/pr	51	85	7	8	7	-	7-8	10	800
17	Blacksod Point	18	1029·2	−12	WSW	4	do do	59	97	7	6	-	-	10	10	<150
18	Malin Head ...	84	1026·3	−10	W	5	do do	59	97	5	6	-	-	9+	9+	800
	Aldergrove ...	268	1027·7	−12	WSW	3	c	58	85	7	5	-	-	10	10	1100
19	Birr Castle ...	173	1030·8	−6	WNW	1	c	56	85	8	5	-	-	9	9	2500
20	Valentia Obsy.	30	1032·9	−6	NWN	2	c	55	92	8	5	-	-	9+	9+	1500
	Roches Point	22	1031·5	−10	NWN	3	bc	55	97	8	-	-	5	0	2-3	-

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1027·7	−4	SWW	1	zo	60	85	6	-	-	-	0	2-3	-	0	*
Croydon ...	1027·5	0	-	0	b	60	92	6	-	-	2	0	1	-	0	*
S. Farnborough	*	*	W	1	zo	*	*	6	-	-	*	0	1	-		*
Boscombe Down	1028·1	−10	WNW	2	zo	55	97	6	-	-	4	0	2-3	-	0	*
Calshot (Sthmtn.)	1028·4	−2	WSW	2	zo	57	97	6	5	3	1	Tr	1	1500	0	0
Lympne ...	1027·3	−2	NW	1	b	61	85	7	-	-	1	0	1	-	*	*
Manston ...	1027·1	−4	WNW	3	zo	63	85	5	-	-	1	0	1	-	0	*
Shoeburyness ...	1027·4	0	WNW	2	bc	63	85	5	-	-	1	0	2-3	-	0	*
Felixstowe ...	1026·7	−6	WNW	3	zo	61	85	6	-	-	1	0	1	-	0	1
Gorleston ...	1025·4	−10	WSW	3	bc	58	75	6	-	6	-	0	2-3	-	0	1
Mildenhall ...	1026·2	−10	SWW	3	zo	59	85	6	-	5	4	0	4-6	-	1	*
Cranwell ...	1026·0	−6	W	3	c	57	85	7	5	7	6	4-6	9+	4500	0	*
Birmingham ...	1027·6	−4	WNW	2	c	57	75	7	-	7	6	0	7-8	-	0	*
Upper Heyford	1027·8	−8	WSW	2	zo	54	97	6	-	-	6	0	7-8	-	0	*
Ross-on-Wye	1027·2	−8	SSW	1	bcf+	51	97	2	-	-	2	0	4-6	-	0	*
Hartland Point	1029·1	−6	W	3	c	60	97	8	5	-	-	9+	9+	2500	0	1
Bristol ...	1028·4	−2	NWN	2	zo	58	97	5	5	-	1	4-6	7-8	800	0	*
Portland Bill ...	1029·3	−8	NW	1	bc	61	85	8	5	-	-	2-3	2-3	4000	0	2
Plymouth ...	1029·9	−2	N	3	c	61	85	7	5	-	-	9	9	800	0	1
The Lizard ...	1031·0	+2	NNW	2	o	58	97	7	5	-	-	10	10	1500	0	2
Scilly (St. Mary's)	1030·6	−8	NW	2	c	59	92	7	5	-	-	10	10	800	0	0
Pembroke ...	1029·1	−4	WN	2	bc	58	97	8	7	4	1	2-3	4-6	3500	0	1
Holyhead ...	1027·1	−6	W	4	c	58	85	8	5	4	-	7-8	9+	3000	0	3
Chester (Sealand)	1027·6	−6	NWW	1	c	59	85	8	7	3	2	7-8	7-8	2500	0	*
Manchester ...	1026·8	−8	SWW	2	o	58	92	7	5	-	-	10	10	1300	0	
Spurn Head ...	1024·4	+6	WS	4	c	60	85	7	-	4	9	0	7-8	-	0	3
Catterick ...	1024·0	−2	WSW	2	c	59	85	8	5	7	-	4-6	9+	5700	0	*
Tynemouth ...	1022·9	0	W	4	c	60	85	8	8	-	-	9	9	2800	0	1
St. Abbs Head	1020·7	+2	WNW	4	c	59	75	9	5	2	-	4-6	9	3000	0	3
Leuchars ...	1020·5	−6	W	4	c	58	75	8	5	1	-	7-8	10	3050	0	*
Renfrew (Abbotsl.)	1023·1	−4	WSW	2	c	56	85	8	5	7	3	7-8	9+	1500	0	*
Eskdalemuir ...	1022·7	−10	SWW	3	ido	55	97	6	-	2	-	10	10	220	1	
Point of Ayre ...	1025·2	−8	W	4	c	58	97	8	5	1	-	9	10	1500	0	2
Tiree	1022·4	−6	NW	3	c	55	85	8	5	-	-	9+	9+	1400	0	3
Stornoway ...	1020·3	−4	WSW	4	ir	52	92	6	8	2	-	7-8	10	1500	1	2
Dalwhinnie ...	1022·0	0	SW	1	o	50	75	7	5	-	-	10	10	1500	1	*
Aberdeen ...	1019·9	−2	NWW	2	c	55	65	8	5	7	-	2-3	10	4000	0	1
Wick ...	1018·1	−4	WNW	4	c	52	85	8	5	7	8	4-6	7-8	1500	1	1
Lerwick ...	1012·7	−2	WS	6	c	53	85	7	8	7	-	7-8	10	1500	1	*
Blacksod Point	1025·7	−16	WSW	3	RR	59	97	6	6	-	-	10	10	<150	2	3
Malin Head ...	1023·9	−8	W	3	c	54	85	8	5	-	-	9	9	2500	0	3
Aldergrove ...	1025·0	−14	SWS	3	9/d	58	97	7	5	-	-	10	10	800	1	*
Birr Castle ...	1028·0	−10	WSW	2	c	59	85	8	5	-	-	10	10	2500	0	*
Valentia Obsy.	1031·0	−6	WN	2	c	60	92	8	5	-	-	10	10	1500	0	2
Roches Point	1029·7	−2	WNW	2	bc	55	92	8	-	-	5	0	4-6	-	0	1

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 17th Hrs. (36)
London (Kew)	79	57	44	-	-	10·5
Croydon ...	79	55	46	-	-	9·6
S. Farnborough	*			*		
Boscombe Down	79	52	47	-	Tr	11·8
Calshot (Sthmtn.)	74	54	48	-	-	12·1
Lympne ...	*	*	*	-	*	*
Manston ...	76	56	50	-	-	6·8
Shoeburyness ...	80	58	47	-	-	9·9
Felixstowe ...	78	58	52	-	-	8·5
Gorleston ...	70	55	50	-	-	10·0
Mildenhall ...	81	53	44	-	-	11·3
Cranwell ...	81	54	52	-	-	12·6
Birmingham ...	80	55	42	-	-	11·5
Upper Heyford	80	51	39	-	-	*
Ross-on-Wye	78	48	43	-	-	12·4
Hartland Point	69	59	53	-	-	11·2
Bristol ...	75	54	43	-	-	12·0
Portland Bill ...	65	59	*	-	-	*
Plymouth ...	68	58	53	-	-	11·7
The Lizard ...	69	54	*	-	-	9·4
Scilly (St. Mary's)	71	51		-	Tr	12·1
Pembroke ...	65	57	*	-	-	11·4
Holyhead ...	65	57	54	-	-	12·6
Chester (Sealand)	67	50	46	-	-	11·1
Manchester ...	69	44	41	-	-	9·2
Spurn Head ...	76	58	*	-	-	12·2
Catterick ...	75	57	52	-	-	12·7
Tynemouth ...	70	58	52	-		*
St. Abbs Head	64	57	*	-	-	*
Leuchars ...	68	56	50	-	-	9·0
Renfrew (Abbotsl.)	64	55	53	Tr	0·4	1·0
Eskdalemuir ...	67	54	53	-	0·3	8·9
Point of Ayre ...	69	57	*	-	0·3	7·7
Tiree	60	54	*	Tr	2	0·0
Stornoway ...	60	51	*	3	1	0·0
Dalwhinnie ...	62	47	42	-	1	1·3
Aberdeen ...	75	54	50	-	Tr	10·1
Wick ...	67	51	*	Tr	0·1	*
Lerwick ...	56	50	*	0.5	Tr	0·0
Blacksod Point	63	57	*	-	8	*
Malin Head ...	62	51	*	-	4	6·6
Aldergrove ...	72	57	56	-	0·1	12·4
Birr Castle ...	73	55	52	-	-	8·7
Valentia Obsy.	62	53	47	-	Tr	11·1
Roches Point	65	54	*	-	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew...	18	ocz.bcy	bcy by	bw,bcm.	79	57	44	-	-	10.5	*	*	7
Croydon	217	cm.by	bybz.	bw	79	55	46	-	-	9.6	*	*	7
Greenwich (Royal Observatory)...	149	cb	by	bbcy	81	57	47	-	-	*	43	59	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	81	53	52	-	-	*	54	74	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*							*		*
Camden Square	110	bc	b	*	82	59	52	-	-	*	*	59	*
Kensington	80	b	b	*	81	58	52	-	-	*	44	65	*
Hampstead Observatory	450										*		*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 18th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.
0·1	7-8h 17th	<0·1	Rest of Period

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 17th August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 18th August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris														
Brussels														
Berlin														
Zürich														
Rome														

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptious.
4 Rough.	9 Confused.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 19th August, 1940.

No. 23,760.

SECRET

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1023.3	-26	WSW	2	bc	74	35	8	-	-	2	0	4-6	-
	Croydon ...	1023.9	-22	NW'W	2	bc	*	*	7	-	-	2	0	4-6	-
	S. Farnborough	*	*	WSW	3	bc	*	*	8	-	3	*	0	4-6	-
	Boscombe Down	1024.6	-20	W'N	4	bc	76	55	8	-	3	4	0	4-6	-
	Calshot (Soton.)	1024.7	-24	SW'S	4	bc	74	65	8	-	3	4	0	2-3	-
	Lympne ...														
	Manston ...	1023.2	-24	WSW	3	bc	81	45	7	-	-	1	0	4-6	-
2	Shoeburyness ...	1023.5	-26	WSW	3	b	79	49	6	-	-	2	0	2-3	-
	Felixstowe ...	1022.8	-26	S	1	c	76	45	8	5	5	-	2-3	7-8	6000
	Gorleston ...	1022.4	-24	WSW	3	bc	73	45	7	-	7	-	0	4-6	-
	Mildenhall ...	1022.8	-22	WSW	3	c	73	55	7	5	7	-	4-6	9+	5700
	Cranwell ...	1023.6	-10	W'N	3	rr	64	85	6	5	2	-	7-8	10	1000
3	Birmingham	1022.9	-24	W	4	c	72	45	8	-	7	-	0	9	-
	Upper Heyford	1023.9	-22	W	3	bc	78	45	7	-	8	6	0	7-8	-
4	Ross-on-Wye ...	1023.9	-14	W	4	c	74	45	8	-	7	9	0	9+	-
5	Hartland Point	1027.5	-8	W	3	c	62	85	8	5	-	-	9+	9+	1800
	Bristol	1025.8	-14	W	4	bc	69	75	8	1	7	-	2-3	7-8	2600
	Portland Bill ...	1026.1	-14	WSW	3	c	63	85	8	1	4	1	4-6	7-8	4000
	Plymouth ...	1027.1	-16	SW'S	4	z_o	66	78	8	-	-	1	0	2-3	-
	The Lizard ...	1028.7	-12	W'N	4	c	63	75	8	3	2	-	7-8	9+	1500
	Scilly (St. Mary's)	1029.2	-10	WNW	3	c	65	76	8	5	1	-	7-8	10	1500
	Guernsey ...														
6	Pembroke ...	1026.6	-8	W	5	c	61	85	8	4	7	9	1	7-8	2500
7	Holyhead ...	1023.4	-18	SW	4	$r_o r_o$	59	97	6	6	-	-	10	10	500
	Chester (Sealand)	1023.8	-16	NW	2	rr	61	92	4	5	-	-	10	10	500
8	Manchester ...	1023.1	-16	W'N	3	rr	60	97	5	6	2	-	9+	10	700
10	Spurn Head ...	1022.1	-16	W'S	4	RR	61	92	6	5	-	-	10	10	2500
	Catterick ...	1021.0	-12	WSW	2	rr	60	92	7	5	7	-	7-8	10	2500
	Tynemouth ...	1020.9	-8	W	4	c/pr	61	85	6	2	-	-	9	9	2500
11	St. Abbs Head	1019.4	-10	WNW	3	c	57	75	8	5	7	-	4-6	9	3000
	Leuchars ...	1019.0	-10	W	4	c	60	65	8	5	7	-	2-3	10	3600
12	Renfrew (Abbots I.)	1020.8	-14	W'N	4	c	60	75	9	5	7	6	4-6	9+	2100
	Eskdalemuir ...	1020.4	-14	W'N	3	rr	55	92	7	6	1	-	9	10	1500
	Point of Ayre ...	1021.3	-22	WSW	4	rr	59	97	6	6	2	-	4-6	10	800
13A	Tiree	1021.2	-2	NW'W	2	c	57	85	8	5	-	-	9+	9+	1800
13B	Stornoway ...	1018.8	-10	W	5	ir_o	55	92	7	5	7	-	4-6	10	2600
15	Dalwhinnie ...	1019.8	-8	SW	1	o	56	65	8	2	5	-	4-6	10	2600
	Aberdeen ...	1018.2	-6	WNW	2	c	59	65	8	7	7	-	9	9+	4000
	Wick	1016.5	-8	NNW	5	c/pr	55	75	8	5	7	-	7-8	9	1500
16	Lerwick... ...	1012.1	+2	W	7	c/pr	52	85	8	8	7	-	7-8	9	800
17	Blacksod Point...	1024.8	0	W	3	c	61	97	7	5	-	-	10	10	450
18	Malin Head ...	1022.8	-2	NW	2	c	58	85	8	6	7	-	2-3	9	2500
	Aldergrove ...	1022.3	-10	NNW	2	c	58	92	8	6	7	-	7-8	9+	500
19	Birr Castle ...	1025.1	-12	SW	3	c/r	63	92	7	6	1	-	7-8	10	1500
20	Valentia Obsy. †	1028.8	-14	W'S	4	z_o	62	97	6	5	-	-	10	10	450
	Roches Point ...	1026.9	-16	S	2	e	63	85	9	5	-	5	4-6	7-8	1600

OBSERVATIONS at 18h. G.M.T. 18th August, — PAST 24 HOURS.

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	Weather 7h.—18h. 18th (37)	Weather 13h.—18h. 18th (38)	Weather 18h. 18th to 1h. 19th (39)	Weather 1h.—7h. 19th (40)
London (Kew)...	1020.4	-12	WSW	3	c/pr	73	45	8	5	-	-	9	9	2500	0	*	$bcm_o cbcy$	$bcbr_o cy$	cyc	c
Croydon ...	1020.6	0	W'N	3	c	67	97	7	-	7	-	0	10	-	*	*	b,cbc	bcc	$cir_o c$	
S. Farnborough	*	*	WSW	3	c	*	*	8	5	5	*	2-3	7-8	5700	*	*	$bm_o c$ ⊕bc	bcc	$cyr_o c$	$cpr_o c$
Boscombe Down	1021.9	-18	W'N	4	c	76	55	9	-	4	-	0	7-8	-	0	*	bcy	bccy	c	$cm_o cir_o c$
Calshot (Soton.)	1022.1	-14	WSW	3	c	70	75	7	-	7	1	0	7-8	-	0	2	cbc	bcc	$ccm_o c$	$ccm_o c$
Lympne ...	1020.9	-22	SW'W	3	c	68	75	8	-	7	-	0	9	-	0	§3		bybcc	c	r
Manston ...	1019.2	-24	SW	4	bc	73	65	7	-	2	-	0	10	-	0	*	$bz_o bcz_o y$	bcy	$cir_o c$	$cm_o bcc$
Shoeburyness ...	1019.4	-22	WNW	2	c	76	55	7	-	9	-	0	10	-	0	*	$bm_o bcz_o$	$bcz_o cy$	$cir_o c$	c
Felixstowe ...	1018.8	-20	NW	4	ir_o	77	45	7	5	7	-	Tr	10	6000	0	1	$bm_o z_o bc$	cy	$cyir_o irc$	$cbcm_o$
Gorleston ...	1019.3	-18	NNE	3	$r_o r_o$	62	92	6	6	-	-	10	10	800	1	1	bcy	$bcycor_o$	$or_o c$	c
Mildenhall ...	1019.7	-10	NW	4	ir_o	66	75	6	-	2	-	10	10	1500	1	*	$bcm_o cm_o cy$	$cycir_o z_o$	$cr_o r_o bcm_o c$	ccm_o
Cranwell ...	1020.0	-12	W	3	c/r	62	92	6	5	-	-	9+	9+	900	1	*	c,pr_o,rr	$cr_o r_o cm_o$	cm_o	cm_o
Birmingham	1021.1	-12	W	3	c		85	8	6	7	-	9	9+	800	1	*	bcc		cid_o	c
Upper Heyford	1021.3	-8	NW	3	c/r	68	65	8	5	7	-	7-8	9+	3000	1	*	$bcm_o cbc$	cci,r	$ccid_o c$	$cr_o bcc$
Ross-on-Wye ...	1022.2	-10	W'S	2	o	68	75	8	7	-	-	10	10	2500	0	*	fbcc	$cr_o c$	cc	ccc
Hartland Point	1024.1	-20	WSW	4	c	62	97	8	5	6	6	4-6	7-8	1500	0	2	c	cbcc	cdc	cr_o
Bristol	1022.9	-16	W'S	4	c	64	86	8	7	7	1	2-3	7-8	2000	0	*	bc	bcc	$ccir_o c$	cbcc
Portland Bill ...	1023.4	-20	W	3	c	65	88	8	2	4	-	4-6	7-8	4000	0	2	bcc	cc	cc	cc
Plymouth ...	1024.5	-14	NW'W	4	c	68	65	8	-	3	1	0	7-8	-	0	2	cbccb	bcbb	ccd_o	$cid_o m_o c$
The Lizard ...	1026.1	-10	W	3	bc	61	85	8	8	6	-	4-6	4-6	3000	0	2	cc	bc	bcid f	cc
Scilly (St. Mary's)	1026.4	-20	WNW	3	c	62	85	8	5	-	-	9+	9+	1400	0	1	c	c	coffe	offec
Guernsey ...																				
Pembroke ...	1023.3	-12	W'S	5	c	61	92	8	8	-	-	4-6	7-8	2500	0	2	bcc	c	c	dc
Holyhead ...	1021.1	-6	WNW	3	c	62	85	7	8	-	-	9+	9+	2500	1	2	$rrm_o Rc$	$rrr_o m_o c$	c	c
Chester (Sealand)	1020.9	-18	W'N	3	c/r	63	88	6	6	2	-	4-6	10	800	1	*	$cd_o r_o$	$orrr_o m_o c$	$cm_o c,$	$cbcpr_o c$
Manchester ...	1020.0	-16	W	3	z_o	61	97	6	5	3	-	4-6	9	1400	1	*	$mddr_o r_o rr$	$rrr_o r_o$	$cm_o pr_o bcm_o$	$bcm_o cm_o$
Spurn Head ...	1018.9	-14	W	4	RR	60	97	6	5	-	-	10	10	2000	1	3	cRr	Rr	c	c
Catterick ...	1018.3	-12	W'S	1	c	62	92	8	5	7	-	7-8	9+	2500	1	*		crrc	cbc	bccz
Tynemouth ...	1018.9	-12	W	2	c	59	85	6	8	-	-	9+	9+	2500	1	1	cpr	cpirc	c	cp_o
St. Abbs Head	1017.6	-4	WNW	3	bc	58	75	8	2	7	1	4-6	4-6	3000	0	3	c	cbc	$pr_o c$	$m_o rrc$
Leuchars ...	1017.3	-2	WSW	4	c	61	65	8	7	7	8	4-6	9+	3500	0	*	cyc	cyc	c	$ccid_o c$
Renfrew (Abbots I.)	1019.7	-4	W'N	3	c	57	75	8	5	7	-	7-8	9+	2500	0	*	c	c	ccbcc	$cm_o c$
Eskdalemuir ...	1018.7	-8	NW'N	4	c	55	75	8	5	7	-	7-8	10	1500	1	*	crr	crr	c	cbc
Point of Ayre ...	1020.7	-6	NNW	4	c	58	86	8	5	-	-	9	9	2500	1	3	rr	c	cbcc	
Tiree	1020.1	0	NW'W	3	c	56	86	8	5	-	-	9+	9+	2100	0	3	cid_o	c	c	c
Stornoway ...	1018.8	0	NW	3	c/pr	53	92	8	8	7	-	4-6	10	1900	1	2	cir	$cir_o pr$	cpr	cpr
Dalwhinnie ...	1019.2	-8	W	2	o	54	75	8	5	-	-	10	10	2500	0	*	cbco	c		cir_o
Aberdeen ...	1017.0	-4	NW'N	2	c/r	58	75	8	8	9	-	7-8	9+	2500	0	1	c	$ccir_o$	$cir_o c$	c
Wick	1016.0	+2	WNW	5	cq	55	75	8	9	7	8	4-6	9+	800	1	2	$cpr_o q$	cq	$prr_o c$	$cpr_o c$
Lerwick... ...	1013.3	+8	NW	5	c	51	75	8	8	7	-	7-8	10	1500	1	*	cpr	cpr_o	cpr_o	cpr_o
Blacksod Point...	1024.2	-2	W	3	c	60	92	8	5	-	-	7-8	7-8	800	1	3	c	c	c	cc
Malin Head ...	1022.0	-6	WNW	3	c	58	85	8	2	6	-	4-6	7-8	5700	0	2	$crrcid_o cc$	c	c	c
Aldergrove ...	1021.7	-4	NW'W	3	bc	60	75	8	8	3	9	2-3	4-6	2000	1	*	$rrr_o r_o c$	cbc	bccbcc	bc
Birr Castle ...	1023.5	-6	W'N	2	c	63	86	8	5	2	-	7-8	10	1500	0		cir	$cir_o c$	c	c
Valentia Obsy. †	1026.7	-16	NW'W	4	z_o	61	97	5	5	-	-	10	10	4150	0	*2	$cid_o m_o$	$m_o iddd m_o$	$m_o ididf m_o$	$m_o id_o cir_o c$
Roches Point ...	1024.5	-10	W'N	4	c	66	85	8	8	-	5	4-6	7-8	1500	0	2	bcc	c	c	$id_o bc$

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29 —STATE OF GROUND.

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

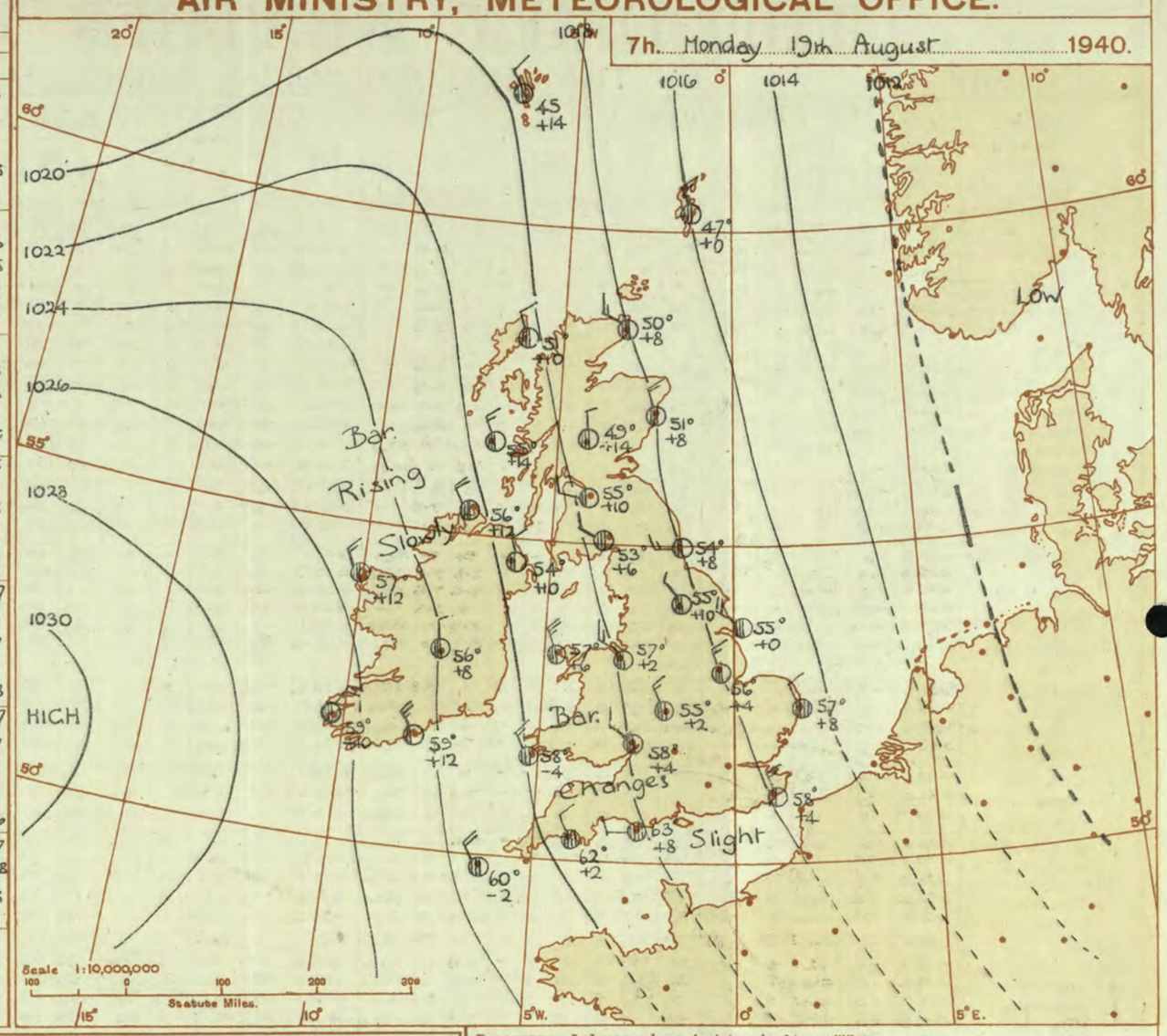
Note.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 18th August			18h. G.M.T.			01h. G.M.T. 19th August			07h. G.M.T.		
III	$C_L C_M$	ww $V_h N_h$	DDFWN	$C_L C_M$	ww $V_h N_h$	DDFWN	$C_L C_M$	ww $V_h N_h$	DDFWN	$C_L C_M$	ww $V_h N_h$	DDFWN
109	71	01740	59587	87	02744	27486	5-	02767	26117	52	02844	29216
115	52	82848	65687	52	02843	24587	52	12745	28327	85	81854	32385
203												
206	57	02956	24228	57	25955	26286	57	02956	28228	5-	25955	24285
210	87	10958	20427	57	25958	25487	57	02854	28227	5-	01848	28418
220	51	02843	24328							92	02845	28227
230	57	51856	24268	87	02856	26487	57	25856	26288	87	10845	26326
245	57	02954	22227	77	02955	30327	5-	21868	00058	80	01944	32265
260	57	02753	22328	57	02964	24316	53	02766	26228	5-	02765	24215
277	6-	22738	29368	57	02864	26467	57	02755	26526	84	01753	29414
279												
285										5-	03738	28428
288	52	62845	20368	87	62855	18167	57	01864	24225	57	05564	28228
273										13	05653	30105
301	62	62527	24468	5-	05638	29468	83	02764	30316	87	81656	30487
321	62	64546	22268	62	61646	25268	53	05663	26317	03	05650	28325
299	5-	64648	24268	5-	62747	24267	5-	05645	26315			
292	52	61644	20268	74	02846	00066	53	02764	24225	57	02864	26225
310										--	03428	26348
316	57	62553	20168	67	22643	22268	57	02664	24327	53	02654	30227
333	62	63637	22468	67	52625	24458	83	01844	22124	8-	02847	20457
334										--	02757	28128
340	5-	61848	20268	5-	02847	20267	03	01850	32215	57	02844	28216
136	53	02774	22327	62	64527	24368	83	81665	22228	53	02763	28385
336										--	03854	28428
350										07	02750	26217
368	5-	02847	24427	53	02837	23527	5-	21748	24258	7-	21857	24227
379	53	02750	24315	53	02755	24326						
390	03	01750	25315	5-	05668	23418				54	02764	30415
382	07	02850	24228	57	02874	23327	57	05655	24226	57	02874	24126
438	50	00761	24504							5-	10757	02527
430	00	01750	22414				5-	05648	24328	5-	02758	32428
409							5-	48108	26358	5-	53628	30388

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 19th August
1 S.E. England 2 E. England ...	Light or moderate northwest wind; mainly fair, cloudy at times, slight local showers on East Coast; cooler than of late.
3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light or moderate northwest wind; fair but cloudy at times; cooler than of late.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Light or moderate northwest wind, backing west or southwest later; fair but cloudy at times, slight rain tomorrow; rather cool.
13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Light or moderate northwest wind, backing west or southwest freshening later; cloudy, slight showers, general rain later; rather cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 7-12

GENERAL INFERENCE.

The anticyclone has now shifted out into the Atlantic. A small wedge of high pressure will move southeast over the British Isles and a depression near Iceland will move east and later southeast.

Weather will be mainly fair today but rain will spread southwards tomorrow.

FURTHER OUTLOOK.

Unsettled especially in the North.

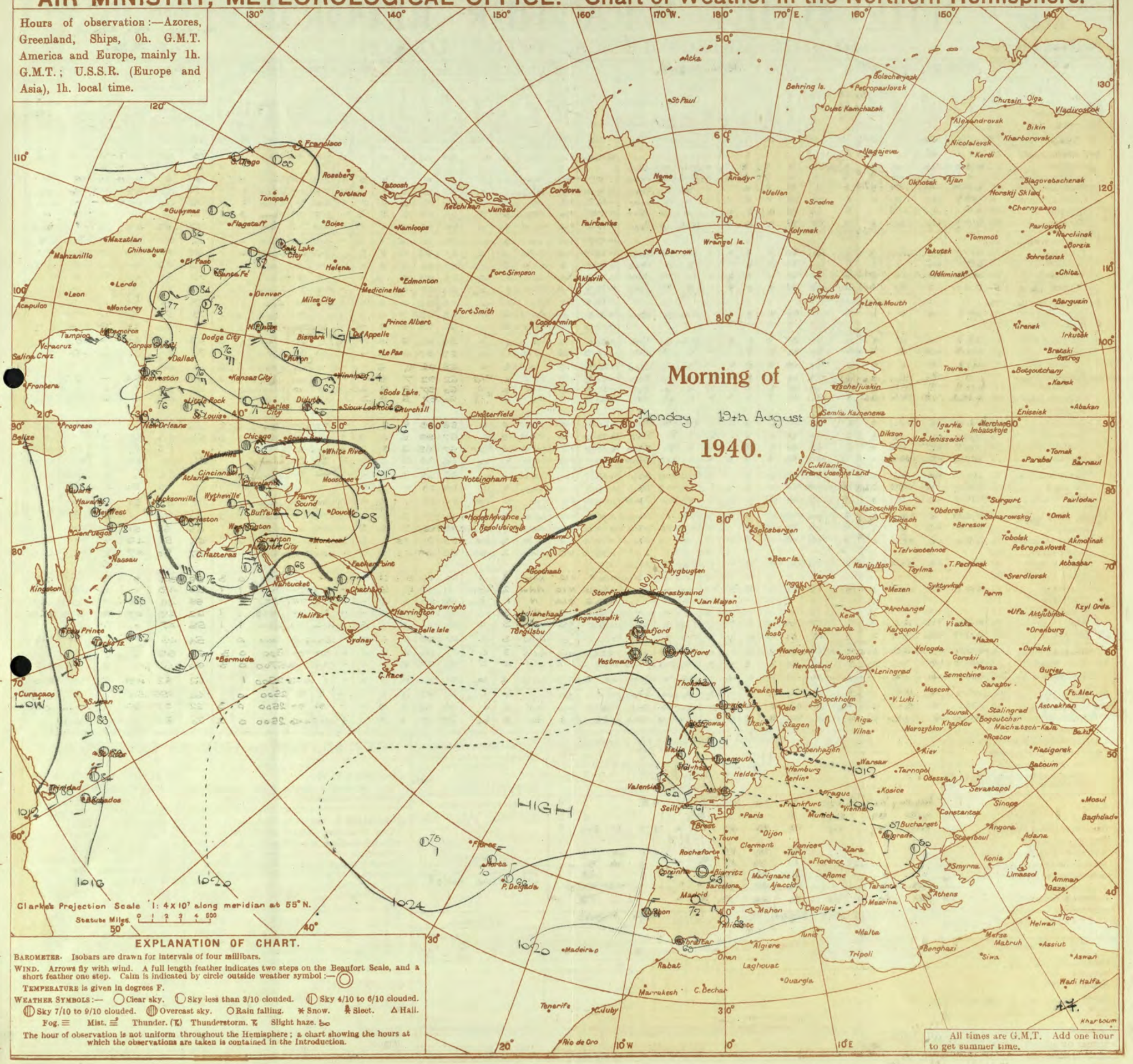
Forecasts issued at 10.00 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation :—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday 19th August, 1940.
No. 28,760.

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	1018.9	-14	W'N	3	c	*	*	7	5	7	*	7-8	10	2500
	S. Farnborough	226	*	*	SW	3	c	*	*	7	5	2	*	7-8	9+	4000
	Boscombe Down	417	1019.9	-16	W'N	3	c	61	92	7	8	-	-	9	9	2000
	Calshot (Sthmtn.)	8	1019.9	-14	W	2	c	63	85	7	5	-	-	10	10	4000
	Lympne	346	1019.0	-6	W'N	1	o	63	75	8	5	-	-	10	10	2500
	Manston	154	1017.7	-14	NW	2	c	64	85	7	5	7	-	4-6	10	2000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1017.7	-10	WNW	3	c	63	93	7	5	3	-	2-3	7-8	6000
	Gorleston	5	1017.1	-14	W	3	c	61	92	6	5	-	-	9	9	1500
	Mildenhall	19	1017.5	-14	W'S	2	c	59	97	7	5	3	-	1	7-8	4600
	Cranwell	240	1018.6	-8	NW	3	z0	56	85	6	5	7	-	9	9+	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1019.4	-14	W	2	=	61	92	8	5	3	-	4-6	9	3200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1021.5	-14	W	3	c	61	97	7	5	2	-	7-8	10	1500
	Bristol	209	1019.9	-18	W	3	c	62	92	7	5	-	-	9+	9+	1600
	Portland Bill	32	1021.6	-20	W	3	c	62	86	8	5	-	-	10	10	2500
	Plymouth	82	1022.1	-20	WNW	2	d0d0	63	92	6	5	-	-	10	10	900
	The Lizard	240	1023.5	-18	NW'W	5	ditto	60	97	2	5	-	-	10	10	600
	Scilly (St. Mary's)	163	1024.2	-14	NW'W	4	ditto	61	97	3	-	-	-	10	10	<150
	Guernsey	175														
6	Pembroke	142	1021.9	-8	NW'W	4	c	60	97	8	5	7	-	2-3	7-8	2500
7	Holyhead	26	1020.9	-2	W'N	2	c	57	85	8	8	-	4	9	9	2000
	Chester (Sealand)	16	1020.9	-6	W'N	2	c	57	86	8	5	3	-	9	9+	2500
8	Manchester	70	1019.6	-8	WSW	1	z0	52	92	5	5	3	-	1	4-6	6500
10	Spurn Head	29	1017.1	-4	NW	2	c	57	97	6	5	-	9	4-6	7-8	2500
	Catterick	175	1018.2	-6	WNW	3	bc	55	85	7	5	3	-	2-3	7-8	2500
	Tynemouth	108	1018.5	-6	W	3	z0	54	85	6	8	-	-	9+	9+	2500
11	St. Abbs Head	280	1016.9	0	WNW	3	c	54	89	8	5	2	-	7-8	10	2500
	Leuchars	36	1011.7	+4	W	4	c	56	75	7	5	7	-	4-6	10	3600
12	Renfrew (Abbots I.)	19	1018.9	-6	SSW	1	z0	54	88	6	5	7	-	9	10	2300
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1020.2	-6	NW'N	4	c	56	92	8	5	-	-	9+	9+	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1019.0	+2	NNW	3	pr	52	92	6	5	7	-	7-8	10	1500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1017.0	+6	NW	3	c	50	92	7	5	7	-	7-8	10	1500
16	Lerwick	156	1014.7	+6	NNW	4	c	48	89	8	8	7	-	7-8	9	1500
17	Blacksod Point	18	1024.1	-2	W'N	2	c	57	92	8	5	-	-	9+	9+	800
18	Malin Head	84	1020.9	-8	NW	4	c	56	86	8	8	-	-	7-8	7-8	5700
	Aldergrove	268	1021.0	-8	W'S	1	c	53	92	8	5	3	-	7-8	9	2000
19	Birr Castle	173	1023.2	-4	W'N	1	c	58	92	8	5	-	-	10	10	2500
20	Valentia Obsy.	30	1026.1	-4	NNW	4	z0	60	92	6	5	-	-	10	10	800
	Roches Point	22	1023.6	-2	W'N	4	c	61	92	8	5	-	-	7-8	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. 19th August. — PAST 24 HOURS.

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 18th Hrs. (36)
London (Kew)	1018.6	+10	NNW	3	c	59	66	8	5	3	2	7-8	9+	2500	0	*	79	59	57	Tr	-	8.5
Croydon																*	*			*		
S. Farnborough	*	*	NW	2	c	*	*	7	5	3	*	2-3	9+	3000	*	*	*	*	*	*	*	*
Boscombe Down	1019.6	+10	N'W	3	c	58	75	8	5	3	-	7-8	7-8	3500	1	*	77	57	55	-	Tr	9.2
Calshot (Sthmtn.)	1018.7	+2	N	3	c	61	75	8	5	7	-	4-6	9	2000	0	1	76	61	58	-	-	10.4
Lympne	1017.9	+4	NNW	3	c	58	89	8	5	3	-	7-8	9+	1500	*	§2	*	*	*	-	*	*
Manston	1017.0	+4	NW'N	4	c	59	75	7	5	3	1	2-3	7-8	900	0	*	83	59	58	-	Tr	9.4
Shoeburyness	1017.7	+10	NW	3	c	59	75	8	5	4	-	4-6	7-8	5700	0	*	82	57	53	-	Tr	8.9
Felixstowe	1016.7	+2	NW'N	4	z0	57	85	6	5	3	-	2-3	4-6	6000	0	1	81	57	55	Tr	0.3	7.1
Gorleston	1016.7	+8	NW'N	2	c	57	86	6	5	-	-	10	10	1700	1	1	76	56	54	0.2	5	6.9
Mildenhall	1017.4	+4	WNW	2	z0	54	85	6	5	-	-	9	9	5000	1	*	77	52	49	Tr	1	6.6
Cranwell	1018.3	+4	NNW	3	z0	56	85	6	5	-	-	4-6	9	2500	1	*	75	53	51	5	-	2.2
Birmingham	1019.5	+2	NW	3	c	55	86	6	5	7	-	2-3	9+	800	1	*	73	53	48	*	Tr	1.4
Upper Heyford	1019.5	0	NW'W	3	c	55	85	7	5	3	2	1	9	1200	0	*	79	53	47	Tr	Tr	*
Ross-on-Wye	1019.6	+4	NW'W	2	c	58	75	8	5	-	-	9+	9+	2500	0	*	77	56	52	Tr	-	4.9
Hartland Point	1021.1	+6	N	3	c	58	92	8	8	-	-	9	9+	1500	0	3	63	57	56	-	0.1	3.6
Bristol	1018.9	+6	NW	1	c	59	89	6	5	-	-	9+	9+	2500	0	*	71	57	51	-	Tr	9.6
Portland Bill	1020.3	+8	W	2	c	63	92	8	5	-	-	10	10	4000	0	2	64	61	*	-	—	*
Plymouth	1020.8	+2	NNW	2	°/d	62	92	7	5	-	-	10	10	1200	1	2	72	61	54	-	0.2	9.0
The Lizard	1022.5	+6	W'N	3	c/f	60	97	8	8	2	-	9	10	1500	0	2	66	59	*	-	0.5	5.0
Scilly (St. Mary's)	1022.8	-2	NW	4		60	97	8	8	2	-	4-6	10	800	1	2	66	60	*	-	0.3	2.0
Guernsey																						
Pembroke	1021.7	-4	NW	3	c	58	89	8	8	-	-	9+	9+	2200	1	2	63	57	*	-	0.2	5.5
Holyhead	1020.6	+6	NW'N	5	c	57	89	8	8	3	-	4-6	9+	2000	1	3	63	56	53	9	-	0.0
Chester (Sealand)	1019.9	+2	NW'W	3	c/pr	57	85	6	8	3	-	4-6	9	2000	1	*		55	51	3	Tr	0.9
Manchester	1019.0	+2	NW	3	z0	56	85	6	5	7	-	7-8	9+	2200	1	*	61	50	43	9	Tr	0.0
Spurn Head	1016.7	0	NW'W	4	c	55	85	7	5	-	-	9+	9+	4000	0	3	66	54	*	9	0.5	1.0
Catterick	1018.3	+10	NW	1	c	55	85	8	5	7	-	9	10	4000	0	*	62	53	50	4	-	0.0
Tynemouth	1018.5	+8	W	3	c/pr	54	85	6	8	2	-	4-6	9+	2600	1	1	62	52	51	4	Tr	*
St. Abbs Head	1017.8	+10	NNW	3	r0r0	50	97	7	5	2	-	7-8	10	1400	1	2	60	50	*	Tr	2	*
Leuchars	1018.6	+10	NNE	1	c/d	53	92	7	6	7	-	4-6	10	1800	1	*	63	52	51	-	Tr	1.1
Renfrew (Abbots I.)	1019.4	+10	W'N	2	bc	55	85	8	8	3	2	1	4-6	2800	0	*	62	51	45	-	—	0.0
Eskdalemuir	1018.4	+6	WNW	2	bc	53	85	8	5	7	-	4-6	7-8	1500	1		57	50	47	2	-	0.0
Point of Ayre	10																		*	5		
Tiree	1020.7	+14	NNW	3	c	55	86	8	5	-	-	9	9	1500	0	3	58	54	*	Tr	-	0.1
Stornoway	1020.6	+10	NNW	2	c/pr	51	85	8	5	7	-	7-8	9+	1500	1	1	58	49	*	1	Tr	0.8
Dalwhinnie	1019.8	+14	N	1	bc	49	85	8	7	-	1	4-6	7-8	1500	1	*	58	48	48	-	0.1	0.7
Aberdeen	1018.0	+8	N'W	3	c	51	92	8	8	-	-	9+	9+	2500	1	1	62	49	47	Tr	0.3	0.4
Wick	1018.0	+8	WNW	3	c	50	85	8	5	6	1	4-6	7-8	2500	1	1	58	47	*	Tr	0.3	*
Lerwick	1016.0	0	NNW	3	c	47	75	8	8	7	-	4-6	7-8	1500	0	*	54	45	*	1	Tr	1.1
Blacksod Point	1025.6	+12	NW'N	3	c	57	89	8	5	-	-	9+	9+	800	0	3	63	55	*	2	Tr	*
Malin Head	1022.2	+12	NW	4	c	56	85	8	9	-	-	7-8	7-8	5700	0	3	60	53	*	5	-	0.7
Aldergrove	1021.5	+10	NW'N	2	bc	54	92	8	5	3	1	1	4-6	2500	1	*	62	52	49	6	-	0.6
Birr Castle	1024.0	+8	N	1	c	56	85	8	5	-	-	9	9	2500	0	*	64	55	54	1	-	0.0
Valentia Obsy.	1026.8	+10	N'E	4	c	59	85	8	5	-	-	9+	9+	2500	0	3	62	57	56	Tr	0.2	0.0
Roches Point	1024.1	+12	NW	5	bc	59	86	8	5	4	-	4-6	4-6	2500	0	2	70	58	*	-	0.1	*

LONDON OBSERVATIONS

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	bcm0cbcy	bccbr0cy	cycc	79	59	57	Tr	-	8.5	*	*	8
Croydon	217	b,cbc	bcc	cir0c	*			*			*	*	7
Greenwich (Royal Observatory)	149	bcby	bcy	cr0c	83	58	57	-	Tr	8.7	37	64	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	82	59	57	-		8.8	54	73	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	81	58	57	-	-		83	71	*
Camden Square	110	bc	c	*	83	58	56	-	-	*	*	68	*
Kensington	80	bcz	c	*	84	59	58	-	-		44	66	*
Hampstead Observatory	450	bcp	bc	bc	81	54	53	Tr	-		*	79	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 19th

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
<0.1	Whole Period.		

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 18th August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 19th August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris														
Brussels														
Berlin														
Zürich														
Rome											*	*		

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1½ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6¼ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30 — Code for State of Sea.

0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Precipitous.
4 Rough. 9 Confused.

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

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

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

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Tuesday 20th August 1940.

No. 28,761

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1018.7	+6	NNW	3	c	65	55	7	8	7	-	4-6	7-8	2500
	Croydon	*	*	N'W	3	c	*	*	7	8	7	7	7-8	9+	3000
	S. Farnborough	*	*	NNW	3	bc	*	*	8	1	3	x	2-3	4-6	3000
	Boscombe Down	1019.6	+6	N'W	4	c	63	55	8	5	7	-	7-8	9+	4500
	Calshot (Soton.)	1019.2	0	NNW	4	c	64	65	8	8	7	-	7-8	9+	3500
	Lympne	1018.4	+4	N'W	3	c	63	55	8	7	6	-	4-6	7-8	2000
	Manston	1017.0	+2	NNW	4	c	62	75	7	5	7	-	4-6	10	3000
2	Shoeburyness	1017.5	+2	NW	3	c	64	65	8	5	7	-	9	9+	4000
	Felixstowe	1017.1	+2	N	4	c	63	65	8	8	3	-	7-8	9+	2500
	Gorleston														
	Mildenhall	1018.2	+10	N'W	4	c/pr	60	75	8	8	7	-	7-8	9+	2000
	Cranwell	1019.0	+6	NNW	4	c	61	65	8	8	-	-	9+	9+	2500
3	Birmingham	1019.8	+4	NNW	4	c	60	75	7	8	7	-	4-6	9+	1500
	Upper Heyford	1019.3	+2	NNW	3	c	63	65	7	8	3	-	4-6	9	2500
4	Ross-on-Wye	1020.6	+4	N'W	3	c	65	55	8	7	-	-	9+	9+	4000
5	Hartland Point	1022.2	+8	N	3	bc	61	75	8	1	-	-	4-6	4-6	2500
	Bristol	1020.5	+6	N	2	c	64	55	8	8	-	-	9+	9+	3000
	Portland Bill	1020.3	+8	N	3	c	65	85	8	5	-	-	10	10	4000
	Plymouth	1021.2	+2	N'W	4	c	65	55	8	8	-	-	9+	9+	2000
	The Lizard	1023.6	+10	NNW	5	c	66	85	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	1024.0	+8	N'W	5	bc	65	75	1	8	-	-	4-6	4-6	1500
	Guernsey														
6	Pembroke	1023.2	+2	N	4	bc	64	65	8	2	-	-	2-3	2-3	2000
7	Holyhead	1022.8	+10	NW'N	4	bc	62	75	8	8	4	9	2-3	2-3	2200
	Chester (Sealand)	1021.6	+10	NW'W	5	c	61	65	7	2	-	-	7-8	7-8	2100
8	Manchester	1020.0	+6	NW'W	4	c	63	65	8	8	-	-	9+	9+	2500
10	Spurn Head	1018.7	+6	NNW	5	c	60	75	7	9	7	-	4-6	9+	2000
	Catterick	1020.0	+10	N'W	3	c/r	57	85	7	8	7	-	7-8	9	3000
	Tynemouth	1019.9	+10	NNE	3	c	55	85	8	8	-	-	9	9	2400
11	St. Abbs Head	1019.8	+6	NW	2	c	54	85	8	4	5	-	4-6	9+	2500
	Leuchars	1019.6	+2	NW	3	c	61	65	9	8	-	-	7-8	7-8	3200
12	Renfrew (Abbots I.)	1020.6	+8	WNW	4	c	64	55	9	2	-	-	7-8	7-8	4000
	Eskdalemuir	1019.6	+4	N	1	c	57	75	8	5	-	-	10	10	2 00
	Point of Ayre	1021.5	+10	NNW	5	bc	63	85	8	1	6	-	Tr	4-6	2500
13A	Tiree	1022.6	+6	NW	2	c	58	75	8	7	-	-	9	9	2100
13B	Stornoway	1021.8	+4	NW	3	c	56	75	8	5	7	-	7-8	9+	1500
15	Dalwhinnie	1021.3	+8	NW	1	c	54	65	8	7	-	-	9	9	1500
	Aberdeen	1019.6	+8	N'W	4	bc	56	75	8	8	-	-	4-6	4-6	2500
	Wick	1019.7	+8	NW	6	bcq	54	55	8	7	4	-	4-6	4-6	1500
16	Lerwick	1016.9	+6	N'W	5	c/pr	51	75	8	8	7	-	4-6	7-8	1500
17	Blacksod Point	1026.8	+2	N'W	3	bc	61	85	8	-	6	-	0	4-6	-
18	Malin Head	1024.2	+4	NNW	5	c/p	57	85	8	3	7	-	4-6	9	4000
	Aldergrove	1023.3	+8	NW	3	c	58	75	9	8	-	-	10	10	2000
19	Birr Castle	1025.1	+4	N	2	c	64	65	8	8	1	-	7-8	9+	1500
20	Valentia Obsy. †	1027.0	+2	N	4	b	65	65	8	1	-	-	1	1	4000
	Roches Point	1025.4	+6	N	3	c	64	65	8	5	-	-	7-8	7-8	2500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	1019.7	+6	NNE	3	bc	64	55	7	5	-	-	4-6	4-6	2500	0	*
	Croydon																*
	S. Farnborough																*
	Boscombe Down	1020.3	+8	NW'N	4	bc	64	55	8	2	-	-	4-6	4-6	3000	0	*
	Calshot (Soton.)	1019.8	+6	N'E	3	zo	65	65	6	4	-	-	2-3	2-3	4500	0	1
	Lympne	1019.0	+6	N	2	c	61	75	8	9	-	-	7-8	7-8	1500	0	§ 2
	Manston	1019.0	+10	NNE	3	c/pr	57	85	7	8	6	-	4-6	9+	1800	1	*
2	Shoeburyness	1019.3	+10	N	3	c	60	75	8	5	7	-	4-6	9+	4000	0	*
	Felixstowe	1019.3	+10	N	3	c	60	65	8	8	3	-	2-3	9+	2000	1	2
	Gorleston	1019.0	+10	N'W	4	bc	59	75	7	8	3	-	2-3	4-6	1500	0	2
	Mildenhall	1019.8	+8	N'W	2	c	57	85	8	5	7	-	7-8	9+	4000	1	*
	Cranwell	1020.2	+4	NE	2	c	58	75	8	5	6	-	4-6	7-8	2500	0	*
3	Birmingham	1020.3	+4	NW	3	bc	62	55	8	7	-	-	4-6	4-6	2500	0	*
	Upper Heyford	1020.4	+6	NNW	3	zo	62	65	6	8	6	-	4-6	7-8	2500	0	*
4	Ross-on-Wye	1021.0	+6	N'W	3	bc	63	55	8	4	-	-	2-3	2-3	4000	0	*
5	Hartland Point	1023.3	+6	N	4	F	61	75	1	1	4	-	1	2-3	3500	0	3
	Bristol	1021.1	+4	NNW	3	bc	63	55	8	7	-	-	2-3	2-3	4000	0	*
	Portland Bill	1020.5	+4	N	3	bc	66	85	8	5	4	-	4-6	4-6	4000	0	2
	Plymouth	1022.2	+6	N	5	b	65	55	9	1	-	-	Tr	Tr	3500	0	2
	The Lizard	1023.5	+4	N'W	5	bc	62	65	8	2	-	-	2-3	2-3	2500	0	2
	Scilly (St. Mary's)	1024.7	+2	N	4	bc	62	65	8	7	-	4	2-3	2-3	2200	0	3
	Guernsey																
6	Pembroke	1024.0	+2	N'E	3	bc	62	65	8	2	4	-	2-3	2-3	3500	0	1
7	Holyhead	1023.3	+2	NW	3	c	59	75	8	8	3	-	9	9	3500	0	3
	Chester (Sealand)	1022.3	+6	NW'W	4	c	60	65	8	8	-	4	4-6	7-8	3500	0	*
8	Manchester	1021.[illegible]	+6	NW'W	4	bc	61	75	8	7	4	4	4-6	4-6	3200	0	*
10	Spurn Head	1019.6	+6	NNW	4	c	57	75	8	5	2	-	7-8	9+	3500	0	3
	Catterick	1020.4	+2	-	0	zo	57	85	6	8	7	-	4-6	7-8	4500	0	
	Tynemouth	1020.3	+2	NE	2	c	65	85	8	8	-	-	7-8	7-8	3200	1	1
11	St. Abbs Head	1019.9	+4	NNE	2	bc	53	85	9	5	4	9	4-6	4-6	4000	0	2
	Leuchars	1019.8	0	SE	3	bc	61	65	8	8	-	8	4-6	4-6	2800	0	*
12	Renfrew (Abbots I.)																*
	Eskdalemuir	1019.8	+2	-	0	c	58	65	8	5	7	-	4-6	7-8	2500	1	*
	Point of Ayre	1022.3	+2	NNW	5	bc	59	85	8	2	4	-	1	2-3	2500	0	3
13A	Tiree	1022.6	0	NW'W	2	c	56	85	8	8	-	-	9	9	1800	0	3
13B	Stornoway	1021.5	-4	NW	3	pr	55	75	9	5	7	-	4-6	10	2700	1	1
15	Dalwhinnie	1021.6	+4	NW	1	bc	54	55	8	2	5	-	2-3	4-6	1500	0	*
	Aberdeen	1020.2	0	N'W	4	b	53	65	8	7	-	-	Tr	Tr	4000	0	2
	Wick	1020.3	+2	NW	4	bc	53	65	8	8	7	8	2-3	4-6	1500	1	2
16	Lerwick	1018.3	+4	N	5	c	51	75	8	5	7	-	4-6	7-8	1500	*	*
17	Blacksod Point	1026.7	0	NW	3	c	59	85	7	-	6	-	0	10	-	0	3
18	Malin Head	1024.3	0	NW	3	c	57	75	8	8	-	-	7-8	7-8	5700	0	2
	Aldergrove	1023.8	+2	NW	3	c	57	75	9	8	7	-	7-8	9+	2500	1	*
19	Birr Castle	1025.4	+2	N	1	c	63	65	8	4	-	-	7-8	7-8	2500	0	*
20	Valentia Obsy. †	1027.5	+2	N'W	4	bc	62	75	8	4	-	-	2-3	2-3	2500	0	3
	Roches Point	1025.4	-2	N	3	bcjp	65	75	8	7	-	-	4-6	4-6	4000	0	1

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 19th (37)	13h.—18h. 19th (38)	18h. 19th to 1h. 20th (39)	1h.—7h. 20th (40)
1	London (Kew)	ccy	bcu	bcyc	cbcmow
	Croydon	*			
	S. Farnborough	cbc		*	b
	Boscombe Down	c	cbcy	bcb	bbc
	Calshot (Soton.)	c	cbcycmo	bmob	bbmob
	Lympne	cbccy	cyproro		cbc
	Manston	bcc	cpr	bcc	cbcmo
2	Shoeburyness	abcc	cprc	ciroc	cb,c
	Felixstowe	bcmoc	ccprocv	cvcbcc	cbmo
	Gorleston		cbc	bc	bc
	Mildenhall	cmoc,pro	cproc	ccw	cwbmcmo
	Cranwell	cmoc	c	c	cbc,cmo
3	Birmingham	c	cbc	bcb	bbc
	Upper Heyford	c	*	cmobcbbc	bbcc
4	Ross-on-Wye	cbcycy	cybcy	bbw	bwbcc
5	Hartland Point	crobc	bc	*	cbbc
	Bristol	cy	cbcy	bcbu	bycbc
	Portland Bill	c	cbc	bcb	bbc
	Plymouth	c.cy	cyby	byb	bcq
	The Lizard	c	bc	bbcb	bbcb
	Scilly (St. Mary's)	cpobc	bcb	bw	bw
	Guernsey				
6	Pembroke	cbc	bc	bcb	bc
7	Holyhead	cbbc	bcc	cwbc	bcwc
	Chester (Sealand)	cproc	cbc	bcc	c
8	Manchester	cmoc	bc	bcbmoc	ccmo
10	Spurn Head	c	c	c	c
	Catterick	idororoc	ccmo	mofgcmo	cmoc
	Tynemouth	ciroc	c	c	c
11	St. Abbs Head	c	cbc	cbc	croro
	Leuchars	cprocy bcbbc	cbc	c	cirocrr cromo
12	Renfrew (Abbots I.)				
	Eskdalemuir	c	cbcy	bcybbc	cwmo
	Point of Ayre	bc	bc	c	c
13A	Tiree	c	bcc	c	oid
13B	Stornoway	cpr	cpro	cpr	cRR
15	Dalwhinnie	c	cbc		crro
	Aberdeen	cprbc	bcb	bbc	crro
	Wick		bcqc	bcror	crorc
16	Lerwick	cpr	c	bcc	crr
17	Blacksod Point	bc	c	c	dd
18	Malin Head	ccproc	c	c	c
	Aldergrove	bcc	cproc	c	c
19	Birr Castle	c	c	bcc	cpro
20	Valentia Obsy. †	cbcb	b	bbcc	cirocjdo
	Roches Point	bcc	bc	bcb	bcwbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height). ⁄gale.
⊕ Solar halo. ⑩ lunar halo. ⌂Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

† Sea disturbance reported from Dungeness.

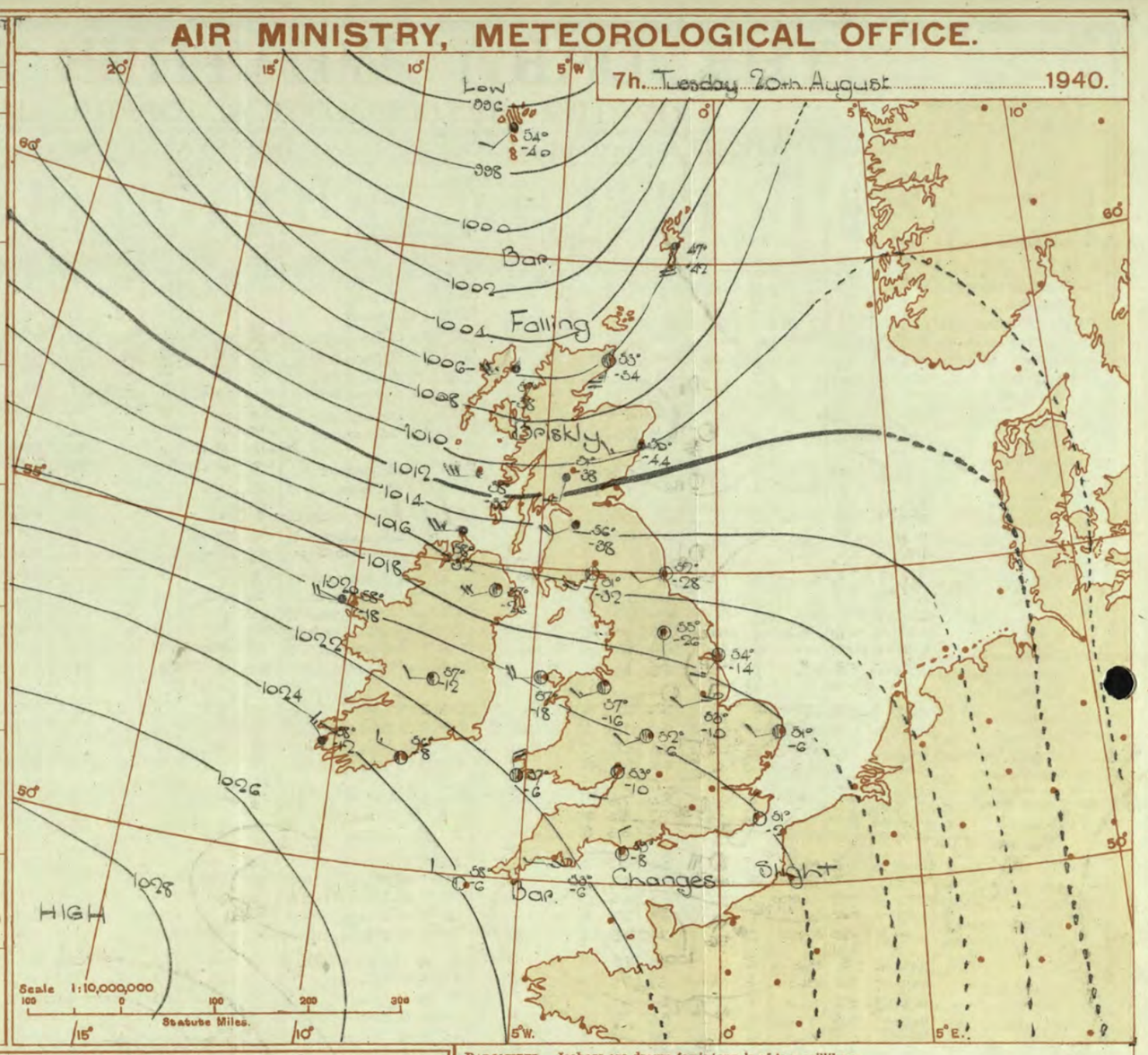
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

AIR MINISTRY, METEOROLOGICAL OFFICE.

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 19th August				18h. G.M.T.			01h. G.M.T. 20th August				07h. G.M.T.		
III	$C_L C_M$	wwVhN_h	DDFWN	$C_L C_M$	wwVhN_h	DDFWN	$C_L C_M$	wwVhN_h	DDFWN	$C_L C_M$	wwVhN_h	DDFWN
109	70	01865	31515	7-	02864	26327						
115	11	01963	32284	72	02945	26227	87	81700	20487	--	67108	20689
203												
206	8-	01964	28214	53	02965	28226	52	61855	24268			
210	8-	01950	30413	4-	01953	32413	5-	02858	00028	52	62846	20368
220	83	02953	27215	52	02844	27218				63	66428	24508
230	86	02965	26326	47	01963	27425	5-	02808	24328	02	66518	20468
245	53	02955	02325	8-	01964	31414	03	02830	24126	62	66448	20368
260	80	01965	30215	80	01965	02115	53	05665	28217	52	61755	22328
277	86	02955	28687	55	01963	27424	57	02765	24127	57	02755	20427
279												
285	8-	02737	04327	--	02745	30125				8-	03688	24628
288	7-	05668	32268	5-	05564	04224	5-	05567	20127	07	02830	18226
273	13	10653	30106							46	52434	26618
301	83	01753	30313	26	01853	30414	23	01764	30415	87	02754	24427
321	87	25745	63388	57	02764	32226	58	05655	00028	07	05690	24226
299	87	01744	28415	80	01744	2-314						
292	82	02755	32426	8-	02857	00027	03	05690	00016	53	02763	22225
310										--	03628	26428
316	8-	02646	30226	86	81756	32187	03	01680	30184	03	01880	24125
333	26	01844	28514	46	01963	28315	13	01853	26314	63	02844	26327
334	--	02857	32427	—	10863	32403						
340	80	01854	28484	80	00862	26312	53	01763	30214	53	02964	22316
136	53	81745	32487	53	02843	01487	53	02873	28215			
336	--	02853	32427	--	02853	32416				--	02854	24516
350				73	02764	04226	00	05690	28210	03	01880	24205
368	26	01865	31315	40	01873	29313	40	00761	28211	53	05663	28215
379	8-	02748	30328	30	01855	30215	00	05690	26202	03	01780	28113
390	73	05655	30427	43	01763	02384	00	00780	30110	53	05674	26415
382	77	02764	28326	40	05666	32326	00	00780	00000	53	01862	26214
438	32	02752	32227							56	01652	32303
430	86	01864	30415				00	05530	00000			
409	1-	01854	32564	50	00851	32501	5-	02856	30205	00	00890	30110

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



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 20th August,
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Freshening West wind, veering North-west tomorrow; cloudy; some rain tonight, bright intervals and scattered showers tomorrow; cool.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Fresh west wind veering N.W, strong at times at exposed places; cloudy; rain at times; bright intervals and showers tomorrow; cool.
13 { A. W. Scotld. B. N.W. Scotland.	Strong west wind, veering N.W; gale locally; rain then showers; cool.
14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	as 7-12.

GENERAL INFERENCE.

A depression north of the Faeroes will move south-east and associated troughs will move south-east over the British Isles, giving rain, followed by bright intervals and showers.

FURTHER OUTLOOK.

Cool north west winds with showers and bright intervals.

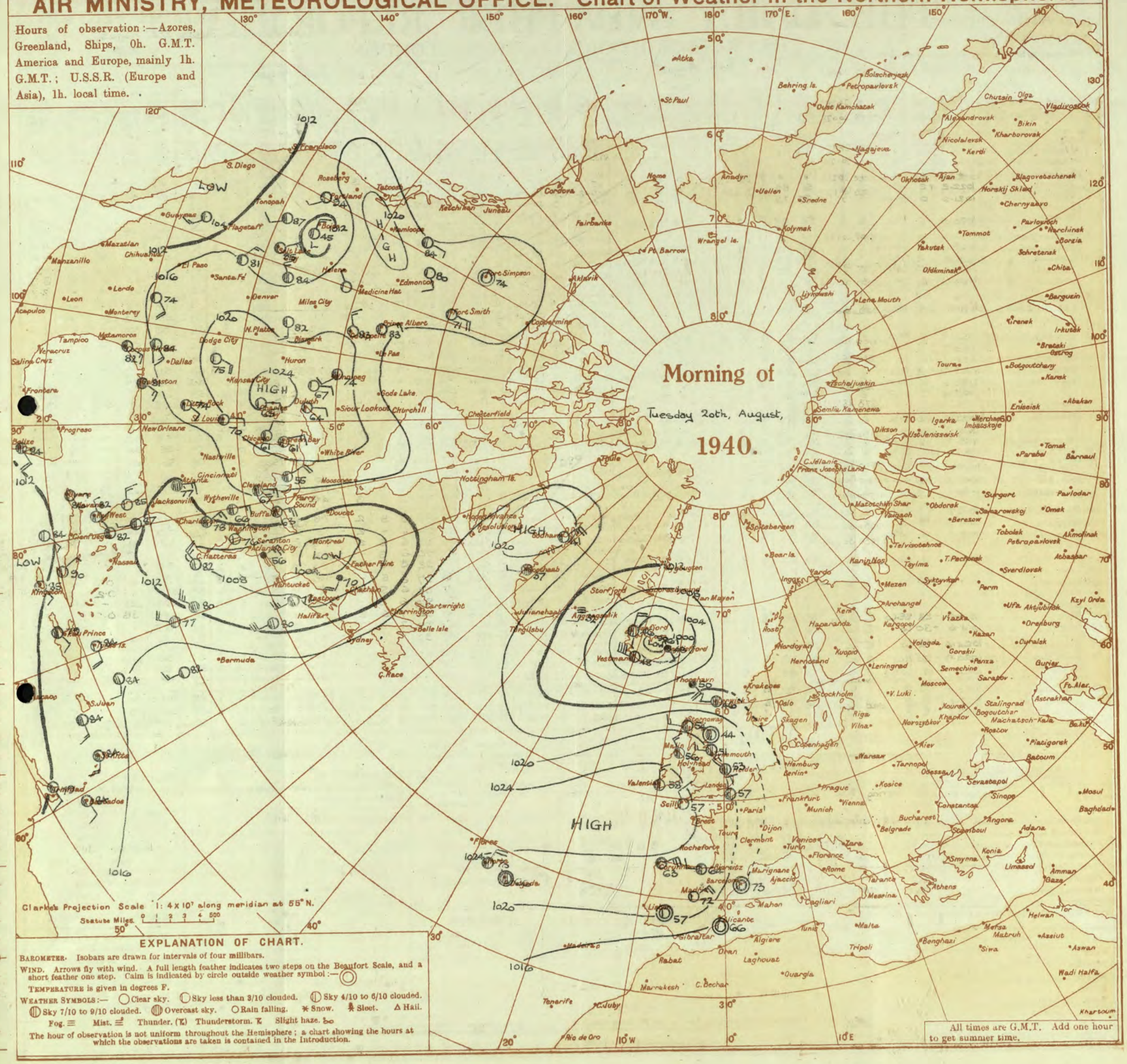
Forecasts issued at 10.30 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation :—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 20th August 1940.

No. 28,761

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217														
	S. Farnborough	226	*	*	–	0	b	*	*	7	–	–	–	0	0	–
	Boscombe Down	417	022·2	+2	NW	3	b	51	85	7	–	–	–	0	0	–
	Calshot (Sthmtn.)	8	021·6	0	NW'N	3	b	57	75	7	–	–	–	0	0	–
	Lympne ...	346														
	Manston ...	154	020·0	-6	NW	2	c	56	85	7	5	–	–	7·8	7·8	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	020·0	-2	NW'W	2	c	55	85	8	5	7	6	2·3	9+	1800
	Gorleston ...	5	019·0	-2	WNW	3	bc	52	85	7	5	–	–	4·6	4·6	2400
	Mildenhall ...	19	020·1	-2	W'S	2	c	51	97	7	5	7	–	4·6	9+	4000
	Cranwell ...	240	020·4	-4	–	0	c	*	*	7	5	–	–	9-	9	3000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	021·5	-2	NNW	2	bc	50	85	7	–	7	–	0	2·3	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	023·5	-8	NNW	2	c	59	85	8	8	6	–	2·3	7·8	1000
	Bristol ...	209	022·9	-4	–	0	b	49	85	7	–	–	–	0	0	–
	Portland Bill ...	32	022·4	+6	N	2	b	61	85	8	–	–	–	0	0	–
	Plymouth ...	82	023·9	-2	NW	1	bc	55	85	7	–	7	–	0	2·3	1700
	The Lizard ...	240	025·0	-6	NW'N	3	b	52	97	8	–	–	–	0	0	–
	Scilly (St. Mary's)	163	025·4	-6	NW'N	2	b	57	92	8	–	–	–	0	0	–
	Guernsey ...	175														
6	Pembroke ...	142	023·6	-4	W'N	2	b	58	85	8	–	–	–	0	0	–
7	Holyhead ...	26	022·9	-6	W'N	3	bc	57	85	8	8	3	–	4·6	4·6	3500
	Chester (Sealand)	16	021·9	-6	NW'W	4	c	57	75	8	2	–	–	7·8	7·8	2100
8	Manchester ...	70	021·0	-4	W'N	3	c	52	92	7	2	3	–	1	9	2500
10	Spurn Head ...	29	019·1	0	NW'W	3	c	53	85	8	5	–	–	7·8	7·8	4000
	Catterick ...	175	019·6	-10	–	0	2o	49	97	5	5	–	–	9	9	3500
	Tynemouth ...	108	020·1	+10	W	3	c	51	85	7	8	3	–	4·6	7·8	3200
11	St. Abbs Head	280	018·7	-16	SW	2	bc	50	85	8	5	4	–	4·6	4·6	2500
	Leuchars ...	36	018·5	-18	–	0	c	53	85	8	5	3	–	2·3	9	3200
12	Renfrew (Abbots I.)	19	019·8	-14	WSW	2	c	53	85	8	5	3	1	7·8	9+	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	021·6	-2	NW	4	c	55	97	8	8	4	–	4·6	9+	1000
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	017·0	-34	W	3	c	54	97	7	5	7	–	7·8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	015·9	-28	SSW	2	rofo	49	85	8	5	2	–	7·8	10	1500
16	Lerwick ...	156	014·6	-30	W	2	c	46	85	8	5	7	–	7·8	9	1500
17	Blacksod Point	18	024·6	-12	W	2	c	57	97	7	5	–	–	10	10	1500
18	Malin Head ...	84	020·9	-20	NW	3	c	56	85	8	6	–	–	7·8	7·8	7500
	Aldergrove ...	268	022·1	-14	WSW	3	c	55	85	7	5	–	–	9+	9+	2000
19	Birr Castle ...	173	025·2	-4	N	1	c	52	92	8	5	–	–	9+	9+	2500
20	Valentia Obsy.	30	027·0	-8	N	3	c	58	85	8	5	–	–	10	10	1500
	Roches Point	22	025·6	-8	N	3	b	55	92	8	–	–	–	0	0	–

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force. 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0–10 (26)	Cloud. Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1020·1	-4	WSW	2	2o	53	75	6	5	3	1	2·3	2·3	4000	0	*
	Croydon ...																*
	S. Farnborough	*	*	–	0	bc	*	*	7	–	3	–	0	2·3	–	*	*
	Boscombe Down	1021·2	-6	NW'W	1	bc	51	92	6	–	7	5	0	2·3	–	0	*
	Calshot (Sthmtn.)	1021·3	-2	WNW	3	b	53	85	8	1	3	1	Tr	1	2500	0		
	Lympne ...	1020·3	-2	NW'N	2	b	51	92	7	–	3	–	0	1	–	0	§
	Manston ...	1019·2	-6	W	3	2o	54	92	6	5	3	–	4·6	7·8	3000	0	*
2	Shoeburyness ...	1019·3	-6	W	3	c	55	85	8	5	–	–	10	10	2500	0	*
	Felixstowe ...	1018·8	-10	WNW	3	2o	53	92	6	5	3	1	2·3	2·3	2000	0	1
	Gorleston ...	1018·2	-6	W'S	2	bc	51	85	6	–	3	–	0	4·6	–	0	2
	Mildenhall ...	1018·6	-4	W'S	2	2o	51	97	6	5	3	–	2·3	9	800	0	*
	Cranwell ...	1018·4	-10	W'S	2	2o	53	92	6	5	3	–	4·6	9+	3500	0	*
3	Birmingham ...	1019·6	-6	WSW	2	c	52	85	7	5	7	–	2·3	7·8	4000	0	*
	Upper Heyford	1020·4	-6	WNW	3	c	54	75	8	5	4	1	4·6	9	4000	0	*
4	Ross-on-Wye	1020·4	-10	SW'S	2	bc	53	85	8	5	3	–	2·3	4·6	4000	0	*
5	Hartland Point	1021·9	-8	NW	3	bc	58	85	8	5	–	–	4·6	4·6	1500	0	2
	Bristol ...	1021·5	-6	W'N	2	bc	55	92	8	–	3	–	0	4·6	–	0	*
	Portland Bill ...	1021·6	-8	NNW	2	bc	59	92	8	5	–	–	2·3	2·3	4000	0	2
	Plymouth ...	1022·9	-6	W	1	2o	53	92	6	5	–	–	2·3	2·3	2500	1	1
	The Lizard ...	1024·5	+2	–	0	b	58	92	8	–	–	–	0	0	–	0	1
	Scilly (St. Mary's)	1024·1	-6	NW'W	2	b	58	97	7	2	–	–	Tr	Tr	2500	0	1
	Guernsey ...																
6	Pembroke ...	1017·3	-6	NNW	4	c	57	85	8	8	6	–	4·6	7·8	2500	0	2
7	Holyhead ...	1019·1	-18	W	4	c	57	85	7	5	3	2	4·6	9+	5000	0	2
	Chester (Sealand)	1019·1	-16	WSW	3	c	57	75	8	8	3	–	7·8	9+	2700	0	*
8	Manchester ...	1017·7	-18	W	3	2o	57	85	6	5	3	–	4·6	9+	1500	0	*
10	Spurn Head ...	1016·7	-14	SW	3	o	54	85	6	5	–	–	10	10	4000	0	2
	Catterick ...	1015·4	-26	S	1	c	55	85	8	5	7	–	7·8	9	4000	0	*
	Tynemouth ...	1015·6	-28	WSW	2	c	52	92	6	8	3	–	4·6	9	2600	0	1
11	St. Abbs Head	1013·0	-28	W	3	rofo	53	85	8	5	2	–	7·8	10	2500	1	2
	Leuchars ...	1011·5	-38	WSW	3	rr	53	92	6	–	2	–	10	10	500	1	*
12	Renfrew (Abbots I.)	1013·1	-38	WSW	4	rofo	56	92	6	5	2	–	7·8	10	1500	1	*
	Eskdalemuir ...	1013·9	-32	SSW	4	c	51	92	6	5	–	–	10	10	800	1	*
	Point of Ayre ...	1016·5	-26	W	4	c	57	92	8	8	7	–	2·3	9+	1500	0	2
13A	Tiree ...	1010·0	-36	W	6	dodo	58	97	6	5	–	–	10	10	400	1	4
13B	Stornoway ...	1006·0	-38	WSW	5	rr	57	97	6	5	2	–	9	10	800	1	3
15	Dalwhinnie ...	1010·2	-38	SSW	3	rr	51	92	6	5	–	–	10	10	800	1	*
	Aberdeen ...	1009·0	-44	WSW	3	rofo	50	92	7	6	2	–	1	10	2500	1	1
	Wick ...	1005·8	-51	SSW	5	c	53	92	7	6	7	7	4·6	10	800	1	2
16	Lerwick ...	1006·1	-42	S	5	rr	47	92	7	6	2	–	4·6	10	800	1	*
17	Blacksod Point	1020·1	-18	W	4	dd	58	97	6	6	–	–	10	10	<150	1	3
18	Malin Head ...	1014·7	-32	W	5	1d	58	97	6	5	–	–	9+	9+	2500	0	3
	Aldergrove ...	1016·7	-26	WSW	4	c	57	85	8	5	–	–	10	10	700	1	*
19	Birr Castle ...	1021·6	-12	W	2	c/pr	57	92	8	8	1	–	7·8	10	1500	0	*
20	Valentia Obsy.	1024·6	-12	NW'W	3	1d	58	97	6	5	–	–	10	10	800	0	2
	Roches Point	1023·1	-8	NW	3	bc	56	92	8	5	–	–	2·3	2·3	2500	0	1

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F (32)	Temperature. Min. on Grass °F (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 19th Hrs. (36)
1	London (Kew)	67	51	39	–	–	4·1
	Croydon ...						
	S. Farnborough	*	*	*	*	*	*
	Boscombe Down	66	46	41	–	–	4·2
	Calshot (Sthmtn.)	67	50	45	–	–	4·0
	Lympne ...	64			Tr	Tr	3·2
	Manston ...	65	50	45	0·1	–	2·6
2	Shoeburyness ...	66	50	40	Tr	Tr	3·4
	Felixstowe ...	65	52	49	Tr	–	3·5
	Gorleston ...	62	48	45	0·2	–	1·9
	Mildenhall ...	65	46	40	1	Tr	3·3
	Cranwell ...	63	49	47	–	–	2·7
3	Birmingham ...	65	49	44	*	–	3·1
	Upper Heyford	64	48	42	Tr	–	*
4	Ross-on-Wye	66	45	37	–	–	6·0
5	Hartland Point	62	58	52	Tr	–	7·4
	Bristol ...	68	47	36	–	–	4·3
	Portland Bill ...	66	59	*	–	–	*
	Plymouth ...	68	50	43	–	–	4·6
	The Lizard ...	69	53	*	–	–	8·0
	Scilly (St. Mary's)	66	55	*	0·1	–	8·[illegible]
	Guernsey ...						
6	Pembroke ...	65	54	*	–	–	8·1
7	Holyhead ...	62	55	53	–	–	7·1
	Chester (Sealand)	63	55	50	–	–	7·9
8	Manchester ...	65	50	44	–	–	6·6
10	Spurn Head ...	61	52	*	–	–	0·5
	Catterick ...	61	48	42	Tr	–	2·4
	Tynemouth ...	58	51	48	0·2	–	*
11	St. Abbs Head	57	49	*	0·2	Tr	*
	Leuchars ...	62	50	46	Tr	1	3·2
12	Renfrew (Abbots I.)	53	50	31		Tr	11·3
	Eskdalemuir ...	62	49	47	–	–	2·5
	Point of Ayre ...	63	55	*	–	–	9·7
13A	Tiree ...	60	55	*	0·1	0·2	2·2
13B	Stornoway ...	59	53	*	0·2	10	4·2
15	Dalwhinnie ...	59	48	45	–	10	3·9
	Aberdeen ...	57	42	38	0·3	2	7·1
	Wick ...	54	45	*	–	Tr	6·2
16	Lerwick ...	55	44	*	0·2	1	7·1
17	Blacksod Point	62	56	*	–	0·3	*
18	Malin Head ...	59	53	*	Tr	Tr	0·7
	Aldergrove ...	61	53	50	Tr	–	1·9
19	Birr Castle ...	68	50	46	–	0·2	6·9
20	Valentia Obsy.	65	54	49	–	Tr	9·8
	Roches Point	67	54	*	–	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon.	Weather. Night.	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h. To-day.
Kew ...	18				67	51	39	–	–	4·1	*	*	8
Croydon ...	217										*	*	6
Greenwich (Royal Observatory) ...	149	cy	cbcy	crocbc	66	52	45	–	Tr	3·0	51	67	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	68	52	47	–	–	3·3	59	77	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	68	51	46	–	–		60	71	*
Camden Square ...	110	c	bc	*	68	51	45	–	–	*	*	67	*
Kensington ...	80	bc	bc	*	68	51	45	–	–		53	67	*
Hampstead Observatory ...	450	bc	bc	bc	65	49	44	–	–		*	77	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 20th

South Kensington.

Max.	Time.	Min.	Time.

Kew Observatory.

Max.	Time.	Min.	Time.
<0·1	whole	period.	

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris ...														
Brussels ...														
Berlin ...														
Zürich ...														
Rome ...											*	*		

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

		Objects not visible at
0	Dense fog	55 yards.
1	Thick fog	220 „
2	Fog	550 „
3	Moderate fog	1,100 „
4	Mist or haze	1¼ miles.
5	Poor visibility	2½ „
6	Moderate „	6¼ „
7	Good „	12½ „
8	Very good „	31 „
9	Excellent „	beyond 31m.

COLUMN 30 — Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptious.
4 Rough.	9 Confused.

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

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

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Wednesday 21st. August, 1940.

No. 28762.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew) ...	1015·2	-34	W'S	4	c	67	55	7	7	7	-	4-6	9+	2500
	Croydon	*	*	WNW	3	c	*	*	7	5	7	*	2-3	10	300
	S. Farnborough	*	*	WSW	4	c	*	*	8	7	3	*	4-6	9	4000
	Boscombe Down	1017·0	-20	W	5	zo	64	65	7	5	7	-	7-8	9+	3600
	Calshot (Soton.)	1017·1	-22	SW	5	c	66	65	7	7	3	6	4-6	9+	3000
	Lympne ...	1016·6	-18	W	5	c	68	75	8	1	7	-	4-6	9	2500
	Manston ...	1014·9	-22	W'S	4	c	66	55	7	5	7	-	7-8	9	2500
2	Shoeburyness ...	1015·1	-28	WSW	4	c	65	55	6	5	7	-	7-8	10	2500
	Felixstowe ...	1014·1	-32	W'N	4	c/r	65	55	8	5	7	-	4-6	10	3500
	Gorleston ...	1013·6	-28	W	2	c/pr	61	75	7	8	-	-	9	9	2500
	Mildenhall ...	1013·8	-28	W'S	4	c	63	65	7	4	7	-	4-6	10	3500
	Cranwell ...	1012·8	-26	W	3	c	61	65	7	5	-	-	10	10	1800
3	Birmingham	1014·4	-28	WSW	4	c	62	65	8	5	7	-	2-3	10	4000
	Upper Heyford	1015·0	-24	WSW	4	c	64	55	8	5	1	-	7-8	10	2800
4	Ross-on-Wye ...	1016·0	-20	W	5	c	64	65	8	5	-	7	4-6	9+	4000
5	Hartland Point	1018·9	-20	WNW	3	c	60	85	8	8	2	-	7-8	10	1500
	Bristol	1017·3	-20	W'S	4	c	61	75	8	5	7	-	9	10	3000
	Portland Bill ...	1018·2	-16	SW	3	c	63	85	8	2	4	-	7-8	10	4000
	Plymouth ...	1019·6	-16	WNW	4	c	67	65	8	4	-	6	7-8	9+	2500
	The Lizard ...	1021·6	-14	W	4	c	66	75	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	1022·2	-12	W'N	4	c	67	75	8	8	7	-	4-6	9+	1500
	Guernsey ...														
6	Pembroke ...	1017·7	-16	W'N	6	cq	59	85	8	8	2	-	7-8	10	1500
7	Holyhead ...	1014·2	-30	SW	4	c	61	85	8	5	4	-	9	9+	2500
	Chester (Sealand)	1012·9	-40	SW'W	5	iro	62	75	7	5	7	-	7-8	10	2700
8	Manchester ...	1012·6	-30	SW'W	3	iro	58	85	6	6	2	-	9	10	1400
10	Spurn Head ...	1011·0	-26	SW'S	4	RR	56	92	6	6	-	-	10	10	1300
	Catterick ...	1008·7	-38	SW	4	roro	58	92	7	6	2	-	7-8	10	1500
	Tynemouth ...	1005·8	-52	W	5	c/r	59	85	6	6	-	-	10	10	1400
11	St. Abbs Head	1002·2	-46	W	5	cq	61	85	9	8	2	-	4-6	9+	2500
	Leuchars ...	1002·2	-34	SW	3	c	63	85	8	5	2	-	4-6	10	900
12	Renfrew (Abbots I.)	1006·1	-28	W'S	4	c	61	85	8	5	7	8	9	9+	1400
	Eskdalemuir ...	1005·7	-38	W'N	6	o/r	59	92	6	5	-	-	10	10	800
	Point of Ayre ...	1010·2	-28	W'N	6	rr	59	97	7	6	2	-	4-6	10	1500
13A	Tiree	1007·6	-8	WNW	5	DR	57	97	6	-	2	-	10	10	800
13B	Stornoway ...	1004·6	-4	WNW	5	ir	55	85	7	6	7	-	7-8	9+	1500
15	Dalwhinnie ...	1003·4	-20	WSW	5	bc	62	75	7	8	-	-	4-6	4-6	800
	Aberdeen ...	1000·2	-22	NW	3	c	64	75	8	9	1	-	9	9+	2500
	Wick	999·5	-22	WNW	5	c/r	58	85	7	8	7	8	7-8	9	800
16	Lerwick	995·4	-56	S	6	rr	52	97	5	6	2	-	4-6	10	220
17	Blacksod Point ...	1016·2	-12	WSW	5	id	60	97	6	6	-	-	10	10	<150
18	Malin Head ...	1010·8	-4	W'N	5	dd	59	92	6	3	-	-	9+	9+	800
	Aldergrove ...	1010·9	-26	W	4	id	62	92	5	6	2	-	9+	10	500
19	Birr Castle ...	1017·5	-22	W	2	ido	63	85	7	5	-	-	10	10	2600
20	Valentia Obsy. †	1021·7	-18	W'N	4	id	62	97	5	5	-	-	10	10	450
	Roches Point ...	1019·6	-22	NW'W	4	c	67	75	8	5	-	-	9	9	2500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1010·8	-20	W'S	4	o	63	65	7	5	2	-	4-6	10	2500	0	*
Croydon	*	*	W	2	c	*	*	6	5	7	*	2-3	10	3000	*	*
S. Farnborough	*	*	W	4	c	*	*	8	7	7	*	4-6	10	4000	*	*
Boscombe Down	1012·9	-24	W	5	zo	59	92	6	6	2	-	9	10	1000	0	*
Calshot (Soton.)	1012·9	-26	WNW	4	c	63	75	7	5	2	-	4-6	10	3500	0	2
Lympne																§ 4
Manston	1009·8	-24	SSE	4	o/d	65	65	6	5	-	-	10	10	3500	0	*
Shoeburyness	1010·6	-20	WSW	4	c	65	65	6	5	7	-	4-6	10	4000	0	*
Felixstowe	1009·7	-20	W	6	c/r	65	65	7	5	7	-	7-8	10	3300	1	4
Gorleston	1007·7	-20	W'S	4	roro	58	85	6	6	-	-	10	10	1400	1	2
Mildenhall	1008·3	-28	WSW	3	roro	59	92	7	5	2	-	9	10	2500	1	*
Cranwell	1007·3	-26	WSW	4	c	59	92	7	5	-	-	10	10	2500	1	*
Birmingham	1009·9	-30	WSW	3	iro	61	85	8	6	-	-	10	10	800	0	*
Upper Heyford	1011·6	-20	WSW	4	c/r	61	75	6	5	2	-	7-8	10	1800	0	*
Ross-on-Wye	1010·8	-34	W'S	4	c	64	75	8	5	1	-	7-8	10	2500	0	*
Hartland Point	1014·7	-18	WNW	4	c	61	97	8	8	2	-	7-8	9+	1500	0	3
Bristol	1013·4	-24	W	4	c	61	85	7	5	-	-	10	10	1000	0	*
Portland Bill	1014·2	-20	WNW	3	c	62	85	8	5	2	-	7-8	10	2500	0	3
Plymouth	1016·3	-20	W'N	4	o	62	85	7	5	-	-	10	10	800	0	2
The Lizard	1018·0	-20	W	6	o	60	85	8	5	-	-	10	10	1500	0	3
Scilly (St. Mary's)	1018·6	-18	WNW	5	c	61	85	7	5	-	-	10	10	1200	0	2
Guernsey																
Pembroke	1013·9	-26	W	6	cq	61	92	7	8	2	-	7-8	10	2500	0	2
Holyhead	1009·8	-22	W	6	c/r	62	92	6	5	-	-	7-8	9+	1200	0	3
Chester (Sealand)	1008·6	-28	W	4	c/r	63	85	7	6	2	-	7-8	10	900	1	*
Manchester	1007·5	-28	W'S	5	c	61	92	7	5	3	-	7-8	10	600	1	*
Spurn Head	1004·6	-22	SW	6	o	59	92	6	6	-	-	10	10	2500	1	4
Catterick	1003·4	-22	W	4	bc	63	75	8	2	-	-	2-3	2-3	2500	1	
Tynemouth	1002·5	-10	WNW	5	bc	63	75	8	2	-	-	4-6	4-6	3200	1	2
St. Abbs Head	999·2	-2	WNW	6	bcq	62	85	8	1	4	-	2-3	2-3	3000	0	4
Leuchars	1000·3	-4	W	5	bc	64	65	8	2	-	-	2-3	2-3	2500	1	*
Renfrew (Abbots I.)	1004·2	-12	W'N	5	c	58	75	9	8	-	-	7-8	7-8	1600	1	*
Eskdalemuir	1004·0	-4	NW'W	4	bc	56	75	8	8	-	-	4-6	4-6	1500	1	*
Point of Ayre	1007·9	-8	NNW	4	c	58	97	8	8	1	-	7-8	9+	1500	1	3
Tiree	1006·8	-4	NW	4	pr	55	85	7	8	-	-	9	9	1500	1	4
Stornoway	1003·4	-4	NW	5	ir	53	92	6	8	2	-	7-8	10	1500	1	3
Dalwhinnie	1003·3	0	NW	3	bc	53	65	7	8	-	-	4-6	4-6	1500	1	*
Aberdeen	999·6	0	NW'N	4	bc	57	75	8	9	1	-	2-3	2-3	2500	1	2
Wick	998·7	+2	NW	7	pr	53	85	7	6	7	8	7-8	10	800	1	2
Lerwick	993·5	-4	W	5	iro	51	92	7	6	2	-	7-8	10	450	1	*
Blacksod Point	1014·7	-8	W'N	5	pr	59	92	7	6	-	-	10	10	<150	1	3
Malin Head	1009·6	-2	NW	5	c/pr	56	85	8	8	-	-	9	9	2500	0	4
Aldergrove	1009·2	-6	NW'W	4	c	59	85	8	5	7	-	9	9+	1400	1	*
Birr Castle	1013·2	-10	W	3	c	63	92	8	8	7	-	7-8	9	1500	0	*
Valentia Obsy. †	1018·7	-18	WNW	5	ido	61	82	6	5	-	-	10	10	800	1	3
Roches Point	1015·6	-24	NW'W	5	c	66	75	9	5	7	5	4-6	7-8	1500	0	3

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 20th. (37)	13h.—18h. 20th. (38)	18h. 20th. to 1h. 21st. (39)	1h.—7h. 21st. (40)
London (Kew)	bccd	cyc	ciroir	c
Croydon	c	c	*	*
S. Farnborough	bc	c		bcc
Boscombe Down	bcc	cmo	cidoddmo	cmobcc
Calshot (Soton.)	c	c	ccmoc	c
Lympne	bcdc		ciromoc	c
Manston	bcmoc	cidoc	crorormo	crorormo
Shoeburyness	cbczy	cprcmo	iroc	cprc
Felixstowe	bmociroy	cycirоq	ciroiridoc	ceproc
Gorleston	bcc	corоro	orocbc	bcc
Mildenhall	cmowc	cmocirocr	crorocro	ccw
Cranwell	bmocmoc	croro, crroc	cdodobc	
Birmingham	c	coiro		c
Upper Heyford	bcc	cycro	*	*
Ross-on-Wye	bce	cbcc	cqc	c
Hartland Point	bcc	c	c	c
Bristol	bcc	cido	cdodocmo	cmoc
Portland Bill	bc	c	c	c
Plymouth	bcwbc	c	ccidocirocro	ciroc
The Lizard	bcc	co	oidoc	cpr
Scilly (St. Mary's)	bbcc	cdoc	cido	cdoc
Guernsey				
Pembroke	bceq	cq	cbcq	cq
Holyhead	c	crоromojpc	cmoc	ciroc
Chester (Sealand)	ciro	cirormo	c	cpro
Manchester	mroddiro	cmororoR	pr prc	ciroc
Spurn Head	Rr	irp	cq	cq
Catterick	crrroro	rorobc	bc	bcc
Tynemouth	cpqoirr	obcq	cbc	bccq
St. Abbs Head	rrqc	cbcq		c
Leuchars	crrRRc	ccbcyb	bbcc	c.
Renfrew (Abbots I.)	cmoRRc	cirobc	*	cidoc
Eskdalemuir	coRR	irocbc		bccwc
Point of Ayre	crr	cproc	prcc	cprc
Tiree	odrir	cpr	cpr	cpro
Stornoway	crrirq	cirq	cgr	ciropr
Dalwhinnie	cbc	bc		ciro
Aberdeen	roirc	cjpbc	bbcc	*
Wick	crrcq	cprq	cprq.	cprq
Lerwick	crr	crroiro	ciroproiro	cirorpr
Blacksod Point	id	rorocq	cq	rrcq
Malin Head	cDrcddc	cidocidoc	c	proсproc
Aldergrove	ccidoc	ididoc	idocproc	c
Birr Castle	cido	cidoc	c	cpro.
Valentia Obsy. †	cidooid	oidido	oidoomo	iddodoiroc
Roches Point	bcc	idoc	cpr	cproc.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. ro, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
Solar halo. lunar halo. Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

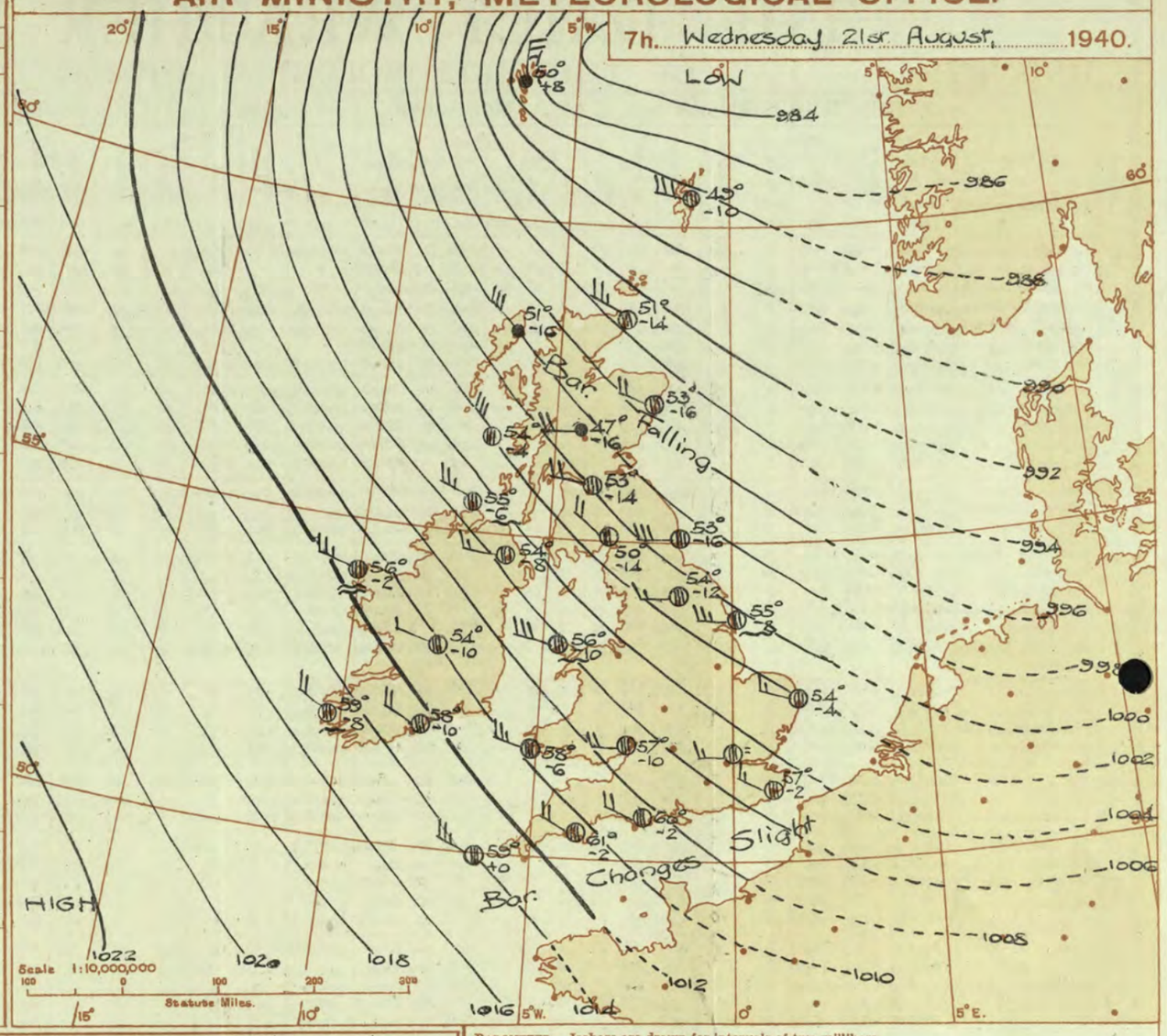
COLUMN 29.—STATE OF GROUND.

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

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 21st August 1940.



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.

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 20th August...18h. G.M.T.						01h. G.M.T. 21st August.....07h. G.M.T.					
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	6-	22737	59567	6-	13638	26588	8-	01744	28384	20	02755	25685
115	87	81735	22687	87	81735	57687	52	81735	61687	87	81735	61687
203												
206	5-	25956	24386				52	02955	57428	87	01853	25624
210	5-	21954	24554	8-	25847	59687	5-	61858	59768	8-	81837	24627
220	52	81735	28488	52	03744	28328						
230	5-	02638	25528	8-	10746	59586	51	61737	60568	87	25847	60587
245	51	02964	24468	8-	01964	26514	51	02966	26227	54	02957	23427
260				70	01863	24413	50	01763	24414	52	02866	22427
277	62	64535	28468				51	02765	25558	97	10846	60667
279												
285				9-	81737	24787				8-	03738	28628
288	62	64747	18268	70	01854	24564	50	00863	37513	52	02855	25428
273	56	63434	25668							37	10653	28713
301	--	21636	24658	83	02745	59466				83	81656	59688
321	5-	05658	23428	52	22655	23468	57	05653	26414			
299							57	05644	26514	57	02746	26327
292	52	62645	57468	87	01853	25463	50	01854	26214	51	02855	22228
310	--	51628	24528	--	57109	20149				--	02636	24526
316	57	05645	.....	6-	52528	22468	5-	02755	24355	52	22646	24368
333	67	21844	23557	6-	54568	23558	57	02855	28527	83	02846	28527
334	--	52636	22458	--	54537	22458				--	02845	24428
340	5-	02957	28427	62	22945	23568	5-	61846	60566	57	02944	28527
136				02	65648	22368	53	01763	58465	57	02764	25428
336	--	02853	24527	--	64533	20528				--	02854	28627
350	57	02856	22328	57	62855	24468				57	02766	26328
368	5-	51748	24428	5-	05648	23528	57	05645	26427	77	02855	26527
379	52	02764	24428	62	05655	53428	51	05652	57327	52	02756	26328
390	53	02765	22418	52	61655	24528				57	02745	61528
382	73	02764	23327	52	05645	22528	51	02754	26328	57	02865	25427
438	57	02764	24617							02	03758	28418
430				--	02763	26428	57	22647	24468	57	01864	24425
409				6-	02728	23558	5-	05638	26558	81	81746	30528

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

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

DISTRICTS.	FORECASTS
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate or fresh, squally northwest wind; cloudy, slight showers today, bright intervals tonight, heavier showers tomorrow: cool.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands 17 N. W. Ireland 18 N. E. Ireland	Fresh or strong squally northwest wind; cloudy, showers with local hail and perhaps thunder, brighter intervals; cool.
19 S. E. Ireland 20 S. W. Ireland	As 1-6

GENERAL INFERENCE.

A deep depression east of the Faeroes is moving slowly southeast. Squally northwest wind will continue with showers at most places though they will be slight in the South to-day.

FURTHER OUTLOOK.

Showers and bright intervals; local thunder.

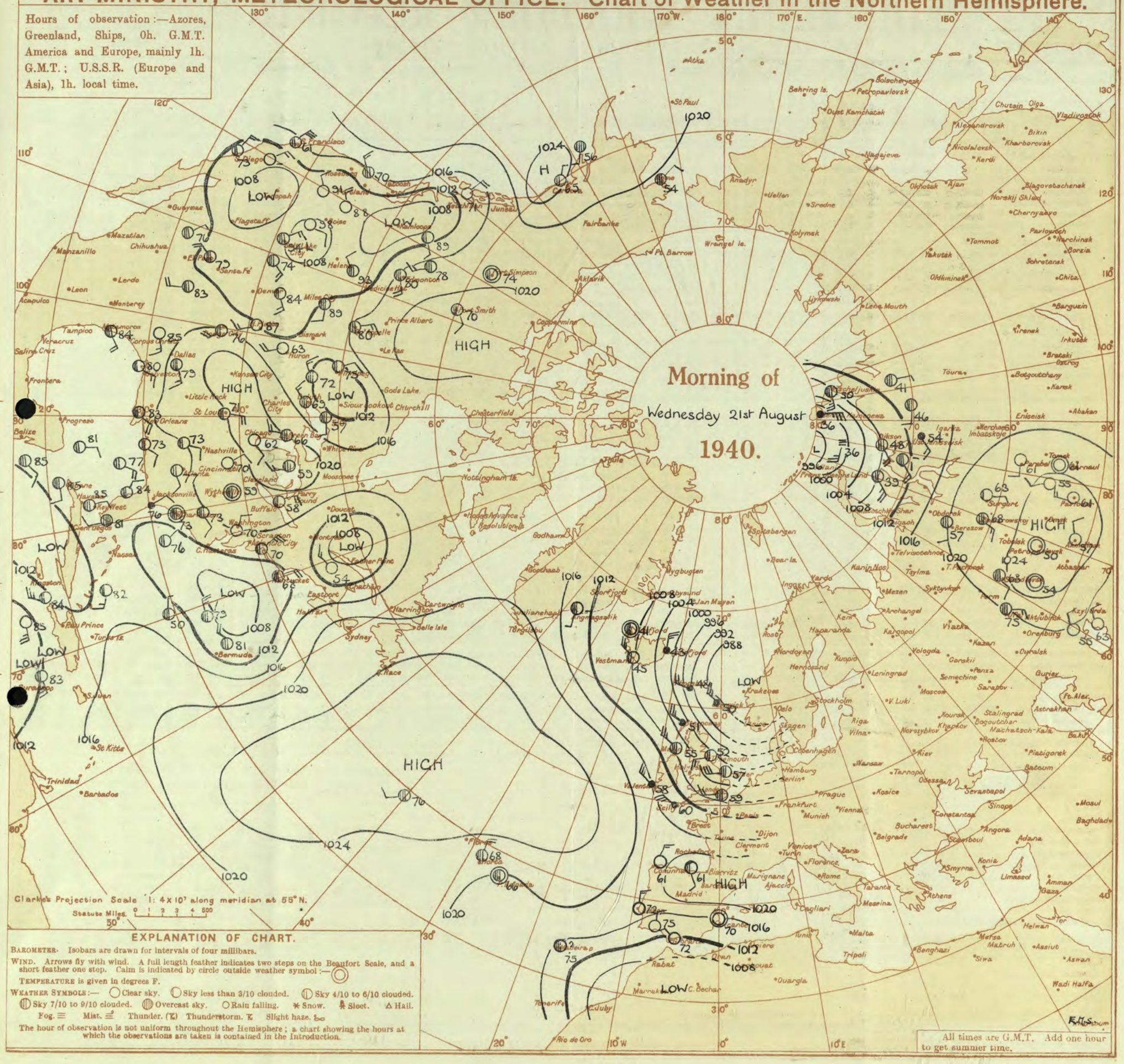
Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation :—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 21st August, 1940.

No. 28762

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon	217	*	*	W	2	c/r	*	*	7	5	-	*	9+	9+	800
	S. Farnborough	226														
	Boscombe Down	417	1007·9	-22	W'N	4	Zo	60	92	6	5	2	-	7·8	9+	1800
	Calshot (Sthmtn.)	8	1008·2	-22	W'N	4	c	62	92	7	5	7	-	4·6	9+	2500
	Lympne	346	1007·4	-20	W	3	c	59	92	7	5	-	-	9+	9+	500
	Manston	154	1005·0	-20	W'N	4	Zo	61	85	6	5	-	-	10	10	1500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1004·2	-18	W'N	5	c	62	85	7	5	3	-	4·6	9+	2500
	Gorleston	5	1003·6	-14	NW'W	4	bc	58	85	7	2	5	-	2·3	4·6	1500
	Mildenhall	19	1004·3	-8	W'N	4	c	59	85	7	5	7	-	7·8	7·8	1500
	Cranwell	240	1005·0	+2	NW	3	bc	55	85	7	5	-	-	4·6	4·6	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1007·4	-14	WNW	2	c	59	85	7	5	1	-	4·6	9	2200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1011·4	-8	NW	4	c	61	92	8	8	4	-	4·6	7·8	1500
	Bristol	209	1009·0	-10	WNW	4	Zo	60	92	6	5	7	-	2·3	9+	2800
	Portland Bill	32	1010·4	-26	W	4	c	62	92	8	5	4	-	4·6	7·8	2500
	Plymouth	82	1012·1	-20	WNW	4	iro	63	85	7	5	7	-	9	10	800
	The Lizard	240	1014·0	-10	WNW	5	c	59	97	6	5	2	-	9	10	1000
	Scilly (St. Mary's)	163	1014·8	-12	NWW	5	ido	60	97	7	5	2	-	7·8	9+	1200
	Guernsey	175														
6	Pembroke	142	1011·1	0	WNW	5	bcq	60	85	7	8	7	-	2·3	4·6	2500
7	Holyhead	26	1008·3	-10	WNW	6	c	58	85	8	8	-	-	10	10	2500
	Chester (Sealand)	16	1007·8	-2	NW'W	6	c	59	65	7	5	2	-	9	10	2500
8	Manchester	70	1005·7	-12	WNW	5	c	55	85	7	5	-	-	7·8	9+	2000
10	Spurn Head	29	1002·4	-6	W	6	cq	57	85	6	4	-	-	9	9	2500
	Catterick	175	1003·6	-2	W	2	bc	52	85	7	5	-	-	2·3	2·3	4000
	Tynemouth	108	1002·4	-4	W	3	bc	52	85	6	2	-	-	2·3	2·3	3200
11	St. Abbs Head	280														
	Leuchars	36	1000·4	-8	W	3	c	55	65	8	5	7	-	7·8	9+	2500
12	Renfrew (Abbots I.)	19	1003·2	-10	WSW	4	c	53	85	8	5	1	-	7·8	9+	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1006·0	-10	NW	6	c	56	85	8	8	1	-	4·6	9	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1001·5	-18	NW	5	ir	51	92	6	8	2	-	9	10	800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	996·8	-8	NW	5	pr	51	92	7	8	7	8	7·8	9+	800
16	Lerwick	156	990·8	-14	NW	5	iro	50	92	6	5	2	-	7·8	10	800
17	Blacksod Point	18	1013·0	-4	WNW	5	cq	56	92	7	9	-	-	10	10	800
18	Malin Head	84	1007·7	-10	NW'N	5	c	55	65	8	4	6	-	4·6	7·8	5700
	Aldergrove	268	1007·7	-10	WNW	4	c	55	75	8	8	-	-	10	10	2500
19	Birr Castle	173	1012·8	-6	W'N	3	c	57	85	8	5	-	-	9	9	2500
20	Valentia Obsy.	30	1017·4	-6	NW'N	5	id	58	92	6	5	-	-	10	10	800
	Roches Point	22	1014·3	-4	NW'W	4	pr	58	92	8	3	-	-	7·8	7·8	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1004·8	-6	WNW	3	c	58	65	8	5	-	8	9	9+	1500	1	*
Croydon	*	*	W	3	c	*	*	8	6	-	-	10	10	3000	*	*
S. Farnborough	1005·8	-6	W	2	c	57	65	8	5	3	6	7·8	9+	5000	0	*
Boscombe Down	1006·8	-2	WNW	3	c	56	85	8	5	3	-	7·8	7·8	4000	1	*
Calshot (Sthmtn.)	1006·8	-2	WNW	4	c	59	75	7	5	7	2	4·6	9+	2500	0	2
Lympne	1005·9	-2	NW	3	c	57	75	7	5	1	-	4·6	10	2000	0	§2
Manston	1003·6	+2	NW'N	5	Zo	59	65	6	5	7	-	7·8	10	1200	0	*
Shoeburyness	1004·9	-4	W'N	4	c	58	75	8	5	7	-	7·8	10	4000	0	*
Felixstowe	1002·9	-2	WNW	4	c	57	75	7	5	2	-	7·8	10	4000	0	3
Gorleston	1002·2	-4	WNW	3	c	54	75	6	5	5	-	4·6	9+	1500	1	2
Mildenhall	1002·9	-6	W	4	c	55	85	8	5	2	-	7·8	10	3500	1	*
Cranwell																*
Birmingham	1004·6	-10	WNW	4	c	55	75	8	5	7	-	4·6	10	1500	0	*
Upper Heyford	1005·4	-12	W'N	4	c	55	75	8	5	7	-	7·8	9	2500	1	*
Ross-on-Wye	1006·3	-10	W	4	c	57	75	8	5	7	8	7·8	9	2500	0	*
Hartland Point	1009·7	-8	NW	5	c	59	75	8	8	6	-	4·6	9+	1500	0	2
Bristol	1007·6	-10	WNW	3	c	57	75	8	5	7	-	7·8	10	3200	0	*
Portland Bill	1009·2	-2	WNW	4	c	60	75	8	5	7	-	4·6	10	4000	0	3
Plymouth	1010·5	-2	NW	4	c	61	75	8	6	-	-	6	10	1400	1	2
The Lizard	1012·3	0	W'N	4	pr	59	92	8	3	2	5	9	10	1500	1	2
Scilly (St. Mary's)	1013·2	0	NW'W	5	c	59	92	7	8	4	7	4·6	10	1000	0	3
Guernsey																
Pembroke	1009·0	-6	NW'W	5	cq	58	85	8	8	2	-	7·8	10	1500	0	3
Holyhead	1006·2	-10	WNW	6	c/r	56	85	8	5	3	-	9	9+	1800	0	4
Chester (Sealand)	1004·7	-10	WNW	5	c/pr	56	75	8	8	2	-	9	10	1500	0	*
Manchester	1003·4	-14	NW'W	5	ido	55	75	7	5	-	-	7·8	10	1800	1	*
Spurn Head	1000·3	-8	W'S	5	cq	55	85	7	5	-	-	9+	9+	2500	0	4
Catterick	1000·7	-12	W	3	c	54	86	8	5	2	-	7·8	9+	1800	0	*
Tynemouth	999·9	-16	W	6	cq	53	85	7	8	-	-	9+	9+	2100	1	1
St. Abbs Head	997·5	-18	WNW	5	c	53	85	8	5	2	-	7·8	10	2500	0	3
Leuchars	997·4	-14	SW	3	c	54	75	8	5	-	-	9+	9+	2500	0	*
Renfrew (Abbots I.)	1000·7	-14	WNW	4	c	53	75	8	5	3	6	7·8	9+	2500	1	*
Eskdalemuir	1000·1	-14	NW'N	4	c	50	85	8	5	7	-	7·8	9+	1500	1	
Point of Ayre	1003·5	-14	NW'N	6	c	55	85	8	8	1	*	4·6	10	2500	1	4
Tiree	1003·2	-4	NW'N	6	c	54	75	7	8	-	-	9	9	1200	0	5
Stornoway	998·3	-16	NW	6	pr	51	75	7	8	5	-	4·6	7·8	1500	1	3
Dalwhinnie	999·0	-16	W	4	iro	47	75	7	4	4	6	2·3	9	1500	1	*
Aberdeen	995·5	-16	WNW	4	c	53	65	8	9	-	-	9	9	1500	1	2
Wick	993·5	-14	NW	5	c/pr	51	85	7	8	7	8	4·6	7·8	800	1	3
Lerwick	988·7	-10	WNW	5	c/pr	49	85	8	8	7	-	4·6	7·8	800	1	*
Blacksod Point	1011·9	-2	WNW	5	cq	56	92	7	5	-	-	10	10	<150	1	7
Malin Head	1005·7	-6	NW	5	c	55	75	8	6	-	-	7·8	7·8	5700	0	4
Aldergrove	1005·5	-8	W'N	3	c	54	76	8	5	7	-	9	9+	2500	1	*
Birr Castle	1010·7	-10	WNW	1	c/pr	54	97	8	8	1	-	7·8	9+	1500	0	*
Valentia Obsy.	1015·1	-8	NW'N	4	c	59	92	7	5	-	-	9+	9+	1500	1	4
Roches Point	1011·8	-10	NW	4	c/pr	58	92	8	8	-	-	9+	9+	1500	0	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 20th Hrs. (36)
London (Kew)	68	58	52	-	1	4·3
Croydon	*	*	*	*	*	*
S. Farnborough	*	57	53	*	Tr	*
Boscombe Down	65	55	52	-	0·5	3·7
Calshot (Sthmtn.)	68	57	54	-	-	4·8
Lympne	*	*	*	*	0·2	5·4
Manston	67	58	56	Tr	Tr	3·3
Shoeburyness	68	57	53	Tr	0·2	3·0
Felixstowe	66	56	55	0·1	0·5	2·4
Gorleston	61	53	49	1	3	2·3
Mildenhall	64	53	50	1	1	1·4
Cranwell	62			0·2		
Birmingham	63	54	50	Tr	0·5	0·2
Upper Heyford	66	55	51	Tr	0·2	*
Ross-on-Wye	66	56	54	-	-	3·2
Hartland Point	63	58	53	-	-	2·7
Bristol	68	65	53	Tr	Tr	4·0
Portland Bill	64	58	*	-	-	*
Plymouth	68	59	56	-	1	5·5
The Lizard	66	58	*	-	Tr	7·3
Scilly (St. Mary's)	68	59	*	Tr	Tr	6·3
Guernsey						
Pembroke	61	57	*	-	-	1·5
Holyhead	63	55	55	0·1	Tr	0·0
Chester (Sealand)	67	56	53	1	Tr	0·3
Manchester	61	54	50	4	1	0·3
Spurn Head	60	53	*	8	-	0·1
Catterick	64	52	46	2	-	1·9
Tynemouth	63	51	46	10	-	*
St. Abbs Head	65	51	*	9	-	*
Leuchars	69	51	48	12	-	4·4
Renfrew (Abbots I.)	62	52	49	26	Tr	1·0
Eskdalemuir	63	49	47	18	-	1·8
Point of Ayre	62	53	*	2	0·5	0·0
Tiree	59	51	*	9	0·4	0·1
Stornoway	58	51	*	1	1	1·3
Dalwhinnie	62	47	44	8	0·3	4·9
Aberdeen	66	52	49	1	-	2·1
Wick	59	49	*	7	2	*
Lerwick	55	46	*	9	1	0·0
Blacksod Point	62	54	*	0·3	0·6	*
Malin Head	60	50	*	2	0·1	0·0
Aldergrove	63	53	51	Tr	Tr	0·0
Birr Castle	66	54	53	Tr	0·2	0·1
Valentia Obsy.	63	57	52	Tr	0·6	0·0
Roches Point	68	58	*	Tr	0·5	*

LONDON OBSERVATIONS

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

Station	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	bccy	cyc	ciroirc	68	58	52	—	1	4·3	•	•	8
Croydon	217	c	c	*	*	*	*	*	*	*	•	•	8
Greenwich (Royal Observatory)	149	cy	cy	circ	68	58	54	-	0·5	3·1	53	58	7
City (Bunhill Row)	—	•	•	•	•	•	•	•	•		•	•	•
Westminster (St. James' Park)	27	•	•	•	69	59	55	0·4		3·9	71	72	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	68	58	55	-	0·2		65	65	•
Camden Square	110	bc	c	•	68	58	53	—	0·5	•	•	61	•
Kensington	80	bcc	c	•	69	58	55	-	0·5		48	59	•
Hampstead Observatory	450	bc	or	o	67	53	51	0·3	-		•	77	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 21st

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.
<0·1 whole period			

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris														
Brussels														
Berlin														
Zürich														
Rome											•	•		

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 —Code for surface visibility.

Objects not visible at
0 Dense fog 55 yards.
1 Thick fog 220 ,,
2 Fog 550 ,,
3 Moderate fog 1,100 ,,
4 Mist or haze 1½ miles.
5 Poor visibility 2½ ,,
6 Moderate ,, 6¼ ,,
7 Good ,, 12½ ,,
8 Very good ,, 31 ,,
9 Excellent ,, beyond 31m.

COLUMN 30 —Code for State of Sea.
0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Preciptious.
4 Rough. 9 Confused.

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

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

SECRET

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 22nd August 1940.

No. 28763.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1002.7	-14	NW'W	3	c	63	45	8	0	1	8	7-8	9+	2500
	Croydon ...														
	S. Farnborough	1003.2	-18	W'N	4	c	63	55	8	8	-	7	7-8	9+	4000
	Boscombe Down	1004.3	-14	NW'W	5	c	63	55	9	5	-	8	7-8	9+	2500
	Calshot (Soton.)	1004.7	-14	W'N	4	c	63	65	8	8	-	-	9+	9+	2500
	Lympne ...	1003.2	-18	W	4	c	64	75	8	2	7	-	7-8	9+	2500
	Manston ...	1001.4	-10	W'N	5	c	61	55	7	5	7	-	7-8	10	1500
2	Shoeburyness ...	1002.5	-16	W'N	4	c	62	55	8	8	7	2	7-8	9+	4000
	Felixstowe ...	1000.8	-10	WNW	5	pr	60	65	7	8	-	-	10	10	2500
	Gorleston ...	999.6	-20	W'N	4	c	58	75	6	8	-	-	9+	9+	1500
	Mildenhall ...	1000.6	-14	W'N	5	c	60	65	7	8	1	-	9	10	2900
	Cranwell ...	1000.2	-14	NW	4	c	60	65	7	5	-	-	10	10	2500
3	Birmingham	1003.5	-4	NW	4	c	58	55	8	8	7	-	7-8	9+	2500
	Upper Heyford	1003.3	-10	W'N	6	c	68	45	8	8	1	-	7-8	9+	2500
4	Ross-on-Wye ...	1004.9	-8	W'N	6	cq	62	45	8	7	-	2	7-8	9	2500
5	Hartland Point	1008.5	-8	NW	5	c	60	75	8	8	6	-	7-8	9+	1500
	Bristol ...	1005.9	-6	NW'W	4	c	60	63	8	8	7	8	7-8	9	2500
	Portland Bill ...	1007.2	-12	W	4	c	60	75	8	5	-	-	10	10	4000
	Plymouth ...	1009.4	-8	NW'N	4	pr	59	85	7	8	-	-	9+	9+	700
	The Lizard ...	1011.5	-6	WNW	6	c	62	85	8	8	6	-	7-8	9+	2500
	Scilly (St. Mary's)	1012.3	-8	NW'W	5	c	64	75	7	8	7	-	7-8	9+	1200
	Guernsey ...														
6	Pembroke ...	1009.1	-4	NW'W	6	cq	61	75	8	8	2	-	7-8	10	1500
7	Holyhead ...	1005.2	-8	WNW	6	c	60	65	8	8	3	-	7-8	9+	2500
	Chester (Sealand)	1004.3	-2	WNW	6	c	59	55	8	8	-	-	10	10	2200
8	Manchester ...	1001.6	-14	WNW	6	c/pr	59	65	7	8	4	6	4-6	9	2500
10	Spurn Head ...	997.3	-22	WNW	6	cq	54	75	7	5	-	-	7-8	7-8	2500
	Catterick ...	998.4	-18	W	5	bc/pr	59	92	9	8	6	-	2-3	4-6	2500
	Tynemouth ...	997.3	-8	W	6	bcq	60	65	8	2	-	-	4-6	4-6	3400
11	St. Abbs Head	994.8	-18	NW	5	bc	57	55	8	2	4	-	4-6	4-6	2500
	Leuchars ...	994.6	-18	NW	4	c	59	55	9	8	7	-	4-6	7-8	2200
12	Renfrew (Abbots I.)	999.1	-4	NW	6	bc/pr	58	65	8	8	3	6	4-6	4-6	2000
	Eskdalemuir ...	997.9	+4	NW	6	c	57	55	8	8	4	-	7-8	7-8	2500
	Point of Ayre ...	1002.8	-2	NW'N	7	c	58	75	8	8	6	3	4-6	9+	2500
13A	Tiree ...	1002.8	0	NW	7	bc	56	65	7	8	6	-	4-6	4-6	1500
13B	Stornoway ...	997.5	+14	NW	8	iR	58	85	6	5	7	7	4-6	10	1000
15	Dalwhinnie ...	997.4	-10	W	5	iro	48	75	7	5	-	-	10	10	1500
	Aberdeen ...	992.7	-18	NW	4	pr	52	75	8	9	-	-	9+	9+	1500
	Wick ...	988.3	-32	WNW	6	rr	52	97	6	8	2	-	7-8	10	450
16	Lerwick...	989.3	+14	ENE	4	c	52	75	8	8	7	-	4-6	7-8	1500
17	Blacksod Point..	1012.9	+8	NW	5	c	60	75	8	3	-	9	4-6	9	1500
18	Malin Head ...	1006.1	+2	NNW	6	c/pr	56	75	7	9	-	-	7-8	7-8	4000
	Aldergrove ...	1005.4	0	WNW	6	c	58	55	8	8	-	6	9	9+	2500
19	Birr Castle ...	1010.5	0	NNW	4	c	61	65	8	8	7	-	4-6	7-8	1500
20	Valentia Obsy. †	1015.7	+2	NW'N	6	c	60	75	8	5	-	-	10	10	2500
	Roches Point ...	1010.8	-6	NW	6	c	63	75	8	8	1	5	4-6	7-8	1500

OBSERVATIONS at 18h. G.M.T. 21st August — PAST 24 HOURS.

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	Weather 7h.—18h. 21st (37)	Weather 13h.—18h. 21st (38)	Weather 18h. 21st to 1h. 22nd (39)	Weather 1h.—7h. 22nd (40)
London (Kew)	1001.4	-6	NW'W	4	iro	62	45	7	5	-	-	9+	9+	1500	0	*	ccy	cycir	circym	c
Croydon	[illegible]		W'N	3	c			8	5	3						*				
S. Farnborough	1002.2	-4	WNW	5	c	62	45	8	8	-	8	4-6	7-8	3000	0	*	cy	cy	cpry	irbc
Boscombe Down	1003.5	0	NW'W	5	c	60	55	8	5	7	7	4-6	9	3000	0	*	c	cy	cbcc	cidcbc
Calshot (Soton.)	1003.4	0	NW	6	c	61	55	8	7	7	8	2-3	9+	2500	0	3	c	cqy	cybcc	cbc
Lympne	1001.6	-4	WNW	2	c	59	45	8	8	-	-	9+	9+	4500		§3	c	cy	bcyc	cbcb
Manston	999.8	0	WNW	6	c	59	55	8	5	7	-	9	9+	4000	0	*	czycy	cy	bcc	bcc
Shoeburyness	1001.1	-4	W'N	5	pr	58	55	8	6	7	-	7-8	10	4000	0	*	cy	cyirc	brbc	bcbc
Felixstowe	999.3	-8	WNW	6	c/pr	58	55	8	8	7	-	1	7-8	2500	1	2	ccirc	prbc	prqbcy	bcb
Gorleston	997.6	-2	WNW	4	bc	57	65	7	5	-	-	2-3	2-3	1500	0	2	c	cprbc	cpr	cprq
Mildenhall	998.7	-10	WNW	5	c	59	55	8	8	3	-	4-6	7-8	3500	0	*	cwc	ccy	c	ccpr
Cranwell	999.2	-2	NW	6	bcq	57	55	7	3	6	3	2-3	2-3	2000	1	*	c	cprq,bcy	cbc	circ
Birmingham	1002.8	-2	NW	5	c	57	55	7	8	7	-	7-8	7-8	2500	0	*	c	cpr	c	c
Upper Heyford	1002.6	0	NW'W	4	bc	59	45	8	8	-	1	2-3	4-6	2500	0	*	ccy	cbcy	cbcc	cPRprbc
Ross-on-Wye	1004.8	+4	WNW	5	cq	58	55	8	8	-	8	2-3	7-8	2500	0	*	c	cqy	bcqbqc	c
Hartland Point	1008.3	-4	NW	5	c	61	85	8	8	6	-	4-6	9	1500	0	4	cp	c	cbc	bccp
Bristol	1005.1	+2	NW	4	c	60	65	9	2	-	8	4-6	9	3000	0	*	c	cy	cbcq	cbcq
Portland Bill	1006.0	-8	W	4	c	62	85	8	5	-	-	10	10	4000	0	3	c	c	cbc	cbc
Plymouth	1008.8	-2	NW'W	5	c	63	65	8	8	3	8	4-6	9+	1400	1	2	ciro	ciroc	cbc	c
The Lizard	1010.9	-4	NW'W	6	c	62	75	8	8	6	-	7-8	7-8	2500	0	3	c	c	bc	c
Scilly (St. Mary's)	1011.9	-8	NW'W	5	c	61	85	7	8	7	4	7-8	9+	1000	0	3	c	c	cbc	bcc
Guernsey																				
Pembroke	1008.7	0	NW	6	cq	61	85	8	8	7	-	7-8	9+	1500	0	3	cq	co	bccq	cq
Holyhead	1006.0	+10	NW	6	c	58	75	8	2	-	6	4-6	9	2500	0	4	c	cproc	cproc	cbcc
Chester (Sealand)	1003.1	+2	WNW	7	c/pr	58	50	7	8	-	-	9	9	2500	0	*	c	cyproc	kcprPRc	c
Manchester	1001.4	0	WNW	6	c	56	65	7	8	4	-	7-8	7-8	2800	0	*	cqpr	cqprpr	cbc	bccm
Spurn Head	995.9	-6	W'N	7	cq	59	65	8	5	-	-	7-8	7-8	4000	0	5	qir	cq	cqiro	irR
Catterick	997.6	+2	W	5	c	57	65	7	4	6	-	7-8	9	4000	0		iroproc	cprbc	cbciro	cirbc
Tynemouth	996.4	-4	W	5	c/pr	57	65	7	8	-	-	9	9	2500	1	2	cbco	bccRoq	cpc	coirc
St. Abbs Head	994.1	+4	W	5	c/pr	54	85	8	5	2	-	7-8	10	1800	1	3	irocy	cropr		bcqbcq
Leuchars	995.5	+14	WNW	5	c	57	65	8	5	7	-	7-8	10	4000	0	*	ccy	cyccyr	cbcc	cbc
Renfrew (Abbots I.)	999.1	+2	NW'W	8	bc	55	75	8	7	3	-	2-3	4-6	2000	1	*	cqprbc	bcprbc	bcc	bcbbcb
Eskdalemuir	997.1	-4	NNW	7	bc	52	65	8	5	-	-	4-6	4-6	2500	1	*	cbcy	bcpr	bc	bc
Point of Ayre	1002.6	0	NW'N	8	c	57	85	8	4	4	9	4-6	7-8	1500	0	5	cpr	bccq	cbcbc	bcbq
Tiree	1005.4	+14	NW'N	7	c	54	75	7	8	-	-	9+	9+	1500	0	5	cpr	c	cpro	cbc
Stornoway	1002.6	+28	NNW	8	iro	54	70	7	8	7	4	9	9+	800	-1	4	cir	iric	ciro	ciro
Dalwhinnie	999.6	+26	NW	2	iro	49	85	7	5	-	-	10	10	800	1	3*	cbcir	ciro	cir	oirc
Aberdeen	994.1	+34	N'W	5	c/pr	52	75	8	8	1	-	7-8	7-8	2500	0	3*	cpr	cpr	cir	cir
Wick	995.9	+40	NW	8	cq	52	75	8	8	7	1	4-6	9	800	1	3	c	rprcq	crcpr	cprcq
Lerwick	994.6	+22	NW	4	c	53	85	8	8	7	-	4-6	9	1500	1	*	cpr	cbcc	cidir	cpr
Blacksod Point	1014.8	+10	NNW	6	c	57	75	7	3	-	-	7-8	7-8	1500	0	4	c	c	cbc	bc
Malin Head	1008.5	+16	NNW	7	c/pr	54	85	7	3	6	-	4-6	7-8	4000	0	5	cprcjpc	ccjpcc	ccprc	c
Aldergrove	1006.6	+10	NW	6	cjp	55	65	8	9	-	1	9	9+	1800	1	*	cprcy	cyprjp	prprc	cbbc
Birr Castle	1011.8	+12	NNW	4	c	59	55	8	2	-	5	2-3	9	1500	0	*	c	cy	bc	cbc
Valentia Obsy. †	1016.6	+6	N	6	c	60	75	8	8	3	9	9	9	2500	0	4	cprc	cproc	cbccbc	bcprbcb
Roches Point	1012.0	+12	N'W	6	bc	61	65	8	5	-	5	2-3	4-6	2500	0	3	c	bc	bcb	b

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_o, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
Solar halo. lunar halo. Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

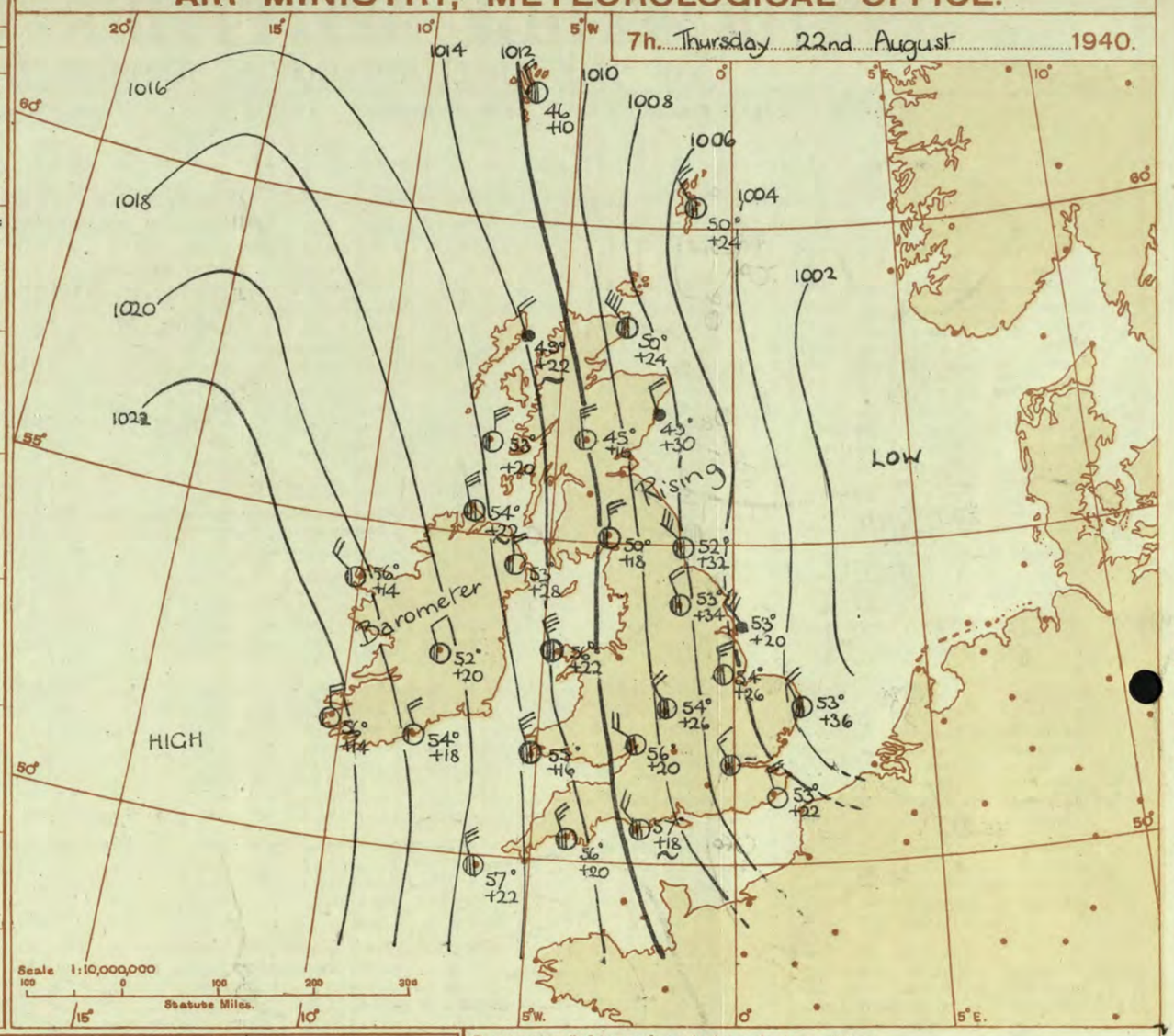
NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 21st August			18h. G.M.T.			01h. G.M.T. 22nd August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	8-	22745	28665	8-	61528	68585				8-	25645	61685
115	52	82635	61887	87	82734	61687	87	82735	63687	87	81845	63687
203												
206	87	25854	59685	87	25854	28385	5-	01854	32324	5-	02965	30225
210	8-	81548	5785.	8-	25845	63685	8-	02748	61688	8-	01855	61625
220	83	25854	29585	93	81745	29686				83	02855	30526
230	86	25854	61685	86	10747	61688	5-	01853	62783	8-	01855	61615
245	83	02955	28387	46	02953	65583	5-	22748	63768	84	01954	63664
260	80	02965	57515	74	01964	60515	5-	02956	28415	50	01963	32414
277	87	81846	60787	84	25744	94885				80	01951	30713
279												
285	8-	25846	28686	84	25745	28787				70	01844	32514
288	87	25854	28524	77	02864	58628	51	51754	28528	57	02655	28567
273	18	01762	27784							14	01762	31204
301	87	02655	28587	8-	81657	61687	80	02756	62786	26	01752	64614
321	81	02755	59527				53	05664	57515	87	02755	61527
299				8-	02756	04616	5-	05644	31764	6-	64538	63768
292	86	81844	28585	86	01854	60514	5-	02866	59326	53	02956	28567
310	--	02636	26626	--	02636	26516						
316	8-	22747	26467	84	02754	59525	70	01653	26313	54	01754	63415
333	87	02553	61527	77	02563	61525	5-	61758	61628	83	02856	63626
334	--	02856	28627	--	02860	28526				--	02845	26427
340	87	02944	28522	8-	10856	61686	5-	62647	61567	83	10844	27415
136	7-	02757	26517	8-	82638	93688	5-	02867	27687	57	82735	30487
336	--	03853	28627	--	02858	28626				--	02853	28517
350	57	02845	59427	67	02754	59585				50	02846	61426
368	77	02845	28487	51	02854	61528				84	25743	29484
379	21	02844	59515	20	10754	26425	62	61647	26468	5-	02747	28517
390	77	02764	26527	83	25755	26586	5-	02756	59626	5-	02757	28617
382				83	81855	59587	5-	02868	28528	63	02844	26425
438	8-	03758	26528							80	02855	30315
430							03	02790	26415			
409	87	02846	28688	85	02743	28526	8-	01843	61613	8-	02857	61527

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd August, 1940.
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. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Fresh or strong squally N.N.W wind, moderating later; cloudy, local showers, especially near East Coast; bright intervals, chiefly night and morning; cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate N.W. wind, fresh locally at first, backing west; fair today, probably light rain tomorrow; rather cool.

GENERAL INFERENCE.

A depression to eastward is moving away and becoming less deep, and a wedge of high pressure is approaching West Ireland. Wind will decrease tonight, and weather will continue cool, with local showers chiefly near the East Coast.

FURTHER OUTLOOK.

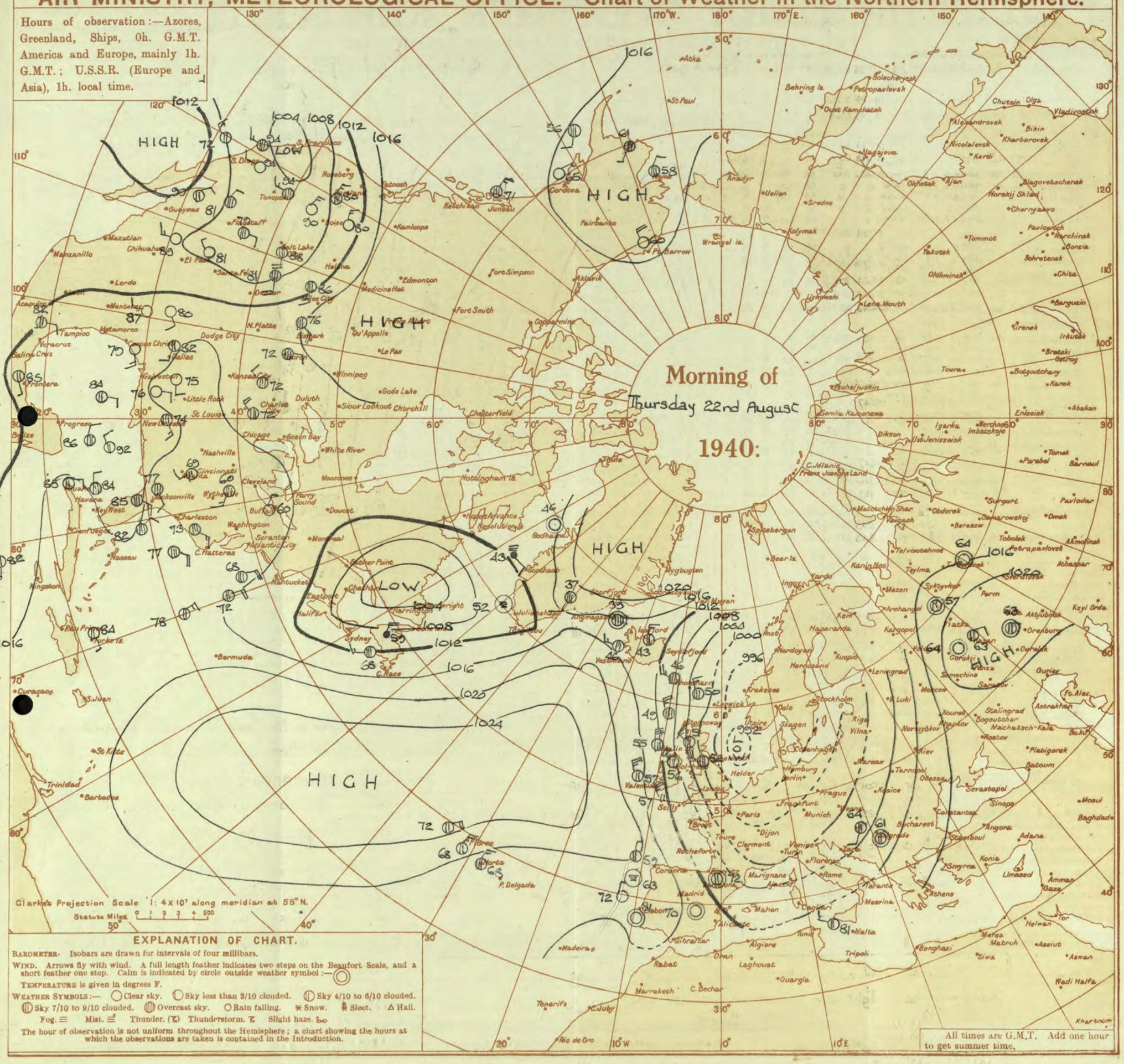
Rather unsettled, but not much rain in the South. Less wind and somewhat higher temperature.

Forecasts issued at 1030h G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 22nd August 1940.

No. 28,763

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217			NW	3	c			7	5	-	-	10	10	2500
	S. Farnborough	226	1004.6	+6	WNW	4	c	55	55	8	5	-	-	10	10	4000
	Boscombe Down	417	1005.8	+4	NW'W	5	c	55	65	7	5	-	-	9+	9+	3000
	Calshot (Sthmtn.)	8	1005.7	+8	WNW	4	c	57	65	7	5	5	-	2-3	9+	5700
	Lympne ...	346	1002.7	+2	NW'W	4	c	55	65	8	5	-	-	10	10	1600
	Manston ...	154	1000.7	+2	NW'W	6	c	58	65	7	5	-	-	10	10	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	999.8	+2	NW'W	6	c	55	75	8	5	-	-	7-8	7-8	3500
	Gorleston ...	5	998.2	-2	NW'W	4	c/pr	54	85	7	8	-	-	10	10	1500
	Mildenhall ...	19	1000.6	+10	NWW	5	c	55	65	7	5	1	-	7-8	9	4000
	Cranwell ...	240	1001.7	+16	NW	4	bc	53	75	7	5	-	-	4-6	4-6	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1004.4	+14	NW	5	c	53	75	8	5	-	-	10	10	2200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1010.9	+12	N	5	bc	57	65	8	5	-	-	4-6	4-6	2500
	Bristol ...	209	1007.6	+10	WNW	5	c	55	65	8	5	7	-	9	9+	4000
	Portland Bill ...	32	1007.6	+12	WNW	5	bc	60	85	8	5	-	-	2-3	2-3	4000
	Plymouth ...	82	1010.9	+8	NW	4	bc	58	65	7	5	7	-	1	4-6	2000
	The Lizard ...	240	1012.7	+10	NNW	6	bc	56	65	8	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1014.1	+12	NNW	5	bc	57	70	7	4	-	9	2-3	4-6	1500
	Guernsey ...	175														
6	Pembroke ...	142	1011.5	+10	NW	6	cq	56	65	8	8	-	-	7-8	7-8	2500
7	Holyhead ...	26	1009.0	+18	NW	7	c/pr	56	75	7	5	-	-	10	10	2500
	Chester (Sealand)	16	1006.1	+16	NW	7	c/pr	53	75	7	8	-	-	9	9	2800
8	Manchester ...	70	1004.8	+18	NW	4	bc	54	85	7	5	-	-	2-3	4-6	3500
10	Spurn Head ...	29	998.4	+10	WNW	8	cq	52	85	7	6	-	-	7-8	7-8	800
	Catterick ...	175	1008.0	+30	NW	3	h	54	65	8	5	-	-	10	10	2700
	Tynemouth ...	108	1002.1	+32	NW	5	c	51	85	6	8	-	-	9+	9+	2500
11	St. Abbs Head	280	1001.3	+20	NW	6	cq	54	75	8	5	2	-	7-8	9	1800
	Leuchars ...	36	1004.1	+34	N	4	c	56	75	8	5	-	-	10	10	2200
12	Renfrew (Abbotsl.)	19	1007.1	+30	WNW	3	bc	53	85	8	5	-	-	2-3	2-3	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1006.7	+26	N'W	6	bc	55	92	8	5	-	-	2-3	2-3	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1011.1	+4	NNW	5	c	49	45	8	5	7	-	4-6	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1004.7	+34	NW	8	c/pr	51	92	7	8	7	-	7-8	9+	800
16	Lerwick ...	156	1001.3	+26	N'W	3	c	50	85	8	8	3	-	4-6	7-8	1500
17	Blacksod Point	18	1018.5	+18	N'W	5	bc	55	75	8	3	-	-	2-3	2-3	1500
18	Malin Head ...	84	1013.4	+22	N	6	c	55	75	8	4	6	-	4-6	7-8	5700
	Aldergrove ...	268	1011.2	+18	NW	5	c	54	75	8	2	3	-	4-6	7-8	2500
19	Birr Castle ...	173	1015.6	+12	NW	2	bc	51	85	8	5	4	-	2-3	4-6	2500
20	Valentia Obsy.	30	1019.9	+14	N'W	5	bc	57	92	7	7	-	-	2-3	2-3	2500
	Roches Point	22	1016.8	+16	NNW	5	b	54	85	8	-	-	-	0	0	-

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	1007.9	+20	NW	3	c	56	75	7	5	-	-	9+	9+	2500	0	*
	Croydon ...			NW	3	c			7	9	-	-	10	10	2800		*
	S. Farnborough	1008.7	+22	WNW	3	c	54	75	8	5	-	-	7-8	10	2000	0	*
	Boscombe Down	1010.2	+26	NW'W	3	bc	55	76	8	5	-	-	4-6	4-6	3500	0	*
	Calshot (Sthmtn.)	1009.4	+22	NW	4	bc	56	75	8	4	4	-	2-3	4-6	4000	0	2
	Lympne ...	1006.4	+22	NW'N	4	b	53	75	8	-	-	-	0	0	-	0	§3
	Manston ...	1005.0	+26	NW'N	6	c	55	75	8	5	7	-	7-8	7-8	1000	0	*
2	Shoeburyness ...	1006.6	+32	NW'W	4	c	54	75	8	5	-	-	9+	9+	2500	0	*
	Felixstowe ...	1004.0	+34	NW'N	5	b	53	75	8	5	-	-	1	1	1500	1	2
	Gorleston ...	1003.1	+36	NW	4	c/pr	53	85	7	8	-	-	7-8	7-8	1500	1	2
	Mildenhall ...	1005.7	+30	NW	3	pr	51	87	8	8	1	-	7-8	9	1500	1	*
	Cranwell ...	1007.4	+26	N	5	c	54	75	7	5	-	-	9+	9+	1000	0	*
3	Birmingham ...	1010.2	+26	NW	4	c	54	75	7	6	7	-	7-8	9+	800	0	*
	Upper Heyford	1008.6	+26	NW	4	c	55	85	8	8	3	-	9	9+	1000	1	*
4	Ross-on-Wye	1011.0	+20	NW	4	c	56	75	8	5	-	-	9	9	2500	0	*
5	Hartland Point	1014.4	+22	N	5	c	56	75	8	8	-	-	9+	9+	1500	0	4
	Bristol ...	1011.2	+22	NW	4	bc	54	85	8	7	3	-	2-3	4-6	3500	0	*
	Portland Bill ...	1011.2	+18	NW	5	bc	58	92	8	5	-	-	4-6	4-6	4000	0	4
	Plymouth ...	1014.3	+18	NW	4	c	57	65	8	7	-	-	9+	9+	2500	0	2
	The Lizard ...	1016.0	+20	NNW	5	c	56	65	8	8	6	-	7-8	7-8	2500	0	3
	Scilly (St. Mary's)	1017.1	+22	NNW	6	c	57	65	7	8	6	-	4-6	9	1500	0	3
	Guernsey ...																
6	Pembroke ...	1015.9	+16	NNW	5	cq	55	75	8	8	-	-	7-8	7-8	1200	0	3
7	Holyhead ...	1013.0	+22	NNW	7	c	56	65	8	2	-	5	7-8	7-8	2200	0	5
	Chester (Sealand)	1011.1	+22	NW'N	5	c	57	75	8	8	3	-	7-8	7-8	2500	1	*
8	Manchester ...	1009.8	+26	NW'N	4	7	54	86	6	5	3	1	4-6	4-6	6500	0	*
10	Spurn Head ...	1005.0	+20	NW'W	6	iR	53	97	6	6	-	-	9+	9+	1500	1	5
	Catterick ...	1008.9	+34	NNW	4	c	53	65	8	5	3	9	2-3	7-8	1800	0	*
	Tynemouth ...	1008.9	+32	NW	5	c	52	85	7	8	-	-	9	9	1400	1	3
11	St. Abbs Head	1007.9	+28	NW	7	cq	52	75	9	8	6	2	4-6	7-8	1800	0	4
	Leuchars ...	1008.8	+22	NW	5	bc	52	75	9	7	-	-	2-3	2-3	3200	0	*
12	Renfrew (Abbotsl.)	1013.1	+30	NW'W	3	bc	50	75	9	2	-	5	1	2-3	4000	0	*
	Eskdalemuir ...	1010.3	+18	N	5	bc	50	65	8	5	3	2	1	4-6	2500	1	*
	Point of Ayre ...	1012.4	+26	N	7	b	54	75	8	1	-	5	Tr	1	2500	0	4
13A	Tiree	1015.7	+20	N	6	bc	53	75	8	8	6	-	2-3	2-3	2500	0	5
13B	Stornoway ...	1014.9	+22	NNW	4	h	49	75	8	8	7	-	7-8	7-8	1500	1	2
15	Dalwhinnie ...	1012.3	+16	N	5	bc	45	65	8	8	-	-	4-6	4-6	1500	1	*
	Aberdeen ...	1008.9	+30	NNW	4	h	49	92	7	6	-	-	10	10	1500	1	2
	Wick ...	1009.4	+24	NW	8	c/pr	50	85	7	5	7	-	7-8	9+	800	1	3
16	Lerwick ...	1005.8	+24	NNW	5	c	50	85	8	8	7	-	7-8	9+	800	1	*
17	Blacksod Point	1021.2	+14	NW	4	bc	56	75	8	2	-	-	2-3	2-3	2500	0	3
18	Malin Head ...	1017.4	+22	NNW	6	c	54	75	8	8	-	-	7-8	7-8	5700	0	5
	Aldergrove ...	1016.0	+28	NW'N	4	bc	53	75	8	8	-	5	1	2-3	2000	1	*
19	Birr Castle ...	1019.3	+20	NNW	2	bc	52	75	8	-	3	-	0	2-3	-	0	*
20	Valentia Obsy.	1022.3	+14	N	4	b	56	75	8	7	-	-	1	1	2500	0	3
	Roches Point	1019.6	+18	N'W	4	b	54	85	8	5	-	-	1	1	4000	0	2

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 2 lst. Hrs. (36)
1	London (Kew)	64	53	47	Tr	Tr	0.6
	Croydon ...						
	S. Farnborough	66	51	47	-	1	2.0
	Boscombe Down	64	53	50	-	Tr	2.8
	Calshot (Sthmtn.)	65	54	51	-	-	1.4
	Lympne ...					Tr	0.5
	Manston ...	64	53	52	-	-	0.4
2	Shoeburyness ...	65	51	46	Tr	Tr	1.5
	Felixstowe ...	62	52	51	Tr	Tr	0.4
	Gorleston ...	58	48	48	Tr	2	0.0
	Mildenhall ...	61	51	45	-	Tr	0.7
	Cranwell ...	61	50	48	0.2	Tr	2.3
3	Birmingham ...	60	51	48	Tr	-	1.2
	Upper Heyford	63	51	47	-	0.2	*
4	Ross-on-Wye	63	53	49	-	-	2.1
5	Hartland Point	62	53	52	Tr	Tr	1.1
	Bristol ...	64	49	48	-	-	2.1
	Portland Bill ...	62	57	*	-	-	*
	Plymouth ...	64	56	53	107	-	1.5
	The Lizard ...	64	54	*	-	-	3.7
	Scilly (St. Mary's)	66	56	*	-	-	2.9
	Guernsey ...						
6	Pembroke ...	62	54	*	-	-	0.5
7	Holyhead ...	61	54	53	Tr	Tr	3.9
	Chester (Sealand)	61	53	49	Tr	1	2.8
8	Manchester ...	60	51	48	Tr	Tr	3.8
10	Spurn Head ...	61	50	*	1	3	3.0
	Catterick ...	61	51	47	Tr	Tr	6.0
	Tynemouth ...	62	51	48	Tr	2	*
11	St. Abbs Head	57	49	*	1	2	*
	Leuchars ...	61	50	43	-	-	3.7
12	Renfrew (Abbotsl.)	60	48	44	Tr	-	8.6
	Eskdalemuir ...	57	47	43	0.2	-	7.1
	Point of Ayre ...	60	53	*	0.3	Tr	5.5
13A	Tiree	57	52	*	0.5	Tr	4.5
13B	Stornoway ...	55	48	*	0.1	0.3	3.3
15	Dalwhinnie ...	52	43	39	3	0.5	2.4
	Aberdeen ...	57	48	46	1	3	4.1
	Wick ...	54	49	*	4	2	*
16	Lerwick ...	55	48	*	1	1	8.5
17	Blacksod Point	61	53	*	Tr	Tr	*
18	Malin Head ...	58	49	*	Tr	0.1	3.4
	Aldergrove ...	59	50	47	Tr	0.2	1.6
19	Birr Castle ...	65	50	48	-	-	6.2
20	Valentia Obsy.	62	55	51	Tr	Tr	2.0
	Roches Point	64	53	*	Tr	-	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset. hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h. (To-day)
Kew...	18	c-y	cycir.	cirscym	64	53	47	Tr	Tr	0.6	*	*	8
Croydon	217										*	*	7
Greenwich (Royal Observatory)...	149	cy	cy	rcbc	65	53	47	-	Tr	0.4	42	60	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	65	54	47	0.3		0.8	53	71	*
Regents Pk. (Botanic Gardens)†...	168	*	*	*	66	53	48	-	0.1		68	64	*
Camden Square	110	c	c	*	66	53	47	-	Tr	*	*	64	*
Kensington	80	cp	c	*	65	53	50	Tr	-	45	61		*
Hampstead Observatory	450	o	cr	bc	64	49	48	0.1	0		*	76	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 22nd

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
0.1	6-7h. 22nd	0.1	rest of period

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 21st August Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 22nd August Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris														
Brussels														
Berlin														
Zürich														
Rome											*	*		

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptious.
4 Rough.	9 Confused.

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

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

SECRET

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 23rd August, 1940.

No. 28763.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)...	1013·2	+26	NNW	3	c	62	55	7	5	7	-	9	9+	2500
	Croydon ...	*	*	NW	4	c	*	*	7	5	-	-	7-8	10	1800
	S. Farnborough	1013·3	+22	WNW	4	c	62	55	7	8	3	-	9	9+	4000
	Boscombe Down	1014·3	+22	NW'N	4	c	60	55	8	8	-	-	9	9	2500
	Calshot (Soton.)	1013·8	+22	NNW	5	c	62	65	8	7	-	-	9+	9+	3500
	Lympne ...	1012·2	+36	NNW	5	c	58	55	8	8	-	-	9+	9+	3500
	Manston ...	1010·9	+32	WNW	6	c	60	75	7	8	-	-	7-8	7-8	1500
2	Shoeburyness ...	1012·0	+26	NNW	5	c	60	65	8	8	-	-	9+	9+	2500
	Felixstowe ...	1010·4	+26	NNW	6	cjp	60	75	8	3	6	-	9	9+	1200
	Gorleston ...	1008·7	+30	NW'N	6	pr	56	85	6	8	-	-	10	10	1500
	Mildenhall ...	1011·7	+26	NW	5	c	56	65	7	8	-	-	10	10	1800
	Cranwell ...	1012·6	+20	N'W	5	c	62	55	8	2	7	-	4-6	7-8	2500
3	Birmingham	1014·3	+14	NW	4	bc	59	45	8	7	-	-	4-6	4-6	4000
	Upper Heyford	1013·4	+20	NW'N	4	c	62	55	8	8	-	-	9	9	2500
4	Ross-on-Wye ...	1015·0	+14	NNW	4	bc		45	8	7	-	-	4-6	4-6	4000
5	Hartland Point	1018·3	+18	N	5	bc	58	75	8	5	4	-	4-6	4-6	1500
	Bristol ...	1015·1	+14	NNW	4	bc	65	45	9	7	-	-	4-6	4-6	3000
	Portland Bill ...	1015·4	+18	NW	3	c	64	65	8	2	-	-	7-8	7-8	4000
	Plymouth ...	1017·2	+10	N'W	5	c	62	55	8	2	-	-	7-8	7-8	2500
	The Lizard ...	1019·5	+10	NNW	5	bc	64	55	8	2	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	1020·9	+22	NW'N	5	bc	64	65	8	8	4	-	4-6	4-6	1200
	Guernsey ...														
6	Pembroke ...	1019·3	+14	N'W	6	bcq	62	55	8	2	3	-	2-3	2-3	2500
7	Holyhead ...	1017·6	+18	N'W	5	bc	60	65	8	8	3	-	4-6	4-6	2500
	Chester (Sealand)	1016·0	+18	NW	6	bc	59	45	8	2	-	1	4-6	4-6	2500
8	Manchester ...	1014·4	+18	NW	4	c	59	55	8	7	-	6	4-6	7-8	3100
10	Spurn Head ...	1010·3	+26	NW	7	c	57	75	7	6	-	-	9+	9+	1500
	Catterick ...	1013·4	+20	NW	4	c	60	55	8	5	-	-	7-8	7-8	3500
	Tynemouth ...	1012·8	+12	NNW	6	cq	56	65	8	2	4	1	4-6	7-8	2500
11	St. Abbs Head	1012·4	+16	NW	6	cq	55	65	9	8	5	-	4-6	7-8	2500
	Leuchars ...	1013·6	+20	NNW	6	c	59	45	9	2	7	9	4-6	9	3200
12	Renfrew (Abbots I.)	1015·7	+14	WNW	5	c	61	55	9	2	-	9	4-6	9	4000
	Eskdalemuir ...	1014·0	+14	N	3	bc	57	45	8	7	-	1	2-3	4-6	2500
	Point of Ayre ...	1016·5	+18	N'W	6	bc	60	65	8	1	-	6	2-3	2-3	2500
13A	Tiree ...	1017·8	+4	NNW	3	c	57	65	8	8	3	-	4-6	7-8	2100
13B	Stornoway ...	1016·9	+10	NW	4	c	55	55	8	5	7	9	4-6	7-8	2500
15	Dalwhinnie ...	1015·9	+16	N	4	bc	50	55	8	8	-	-	4-6	4-6	2500
	Aberdeen ...	1012·6	+20	NNW	5	c/pr	54	75	8	8	-	9	7-8	7-8	1500
	Wick ...	1012·4	+14	NW	7	cq	53	55	8	8	7	-	7-8	9+	1500
16	Lerwick...	1009·0	+16	NW	6	cq	51	75	8	8	7	-	4-6	7-8	1500
17	Blacksod Point...	1023·0	+6	NW	4	c	60	75	8	-	7	-	0	9	-
18	Malin Head ...	1019·6	+8	N	4	bc	57	65	8	2	-	2	2-3	4-6	5700
	Aldergrove ...	1019·0	+10	NW	4	c	58	55	8	2	4	1	7-8	7-8	2500
19	Birr Castle ...	1021·4	+8	NNW	3	bc	64	45	8	7	-	-	4-6	4-6	2500
20	Valentia Obsy. †	1024·5	+10	E	5	b	62	65	8	1	4	-	1	1	2500
	Roches Point ...	1021·9	+8	N	4	bc	65	55	8	1	-	-	2-3	2-3	4000

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1015·6	+16	N'W	3	c	61	45	7	5	3	1	4-6	7-8	2500	0	*
Croydon	*	+	NW	3	c	*	*	7	4	-	-	9+	9+	3000	-	*
S. Farnborough	1015·6	+14	NW'W	3	bc	62	45	8	7	-	-	2-3	2-3	3500	0	*
Boscombe Down	1016·4	+16	NNW	5	bc	62	45	8	1	-	-	2-3	2-3	3000	0	*
Calshot (Soton.)	1015·7	+14	N	4	bc	62	55	8	2	-	-	2-3	2-3	4500	0	1
Lympne	1015·1	+14	NW	3	c	59	65	8	8	-	-	9	9	3200		§2
Manston																*
Shoeburyness	1014·7	+16	NNW	3	bc	60	55	8	-	7	-	0	4-6	-	0	*
Felixstowe	1014·2	+16	NNW	5	c	58	55	8	2	6	-	2-3	7-8	2500	0	2
Gorleston	1012·6	+20	NNW	5	c/pr	55	55	7	8	-	-	9	9	1500	1	2
Mildenhall	1014·7	+18	N'W	4	c	58	65	7	8	7	-	7-8	9	3000	0	*
Cranwell	1015·2	+10	N	3	c	58	55	8	5	-	-	7-8	7-8	2500	0	*
Birmingham	1017·1	+14	NW	4	bc	56	55	8	7	-	2	1	4-6	4000	0	*
Upper Heyford	1015·9	+14	NW	4	bc	60	45	8	4	-	2	2-3	4-6	3500	1	*
Ross-on-Wye	1017·7	+14	NW	4	bc	59	45	8	1	-	-	Tr	2-3	4000	0	*
Hartland Point	1020·4	+10	N	4	bc	59	65	8	1	7	-	2-3	4-6	1500	0	3
Bristol	1017·2	+8	NNW	3	bc	60	55	9	7	4	-	2-3	2-3	4500	0	*
Portland Bill	1017·0	+8	NW	3	bc	62	65	8	1	-	-	4-6	4-6	4000	0	3
Plymouth	1019·7	+20	NNW	6	bc	61	55	8	1	-	-	2-3	2-3	3800	0	3
The Lizard	1021·3	+10	NW	5	bc	61	65	8	2	-	-	4-6	4-6	3500	0	3
Scilly (St. Mary's)	1022·4	+6	NW'W	4	b	62	65	8	2	-	-	Tr	Tr	1600	0	2
Guernsey																
Pembroke	1020·7	+6	NW	2	c	59	75	8	8	6	-	4-6	7-8	2500	0	2
Holyhead	1019·5	+10	N'W	4	c	57	75	9	8	3	-	7-8	9+	3500	0	3
Chester (Sealand)	1017·7	+10	NW	6	bc	58	55	8	1	-	1	2-3	4-6	3500	0	*
Manchester	1016·5	+12	NW'W	4	bc	58	65	8	1	-	6	1	4-6	3500	0	*
Spurn Head	1013·9	+14	NW'N	6	cq	56	75	8	5	-	-	7-8	7-8	4000	0	5
Catterick	1015·2	+10	—	0	c	58	55	8	4	6	-	7-8	7-8	3000	0	
Tynemouth	1015·1	+14	N	5	bc	55	75	8	2	3	-	2-3	4-6	2400	1	3
St. Abbs Head	1013·9	+4	N	5	bcq	55	56	9	4	3	4	2-3	4-6	3000	0	4
Leuchars	1014·6	+8	NW	4	c	59	35	9	2	7	9	2-3	7-8	2500	0	*
Renfrew (Abbots I.)	1017·0	+10	WNW	4	c	56	65	9	4	4	-	7-8	9	3500	0	*
Eskdalemuir	1014·1	+6	N'W	4	bc	55	55	8	7	4	9	2-3	4-6	2500	0	*
Point of Ayre	1018·6	+4	NNW	5	c	56	85	8	4	4	-	4-6	7-8	2500	0	3
Tiree	1017·7	0	W'N	4	id$_o$	55	85	8	5	-	-	9+	9+	1500	0	3
Stornoway	1016·2	-6	WNW	3	c$_o$	53	85	8	5	7	-	2-3	10	1500	1	2
Dalwhinnie	1016·7	+4	WNW	3	c	50	55	8	5	-	-	9+	9+	2500	1	*
Aberdeen	1013·9	+4	N'W	4	c	52	65	8	8	3	-	2-3	9	2500	1	2
Wick	1013·2	-2	NW	4	c	51	75	8	8	6	8	4-6	9+	1500	1	3
Lerwick	1009·5	0	NW'N	6	c	49	65	8	8	7	-	7-8	9+	1500	1	*
Blacksod Point	1022·9	0	WNW	4	id	58	97	6	6	-	-	10	10	<150	1	3
Malin Head	1019·5	-4	NW'N	3	c	56	85	8	6	-	-	9	9	5700	0	3
Aldergrove	1019·4	-2	NW'W	4	c	57	65	8	8	7	-	1	9+	3500	1	*
Birr Castle	1022·1	+4	NNW	2	c	62	65	8	4	-	-	10	10	2500	0	*
Valentia Obsy. †	1025·3	+4	N'W	3	c	60	85	8	5	-	-	9+	9+	2500	0	3
Roches Point	1022·5	+4	N	5	b	63	65	8	1	-	-	1	1	4000	0	3

PAST 24 HOURS. Weather.

Stations	7h.—13h. 22nd (37)	13h.—18h. 22nd (38)	18h. 22nd to 1h. 23rd (39)	1h.—7h. 23rd (40)
London (Kew)	cy	cbcy	beby	bbcc
Croydon	c	c		
S. Farnborough	bccpr$_o$	cbcy	bcrb	b,cpr$_o$
Boscombe Down	c	cbc		bbcc
Calshot (Soton.)	bcc	cbcy	bcybyb	b,bcc
Lympne	bbcy	cbcy	bcbm$_o$w	bwymbcc
Manston	bccpr			
Shoeburyness	pr	cvbcy	bcybc	bccym
Felixstowe	bccprq	cpr$_o$bc	bcpr$_o$bc	cb,cm$_o$
Gorleston	cpr$_o$q	cpr$_o$q	bcc	c
Mildenhall	cpr$_o$c	cyc	cbccm$_o$bm	bm$_o$bcm$_o$c
Cranwell	cbcy	bcycybcy	bccbcbm	b,cmpr$_o$c
Birmingham	cbc	bc	bcb	bcd$_o$
Upper Heyford	c	cbc	bcbbcc	cbcc
Ross-on-Wye	bccqcy	bcy	bybccb	bbcc
Hartland Point	cbc	bc	bcc	c
Bristol	bcqcbcy	bcby	bw	bwbcc
Portland Bill	bcc	cbc	b	c
Plymouth	ccybcy	bcybcy	bbcb	bc
The Lizard	cbcy	bc	bcbw	bbc
Scilly (St. Mary's)	cbcy	bcb	bbcbw	bccbc
Guernsey				
Pembroke	cbcqy	bcqc	c	cq
Holyhead	cbc	bcqc	cDm$_o$c	ddr$_o$mc
Chester (Sealand)	cbccy	bcy	bcc	cir$_o$dd
Manchester	bcmbcc	cbc	bc	m$_o$d$_o$d$_o$id$_o$
Spurn Head	qpr (gale)	cq	c	ir$_o$cq
Catterick	ccy	cy	cybcc	cbc
Tynemouth	cq	qbccq	bcc	cBq
St. Abbs Head	bbq	cbcqy	c	cor$_o$c
Leuchars	cbcy	cycbcy	bcyc	ciRcbc
Renfrew (Abbots I.)	bbccy	cbcvyc	bcpr$_o$bc	
Eskdalemuir	bcbcy	byc	bcyc	cprbc
Point of Ayre	bc	bcc	cid$_o$	idc
Tiree	c	c	cid	c
Stornoway	cr$_o$r$_o$y	cpr	cid$_o$d	cbccpr
Dalwhinnie	ir$_o$bbc	bcc		cir$_o$c
Aberdeen	pr$_o$bc	pr$_o$c	cr$_o$r$_o$	r$_o$cpr$_o$
Wick	pr$_o$qy	cprc	r$_o$rrc	
Lerwick	cpr$_o$	cpr$_o$	cpr	cprbc
Blacksod Point	c	id	•	id
Malin Head	c	c	cid$_o$c	c
Aldergrove	bcpr$_o$cy	cyc	ccid$_o$c	id$_o$ir$_o$c
Birr Castle	cbcy	c	cid$_o$	c
Valentia Obsy. †	bbc	bbcc	cmpr$_o$id$_o$c	cidbccpr$_o$
Roches Point	bcy	b	pr$_o$c	bcc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

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

Abridged observations of additional stations in the

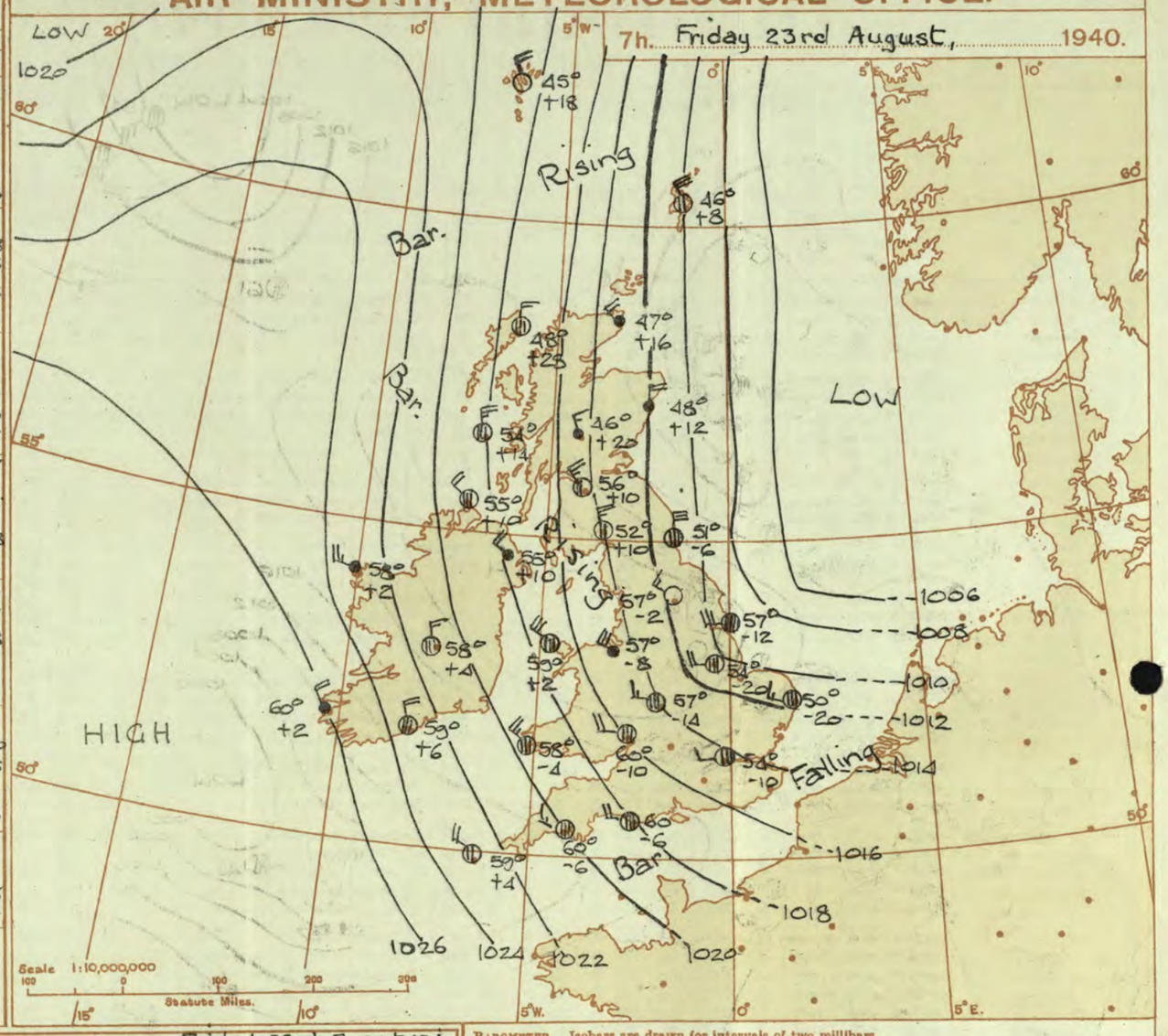
AVIATION WEATHER CODE

	13h. G.M.T. 22nd. August			18h. G.M.T.			01h. G.M.T. 23rd. August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	83	25855	29685	87	02753	25527	5-	22767	27467	2-	02854	62684
115	87	02844	30583	57	03845	30428	52	02834	24427	76	02844	32525
203												
206	8-	25965	30385	84	02865	26227	02	62848		84	01963	31363
210	8-	01955	61526	83	02955	61526	5-	51757	24357	86	02945	61585
220	82	02855	28328	62	51746	29228				83	01854	29415
230	86	02965	28416				83	25844	61584	80	01963	20583
245	80	14954	32714	88	02963	28525	52	02867	23128	53	22954	65565
260				43	02965	25216	55	01853	26415	5-	21856	30256
277	16	01952	62614	83	02966	28417	52	54537	26653	54	21755	28555
279												
285	8-	02846	30426	8-	02847	28427				8-	02737	30527
288	86	02755	30826	80	01764	01324	57	02764	20328	54	02865	26426
273	18	01855	30585							46	14654	28358
301	26	02863	30515	25	01861	30414	53	02765	28528	8-	81647	30587
321	83	02865	30526	57	02765	03220	5-	05663	28318	51	02745	28557
299	80	02746	63716							8-	22748	2435-
292	80	01965	31415	76	01764	31225	5-	02778	24218	67	02954	28427
310	--	01636	26415	--	01633	26313				--	22628	26568
316	8-	05667	31317	4-	05664	30325	50	02653	24216	6-	21636	25358
333	80	02965	65615	87	02952	31325	52	51757	26328	63	22845	28566
334	--	02857	63527	--	01864	30514				--	02747	26427
340				70	01953	28514	50	01853	26313	6-	53438	26558
136	8-	25848	30668	86	02843	31585				52	51664	21458
336	--	02853	28416	--	01852	32513				--	81742	32687
350	83	02754	30326	86	02764	29225	00	00890	24111			
368	10	01963	28413	10	01962	30412	53	02763	26216	00	00285	05860
379	30	02855	28425	10	00751	30412	00	00790	28200	53	02755	24326
390	5-	02748	30628	83	05664	29414	00	05690	26310	5-	05666	22416
382	8-	02755	61525	10	01862	27412	00	00890	25300	7-	02857	23427
438	8-	02747	32517							50	01753	26513
430	23	02753	30387				00	00790	26200	57	51765	24317
409	8-	25855	32685							57	51846	27428

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Friday 23rd August, 1940.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Friday 23rd. August, 1940.
1 S.E. England	Moderate or fresh NW to N wind, lighter tomorrow; bright intervals, scattered showers at first; cool.
2 E. England ...	
3 E. Midlands ...	Wind veering N, strong on coast, moderating and backing NW later; bright intervals, showers with perhaps thunder near coast tonight; cool.
4 W. Midlands ...	
5 S.W. England	As 1
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Fresh or strong squally N wind, moderating and backing later; bright intervals, showers, perhaps thunder near coast, improving later.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Wind NW falling moderate to light and backing W; fair today, probably some rain tomorrow; cool.
13 A. W. Scotld. B.N.W. Scotland.	
14 Mid Scotland	
15 N. E. Scotland	As 10-11
16 Orkneys and Shetlands	
17 N. W. Ireland	As 12-14
18 N. E. Ireland	
19 S. E. Ireland	Moderate NW to W wind; cloudy, local drizzle; average temperature.
20 S. W. Ireland	

GENERAL INFERENCE.

Pressure remains high to SW and low to NE of the British Isles. A secondary trough over Scotland is moving rapidly SE followed by a wedge of high pressure. A new disturbance off NW Iceland is connected with a depression west of Greenland but is likely to break off and move round the anticyclone, though more slowly than the preceding disturbance.

FURTHER OUTLOOK.

Rather unsettled but little rain in the South.

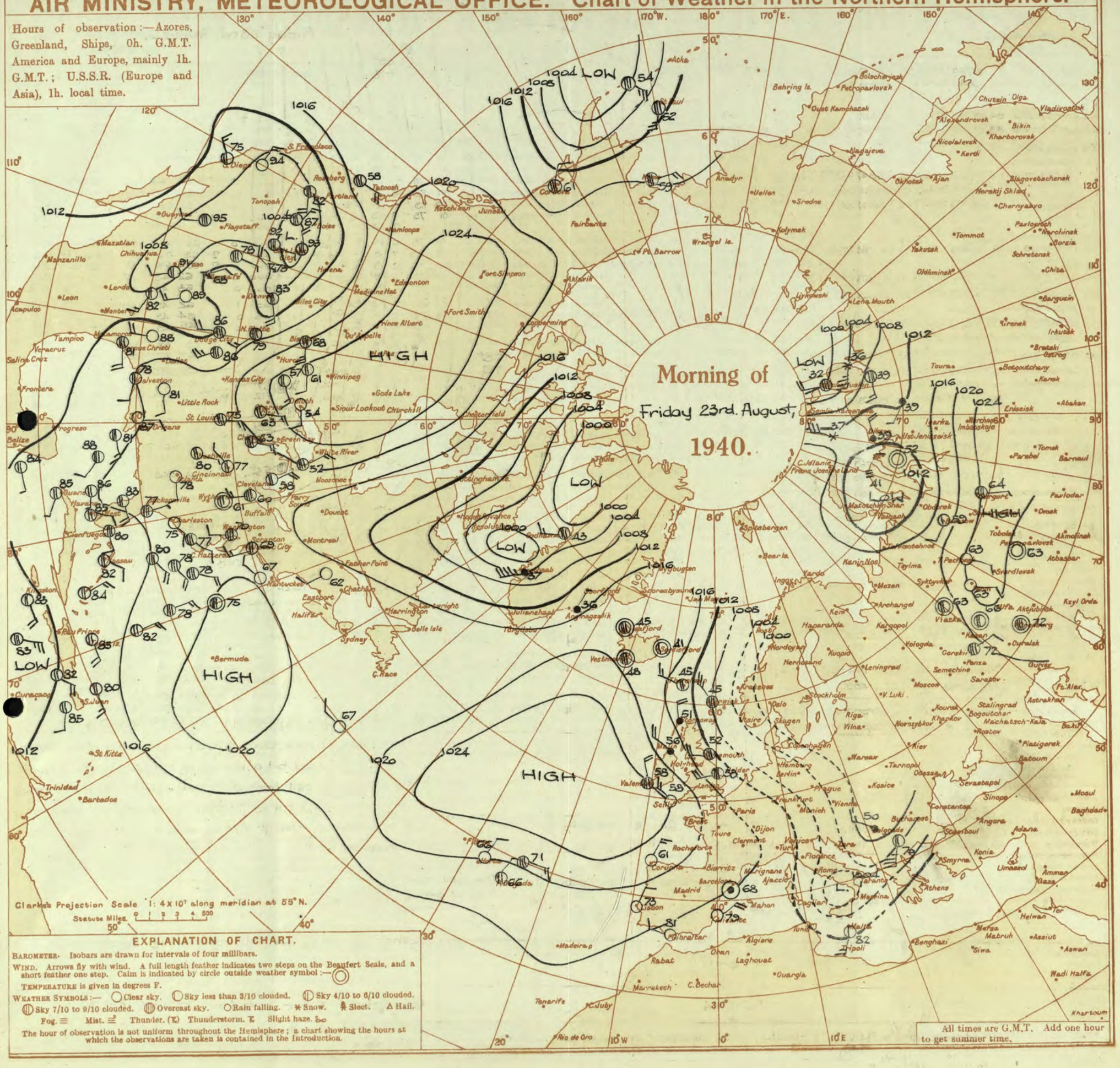
Gale warning still in operation Districts 2 + 10.

Forecasts issued at

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

H.M.S.O. Press, Cornwall House, S.E.1.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 23rd August, 1940.

No. 28763

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217			-	0	b			G	-	-		0	1	-
	S. Farnborough	226	1018·8	-2	WS	2	b	45	75	7	-	-	-	0	0	-
	Boscombe Down	417	1019·4	0	WNW	3	b	46	75	7	-	-	-	0	0	-
	Calshot (Sthmtn.)	8	1019·1	+2	WNW	2	b	49	75	7	-	-	-	0	0	-
	Lympne ...	346	1017·7	+6	N	1	z_s	47	85	G	-	-	-	0	0	-
	Manston ...	154														
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1015·5	-6	W	2	c	53	85	7	5	-	-	9	9	5000
	Gorleston ...	5	1014·5	-2	WN	2	c	50	85	7	5	-	-	7-8	7-8	2500
	Mildenhall ...	19	1015·4	-8	W	3	z_s	46	97	G	-	-	-	0	0	-
	Cranwell ...	240	1015·6	-4	WNW	3	z_s	48	85	G	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1017·6	-6	NW	3	c	49	75	8	5	-	6	4-6	7-8	2200
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1021·2	-2	WNW	3	c	58	85	8	5	-	-	9+	9+	1500
	Bristol ...	209	1019·9	-2	WNW	3	b	49	85	8	-	-	-	0	0	-
	Portland Bill ...	32	1020·5	+14	NW	3	b	59	85	8	-	-	-	0	0	-
	Plymouth ...	82	1022·0	+2	NW	2	b	55	85	8	-	-	-	0	0	-
	The Lizard ...	240	1023·3	0	WN	3	b	56	97	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1023·8	+2	NWN	3	b	58	85	8	-	-	-	0	0	-
	Guernsey ...	175														
6	Pembroke ...	142	1021·6	-2	NW	3	c	59	85	7	8	-	-	9+	9+	2500
7	Holyhead ...	26	1018·6	-10	W	5	dd	57	92	G	5	-	-	10	10	900
	Chester (Sealand)	16	1017·7	-10	WNW	4	c	56	75	7	5	3	-	4-6	9+	2400
8	Manchester ...	70	1016·5	-10	WN	3	bc	49	85	7	5	-	-	4-6	4-6	5500
10	Spurn Head ...	29	1013·5	-10	WS	4	c	53	75	G	1	-	-	7-8	7-8	4000
	Catterick ...	175	1013·6	-18	W	2	c	53	75	7	5	-	-	9+	9+	4000
	Tynemouth ...	108	1013·9	-20	W	4	c	52	75	G	8	-	-	9+	9+	2500
11	St. Abbs Head	280	1011·5	-22	NWN	4	c	58	75	8	5	2	-	7-8	10	2500
	Leuchars ...	36	1011·1	-26	WSW	3	c	52	75	8	5	2	-	9	10	2500
12	Renfrew (Abbots I.)	19	1012·5	-34	WSW	4	c/d	56	85	8	8	-	-	7-8	7-8	1800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1016·2	+16	WNW	5	id	55	97	7	8	2	-	7-8	10	1500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1014·7	-2	NNW	4	d_s	51	92	7	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1010·8	-6	NW	4	c/p	48	92	7	5	2	-	7-8	10	800
16	Lerwick ...	156	1007·8	-4	NNW	5	c/pr	44	85	8	8	7	-	4-6	7-8	800
17	Blacksod Point	18	1023·5	0	WN	4	c	58	92	7	5	-	-	10	10	<150
18	Malin Head ...	84	1018·2	-6	NW	4	id	56	97	6	9	-	-	9+	9+	800
	Aldergrove ...	268	1017·7	-10	WNW	3	c/d	57	92	7	5	-	-	10	10	1000
19	Birr Castle ...	173	1022·8	0	WNW	2	id	58	92	7	5	-	-	10	10	2500
20	Valentia Obsy.	30	1026·4	+6	NW	4	c/d	58	92	7	5	-	-	9+	9+	1500
	Roches Point	22	1028·7	-2	NW	4	c/pr	58	92	8	8	-	-	7-8	7-8	1500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1015·3	-10	WSW	2	c	54	75	7	5	-	-	9+	9+	2500	0	*
Croydon ...			W	2	c/pr			7	5	3		7-8	9+	2000		*
S. Farnborough	1015·9	-18	SWW	3	c/pr	54	75	7	5	-	-	9+	9+	5000	0	*
Boscombe Down	1017·0	-12	WN	4	c	57	85	8	5	-	-	9+	9+	3500	0	*
Calshot (Sthmtn.)	1017·2	-14	WN	3	c	55	85	7	5	-	-	9+	9+	2500	0	1
Lympne ...	1015·8	-14	WS	1	c	51	75	7	5	3	-	2-3	9+	5000		§3
Manston ...			W	3	c			7	5	-	-	9	9	2500		*
Shoeburyness ...	1013·9	-18	W	4	c	53	75	G	5	7	-	7-8	9+	4000	0	*
Felixstowe ...	1012·8	-18	WS	4	c	52	85	7	5	-	-	9+	9+	5000	0	2
Gorleston ...	1010·9	-20	WN	3	c	50	85	G	5	-	-	9+	9+	1500	1	2
Mildenhall ...	1011·9	-22	W	4	z_s	58	85	G	5	7	-	7-8	10	2000	0	*
Cranwell ...	1011·9	-20	W	4	c	54	92	7	8	-	-	9+	9+	2000	0	*
Birmingham ...	1014·1	-14	WNW	3	c	57	85	7	6	-	-	9+	9+	800	1	*
Upper Heyford	1015·3	-18	W	3	c	55	85	8	5	7	-	9	9+	1800	0	*
Ross-on-Wye	1016·0	-10	W	4	c	60	85	8	5	-	-	9+	9+	2500	0	*
Hartland Point	1020·0	-4	NW	4	c	59	92	8	8	2	-	7-8	10	1500	0	3
Bristol ...	1017·7	-6	W	4	c	58	92	8	5	-	-	9+	9+	1500	0	*
Portland Bill ...	1018·4	-6	W	4	c	60	85	8	5	7	-	7-8	10	2500	0	3
Plymouth ...	1020·6	-6	WNW	3	c/pr	60	85	G	8	-	-	9+	9+	1500	0	2
The Lizard ...	1022·5	0	NW	4	c	58	92	8	8	2	-	7-8	9+	2000	0	2
Scilly (St. Mary's)	1028·0	+4	NW	4	bc	59	92	8	8	4	-	4-6	4-6	800	0	2
Guernsey ...																
Pembroke ...	1020·2	-4	NW	5	c	58	92	7	8	-	-	9	9	1500	0	2
Holyhead ...	1017·1	+2	NNW	G	c	50	85	G	5	-	-	9+	9+	2200	1	4
Chester (Sealand)	1014·5	-8	NWW	G	dr	57	92	G	G	2	-	4-6	10	400	1	*
Manchester ...	1013·4	-10	NNW	5	c/d	57	85	7	5	-	-	9+	9+	2500	1	*
Spurn Head ...	1009·4	-12	W	G	oq	57	85	G	5	-	-	10	10	1500	0	4
Catterick ...	1011·0	-2	NWW	3	bc	57	85	8	5	-	-	4-6	4-6	6000	0	*
Tynemouth ...	1011·0	-6	N	G	cq	51	92	7	9	-	-	9	9	1500	1	3
St. Abbs Head	1011·6	+28	WNW	5	c	50	85	8	5	2	-	7-8	9+	1500	1	3
Leuchars ...	1013·0	+18	NNW	4	bc	51	75	9	5	3	-	4-6	4-6	1800	1	*
Renfrew (Abbots I.)	1013·9	+10	NW	5	bc	56	75	9	7	4	-	2-3	4-6	2000	1	*
Eskdalemuir ...	1012·1	+10	NNW	5	bc	52	85	8	5	-	-	4-6	4-6	1500	1	*
Point of Ayre ...	1015·3	+2	NW	5	c	56	92	7	8	4	-	7-8	9	1500	1	3
Tiree ...	1017·2	+14	NW	5	c	54	75	8	8	-	-	7-8	7-8	1500	0	4
Stornoway ...	1017·8	+28	N	3	c	48	85	8	5	7	-	7-8	9+	2000	1	2
Dalwhinnie ...	1015·3	+20	NNW	3	ic	46	92	G	5	-	-	10	10	800	1	*
Aberdeen ...	1012·8	+12	N	4	pr	48	85	7	8	-	-	9	9	1500	1	2
Wick ...	1013·3	+16	N	5	bc	50	65	8	8	7	-	4-6	7-8	800	1	2
Lerwick ...	1009·1	+8	NNW	G	bc/pr	46	85	8	8	7	-	4-6	4-6	1500	1	*
Blacksod Point	1023·5	+2	WN	4	id	58	97	G	G	-	-	10	10	<150	1	2
Malin Head ...	1019·4	+10	NW	4	c/pr	55	85	8	G	-	-	7-8	7-8	5700	0	4
Aldergrove ...	1018·2	+10	NWW	4	id	55	85	8	5	-	-	9+	9+	700	1	*
Birr Castle ...	1022·6	+4	NNW	3	c	58	92	8	5	-	-	10	10	2500	0	*
Valentia Obsy.	1026·4	+9	NNW	4	pr	60	85	8	8	-	-	9	9	1500	0	4
Roches Point	1028·6	+6	NNW	4	c	59	85	8	5	-	-	7-8	7-8	2500	0	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 24 Hrs. (36)
London (Kew)	63	49	41	-	-	3·2
Croydon ...	*			*		
S. Farnborough	65	44	34	Tr	Tr	4·7
Boscombe Down	64	46	42	-	-	6·8
Calshot (Sthmtn.)	66	48	44	-	-	9·5
Lympne ...						7·2
Manston ...						
Shoeburyness ...	64	47	35	Tr	-	6·2
Felixstowe ...	63	50	47	0·6	Tr	6·4
Gorleston ...	59	48	45	2	0·1	5·4
Mildenhall ...	62	43	37	-	-	9·0
Cranwell ...	63	46	44	-	Tr	4·4
Birmingham ...	62	49	45	*	Tr	7·3
Upper Heyford	64	45	38	-	-	*
Ross-on-Wye	65	49	44	-	-	8·8
Hartland Point	59	57	56	-	-	7·7
Bristol ...	67	47	38	-	-	8·5
Portland Bill ...			*	-	-	*
Plymouth ...	65	57		-	-	
The Lizard ...	63	55	47	-	-	9·8
Scilly (St. Mary's)	65	54	*	-	-	10·1
Guernsey ...	65	56	*	-	-	10·4
Pembroke ...	61	56	*	-	-	6·[illegible]
Holyhead ...	60	56	54	-	0·1	8·8
Chester (Sealand)	61	54	49	-	0·2	11·1
Manchester ...	62	49	43	-	1	10·4
Spurn Head ...	58	51	*	2	Tr	2·7
Catterick ...	61	50	45	-	-	5·8
Tynemouth ...	57	51	46	-	0·3	*
St. Abbs Head	56	47	*	-	1	*
Leuchars ...	61	49	48	-	0·4	10·1
Renfrew (Abbots I.)	61	52	49	-	Tr	9·6
Eskdalemuir ...	60	48	43	-	0·3	11·9
Point of Ayre ...	61	58	*	-	1	11·0
Tiree ...	58	52	*	-	0·2	1·9
Stornoway ...	55	46	*	Tr	1	4·8
Dalwhinnie ...	55	45	43	0·1	2	3·3
Aberdeen ...	56	46		0·3	1	
Wick ...			*	1	3	*
Lerwick ...	52	48	*	0·2	12	8·0
Blacksod Point	61	56	*	Tr	-	*
Malin Head ...	60	53	*	-	1	2·5
Aldergrove ...	60	54	52	Tr	0·1	4·5
Birr Castle ...	66	57	56	-	Tr	7·9
Valentia Obsy.	63	57	53	-	Tr	10·8
Roches Point	67	56	*	-	0·2	*

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 Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew ...	18	cy	cbcy	bcby	63	49	41	-	-	3·2	*	*	7
Croydon ...	217	c	c								*	*	6
Greenwich (Royal Observatory) ...	149	cy	cy	cbcd	62	48	40	-	Tr	1·8	53	73	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	64	48	43		Tr		67	81	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	65	48	43	-	Tr		70		*
Camden Square ...	110	c	bc	*	65	48	43	-	-	*	*	79	*
Kensington ...	80	bc	c	*	64	48	43	-	Tr		49	74	*
Hampstead Observatory ...	450	bc	bc	cd	62	46	42	-	Tr		*	89	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 23rd

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
0·1	20h. 22nd	0·1	rest of period

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 22nd August Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 23rd August Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...														
Brussels ...														
Berlin ...														
Zürich ...														
Rome ...														

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

		Objects not visible at
0	Dense fog	55 yards.
1	Thick fog	220 ,,
2	Fog	550 ,,
3	Moderate fog	1,100 ,,
4	Mist or haze	1¼ miles.
5	Poor visibility	2½ ,,
6	Moderate ,,	6¼ ,,
7	Good ,,	12½ ,,
8	Very good ,,	31 ,,
9	Excellent ,,	beyond 31m.

COLUMN 30 — Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Preciptious.
4	Rough.	9	Confused.

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

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

SECRET

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 24th August 1940.

No. 28765

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1015·0	+10	NW	4	c	61	65	8	5	-	-	10	10	1500
	Croydon	*	*	WNW	4	c	*	*	7	5	2	*	7-8	10	2000
	S. Farnborough	1014·9	+4	WNW	5	c	65	55	8	7	3	-	7-8	9	2500
	Boscombe Down	1015·5	+2	NW	5	c	65	55	8	8	-	-	7-8	7-8	3800
	Calshot (Soton.)	1015·3	-6	NNW	5	c	66	65	8	5	-	-	9	9	2500
	Lympne														
	Manston	*	*	WNW	4	zo	*	*	6	5	7	*	7-8	10	1500
2	Shoeburyness	1013·0	+2	NNW	4	c	62	65	8	8	7	-	7-8	10	2500
	Felixstowe	1012·5	+8	NNW	5	c/r	55	85	8	6	7	-	9	9+	800
	Gorleston	1011·1	+20	NNW	5	c/pr	56	75	6	8	-	-	9	9	1500
	Mildenhall	1013·3	+14	NW	4	c/pr	53	85	7	8	2	-	4-6	10	1500
	Cranwell	1014·4	+26	NW	4	c/r	53	85	7	5	2	-	9	10	2500
3	Birmingham	1016·3	+10	NW	4	c	57	75	8	8	-	-	9+	9+	1500
	Upper Heyford	1015·1	+8	NW	5	c	59	65	8	5	7	-	9	10	1500
4	Ross-on-Wye	1016·4	+4	WNW	5	cq	64	65	8	5	-	-	9	9	2500
5	Hartland Point	1020·7	+4	NNW	4	c	61	92	8	8	7	-	4-6	9	1200
	Bristol	1017·0	+6	NW	4	bc	66	65	9	5	6	-	2-3	4-6	2000
	Portland Bill	1017·1	+10	W	4	c	64	85	8	5	4	-	4-6	7-8	4000
	Plymouth	1020·6	0	NW'N	4	c	64	75	7	5	-	-	9+	9+	1500
	The Lizard	1022·5	0	NNW	6	c	64	75	8	8	2	-	7-8	7-8	
	Scilly (St. Mary's)	1023·6	+2	NW'N	5	c	67	65	8	5	3	-	4-6	7-8	1800
	Guernsey														
6	Pembroke	1020·9	+6	NW'W	5	cq	61	85	7	8	-	-	9+	9+	1500
7	Holyhead	1019·5	+8	NW'N	5	c	58	85	8	8	3	-	7-8	7-8	2800
	Chester (Sealand)	1016·9	+6	NW	7	c	60	65	8	5	-	-	7-8	7-8	2000
8	Manchester	1015·7	+14	NNW	4	c	60	75	7	8	-	-	7-8	9+	2500
10	Spurn Head	1012·2	+20	NW'N	8	cq	55	65	7	3	-	-	7-8	7-8	2500
	Catterick	1015·0	+12	NNW	4	pr	55	65	8	8	-	-	9	9	2200
	Tynemouth	1014·9	+14	N	8	bcq	54	65	8	2	-	-	4-6	4-6	2500
11	St. Abbs Head	1014·6	+16	N	5	bcq	52	65	9	2	4	-	2-3	4-6	1500
	Leuchars	1016·1	+14	NNW	4	bc	55	45	9	2	8	-	2-3	4-6	3200
12	Renfrew (Abbots I.)	1017·3	+14	N	3	c	60	55	9	7	7	-	7-8	7-8	2500
	Eskdalemuir	1015·7	+14	N'E	5	bc	56	55	8	7	-	-	4-6	4-6	2500
	Point of Ayre	1017·8	+8	N'W	6	b	61	75	8	4	-	-	1	1	1300
13A	Tiree	1020·8	+14	N	4	c	55	65	8	7	-	-	7-8	7-8	2600
13B	Stornoway	1020·7	+18	NNW	5	c	53	55	9	7	7	-	4-6	7-8	4000
15	Dalwhinnie	1018·8	+20	N	3	c	50	75	8	2	-	-	7-8	7-8	1500
	Aberdeen	1015·0	+16	N	6	c/pr	54	75	8	8	-	3	7-8	7-8	1500
	Wick	1015·9	+16	N	8	bcq	51	65	8	8	-	-	4-6	4-6	1500
16	Lerwick	1011·9	+16	N	8	c	52	65	8	8	7	-	4-6	7-8	1500
17	Blacksod Point	1025·4	+8	NW	4	o	60	97	6	5	-	-	10	10	<150
18	Malin Head	1022·2	+12	N	4	c	55	85	8	7	6	-	4-6	7-8	4000
	Aldergrove	1020·7	+12	NNW	3	c/pr	57	75	8	8	-	-	9+	9+	1600
19	Birr Castle	1023·2	+4	NW	3	c	63	85	8	5	1	-	7-8	10	1500
20	Valentia Obsy. †	1027·1	+2	NNW	5	c	62	92	7	5	-	-	9+	9+	800
	Roches Point	1023·7	+10	N'W	5	bc	66	85	8	5	-	-	4-6	4-6	2500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1016·7	+10	NW	2	zo	58	65	6	5	3	1	2-3	4-6	2500	0	*
Croydon	*	*	W	2	bc/pr	*	*	6	5	3	*	4-6	4-6	4000	-	*
S. Farnborough	1016·7	+14	N'W	2	c	60	65	8	7	3	-	4-6	7-8	3500	0	*
Boscombe Down	1017·0	+8	N'W	4	bc	62	55	8	8	-	-	2-3	2-3	2500	0	*
Calshot (Soton.)	1016·4	+10	N'W	4	bc	64	65	8	7	-	-	2-3	2-3	3500	0	3
Lympne																§
Manston																*
Shoeburyness	1015·9	+12	NNW	2	c	54	75	8	8	7	-	7-8	9+	4000	0	*
Felixstowe	1015·7	+14	NNW	5	c	56	55	8	8	6	-	2-3	7-8	2500	0	2
Gorleston	1013·7	+10	NNW	5	bc	56	65	7	8	-	-	4-6	4-6	1800	1	8
Mildenhall	1015·4	+14	N	4	c/pr	55	65	8	7	6	-	4-6	7-8	4500	0	*
Cranwell	1016·1	+12	N	4	b	56	55	7	5	7	-	Tr	1	3500	0	*
Birmingham	1017·5	+8	NW	4	bc	58	65	8	7	-	-	4-6	4-6	2500	0	*
Upper Heyford	1016·9	+12	NW'W	4	c	59	65	8	8	-	-	7-8	7-8	2200	1	*
Ross-on-Wye	1018·5	+10	N'W	4	b	61	55	9	4	-	-	1	1	4000	5	*
Hartland Point	1021·0	+2	N	4	c	60	85	8	8	4	-	7-8	9	1200	0	3
Bristol	1017·8	+2	NW	3	bc	60	75	9	7	-	-	2-3	2-3	3200	0	*
Portland Bill	1017·7	+12	W	4	bc	63	85	8	5	-	-	4-6	4-6	4000	0	4
Plymouth	1020·2	+2	NNW	5	c	65	75	8	5	-	-	7-8	7-8	1800	0	8
The Lizard	1021·9	0	NW	5	bc	61	85	8	8	4	-	4-6	4-6	2500	0	3
Scilly (St. Mary's)	1023·1	-2	NW'W	5	c	64	75	7	5	4	-	7-8	9+	1800	0	2
Guernsey																
Pembroke	1021·6	-2	N	3	c	60	85	8	8	-	-	9+	9+	2500	1	2
Holyhead	1020·9	+10	NNW	5	bc	58	75	8	8	-	-	4-6	4-6	3500	0	4
Chester (Sealand)	1018·7	+10	NW'W	6	bc	58	65	8	8	-	-	4-6	4-6	2800	0	*
Manchester	1017·5	+12	NW	4	c	58	65	8	8	-	-	7-8	7-8	3200	0	*
Spurn Head	1014·4	+6	NW'N	7	cq	55	65	8	8	8	3	4-6	7-8	4000	0	5
Catterick	1017·4	+14	N	3	bc	55	55	8	2	6	2	4-6	4-6	4000	0	5
Tynemouth	1016·7	+10	N	8	bcq	55	55	8	2	-	2	4-6	4-6	2500	1	4
St. Abbs Head	1015·8	+16	N	7	cq	52	65	9	4	3	-	4-6	7-8	2500	0	4
Leuchars	1018·1	+10	NW	5	c	56	45	8	2	7	4	2-3	7-8	3500	0	*
Renfrew (Abbots I.)	1019·5	+10	NW'W	4	bc	57	55	9	7	3	1	2-3	2-3	2500	0	*
Eskdalemuir	1018·0	+10	NNE	4	bc	54	55	9	7	-	5	2-3	4-6	2500	1	*
Point of Ayre	1020·0	+12	N'W	6	b	57	75	8	4	-	-	1	1	2500	0	4
Tiree	1022·1	+4	NNW	4	bc	54	75	8	7	-	-	2-3	2-3	3200	0	4
Stornoway	1021·1	+10	NNW	3	bc	52	65	9	7	7	-	2-3	4-6	2500	-2	2
Dalwhinnie	*	+14	NNW	4	bc	49	55	8	2	-	-	4-6	4-6	2500	0	*
Aberdeen	1016·9	+14	N'W	4	bc/pr	49	75	8	8	-	9	4-6	4-6	2500	1	3
Wick	1018·3	+10	NNW	7	cq	50	65	8	8	7	-	4-6	7-8	1500	1	3
Lerwick	1014·2	+10	N	8	c	51	75	8	8	7	-	4-6	7-8	800	1	*
Blacksod Point	1025·6	0	NW	4	o	59	97	6	5	-	-	10	10	<150	0	3
Malin Head	1023·3	+8	N	4	c	54	85	8	9	6	-	4-6	7-8	4000	0	3
Aldergrove	1022·2	+6	NW'N	3	c	55	75	8	7	-	-	7-8	7-8	2000	1	*
Birr Castle	1024·1	+4	NNW	3	c	64	75	8	8	1	-	7-8	10	1500	0	*
Valentia Obsy. †	1026·9	+2	N'W	4	c	61	92	7	5	-	-	9+	9+	450	0	3
Roches Point	1023·8	+4	N'W	5	c/pr	64	85	8	8	-	5	7-8	9	1500	0	3

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 23rd (37)	13h.—18h. 23rd (38)	18h. 23rd to 1h. 24th (39)	1h.—7h. 24th (40)
London (Kew)	cidoc	cirobczo	cirogbmow	bmow
Croydon	*	*	*	bc
S. Farnborough	cdoroy	gybc	bccrob	b
Boscombe Down	c	gbc	bcb	
Calshot (Soton.)	c	c	q	b
Lympne			bcbw	
Manston	*			b
Shoeburyness	iroDDc	cidoiroc	cbmo	bmow
Felixstowe	cidocrkqc	cbc	bcyb	b
Gorleston	odocpr	cprobc	bccpro	
Mildenhall	crnododoq	cprobc	bcb	bbw
Cranwell	cproq, iro	procbc	c, b	bbmozo
Birmingham	cpro	cbc	bcb	b
Upper Heyford	cidoiroc	c	bcb	bcb
Ross-on-Wye	pocpocq	cqbcqy	bvb	bw
Hartland Point	cbcc	bc	c	c
Bristol	cqbc	cbc	bcb	bw
Portland Bill	c	cbc	b	b
Plymouth	ccidomoc	c	bbc	bcc
The Lizard	c	bccbc	bcw	cpr
Scilly (St. Mary's)	bcc	cbcc	cbcc	cbcc
Guernsey				
Pembroke	cq	cq	c	c
Holyhead	c	cbbc	bccbc	bcc
Chester (Sealand)	rpcpro	cbc	bcbbc	bcc
Manchester	cprobc	cbcc	bcbmofg	bffwm
Spurn Head	cw	cq	cq	q, bc
Catterick	idocpro	bc	bcybbw	bwb
Tynemouth	cpobcq	bcq	bcq	bcc
St. Abbs Head	cbcq	bccq	*	cbccq
Leuchars	bccpr.bcy	bcy/cy	cybcb	bbcc
Renfrew (Abbots I.)	bcy	bcy	bcybw	cbcwc
Eskdalemuir	cprbcy	bcyy	b	bbc
Point of Ayre	bq	b	b	c
Tiree	bcc	bc	bcc	c
Stornoway	cpr	cbc	bcc	crоrо
Dalwhinnie	cprbc	bc	•	hbpcco
Aberdeen	bcpr	bcpro		bcc
Wick	probc	bccq	c	crоrо
Lerwick	bccpr	cpro	c	bcc
Blacksod Point	o	o	d	c
Malin Head	cbcc	c	bcc	cdodcc
Aldergrove	idomopro	cprocbc	bbw	bwidoc
Birr Castle	cidoc	c	c	c
Valentia Obsy. †	cproc	cmoc	cmo	cmobcc
Roches Point	bc	proc	bc	bc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

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

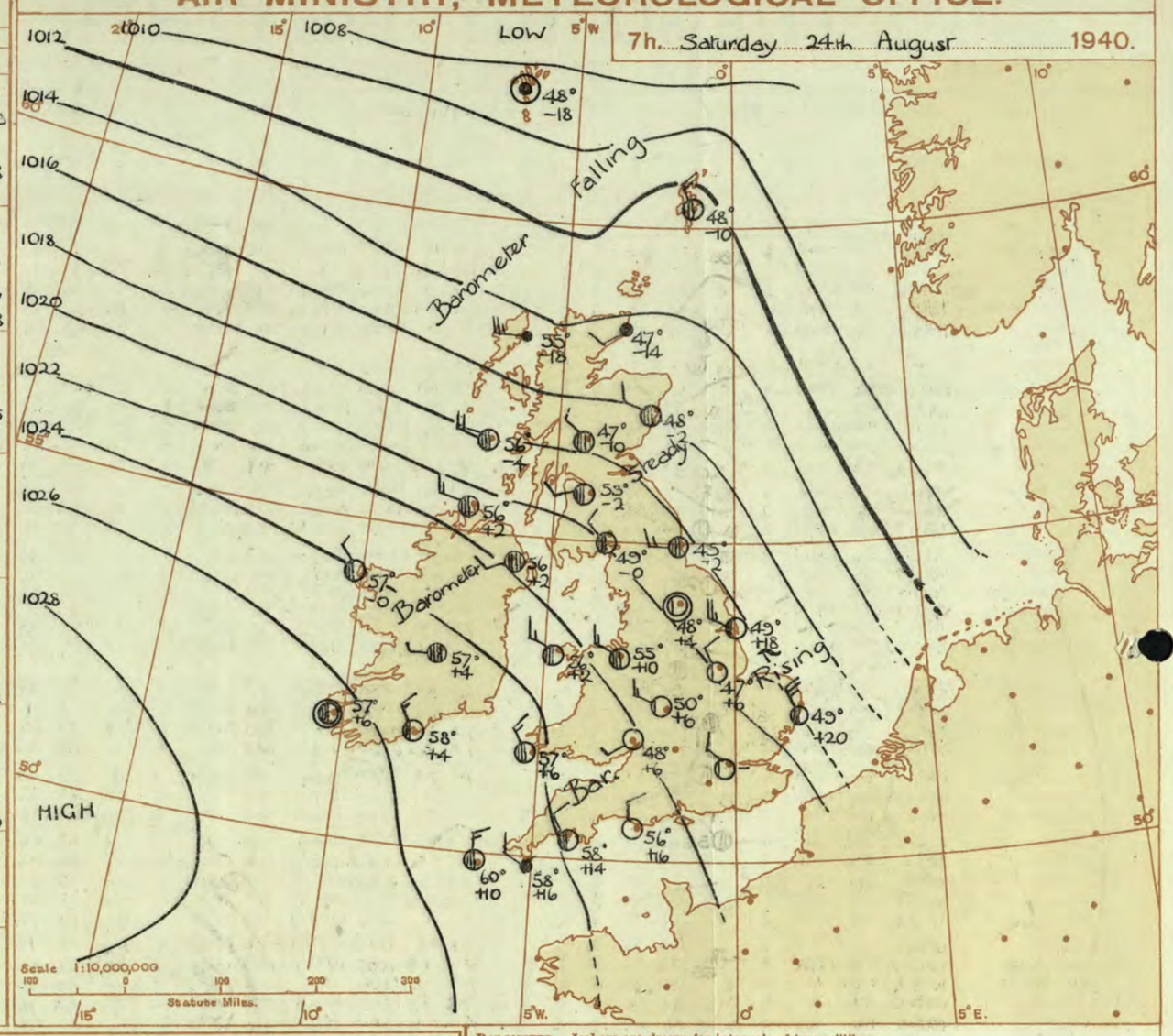
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday 24th August 1940.

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 23rd August			18h. G.M.T.			01h. G.M.T. 24th August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	20	02845	62785	20	02754	61614	5-	02745	26425	5-	54328	24158
115	73	02954	32525	73	01364	32424	53	02854	28425	--	67103	20463
203												
206	83	01964	31458	80	01964	31225	54	02956	00018	52	61846	23468
210	86	25954	63684	8-	01854	61614				57	62856	23368
220	10	01965	28304	13	01962	28303				52	03636	27228
230	70	00963	29513	10	01961	28503						
245	80	25954	63585	86	25953	29485	46	00951	26512	7-	02857	25127
260				44	01962	28213	00	00830	00000	07	02790	22217
277	10	00952	62622	10	00962	28512	57	01952	29314	51	31738	26328
279												
285	8-	02845	28525	23	01844	32514				54	01844	26514
288	86	02755	63566				00	05650	30100	53	00862	13213
273	82	10654	29418							37	01653	28205
301	86	01854	30584	80	01864	30514	00	05690	32400	73	01864	30315
321	83	02854	62555	57	02863	28413	00	05650	26100	00	05550	25310
299	80	25744	59784	87	01743	61714	80	01744	61714	57	05644	25314
292	8-	81757	30457	80	01863	32484	00	00830	28200	03	00830	00002
310	--	03628	26428	--	02636	26326				--	02636	26326
316	5-	31645	61366	40	05656	32326	00	05550	00000	00	08490	24110
333	7-	02346	64614	20	01964	65314	50	01864	02414	57	02954	28216
334	--	02847	30427	--	01863	31503				--	01881	28101
340	8-	02955	60315	80	00953	28513	03	00830	28212	50	01862	24312
136	57	02845	32566	26	01842	30613	40	01852	29512	50	01763	26413
336	--	02853	32517	--	02854	28517				--	01852	28412
350							00	05690	28110			
368	74	01854	62614	74	01854	30414	00	00830	30300	54	00761	24201
379	8-	25846	28586	80	01853	30413	5-	05667	28327	00	00790	26300
390	54	05644	30625	8-	02657	28467				04	05590	26201
382	5-	02838	28528	74	02865	02225	50	00761	27201	00	00830	26200
438	8-	02747	30557							50	01662	32302
430				83	01863	30413	00	05690	32200	00	00790	28200
409	5-	02738	28528	54	01743	28315	5-	02764	31326	5-	52637	31327

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



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th August, 1940.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light or moderate westerly wind, tending to freshen; mainly cloudy, occasional slight rain later; slightly milder, but still cool.
5 S.W. England 6 South Wales ...	Light or moderate NW wind; cloudy, local drizzle; rather cool.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands 17 N. W. Ireland 18 N. E. Ireland	Moderate or fresh westerly wind; cloudy, occasional rain, bright intervals locally tomorrow; slightly milder but still cool.
19 S. E. Ireland 20 S. W. Ireland	As 5-6

GENERAL INFERENCE.

A large anticyclone is centred SW of the British Isles and a very deep depression is centred over Southern Sweden. Another depression is situated to NE of Iceland and associated troughs of low pressure will move SE across our northern districts. Weather will be fair today in the South, but cloudy conditions with occasional rain or drizzle will spread in southeastwards from Scotland to N. England and perhaps later to SE England. Temperature will rise somewhat in the North and East.

FURTHER OUTLOOK.

Unsettled and cool but little rain in the South.

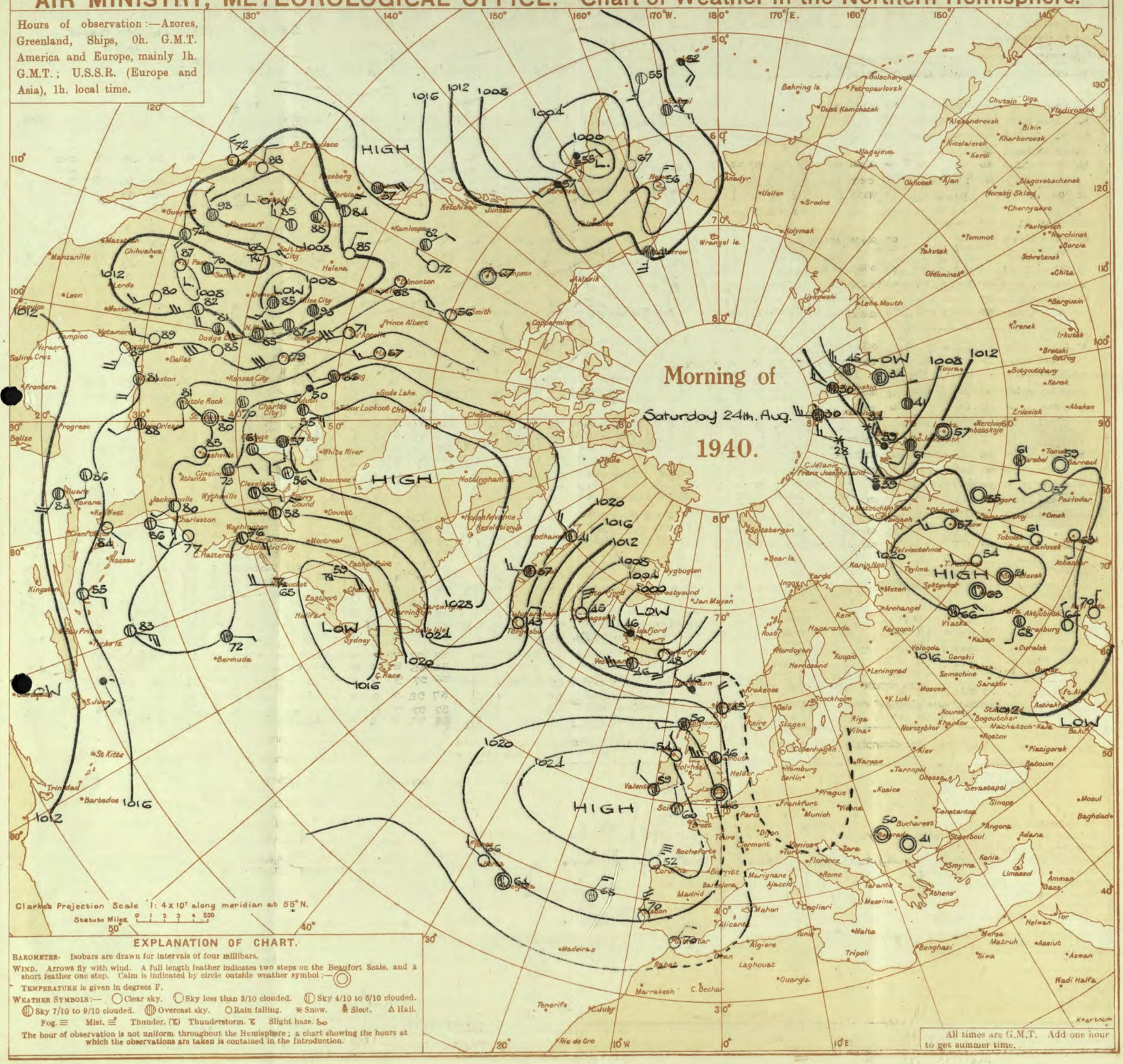
Forecasts issued at 10·30. G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation :—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

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

Page 4.
AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday 24th August 1940.
No 28765

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

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	*	*	—	0	Zo	*	*	5	-	-	-	0	0	-
	S. Farnborough	226	1020·5	+14	SW	2	b	47	85	7	-	-	-	0	0	-
	Boscombe Down	417	1021·1	+14	W'N	2	b	46	85	7	-	-	-	0	0	-
	Calshot (Sthmtn.)	8	1020·0	+10	NNW	3	b	53	75	7	-	-	-	0	0	-
	Lympne ...	346	1018·9	+6	NNW	2	b	45	85	7	-	-	-	0	0	-
	Manston ...	154														
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1017·7	+6	NW'N	4	b	49	75	8	-	-	-	0	0	-
	Gorleston ...	5	1015·6	+2	NNW	5	c/pr	51	75	6	8	-	-	9	9	1500
	Mildenhall ...	19	1018·3	+6	W'N	3	b	42	85	7	-	-	-	0	0	-
	Cranwell ...	240	1019·0	+6	NW	3	b	46	75	7	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1020·0	+8	NW	3	c	50	85	7	5	-	-	7·8	7·8	4500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1022·4	+2	N	4	c	57	75	8	8	2	-	7·8	9+	1200
	Bristol ...	209	1021·9	+10	NNW	1	b	49	85	8	-	4	1	0	Tr	-
	Portland Bill ...	32	1021·2	+12	W	3	b	60	92	8	-	-	-	0	0	-
	Plymouth ...	82	1022·3	+10	NNW	3	bc	57	85	8	5	-	-	2·3	2·3	3000
	The Lizard ...	240	1024·0	+8	WNW	1	bc	55	92	8	4	4	-	2·3	4·6	2500
	Scilly (St.Mary's)	163	1024·3	+6	NNW	2	c	60	85	8	5	4	-	4·6	9+	2200
	Guernsey ...	175														
6	Pembroke ...	142	1023·0	+2	N'W	2	c	56	85	8	8	2	-	7·8	9	2000
7	Holyhead ...	26	1022·1	+2	NNW	4	c	54	75	8	2	-	-	7·8	7·8	2700
	Chester(Sealand)	16	1020·6	+4	NNW	3	bc	52	75	8	5	-	-	4·6	4·6	3500
8	Manchester ...	70	1020·0	+8	NW	1	b	42	97	6	-	-	-	0	0	-
10	Spurn Head ...	29	1016·1	0	WNW	6	cq	50	75	7	8	-	-	9	9	2500
	Catterick ...	175	1018·9	+2	W'S	1	b	43	85	8	-	-	-	0	0	—
	Tynemouth ...	108	1018·9	+2	W	5	bc	46	75	7	2	-	-	2·3	2·3	2800
11	St. Abbs Head	280	1018·2	+14	NNW	5	cq	49	75	9	4	4	-	4·6	7·8	2500
	Leuchars ...	36	1019·0	-2	W	1	b	42	85	8	1	-	-	Tr	Tr	4000
12	Renfrew (Abbots I.)	19	1020·6	-2	W'S	1	bc	45	85	8	-	-	5	0	2·3	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1021·4	+8	N'W	4	b	53	85	8	1	-	-	Tr	Tr	4000
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1020·5	-16	WSW	2	c	50	75	7	5	7	-	4·6	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1017·5	-6	NNW	4	c	47	75	8	5	7	2	7·8	9+	1000
16	Lerwick ...	156	1014·2	-8	NNW	4	bc	45	85	7	5	3	-	4·6	4·6	1500
17	Blacksod Point	18	1025·2	-8	W'N	3	id	58	97	6	6	-	-	10	10	<150
18	Malin Head ...	84	1022·9	-4	NW	1	c	54	85	8	8	-	-	7·8	7·8	5700
	Aldergrove ...	268	1023·1	+2	NW'W	2	bc	50	92	8	5	-	4	Tr	2·3	1500
19	Birr Castle ...	173	1025·0	-2	NW	1	c	57	92	8	5	-	-	9	9	2500
20	Valentia Obsy.	30	1027·0	-2	NW'N	2	Zo	59	92	6	5	-	-	9+	9+	800
	Roches Point	22	1025·3	0	NW'N	3	bc	60	92	8	5	-	-	4·6	4·6	2500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1021·5	+14	WNW	2	Zo	48	85	6	-	-	-	0	0	—	1	*
Croydon	*	*	NW	2	Zo	*	*	6	5	-	*	Tr	Tr	1400	*	*
S. Farnborough	1022·1	+12	W'S	2	b	46	92	8	-	-	1	0	1	-	0	*
Boscombe Down	1023·1	+18	NW	2	b	47	85	8	-	-	-	0	0	-	0	*
Calshot (Sthmtn.)	1022·1	+16	NW'N	3	b	50	85	7	-	-	-	0	0	-	0	
Lympne																†1
Manston	1020·0	+16	NW	5	b	51	65	7	1	-	-	1	1	1000	0	*
Shoeburyness	1020·5	+10	W'N	2	b	50	65	6	-	4	-	0	Tr	-	0	*
Felixstowe	1019·8	+16	NW	4	b	47	65	7	-	-	-	0	0	-	0	2
Gorleston	1017·9	+20	NW	5	c	49	75	6	8	-	-	9+	9+	1500	0	3
Mildenhall	1020·0	+14	W'N	3	Zo	46	75	6	-	-	-	0	0	-	0	*
Cranwell	1020·1	+6	NW	2	Zo	47	65	6	-	-	1	0	Tr	-	0	*
Birmingham	1021·8	+6	WNW	3	b	50	75	6	5	-	-	Tr	Tr	4000	0	*
Upper Heyford	1021·3	+14	NW	3	b	49	85	8	5	-	-	Tr	Tr	4000	0	*
Ross-on-Wye	1022·6	+6	SW	1	b	48	85	8	-	-	-	0	0	-	0	*
Hartland Point	1023·7	+12	N	3	c	57	75	8	8	-	-	9	9	1300	0	2
Bristol	1023·3	+14	—	0	b	49	85	8	5	-	-	Tr	Tr	3500	+	*
Portland Bill	1022·9	+16	N	2	b	56	92	8	8	-	-	0	0	-	0	2
Plymouth	1023·9	+14	NW	3	c	58	75	8	5	-	-	9+	9+	2000	0	2
The Lizard	1025·3	+16	WNW	2	pr	58	92	8	5	2	-	7·8	9+	1500	1	2
Scilly (St.Mary's)	1025·0	+10	N	3	c	60	85	8	8	3	4	4·6	7·8	1800	0	2
Guernsey																
Pembroke	1023·8	+6	N'W	3	c	57	85	8	8	6	-	7·8	9+	2500	0	1
Holyhead	1022·2	+2	WNW	3	c	56	85	9	5	3	-	7·8	9+	4000	0	3
Chester(Sealand)	1021·4	+10	WNW	3	c	55	75	8	5	3	-	4·6	7·8	2500	0	*
Manchester	1021·2	+10	W'N	1	c/F	47	97	5	-	3	-	0	7·8	-	1	*
Spurn Head	1018·8	+18	WNW	5	bc	49	75	7	4	-	-	2·3	2·3	4000	0	4
Catterick	1019·2	+4	—	0	b	48	75	7	5	-	-	·1	1	6000	0	*
Tynemouth	1018·6	-2	W	3	c	45	75	6	2	3	1	2·3	7·8	3000	0	3
St. Abbs Head	1017·0	+6	NNW	4	c	49	75	8	5	7	-	4·6	9	3000	0	3
Leuchars	1017·1	-8	WSW	3	c	49	65	9	5	2	1	4·6	10	3500	0	*
Renfrew (Abbots I.)	1019·6	-2	WSW	2	c	53	85	8	5	7	-	9+	10	2500	0	*
Eskdalemuir	1019·5	0	NW	2	c	49	75	8	5	3	-	7·8	9	2500	0	
Point of Ayre	1021·2	0	NW'W	4	c	55	92	8	5	7	-	7·8	9+	1500	0	3
Tiree	1019·1	-4	W'N	4	c	56	92	7	8	-	-	7·8	7·8	1500	0	3
Stornoway	1016·5	-18	W	5	roro	55	97	7	5	2	-	9	10	600	1	1
Dalwhinnie	*	-10	NW	1	o	47	85	8	5	-	-	10	10	800	1	*
Aberdeen	1016·0	-2	WNW	2	c	48	75	8	1	7	-	Tr	9+	2500	0	2
Wick	1014·7	-14	SW	2	roro	47	97	7	5	2	-	7·8	10	1500	1	2
Lerwick	1012·4	-10	NNW	3	c	48	75	8	5	7	-	7·8	9+	1500	0	*
Blacksod Point	1024·9	0	NW	1	c	57	97	7	-	7	-	0	7·8	-	0	2
Malin Head	1021·7	+2	W'N	3	c	56	85	8	4	6	-	1	7·8	5700	0	2
Aldergrove	1022·0	+2	WSW	2	c/d	56	97	9	5	-	-	10	10	600	1	*
Birr Castle	1025·0	+4	W	1	c	57	92	7	5	2	-	10	10	2500	0	*
Valentia Obsy.	1026·7	+18	—	0	cjp	57	97	7	5	-	4	9	9+	1500	0	1
Roches Point	1025·3	+4	NNW	3	bc	58	92	8	5	-	1	4·6	4·6	<150	0	2

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 23rd Hrs. (36)
London (Kew)	62	45	28	Tr	0·2	1·0
Croydon	*	*	*	*	*	*
S. Farnborough	66	40	30	Tr	Tr	2·6
Boscombe Down	67	42	37	—	—	2·5
Calshot (Sthmtn.)	66	48	45	—	—	·8
Lympne						
Manston		49	*		—	*
Shoeburyness	63	43	33	0·6	—	0·1
Felixstowe	61	46	41	0·4	—	0·4
Gorleston			43	1	1	3·8
Mildenhall	61	39	31	0·1	—	0·8
Cranwell	64	40	37	Tr	—	3·8
Birmingham	62	46	40	1	—	3·6
Upper Heyford	62	44	36	Tr	—	*
Ross-on-Wye	66	44	35	Tr	—	5·8
Hartland Point	61	56	56	—	—	1·0
Bristol	68	43	31	—	—	4·5
Portland Bill	65	50	*	—		*
Plymouth	65	57	49	Tr	—	1·8
The Lizard	67	54	*	—	Tr	3·3
Scilly (St.Mary's)	67	58		—	—	4·5
Guernsey						
Pembroke	61	55	*	Tr	—	5·0
Holyhead	60	53	51	—	—	6·0
Chester(Sealand)	61	51	45	0·1	—	6·9
Manchester	62	33	29	—	—	4·7
Spurn Head	58	46	*	0·1	—	5·5
Catterick	59	41	31	—	—	8·2
Tynemouth	55	42	38	Tr	—	*
St. Abbs Head	56	45	*	—	—	*
Leuchars	59	40	34	Tr	—	8·4
Renfrew (Abbots I.)	61	44	34	—	—	9·1
Eskdalemuir	58	34	27	Tr	—	9·6
Point of Ayre	61	52	*	—	—	11·0
Tiree	57	51	*	—	—	10·3
Stornoway	54	47	*	0·3	—	9·7
Dalwhinnie	54	33	28	0·4	Tr	10·3
Aberdeen	54	44	41	1	-	9·2
Wick	53	45	*	Tr	0·3	*
Lerwick	54	45	*	0·1	—	9·9
Blacksod Point	61	55	*	0·1	0·4	*
Malin Head	59	50	*	1	0·3	2·2
Aldergrove	58	48	46	1	Tr	3·[illegible]
Birr Castle	65	56	55	Tr	—	0·4
Valentia Obsy.	64	55	45	Tr	Tr	1·6
Roches Point	68	57	*	Tr	—	*

LONDON OBSERVATIONS

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

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	cidoc	cirobczo	cirobmzo	62	45	28	Tr	0·2	1·0	*	*	7
Croydon	217	*	*	*	*	*	*	*	*		*	*	6
Greenwich (Royal Observatory)	149	cido	c	cbxm	62	39	27	Tr	-	0·1	84	61	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	63	47	40	—	-	0·5	85	95	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	63	43	35	—	—		65	68	*
Camden Square	110	c	c	*	62	45	37	—	Tr	*	*	71	*
Kensington	80	bc	c	*	62	45	36	Tr	—		65	68	*
Hampstead Observatory	450	bc	bcod		60	46	42	Tr	-		*	83	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 24th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.
0·1	20-24h 23rd	0·1	7-20h 23rd

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 23rd August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 24th August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris														
Brussels														
Berlin														
Zürich														
Rome											*	*		

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22.—Code for surface visibility.

		Objects not visible at
0	Dense fog	55 yards.
1	Thick fog	220 „
2	Fog	550 „
3	Moderate fog	1,100 „
4	Mist or haze	1¼ miles.
5	Poor visibility	2½ „
6	Moderate „	6¼ „
7	Good „	12½ „
8	Very good „	31 „
9	Excellent „	beyond 31m.

COLUMN 30.—Code for State of Sea.

0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Precipitous.
4 Rough. 9 Confused.

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Sunday 25th August 1940.

No. 28,766

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. 0–9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew) ...	1022.1	0	WNW	3	bc	65	35	8	1	-	1	1	2-3	4000
	Croydon			NNW	3	b			8	-	4		0	1	-
	S. Farnborough	1022.3	-2	W'N	3	b	67	35	8	1	-	1	Tr	1	3000
	Boscombe Down	1022.5	-4	NW'N	3	b	65	65	8	-	4	-	0	1	-
	Calshot (Soton.)	1022.7	-2	N'W	3	b	66	45	8	1	-	-	Tr	Tr	3500
	Lympne ...														
	Manston ...														
2	Shoeburyness ...	1021.8	0	NW	2	b	67	45	8	-	-	-	0	0	-
	Felixstowe ...	1020.8	+2	WNW	3	b	60	50	8	-	7	-	0	Tr	-
	Gorleston ...	1019.9	+10	NW	3	bc	58	65	7	-	4	-	0	2-3	-
	Mildenhall ...	1020.3	-2	W'N	4	b	65	46	7	-	-	3	0	1	-
	Cranwell ...	1020.1	-2	NW	4	z	65	55	6	5	-	-	9	9	2500
3	Birmingham	1021.0	+2	NW	4	c	62	65	8	7	-	-	7-8	7-8	4000
	Upper Heyford	1021.6	-2	WNW	4	bc	67	45	8	1	3	-	1	4-6	3100
4	Ross-on-Wye ...	1022.3	0	WNW	2	c	70	75	9	7	-	-	7-8	7-8	4000
5	Hartland Point	1024.9	+2	NW	3	c	60	80	9	5	-	-	9+	9+	1500
	Bristol	1023.4	-4	NW	2	bc	67	65	8	7	4	-	2-3	2-3	3500
	Portland Bill ...	1023.7	+4	WSW	3	bc	61	80	8	1	-	-	2-3	2-3	4000
	Plymouth ...	1024.5	0	N'W	3	bc	65	65	8	1	-	5	2-3	2-3	2500
	The Lizard ...	1025.8	0	NW	3	bc	68	65	8	2	-	-	4-6	4-6	3500
	Scilly (St. Mary's)	1026.1	+2	N'W	2	c	67	65	8	8	3	4	2-3	7-8	2500
	Guernsey ...														
6	Pembroke ...	1025.1	+2	W'N	2	c	61	80	7	8	-	-	9+	9+	1500
7	Holyhead ...	1022.8	+2	W'N	4	c	62	85	8	8	3	-	9	9+	3000
	Chester (Sealand)	1022.3	+4	WNW	5	c	61	80	8	4	3	-	9+	9+	2100
8	Manchester ...	1021.7	+4	W'N	5	id	57	92	7	6	1	-	7-8	10	1400
10	Spurn Head ...	1018.5	-4	W'N	5	bc	62	56	7	-	4	-	0	4-6	-
	Catterick ...	1018.0	-10	WNW	4	c	64	65	8	5	3	-	4-6	7-8	4000
	Tynemouth ...	1018.0	-8	W	4	c	62	75	7	8	-	-	9	9	1200
11	St. Abbs Head	1015.2	-6	NNW	4	c	62	75	8	5	7	-	4-6	9	3000
	Leuchars ...	1014.7	-10	W	4	c	68	55	9	8	7	-	4-6	7-8	2500
12	Renfrew (Abbotsl.)	1018.7	-2	W	4	c	61	75	8	6	7	-	9+	9+	1600
	Eskdalemuir ...	1018.6	-2	WNW	4	c	60	75	8	8	4	2	7-8	7-8	1000
	Point of Ayre ...	1021.2	0	NW'N	4	c	63	85	8	6	-	-	9	9	2500
13A	Tiree	1019.0	0	W'N	4	c	60	86	7	6	-	-	9+	9+	1800
13B	Stornoway ...	1015.8	-4	W	6	r.r.	57	97	6	6	2	-	9	10	600
15	Dalwhinnie ...	1016.0	-6	SW	1	c	57	85	7	6	-	-	9+	9+	800
	Aberdeen ...	1013.2	-12	NW	4	ir	64	65	8	7	7	-	7-8	9+	4000
	Wick	1011.7	-8	NW	3	ir	58	92	6	5	2	-	7-8	10	2800
16	Lerwick... ...	1010.1	-10	SW	3	c	50	85	8	5	2	-	7-8	10	800
17	Blacksod Point..	1024.7	-4	SW	2	c	61	85	8	3	7	-	2-3	10	1500
18	Malin Head ...	1021.5	-4	NW	5	c	59	85	7	8	-	-	9	9	2500
	Aldergrove ...	1021.6	-6	WNW	3	c/pp	62	75	8	8	6	-	9+	9+	1600
19	Birr Castle ...	1024.6	-2	W	1	c	60	65	8	8	1	-	7-8	10	2500
20	Valentia Obsy. †	1026.2	-6	W	3	c	63	86	8	8	-	-	9+	9+	4000
	Roches Point ...	1025.3	-4	SSW	2	c	67	65	8	5	-	-	7-8	7-8	2500

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount Low 0–10 (26)	Cloud. Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)...	1022.0	+4	NW'N	2	c	68	55	8	5	3	-	7-8	9+	2500	0	*
	Croydon			NW	2	c			7	5	-	-	9	9+	0700		*
	S. Farnborough	1022.2	+6	WNW	3	c	69	45	8	5	3	-	7-8	9	3500	0	*
	Boscombe Down	1022.3	-2	NW'W	2	c	67	65	8	5	-	-	9	9	3500	0	*
	Calshot (Soton.)	1022.6	+2	SW'W	3	c	64	85	8	7	3	-	7-8	7-8	5700	0	2
	Lympne ...																§
	Manston ...																*
2	Shoeburyness ...	1021.3	+4	NW'N	3	c	67	55	8	-	5	-	0	9+	-	0	*
	Felixstowe ...	1020.7	+2	NW	3	c	67	55	7	5	7	-	4-6	9+	5000	0	1
	Gorleston ...	1019.5	+2	WNW	1	c	65	55	6	5	-	-	9+	9+	1500	0	2
	Mildenhall ...	1020.7	+4	WNW	3	c	65	65	7	3	7	-	4-6	9+	2700	0	*
	Cranwell ...	1020.8	0	WNW	3	c	62	75	7	5	-	-	9	9	3500	0	*
3	Birmingham	1022.1	0	NW	3	c/pr	60	92	8	8	7	-	7-8	9+	2500	0	*
	Upper Heyford	1021.8	+2	NW	3	c	66	65	8	8	-	-	9	9	6000	0	*
4	Ross-on-Wye ...	1022.3	+6	WNW	3	bc	65	65	8	7	-	1	2-3	4-6	4000	0	*
5	Hartland Point	1025.0	0	W	3	bc	62	85	8	4	4	6	2-3	4-6	2500	0	2
	Bristol	1023.2	+6	W	3	c	66	85	9	7	4	4	4-6	7-8	4500	0	*
	Portland Bill ...	1023.5	+2	W	2	bc	63	85	8	2	4	-	4-6	4-6	4000	0	2
	Plymouth ...	1024.9	+6	N	3	bc	65	65	8	1	-	2	2-3	2-3	2500	0	1
	The Lizard ...	1025.8	0	WNW	2	bc	64	75	8	7	-	-	2-3	2-3	3500	0	1
	Scilly (St. Mary's)	1026.2	0	WNW	2	c	63	86	8	5	4	-	4-6	9+	2400	0	1
	Guernsey ...																
6	Pembroke ...	1024.4	-2	W'N	3	bc	61	92	7	5	7	-	4-6	4-6	1600	0	1
7	Holyhead ...	1022.8	+2	W'S	2	c	61	75	8	5	-	-	10	10	3700	0	1
	Chester (Sealand)	1022.1	0	WNW	5	c	62	65	8	5	-	-	9+	9+	3500	0	*
8	Manchester ...	1021.7	+2	W'N	4	c	61	85	8	5	-	-	4-6	9+	2100	0	*
10	Spurn Head ...	1017.8	-2	W	5	c	64	75	6	4	4	-	4-6	7-8	4000	0	3
	Catterick ...	1018.5	+4	NW	4	c	61	75	8	5	8	2	7-8	9	4000	0	*
	Tynemouth ...	1018.0	+6	W	4	bc	63	75	7	2	4	-	4-6	4-6	3200	0	2
11	St. Abbs Head	1014.5	-6	WNW	5	c	61	75	8	4	7	-	4-6	7-8	3200	0	3
	Leuchars ...	1015.2	+2	WSW	5	c	64	65	8	5	7	2	4-6	7-8	1800	0	*
12	Renfrew (Abbotsl.)	1018.1	+6	W	3	c	59	75	8	5	3	1	9	9+	1400	0	*
	Eskdalemuir ...	1018.3	0	WNW	4	pp	59	75	9	8	4	2	4-6	7-8	2500	1	*
	Point of Ayre ...	1021.4	+2	NNW	4	c	58	92	7	5	7	-	7-8	10	1500	1	2
13A	Tiree	1018.7	0	W	4	rr	57	97	6	-	2	-	10	10	400	1	3
13B	Stornoway ...	1015.1	-4	W	5	r.r.	52	97	6	5	-	-	10	10	450	1	3
15	Dalwhinnie ...	*	+4	SSW	3	c	55	85	7	5	5	-	9	9+	800	0	*
	Aberdeen ...	1013.2	+4	NW	4	c/p	62	75	8	7	7	3	4-6	7-8	4000	0	2
	Wick	1011.8	+2	WNW	4	c	57	92	6	5	7	8	7-8	9+	800	1	2
16	Lerwick... ...	1008.6	-4	SW'S	4	dd	51	97	5	5	-	-	10	10	450	1	*
17	Blacksod Point..	1024.2	+4	W'S	3	c	59	92	8	-	7	-	0	10	-	0	2
18	Malin Head ...	1021.5	-4	NW	5	c	58	92	8	3	-	-	9	9	2500	0	3
	Aldergrove ...	1022.1	+2	W'S	3	c	59	75	8	7	-	-	10	10	3000	0	*
19	Birr Castle ...	1024.5	0	W'N	1	c	63	65	8	5	1	-	7-8	10	2500	0	*
20	Valentia Obsy. †	1025.8	-2	W'N	3	c	60	92	8	5	-	-	9+	9+	2500	0	1
	Roches Point ...	1024.7	-2	SSW	1	c	63	85	8	8	1	-	7-8	9	1500	0	1

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 24th (37)	Weather. 13h.—18h. 24th (38)	Weather. 18h. 24th to 1h. 25th (39)	Weather. 1h.—7h. 25th (40)
1	London (Kew)...	bccbcby	bccy	cycbcmy	bcbbccw
	Croydon				
	S. Farnborough	bbcby	bccy	cybbc	bcwc
	Boscombe Down	b	bbcc	bm	ommfc
	Calshot (Soton.)	bby	bybc	bcbbw	bwbcm
	Lympne ...				cbm
	Manston ...				
2	Shoeburyness ...	bmby	bbccy	cybcm	bcbcm
	Felixstowe ...	bby	bycyc	cbbc	bccz
	Gorleston ...	cbc	cy	cbc	c
	Mildenhall ...	bwmby	bcyc	cbcc	c
	Cranwell ...	bczcz	zcbcc	cczm	cmc
3	Birmingham	bcc	bcc	pbc	c
	Upper Heyford	bbcc	c	cbcc	c
4	Ross-on-Wye ...	by	bcybc	bcc	c
5	Hartland Point	c	cbc	bcc	cbcc
	Bristol	bbc	bcybc	bcbbcm	bccmc
	Portland Bill ...	bbc	bcbc	bcb	bc
	Plymouth ...	bc	bc	bcbw	bbcmyf
	The Lizard ...	cbc	bc	bcw	cbcc
	Scilly (St. Mary's)	cbcc	c	bbccw	cw
	Guernsey ...				
6	Pembroke ...	c	cbc	c	cw
7	Holyhead ...	cidc	c	c	c
	Chester (Sealand)	cbcc	c	cz	cz
8	Manchester ...	cmccid	cidc	crcm	cmc
10	Spurn Head ...	bcc	c	bc	c
	Catterick ...	bbcc	cbc	bcbbc	bcwc
	Tynemouth ...	c	cbc	bc	bcc
11	St. Abbs Head	c	c	cbc	bc
	Leuchars ...	ccy	cycbc	bccbcc	cbcc
12	Renfrew (Abbotsl.)	c	cidirc	c	cidc
	Eskdalemuir ...	c	cpcc	bc	ircm
	Point of Ayre ...	c	ddc	c	c
13A	Tiree	c	o	cir	c
13B	Stornoway ...	crr	cm	crrm	crr
15	Dalwhinnie ...	cc	c		cbc
	Aberdeen ...	cir	ircbc	bcc	c
	Wick	cir	irem	mdpr	ed
16	Lerwick... ...	c	coddm	oddcid	cidbc
17	Blacksod Point..	c	c	c	pr
18	Malin Head ...	cididc	c	cprc	crrcprc
	Aldergrove ...	ididpr	ccidc	c	c
19	Birr Castle ...	c	c	c	c
20	Valentia Obsy. †	coidirc	cprc	oc	coc
	Roches Point ...	bcc	c	c	cid

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29—STATE OF GROUND.

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

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

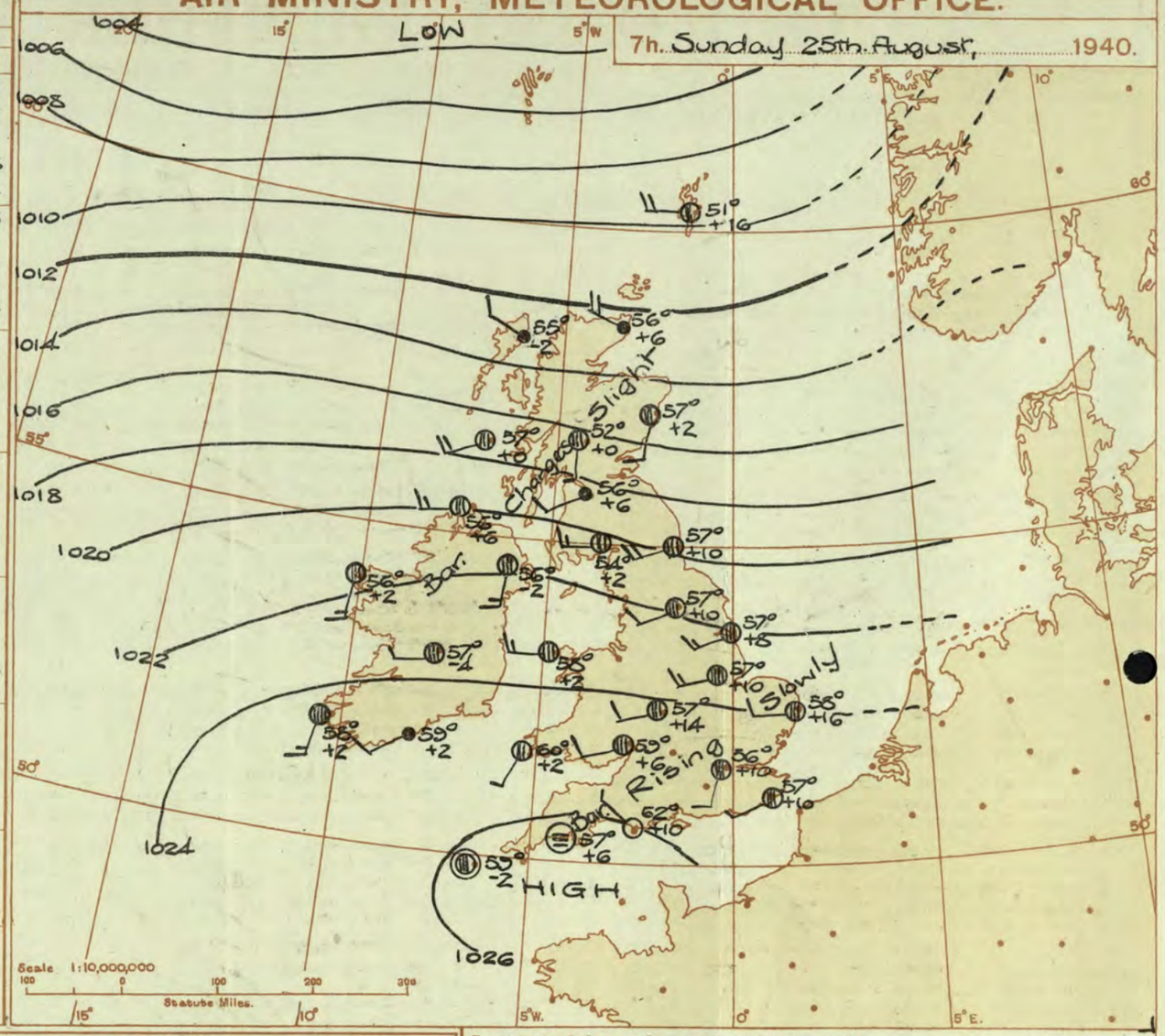
Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 24th. August			18h. G.M.T.			01h. G.M.T. 25th August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	5-	03527	24667	52	21736	24558	6-	64528	20668	79	01844	22354
115	--	67109	20469				--	67109	24469	52	61734	24467
203												
206	53	02845	28366	57	02958	24426	53	02965	24525	57	02955	22226
210	52	53846	21368	57	02946	22527	53	02854	56615	57	02854	22426
220	52	02745	27328	52	21626	26358				62	22626	24468
230	52	51737	26268				5-	02848	20428			
245	5-	61957	24267	54	02954	24465	07	01890	20325	77	02961	23427
260	84	02855	55416	53	02745	24426	55	02754	57516	04	02890	20315
277				5-	51758	28458	5-	02767	23327	5-	02867	20427
279												
285	6-	03638	24528									
288	77	02865	26327	84	02855	24435	50	00862	24122	57	02864	20217
273	18	01754	29616									
301	57	21846	28358	5-	02757	25427	5-	05658	23328	5-	02767	24327
321	7-	02762	27417	5-	05667	27327	04	05690	26212	5-	05657	24227
299	57	01744	26316									
292	87	02858	24227	84	01863	26424	04	00890	26211	50	02863	24216
310		05528	26428									
316	[illegible]	[illegible]	26317	46	02755	24457	52	02655	24127	5-	02668	24128
333	52	218[illegible]	26358	5-	02867	24327	53	02755	23227	5-	02968	24128
334	--	[illegible]346	28327	--	02855	26327						
340	[illegible]	[illegible]	27428	5-	02866	27426	5-	02767	24227	5-	02857	24127
136	[illegible]	[illegible]	24301	17	05662	26327	5-	05668	23328	5-	02768	23328
336	-	[illegible]3553	32517	--	02864	28527						
350				76	02864	26315						
368	74	[illegible]	24410	74	02855	23427				7-	02767	23227
379	73	01851	26318	78	02863	26327	5-	05658	22228	5-	02758	22228
390	[illegible]	[illegible]	28401									
382	04	01820	28404	5-	02857	26227	5-	05656	00026	5-	05668	22128
438	00	00700	22400							81	02754	02317
430	00	00890	28200	43	01873	22413	00	00790	00003	03	02890	24116
409	13	01844	32324	5-	01844	32214	5-	02746	30116	54	09626	14227

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Sunday 25th. August, 1940.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 25th. August, 1940
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light winds becoming southwesterly; generally fair, cloud mainly clearing in south and southeast, local fog in south in the morning; becoming rather warm.
5 S.W. England 6 South Wales ...	Light variable winds; fair to fine, local morning fog; rather warm.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Wind west to southwest, light to moderate; mainly cloudy, some light local rain or drizzle today, fair tomorrow; becoming warmer.
13 A. W. Scotld. B.N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Winds west moderate to fresh, backing southwest; cloudy or dull, occasional rain or drizzle, but amounts usually small; rather cool.
17 N. W. Ireland 18 N. E. Ireland	As 7-12
19 S. E. Ireland 20 S. W. Ireland	Light variable to southerly wind; cloudy with slight occasional drizzle near the southwest coast, fair elsewhere; rather warm.

GENERAL INFERENCE.

An anticyclone is now centred over the English Channel and its approaches and the centre is moving eastwards. Pressure is low over Iceland and to the northward. Weather will be fair and warmer over the southern half of the British Isles and the afternoon will be mainly sunny at least in the South and Southeast of England. In northern districts conditions will be generally cloudy with some light local rain or drizzle, with rather more general rain in North Scotland.

FURTHER OUTLOOK.

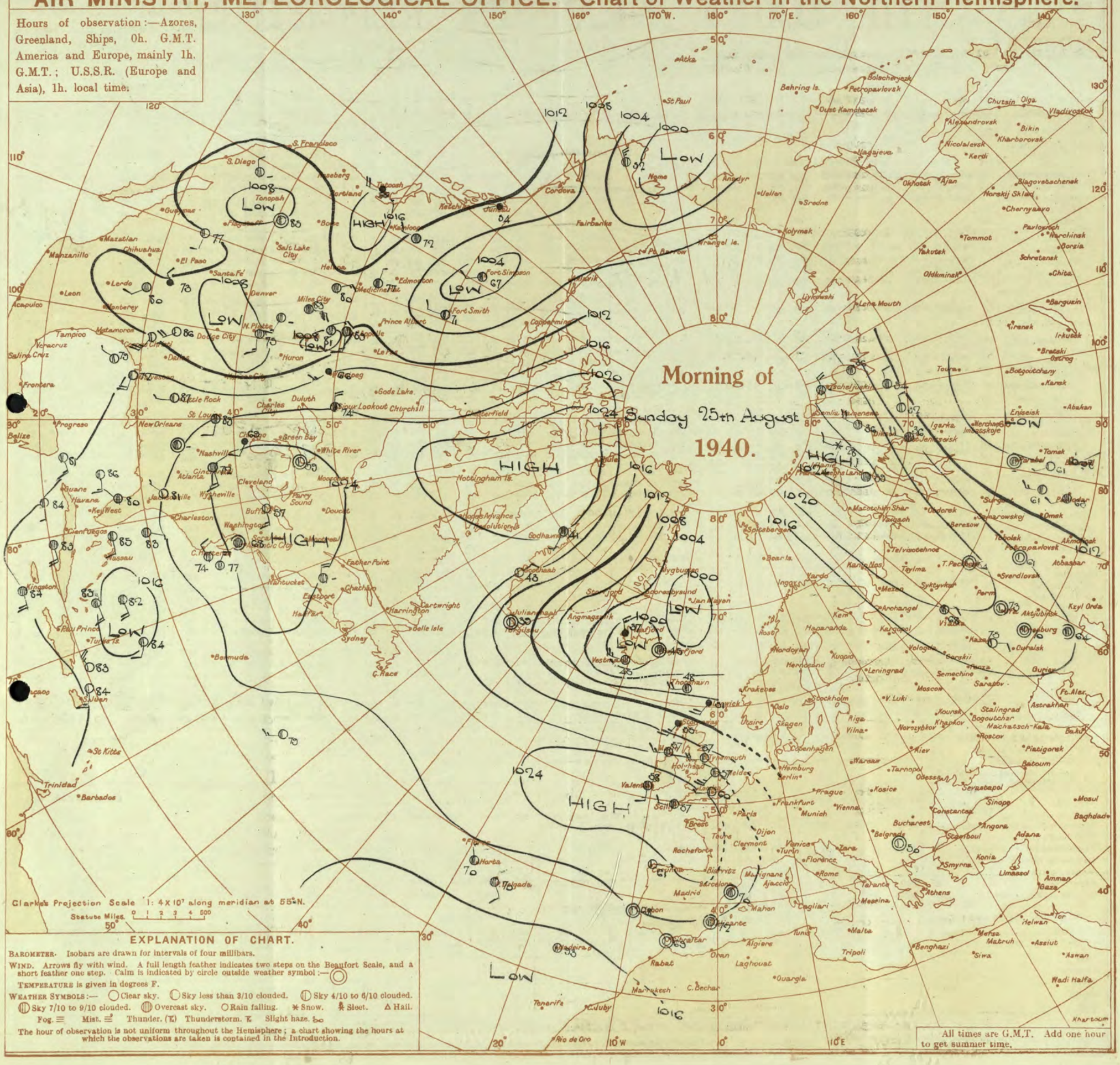
Fair or fine except in the extreme Northwest; rather warm.

Forecasts issued at 10.30. GMT.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 25th August 1940.

No. 28,766

OBSERVATIONS at 1 hr. G.M.T. 25th August

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	•	•	–	0	bc	*	*	7	-	-	•	0	2-3	-
	S. Farnborough	226	1024·5	+4	SW'S	1	bc	52	92	7	-	-	6	0	2-3	-
	Boscombe Down	417	1024·7	0	W	2	m	55	97	4	5	-	-	10	10	2000
	Calshot (Sthmtn.)	8	1024·4	+6	W	2	b	55	92	7	-	-	-	0	0	-
	Lympne ...	346														
	Manston ...	154														
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1022·8	+6	WNW	8	bc	57	85	7	5	-	-	4-6	4-6	5000
	Gorleston ...	5	1021·2	+6	WNW	2	c	58	85	7	5	-	-	9+	9+	1500
	Mildenhall ...	19	1022·4	+4	W	4	c	59	75	/	5	2	-	9	10	4300
	Cranwell ...	240	1021·6	+2	W	3	z₀	58	85	6	5	-	-	10	10	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1023·7	+2	WSW	2	c	58	85	7	5	-	-	9+	9+	3500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1025·1	-2	NW	2	c	60	92	8	5	4	-	4-6	9	1500
	Bristol ...	209	1024·9	-2	W	2	z₀	57	97	6	5	-	-	7-8	7-8	3000
	Portland Bill ...	32	1024·9	+8	W	2	b	59	92	8	-	-	-	0	0	-
	Plymouth ...	82	1026·0	+2	NNW	1	b	55	92	8	5	-	-	Tr	Tr	3500
	The Lizard ...	240	1026·3	-2	NW'W	1	bc	55	97	7	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1026·5	0	W'N	2	c	57	97	7	5	3	-	2-3	9+	2400
	Guernsey ...	175														
6	Pembroke ...	142	1024·9	0	W	3	c	59	97	7	5	-	-	9+	9+	1800
7	Holyhead ...	26	1023·0	-2	W'N	3	c	59	85	8	5	-	-	9+	9+	3200
	Chester (Sealand)	16	1022·6	0	W'N	2	z₀	59	75	6	5	-	-	10	10	3800
8	Manchester ...	70	1022·3	-2	W'S	3	z₀	57	85	6	5	-	-	10	10	3500
10	Spurn Head ...	29	1020·2	+4	W'S	5	bc	57	85	7	-	4	-	0	2-3	-
	Catterick ...	175	1020·0	0	W	2	bc	57	75	8	5	-	-	2-3	2-3	3000
	Tynemouth ...	108	1018·4	+6	W	4	bc	57	85	6	2	-	-	2-3	2-3	3200
11	St. Abbs Head	280	1017·3	+4	WNW	4	bc	56	85	8	4	4	7	2-3	4-6	3200
	Leuchars ...	36	1016·2	0	SW	4	c	57	75	8	5	3	-	4-6	9+	2500
12	Renfrew (Abbots I.)	19	1019·5	+2	WSW	3	c	57	85	7	8	-	-	9+	9+	5600
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1021·9	+2	WNW	4	c	57	92	8	5	2	-	4-6	10	2500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1014·0	-6	SW	5	r₀r₀	55	97	5	5	-	-	10	10	450
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1012·2	0	W	3	S/pr	56	92	7	8	6	-	4-6	7-8	1500
16	Lerwick ...	156	1008·6	-2	WSW	4	id	51	97	5	5	2	-	7-8	9+	450
17	Blacksod Point	18	1022·7	-6	WSW	5	c	58	92	8	-	7	-	0	10	-
18	Malin Head ...	84	1020·6	-4	W	3	c	57	85	8	3	-	-	7-8	7-8	5700
	Aldergrove ...	268	1022·1	-2	SW'W	2	c	56	92	8	5	-	-	10	10	4000
19	Birr Castle ...	173	1024·8	-4	W	1	c	57	85	8	5	-	-	10	10	2500
20	Valentia Obsy.	30	1025·2	-4	S	3	c	58	85	8	5	-	-	9+	9+	4000
	Roches Point	22	1024·9	-4	N'W	2	c	60	85	8	5	-	-	7-8	7-8	2500

OBSERVATIONS at 7 hr. G.M.T. 25th August

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1025·5	+10	SW'S	2	c	56	85	7	5	-	-	10	10	1500	0	*
Croydon	*	*	WNW	1	c	*	*	7	5	3	-	1	10	4000	*	*
S. Farnborough	1025·8	+8	-	0	c	55	97	7	5	-	-	9+	9+	3000	0	*
Boscombe Down	1025·9	+10	-	0	z₀	55	97	6	5	-	-	10	10	2500	0	*
Calshot (Sthmtn.)	1025·7	+10	-	0	z₀	57	97	5	5	-	-	10	10	450	0	0
Lympne	1025·0	+10	SW	1	c	57	85	7	5	7	-	2-3	7-8	3000	0	§1
Manston																*
Shoeburyness	1025·1	+14	W	2	c	59	85	6	5	7	-	9+	10	4000	0	*
Felixstowe	1024·7	+14	W	3	z₀	59	75	6	5	-	-	9+	9+	4500	0	1
Gorleston	1023·8	+16	W	2	c	58	85	6	5	-	-	9+	9+	2500	0	1
Mildenhall	1024·1	+14	W	3	c	58	75	8	5	7	-	7-8	9+	3500	0	*
Cranwell	1023·4	+10	W'S	3	c	57	75	7	5	-	-	10	10	2500	0	*
Birmingham	1024·3	+14	WSW	2	c	57	85	8	5	-	-	10	10	4000	0	*
Upper Heyford	1024·7	+8	W	2	c	58	85	7	5	-	-	10	10	3000	0	*
Ross-on-Wye	1024·7	+6	SW'W	2	c	59	85	6	5	-	-	10	10	2500	0	*
Hartland Point	1025·2	+6	WSW	3	c	59	92	8	8	4	-	4-6	7-8	1500	0	2
Bristol	1025·8	+10	W	2	c	58	97	7	5	-	-	10	10	2000	0	*
Portland Bill	1026·0	+10	NW	1	b	62	75	8	-	-	-	0	0	-	0	2
Plymouth	1026·2	+6	-	0	f+	57	97	3	-	-	-	10	10	<150	0	1
The Lizard	1026·6	+4	-	0	c	58	97	8	8	2	-	7-8	9+	2500	0	1
Scilly (St. Mary's)	1026·1	-2	-	0	c	59	97	7	8	-	-	9+	9+	2400	0	1
Guernsey																
Pembroke	1025·0	+2	SW'S	1	c	60	97	7	8	-	-	10	10	1600	0	1
Holyhead	1023·4	+2	W	3	c	58	75	8	5	-	4	7-8	7-8	3500	0	2
Chester (Sealand)	1023·6	+6	W	2	c	58	75	8	5	-	-	10	10	4400	0	*
Manchester	1023·3	+10	W'S	2	c	57	85	7	5	-	-	10	10	3700	0	*
Spurn Head	1022·1	+8	SW'W	3	c	57	85	6	5	-	-	9+	9+	2500	0	2
Catterick	1021·5	+10	SW	2	c	57	85	9	5	-	8	9	9+	4000	0	*
Tynemouth	1019·9	+10	WSW	4	c	57	85	7	8	-	-	7-8	7-8	1400	0	2
St. Abbs Head	1017·0	0	WNW	5	bc	56	85	8	4	1	8	2-3	4-6	3200	0	3
Leuchars	1016·5	+2	WSW	4	c	57	75	8	5	7	-	1	9+	4000	0	*
Renfrew (Abbots I.)	1019·6	+6	SW	2	id₀	56	85	7	5	7	-	9+	10	1200	1	*
Eskdalemuir	1020·4	+2	W	3	c	54	85	7	5	-	-	10	10	2500	1	*
Point of Ayre	1021·9	0	W'N	4	c	57	85	8	5	-	-	9+	9+	4000	0	2
Tiree	1016·8	0	WSW	4	c	57	85	7	5	-	-	9+	9+	1500	0	3
Stornoway	1013·0	-2	WNW	2	d₀d₀	55	97	6	5	2	-	7-8	10	900	1	1
Dalwhinnie	1017·1	0	S	1	c	52	85	7	5	5	-	4-6	7-8	800	1	*
Aberdeen	1014·9	+2	SW	2	c	57	75	8	-	9	8	0	7-8	-	0	2
Wick	1012·6	+6	WNW	4	id₀	56	92	6	5	2	-	7-8	10	450	1	2
Lerwick	1009·8	+16	W	4	bc	51	85	7	5	3	-	4-6	4-6	1500	1	*
Blacksod Point	1021·6	+2	S'W	3	c	56	97	8	4	5	-	2-3	7-8	2500	0	3
Malin Head	1019·4	-6	W	3	c	56	85	8	8	-	-	7-8	7-8	5700	0	2
Aldergrove	1021·5	-2	SSW	3	c	56	85	8	5	-	-	9+	9+	4000	0	*
Birr Castle	1023·7	-4	W	1	c	57	85	8	5	1	-	7-8	10	2500	0	*
Valentia Obsy.	1024·7	+2	SSW	3	q/p	58	92	8	5	-	-	10	10	2500	0	2
Roches Point	1025·2	+2	SW'W	2	id₀	59	92	8	5	-	-	9+	9+	1500	0	1

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 24th Hrs. (36)
London (Kew)	69	53	39	-	-	8·8
Croydon	*	*	*	*	*	*
S. Farnborough	71	50	40	-	-	10·6
Boscombe Down	70	52	48	-	-	9·9
Calshot (Sthmtn.)	70	54	49	-	-	11·2
Lympne	*	*	*			11·3
Manston						
Shoeburyness	71	53	41	-	[illegible]	10·3
Felixstowe	70	55	50	-	-	9·9
Gorleston	67	55	50	-	-	7·0
Mildenhall	70	54	48	-	-	8·7
Cranwell	69	56	56	-	-	8·9
Birmingham	65	57	53	Tr	Tr	8·2
Upper Heyford	70	55	41	-	-	*
Ross-on-Wye	71	58	57	-	-	9·7
Hartland Point	63	58	53	-	-	3·2
Bristol	72	55	46	-	-	11·3
Portland Bill	64	55	*	-	-	*
Plymouth	65	49	41	-	-	10·8
The Lizard	69	54	*	Tr	-	8·9
Scilly (St. Mary's)	68	56	*	-	-	4·6
Guernsey						
Pembroke	64	58	*	-	-	4·2
Holyhead	65	57	56	Tr	-	1·3
Chester (Sealand)	65	58	54	-	-	2·3
Manchester	64	56	54	Tr	Tr	2·7
Spurn Head	65	54	*	-	-	8·4
Catterick	67	52	42	-	Tr	7·3
Tynemouth	66	55	50		-	*
St. Abbs Head	65	55	*	-	-	*
Leuchars	69	55	49	-	-	1·2
Renfrew (Abbots I.)	64	56	53	Tr	Tr	1·1
Eskdalemuir	63	52	51	Tr	0·1	3·8
Point of Ayre	67	56	*	0·1	-	1·0
Tiree	61	55	*	0·4	0·1	0·0
Stornoway	58	54	*	2	3	0·0
Dalwhinnie	60	50	49	-	-	0·4
Aberdeen	65	55	50	Tr	-	0·9
Wick	59	52	*	2	1	*
Lerwick	52	49	*	0·2	0·6	0·0
Blacksod Point	62	55	*	-	0·3	*
Malin Head	60	54	*	0·5	3	0·1
Aldergrove	63	55	54	Tr	-	0·1
Birr Castle	66	56	55	-	-	0·[illegible]
Valentia Obsy.	63	58	56	0·8	-	0·6
Roches Point	67	58	*	-	Tr	*

LONDON OBSERVATIONS

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

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temperature Day Max. °F.	Temperature Night Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	bccbcby	bccd	cycmw	69	53	39	-	-	8·8	•	•	6
Croydon	217												
Greenwich (Royal Observatory)	149	bm₀	bbcc	cbcc(T)	71	54	43	-	-	8·9	44	80	6
City (Bunhill Row)	—	•	•	•									
Westminster (St. James' Park)	27	•	•	•	71	54	47	-	-		59	89	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•									•
Camden Square	110	bc	bc	•	72	55	46	-	-	•	•	83	•
Kensington	80	bc	bcc	•	71	54	46	-	-		52	85	•
Hampstead Observatory	450	bc	bc	c	70	53	46	-	-		•	91	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 25th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.
0·1	7-9h. 24th.	<0·1	rest of period

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 24th August Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 25th August Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris														
Brussels														
Berlin														
Zürich														
Rome											•	•		

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 —Code for surface visibility.

Code		Objects not visible at
0	Dense fog	55 yards.
1	Thick fog	220 ,,
2	Fog	550 ,,
3	Moderate fog	1,100 ,,
4	Mist or haze	1¼ miles.
5	Poor visibility	2½ ,,
6	Moderate ,,	6¼ ,,
7	Good ,,	12½ ,,
8	Very good ,,	31 ,,
9	Excellent ,,	beyond 31m.

COLUMN 30 —Code for State of Sea.

0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Precipitous.
4 Rough. 9 Confused.

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

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Monday 26th August, 1940.

No. 28,767

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Amount Low 0–10 (12)	Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1025·8	-2	W'S	3	c	66	65	8	5	-		10	10	1500
	Croydon	*	*	W	2	c	*	*	6	5	3	*	4-6	10	3000
	S. Farnborough	1025·8	-4	W	2	c	69	65	8	8	-	-	9+	9+	4000
	Boscombe Down	1025·4	-8	SW'S	2	c	68	55	8	5	3	-	7-8	9+	4000
	Calshot (Soton.)	1025·9	-2	SW'W	4	bc	71	65	8	2	-	5	2-3	2-3	4500
	Lympne	1025·9	-2	SW	2	c	67	55	8	7	-	-	10	10	2500
	Manston														
2	Shoeburyness	1025·8	-4	W'S	1	c	65	75	6	8	7	-	9	10	4000
	Felixstowe	1025·4	+2	WSW	3	c	67	55	7	5	3	-	9	9+	4000
	Gorleston	1024·7	+2	WNW	3	c	66	65	7	5	-	-	9	9	2500
	Mildenhall	1024·7	-2	W'S	4	c	67	55	8	7	7	-	7-8	9+	3500
	Cranwell	1024·4	0	W	4	c	64	55	7	5	-	-	10	10	2500
3	Birmingham	1024·6	0	WSW	2	c	64	65	8	5	7	-	4-6	10	4000
	Upper Heyford	1025·3	-2	WSW	3	c	63	65	8	5	7	-	7-8	10	2000
4	Ross-on-Wye	1025·1	0	SW	3	c	64	75	7	5	-	-	10	10	2500
5	Hartland Point	1026·3	+2	W	3	c	62	92	8	7	6	-	4-6	9+	1500
	Bristol	1025·9	-2	W	2	c	69	75	8	1	3	1	2-3	9+	3500
	Portland Bill	1026·6	+2	W	1	bc	63	92	8	5	4	-	4-6	4-6	4000
	Plymouth	1026·7	-2	S	2	c	64	75	7	7	3	-	7-8	9	1800
	The Lizard	1027·3	+2	SW	2	c	65	85	8	8	6	-	7-8	9+	2000
	Scilly (St. Mary's)	1027·0	+6	SSW	2	c	66	45	8	8	7	-	4-6	10	1500
	Guernsey														
6	Pembroke	1025·4	+2	W'S	4	c	62	85	7	5	2	-	7-8	9+	2800
7	Holyhead	1023·7	-6	SSW	4	c	62	75	8	8	-	-	10	10	3500
	Chester (Sealand)	1024·4	0	SW'W	1	c	65	55	8	5	-	-	7-8	10	3000
8	Manchester	1024·0	0	W'S	4	c	64	55	8	5	-	-	10	10	4400
10	Spurn Head	1023·3	+6	SW'W	4	o	63	65	6	5	-	-	10	10	2500
	Catterick	1022·4	+6	WSW	3	c	62	65	8	5	-	-	9+	9+	3500
	Tynemouth	1020·6	0	W	4	c	65	55	8	8	3	-	4-6	7-8	2800
11	St. Abbs Head	1017·6	0	WNW	4	c	62	65	8	4	1	8	4-6	9	3600
	Leuchars	1017·0	+2	WSW	5	c	63	65	8	2	7	-	4-6	9	2500
12	Renfrew (Abbots I.)	1019·6	0	SW'W	4	c/d	60	85	8	5	7	-	7-8	9+	800
	Eskdalemuir	1020·5	+2	WSW	5	c	58	75	8	5	-	-	9+	9+	2500
	Point of Ayre	1022·3	0	W'S	5	c	65	75	8	5	-	-	9+	9+	4000
13A	Tiree	1016·8	0	SW'W	5	o	58	92	7	5	-	-	10	10	1200
13B	Stornoway	1014·2	+2	W	4	c	56	85	7	8	7	-	9	9+	1000
15	Dalwhinnie	1016·7	-4	SW	3	c	59	85	7	5	-	-	9	9	1500
	Aberdeen	1015·1	0	W'N	4	c	65	55	8	7	9	8	1	9	4000
	Wick	1013·3	+4	WNW	3	c/d	54	97	8	6	7	-	7-8	3	300
16	Lerwick	1010·5	+2	SW'W	5	c	54	85	8	5	7	-	7-8	9	1500
17	Blacksod Point	1022·8	+2	SW	4	c	62	92	8	7	-	9	7-8	7-8	1500
18	Malin Head	1020·1	+6	W	5	c	60	85	8	6	-	-	9	9	5700
	Aldergrove	1021·4	-2	WSW	3	c	62	75	8	8	-	-	10	10	3500
19	Birr Castle	1023·9	+2	WSW	1	PR	63	85	7	8	1	-	7-8	10	1500
20	Valentia Obsy. †	1025·3	+2	SW'W	3	id	59	92	6	5	-	-	10	10	1500
	Roches Point	1025·2	-2	SW	3	c	62	85	8	8	-	5	4-6	7-8	2500

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Amount Low 0–10 (26)	Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1025·1	-4	SW'S	2	c	63	75	8	5	-	-	10	10	1500	0	*
Croydon	*	*	—	0	c	*	*	7	5	2	*	7-8	9+	3500	*	*
S. Farnborough	1025·4	-2	S	3	c	66	65	8	7	3	-	7-8	9+	2500	0	*
Boscombe Down	1024·8	-2	SSW	2	c	65	75	8	5	7	-	7-8	9	2500	0	*
Calshot (Soton.)	1025·5	-2	WSW	3	bc	64	75	8	1	3	-	Tr	4-6	4000	0	2
Lympne	1025·7	+2	SW	1	bc	59	85	8	5	-	1	2-3	2-3	5700	0	§2 *
Manston																
Shoeburyness	1025·1	-2	SW'S	1	c	64	75	8	-	3	-	0	9+	-	0	*
Felixstowe	1025·1	-2	SW'W	3	c	66	65	7	5	3	-	2-3	9+	3000	0	1
Gorleston	1024·2	-2	NW	1	c	66	65	6	5	-	-	9+	9+	2500	0	2
Mildenhall	1024·5	+2	WSW	3	c	67	55	8	5	-	-	9+	9+	4000	0	*
Cranwell	1024·0	-4	W	3	c	65	65	7	5	-	-	10	10	3000	0	*
Birmingham	1025·0	0	SW	1	c	61	75	8	5	7	-	9	10	2500	0	*
Upper Heyford	1024·7	-2	W	2	c	66	65	8	5	-	-	10	10	5000	0	*
Ross-on-Wye	1024·5	-4	W	3	c	65	65	8	5	-	-	9+	9+	2500	0	*
Hartland Point	1026·1	0	W	3	c	62	85	8	8	6	-	4-6	9+	2000	0	2
Bristol	1025·9	+2	W	2	c	64	75	8	5	-	8	9+	9+	3800	0	*
Portland Bill	1026·3	-10	WSW	1	bc	61	92	8	1	4	-	4-6	4-6	4000	0	2
Plymouth	1026·2	-2	SSW	1	c	62	85	7	5	3	-	7-8	9	2000	0	1
The Lizard	1027·0	+4	W'N	1	bc	62	85	8	8	6	-	4-6	4-6	3000	0	1
Scilly (St. Mary's)																
Guernsey																
Pembroke	1025·8	0	WSW	3	c	61	92	8	5	-	-	10	10	2500	0	1
Holyhead	1023·1	0	SW	3	c	60	85	8	5	-	-	10	10	3000	0	2
Chester (Sealand)	1023·5	-6	SW'W	2	c	65	55	8	5	-	-	9+	9+	3500	0	*
Manchester	1023·5	-2	W	3	c	62	75	8	5	-	-	10	10	3800	0	*
Spurn Head	1023·0	0	SW	2	c	62	65	6	5	2	-	7-8	10	2500	0	2
Catterick	1022·1	+6	WSW	2	c	61	75	9	5	-	9	7-8	9	4000	0	*
Tynemouth	1020·5	+6	W	4	c	63	65	7	2	3	1	4-6	7-8	3200	0	2
St. Abbs Head	1017·6	+2	W	4	c	63	65	9	4	5	4	2-3	7-8	3600	0	3
Leuchars	1017·1	0	WSW	4	bc	62	75	8	8	7	1	4-6	4-6	2200	0	*
Renfrew (Abbots I.)	1019·5	-2	WSW	4	id	59	85	7	5	-	-	10	10	900	1	*
Eskdalemuir	1020·7	+2	WSW	3	dodo	56	92	7	-	2	-	10	10	800	1	*
Point of Ayre	1021·5	-2	W'S	4	c	62	85	8	5	-	-	9+	9+	4000	0	2
Tiree	1017·8	+4	W	3	c	57	85	7	5	-	-	7-8	7-8	1500	0	3
Stornoway	1014·9	+8	WSW	5	c	55	75	8	5	7	-	7-8	9+	2500	1	3
Dalwhinnie	1016·8	-2	SW	4	id	55	85	7	8	-	-	7-8	7-8	800	1	*
Aberdeen	1014·6	-2	W	4	bc	66	55	8	8	8	-	2-3	2-3	2500	0	1
Wick	1013·4	+4	W	2	c	55	85	8	5	7	-	4-6	7-8	1500	1	1
Lerwick	1011·0	+2	SW	4	c	52	85	8	5	7	-	4-6	7-8	1500	0	*
Blacksod Point	1022·6	+2	WSW	4	c	59	97	7	9	-	-	9+	9+	1500	0	3
Malin Head	1020·0	+2	SW	4	c	59	85	8	9	-	-	9	9	5700	0	3
Aldergrove	1021·4	+2	W'S	3	c	62	75	8	8	-	-	9+	9+	3000	0	*
Birr Castle	1024·0	+2	W	1	c	62	75	8	5	1	-	7-8	10	2500	0	*
Valentia Obsy. †	1025·0	0	S	3	c	62	85	9	8	3	-	4-6	9+	1500	0	2
Roches Point	1024·7	-2	SW	2	c	63	85	8	8	-	5	4-6	7-8	2500	0	2

PAST 24 HOURS.

Stations	Weather 7h.—13h. 25th (37)	Weather 13h.—18h. 25th (38)	Weather 18h. 25th to 1h. 26th (39)	Weather 1h.—7h. 26th (40)
London (Kew)	cwcmoc	cyc	c	cmow
Croydon	*	*	*	*
S. Farnborough	o	c	cbcc	cmobc
Boscombe Down	cmoc	c	cbc	c
Calshot (Soton.)	cmobcy	b	bccbc	c
Lympne	c	cbc		fgecmof
Manston				
Shoeburyness	cmo	czoc	c	cbcmo
Felixstowe	ccy	cyc	c	cmoc
Gorleston	c	c	c	c
Mildenhall	ccy	cy	cyccmo	cmoc
Cranwell	c	c	ccz0	czomo
Birmingham	c	c	cbc	bcc
Upper Heyford	cir0c	c	cbcc	cmoc
Ross-on-Wye	c	cpocc	c	c
Hartland Point	c	c	c	c
Bristol	c	c	cbcc	cir0doir
Portland Bill	bbc	bc	bcc	c
Plymouth	b,cmoc	ccmoc	cemo	cmo
The Lizard	c	cbc	bcw	cbc
Scilly (St. Mary's)	c		bccw	cbcw
Guernsey				
Pembroke	c	c	c	ciro
Holyhead	c	c	c	c
Chester (Sealand)	cyc	cy	cbcc	cbcc
Manchester	ccy	cyc	ccmoc	bcccmo
Spurn Head	co	co	c	c
Catterick	c	c	bcbbcw	cwc
Tynemouth	c	cbcc	cbcc	c
St. Abbs Head	c	c	c	c
Leuchars	c	cbc	bc	bccoddom
Renfrew (Abbots I.)	cir0doido	cido	cidoDDmo	cmoidodo
Eskdalemuir	cmoc	ir0dodo	r0r0	r0r0cmo
Point of Ayre	c	c	c	idoc
Tiree	co	bcc	odr	oir
Stornoway	cdodopr	cpr	pro	
Dalwhinnie	cido	cido		ciro
Aberdeen	bccy	cybcy	bcebc	circ
Wick	cdomo	domoc	c	bcprc
Lerwick	bcc	cpro	cpr	cprbc
Blacksod Point	c	proc	c	c
Malin Head	ccproc	cidocdodc	cido	cproce
Aldergrove	c	c	ccidoc	ccidoc
Birr Castle	cpr	c	c	c
Valentia Obsy. †	ciroido	bidocv	cprcbc	bcbwcvc
Roches Point	c	c	idobc	cwbcw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s_o, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s_o/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. • r_o, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
⊕ Solar halo. ⦶ lunar halo. Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29—STATE OF GROUND.

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

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

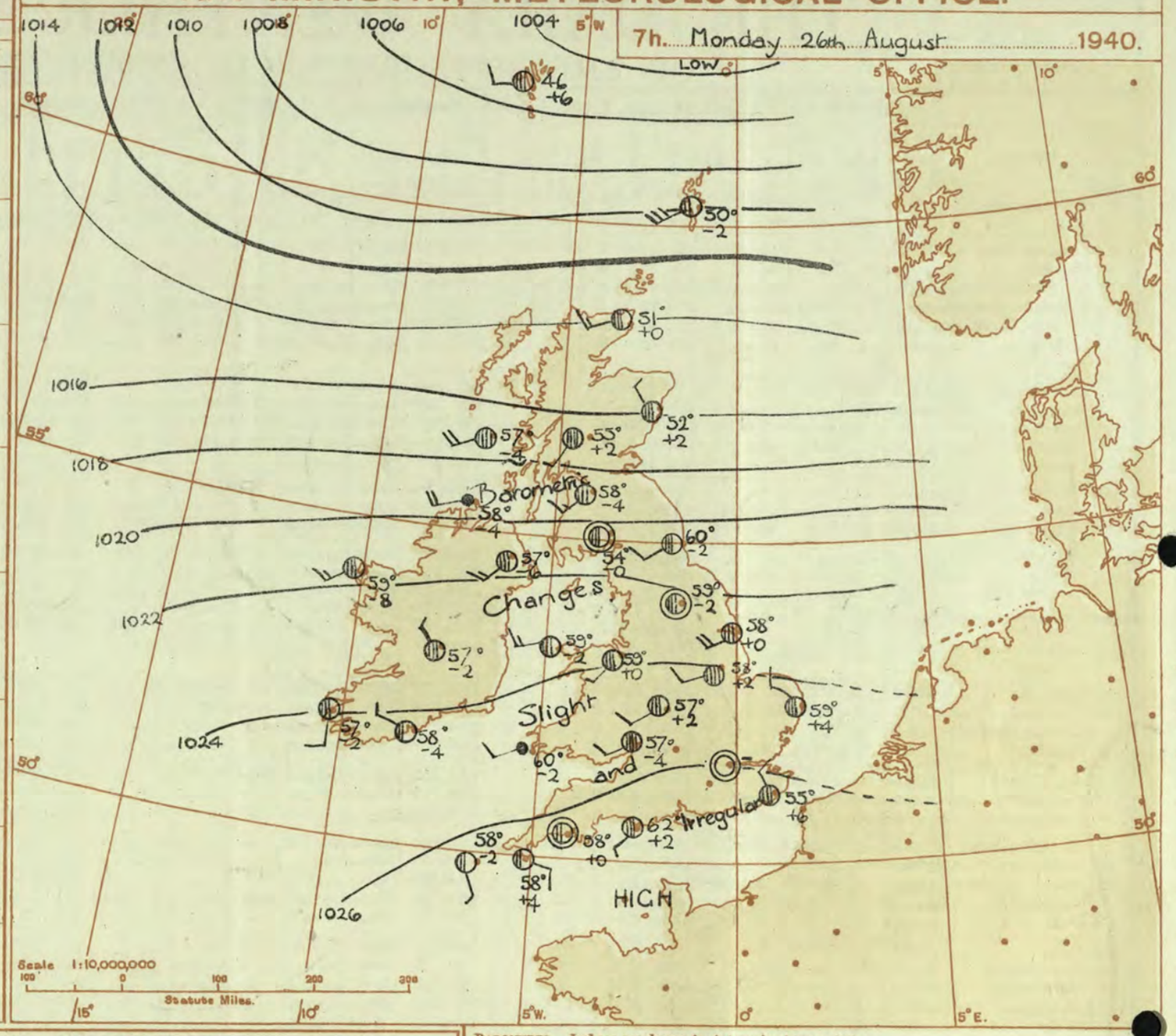
Abridged observations of additional stations in the
AVIATION WEATHER CODE

	18h. G.M.T. 25th August				18h. G.M.T.				01h. G.M.T. 26th August				07h. G.M.T.			
III	$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN		$C_L C_M$	wwVhN$_h$	DDFWN	
109	70	01863	22453		77	02745	24516		7-	81747	23487		83	02854	22386	
118	87	02834	22465		87	02844	22525		51	81854	57585		52	02744	20487	
203																
206	57	02955	23426						5-	01965	20215		5-	02964	24116	
210	57	02865	20527		9-	25047	28587		53	02865	22217					
225	5-	51528	24358		53	01843	23204						5*	54628	24258	
230					83	22844	20566									
245	77	02953	22427		84	01864	22425		57	01862	26125		57	51735	22357	
260	57	10756	55627		73	02754	22825		5-	02766	22226		57	02844	20316	
277	7-	02857	21527		57	51856	21327		5-	51758	22458					
279																
285													23	02734	28517	
288	57	02866	22427		57	02863	22426		03	02890	18315		57	21763	18325	
273																
305	5-	02868	23328		7-	02867	21428		50	02867	22327					
325	50	05664	24425		57	02765	24228		5-	05667	24227		5-	05667	23327	
298	8-	02746	22216		57	02745	24316									
298	8-	02867	22427		53	02865	20427		50	01764	00014		5-	05677	22117	
310													--	02628	26348	
316	5-	02768	22328		5-	02766	22227		57	05664	00017		5-	05667	24127	
333	5-	02967	20327		7-	02967	22327		7-	02867	24327		7-	02867	22227	
334													--	02867	22227	
340	7-	02956	24328		5-	02957	22127		5-	02866	24226		73	02865	18128	
136	7-	02866	21416		5-	02767	23127		5-	02668	20128		5-	05667	20127	
336													--	02854	24427	
350													5-	02677	18227	
368	7-	02867	23427		7-	02865	24326		57	02745	24228		5-	22756	24166	
379	53	02755	24228		5-	02768	24328		5-	02756	24126		5-	02768	22228	
390	5-	05668	24128		5-	05677	24127									
382	22	02755	26328		57	02775	60028		53	05663	00014		5-	05667	24127	
438	50	01764	22314										5-	02768	32118	
430	50	01765	20315						03	05690	24115		53	05621	24116	
409	5-	02865	22527		5-	02868	21228		53	01853	12125		55	01951	00023	

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday 26th August 1940.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 26th August, 1940
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light variable winds; fair, becoming fine generally, some local early morning fog; becoming rather warm.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light to moderate westerly winds backing slowly; mainly cloudy today, probably becoming brighter tomorrow; average temperature becoming warmer.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland	Wind southwest moderate to fresh, decreasing; cloudy or dull, occasional light rain or drizzle; average temperature.
15 N. E. Scotland 16 Orkneys and Shetlands	Fresh westerly wind, decreasing, backing southwest; bright periods, local showers; cool.
17 N. W. Ireland 18 N. E. Ireland	As 7-11
19 S. E. Ireland 20 S. W. Ireland	As 1-6

GENERAL INFERENCE.

A belt of high pressure extends from off our southwest coasts to Central Europe. A depression north of the Faeroes will move away eastwards but will be followed by another system now southeast of Greenland.

Weather will be fair over most of England, Wales and South Ireland, but rather unsettled in Scotland. Temperatures will rise over England.

FURTHER OUTLOOK.

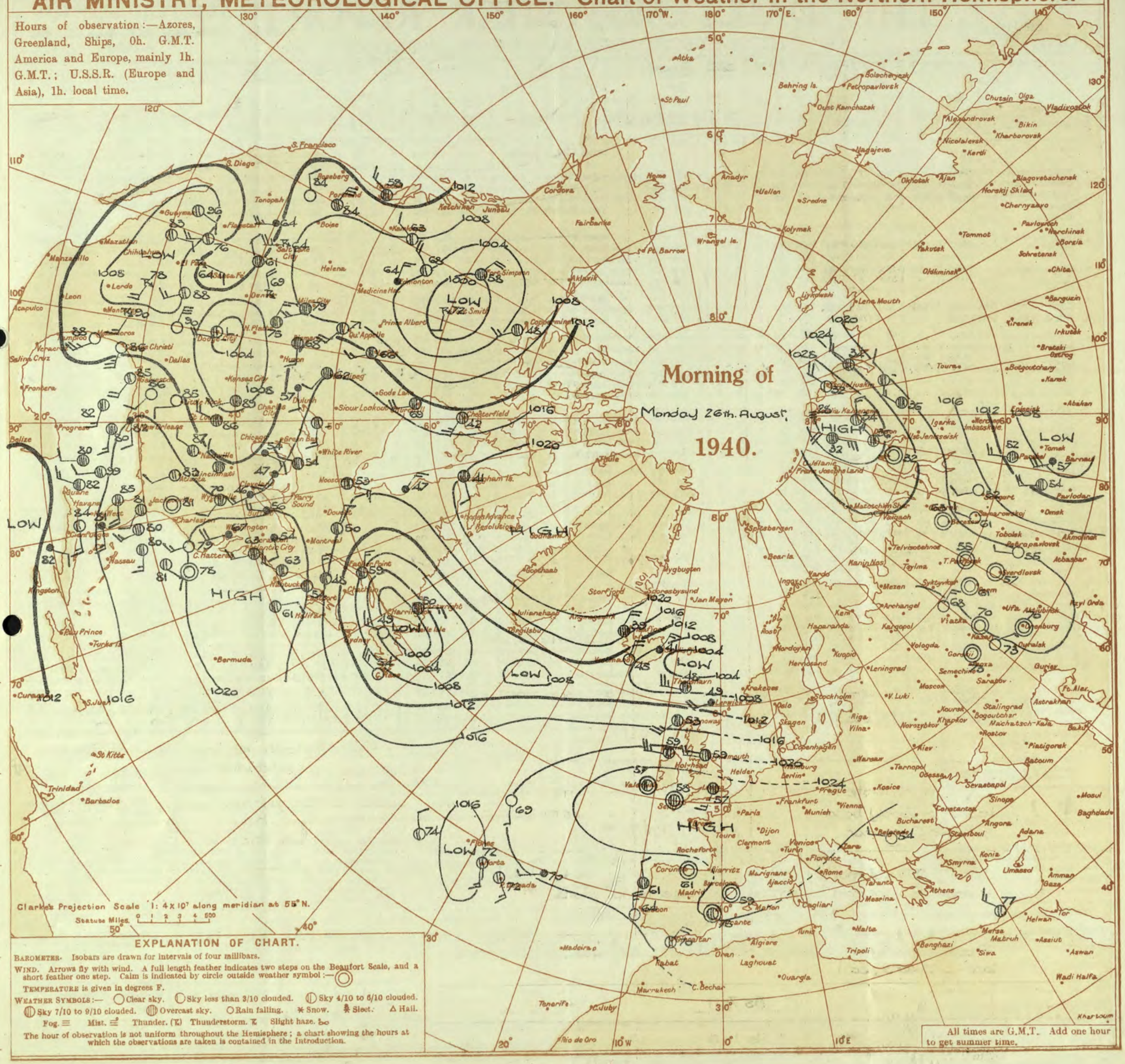
Fair and warm in the South and East.

Forecasts issued at 10.30. G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 26th August, 1940.

No. 28,767

OBSERVATIONS at 1 hr. G.M.T. 26th August

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217														
	S. Farnborough	226	1026·3	+4	W'S	2	Zo	59	75	6	5	-	-	9	9	4000
	Boscombe Down	417	1026·6	+4	WNW	1	c	55	92	7	-	7	-	0	7·8	-
	Calshot (Sthmtn.)	8	1026·3	+4	W	2	c	57	85	7	5	3	-	Tr	9	5700
	Lympne ...	346														
	Manston ...	154														
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1025·2	-2	SW	2	Zo	61	85	6	5	-	-	9+	9+	5500
	Gorleston ...	5	1024·5	0	W	2	c	62	85	6	5	-	-	9+	9+	2500
	Mildenhall ...	19	1024·9	+2	WSW	2	Zo	60	85	6	5	-	-	10	10	3000
	Cranwell ...	240	1024·3	0	SW	3	Zo	57	75	6	5	-	-	9+	9+	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1025·9	+4	W	2	Zo	53	92	6	5	3	6	2·3	7·8	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1026·4	0	W	3	c	61	85	8	5	-	-	9+	9+	2000
	Bristol ...	209	1026·8	+2	-	0	c	57	97	7	5	7	-	7·8	10	3500
	Portland Bill ...	32	1026·2	+6	W	1	c	60	92	8	5	-	-	10	10	4000
	Plymouth ...	82	1027·0	+2	E'N	1	Zo	60	85	6	5	-	8	9+	10	3500
	The Lizard ...	240	1027·1	-4	N	1	bc	58	85	7	8	3	-	4·6	4·6	2500
	Scilly (St. Mary's)	163	1027·1	-2	-	0	c	58	97	7	5	7	-	4·6	7·8	1800
	Guernsey ...	175														
6	Pembroke ...	142	1026·1	+2	W	3	c	60	97	7	8	-	-	9+	9+	2500
7	Holyhead ...	26	1023·9	+2	W'S	4	c	60	75	8	5	-	-	9+	9+	3800
	Chester (Sealand)	16	1024·2	0	WSW	1	c	59	85	7	5	-	-	10	10	7200
8	Manchester ...	70	1023·7	+2	SW'S	2	c	53	97	7	5	-	-	7·8	7·8	5000
10	Spurn Head ...	29	1023·3	-2	SW'W	3	c	59	85	6	5	-	-	9+	9+	1500
	Catterick ...	175	1022·2	-2	SW	1	c	57	92	7	-	4	5	0	7·8	-
	Tynemouth ...	108	1020·6	0	W	4	c	59	85	6	8	-	-	7·8	7·8	2500
11	St. Abbs Head	280	1018·4	+6	W	4	c	58	85	8	5	2	-	4·6	10	3600
	Leuchars ...	36	1017·8	+2	W	4	bc	57	85	8	5	6	-	2·3	4·6	3000
12	Renfrew (Abbots I.)	19	1020·0	+2	SW'S	2	Zo	58	92	6	5	-	-	9+	9+	1800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1022·5	0	W	3	c	59	92	8	5	-	-	7·8	7·8	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1015·4	+2	WSW	5	c	53	85	8	5	5	-	4·6	7·8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1014·6	+2	SW	3	c	51	85	7	5	7	-	7·8	9	1500
16	Lerwick ...	156	1010·8	+2	SW	4	pr	49	85	7	8	7	-	4·6	7·8	1500
17	Blacksod Point	18	1022·9	0	S'W	3	c	59	97	7	5	-	-	9	9	800
18	Malin Head ...	84	1020·7	+4	W	5	c	59	85	6	8	-	-	9+	9+	1500
	Aldergrove ...	268	1022·3	0	SW'W	3	c	58	85	8	5	-	-	9	9	4500
19	Birr Castle ...	173	1024·8	-2	W	1	c	57	92	8	5	-	-	10	10	1500
20	Valentia Obsy.	30	1025·5	-2	-	0	bc	57	92	9	5	3	1	4·6	4·6	2500
	Roches Point	22	1025·8	0	WSW	1	bc	59	92	8	5	-	-	4·6	4·6	1500

OBSERVATIONS at 7 hr. G.M.T. 26th August

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1026·1	+6	SW'W	1	Zo	58	85	6	5	3	9	2·3	7·8	4000	0	*
Croydon ...	*	*	-	0	b	*	*	7	-	4		0	1	-	*	*
S. Farnborough	1026·5	+6	-	0	c	53	97	7	5	3	1	4·6	7·8	5700	0	*
Boscombe Down	1026·4	+2	-	0	c	56	92	8	5	-	-	9+	9+	4000	0	*
Calshot (Sthmtn.)	1026·4	+2	WNW	1	c	60	85	7	5	-	-	10	10	4500	0	1
Manston ...	1026·3	+6	NW'N	1	c/f	55	92	5	5	-	-	9+	9+	4000	*	§2 *
Shoeburyness ...	1025·8	+4	W'S	2	bc	60	85	6	-	4	2	0	4·6	-	0	*
Felixstowe ...	1025·4	+6	W'N	2	c	61	75	7	5	-	-	9+	9+	6000	0	1
Gorleston ...	1024·3	+4	WNW	2	c	59	85	6	5	3	-	7·8	9+	2700	0	1
Mildenhall ...	1024·8	+2	WSW	2	c	57	85	7	5	-	-	9+	9+	5500	0	*
Cranwell ...	1024·4	+2	WSW	2	c	58	85	7	5	-	-	10	10	2500	0	*
Birmingham ...	1024·6	+2	SW	2	c	57	85	8	5	-	-	10	10	4000	0	*
Upper Heyford	1025·7	+2	WSW	1	c	54	92	7	5	-	-	10	10	5000	0	*
Ross-on-Wye	1025·2	-4	SW	2	Zo	57	92	6	5	-	-	10	10	4000	0	*
Hartland Point	1025·7	+2	SW	2	c	60	97	8	5	6	-	7·8	9+	1400	0	2
Bristol ...	1026·3	+4	-	0	dodo	59	97	8	5	7	-	4·6	10	1500	1	*
Portland Bill ...	1026·0	+2	SW	1	c	62	92	8	5	-	-	10	10	4000	0	2
Plymouth ...	1026·4	0	-	0	Zo	58	92	8	5	3	1	2·3	9	5000	0	1
The Lizard ...	1026·9	+4	E'S	2	bc	58	92	8	4	-	-	2·3	2·3	3500	0	1
Scilly (St. Mary's)	1026·4	-2	S'E	1	bc	58	92	7	5	4	-	2·3	4·6	1800	0	0
Pembroke ...	1025·2	-2	SW'W	2	ir	60	97	7	8	2	-	7·8	9+	1800	1	1
Holyhead ...	1023·5	-2	WSW	3	c	59	85	8	5	3	-	4·6	9	4500	0	2
Chester (Sealand)	1024·1	0	SSW	1	c	59	85	7	-	3	-	0	7·8	-	0	*
Manchester ...	1023·7	0	SW	2	Zo	57	92	6	5	-	-	9+	9+	5000	1	*
Spurn Head ...	1023·1	0	SW'W	4	c	58	85	6	5	-	-	9+	9+	2500	0	2
Catterick ...	1021·9	-2	-	0	c	59	92	7	5	3	-	2·3	7·8	3000	0	*
Tynemouth ...	1020·9	-2	SW	3	c	60	85	7	8	-	-	9+	9+	2000	0	2
St. Abbs Head	1017·4	-8	SW	4	c	57	85	9	4	7	-	4·6	9	3200	0	3
Leuchars ...	1016·9	-6	WSW	4	do	58	85	6	-	2	-	10	10	600	0	*
Renfrew (Abbots I.)	1019·1	-4	SW	3	c/d	58	92	8	6	2	-	9+	10	800	1	*
Eskdalemuir ...	1020·5	0	W'S	3	c/f	54	92	7	5	7	-	7·8	10	2500	1	*
Point of Ayre...	1022·2	-4	W'S	3	c	57	97	8	5	7	-	4·6	9+	2500	0	2
Tiree	1016·6	-4	WSW	1	o	57	97	7	5	-	-	10	10	800	1	4
Stornoway ...																
Dalwhinnie ...	1016·1	+2	SSW	1	o	55	85	7	5	-	1	9+	10	800	1	*
Aberdeen ...	1015·7	+2	NW	1	c/r	52	97	6	6	7	-	2·3	9+	1500	1	1
Wick ...	1014·1	0	WSW	3	c	51	85	8	5	7	-	7·8	10	1500	1	1
Lerwick ...	1009·9	-2	SW'W	6	bc	50	85	8	8	7	-	4·6	4·6	1500	1	*
Blacksod Point	1021·8	-8	SW	3	c	59	97	8	5	-	-	9+	9+	4000	0	3
Malin Head ...	1019·9	-4	W'S	4	pr	58	92	7	8	-	-	9	9	1500	0	3
Aldergrove ...	1021·6	-6	SSW	3	c	57	92	8	5	4	1	7·8	9	5700	0	*
Birr Castle ...	1024·0	-2	WNW	1	c	57	85	8	5	1	-	7·8	10	1500	0	*
Valentia Obsy.	1024·7	-2	S	2	c	57	92	9	5	3	-	7·8	9+	4000	0	2
Roches Point	1024·5	-4	WNW	1	bc	58	97	8	5	-	5	4·6	4·6	1500	0	1

PAST 24 HOURS.

Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 25th Hrs. (36)
London (Kew)	69	55	43	-	-	0·0
Croydon	*	*	*	*	*	*
S. Farnborough	70	49	41	-	-	0·1
Boscombe Down	71	53	48	-	-	1·8
Calshot (Sthmtn.)	71	56	52	-	-	8·9
Manston	*	*	*	-	Tr	1·1
Shoeburyness ...	68	57	48	-	-	0·0
Felixstowe ...	69	60	59	-	-	0·1
Gorleston ...	67	58	55	-	-	0·0
Mildenhall ...	69	54	45	-	-	0·1
Cranwell ...	66	56	53	-	-	0·1
Birmingham ...	67	57	52	*	-	0·0
Upper Heyford	68	50	40	-	-	*
Ross-on-Wye	65	54	51	Tr	-	0·0
Hartland Point	65	60	59	-	-	1·4
Bristol ...	69	55	45	-	0·5	1·0
Portland Bill ...	63	59	*	-	-	*
Plymouth ...	64	58	49	-	-	3·8
The Lizard ...	67	54	*	-	-	3·9
Scilly (St. Mary's)	68	55	*		-	3·7
Pembroke ...	63	58	*	-	Tr	0·7
Holyhead ...	65	57	56	-	-	0·5
Chester (Sealand)	69	57	49	-	-	0·4
Manchester ...	65	52	43	-	-	0·5
Spurn Head ...	66	56	*	-	-	0·5
Catterick ...	64	55	47	-	-	2·2
Tynemouth ...	67	57	51	-	-	*
St. Abbs Head	64	56	*	-	-	*
Leuchars ...	65	55	52	-	Tr	1·7
Renfrew (Abbots I.)	62	56	54	0·1	1	1·6
Eskdalemuir ...	59	53	51	0·1	3	0·4
Point of Ayre...	66	56	*	-	Tr	1·2
Tiree	61	54	*	-	4	0·9
Stornoway ...			*	0·5		
Dalwhinnie ...	60	49	43	0·4	2	1·3
Aberdeen ...	69	49	43	-	1	7·1
Wick ...	58	49	*	7	0·1	*
Lerwick ...	56	49	*	Tr	1	8·2
Blacksod Point	64	57	*	Tr	Tr	*
Malin Head ...	62	54	*	0·1	0·6	0·7
Aldergrove ...	65	55	53	-	Tr	0·2
Birr Castle ...	65	55	54	1	-	0·7
Valentia Obsy.	65	54	45	0·6	0·2	0·8
Roches Point	65	56	*	Tr	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew...	18	cwcmoc	cyc	cmow	69	55	43	-	-	0·0	*	*	8
Croydon	217										*	*	7
Greenwich (Royal Observatory)...	149	c	c	cbc	70	54	45	-	-	0·0	60	63	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	69	54	48				72	75	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	69	55	49	-	-		57	68	*
Camden Square	110	c	c	*	69	56	48	-	-	*	*	69	*
Kensington	80	c	c	*	70	55	47	-	-		75	66	*
Hampstead Observatory	450	c	c	bc	67	53	47	-	-		*	80	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 26th

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
<0·1 whole period			

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 25th August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 26th August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.
Paris										
Brussels										
Berlin										
Zürich										
Rome										

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
*	*		

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

		Objects not visible at
0	Dense fog	55 yards.
1	Thick fog	220 ,,
2	Fog	550 ,,
3	Moderate fog	1,100 ,,
4	Mist or haze	1¼ miles.
5	Poor visibility	2½ ,,
6	Moderate ,,	6¼ ,,
7	Good ,,	12½ ,,
8	Very good ,,	31 ,,
9	Excellent ,,	beyond 31m.

COLUMN 30 — Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Preciptious.
4	Rough.	9	Confused.

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

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

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION — SECRET

Tuesday 27th August 1940.
No. 28,768

OBSERVATIONS at 13h. G.M.T. 26th August

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1024.7	-10	SW'S	2	c	67	55	8	5	-	-	9+	9+	2500
	Croydon			W	1	c			7	8	3	-	4-6	9	4000
	S. Farnborough	1025.2	-6	WSW	3	c	68	55	8	8	7	-	9	10	3000
	Boscombe Down	1024.7	-12	WNW	3	c	70	45	8	8	7	-	4-6	7-8	3500
	Calshot (Soton.)	1025.3	-8	SW'W	4	bc	69	65	8	7	-	-	4-6	4-6	4500
	Lympne	1024.5	-9	S'E	2	c	68	65	8	1	-	-	9	9	2500
	Manston	1024.7	-18	SSE	2	bc	70	55	7	7	-	-	4-6	4-6	3500
2	Shoeburyness	1024.8	-6	W'S	2	c	69	45	8	8	3	-	7-8	9+	4000
	Felixstowe	1024.4	-6	S'W	3	c	67	75	7	4	-	-	9	9	4500
	Gorleston	1023.5	-6	WSW	3	c	70	55	7	5	-	-	9	9	2500
	Mildenhall	1023.8	-8	W'S	3	c	70	55	8	7	-	-	9+	9+	3000
	Cranwell	1023.3	-12	W	3	c	67	55	7	5	-	-	7-8	7-8	2500
3	Birmingham	1023.6	+6	W	3	c	66	55	8	7	3	-	4-6	9+	4000
	Upper Heyford	1024.0	-12	W'S	3	c	68	55	8	8	-	-	9+	9+	2500
4	Ross-on-Wye	1024.0	-8	W'S	3	c	65	65	8	8	-	-	9+	9+	4000
5	Hartland Point	1025.2	-6	WSW	3	bc	68	85	8	2	6	6	2-3	4-6	2000
	Bristol	1025.3	-6	WSW	2	c	68	65	8	1	3	-	2-3	7-8	3000
	Portland Bill	1025.5	-6	SW	2	bc	64	85	8	2	4	-	4-6	4-6	4000
	Plymouth	1025.5	-8	SSW	2	bc	68	65	8	1	-	9	2-3	2-3	3000
	The Lizard	1025.9	-10	SE	2	bc	71	65	8	7	4	-	4-6	4-6	3500
	Scilly (St. Mary's)	1025.9	-4	WSW	2	bc	69	65	8	5	4	-	2-3	4-6	2500
	Guernsey														
6	Pembroke	1025.0	-4	-	0	c/pr	60	92	7	8	8	-	7-8	9	1400
7	Holyhead	1023.0	-6	SW	5	c	63	75	8	8	7	2	4-6	9+	3000
	Chester (Sealand)	1023.0	-8	W	2	c	66	55	9	8	-	-	9+	9+	3500
8	Manchester	1023.1	-6	W'S	4	c	65	65	8	7	-	-	9+	9+	4000
10	Spurn Head	1022.0	-6	WSW	4	c	65	65	6	5	-	1	7-8	9+	4000
	Catterick	1021.3	-4	W	3	c	64	75	8	8	7	-	9	9+	3500
	Tynemouth	1020.3	-4	WSW	4	c	65	65	7	2	3	-	4-6	9	3000
11	St. Abbs Head	1017.0	-4	SW	5	c	62	65	9	5	7	-	4-6	10	3200
	Leuchars	1015.9	-4	SW	5	c	64	65	8	5	7	7	4-6	10	1200
12	Renfrew (Abbots I.)	1018.5	-6	SW	4	ir$_o$	59	85	7	6	2	-	9+	10	900
	Eskdalemuir	1019.9	-4	W	4	r$_o$r$_o$	56	85	6	-	2	-	10	10	800
	Point of Ayre	1021.7	-4	W	5	c	67	65	8	1	4	-	Tr	9	4000
13A	Tiree	1017.2	+6	NW'N	2	d$_o$d$_o$	59	97	6	-	2	-	10	10	800
13B	Stornoway	1015.5	+16	WNW	4	c	56	75	8	5	7	-	7-8	9+	1500
15	Dalwhinnie	1015.9	-4	SW	2	ir$_o$	57	92	6	5	-	-	10	10	800
	Aberdeen	1014.8	+4	N	3	ir	56	92	6	9	-	-	10	10	800
	Wick	1013.6	+2	NW	4	c	56	65	8	8	7	1	4-6	9	1500
16	Lerwick	1009.6	+2	WSW	6	bc/pr	52	75	8	8	7	-	4-6	4-6	1500
17	Blacksod Point	1021.8	-2	SW	3	c	62	97	8	8	-	-	10	10	1500
18	Malin Head	1019.7	-2	W	4	c	59	92	6	6	-	-	9+	9+	1500
	Aldergrove	1020.9	-6	WSW	3	c	63	75	8	5	2	-	9+	10	2500
19	Birr Castle	1023.6	-4	WNW	1	c	64	65	8	5	1	-	7-8	10	2500
20	Valentia Obsy. †	1024.2	-6	SW	3	c	67	75	9	8	8	6	2-3	7-8	1600
	Roches Point	1024.3	-6	SW	3	c	61	85	9	8	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 26th August

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1022.9	-6	W	2	c	69	55	8	5	-	-	7-8	7-8	2500	0	*
Croydon			W	1	c			8	8	7		4-6	9+	4000		*
S. Farnborough	1023.2	-12	SW	3	c	67	55	8	7	3	-	4-6	7-8	3000	0	*
Boscombe Down	1023.2	-8	W'S	3	c	67	65	8	8	7	7	4-6	7-8	3500	0	*
Calshot (Soton.)	1023.5	-10	WSW	3	bc	66	65	8	7	4	5	2-3	4-6	7200	0	2
Lympne	1023.5	-6	SW'W	2	bc	65	65	8	5	-	-	4-6	4-6	5700	0	§ 2
Manston	1023.3	-4	SSW	2	c	67	65	7	5	3	-	7-8	7-8	4000	0	*
Shoeburyness	1022.8	-6	SW	2	c	68	65	8	-	3	-	0	9	-	0	*
Felixstowe	1023.0	-4	SSW	3	c	65	75	7	-	6	-	0	9+	-	0	1
Gorleston	1022.0	-6	S'E	2	c	68	55	6	5	-	-	9+	9+	2200	0	2
Mildenhall	1021.8	-6	WSW	2	c	69	55	7	4	6	-	9	9+	5000	0	*
Cranwell	1021.7	-4	W	3	c	68	55	7	5	7	1	7-8	9	5700	0	*
Birmingham	1023.6	-2	WNW	3	c	61	85	7	8	-	-	9+	9+	2500	0	*
Upper Heyford	1022.8	-6	W'S	3	c	66	65	8	7	3	9	1	9	3000	0	*
Ross-on-Wye	1022.7	-6	W	3	c	65	65	8	5	7	9	4-6	7-8	2500	0	*
Hartland Point	1024.1	-6	WSW	2	c	68	75	9	7	3	-	7-8	7-8	4000	0	2
Bristol	1023.7	-6	W	2	bc	65	75	8	7	4	9	2-3	4-6	3500	0	*
Portland Bill	1024.0	-10	SW	1	c	68	85	8	2	4	-	4-6	9	4000	0	2
Plymouth	1024.1	-8	S	2	c	65	75	8	1	3	9	Tr	7-8	3500	0	1
The Lizard	1024.0	0	-	0	c	64	75	8	8	6	-	7-8	7-8	2500	0	1
Scilly (St. Mary's)	1024.8	-4	W'S	1	c	64	75	8	8	8	3	2-3	7-8	2100	0	1
Guernsey																
Pembroke	1023.5	-6	W'S	3	c	62	85	8	2	6	1	2-3	7-8	2500	1	1
Holyhead	1021.8	-6	SW	4	c	60	92	9	8	7	6	2-3	9+	1500	0	2
Chester (Sealand)	1022.1	-2	NW	1	c	64	65	8	8	3	-	7-8	9+	4500	0	*
Manchester	1022.1	-6	W	3	c	63	65	8	7	9	4	1	7-8	2800	0	*
Spurn Head	1020.9	-4	WSW	4	c	63	75	6	5	-	-	9+	9+	2500	0	3
Catterick	1020.2	-8	SW	2	c	62	75	9	5	7	-	4-6	9+	6000	0	*
Tynemouth	1018.8	0	W	5	c/pr	60	85	6	8	-	-	9+	9+	2800	1	2
St. Abbs Head	1016.4	-2	W	5	r$_o$r$_o$	59	85	8	5	2	-	7-8	10	2500	1	3
Leuchars	1016.1	+4	WSW	4	c	61	85	7	5	7	-	7-8	10	1500	0	*
Renfrew (Abbots I.)	1018.1	-2	WSW	3	r$_o$r$_o$	58	92	8	6	2	-	9	10	1000	1	*
Eskdalemuir	1019.1	-2+	WSW	3	r$_o$r$_o$	56	92	6	-	2	-	10	10	450	1	*
Point of Ayre	1020.6	-4	W	3	r$_o$r$_o$	59	97	8	5	7	-	4-6	10	2500	1	2
Tiree	1018.3	+4	WN	2	c/r	52	92	7	5	-	-	9+	9+	1500	1	2
Stornoway	1017.1	+8	WNW	4	c	53	75	8	5	-	-	7-8	7-8	2500	1	2
Dalwhinnie	1017.0	+14	WSW	2	c	52	75	7	5	4	-	7-8	9+	1500	1	*
Aberdeen	1016.0	+4	SSW	1	bc	57	85	6	8	3	9	4-6	4-6	2500	1	1
Wick	1015.0	+10	NW	4	c	53	65	8	8	7	1	4-6	7-8	1500	1	2
Lerwick	1011.8	+16	WNW	4	c/pr	50	75	8	8	7	-	4-6	7-8	1500	1	*
Blacksod Point	1021.7	0	SW	3	o	60	97	7	5	-	-	10	10	800	0	2
Malin Head	1019.3	0	W	3	d$_o$d$_o$	58	97	6	6	-	-	9+	9+	800	0	3
Aldergrove	1020.5	0	W'N	3	ir$_o$	59	85	8	-	2	-	10	10	5700	1	*
Birr Castle	1022.7	0	WNW	1	c	64	65	8	5	-	-	9+	9+	2500	0	*
Valentia Obsy. †	1024.0	-2	WSW	2	c/pr	61	97	9	5	3	-	4-6	9+	4000	0	2
Roches Point	1023.5	-2	WSW	2	c	61	92	8	5	7	-	7-8	9	1500	1	2

PAST 24 HOURS. — WEATHER.

Stations	7h.–13h. 26th (37)	13h.–18h. 26th (38)	18h. 26th – 1h. 27th (39)	1h.–7h. 27th (40)
London (Kew)	ccy	cybcy	bcycbc	bcc
Croydon				
S. Farnborough	bccy	cbcy	bbc	c
Boscombe Down	c	cy	c	c
Calshot (Soton.)	c	bccybc	cbcc	c
Lympne	bcmbc	cbcy	bcc	c
Manston	bcc	bc	c	cmo
Shoeburyness	bcm$_o$zcy	cy	cyc	c,cmo
Felixstowe	cbcyc	cbcc	ccm$_o$	bcm$_o$cm$_o$
Gorleston	cy	cy	c	c
Mildenhall	ccy	cy	cycm$_o$	cmo
Cranwell	cy	cy	cycz m$_o$	ccir$_o$m$_o$
Birmingham	c	c	cbc	bcc
Upper Heyford	cm$_o$c	c	c	c
Ross-on-Wye	czcc	cbcc	cbcc	c
Hartland Point	cbc	bcc	cbcc	cbcc
Bristol	c	cbc	bccbc	bccm$_o$
Portland Bill	cbc	c	c	c
Plymouth	cm$_o$bbc	bcc	c	cbcfcmw
The Lizard	bc	bcc	cbc	cbc
Scilly (St. Mary's)	bc	bcc	cbcc	cbcw
Guernsey				
Pembroke	prc	c	cbc	cbc
Holyhead	c	c⊕	cir$_o$c	cir$_o$c
Chester (Sealand)	c	cyc	cbccir$_o$	cir$_o$c
Manchester	cm$_o$zc	c	ccm$_o$	cm$_o$
Spurn Head	c	c	c	rrc
Catterick	c	c	circ	cir$_o$m$_o$
Tynemouth	cbcc	cp$_o$	coir$_o$	orrbc
St. Abbs Head	c	cr	rrc	rcbc
Leuchars	odd$_o$m$_o$c	ccpr$_o$c	ir$_o$cbcm$_o$b	bbw
Renfrew (Abbots I.)	cdr$_o$rd$_o$	cir$_o$r r$_o$r$_o$	cr$_o$m$_o$drr$_o$c	cbcbw
Eskdalemuir	d$_o$d$_o$cm$_o$	idr$_o$r$_o$	r$_o$r$_o$cr	cr$_o$bcb
Point of Ayre	c	ccr$_o$	c	ir$_o$c
Tiree	oRdr	od$_o$r$_o$	bc	bc
Stornoway	c	c	bc	cbc
Dalwhinnie	cir$_o$o	cir$_o$		cbc
Aberdeen	cirz	crrbc	b	cbcw
Wick	c	c	bcprc	cbc
Lerwick	bccpr	bccpr	cbccpr	cprbcc
Blacksod Point	c	o	id	rr
Malin Head	ccidcidc	cidcidcid	cd$_o$dcc	ocbc
Aldergrove	c	ccir$_o$	ir$_o$c,d$_o$d$_o$c	d$_o$d$_o$m$_o$oc
Birr Castle	c	c	c	c
Valentia Obsy. †	cpr$_o$cbc	bccpr$_o$pc	cbvwcw	pr$_o$r$_o$r$_o$
Roches Point	c	idc	id$_o$bc	bcwbc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29 —STATE OF GROUND.

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

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

Abridged observations of additional stations in the

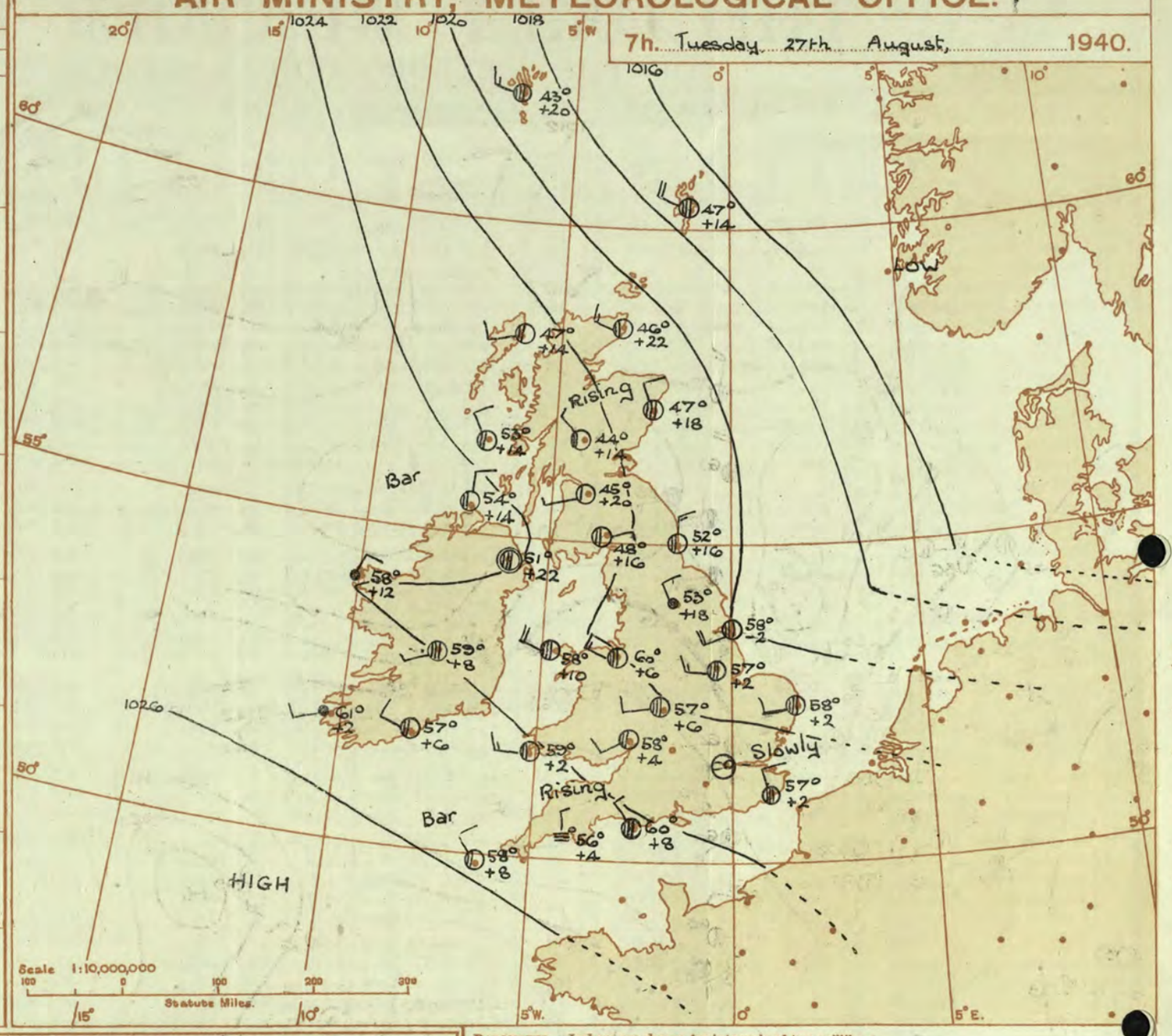
AVIATION WEATHER CODE

	13h. G.M.T. 26th August			18h. G.M.T.			01h. G.M.T. 27th August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	87	81854	24587	80	02854	25484	1-	01851	25182	80	02885	26386
115	71	01854	24524	51	02844	24526	87	02854	23285	87	01953	28424
203												
206	5-	51967	00057	83	01804	25815	5-	02865	24261	5-	00963	00013
210	5-	62637	24257	5-	01954	28314	5-	61867	24267			
220	23	01953	24214	17	01953	27~~244~~				13	01854	00014
230										70	01963	24123
245	67	02945	51458				50	00863	28263	80	00953	00013
260				52	61746	22368	5-	01864	00024			
277				57	62745	23366	5-	52648	29358	55	00871	30351
279												
285	23	02845	24527	8-	02747	26527				33	01734	28485
288				57	02863	20427	52	22745	22268	52	21554	01268
273	16	01763	23514							46	10554	04258
301	83	02865	22827	24	01861	22315	57	02756	26368	57	22746	32368
321	77	05665	22326	09	05690	23225	62	61566	23268	52	05666	22227
299				57	02745	26317				52	62545	23268
292	8-	02868	23328	47	02962	22226	62	64646	24168	52	54527	02368
310	--	02638	24428	--	02638	24328				--	48209	24329
316	7-	02854	22327	75	05654	24825	5-	02565	00015	52	22565	22268
333	53	02963	22426	57	02967	22427	53	02863	00027	53	02836	28227
334	--	01854	22415	--	10744	20238					02766	24126
340	8-	02957	22227	5-	22957	21367	50	02965	22315	5-	01866	23326
136	23	02863	22326	53	05675	22127	5-	05668	20168	09	61690	20217
336	--	02853	20416	--	22742	24467					03854	24428
350	7-	02867	20227				50	01674	24224	57	02774	20227
368	80	01964	22324	75	02968	23215	5-	02865	00025	23	05642	26185
379	27	02754	24228	5-	02777	24227				53	02774	24226
390	5-	02767	25127									
382	8-	02858	22228	73	02875	24226	57	02763	26115	53	05663	25227
438	5-	02755	24415							5-	02757	28327
430	53	02874	20326	03	01890	23314	03	02790	00015	03	02790	00027
409	17	02962	24213	89	02961	24225				5-	02867	00027

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 27th August, 1940.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 27th August, 1940.
1 S.E. England 2 E. England ...	Wind west, light, veering northwest, light to moderate; fair apart from chance of slight local showers this evening; becoming rather cool.
3 E. Midlands ... 4 W. Midlands ...	Wind veering northwest to north, light to moderate; cloudy, some light showers today, especially near the coast, mainly fine tomorrow; cool.
5 S.W. England	Light northwesterly wind; fair; average temperature becoming cooler.
6 South Wales ... 7 North Wales ...	As 2-3
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Light to moderate north to northwest wind; mainly fair apart from chance of a few coastal showers in the North and East; cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light northerly to variable wind; mainly cloudy, light local showers at first; becoming rather cool.

GENERAL INFERENCE.

A feeble trough of relatively low pressure is moving south over the Southern half of the British Isles, and an anticyclone from the Icelandic area will spread down over the country.

Weather will be mainly fair to fine apart from some light local rain at first in the southern half of the country. Temperatures will become rather low for the season.

FURTHER OUTLOOK.

Mainly fine, but cool.

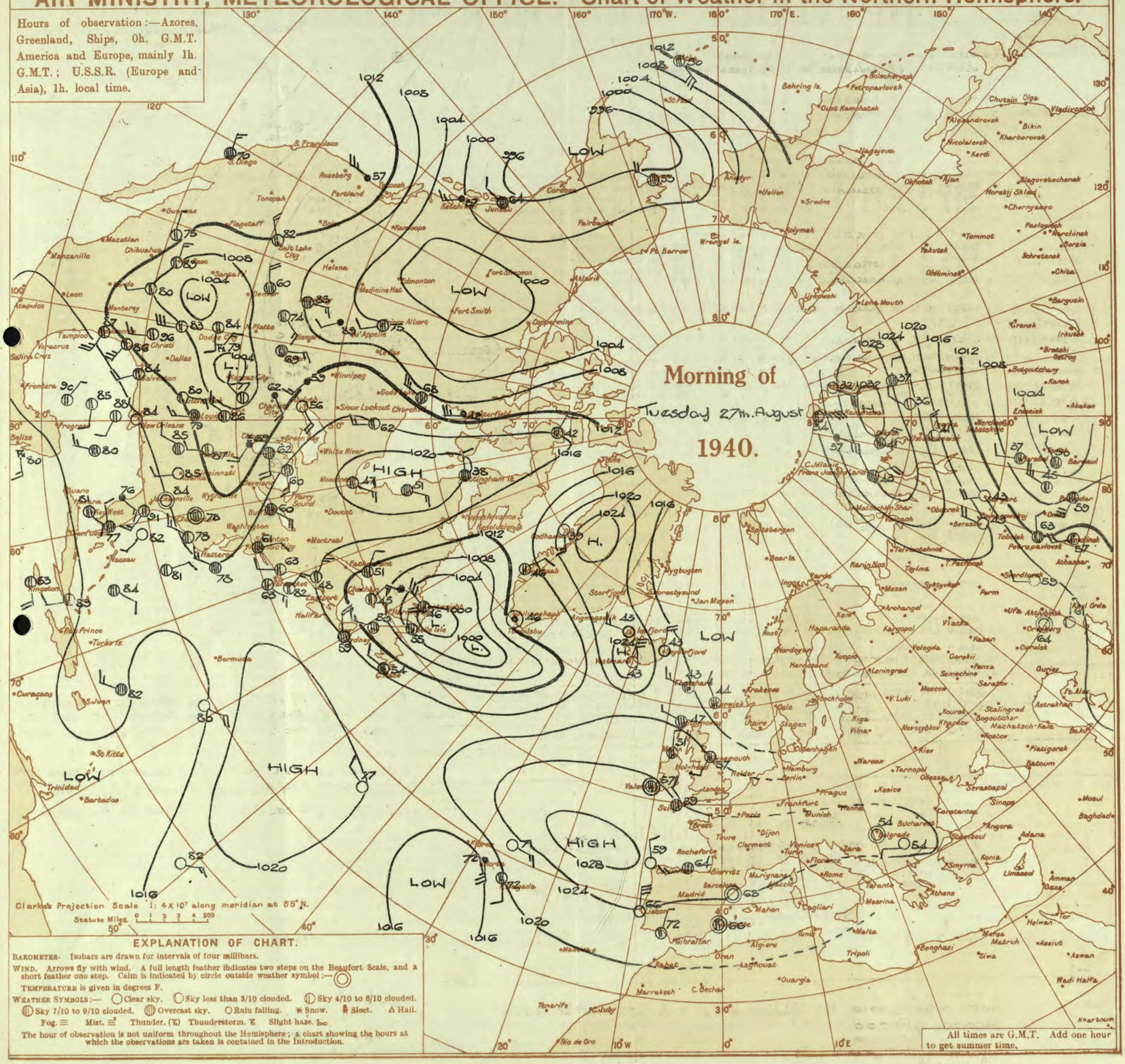
Forecasts issued at 10.30 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 27th August 1940.

No. 28,768

OBSERVATIONS at 1 hr. G.M.T. 27th August

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217														
	S. Farnborough	226	*	*	-	0	bc	*	*	7	5	7	*	2-3	4-6	4000
	Boscombe Down	417	1023·6	-2	W'N	2	c	57	75	7	5	7	-	4-6	9	3000
	Calshot (Sthmtn.)	8	1023·4	-4	W	2	c	56	85	7	-	3	-	0	9	-
	Lympne ...	346	1023·3	-6	NW'N	2	c	57	85	7	5	-	-	7-8	7-8	4500
	Manston ...	154														
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1022·5	-2	W'N	3	zo	61	85	6	5	-	-	7-8	7-8	5500
	Gorleston ...	5	1021·3	-6	W	2	c	62	75	6	5	-	-	9+	9+	1500
	Mildenhall ...	19	1022·0	+2	W	2	zo	59	85	6	5	-	-	9+	9+	4400
	Cranwell ...	240	1021·9	-2	WSW	2	zo	58	85	6	5	7	-	4-6	9	4500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1023·1	0	W	1	c	56	85	7	5	3	6	1	7-8	4000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1023·7	-2	W	3	c	60	97	8	2	4	3	2-3	7-8	2500
	Bristol ...	209	1023·9	+2	W	2	c	57	97	7	5	7	-	4-6	7-8	4500
	Portland Bill ...	32	1023·2	-10	SW	1	c	61	92	8	5	4	-	4-6	7-8	4000
	Plymouth ...	82	1024·3	+2	E	1	bc	*	*	7	-	3	-	0	4-6	- -
	The Lizard ...	240	1025·1	0	NW	3	bc	57	92	7	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1025·0	0	NW'N	2	c	59	92	7	8	6	-	4-6	9	1200
	Guernsey ...	175														
6	Pembroke ...	142	1023·9	+2	W	3	bc	59	92	8	8	7	-	2-3	4-6	2500
7	Holyhead ...	26	1021·7	+2	W	4	ro	61	75	7	5	-	-	10	10	2500
	Chester (Sealand)	16	1021·9	0	WSW	1	ro	59	85	7	5	2	-	4-6	10	5700
8	Manchester ...	70	1021·7	-2	W'S	1	zo	56	92	6	5	-	-	10	10	3000
10	Spurn Head ...	29	1020·8	-2	SW'S	2	c	57	85	6	4	-	7	4-6	7-8	4000
	Catterick ...	175	1019·9	-2	SW	1	c/r	59	92	7	5	2	-	7-8	10	2000
	Tynemouth ...	108	1019·0	-4	SW	3	c/r	58	85	6	-	2	-	10	10	1500
11	St. Abbs Head	280	1018·3	+12	NW	3	c	53	85	7	5	5	1	4-6	7-8	2000
	Leuchars ...	36	1019·0	+14	NW	3	b	50	85	7	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	1020·3	+12	W	3	c	52	92	8	5	-	-	9	9	3500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1020·3	-2	W'N	4	c	58	97	8	5	1	-	7-8	10	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1019·5	+12	WNW	1	c	47	85	6	5	7	-	4-6	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1018·1	+18	W	3	c	46	97	7	5	7	-	4-6	7-8	1500
16	Lerwick ...	156	1015·0	+14	NNW	3	c/pr	44	85	8	8	7	-	4-6	7-8	800
17	Blacksod Point	18	1022·9	+6	WNW	1	id.	58	97	7	6	-	-	10	10	<150
18	Malin Head ...	84	1021·9	+14	N	1	c	51	85	6	5	-	-	7-8	7-8	1500
	Aldergrove ...	268	1020·8	+2	NW'N	3	do.	58	92	6	6	2	-	9+	10	200
19	Birr Castle ...	173	1023·3	+2	WSW	1	c	58	92	8	5	-	-	7-8	7-8	2500
20	Valentia Obsy.	30	1025·3	+2	-	0	c	57	97	9	7	-	-	7-8	7-8	2500
	Roches Point	22	1024·4	+4	NW'W	2	bc	59	92	8	5	5	-	2-3	4-6	1500

OBSERVATIONS at 7 hr. G.M.T. 27th August

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	1023·2	+8	SW	2	c	59	85	7	5	-	-	9+	9+	2500	0	*
	Croydon ...	*	*	-	0	zo	*	*	6	-	7	*	0	9+	-		*
	S. Farnborough	1023·4	+6	WSW	1	c	57	85	7	5	7	-	4-6	9+	4000	0	*
	Boscombe Down	1023·5	+4	-	0	c	57	92	7	5	7	-	2-3	9	3000	0	*
	Calshot (Sthmtn.)	1023·6	+4	W	1	c	57	85	7	5	7	3	2-3	9	5700	0	0
	Lympne ...	1023·0	+2	NNW	2	c	57	85	8	5	1	-	4-6	9	7200	0	1
	Manston ...	1022·8	+4	WNW	2	zo	59	75	6	5	7	-	1	10	4000	0	*
2	Shoeburyness ...	1022·8	+6	W'N	2	c	60	75	6	-	7	1	0	9	-	0	*
	Felixstowe ...	1022·4	+4	W'N	3	zo	60	85	6	5	7	-	1	9+	7000	0	1
	Gorleston ...	1021·3	+2	WSW	2	c	58	85	6	5	-	-	9+	9+	2500	0	1
	Mildenhall ...	1021·9	+6	WSW	2	zo	57	85	6	5	7	-	4-6	9+	7000	0	*
	Cranwell ...	1021·6	+2	W	3	c/r	57	92	6	5	7	-	9	10	2000	0	*
3	Birmingham ...	1022·7	+6	WSW	2	c	57	85	8	5	7	-	4-6	9	4000	0	*
	Upper Heyford	1023·1	+4	W	2	c	57	85	8	5	3	-	2-3	9+	4000	0	*
4	Ross-on-Wye	1023·2	+4	SW	2	bc	58	85	8	5	-	9	2-3	2-3	4000	0	*
5	Hartland Point	1024·1	+6	W	3	c	60	92	8	5	3	-	7-8	9+	1100	0	2
	Bristol ...	1023·9	+6	W'S	2	c	59	92	7	5	-	-	9+	9+	5700	0	*
	Portland Bill ...	1023·9	+8	NW	1	c	60	85	8	5	7	-	7-8	10	4000	0	2
	Plymouth ...	1024·6	+4	N	1	m	56	97	4	5	3	-	4-6	7-8	800	0	0
	The Lizard ...	1025·1	+8	NW	2	bc	59	92	8	8	7	-	4-6	4-6	3500	0	2
	Scilly (St. Mary's)	1025·6	+8	NW'N	2	bc	58	97	8	8	4	4	4-6	4-6	1500	0	1
	Guernsey ...																
6	Pembroke ...	1024·2	+2	W	3	bc	59	92	8	5	7	-	2-3	4-6	2800	0	1
7	Holyhead ...	1022·8	+10	WNW	4	c	58	97	7	5	3	-	9	9+	1500	1	3
	Chester (Sealand)	1022·2	+6	WNW	3	c	60	85	8	5	-	-	9+	9+	2500	0	*
8	Manchester ...	1021·7	+2	W	3	dr	59	92	6	6	2	-	7-8	10	1800	1	*
10	Spurn Head ...	1020·1	-2	SW'W	4	c	58	85	6	5	7	-	4-6	10	4000	1	3
	Catterick ...	1021·9	+18	NNW	2	ro	53	92	7	6	2	-	7-8	9	600	1	*
	Tynemouth ...	1021·9	+16	N	3	bc	52	85	7	2	4	-	2-3	4-6	4000	1	1
11	St. Abbs Head	1021·5	+22	NW	3	bc	50	75	9	4	4	-	2-3	4-6	2000	0	2
	Leuchars ...	1022·1	+18	NW	2	bc	47	75	8	-	3	1	0	2-3	-	0	*
12	Renfrew (Abbots I.)	1023·5	+20	WSW	1	b	45	92	8	-	-	-	0	0	-	1	*
	Eskdalemuir ...	1022·5	+16	ENE	1	b	48	75	8	-	3	-	0	1	-	1	*
	Point of Ayre ...	1023·2	+18	NNE	4	c	55	75	8	-	7	-	0	7-8	-	1	2
13A	Tiree	1022·9	+14	NW'N	2	bc	53	75	8	2	-	-	4-6	4-6	1800	0	2
13B	Stornoway ...	1022·1	+14	WSW	2	bc	47	85	8	5	-	-	2-3	2-3	2500	1	1
15	Dalwhinnie ...	1022·8	+14	NW	1	bc	44	85	8	2	-	-	4-6	4-6	2500	1	*
	Aberdeen ...	1021·9	+18	NNW	2	bc	47	85	8	8	-	-	2-3	2-3	4000	1	1
	Wick ...	1021·2	+22	WNW	3	bc	46	85	8	8	-	-	2-3	2-3	1500	0	1
16	Lerwick ...	1017·2	+14	WNW	4	c	47	75	8	8	7	-	7-8	9	1500	1	*
17	Blacksod Point	1024·1	+12	NNE	2	rr	58	97	6	6	-	-	10	10	<150	1	3
18	Malin Head ...	1024·0	+14	N	2	bc	54	65	8	7	-	2	2-3	4-6	5700	1	2
	Aldergrove ...	1024·2	+22	-	0	c	51	92	8	5	7	-	1	9+	2000	1	*
19	Birr Castle ...	1024·3	+8	WSW	1	c	59	92	8	5	7	-	7-8	9+	2500	0	*
20	Valentia Obsy.	1025·3	+2	WSW	2	ro	61	97	7	5	2	-	9	10	800	1	2
	Roches Point	1025·1	+6	WNW	2	bc	57	92	8	5	-	-	4-6	4-6	2500	0	1

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine Yesterday Hrs. (36)
1	London (Kew)	71	57	50	-	-	2·9
	Croydon ...	*	*	*	*	*	*
	S. Farnborough	73	54	52	-	-	2·8
	Boscombe Down	71	54	49	-	-	3·4
	Calshot (Sthmtn.)	71	54	51	-	-	2·3
	Lympne ...	*	55	47	-	-	5·6
	Manston ...	71	56	53	-	-	*
2	Shoeburyness ...	72	58	52	-	-	5·3
	Felixstowe ...	69	59	57	-	-	3·4
	Gorleston ...	70	57	54	-	-	0·8
	Mildenhall ...	73	55	51	-	-	2·4
	Cranwell ...	69	57	55	-	Tr	0·7
3	Birmingham ...	68	56	54	*	-	0·5
	Upper Heyford	70	54	44	-	-	*
4	Ross-on-Wye	69	55	52	-	-	1·3
5	Hartland Point	66	59	54	-	-	5·7
	Bristol ...	72	56	49	Tr	-	5·6
	Portland Bill ...	66	57	*	-	-	*
	Plymouth ...	69	54	45	-	-	9·8
	The Lizard ...	71	56	*	-	-	11·0
	Scilly (St. Mary's)	70	57	*	-	-	9·4
	Guernsey ...						
6	Pembroke ...	62	58	*	1	-	1·9
7	Holyhead ...	65	57	56	-	0·3	4·5
	Chester (Sealand)	69	59	50	-	Tr	1·6
8	Manchester ...	66	55	49	-	Tr	1·9
10	Spurn Head ...	69	56	*	-	1	1·2
	Catterick ...	65	52	52	-	1	2·6
	Tynemouth ...	67	52	51	Tr	5	*
11	St. Abbs Head	62	50	*	Tr	2	*
	Leuchars ...	65	43	37	Tr	-	0·1
12	Renfrew (Abbots I.)	60	41	35	2	0·2	0·0
	Eskdalemuir ...	59	42	36	1	5	0·2
	Point of Ayre ...	69	53	*	0·2	0·2	0·7
13A	Tiree	59	51	*	4	-	0·0
13B	Stornoway ...	59	43	*	-	0·6	6·6
15	Dalwhinnie ...	58	34	28	2	Tr	0·7
	Aberdeen ...	61	42	36	9	-	0·6
	Wick ...	59	41	*	-	-	*
16	Lerwick ...	54	43	*	0·1	1	8·7
17	Blacksod Point	64	57	*	Tr	5	*
18	Malin Head ...	61	47	*	3	4	0·0
	Aldergrove ...	64	51	51	0·1	0·3	0·3
19	Birr Castle ...	67	57	55	-	-	0·2
20	Valentia Obsy.	68	56	49	0·2	2	4·0
	Roches Point	64	57	*	0·6	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon.	Weather Night.	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	ccy	cybcy	bcy bcc	71	57	50	-	-	2·9	•	•	6
Croydon	217	cy	cy	cbcmo							•	•	6
Greenwich (Royal Observatory) ...	149	cy	cy	cbcmo	73	57	49	-	-	4·7	48	70	6
City (Bunhill Row)	—	•	•	•	•	•	•	•	•		•	•	•
Westminster (St. James' Park) ...	27	•	•	•	71	58	52	-	-		63	84	•
Regents Pk. (Botanic Gardens)‡ ...	168	•	•	•	72	58	55	-	-		85	83	•
Camden Square	110	bc	bc	•	73	58	53	-	-	•	•	75	•
Kensington	80	bcc	cbc	•	73	58	53	-	-		55	78	•
Hampstead Observatory	450	c	bc	bc	71	55	52	-	-		•	81	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 27th

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
<0·1 whole period			

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 26th August Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 27th August Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris														
Brussels														
Berlin														
Zürich														
Rome											•	•		

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 „
2 Fog	550 „
3 Moderate fog	1,100 „
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ „
6 Moderate „	6¼ „
7 Good „	12½ „
8 Very good „	31 „
9 Excellent „	beyond 31m.

COLUMN 30 — Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptious.
4 Rough.	9 Confused.

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Wednesday 28th. August, 1940.

No 28769

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1022.7	-2	WNW	2	c	71	45	8	8	7	-	4-6	9+	2500
	Croydon	*	*	NNW	2	c	*	*	8	9	3	*	7-8	9+	3200
	S. Farnborough	1023.9	+2	WSW	2	c	71	45	8	8	3	-	9	9+	3500
	Boscombe Down	1024.1	+4	NW'W	2	c	67	65	8	8	7	-	7-8	9+	5000
	Calshot (Soton.)	1024.1	+2	SW	4	c	69	75	7	8	3	-	7-8	9+	3500
	Lympne	1023.0	-4	N'W	2	bc	71	55	8	2	-	6	4-6	4-6	3500
	Manston	1023.5	+12	N'W	2	c	69	55	8	2	4	4	1	7-8	4000
2	Shoeburyness	1023.3	-2	N'W	2	c	71	55	6	8	7	-	4-6	9+	4000
	Felixstowe	1023.0	0	NW'W	3	c	69	55	8	2	7	-	9	9+	4000
	Gorleston	1022.7	+8	N'W	3	c	64	75	6	5	-	-	9+	9+	2000
	Mildenhall	1023.3	+6	NW	3	pr	65	75	7	8	-	-	9+	9+	1000
	Cranwell	1024.9	+18	NE	2	o/r	57	92	7	5	-	-	10	10	1000
3	Birmingham	1024.8	+10	NNW	3	c/pr	62	75	7	8	7	-	7-8	9	2500
	Upper Heyford	1023.8	+6	W'N	3	c	68	65	8	8	7	-	4-6	9	2500
4	Ross-on-Wye	1024.3	+4	NW	2	c	68	65	9	8	-	-	9+	9+	4000
5	Hartland Point	1026.1	+6	WNW	2	bc	65	75	9	2	4	1	2-3	2-3	2000
	Bristol	1024.9	+6	W	3	c	66	85	8	8	6	-	4-6	9+	2500
	Portland Bill	1024.8	+16	W	1	c	64	85	8	5	-	-	10	10	4000
	Plymouth	1025.4	+2	NW	3	(bc)	69	55	8	1	3	-	4-6	7-8	3000
	The Lizard	1026.3	+2	W'N	2	bc	70	65	8	2	6	-	4-6	4-6	3500
	Scilly (St. Mary's)	1027.7	+10	N'W	3	bc	69	65	8	8	4	-	1	2-3	1400
	Guernsey														
6	Pembroke	1026.6	+6	WNW	3	c	64	85	8	2	6	-	4-6	7-8	2500
7	Holyhead	1026.0	+14	N'E	2	c	61	65	8	5	3	-	7-8	9	4700
	Chester (Sealand)	1025.8	+18	NW'W	4	c	60	55	8	5	3	-	1	2-3	4500
8	Manchester	1024.7	+14	W'N	4	bc	65	55	7	1	3	-	Tr	2-3	3200
10	Spurn Head	1025.2	+16	N'E	4	c	59	85	8	2	-	-	7-8	7-8	1300
	Catterick	1025.2	+16	NE	2	c	61	65	7	2	-	-	7-8	7-8	3000
	Tynemouth	1025.4	+20	NNE	3	bc	55	75	8	2	-	-	4-6	4-6	2500
11	St. Abbs Head	1025.5	+12	NW	2	bc	54	65	9	2	4	-	2-3	2-3	3000
	Leuchars	1024.5	+6	NW	2	c	61	45	9	8	-	-	7-8	7-8	3500
12	Renfrew (Abbots I.)	1025.4	+6	NNW	3	bc	59	55	9	1	-	-	4-6	4-6	4000
	Eskdalemuir	1024.8	+8	WNW	1	bc	57	55	8	7	-	-	4-6	4-6	2500
	Point of Ayre	1026.1	+8	NW'N	4	b	63	65	8	1	-	-	1	1	4000
13A	Tiree	1026.8	+6	WNW	2	bc	58	65	8	7	-	5	2-3	4-6	2800
13B	Stornoway	1024.6	+8	WNW	3	c	56	65	8	5	7	-	4-6	9+	2100
15	Dalwhinnie	1025.1	+3	WNW	1	bc	53	55	8	1	-	-	4-6	4-6	2500
	Aberdeen	1024.3	+6	NNW	2	bc	58	55	8	2	-	-	2-3	2-3	4000
	Wick	1023.0	+4	NW	3	bc	56	85	8	8	4	-	4-6	4-6	1500
16	Lerwick	1020.7	+20	NW	4	c/pr	48	75	8	8	7	-	4-6	7-8	800
17	Blacksod Point	1026.7	+6	N	3	c	62	92	8	-	7	-	0	7-8	-
18	Malin Head	1026.6	+8	NNW	1	bc	57	65	8	1	-	2	1	4-6	5700
	Aldergrove	1026.5	+6	W'N	1	bc	63	55	8	2	-	4	2-3	2-3	3000
19	Birr Castle	1025.9	+4	WSW	1	c/pr	67	85	7	8	7	-	7-8	9+	1500
20	Valentia Obsy. †	1026.8	+6	W'N	2	c	63	97	8	5	-	-	7-8	7-8	800
	Roches Point	1026.4	0	SW'W	2	c	64	85	8	5	-	-	7-8	7-8	1500

OBSERVATIONS at 18h. G.M.T. 27th. August — PAST 24 HOURS

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)	Weather 7h.–13h. 27th. (37)	Weather 13h.–18h. 27th. (38)	Weather 18h. 27th. to 1h. 28th. (39)	Weather 1h.–7h. 28th. (40)
London (Kew)	1025.1	+6	NNE	2	zo	66	65	6	8	3	6	4-6	7-8	4000	0	*	ccmocd	cyezo	bcbbcw	bccmow
Croydon			-	0	zo			5	-	7		0	7-8	-		*				c
S. Farnborough	1024.9	+4	N	1	bc	68	65	7	8	3	-	2-3	4-6	3500	0	*	bccd	cyproebc	bcbF	bFwmoo
Boscombe Down	1025.0	+4	N'E	3	bc	67	65	8	2	3	-	4-6	4-6	5000	0	*	c	c	bcb	bmofF
Calshot (Soton.)	1024.6	+2	SW'W	2	c	69	75	7	8	3	-	2-3	7-8	3000	0	1	bcc	c	bcwmo	bwmo ffe
Lympne	1024.3	+6	NNE	1	c/pr	65	75	7	4	6	-	4-6	7-8	4000	0	§1	cbcd	bcycpro	cbcb	bwc
Manston																*	cmoc			bmo
Shoeburyness	1024.9	+10	N	3	c	63	85	7	5	7	-	7-8	9	4000	0	*	cmocd	czobc yp	c,bwbmo	bwbcmoc
Felixstowe	1025.1	+18	NE	3	c/r	58	97	8	6	-	-	9+	9+	500	1	1	ccd	cyiroiR	cbcb	bbwbcmo
Gorleston	1025.0	+6	NE'N	3	bc	57	85	7	2	4	-	2-3	4-6	2500	0	2	c	cprobc	bcb	bwbc
Mildenhall	1025.7	+10	NE'E	2	bc	58	85	9	8	6	-	4-6	4-6	2000	1	*	cmjdccpr	crocсbc	bccfgmow	cmo,b,cfcw
Cranwell	1026.2	+4	ESE	3	bc	57	75	8	7	-	-	4-6	4-6	2500	0	*	iromoc	c,iro cbc	bcb,cmo	cmo,b,cmo
Birmingham	1026.0	+8	NNW	3	b	64	85	8	1	4	-	Tr	1	4000	0	*	cpr	cb	b	bwmc
Upper Heyford	1024.9	+4	N	2	c	66	65	7	8	6	-	7-8	9	1800	0	*	c	cbcc	bmocmo	bccmow
Ross-on-Wye	1025.4	+4	NW'N	2	bc	65	75	9	8	-	1	4-6	4-6	4000	0	*	bcc	co	cvb	bwbcc
Hartland Point	1027.2	+8	WNW	3	bc	62	85	9	5	-	5	4-6	4-6	1200	0	1	cbc	bc	bccbc	bbcc
Bristol	1026.0	+6	NNE	2	bc	67	75	8	2	6	-	4-6	4-6	3000	0	*	cbcc	cbc	bccpro,b	bbccmo
Portland Bill	1025.8	+2	WSW	1	bc	63	85	8	5	-	-	4-6	4-6	4000	0	2	c	bcbc	b	c
Plymouth	1026.4	+6	NW'N	4	b	68	65	9	1	-	1	Tr	Tr	3500	0	2	cmocbcd	bcybyb	bbcb	b,c
The Lizard	1027.5	+8	NW'N	3	bc	65	75	8	4	-	-	2-3	2-3	3500	0	1	bc	bc	bcw	c
Scilly (St. Mary's)	1028.5	+6	WNW	2	bc	66	75	8	5	4	4	2-3	4-6	1800	0	1	bc	bcbbc	zcc	c
Guernsey																				
Pembroke	1027.3	+2	NW	3	bc	62	85	8	8	4	3	1	2-3	2500	0	1	bcc	cbv	c	bcc
Holyhead	1027.3	+6	NWN	2	bc	58	65	9	5	4	1	2-3	2-3	4500	0	1	cidc	cb	bw	bwc
Chester (Sealand)	1027.0	+8	WNW	4	bc	58	55	8	1	-	2	Tr	2-3	3000	0	*	cdmobc	bcbmoy	bbcwmo	bcwcmofg
Manchester	1026.0	+10	WNW	4	b	59	65	8	-	-	6	0	1	-	0	*	doorcbc	byb	bmomfF	bFFfgcmo
Spurn Head	1026.7	+6	NE	2	bc	56	75	8	4	-	-	2-3	2-3	2500	0	2	c	bc	c	c
Catterick	1026.1	+10	NNE	2	bc	56	75	7	-	6	2	0	4-6	-	0	*	roorobcc	bczobc	bcbcmo	bcmoc
Tynemouth	1026.3	+10	ESE	3	bc	55	75	8	8	-	-	4-6	4-6	2500	1	1	bc	bco	bccbc	bcc
St. Abbs Head	1025.4	0	SSE	2	bc	56	65	9	7	4	-	2-3	4-6	3000	0	2	bc	bc	bc	cbcc
Leuchars	1024.8	+2	SW	3	c	59	55	8	5	-	-	7-8	7-8	3500	0	*	bwbcd	bcy cy	cybc	bccw
Renfrew (Abbots I.)	1026.5	+10	NW'W	4	bc	56	75	8	7	-	-	4-6	4-6	3500	0	*	bwbcd	bcycbc	bcbmow	b,cmmow
Eskdalemuir	1025.9	+10	NNW	2	bc	55	65	8	7	3	-	4-6	4-6	2500	1	*	bwbcd	bcybc	bcb	bbcw
Point of Ayre	1027.3	+6	NW	3	b	59	85	8	1	4	9	Tr	1	5700	0	2	b	bcb	bc	c
Tiree	1028.1	+6	NNW	2	bc	55	75	8	7	3	5	1	4-6	2800	0	2	bc	bc	c	c
Stornoway	1027.1	+12	N	3	c	52	65	8	5	7	-	7-8	9	2000	1	2	bccpr	cpr	cb	bc
Dalwhinnie	1026.9	+16	NW	1	o	50	75	8	5	-	-	10	10	1500	0	*	bc	bcco		cbc
Aberdeen	1025.5	+8	W	3	c/pr	53	75	7	9	-	-	9+	9+	1500	1	1	bcbcd	bccpR	ro,bc	bcbcw
Wick	1025.2	+10	NW	4	c	50	75	8	8	7	8	4-6	9	1500	1	2	pcbc	bcprc	cbc	bcc
Lerwick	1023.4	+8	NW	5	c/pr	49	75	8	8	7	-	4-6	7-8	800	1	*	cpr	cpr	cbc	bcc
Blacksod Point	1027.7	+4	NNE	3	bc	60	97	9	2	-	4	1	2-3	2500	0	2	c	bc	c	dd
Malin Head	1028.1	+8	N	1	bc	56	65	8	5	7	-	2-3	2-3	5700	0	2	bc	bc	bc	ccbcc
Aldergrove	1027.7	+10	NNW	2	bc	60	65	9	4	-	1	2-3	2-3	3500	0	*	cbcbd	bybc	bbw	bcwc
Birr Castle	1027.0	+4	W	1	c	66	75	8	8	-	-	7-8	7-8	1500	1	*	cpr	c	bcc	cido
Valentia Obsy. †	1028.2	+6	WNW	2	c	63	92	9	5	-	-	9	9	4000	0	1	iroidoc	c	cido	iroidDfido
Roches Point	1027.1	+2	S	2	c	62	92	8	8	7	-	4-6	7-8	1500	0	1	c	c	idcbc	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. • r$_o$, slight rain. rr, continuous rain.
<, less than (for cloud height). gale.
Solar halo. lunar halo. Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

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

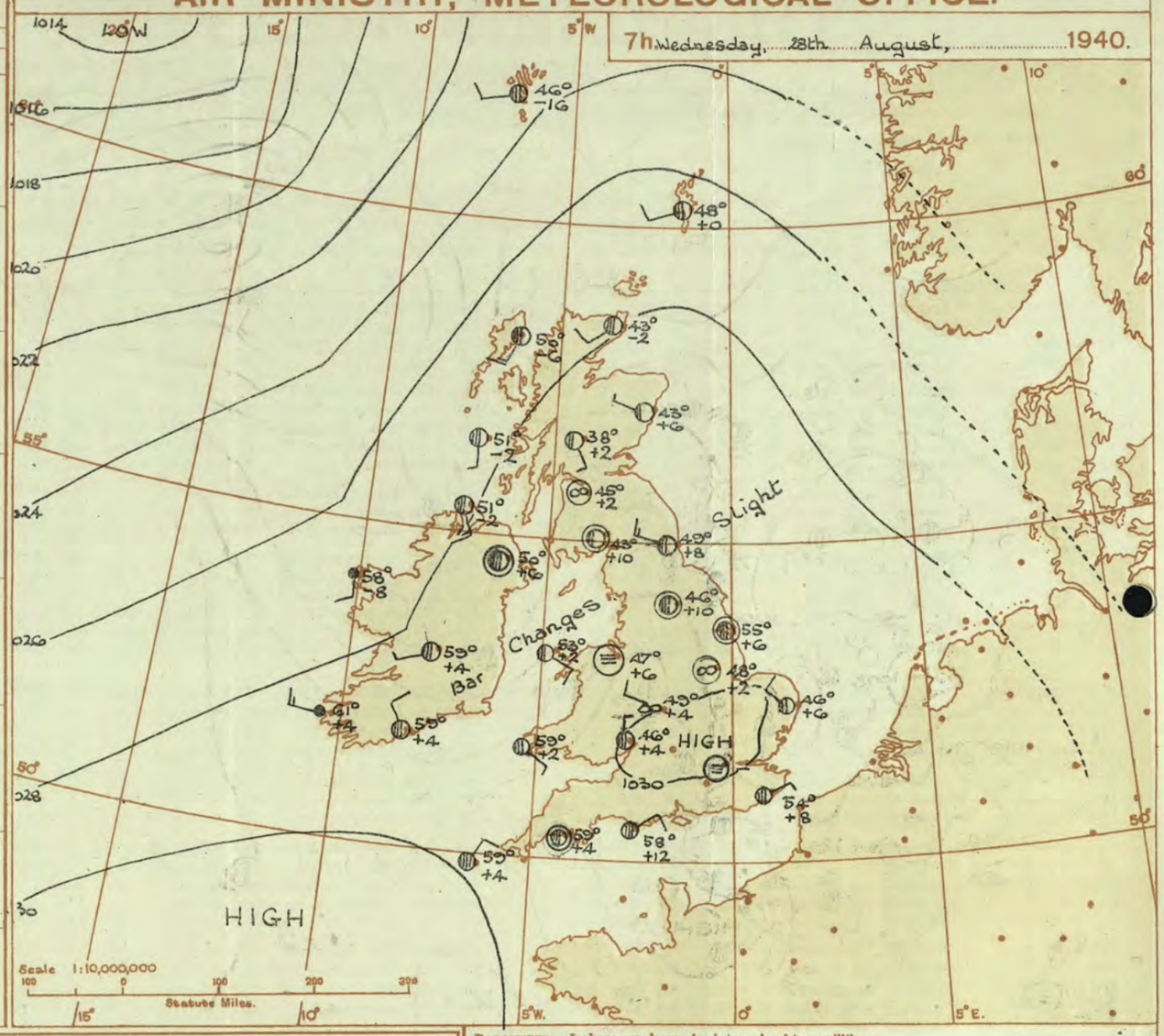
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday, 28th August, 1940.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 27th August			18h. G.M.T.			01h. G.M.T. 28th August			07h. G.M.T.		
III	$C_L C_M$	wwVhN_h	DDFWN	$C_L C_M$	wwVhN_h	DDFWN	$C_L C_M$	wwVhN_h	DDFWN	$C_L C_M$	wwVhN_h	DDFWN
109	8-	81747	26487	8-	02856	28486	10	01862	00012	80	02742	00017
115	51	82844	20385	51	82844	32385	80	01953	16185	·	01951	16226
203												
206	8-	02965	22115	5-	01964	30224	5-	01964	25124	07	02990	00025
210	10	01953	24313	86	02956	30327	5-	01863	00013			
220				53	03845	27327				51	01863	25117
230												
245	80	01964	14414	5-	02967	20327	37	01972	31263	8-	02967	24227
260	70	01965	00015	70	01973	24114	40	05663	00013			
271	10	01964	30314	70	01962	30413	5-	01865	28115	50	01963	00023
279												
285	20	01845	02315	20	01845	16415				8-	01855	30315
288	37	02864	04425	50	01878	05214	50	05674	22214	57	05671	18227
273	27	01862	02103							17	01763	03104
301	23	02761	30412	13	01861	30313	04	01790	30114	07	05590	00026
321	80	01754	01214	57	02755	06326	50	05663	25113	60	08490	00000
299	20	01753	32313	50	01751	01311				57	05644	24215
292	20	01754	29154	73	02854	06115	50	01764	00014	03	05690	26115
310	--	01634	24314	--	01633	24413				·	01534	24314
316	53	02664	32267	5-	05664	04214	00	00590	00010	03	46390	26147
333	86	01854	32324	80	02965	31225	03	00890	28202	57	02963	00027
334	--	02745	28327	--	01864	30314					03838	00028
340	70	01855	29315	14	00962	30303	04	00890	24202	57	02973	00017
136	52	61545	02368	54	01841	03262	5-	05645	00015	15	02762	00010
336	--	01851	28413	--	01851	28513					02853	32416
350	84	25855	24227	47	01764	04385	00	47290	00010	03	43390	26146
368	26	01854	24415	44	01852	23313	50	00762	00012	57	02761	06218
379	7-	02856	26326	40	01764	30214	50	05662	06312	03	02790	28216
390				53	05644	01325				53	05671	24147
382	27	02864	30325	46	02766	28127	04	05690	00001	00	08690	00026
438	57	02754	24315							57	01754	04214
430	73	02764	26216	23	02862	30215	00	05690	02200			
409				80	01853	30314	53	00742	00013	53	41423	00046

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



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th August, 1940.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Light variable breeze; fair or fine, some early morning fog; temperature below average especially at night.
6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light variable to southwest breeze; fine or fair, cloud slowly increasing; temperature rather below average.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland	Wind becoming south to southwest, increasing, possibly strong off northern coasts by tomorrow; fair, cloud increasing, drizzle or rain spreading from the West later today; rather cool.
16 Orkneys and Shetlands	Light to moderate southwest wind; cloudy, coastal drizzle and fog today, probably more general rain tomorrow; rather close.
17 N. W. Ireland	
18 N. E. Ireland	As 6-11
19 S. E. Ireland	As 1-5
20 S. W. Ireland	Wind variable to westerly, light; fair apart from local coast drizzle and fog; close.

GENERAL INFERENCE.

An anticyclonic centre covers South England and extends to the southwestward. An associated ridge of high pressure extending to West Norway is moving east and a depression off Southwest Iceland will move eastwards and probably deepen.

Weather will continue fair over England, Wales and South Ireland, but conditions will gradually become unsettled in Scotland. Temperatures will continue rather below average.

FURTHER OUTLOOK.

Mainly dry in the Southern half of the country; rather unsettled and cool in the North.

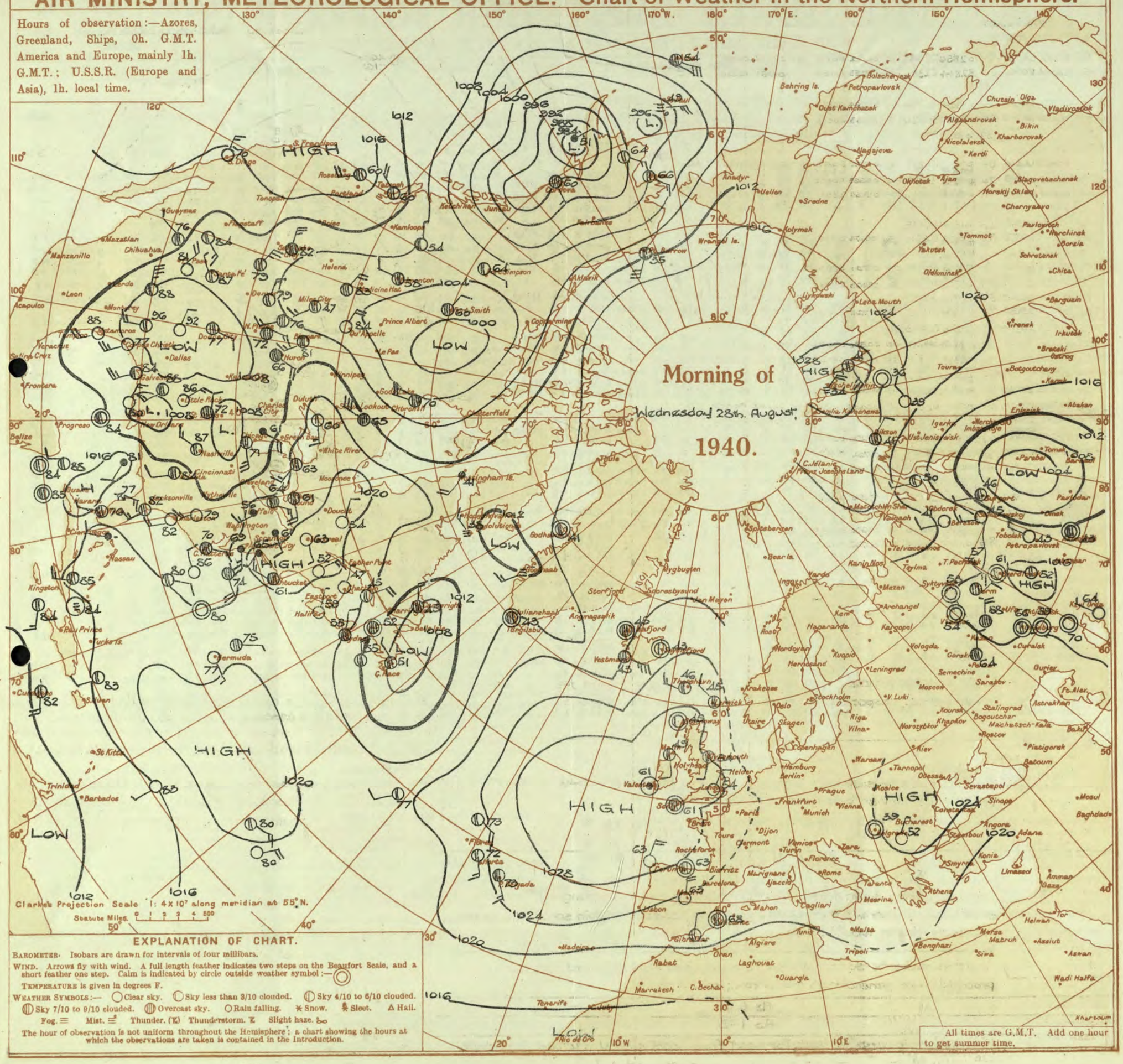
Forecasts issued at 10.30. G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation :—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 28th August, 1940.

No 28769

OBSERVATIONS at 1 hr. G.M.T. 28th August

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217														
	S. Farnborough	226	1028·8	+8	–	0	bF+	48	97	1	–	–	–	0	0	–
	Boscombe Down	417	1028·3	+6	–	0	zo	52	92	6	–	–	–	0	0	–
	Calshot (Sthmtn.)	8	1027·6	+10	ENE	2	zo	58	85	6	–	–	–	0	0	–
	Lympne ...	346	1028·1	+2	NE	2	b	54	92	7	–	–	–	0	0	–
	Manston ...	154														
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1028·4	+6	N'E	3	b	50	85	7	–	–	–	0	0	–
	Gorleston ...	5	1028·0	+2	NW'W	1	b	49	85	7	1	–	–	Tr	Tr	2500
	Mildenhall ...	19	1028·8	+6	–	0	zo	45	97	6	5	–	–	7-8	7-8	2500
	Cranwell ...	240	1028·5	0	SE	1	zo	50	97	6	5	–	–	9+	9+	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1028·9	+18	NNE	2	zo	53	85	6	5	–	–	10	10	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1028·4	–2	NNE	2	b	59	92	8	–	–	–	0	0	–
	Bristol ...	209	1028·8	+6	–	0	zo	51	85	6	–	–	–	0	0	–
	Portland Bill ...	32	1025·9	+4	NW	2	b	61	92	8	–	–	–	0	0	–
	Plymouth ...	82	1028·5	+2	N	2	bc	60	85	8	5	–	–	2-3	2-3	3000
	The Lizard ...	240	1029·0	+4	NNE	2	bc	56	97	8	4	4	–	2-3	4-6	3500
	Scilly (St. Mary's)	163	1029·3	+2	–	0	c	61	92	8	8	4	–	7-8	9+	1100
	Guernsey ...	175														
6	Pembroke ...	142	1028·6	+2	NE'E	3	c	58	85	8	8	2	–	7-8	7-8	2000
7	Holyhead ...	26	1029·0	+2	–	0	b	55	97	8	5	3	–	Tr	Tr	5700
	Chester (Sealand)	16	1028·7	+2	–	0	zo	44	92	6	–	3	–	0	7-8	–
8	Manchester ...	70	1028·7	+6	–	0	bcF+	39	97	1	–	3	–	0	2-3	–
10	Spurn Head ...	29	1028·1	0	SSW	1	c	54	85	7	4	6	–	4-6	7-8	4000
	Catterick ...	175	1028·6	+2	–	0	zo	46	97	6	5	–	–	4-6	4-6	4500
	Tynemouth ...	108	1027·5	0	WSW	3	bc	50	85	6	8	–	–	4-6	4-6	2500
11	St. Abbs Head	280	1027·8	+16	N	3	bc	52	85	8	4	4	7	2-3	4-6	3000
	Leuchars ...	36	1028·5	+10	NNE	1	bc	49	85	7	5	–	–	4-6	4-6	3500
12	Renfrew (Abbots I.)	19	1028·7	+8	–	0	zo	44	92	5	–	–	5	0	2-3	–
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1029·1	+8	N	3	bc	54	85	8	5	–	–	2-3	2-3	2500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1028·3	+4	–	0	b	45	85	7	5	4	–	Tr	1	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1028·2	+6	W	2	bc	41	92	8	5	5	–	2-3	2-3	2500
16	Lerwick ...	156	1028·5	+4	NW'N	2	bc	45	75	8	5	–	–	4-6	4-6	2500
17	Blacksod Point	18	1028·7	+2	–	0	c	53	97	8	–	7	–	0	10	–
18	Malin Head ...	84	1029·4	+4	S	2	bc	49	85	7	4	–	–	4-6	4-6	4000
	Aldergrove ...	268	1029·6	+2	SE	1	bc	43	92	8	5	–	6	Tr	4-6	4000
19	Birr Castle ...	173	1028·7	+2	WNW	1	c	57	97	8	8	–	–	7-8	7-8	1500
20	Valentia Obsy.	30	1029·7	+2	–	0	id.	61	97	6	5	–	–	10	10	1500
	Roches Point	22	1028·9	+4	NW'W	3	bc	59	92	8	5	–	–	4-6	4-6	2500

OBSERVATIONS at 7 hr. G.M.T. 28th August

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0–10 (26)	Cloud. Amount. Total 0–10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1029·7	+8	–	0	zo	54	92	5	5	–	–	9+	9+	2500	0	*
	Croydon ...	*	*	–	0	m	*	*	4	–	4	*	0	4-6	–	*	*
	S. Farnborough	1030·0	+6	–	0	zo	52	97	5	5	–	–	10	10	600	0	*
	Boscombe Down	1029·7	+4	NNE	1	f+	53	97	2	–	–	–	10	10	4150	0	*
	Calshot (Sthmtn.)	1029·2	+10	NNE	2	m	55	97	4	5	–	–	10	10	200	0	0
	Lympne ...	1029·1	+8	NE	1	c	54	85	8	5	–	9	4-6	7-8	5700	0	2
	Manston ...	1029·4	+8	–	0	bc	55	85	7	1	3	6	1	4-6	2000	0	*
2	Shoeburyness ...	1029·5	+10	N'W	1	c	50	92	6	1	7	1	Tr	9	4000	0	*
	Felixstowe ...	1029·7	+10	NNE	1	bc	50	92	6	–	–	1	0	2-3	–	1	1
	Gorleston ...	1030·0	+6	NW	2	bc	46	92	6	–	4	–	0	4-6	–	0	1
	Mildenhall ...	1029·5	+6	SW	1	f–	44	97	2	5	–	–	7-8	7-8	4000	0	*
	Cranwell ...	1029·0	+2	–	0	zo	48	97	6	–	3	6	0	7-8	–	0	*
3	Birmingham ...	1029·9	+4	WNW	2	zo	49	85	6	–	7	6	0	9	–	0	*
	Upper Heyford	1029·8	+4	–	0	zo	48	85	6	5	7	2	2-3	9	400	1	*
4	Ross-on-Wye	1030·0	+4	N	1	c	46	92	7	5	7	8	Tr	9+	4000	0	*
5	Hartland Point	1029·2	+6	NE	1	c	59	92	8	5	7	–	4-6	9	2500	0	1
	Bristol ...	1030·3	+6	ESE	1	zo	49	92	6	5	–	2	9	9+	4000	0	*
	Portland Bill ...	1029·4	+12	NE	2	c	58	92	7	5	–	–	10	10	4000	0	2
	Plymouth ...	1029·3	+4	–	0	c	59	85	8	5	7	–	7-8	9+	6000	0	1
	The Lizard ...	1029·9	+4	NE'N	2	c	58	97	8	8	6	–	7-8	7-8	2500	0	1
	Scilly (St. Mary's)	1029·7	+4	NE'N	2	ojf	59	97	8	5	–	–	10	10	1100	0	1
	Guernsey ...																
6	Pembroke ...	1029·4	+2	SE	1	c	59	97	8	8	6	–	7-8	9+	2500	0	1
7	Holyhead ...	1029·2	+2	SE'E	2	c	53	85	8	5	7	–	7-8	10	5700	0	1
	Chester (Sealand)	1029·6	+6	–	0	f8	47	92	7	–	3	–	0	9	–	0	*
8	Manchester ...	1029·8	+6	–	0	m	45	97	4	–	7	–	0	9+	–	1	*
10	Spurn Head ...	1029·1	+6	–	0	c	55	85	7	4	4	9	4-6	9+	2500	0	1
	Catterick ...	1029·6	+10	–	0	c	46	85	7	–	7	–	0	9+	–	0	*
	Tynemouth ...	1028·5	+8	WNW	3	c	49	92	6	8	–	–	9	9	2500	0	1
11	St. Abbs Head	1029·2	+12	NNE	2	c	51	75	8	5	2	–	7-8	9+	2400	0	1
	Leuchars ...	1029·4	+10	W	1	c	47	85	7	7	7	–	Tr	9+	4000	0	*
12	Renfrew (Abbots I.)	1029·0	+2	–	0	zo	45	97	5	5	3	2	1	7-8	5700	1	*
	Eskdalemuir ...	1029·8	+10	–	0	c	43	92	7	5	7	–	2-3	7-8	1500	1	*
	Point of Ayre ...	1029·2	+4	WSW	2	c	50	97	8	5	7	–	Tr	9	2500	0	1
13A	Tiree ...	1027·3	–2	S	1	c	51	85	9	4	–	–	7-8	7-8	2500	0	1
13B	Stornoway ...	1027·0	–6	SSW	3	c	50	87	8	5	5	7	4-6	10	1700	1	2
15	Dalwhinnie ...	1029·2	+2	SSE	1	bc	38	97	7	4	4	–	1	2-3	800	1	*
	Aberdeen ...	1029·0	+6	WNW	1	bc	43	92	8	5	7	–	1	4-6	4000	1	1
	Wick ...	1027·9	–2	SW	2	c	43	92	8	5	3	9	4-6	7-8	2500	1	1
16	Lerwick ...	1027·0	0	WSW	2	c	48	75	8	5	3	–	4-6	7-8	1500	0	*
17	Blacksod Point	1027·2	–8	S	2	dd	58	97	6	6	1	–	10	10	<150	1	3
18	Malin Head ...	1027·8	–2	SSE	3	bc	51	92	8	5	–	4	2-3	4-6	5700	0	2
	Aldergrove ...	1029·4	+6	–	0	c	50	85	8	5	7	–	2-3	7-8	4000	0	*
19	Birr Castle ...	1028·9	+4	WSW	1	c/d	59	97	8	5	1	–	7-8	10	2500	0	*
20	Valentia Obsy.	1030·0	+4	W'N	3	id.	61	97	6	5	–	–	10	10	800	1	2
	Roches Point	1029·3	+4	NNW	2	c	59	92	8	5	–	–	7-8	7-8	2500	0	1

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 27th. Hrs. (36)
1	London (Kew)	71	49	37	–	–	3·6
	Croydon ...						
	S. Farnborough	73	45	39	Tr	–	2·3
	Boscombe Down	71	46	39	–	–	4·0
	Calshot (Sthmtn.)	71	52	50	–	–	2·5
	Lympne ...	71	49	34	–	Tr	1·9
	Manston ...		46			–	
2	Shoeburyness ...	73	46	36	Tr	–	1·5
	Felixstowe ...	71	46	42	3	–	1·4
	Gorleston ...	67	44	40	–	–	0·8
	Mildenhall ...	69	40	37	3	Tr	0·9
	Cranwell ...	61	44	38	Tr	Tr	1·8
3	Birmingham ...	67	47	34	0·5	0·1	4·1
	Upper Heyford	70	45	37	–	–	*
4	Ross-on-Wye	70	43	36	–	–	2·5
5	Hartland Point	66	57	53	–	–	10·1
	Bristol ...	71	44	35	–	Tr	6·3
	Portland Bill ...	64	57	*	–	–	*
	Plymouth ...	72	58	52	–	–	~~9·8~~ 0·0
	The Lizard ...	71	54	*	–	–	12·0
	Scilly (St. Mary's)	69	57	*	–	–	10·8
	Guernsey ...						
6	Pembroke ...	65	56	*	–	–	9·8
7	Holyhead ...	61	49	37	Tr	–	6·1
	Chester (Sealand)	61	42	35	0·3	–	8·0
8	Manchester ...	65	37	34	Tr	–	7·6
10	Spurn Head ...	60	51	*	0·3	–	4·8
	Catterick ...	61	42	34	Tr	–	8·6
	Tynemouth ...	56	48	45	–	–	*
11	St. Abbs Head	60	50	*	–	–	*
	Leuchars ...	63	43	*	–	–	*
12	Renfrew (Abbots I.)	62	40	34	Tr	–	8·8
	Eskdalemuir ...	62	37	31	–	–	11·3
	Point of Ayre ...	63	46	*	–	–	11·1
13A	Tiree ...	60	44	*	–	–	9·0
13B	Stornoway ...	57	43	*	0·1	–	5·0
15	Dalwhinnie ...	53	33	29	–	–	5·8
	Aberdeen ...	61	41	37	1	0·1	7·2
	Wick ...	57	36	*	0·5	–	*
16	Lerwick ...	52	43	*	1	–	5·1
17	Blacksod Point	64	54	*	0·2	10	*
18	Malin Head ...	58	45	*	–	–	12·9
	Aldergrove ...	66	42	40	–	–	8·6
19	Birr Castle ...	69	55	52	3	Tr	1·0
20	Valentia Obsy.	66	60	56	1	0·4	2·2
	Roches Point	65	58	*	Tr	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine. to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew ...	18	ccmocy	cyczo	bccmw	71	49	37	–	–	3·6	*	*	7
Croydon ...	217										*	*	
Greenwich (Royal Observatory) ...	149	cbc	cdobc	bcbmw	71	48	36	Tr	–	1·8	64	77	4
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	71	52	47	–			73	81	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	70	49	42	–	–		63	71	*
Camden Square ...	110	bc	c	*	73	49	42	–	–	*	*	79	*
Kensington ...	80	bc	bc	*	72	50	42	Tr	–		71	78	*
Hampstead Observatory ...	450	bcp	bc	cbm	70	55	52	–	–		*	91	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 28th.

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
0·1	6-7h 28th	<0·1	rest of period

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 27th August. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 28th August. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris ...														
Brussels ...														
Berlin ...														
Zürich ...														
Rome ...														

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 ,,
2 Fog	550 ,,
3 Moderate fog	1,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6¼ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30 — Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptious.
4 Rough.	9 Confused.

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

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

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION — SECRET

Thursday 29th August 1940.

No. 28,770

OBSERVATIONS at 13h. G.M.T. 28th August

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1029.1	-10	SW'S	2	c	65	65	7	1	3	1	4-6	9	4000
	Croydon			WSW	2	bc			7	1	3				4000
	S. Farnborough	1029.1	-10	SW	3	bc	66	55	7	1	3	2	2-3	4-6	3500
	Boscombe Down	1029.1	-10	NNW	1	bc	66	45	8	2	4	1	Tr	2-3	4000
	Calshot (Soton.)	1029.3	-4	NE'E	5	z	63	75	6	2	3	1	1	1	4000
	Lympne	1029.1	-2	SE'E	3	bc	64	55	8	1	4	8	4-6	4-6	2200
	Manston														
2	Shoeburyness	1029.6	-6	SE	3	c	63	55	8	1	7	-	7-8	9+	4000
	Felixstowe	1029.6	-4	SE	3	c	61	55	9	-	3	2	0	9	-
	Gorleston	1025.9	+2	SSE	3	c	59	55	7	-	3	-	0	7-8	-
	Mildenhall	1028.9	-10	S'W	2	c	65	55	7	7	6	1	7-8	7-8	4000
	Cranwell	1028.5	-10	-	0	z	66	55	6	1	-	-	2-3	2-3	2500
3	Birmingham	1028.5	-6	WNW	2	bc	65	45	8	1	-	1	1	2-3	-
	Upper Heyford	1029.0	-10	WNW	2	c	67	45	8	1	3	1	Tr	7-8	2800
4	Ross-on-Wye	1028.8	-8	W	2	bc	67	55	8	7	9	9	2-3	4-6	4000
5	Hartland Point	1029.5	-2	W	2	c	63	85	9	2	2	-	1	9+	2500
	Bristol	1029.5	-12	-	0	bc	68	55	8	-	3	1	0	2-3	-
	Portland Bill	1029.5	+4	SE	2	bc	64	75	7	2	-	-	4-6	4-6	4000
	Plymouth	1029.4	-2	S	3	bc	65	75	8	8	6	1	2-3	2-3	2000
	The Lizard	1029.7	-4	W	2	bc	68	75	8	2	-	-	2-3	2-3	3500
	Scilly (St. Mary's)	1030.4	0	W	1	bcjf	69	75	7	8	3	-	4-6	4-6	800
	Guernsey														
6	Pembroke	1029.8	0	S'E	3	dd	60	65	6	5	-	-	10	10	10000
7	Holyhead	1028.2	-10	SSW	4	c	62	75	8	5	7	6	2-3	9	3500
	Chester (Sealand)	1028.2	-12	WSW	1	z	67	55	7	5	-	-	9+	9+	2500
8	Manchester	1028.4	-6	W'S	3	bc	65	55	8	1	3	-	4-6	4-6	3000
10	Spurn Head	1028.1	-6	SE'E	4	c	61	75	6	4	6	-	4-6	7-8	4000
	Catterick	1027.2	-18	-	0	c	65	55	8	2	-	6	1	7-8	3000
	Tynemouth	1028.1	-10	SE	3	bc	57	75	8	2	-	-	4-6	4-6	2500
11	St. Abbs Head	1026.9	-14	SE	3	c	55	75	9	7	3	-	4-6	9	2400
	Leuchars	1026.0	-20	SSW	3	c	59	55	7	8	3	-	4-6	9+	1800
12	Renfrew (Abbots I.)	1026.4	-18	SW	3	c	62	55	8	1	1	8	Tr	10	4500
	Eskdalemuir	1026.7	-10	SWW	3	c	57	65	8	7	-	8	2-3	7-8	2500
	Point of Ayre	1027.9	-8	NE'N	2	c	60	85	8	5	4	-	4-6	7-8	4000
13A	Tiree	1022.7	-20	S	5	c	56	85	8	5	-	-	9	9	1800
13B	Stornoway	1021.9	-36	SSW	6	c/r	53	85	8	5	2	-	7-8	10	1500
15	Dalwhinnie	1025.7	-10	SSW	1	c	52	75	7	5	1	-	7-8	10	1500
	Aberdeen	1025.9	-14	SSW	3	c	53	75	7	9	1	-	7-8	10	1500
	Wick	1023.6	-20	SSW	4	c	51	75	9	5	2	-	4-6	10	1500
16	Lerwick	1023.8	-18	SSW	3	c	50	75	8	8	7	-	4-6	9+	1500
17	Blacksod Point	1027.3	+4	W	3	o	61	97	7	5	-	-	10	10	<150
18	Malin Head	1024.7	-18	S	2	c	63	85	8	8	-	-	7-8	7-8	5700
	Aldergrove	1026.3	-14	SW'S	3	c	70	65	8	5	6	-	9	9+	2500
19	Birr Castle	1028.3	-4	WSW	1	c/d	66	85	8	8	7	-	7-8	9+	1500
20	Valentia Obsy. †	1031.1	+4	W'N	3	z	63	97	6	5	-	-	10	10	800
	Roches Point	1029.4	-2	SSW	2	c	63	92	8	8	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 28th August

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1027.0	-10	WNW	2	bc	69	35	8	-	-	4	0	4-6	-	0	*
Croydon			-	0	bc			7	1	-		Tr	2-3	4000		*
S. Farnborough	1027.1	-8	W	1	bc	69	35	8	2	4	4	Tr	4-6	3000	0	*
Boscombe Down	1027.2	-10	NW	2	bc	67	55	8	5	3	-	4-6	4-6	3500	0	*
Calshot (Soton.)	1027.5	-8	WSW	3	z	64	85	6	1	-	2	Tr	2-3	3000		§
Lympne	1028.0	-12	SE	1	B	57	65	8	-	-	1	0	Tr	-	0	1 *
Manston																
Shoeburyness	1027.5	-10	SE	3	bc	61	65	8	4	-	-	Tr	2-3	4000	0	*
Felixstowe	1027.6	-12	S	3	bc	60	65	9	-	-	6	0	4-6	-	1	1
Gorleston	1027.3	-10	S'W	3	bc	60	65	7	-	7	-	0	2-3	-	0	2
Mildenhall	1026.3	-10	SSW	2	bc	65	45	8	-	-	1	0	2-3	-		*
Cranwell	1025.8	-14	W	1	z	62	55	6	-	-	2	0	2-3	-	0	*
Birmingham	1026.3	-8	SW	2	c	65	65	8	5	-	-	9+	9+	5700	0	*
Upper Heyford	1027.0	-10	W	2	c	66	55	8	5	-	6	4-6	7-8	4000	0	*
Ross-on-Wye	1026.4	-10	WSW	2	z	65	55	6	5	-	9	4-6	7-8	2500	0	
Hartland Point	1028.0	-4	W	3	c	62	92	8	5	-	-	9	9	800	0	1 *
Bristol	1027.5	-4	W	1	c	65	75	8	5	7	-	4-6	9+	7200	0	
Portland Bill	1027.9	-14	SW	2	c	63	85	7	5	7	-	7-8	10	4000	0	2
Plymouth	1028.4	-10	SSW	2	bc	63	92	8	8	-	6	4-6	7-8	2000	0	2
The Lizard	1028.8	-4	NW	3	bc	63	92	8	8	6	-	4-6	4-6	2500	0	1
Scilly (St. Mary's)	1029.2	-8	NW	3	c	67	85	8	8	4	4	4-6	9	1100	0	1
Guernsey																
Pembroke	1028.1	-6	W	3	df	61	92	2	9	-	-	10	10	<150	1	1
Holyhead	1025.8	-14	SW	4	id	61	97	6	5	3	-	7-8	9+	800	1	2
Chester (Sealand)	1025.8	-12	-	0	c	64	75	7	5	3	5	4-6	9+	4000	0	*
Manchester	1025.8	-12	W	2	z	62	75	6	5	-	-	10	10	2300	0	
Spurn Head	1025.1	-10	SE'E	2	bc	59	85	6	-	-	6	0	4-6	-	0	1
Catterick	1024.4	-6	-	0	c	61	65	8	4	7	8	2-3	9+	4000	0	*
Tynemouth	1023.7	-20	SSE	3	c	56	85	7	5	2	-	7-8	9	2500	0	1
St. Abbs Head	1021.8	-22	SW	3	rr	57	75	3	5	-	-	10	10	2500	1	2
Leuchars	1020.8	-34	W	1	rr	55	85	6	6	2	-	4-6	10	900	1	*
Renfrew (Abbots I.)	1021.3	-34	SW	1	rr	57	92	5	5	2	-	9	10	1000	1	*
Eskdalemuir	1022.7	-24	SWW	4	r.r.	54	92	6	-	2	-	10	10	1500	1	*
Point of Ayre	1023.6	-26	WSW	4	r.r.	61	97	7	8	2	-	2-3	10	1500	1	2
Tiree	1019.7	-6	WNW	4	d.d.	57	97	5	-	2	-	10	10	400	1	4
Stornoway	1016.8	-14	W	6	ir	56	97	6	3	2	-	9	10	1000	1	3
Dalwhinnie	1019.8	-40	SW	3	ir.	50	92	6	5	-	-	10	10	800	1	
Aberdeen	1018.9	-46	SW'W	4	rr.	52	85	5	6	2	-	9+	10	800	1	2
Wick	1014.9	-52	SSW	5	RR	50	92	6	5	2	-	7-8	10	800	1	2
Lerwick	1018.0	-20	SSW	4	rr	47	92	6	6	2	-	7-8	10	800	1	
Blacksod Point	1026.6	-4	W'S	4	id	60	97	5	6	-	-	10	10	<150	0	3
Malin Head	1022.0	-14	SW	3	d.d.	59	97	6	8	-	-	9+	9+	800	0	2
Aldergrove	1023.3	-16	WSW	3	c	62	92	9	5	-	-	10	10	1400	1	*
Birr Castle	1027.6	0	WSW	3	c	64	85	8	5	1	-	7-8	10	2500	0	*
Valentia Obsy. †	1030.7	+4	NWW	2	c	63	92	8	5	-	-	9+	9+	450	0	1
Roches Point	1028.6	-4	NW	4	c	67	85	8	5	-	5	4-6	7-8	2500	0	2

PAST 24 HOURS.

Stations	Weather 7h.–13h. 28th (37)	Weather 13h.–18h. 28th (38)	Weather 18h. 28th to 1h. 29th (39)	Weather 1h.–7h. 29th (40)
London (Kew)	cmzvc	cbc bybcy	bcybbc	bcc
Croydon				
S. Farnborough	pmzcbcy	bcbbcy	bcyc	cid.m.c
Boscombe Down	cmbc	bc	bcc	c
Calshot (Soton.)	omom,bm	bcm bm	bcm.	
Lympne		bcy b		
Manston				
Shoeburyness	cmwvy	cbvy	b,cm.	cm.ir.
Felixstowe	bcmzcvy	cry, bry	bbc	cid.m.bc
Gorleston	bccy	cybc	bcb,c	c
Mildenhall	cfcmbccy	cyby bcy	bcyb,cz.	cz.cm.c
Cranwell	cbcmz	bbcz	bcz.,r.r.	ir.,qbc
Birmingham	cb	b,c	cbc	bc
Upper Heyford		cbbcc	c	cm.c
Ross-on-Wye	cbbc	bcycy	cb	cbcc
Hartland Point	cbcc	c	cbcc	cid.
Bristol	cbczby	bcyc	cbcc	cid.m.c
Portland Bill	cbc	c	cbc	c
Plymouth	cbccbcb	bcpcbc	bcb;oc	cobcc
The Lizard	bc	bc	bcw	cidc
Scilly (St. Mary's)	cbc	cbcc	c	c
Guernsey				
Pembroke	mdc	id df	bc	cbcq
Holyhead	c	cidmc	id.rm.c	cbcc
Chester (Sealand)	cz	c	d.d.m.	cbcc
Manchester	cmftfmm	bcycm	cm.id.r.	cir.c
Spurn Head	c	c	ir.o	cqbc
Catterick	cbcy	bcyc	r.r.d.m.bc	bcbcc
Tynemouth	cbc	bcc	c oir.obc	bcbbcc
St. Abbs Head	cbcc	cor	rbbcq	cq
Leuchars	cwcbccy	cycr.crr	rr bcm.b	bbc
Renfrew (Abbots I.)	bmewm	cr.rRm	crd.bcm.	c
Eskdalemuir	bcwbc	bccr.r.	ordd	oddcbc
Point of Ayre	bcc	cr.r.	bcc	
Tiree	bcc	or.d	oid.c	c
Stornoway	cRR	cPR	cir	bcc
Dalwhinnie	bcco	oir.o		cbcc
Aberdeen	bcc	cr.r	crb.c	bcc
Wick	c	Rrm	prmir	irm.c
Lerwick	c	crrm	crr.r.	cr.r.pr
Blacksod Point	o	id	id	c
Malin Head	c	cprcid.c	cd.c	cpr.pr.c
Aldergrove	cbcc	cidide	c	cid.c
Birr Castle	cid.	c	cir.	c
Valentia Obsy. †	oidm	omc	id.dd r.r.	ddr.r.pr.bc
Roches Point	c	c	bcb	bcc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height). ↗gale.
⊕ Solar halo. Ⓛ lunar halo. ♔Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

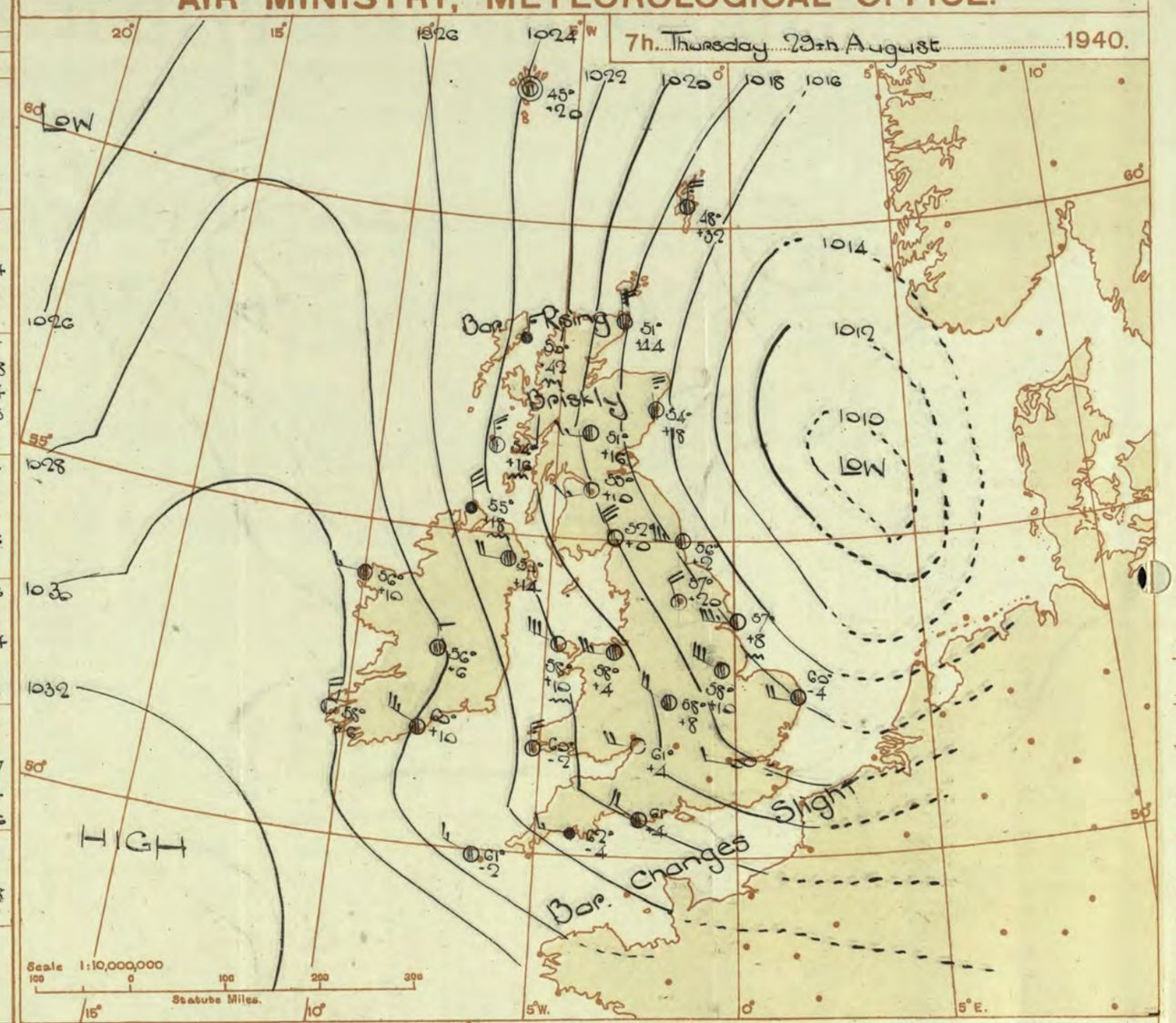
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 28th August			18h. G.M.T.			01h. G.M.T. 29th August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	82	03845	17428	5-	66528	16368	62	51634	26528	8-	02845	34525
115	86	02844	20487	--	67503	20469	52	61734	24567	52	02934	28567
203												
206	52	62853	00068	52	22955	26368	52	02855	24167			
210	52	02862	18128				5-	22848	24568	8-	25857	30557
220	52	22844	22568	62	53526	23358				52	03745	28428
230	52	61963	20328				5-	53638	24558			
245	57	02855	14828	52	64665	20368	50	00761	22461	5-	81954	28654
260	13	01861	24214	02	62678	20168	00	00700	20460	50	00862	22313
277	47	02963	18428	52	52627	20468	5-	05657	61557			
279												
285	13	01853	24314	5-	03748	24418				6-	61638	24668
288	20	05564	06224	57	02862	20217	52	02755	20367	50	01864	26414
273										33	09553	28605
301	7-	02867	25217	53	02766	24227	51	01754	61425	8-	81747	63417
321	10	00761	00001	53	05664	26215	57	05554	26266	00	02700	27314
299	50	01761	16211	5-	05647	16217						
292	10	01962	28113	57	02855	23317	54	01763	24463	5-	02845	23315
310	--	01653	24213							--	02636	26426
316	10	05661	18243	70	05662	20115	5-	05655	18225	50	01751	25615
333	52	02956	16328	57	51845	26661	5-	52747	24357	83	02945	32426
334	--	02866	24327							--	01754	28104
340	10	01853	28113	5-	02957	22227	5-	25747	24287	50	01854	28414
136				00	05690	19111	02	58668	20368	54	01870	27563
336	--	02853	23416	--	02853	24416				--	02853	28515
350	10	01761	24114	00	05690	22113	50	01664	20324	70	02854	26415
368	57	02761	10128	53	02874	23325	5-	21737	24357			
379	03	02790	28215	50	02855	26115	6-	05658	24318	20	01743	24317
390	53	05664	22227	03	05690	16114				53	01744	61524
382				54	01864	26214	5-	01764	22314	74	02853	26426
438	71	01854	14315							5-	03628	26528
430	2-	05655	18215				50	05573	24113			
409	83	01953	32126	53	02934	24316	5-	02738	24328	53	21626	2-358

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 29th August, 1940
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	Fresh or strong squally northwest wind, moderating and backing tonight. Local showers, chance of thunder, bright intervals, especially, at night. Rather cool.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands 17 N. W. Ireland 18 N. E. Ireland	Fresh or strong squally northwest wind, moderating temporarily, then backing southwest and freshening again. Local showers and bright intervals at first; Becoming cloudy later with rain spreading from west. Rather cool.
19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh northerly winds becoming light and variable later. Fair apart from scattered showers at first. Local coast fog and drizzle later. Rather cool.

GENERAL INFERENCE.

A depression over the North Sea is moving southeastwards. There will be showers in all districts but with bright intervals, especially at night. General rain will spread across northern districts tomorrow morning. It will be rather cool in all districts.

FURTHER OUTLOOK.

Mainly fair in the south, unsettled elsewhere.

Forecasts issued at 10.30. G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 29th August 1940.
No. 28,770.

OBSERVATIONS at 1 hr. G.M.T. 29th August

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	*	*	SSW	1	zo	*	*	6	5	-	*	2-3	2-3	3500
	S. Farnborough	226	1024·5	-18	SW	3	c	60	85	7	5	7	7	2-3	9+	2500
	Boscombe Down	417	1025·2	-14	W'S	4	bc	60	85	7	5	-	-	4-6	4-6	3000
	Calshot (Sthmtn.)	8	1025·1	-16	W	2	zo	57	92	5	5	-	-	Tr	Tr	2000
	Lympne ...	346														
	Manston ...	154														
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1023·1	-28	W'S	3	c	57	85	7	-	7	6	0	7-8	2700
	Gorleston ...	5	1021·8	-36	SW	3	c	56	85	6	5	-	-	10	10	1800
	Mildenhall ...	19	1021·8	-28	SW	4	zo	58	65	6	5	7	-	7-8	10	2500
	Cranwell ...	240	1020·9	-34	WSW	4	s/r	61	85	6	5	-	-	9+	9+	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1023·8	-18	SSW	3	c	59	85	7	5	-	-	9+	9+	2500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1026·3	-12	W	1	c	62	92	8	5	2	-	7-8	9	1500
	Bristol ...	209	1025·0	-18	WSW	2	c	61	97	7	5	-	-	9+	9+	2500
	Portland Bill ...	32	1025·6	-16	SW	2	bc	61	92	7	5	-	-	4-6	4-6	2500
	Plymouth ...	82	1027·3	-10	W'S	2	c	61	92	7	5	-	-	9+	9+	1000
	The Lizard ...	240	1028·2	-6	WNW	3	bc	60	97	8	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1029·0	-6	NW'W	3	c	60	97	8	8	4	-	4-6	7-8	1200
	Guernsey ...	175														
6	Pembroke ...	142	1026·2	-4	W'N	4	bc	61	92	7	5	-	-	4-6	4-6	2200
7	Holyhead ...	26	1022·9	-6	W	5	oc	60	97	7	9	-	-	9	9	2000
	Chester (Sealand)	16	1021·7	-18	W'N	4	o/d	62	85	7	6	-	-	10	10	800
8	Manchester ...	70	1021·1	-16	W	3	ir.	*	*	6	5	-	-	10	10	1800
10	Spurn Head ...	29	1018·0	-40	SW'S	3	o	59	85	6	5	-	-	10	10	2500
	Catterick ...	175	1017·7	-26	W'N	3	bc	62	85	7	5	-	-	4-6	4-6	2000
	Tynemouth ...	108	1016·5	-20	W	5	bc	60	85	6	2	-	-	2-3	2-3	4000
11	St. Abbs Head	280	1014·7	-10	WNW	7	bq	57	75	8	-	-	-	0	0	-
	Leuchars ...	36	1015·4	-4	WSW	3	bc	55	85	7	5	-	-	2-3	2-3	3500
12	Renfrew (Abbots I.)	19	1013·2	+2	W	4	zo	55	85	6	5	-	-	4-6	4-6	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1021·5	0	NNW	6	c	58	92	8	8	-	-	7-8	7-8	1500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1016·8	0	WNW	5	ir	54	97	6	8	7	-	7-8	9+	1000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1012·3	-4	WNW	4	ir	52	97	5	5	2	-	7-8	9+	800
16	Lerwick ...	156	1012·1	0	SE	4	r.r.	48	97	7	6	2	-	4-6	10	800
17	Blacksod Point	18	1027·6	+4	NW	3	id.	57	97	7	6	-	-	10	10	1500
18	Malin Head ...	84	1023·4	+2	NW	5	c	56	85	6	8	-	-	9+	9+	1500
	Aldergrove ...	268	1023·3	+6	NW'W	5	c	57	75	8	5	-	-	10	10	2600
19	Birr Castle ...	173	1026·6	-4	SW	2	o/r	61	97	7	5	-	-	10	10	1500
20	Valentia Obsy.	30	1029·8	-8	NW'W	4	r.r.	62	92	6	5	-	-	10	10	800
	Roches Point	22	1027·7	-8	NW	3	b	60	85	8	5	-	-	1	1	2500

OBSERVATIONS at 7 hr. G.M.T. 29th August

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	1020·8	-4	NW	3	c	64	75	7	5	-	6	4-6	7-8	2500	0	*
	Croydon ...	*	*	WNW	2	zo	*	*	6	5	-	-	7-8	7-8	3000		*
	S. Farnborough	1021·8	-6	WSW	3	c	62	85	8	7	3	2	7-8	9	1500	0	*
	Boscombe Down	1022·4	+2	NW'W	4	bc	62	85	7	1	7	1	2-3	4-6	3000	0	*
	Calshot (Sthmtn.)																§
	Lympne ...																*
	Manston ...																
2	Shoeburyness ...	1019·9	-6	WNW	3	c	63	85	6	2	3	-	4-6	7-8	2500	0	*
	Felixstowe ...	1019·3	-6	WNW	4	bc	61	92	7	8	6	-	2-3	4-6	2000	0	1
	Gorleston ...	1017·8	-4	WNW	4	c	60	85	7	5	-	-	9	9	1600	0	*
	Mildenhall ...	1019·0	+2	WNW	4	c	61	75	7	8	-	-	7-8	7-8	2500	0	*
	Cranwell ...	1019·6	+10	NW	6	c	58	65	8	1	-	8	Tr	7-8	2500	0	
3	Birmingham ...	1021·5	+8	NW	4	c	58	75	8	8	-	9	4-6	7-8	2500	0	*
	Upper Heyford	1021·7	0	WNW	4	c	61	75	8	5	-	6	2-3	9	1500	0	*
4	Ross-on-Wye	1022·7	+4	WNW	4	b	61	75	8	1	-	1	Tr	1	4000	0	*
5	Hartland Point	1025·4	0	NW	3	c/d	63	92	8	5	2	-	7-8	10	800	0	3
	Bristol ...	1023·6	+2	WNW	3	c	61	92	8	2	-	9	7-8	7-8	1800	0	*
	Portland Bill ...	1024·1	+4	NW	4	c	61	85	8	2	4	-	4-6	10	4000	0	3
	Plymouth ...	1025·4	-4	W'N	3	do.	62	92	6	-	2	-	10	10	1500	*	1
	The Lizard ...	1026·9	-4	W'N	4	c	61	97	8	8	2	-	9	10	2000	0	2
	Scilly (St. Mary's)	1027·6	-2	NW	3	cjf	61	97	6	8	-	-	9+	9+	1200	0	1
	Guernsey ...																
6	Pembroke ...	1025·9	-2	NNW	5	bcq	60	85	8	8	4	1	2-3	4-6	1600	0	2
7	Holyhead ...	1023·9	+10	NW'W	6	bc	58	85	8	2	4	6	Tr	4-6	2500	1	4
	Chester (Sealand)	1022·4	+4	WNW	5	c	58	75	8	8	-	-	9+	9+	1500	1	*
8	Manchester ...	1021·5	+2	WNW	4	pr	57	75	7	7	-	-	9+	9+	1200	1	
10	Spurn Head ...	1017·6	+8	WNW	7	bcq	57	75	7	-	-	1	0	4-6	-	1	4
	Catterick ...	1019·8	+20	NW	4	bc	57	75	8	8	-	-	4-6	4-6	3000	0	*
	Tynemouth ...	1017·6	+2	WNW	5	c	56	75	7	8	-	-	9	9	2300	1	1
11	St. Abbs Head	1016·5	+4	WNW	6	cq	55	75	8	5	4	1	4-6	7-8	2500	0	4
	Leuchars ...	1017·2	+10	W	4	bc	57	65	8	5	4	-	2-3	2-3	4500	1	*
12	Renfrew (Abbots I.)	1020·3	+10	WSW	3	bc	55	85	9	8	-	-	4-6	4-6	2000	1	*
	Eskdalemuir ...	1018·9	0	NW'N	6	bc	52	75	8	5	-	-	4-6	4-6	1500	1	
	Point of Ayre ...	1021·9	+2	NW'N	7	bc/pr	56	92	8	8	-	-	4-6	4-6	1500	1	4
13A	Tiree ...	1022·8	+16	N'W	5	c	54	85	8	8	-	-	7-8	7-8	1500	0	4
13B	Stornoway ...	1024·8	+42	N	3	ir	50	85	8	5	7	-	9	10	1500	1	4
15	Dalwhinnie ...	1020·6	+16	W	3	c	51	75	8	8	-	-	9+	9+	800	1	
	Aberdeen ...	1016·4	+18	NNW	5	c	54	85	8	8	-	-	9	9	2500	1	2
	Wick ...	1018·0	+44	NNW	5	cq	51	85	8	8	7	-	4-6	7-8	1500	1	2
16	Lerwick ...	1017·6	+32	N	5	c/pr	48	92	7	8	7	-	4-6	7-8	800	1	
17	Blacksod Point	1029·2	+10	WNW	3	c	56	97	7	4	6	-	4-6	7-8	800	0	3
18	Malin Head ...	1025·2	+18	NNW	6	pr	55	85	6	6	-	-	9	9	1500	0	4
	Aldergrove ...	1025·0	+14	WNW	4	c/d	54	85	8	5	3	-	7-8	9+	1200	1	*
19	Birr Castle ...	1028·3	+6	N	2	c	56	85	8	5	-	5	4-6	9	2500	0	*
20	Valentia Obsy.	1030·1	+6	N'W	4	bc/pr	58	97	8	8	5	9	2-3	4-6	1500	1	2
	Roches Point	1027·7	+10	NW	5	c	60	85	8	5	-	5	4-6	7-8	2500	0	2

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 28th (36)
1	London (Kew)	69	57	39	-	-	7·4
	Croydon ...						
	S. Farnborough	71	56	45	-	Tr	7·1
	Boscombe Down	70	57	53	-	-	6·5
	Calshot (Sthmtn.)						
	Lympne ...	(64)			-		
	Manston ...						
2	Shoeburyness ...	64	56	49	-	-	7·8
	Felixstowe ...	64	55	53	-	Tr	9·9
	Gorleston ...	61	53	47	-	-	10·5
	Mildenhall ...		53	46		-	8·8
	Cranwell ...	68	53	50	-	0·1	7·4
3	Birmingham ...	69	58	55	-	-	5·1
	Upper Heyford	71	58	48	-	-	
4	Ross-on-Wye	69	60	56	-	-	3·8
5	Hartland Point	67	60	57	-	Tr	2·1
	Bristol ...	72	59	54	-	Tr	5
	Portland Bill ...	65	57		-	-	
	Plymouth ...	68	61	57	Tr	-	6·3
	The Lizard ...	69	59		-	Tr	10·5
	Scilly (St. Mary's)	70	59		-	-	6·4
	Guernsey ...						
6	Pembroke ...	63	59		Tr	-	0·6
7	Holyhead ...	65	57	54	Tr	0·6	1·3
	Chester (Sealand)	68	58	53	-	0·1	2·7
8	Manchester ...	67	55	50	-	0·6	4·7
10	Spurn Head ...	65	55		-	2	6·7
	Catterick ...	68	54	47	-	0·5	9·5
	Tynemouth ...	57	53	48	-	0·6	*
11	St. Abbs Head	60	53		Tr	1	*
	Leuchars ...	61	51	46	7	1	1·0
12	Renfrew (Abbots I.)	62	53	50	4	0·5	4·3
	Eskdalemuir ...	59	51	49	0·2	2	6·6
	Point of Ayre ...	65	55		0·6	0·5	4·0
13A	Tiree ...	58	53			4	Tr 0·0
13B	Stornoway ...	56	49		5	1	0·2
15	Dalwhinnie ...	53	49	45	1	0·1	2·4
	Aberdeen ...	54	51	45	3	2	2·3
	Wick ...	53	50		7	2	
16	Lerwick ...	52	46		3	5	
17	Blacksod Point	62	55		0·5	0·5	
18	Malin Head ...	64	52		2	1	3·1
	Aldergrove ...	70	53	52	0·4	Tr	2·8
19	Birr Castle ...	69	55	54	0·2	0·5	0·6
20	Valentia Obsy.	64	58	56	Tr	0·6	0·1
	Roches Point	69	59		-	-	

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew ...	18	cmowc	dbcby	bcbcc	69	57	39	-	-	7·4	*	*	8
Croydon ...	217										*	*	7
Greenwich (Royal Observatory) ...	149	c	db⊕y	bcdc	71	55	40	-	Tr	7·1	40	63	7
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	70	56	48	-	-		60	69	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	70	56	46	-	-		43	64	*
Camden Square ...	110	bc	b	*	72	56	44	-	-	*	*	69	*
Kensington ...	80	bc	bc	*	71	56	46	-	-		40	57	*
Hampstead Observatory ...	450	bc	bc odbc		69	55	44	-	Tr		*	72	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 29th

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
<0·1	Whole period.		

FOREIGN OBSERVATIONS.

18h. G.M.T. 28th August

Stations	Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.
Paris ...					
Brussels ...					
Berlin ...					
Zürich ...					
Rome ...					

7h. G.M.T. 29th August

Stations	Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.
Paris ...					
Brussels ...					
Berlin ...					
Zürich ...					
Rome ...					

Past 24 Hours.

Stations	Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
Paris ...				
Brussels ...				
Berlin ...				
Zürich ...				
Rome ...				

‡ Maximum and Minimum Temperatures are for the 24 hours ending 6 h. § Sea disturbance reported from Dungeness.

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Preciptious.
4	Rough.	9	Confused.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

SECRET

Friday 30th August 1940.

No. 28771

OBSERVATIONS at 13h. G.M.T. 29th August

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force. 0–12 (4)	Weather. (5)	Temp. °F. (6)	Dew Point. °F. (7)	Visibility. 0–9 (8)	Cloud. Form. Low. (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	1022·5	+10	NW	4	c	67	45	8	8	-	-	9	9	2500
	Croydon	*	*	WNW	4	c	*	*	7	2	-	*	9	9	3500
	S. Farnborough	1022·8	+6	NW'W	5	bc	67	45	8	7	-	-	4-6	4-6	3900
	Boscombe Down	1023·1	+6	N'W	4	bc	68	45	8	1	-	6	1	4-6	3500
	Calshot (Soton.)	1022·2	+2	NNW	4	bc	71	55	8	1	-	6	1	4-6	4500
	Lympne	1021·1	+10	NNW	4	bc	69	45	8	1	-	-	4-6	4-6	3500
	Manston														
2	Shoeburyness	1021·4	+8	NNW	4	c	69	45	8	2	-	-	7-8	7-8	4000
	Felixstowe	1020·7	-8	NNW	4	c	64	55	8	7	-	-	9+	9+	2500
	Gorleston	1019·5	+10	NNW	5	c	60	75	7	5	-	-	9	9	2500
	Mildenhall	1020·7	+2	NW'N	5	c	66	45	8	8	-	-	9	9	3000
	Cranwell	1021·6	+8	N'W	4	c	67	55	7	7	-	-	7-8	7-8	3000
3	Birmingham	1024·2	+8	NW	4	bc	61	55	8	7	-	1	4-6	4-6	2500
	Upper Heyford	1022·9	+6	WNW	5	bc	65	55	7	-	-	-	4-6	4-6	2500
4	Ross-on-Wye	1023·9	+4	NW	4	bc	68	55	8	1	-	2	2-3	4-6	4000
5	Hartland Point	1026·8	+8	N	4	bc	61	65	8	4	4	3	4-6	4-6	1500
	Bristol	1024·5	+4	NW	4	c	69	55	9	1	4	4	1	9+	3500
	Portland Bill	1023·7	+6	W	3	bc	68	55	8	2	4	-	4-6	4-6	4000
	Plymouth	1025·8	+2	NW'N	4	c	61	75	8	1	3	6	1	7-8	2500
	The Lizard	1027·3	+4	NNW	4	bc	70	55	8	8	6	-	4-6	4-6	3000
	Scilly (St. Mary's)	1028·9	+10	NW'W	4	c	69	75	7	8	7	4	4-6	7-8	1200
	Guernsey														
6	Pembroke	1027·6	+2	N'W	5	bcq	65	65	8	5	7	-	1	2-3	2500
7	Holyhead	1026·5	+14	NW'N	5	c	61	55	8	7	4	2	7-8	9	3000
	Chester (Sealand)	1024·8	+14	NW'W	5	c/pr	59	75	8	5	-	-	9+	9+	2500
8	Manchester	1024·7	+24	WNW	4	c	62	65	8	8	-	-	7-8	9	2500
10	Spurn Head	1020·6	+18	NNW	5	c	63	65	7	5	-	-	9+	9+	2000
	Catterick	1022·2	+20	N'W	3	c	63	55	8	8	-	-	9	9	2500
	Tynemouth	1022·4	+20	N	6	c	56	55	8	2	4	-	4-6	7-8	3200
11	St. Abbs Head	1022·2	+34	N	7	bcq	55	65	7	5	3	-	2-3	4-6	2500
	Leuchars	1024·0	+34	NW	4	c	58	55	9	8	-	4	4-6	7-8	3500
12	Renfrew (Abbots I.)	1024·3	+14	WNW	4	c	64	55	9	8	-	1	7-8	7-8	4500
	Eskdalemuir	1022·3	+20	NNE	3	bc	62	65	8	7	4	-	4-6	4-6	1500
	Point of Ayre	1025·3	+16	N'W	5	c	60	55	8	8	-	-	9+	9+	2500
13A	Tiree	1026·8	+12	N	3	c	57	75	8	5	-	-	7-8	7-8	2500
13B	Stornoway	1027·1	+16	NE	2	c	54	65	8	5	-	-	9	9	1400
15	Dalwhinnie	1026·8	+18	N	3	c	52	55	8	8	4	-	7-8	9	1500
	Aberdeen	1023·8	+32	N	4	c/r	53	55	7	9	-	-	9+	9+	1500
	Wick	1024·6	+26	N	5	c	53	65	8	8	7	-	4-6	7-8	1500
16	Lerwick	1023·2	+22	N'W	5	c/pr	49	55	8	8	7	-	7-8	9	1500
17	Blacksod Point	10309	+4	NW	3	c	61	97	8	-	6	-	0	7-8	-
18	Malin Head	1028·1	+16	NW	4	id.	54	97	7	8	-	-	9	9	2500
	Aldergrove	1027·4	+10	WNW	4	c	59	65	9	5	-	-	9+	9+	2500
19	Birr Castle	1029·2	+2	N	3	b	67	55	8	-	-	-	0	0.	-
20	Valentia Obsy. †	1031·5	+6	NNW	4	b	63	55	8	1	-	7	Tr	1	2500
	Roches Point	1029·0	+2	N'W	4	b	68	65	8	-	4	-	0	1	-

OBSERVATIONS at 18h. G.M.T. 29th August

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Dew Point. °F. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0–10 (26)	Cloud. Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1024·2	+14	NW	3	b	65	55	7	7	-	-	1	1	4000	0	*
	Croydon	*	*	NW	2	bc	*	*	7	4	-	*	2-3	2-3	4000		*
	S. Farnborough	1024·7	+18	NW'W	3	b	65	55	8	-	-	1	0	Tr	-	0	*
	Boscombe Down	1024·9	+16	N	4	b	65	55	8	1	-	8	Tr	1	3500	0	*
	Calshot (Soton.)	1024·0	+14	N	5	bc	67	55	8	-	3	6	0	4-6	-	0	1
	Lympne																§
	Manston																*
2	Shoeburyness	1023·3	+14	N	3	c	63	55	8	4	4	-	4-6	7-8	4000	0	*
	Felixstowe	1023·4	+26	N	4	c	62	55	8	5	-	-	9+	9+	4500	0	2
	Gorleston	1022·7	+16	N'W	4	c	59	75	7	5	3	-	4-6	7-8	2500	0	2
	Mildenhall	1024·4	+28	N	4	c	59	75	9	8	6	6	4-6	9	2500	0	*
	Cranwell	1025·4	+26	N	4	c	58	65	8	8	6	1	7-8	9	2500	0	*
3	Birmingham	1025·9	+10	NW	4	bc	59	65	8	7	-	9	1	2-3	4000	0	*
	Upper Heyford	1024·9	+12	NNW	4	bc	61	65	6	1	7	6	Tr	7-8	2500	0	*
4	Ross-on-Wye	1026·1	+14	N'W	3	bc	63	55	8	4	-	5	4-6	4-6	4000	0	*
5	Hartland Point	1027·6	+2	N	3	bc	61	75	8	1	-	-	1	4-6	2500	0	3
	Bristol	1025·7	+2	N'W	3	bc	66	55	9	4	-	5	2-3	2-3	3500	0	*
	Portland Bill	1024·8	+12	NW	4	bc	65	55	8	5	-	-	4-6	4-6	4000	0	3
	Plymouth	1026·3	+6	N	4	c	64	55	8	-	-	8	0	7-8	-	0	2
	The Lizard	1028·1	+8	N'W	4	bc	62	65	8	7	3	-	2-3	4-6	3500	0	2
	Scilly (St. Mary's)	1029·1	0	N'W	4	bc	62	75	8	1	-	3	Tr	4-6	2200	0	1
	Guernsey																
6	Pembroke	1028·5	+2	N	3	bc	61	65	8	-	7	1	0	4-6	-	1	2
7	Holyhead	1028·1	+12	N	3	bc	57	55	8	8	3	-	4-6	4-6	3000	0	3
	Chester (Sealand)	1026·7	+10	NW'W	5	bc	59	71	8	8	-	1	2-3	4-6	2500	0	*
8	Manchester	1025·7	+14	W'N	4	c	60	75	7	8	-	-	7-8	7-8	2800	0	*
10	Spurn Head	1024·4	+14	NNW	6	cq	57	75	7	2	4	4	4-6	9	1600	0	5
	Catterick	1026·5	+26	NNE	4	bc	57	65	8	8	6	2	2-3	4-6	3000	0	*
	Tynemouth	1025·6	+20	N	6	bc	55	85	8	2	3	1	2-3	4-6	3200	0	3
11	St. Abbs Head	1026·7	+12	NNE	5	bc	53	75	9	4	4	9	4-6	4-6	2500	0	3
	Leuchars	1026·9	+16	NNE	2	c	56	65	8	5	4	-	7-8	9	3000	0	*
12	Renfrew (Abbots I.)	1027·0	+18	NE'N	1	c	60	55	9	4	3	-	9+	9+	4000	0	*
	Eskdalemuir	1027·1	+24	NE'N	3	bc	55	65	8	7	3	6	2-3	4-6	4000	0	*
	Point of Ayre	1027·5	+14	NNW	5	b	58	85	8	4	-	-	1	1	2500	0	3
13A	Tiree	1028·1	+4	NW'N	1	bc	56	75	8	1	3	2	2-3	4-6	3500	0	1
13B	Stornoway	1028·3	+6	NE	1	c	53	75	8	5	5	9	4-6	9+	1400	1	1
15	Dalwhinnie	1027·3	+16	N	1	c	52	65	8	2	4	-	7-8	7-8	2500	0	*
	Aberdeen	1026·8	+18	NW	3	c	53	65	8	8	7	9	1	7-8	2500	1	2
	Wick	1026·8	+12	NNW	5	c	50	65	8	5	7	2	4-6	9+	2500	1	2
16	Lerwick	1024·7	+6	N'W	4	c	49	75	8	8	7	-	4-6	7-8	1500	1	*
17	Blacksod Point	1030·4	-4	W'S	3	bc	59	97	8	5	6	-	2-3	4-6	4000	0	2
18	Malin Head	1028·9	+4	N'W	1	c	55	92	8	8	-	-	7-8	7-8	5700	0	3
	Aldergrove	1028·4	+6	NNW	2	c	57	75	9	5	-	-	9	9	2500	0	*
19	Birr Castle	1029·3	+2	N	1	b	67	55	8	-	-	-	0	0	-	0	*
20	Valentia Obsy. †	1031·5	+2	N'W	4	b	62	85	8	1	-	1	Tr	1	2500	0	2
	Roches Point	1029·3	+4	N'W	4	bc	67	75	8	-	-	5	0	2-3	-	0	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 29th (37)	Weather. 13h.—18h. 29th (38)	Weather. 18h. 29th to 1h. 30th (39)	Weather. 1h.—7h. 30th (40)
1	London (Kew)	ccy	cbcby	bbcycbc	bcmow
	Croydon				
	S. Farnborough	bcy	bccby	bycb	bmow
	Boscombe Down	bc	b	b	bWfq
	Calshot (Soton.)	cbcy	bcy	bcbmo	bwmo
	Lympne			b	
	Manston	cbcy			
2	Shoeburyness	cmobcy	cbcy	bc,b	b, bcw
	Felixstowe	bcycy	bcycy		bbcmow
	Gorleston	c	cq,	cpr,bcc	cbc
	Mildenhall	cbccy	cyc	c,b	bbcmow
	Cranwell	bccy	cyc	c,bwmo	bmo,cmo
3	Birmingham	bc	bc	bccb	b,cz
	Upper Heyford	cbcy	bc	ccmoc	bc
4	Ross-on-Wye	bbcy	bcy	bcbbcc	c
5	Hartland Point	cbc	bc	bcb	bbc
	Bristol	bccy	cbcby	b,c	cbccw
	Portland Bill	cbc	cbc	b	bc
	Plymouth	cdddddbcc	(cbcy) cbcy	cbcy, b	bbmo
	The Lizard	c	bc	bcbW	bbc
	Scilly (St. Mary's)				
	Guernsey				
6	Pembroke	bcq	bc	bcb	bcjf
7	Holyhead	bcc	cq,cbc	bcbbc	bcc
	Chester (Sealand)	prc	cbc	bcmobc	cbcwmo
8	Manchester	cpr	cbc	cbcmcmo	bcmcm
10	Spurn Head	c	cq,	bcc	bc
	Catterick	bcbbcc	cybc	bcmobc	bcmob
	Tynemouth	c	cbc	bc	bccm
11	St. Abbs Head	cq,	cq,	bcc	cbc
	Leuchars	bccbcy	bcyc	cbcbbcc	cbcc
12	Renfrew (Abbots I.)	bcb	bccy	cybcbc	bmocid
	Eskdalemuir	bcy	bcy	bc	bc
	Point of Ayre	bc	b	bcb	bbcc
13A	Tiree	c	bc	bcc	coD
13B	Stornoway	cir	c	b	crr
15	Dalwhinnie	circ	c		co
	Aberdeen	prrc	cjpbc	bcc	circ
	Wick	cpreq	cgc	c	repr
16	Lerwick	cpr	cpc	c	bbcc
17	Blacksod Point	c	bc	cbc	dd
18	Malin Head	cprcprcc	c	c	cidciD
	Aldergrove	cprc	c	cbc	bwcid
19	Birr Castle	cby	by	bbcc	c
20	Valentia Obsy. †	bcb	bbcb		cmo
	Roches Point	b	bc	b	bcwcw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29—STATE OF GROUND.

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

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

Abridged observations of additional stations in the

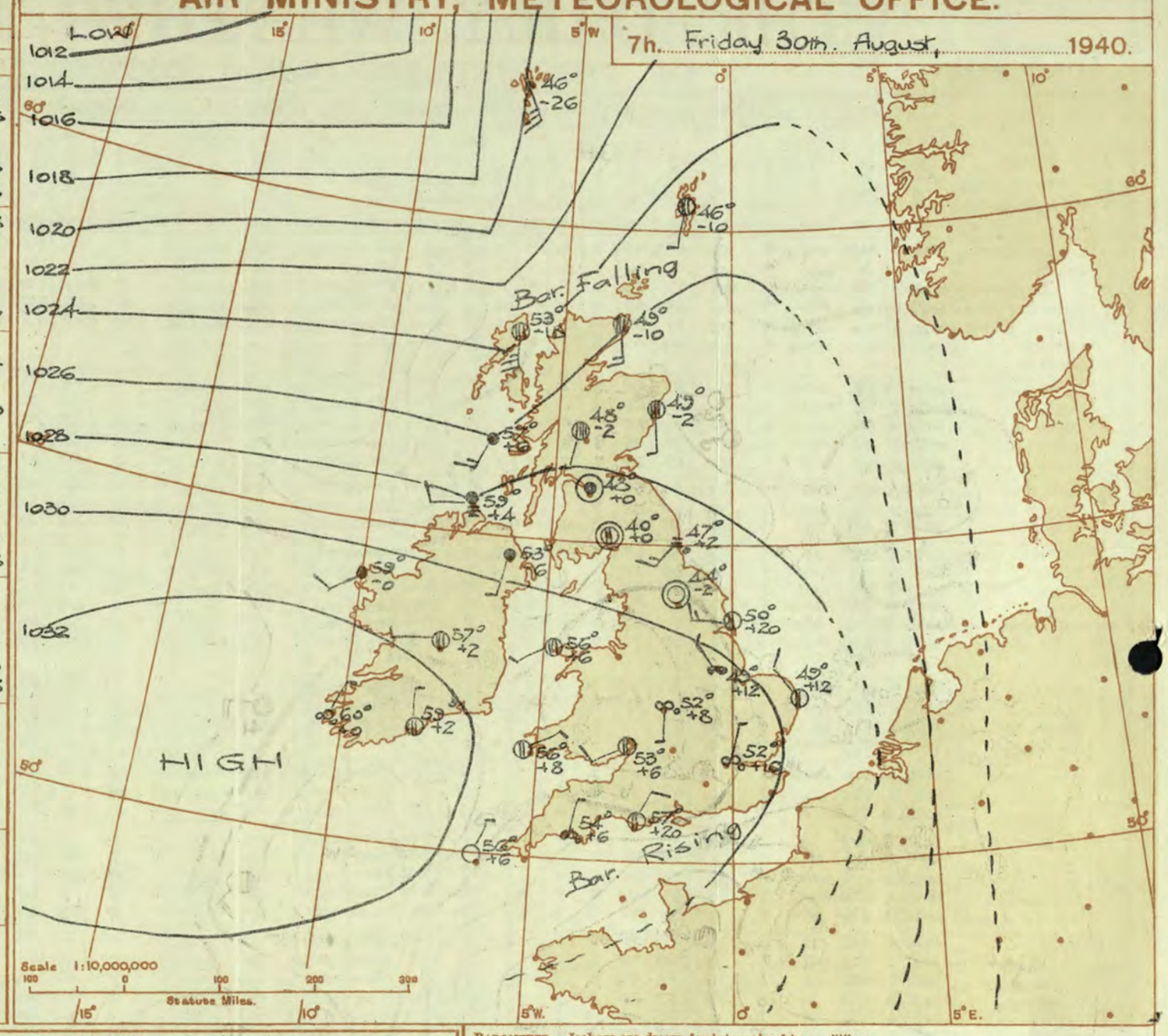
AVIATION WEATHER CODE

	13h. G.M.T. 29th August			18h. G.M.T.			01h. G.M.T. 30th August			07h. G.M.T.		
IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 80	02954	32584	43	02844	31416	51	02853	24227	52	62853	20168
115 71	02954	28325	71	02954	32226	72	02944	12227	52	61845	20368
203											
206 8-	02965	30285	8-	02966	02126	5-	01964	00024	5-	02968	00068
210 8-	81945	32425	53	02953	32326	5-	01965	00015	52	02865	16228
220 53	01854	27205							5-	58518	23258
230 70	00963	28413	70	01961	26313	03	00990	26212			
245 8-	01954	35584	43	01953	32485	51	01774	24226	53	02864	00023
260 80	01964	32214	76	01964	30215	50	01764	00014	5-	02877	20117
277 26	02954	62685	10	00952	28422	50	00853	29203	53	02877	00017
279											
285 2-	02847	25827	80	01844	04414				23	01745	28314
288 86	05644	30517	20	05663	01424	00	08490	24210	00	01890	16103
273 18	01753	30404							--	46109	25259
301 20	01754	62584	50	01764	30414	50	05554	00014	50	05564	08116
321 3-	02866	26426	8-	02865	32425	00	05690	28110	03	45390	00045
299 5-	02756	30416				5-	01753	32413	40	05642	26202
292 70	02966	29416	83	01864	32324	50	05661	26201	03	01790	00014
310	01644	26414		01645	26415				--	02638	26228
316 8-	02655	25315	86	02754	02316	5-	01664	04314	53	08472	00023
333 5-	02847	30527	86	02863	31425	04	00790	28201			
334	02857	30527		02856	31426				--	46109	28149
340 8-	02948	28528	80	01953	30313	5-	02756	28116	5-	02876	00016
136			56	02844	31526	8-	81746	28316	20	01752	28283
336	02853	28414		01852	28413				--	08433	32446
350			50	01764	28324	50	01764	32114			
368 10	01952	28315	14	01961	28213	00	00790	30100	50	01753	02103
379 70	02758	28425	10	00851	30302				04	05690	04102
390 5-	05658	28628							00	05690	32214
382 10	02856	61526	00	01790	30414	00	05690	00000	03	00790	31111
438 50	00761	28401							50	01763	02413
430 10	00861	65302	00	05690	32412	00	00790	32300	00	00790	00001
409 15	01844	32585	00	02890	32416	00	00790	02100	10	00842	00003

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

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Friday 30th. August, 1940.



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th August, 1940.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light or moderate west wind. Fair. Rather warm.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Moderate southwest wind veering west. Cloudy. Occasional slight rain. Local fog on west coasts. Rather warm.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Moderate or fresh southwest wind strong locally on coasts veering west. Cloudy, some rain. Bright intervals later. Local fog on west and north coasts today. Average temperature.
17 N. W. Ireland 18 N. E. Ireland	Light or moderate west wind. Cloudy. Local drizzle. Local coast fog. Rather warm.
19 S. E. Ireland	As 1 - 6.
20 S. W. Ireland	Light variable wind. Fair. Local coast fog. Rather warm.

GENERAL INFERENCE.

An anticyclone remains centred off south west Ireland and a depression centred over west Iceland is moving eastwards. Weather will be fair in the South and Midlands but there will be occasional rain in the North.

FURTHER OUTLOOK.

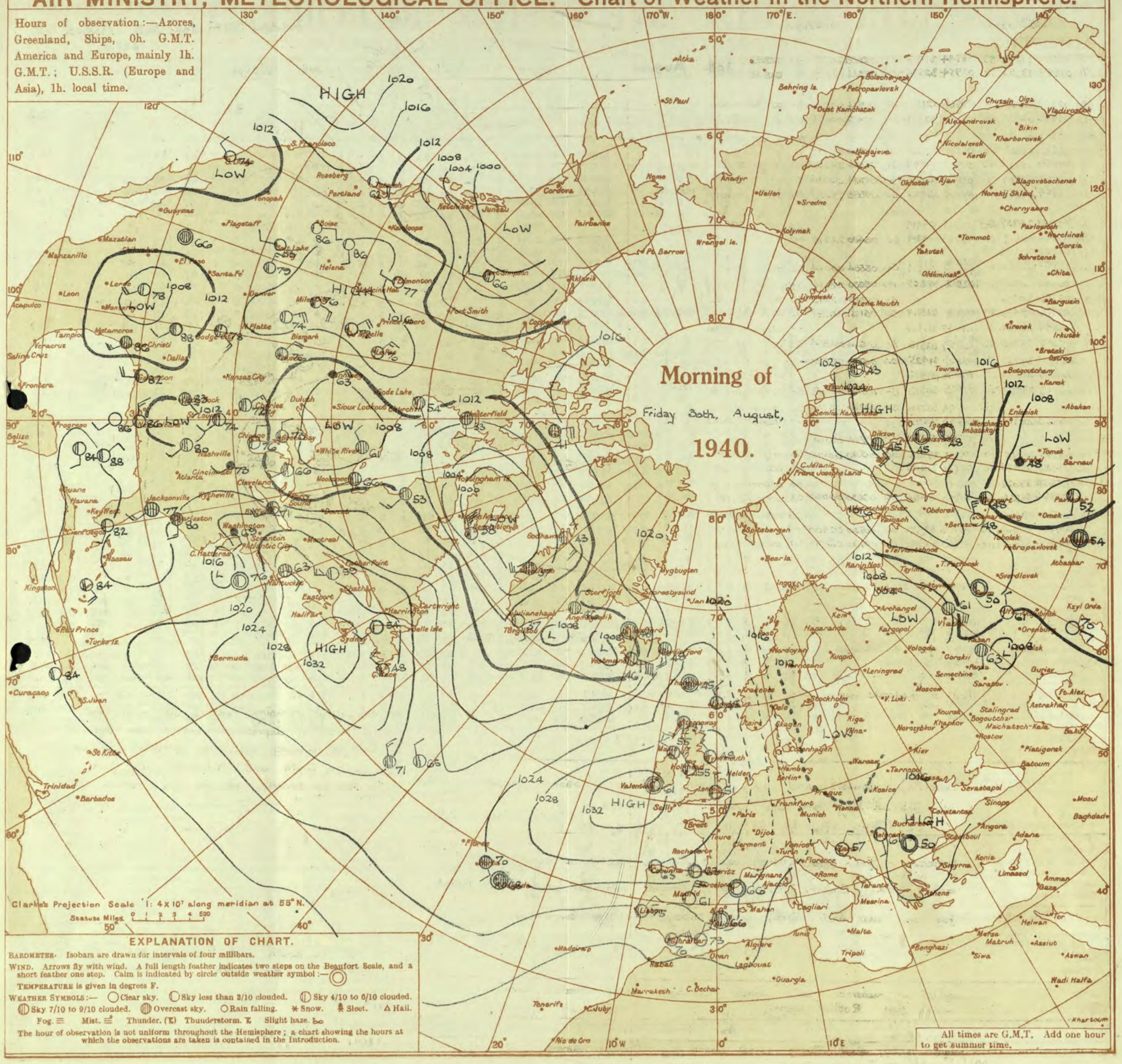
Fair in the south and Midlands. Rather unsettled in the North.

Forecasts issued at 10.30 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 30th August 1940.

No. 28771

OBSERVATIONS at 1 hr. G.M.T. 30th August

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	*	*	NNW	1	b	*	*	7	-	-	-	0	0	-
	S. Farnborough	226	1029·4	+18	N'E	1	2o	53	75	6	-	-	-	0	0	-
	Boscombe Down	417	1029·2	+14	N	2	b	50	92	8	-	-	-	0	0	-
	Calshot (Sthmtn.)	8	1028·5	+14	N	2	2o	55	85	6	-	-	-	0	0	-
	Lympne ...	346	1027·6	+6	WSW	2	b	51	85	8	-	-	-	0	0	-
	Manston ...	154														
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15														
	Gorleston ...	5	1026·8	+14	NW	2	c	53	85	7	8	-	-	7-8	7-8	1500
	Mildenhall ...	19	1028·5	+12	NW'N	3	b	47	92	7	5	-	-	Tr	Tr	3000
	Cranwell ...	240	1029·2	+8	NW'N	2	2o	47	92	6	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1029·5	+12	NNW	3	c	53	75	7	5	-	-	7-8	7-8	3000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1029·8	+4	N	3	b	58	85	8	-	-	-	0	0	-
	Bristol ...	209	1029·9	+22	-	0	2o	52	97	6	5	-	-	9+	9+	1600
	Portland Bill ...	32	1028·8	+8	NW	2	b	60	85	8	-	-	-	0	0	-
	Plymouth ...	82	1029·9	+6	N	2	b	57	75	7	-	-	-	0	0	-
	The Lizard ...	240	1030·2	+2	N'E	3	b	54	92	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1030·8	+2	N	1	b	57	97	7	-	-	-	0	0	-
	Guernsey ...	175														
6	Pembroke ...	142	1030·3	+4	N'W	2	b	55	92	8	-	-	-	0	0	-
7	Holyhead ...	26	1029·9	+2	N'W	3	bc	55	85	8	2	-	-	2-3	2-3	2200
	Chester (Sealand)	16	1029·3	+6	W	2	c	55	85	7	5	-	-	7-8	7-8	3500
8	Manchester ...	70	1029·3	+8	E'S	1	2o	52	85	6	5	-	-	4-6	4-6	2800
10	Spurn Head ...	29	1028·2	+6	NW'W	5	bc	51	92	7	3	4	-	2-3	4-6	4000
	Catterick ...	175	1030·1	+8	-	0	c	46	92	7	5	-	-	7-8	7-8	5000
	Tynemouth ...	108	1028·7	+6	NW	3	bc	48	92	6	-	3	-	0	2-3	-
11	St. Abbs Head	280	1028·5	+4	W	1	c	49	85	8	5	5	-	4-6	9	2500
	Leuchars ...	36	1028·6	0	-	0	c	50	85	7	5	-	-	9	9	1500
12	Renfrew (Abbots I.)	19	1028·8	+2	SW	1	2o	59	92	6	5	-	-	Tr	Tr	3500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1029·5	+2	NW'N	3	b	54	92	8	4	-	-	1	1	4000
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1027·4	-8	SSW	3	c	52	85	7	5	7	-	9	9+	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1027·8	-2	W	3	c	45	85	7	5	7	-	4-6	7-8	1500
16	Lerwick ...	156	1026·3	+4	NNW	3	c	45	85	8	5	7	-	4-6	7-8	1500
17	Blacksod Point	18	1030·7	+2	S	3	bc	59	97	7	3	-	-	4-6	4-6	800
18	Malin Head ...	84	1029·4	0	WNW	2	c	55	85	7	8	7	-	4-6	7-8	2500
	Aldergrove ...	268	1030·2	+2	-	0	bc	53	85	8	5	-	-	2-3	2-3	2000
19	Birr Castle ...	173														
20	Valentia Obsy.	30	1032·7	0	-	0	0	61	97	8	5	-	-	10	10	2500
	Roches Point	22	1031·8	+6	N'W	4	b	57	92	8	-	-	-	0	0	-

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
1	London (Kew)	1031·0	+10	NNE	1	2o	52	85	5	-	-	4	0	2-3	-	0	*
	Croydon ...	*	*	-	0	2o	*	*	6	-	-	*	0	1	-	*	*
	S. Farnborough	1031·8	+20	-	0	2o	44	97	6	-	-	1	0	Tr	-	0	*
	Boscombe Down	1031·7	+16	N	1	2o	46	97	6	-	3	-	0	1	-	0	*
	Calshot (Sthmtn.)	1030·9	+18	NNE	2	2o	52	85	6	-	4	-	0	1	-	0	1
	Lympne ...	1029·7	+10	N'W	2	bc	50	92	8	-	-	8	0	4-6	-	*	*
	Manston ...	*	*	NNW	3	bc	*	*	7	1	-	*	2-3	4-6	1000	*	*
2	Shoeburyness ...	1030·2	+16	SW'W	2	bc	51	85	7	-	3	1	0	2-3	-	0	*
	Felixstowe ...	1030·0	+16	NW'N	3	c	50	92	7	5	-	2	1	7-8	5000	0	1
	Gorleston ...	1028·8	+12	NW	2	bc	49	85	7	8	5	-	4-6	4-6	2200	0	1
	Mildenhall ...	1030·2	+14	WNW	2	2o	45	97	5	1	-	6	Tr	4-6	2500	0	*
	Cranwell ...	1030·7	+12	NNW	1	2o	49	85	6	5	4	8	1	9	4000	0	*
3	Birmingham ...	1030·5	+8	S	1	2o	52	85	5	5	-	-	10	10	1500	0	*
	Upper Heyford	1031·2	+14	-	0	c	49	92	8	5	-	-	9	9	4000	0	*
4	Ross-on-Wye	1030·5	+6	SW'W	2	bc	53	85	8	5	-	1	4-6	4-6	4000	0	*
5	Hartland Point	1030·8	+8	NNE	2	bc	57	85	8	2	-	2	2-3	4-6	1500	0	2
	Bristol ...	1031·6	+14	-	0	c	51	97	7	5	3	-	4-6	7-8	3500	0	*
	Portland Bill ...	1030·5	+20	NE	2	bc	57	85	8	5	-	-	2-3	2-3	2500	0	2
	Plymouth ...	1031·0	+6	N'E	1	2o	54	85	7	5	-	1	Tr	Tr	3000	0	0
	The Lizard ...	1031·1	+8	N	2	bc	56	92	8	4	-	-	2-3	2-3	3000	0	1
	Scilly (St. Mary's)	1031·2	+6	NE	1	b	56	92	7	-	-	-	0	0	-	0	0
	Guernsey ...																
6	Pembroke ...	1031·4	+8	ENE	1	bcjf	56	97	7	-	7	-	0	2-3	-	0	1
7	Holyhead ...	1030·6	+6	SW	1	c	56	92	8	7	3	5	7-8	9	2500	0	1
	Chester (Sealand)	1030·2	+2	W'N	3	bc	54	85	7	8	3	1	2-3	4-6	3000	0	*
8	Manchester ...	1030·2	+6	SSE	1	2o	52	85	5	5	3	-	4-6	9	3000	0	*
10	Spurn Head ...	1030·2	+20	W'N	3	bc	50	85	7	-	-	3	0	2-3	-	0	2
	Catterick ...	1030·1	-2	-	0	b	44	92	8	5	-	1	Tr	1	6000	0	*
	Tynemouth ...	1029·0	+2	SW	3	m	47	85	4	8	-	-	9	9	3600	0	1
11	St. Abbs Head	1028·3	-2	N	2	bc	51	75	8	5	3	1	2-3	4-6	2500	0	2
	Leuchars ...	1027·7	-4	W	1	c	48	92	7	5	7	-	9+	10	3500	0	*
12	Renfrew (Abbots I.)	1028·8	0	-	0	id.	48	97	7	5	7	-	9	9+	2500	0	*
	Eskdalemuir ...	1029·5	0	-	0	bc	40	92	8	-	7	1	0	4-6	-	1	
	Point of Ayre ...	1029·8	+2	W'N	3	c	56	92	8	1	4	5	1	7-8	2500	0	2
13A	Tiree ...	1026·1	+6	SW'S	3	dd	57	97	4	5	-	-	10	10	300	1	3
13B	Stornoway ...	1024·1	-18	S	5	c/r	53	97	7	5	2	-	9+	10	1500	1	3
15	Dalwhinnie ...	1028·2	-2	SSW	1	0	48	85	7	5	-	-	10	10	1500	1	*
	Aberdeen ...	1027·6	-2	S'E	1	c	49	85	6	-	7	-	0	10	-	1	1
	Wick ...	1026·0	-10	S	3	c/pr	49	85	8	5	7	8	7-8	9+	1500	1	1
16	Lerwick ...	1025·6	-10	SSW	1	c	46	85	8	5	7	-	7-8	9+	1500	0	*
17	Blacksod Point	1030·4	0	SW	2	d.d.	59	97	6	6	-	-	10	10	<150	1	2
18	Malin Head ...	1028·2	+4	W	2	df	59	97	2	3	-	-	10	10	800	0	2
	Aldergrove ...	1029·7	-6	SSW	1	id	53	92	5	-	2	-	10	10	300	0	*
19	Birr Castle ...	1031·3	+2	W	1	c	57	97	8	5	1	-	7-8	10	2500	0	*
20	Valentia Obsy.	1032·1	0	NNE	1	2o	60	97	6	5	-	-	9+	9+	1500	0	1
	Roches Point	1032·0	+2	N	1	c	59	97	8	5	-	-	7-8	7-8	1500	0	0

PAST 24 HOURS.

District	Stations	Temperature Max. Day 7h–18h °F. (31)	Temperature Min. Night 18h–7h °F (32)	Temperature Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 29th hrs. (36)
1	London (Kew)	67	48	32	-	-	9·8
	Croydon ...	*	*	*	*	*	*
	S. Farnborough	69	40	33	-	-	10·0
	Boscombe Down	69	43	40	-	-	11·3
	Calshot (Sthmtn.)	71	49	44	-	-	11·1
	Lympne ...	*	*	*	*	*	*
	Manston ...	*	*	*	*	*	*
2	Shoeburyness ...	70	45	34	-	-	8·1
	Felixstowe ...	65	47	45	-	-	6·6
	Gorleston ...	64	47	42	-	Tr	4·3
	Mildenhall ...	67	40	34	-	Tr	6·1
	Cranwell ...	67	44	40	-	-	7·6
3	Birmingham ...	63	49	34	-	-	4·1
	Upper Heyford	66	47	38	-	-	*
4	Ross-on-Wye	69	51	42	-	-	11·7
5	Hartland Point	62	57	53	-	-	9·3
	Bristol ...	71	47	37	-	-	10·0
	Portland Bill ...	68	56	*	-	-	*
	Plymouth ...	68	51	41	Tr	-	9·7
	The Lizard ...	71	53	*	Tr	-	8·6
	Scilly (St. Mary's)	69	54	*	-	-	7·0
	Guernsey ...						
6	Pembroke ...	65	53	*	-	-	11·5
7	Holyhead ...	62	53	49	-	-	8·0
	Chester (Sealand)	61	48	41	Tr	-	2·6
8	Manchester ...	64	47	40	Tr	-	6·3
10	Spurn Head ...	63	49	*	-	-	6·5
	Catterick ...	64	41	34	-	-	9·2
	Tynemouth ...	61	46	43	-	-	*
11	St. Abbs Head	55	47	*	-	-	*
	Leuchars ...	61	45	36	-	-	6·1
12	Renfrew (Abbots I.)	65	41	36	-	Tr	8·1
	Eskdalemuir ...	63	36	30	-	-	10·5
	Point of Ayre ...	63	53	*	-	-	10·4
13A	Tiree ...	58	54	*	-	0·5	4·0
13B	Stornoway ...	57	51	*	Tr	1	2·4
15	Dalwhinnie ...	55	39	34	0·2	-	1·7
	Aberdeen ...	55	46	41	0·5	0·1	4·4
	Wick ...	55	44	*	Tr	0·3	*
16	Lerwick ...	53	44	*	1	-	4·0
17	Blacksod Point	62	56	*	-	1	*
18	Malin Head ...	57	51	*	0·1	0·6	0·9
	Aldergrove ...	60	47	44	Tr	Tr	1·1
19	Birr Castle ...	70	53	48	-	-	10·5
20	Valentia Obsy.	64	59	57	-	Tr	9·8
	Roches Point	70	56	*	-	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet	Weather Morning (24 hrs. ended 9h.)	Weather Afternoon (24 hrs. ended 9h.)	Weather Night (24 hrs. ended 9h.)	Temperature Day Max. °F.	Temperature Night Min. °F.	Temperature Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
KEW ...	18	ccy	cbcby	bccymW	67	48	32	-	-	9·8	*	*	7
CROYDON ...	217										*	*	6
GREENWICH (Royal Observatory) ...	149	czcy	bcy	cb	68	48	37	-	-	6·8	47	59	6
CITY (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	70	51	46	-	-	8·0	61	70	*
REGENTS PK. (Botanic Gardens)‡ ...	168	*	*	*	69	46	41	-	-		60	71	*
CAMDEN SQUARE ...	110	bc	bc	*	69	49	40	-	-	*	*	69	*
KENSINGTON ...	80	bc	bc	*	70	49	42	-	-		53	61	*
HAMPSTEAD OBSERVATORY ...	450	bc	bc	bc	67	46	41	-	-		*	76	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 30th

SOUTH KENSINGTON. Max.	Time.	Min.	Time.

KEW OBSERVATORY. Max.	Time.	Min.	Time.
<0·1	Whole	period.	

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 29th August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. 30th August Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Rainfall Night mm.
PARIS ...														
BRUSSELS ...														
BERLIN ...														
ZÜRICH ...														
ROME ...														

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

	Objects not visible at
0 Dense fog	55 yards.
1 Thick fog	220 „
2 Fog	550 „
3 Moderate fog	1,100 „
4 Mist or haze	1½ miles.
5 Poor visibility	2½ „
6 Moderate „	6½ „
7 Good „	12½ „
8 Very good „	31 „
9 Excellent „	beyond 31m.

COLUMN 30 — Code for State of Sea.

0 Calm.	5 Very rough.
1 Smooth.	6 High.
2 Slight.	7 Very high.
3 Moderate.	8 Preciptious.
4 Rough.	9 Confused.

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION SECRET

Saturday 31st August 1940.

No. 28772

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	Visibility 0–9 (8)	Cloud Form Low (9)	Cloud Form Med. (10)	Cloud Form High (11)	Cloud Amount Low 0–10 (12)	Cloud Amount Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1031·3	-2	N'E	2	bc	65	45	7	1	-	2	1	4-6	4000
	Croydon	*	*	N	2	bc	*	*	7	1	-	*	1	4-6	3000
	S. Farnborough	1030·9	-6	SW	2	c	69	45	8	7	-	1	7-8	7-8	3500
	Boscombe Down	1031·2	-4	WNW	2	z_o	67	45	7	1	-	1	4-6	4-6	3000
	Calshot (Soton.)	1031·3	-2	SSW	2	bc	69	55	7	1	-	1	2-3	2-3	5000
	Lympne	1030·7	+8	N'E	2	c	63	45	9	1	-	1	7-8	7-8	4000
	Manston	*	*	NNW	3	bc	*	*	8	1	-	*	2-3	4-6	1800
2	Shoeburyness	1030·2	+2	SE	2	bc	61	65	8	2	-	2	4-6	4-6	5700
	Felixstowe	1030·8	+2	NW	2	c	64	45	8	1	6	6	7-8	7-8	4000
	Gorleston	1030·1	+6	NNE	4	c	58	65	7	7	5	-	4-6	7-8	2500
	Mildenhall	1030·8	0	NW'N	3	bc	62	55	8	7	-	1	2-3	4-6	3500
	Cranwell	1030·3	-8	W	2	bc	65	55	7	1	-	-	4-6	4-6	2500
3	Birmingham	1030·7	-2	WNW	2	bc	65	55	8	7	-	-	4-6	4-6	4000
	Upper Heyford	1030·9	-2	WNW	2	c	68	55	7	7	-	-	7-8	7-8	2500
4	Ross-on-Wye	1030·6	0	W	3	b	69	55	7	1	-	-	1	1	4000
5	Hartland Point	1032·2	+4	NNE	2	b	62	65	8	1	-	-	1	1	3500
	Bristol	1031·5	-2	WNW	1	bc	67	65	8	1	-	-	2-3	2-3	3500
	Portland Bill	1031·5	+6	SE	2	b	64	65	8	-	-	-	0	0	-
	Plymouth	1031·7	+2	SSW	3	z_o	63	75	7	1	-	-	1	1	3500
	The Lizard	1031·8	+6	E'S	2	bc	67	75	8	2	-	-	2-3	2-3	3000
	Scilly (St. Mary's)	1032·3	+6	NE'N	2	bc	68	65	8	1	-	3	Tr	2-3	2400
	Guernsey														
6	Pembroke	1032·2	0	SW'W	3	bc	62	75	8	1	-	-	2-3	2-3	4000
7	Holyhead	1031·6	+4	WSW	3	c	63	75	8	7	-	-	9+	9+	2500
	Chester (Sealand)	1030·8	+2	NW	3	bc	64	65	8	1	3	-	1	2-3	3500
8	Manchester	1030·7	0	W'N	3	bc	65	55	8	7	3	-	2-3	4-6	4000
10	Spurn Head	1029·8	-2	E'S	2	c	60	65	7	5	-	-	10	10	4000
	Catterick	1028·8	-6	NW	2	bc	69	55	8	8	4	1	4-6	4-6	3000
	Tynemouth	1028·1	-6	NW	3	bc	64	65	7	2	3	-	4-6	4-6	3400
11	St. Abbs Head	1027·3	-6	W	2	c	60	75	9	5	7	-	7-8	9+	4000
	Leuchars	1025·8	-14	SSW	4	c/pr	63	65	8	7	7	9	4-6	9+	3200
12	Renfrew (Abbots I.)	1028·4	-4	SW'W	3	c/d	58	85	6	5	2	-	9+	10	900
	Eskdalemuir	1029·1	0	SW'W	3	d_od_o	55	85	7	5	-	-	10	10	1500
	Point of Ayre	1030·4	0	NW'W	4	c	66	75	8	5	4	-	4-6	9+	1500
13A	Tiree	1026·8	+4	WSW	4	o	60	92	7	5	-	-	10	10	800
13B	Stornoway	1023·0	-4	SW	5	c/r	62	92	7	5	2	-	9	10	1000
15	Dalwhinnie	1025·7	-12	SW	3	c	60	85	7	2	3	-	2-3	9	1500
	Aberdeen	1024·4	-20	S'W	3	ir	53	85	6	-	2	-	9+	9+	4000
	Wick	1021·7	-28	SW	4	c/r	52	97	7	5	2	-	7-8	10	1500
16	Lerwick	1022·5	-26	S	4	rr	46	85	7	6	2	-	4-6	10	800
17	Blacksod Point	1031·3	+6	WSW	3	dm	62	97	4	6	-	-	10	10	<150
18	Malin Head	1030·1	0	W	5	c	62	85	7	8	-	-	7-8	7-8	1500
	Aldergrove	1030·0	-2	WSW	4	c	68	75	8	7	-	-	9	9	3000
19	Birr Castle	1031·8	+2	W	1	c	72	65	8	4	-	-	7-8	7-8	2500
20	Valentia Obsy. †	1032·5	-2	W'N	3	c	63	92	8	5	-	-	9	9	2500
	Roches Point	1032·4	0	SW	1	bc	67	75	8	1	-	-	2-3	2-3	4000

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud Form Low (23)	Cloud Form Med. (24)	Cloud Form High (25)	Cloud Amount Low 0–10 (26)	Cloud Amount Total 0–10 (27)	Height of Base (feet) (28)	State of Ground 0–9 (29)	Sea 0–9 (30)
London (Kew)	1030·2	-4	N	1	b	68	45	8	1	-	1	Tr	1	4000	0	*
Croydon																*
S. Farnborough	1030·1	-4	NNW	1	b	69	45	8	-	-	1	0	Tr	-	0	*
Boscombe Down	1030·0	-6	NW'N	2	b	67	55	7	-	-	1	0	1	-	0	*
Calshot (Soton.)	1030·2	-6	WSW	4	bc	63	65	8	-	-	1	0	2-3	-	0	1
Lympne	*	*	SSW	1	bc	57	65	8	4	-	1	2-3	2-3	5700	0	§2
Manston																*
Shoeburyness	1030·4	-2	SE	3	bc	62	65	8	-	4	1	0	2-3	-	0	*
Felixstowe	1030·3	+2	SE'S	2	bc	61	65	8	-	4	6	0	4-6	-	0	1
Gorleston	1029·8	-6	SE	2	bc	58	75	7	-	3	-	0	4-6	-	0	2
Mildenhall	1029·3	-10	S	1	b	66	45	7	-	-	1	0	Tr	-	0	*
Cranwell	1029·0	-6	WNW	3	z_o	66	65	6	-	-	2	0	4-6	-	0	*
Birmingham	1029·9	-4	NNW	2	b	66	55	8	-	-	-	0	0	-	0	*
Upper Heyford	1029·7	-4	WNW	2	b	69	55	7	-	-	-	0	0	-	0	*
Ross-on-Wye	1029·6	-4	NW'W	2	bc	72	55	8	-	-	1	0	Tr	-	0	*
Hartland Point	1031·3	-4	NNW	2	b	61	75	8	-	-	-	0	0	-	0	!
Bristol	1030·6	-2	W	1	b	66	65	8	-	-	1	0	Tr	-	0	*
Portland Bill																
Plymouth	1031·2	-2	SSW	2	b	62	75	7	-	-	-	0	0	-	0	1
The Lizard	1031·3	0	-	0	bc	66	65	8	4	-	-	2-3	2-3	3000	0	1
Scilly (St. Mary's)	1032·0	-2	NNE	2	b	63	75	8	-	-	-	0	0	-	0	1
Guernsey																
Pembroke	1031·7	-6	NW'W	2	bc	61	85	8	1	-	-	2-3	2-3	4000	0	1
Holyhead	1030·8	-8	SSW	3	b	61	85	8	5	-	-	Tr	Tr	5700	0	1
Chester (Sealand)	1030·4	-2	NW'N	4	b	64	75	8	5	-	-	1	1	5000	0	*
Manchester	1030·4	-2	WNW	2	c	61	85	7	5	-	-	4-6	7-8	3200	0	*
Spurn Head	1029·8	-8	W	3	bc	63	75	6	-	-	5	0	4-6	-	0	1
Catterick	1028·0	-2	NW	2	bc	64	75	8	1	-	8	1	4-6	4500	0	*
Tynemouth	1027·1	-4	W	4	z_o	63	85	6	2	4	1	2-3	2-3	2600	0	1
St. Abbs Head	1024·4	-10	WNW	5	bc	63	75	8	2	5	1	2-3	4-6	4000	0	3
Leuchars	1024·6	-2	SW	5	bc	66	75	8	7	4	9	Tr	2-3	2200	0	*
Renfrew (Abbots I.)	1027·7	-2	W	3	c/d	61	85	7	5	-	9	9	9	1200	1	*
Eskdalemuir	1028·0	-2	SW'W	3	c/d	57	97	6	5	-	-	10	10	800	1	*
Point of Ayre	1029·4	-4	W	3	c	65	85	8	5	-	-	9+	9+	2500	0	2
Tiree	1026·3	-2			e	58	97	7	5	-	-	9+		1200	1	4
Stornoway	1021·9	-2	SW	6	c	61	85	7	5	7	-	9	9+	1000	1	3
Dalwhinnie	1024·1	0	SW	3	c	58	85	7	5	-	-	9+	9+	1500	0	*
Aberdeen	1021·8	-4	WNW	3	bc	69	65	8	-	4	9	0	2-3	-	0	1
Wick	1019·8	-4	W	4	bc	64	75	8	8	7	1	2-3	4-6	1500	1	3
Lerwick	1015·2	-32	S	6	rr	53	97	6	6	2	-	7-8	10	450	1	*
Blacksod Point	1030·1	+6	SW	3	bc	61	85	8	3	-	-	4-6	4-6	[illegible]00	0	3
Malin Head	1028·5	-2	W	3	c	59	92	8	4	6	-	4-6	7-8	5700	0	2
Aldergrove	1029·3	-2	WSW	2	c	65	85	8	5	-	-	10	10	2500	0	*
Birr Castle	1030·9	-2	WSW	1	bc	68	75	8	-	4	-	0	2-3	-	0	*
Valentia Obsy. †	1031·6	-6	W'S	2	fs	61	92	8	5	-	-	10	10	2500	0	1
Roches Point	1031·5	-6	SW	3	bc	66	85	8	1	4	-	1	2-3	4000	0	2

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 30th (37)	13h.—18h. 30th (38)	18h. 30th to 1h. 31st (39)	1h.—7h. 31st (40)
London (Kew)	bcbcy	bcby	bybm$_o$w	bm$_o$w
Croydon			b	
S. Farnborough	bmobcy	bcby	bym$_o$w	bwbc
Boscombe Down	bmobc	bcyb	b	bfF
Calshot (Soton.)	bbc	bcy	bbwm$_o$	bwm$_o$fq
Lympne	bcy	cbcy	bby	
Manston	bc		b	
Shoeburyness	bc	bc	bc	bm$_o$w
Felixstowe	bc	bcycyc	bcbbm$_o$	bm$_o$bcm$_o$
Gorleston	c	cbc	bcb	bz$_o$
Mildenhall	bcm$_o$wbcbcy	bcby	byz$_o$bm$_o$	
Cranwell	bbcy	bcybcz$_o$	bczbm$_o$	bm$_o$
Birmingham	cbc	bcb	bbc	bcb
Upper Heyford	c		byb	bbm$_o$bcm$_o$
Ross-on-Wye	bbcb	by	byb	bwbcm$_o$
Hartland Point	c	bcb	b	b
Bristol	bc	bcb	bwm$_o$	
Portland Bill	bcb		bcb	bcbc
Plymouth	bzob	bzob	bm$_o$w	bm$_o$w
The Lizard	bc	bbc	bcb	bcb
Scilly (St. Mary's)	bcc	bcb	b	bw
Guernsey				
Pembroke	bc	bc	bbc	bccw
Holyhead	cbcc	cb	bw	bwbc
Chester (Sealand)	bc	b	bwbc	bcbm$_o$m
Manchester	cm$_o$bccbc	bccbc	bccm$_o$bmw	cm$_o$, bm$_o$
Spurn Head	c	bc	bw	bcw
Catterick	bcy	cybc	bcb	bbc
Tynemouth	cmcbc	bc	bc	bccbc
St. Abbs Head	cbcc	bc	bcq	bcq
Leuchars	ccprc	bc	bcbbc	bcbbcm$_o$c
Renfrew (Abbots I.)	cmoid$_o$	cmocid$_o$	c	c
Eskdalemuir	bccvdd$_o$	cid$_o$o		
Point of Ayre	bcc	c	cc	ff
Tiree	odf	oid	cod	odrc
Stornoway	cir	pr$_o$	cpr$_o$	
Dalwhinnie	cbcc	cprc		
Aberdeen	ccir	ir$_o$,b	b	bwbcc
Wick	rrmoc	cbc	cbc	bccq
Lerwick	crr	crr	crd$_o$ir	coir
Blacksod Point	df	bc	id	id
Malin Head	c	c	c	c
Aldergrove	idd$_o$d$_o$mc	c	c	c
Birr Castle	c	bc	bbcc	cbc
Valentia Obsy. †	cmocp	cifbbccfg	cfgcmbcbw	bwb
Roches Point	cbc	bcc	bw	ffe

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 9, 23.—FORM OF LOW CLOUD.

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

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.
Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9 +" signifies an overcast sky with a few small openings.

§ Sea disturbance reported from Dungeness.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

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

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

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

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

COLUMN 29.—STATE OF GROUND.

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

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

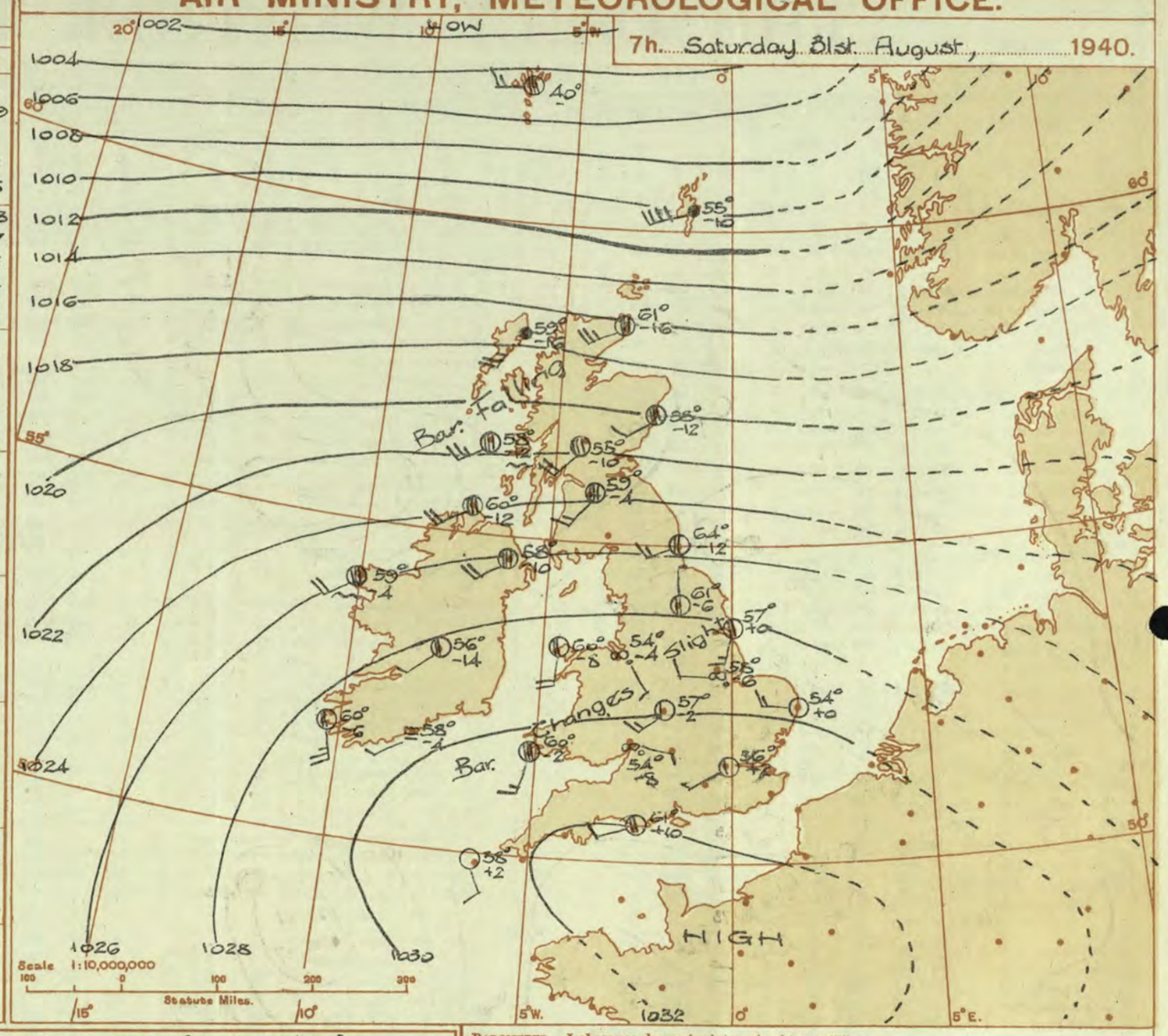
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday 31st August 1940.

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 30th August			18h. G.M.T.			01h. G.M.T. 31st August			07h. G.M.T.		
III	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	62	69527	16568	6-	53526	56656	5-	02724	55724	5-	56538	22468
115	2-	67109	20569		67109	20569	--	67109	20569	--	67109	53669
203												
206				53	01964	23525	5-	01955	00025	57	02964	20226
210				5-	00963	22413	5-	01964	19414	54	02965	26826
220	52	03725	24328	5-	21628	24358				5-	54518	24458
230							5-	31638	21468	5-	02747	53457
245	57	53955	20356	54	02963	22428	53	01883	20204	77	02953	20226
260	5-	02748	20328	5-	02747	22327				57	02854	20416
277				5-	02848	28228	5-	05657	25227	5-	02748	19228
279												
285	23	01744	24417	20	02636	24616				5-	02536	22516
288	74	01863	22314	74	01861	23324	00	00790	00010			
273	46	09644	28218							46	10543	19455
301	73	02866	26317	51	51743	26328	5-	05558	24218	53	05562	22213
321	10	05664	20114	03	05690	26314	07	05690	26202	07	05590	20101
299	50	02746	18216				50	00741	22201	70	08444	00014
292	13	01772	22213	40	00871	24313	50	01753	24313	53	01852	20113
310		01643	26313							--	01642	24212
316	50	05654	20214	43	01761	22212	00	05590	20100	07	05590	16112
333	5-	02857	20317	40	00852	24102	00	00790	00000	53	01834	16225
334		02856	26426		01852	32302				--	01871	24401
340	10	05663	28213	50	00862	32202				03	00790	16213
136	15	02852	25315	00	05790	16112				50	05562	21202
336		01851	32412		00890	28410				--	01852	16414
350	10	01754	23114	00	00790	00000				50	00663	16203
368	10	00861	20311	04	00890	24301	50	05661	00001			
379	10	01754	26314	00	00790	26101	00	05690	00000	03	05690	28314
390	53	01763	30315	04	05690	27102				03	08490	20201
382	10	01864	31214	00	01890	28102	00	05690	00000	50	48462	00042
438	60	01853	18413							80	01753	24413
430	10	01764	16314				00	05690	00000	03	41530	00044
409	14	00851	31312	00	00890	32300	00	00690	00000	00	05790	16200

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



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.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 31st August
1 S.E. England	Light variable winds; fine, local fog around dawn; average temperature.
2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light westerly winds; fine, local mist or fog around dawn; average temperature.
5 S.W. England 6 South Wales ...	Light to moderate southwest to south wind; fine, local coast fog later; average temperature.
7 North Wales ... 8 N.W. England	Moderate southwest wind; fair, local coast fog; average temperature.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light or moderate west to southwest wind; fair, average temperature.
12 S.W. Scotland & Isle of Man.	As 7-8
13 A. W. Scotld. B. N.W. Scotland.	Fresh or strong southwest wind; cloudy, with occasional rain or drizzle. Local hill fog, average temperature.
14 Mid Scotland 15 N. E. Scotland	
16 Orkneys and Shetlands	Westerly wind strong to gale, moderating; cloudy with occasional rain or showers; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate southwest to south wind; cloudy, local coast fog and drizzle in West and South; average temperature.

GENERAL INFERENCE.

An anticyclone over Southern England and a depression near Iceland are both moving eastward. Weather will be fair over most of the country but in Northern Scotland it will be cloudy with occasional rain or showers. Temperatures will be about normal in all districts.

FURTHER OUTLOOK.

Fine and warm in the South; unsettled in the North.

Gale warning issued at 1530 on 30.8.40 in Orkneys and Shetlands area.

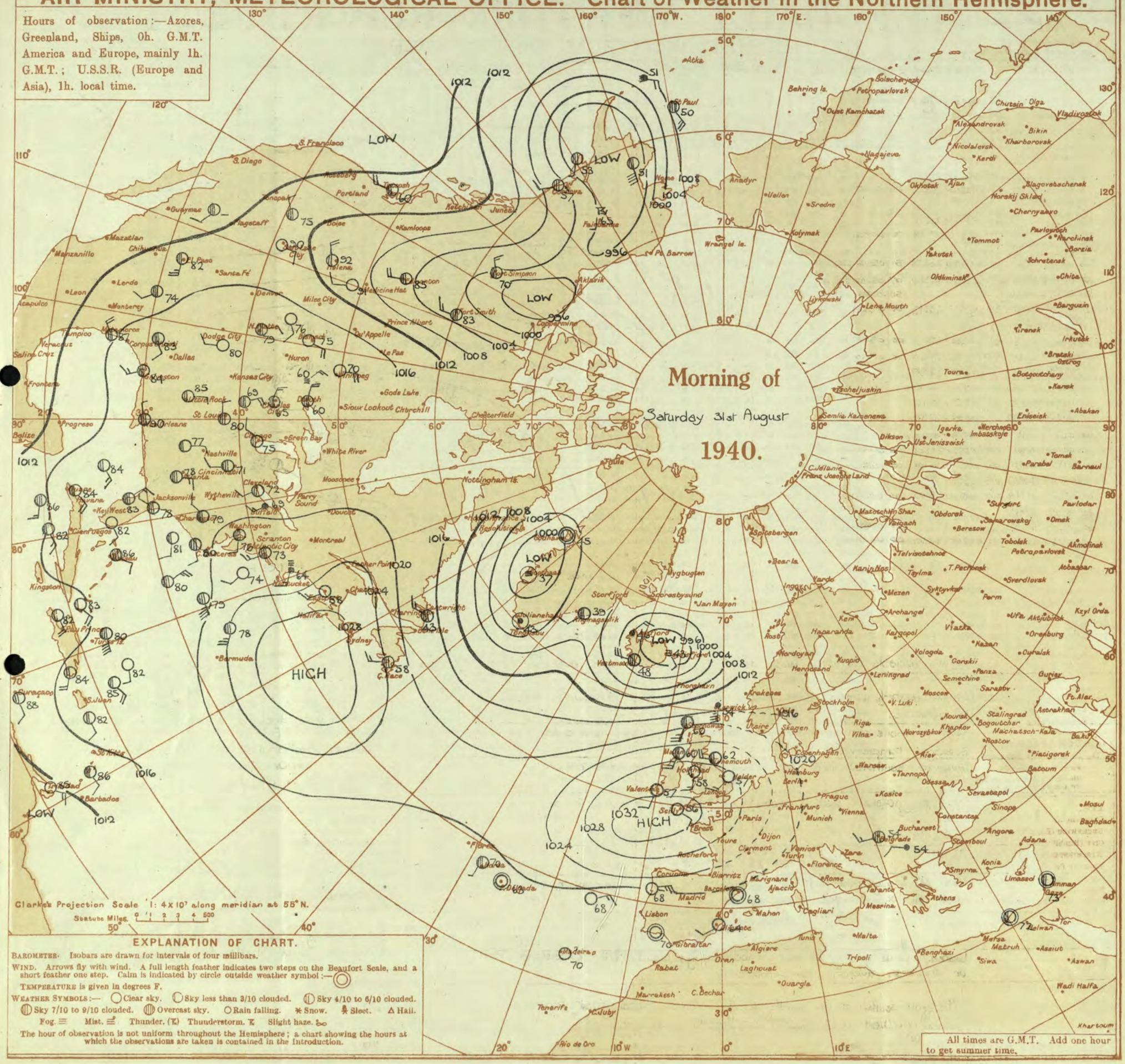
Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.

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

Hours of observation :—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 31st August 1940.

No 28772

OBSERVATIONS at 1 hr. G.M.T. 31st August

District	Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low. (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	*	*	SSW	2	Z_o	*	*	5	-	-	-	0	0	-
	S. Farnborough	226	10 32.1	+6	-	0	Z_o	47	92	6	-	-	-	0	0	-
	Boscombe Down	417	10 32.0	+4	NW	1	b	55	92	7	-	-	-	0	0	-
	Calshot (Sthmtn.)	8	10 31.5	+2	W	1	Z_o	53	97	6	-	-	-	0	0	-
	Lympne ...	346	10 33.7	-2	W'S	2	b	54	85	7	-	-	-	0	0	-
	Manston ...	154	*	*	SW	3	Z_o	*	*	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	10 30.6	-2	W'S	2	Z_o	55	85	6	-	-	-	0	0	-
	Gorleston ...	5	10 29.3	-4	W'S	2	b	43	85	6	-	-	-	0	0	-
	Mildenhall ...	19	10 30.2	0	SW'W	3	Z_o	52	85	6	-	-	-	0	0	-
	Cranwell ...	240	10 29.9	-4	W	2	Z_o	55	92	5	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	10 31.0	+2	WNW	1	b	56	85	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	10 31.8	-2	SW	2	b	58	92	8	-	-	-	0	0	-
	Bristol ...	209	10 32.0	+4	-	0	Z_o	53	97	5	-	-	-	0	0	-
	Portland Bill ...	32	10 32.1	+10	W	1	b	59	85	8	-	-	-	0	0	-
	Plymouth ...	82	10 32.5	+2	ENE	1	Z_o	53	92	6	-	-	-	0	0	-
	The Lizard ...	240	10 32.3	0	E'N	2	b	56	92	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	10 32.4	+2	E'S	2	b	56	92	7	-	-	-	0	0	-
	Guernsey ...	175														
6	Pembroke ...	142	10 32.2	0	W	1	bc	58	92	8	1	-	-	2-3	2-3	4000
7	Holyhead ...	26	10 30.4	-6	S'W	3	b	58	97	8	1	-	-	Tr	Tr	4000
	Chester (Sealand)	16	10 30.6	-2	SE	1	bc	53	97	8	5	3	-	2-3	2-3	4800
8	Manchester ...	70	10 30.3	-6	S	2	m	57	97	4	-	-	-	0	0	-
10	Spurn Head ...	29	10 28.7	0	SW'W	3	b	57	92	6	-	-	-	0	0	-
	Catterick ...	175	10 27.9	-8	SW	1	b	62	85	7	5	-	-	Tr	Tr	2500
	Tynemouth ...	108	10 26.9	+2	W	4	bc	62	85	6	2	-	-	2-3	2-3	2600
11	St. Abbs Head	280	10 24.5	-8	WNW	5	bcq	60	85	8	4	2	-	4-6	4-6	4000
	Leuchars ...	36	10 23.8	-10	W	3	bc	59	85	7	5	3	-	2-3	2-3	3500
12	Renfrew (Abbotsl.)	19	10 26.7	-12	W'S	4	Z_o	60	85	6	5	-	-	10	10	2800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	10 29.0	-4	W'S	4	c	62	85	8	5	-	-	9+	9+	2500
13A	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	10 20.6	-16	SSW	3	c	60	92	7	5	7	-	9	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	10 19.0	-12	WSW	4	bc	54	85	7	5	4	-	4-6	4-6	1500
16	Lerwick ...	156	10 13.6	-10	S	7	ir	54	97	6	5	2	-	7-8	10	450
17	Blacksod Point	18	10 28.3	-8	ESE	4	id_o	59	97	7	6	-	-	10	10	800
18	Malin Head ...	84	10 27.3	-8	SSW	3	c	60	85	7	8	-	-	7-8	7-8	4000
	Aldergrove ...	268	10 28.8	-6	SW'S	3	c	60	92	7	5	-	-	9+	9+	1700
19	Birr Castle ...	173	10 30.0	-2	N	1	c	59	92	8	5	-	-	10	10	1500
20	Valentia Obsy.	30	10 30.8	-6	S'W	1	b	57	97	8	-	-	-	0	0	-
	Roches Point	22	10 31.4	-2	S	1	b	57	97	8	-	-	-	0	0	-

OBSERVATIONS at 7 hr. G.M.T. 31st August

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	10 31.4	+2	SW	1	Z_o	56	85	6	5	3	-	Tr	1	4000	0	*
	Croydon ...																*
	S. Farnborough	10 31.6	+2	-	0	bc jf	48	97	6	5	-	1	Tr	4-6	5000	0	*
	Boscombe Down	10 31.8	0	-	0	bcf -	48	97	6	5	3	-	1	2-3	3000	0	*
	Calshot (Sthmtn.)	10 31.7	+6	NNW	1	Z_o	53	97	5	-	3	2	0	4-6	-	0	0
	Lympne ...																*
	Manston ...																*
2	Shoeburyness ...	10 31.0	+4	SW'W	3	b	57	85	5	-	8	1	0	1	-	0	*
	Felixstowe ...	10 30.6	+6	NW	3	Z_o	55	85	6	7	8	-	Tr	2-3	4000	0	1
	Gorleston ...	10 29.3	0	W	3	b	54	92	6	-	-	-	0	0	-	0	1
	Mildenhall ...																*
	Cranwell ...	10 29.0	-6	W	2	Z_o	58	85	6	5	4	1	Tr	1	7200	0	*
3	Birmingham ...	10 29.9	-2	SW	3	b	57	92	8	-	3	-	0	1	-	0	*
	Upper Heyford	10 30.5	-8	SW	2	Z_o	54	97	6	-	3	-	0	2-3	-	0	*
4	Ross-on-Wye	10 30.1	-8	ESE	1	Z_o	54	85	6	5	-	-	2-3	2-3	4000	0	*
5	Hartland Point	10 31.0	-4	S	2	b	57	85	8	1	-	-	Tr	Tr	4000	0	1
	Bristol ...																*
	Portland Bill ...	10 31.7	+10	WSW	2	bc	61	85	8	5	-	-	2-3	2-3	4000	0	2
	Plymouth ...	10 32.3	+6	ENE	1	Z_o	52	92	6	-	-	-	0	0	-	0	1
	The Lizard ...	10 31.9	+6	SSE	2	b	58	97	8	-	-	-	0	0	-	0	1
	Scilly (St. Mary's)	10 31.5	+2	SSE	2	b	58	92	7	-	-	-	0	0	-	0	1
	Guernsey ...																
6	Pembroke ...	10 30.9	-2	SSW	3	c	60	97	7	8	6	-	4-6	7-8	2500	0	1
7	Holyhead ...	10 28.2	-8	S'W	4	bc	60	97	8	5	-	1	2-3	2-3	600	0	2
	Chester (Sealand)	10 29.0	-4	SE	1	Z_o	54	92	6	-	3	1	0	1	-	0	*
8	Manchester ...	10 29.4	0	SSE	2	Z_o	56	92	5	-	8	-	0	2-3	-	0	*
10	Spurn Head ...	10 28.0	0	SSW	3	p	57	92	6	-	6	-	0	4-6	-	1	2
	Catterick ...	10 26.6	-6	N	1	bc	61	85	8	5	8	2	1	4-6	4000	0	*
	Tynemouth ...	10 25.2	-12	WSW	3	bc	64	75	7	2	3	1	2-3	4-6	3600	0	1
11	St. Abbs Head	10 23.0	-6	WNW	4	bc	62	75	8	4	7	9	2-3	4-6	4000	0	3
	Leuchars ...	10 21.8	-10	SW	4	c	60	85	7	5	7	-	4-6	9	2800	0	*
12	Renfrew (Abbotsl.)	10 24.9	-4	SSW	3	c	59	85	8	5	7	-	7-8	9+	1800	0	*
	Eskdalemuir ...																*
	Point of Ayre ...	10 27.0	-10	W'N	4	f	58	97	3	-	-	-	10	10	150	0	2
13A	Tiree ...	10 21.0	-12	SW	5	c	58	92	7	5	-	-	9+	9+	1500	0	4
13B	Stornoway ...	10 17.5	-16	SSW	5	r_o	59	97	7	5	2	-	7-8	10	1500	1	3
15	Dalwhinnie ...	10 21.6	-10	SSW	4	c	55	85	7	4	5	-	2-3	9	800	1	*
	Aberdeen ...	10 19.3	-12	SW	2	o	58	85	8	5	7	-	Tr	9+	4000	0	1
	Wick ...	10 15.5	-16	SW	5	c q	61	85	8	5	7	9	2-3	9+	4000	1	3
16	Lerwick ...	10 09.8	-10	WSW	8	ir	55	97	6	5	-	-	10	10	450	1	*
17	Blacksod Point	10 25.4	-4	SW	4	c	59	92	7	5	-	-	10	10	800	0	4
18	Malin Head ...	10 24.2	-12	SW	4	c	60	85	8	8	-	-	7-8	7-8	2500	0	2
	Aldergrove ...	10 26.2	-10	SW	4	c	58	97	8	5	-	-	10	10	700	0	*
19	Birr Castle ...	10 28.1	-14	SW	1	bc	56	97	8	5	-	-	2-3	2-3	2500	0	*
20	Valentia Obsy.	10 28.8	-6	S'E	5	b	60	92	8	5	-	-	2-3	2-3	4000	0	2
	Roches Point	10 29.6	-4	SW	1	f	58	97	2	5	-	-	10	10	150	0	1

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Night 18h–7h mm. (35)	Sunshine 30th Hrs. (36)
1	London (Kew)	68	50	39	-	-	11.7
	Croydon ...	71	44	38	-	-	12.0
	S. Farnborough	70	46	43	-	-	10.8
	Boscombe Down	70	50	45	-	-	12.0
	Calshot (Sthmtn.)	65			-		
	Lympne ...						
	Manston ...						
2	Shoeburyness ...	64	53	47	-	-	11.4
	Felixstowe ...	68	52	49	-	-	8.2
	Gorleston ...	62	51	46	-	-	8.4
	Mildenhall ...	68			-		
	Cranwell ...	69	54	51	-	-	11.3
3	Birmingham ...	70	51	42	-	-	6.4
	Upper Heyford	70	49	41	-	-	*
4	Ross-on-Wye	73	49	44	-	-	11.2
5	Hartland Point	64	55	50	-	-	10.0
	Bristol ...	70			-		
	Portland Bill ...	66	58	*	-	-	*
	Plymouth ...	66	49	46	-	-	11.7
	The Lizard ...	68	55	*	-	-	12.1
	Scilly (St. Mary's)	69	55	*	-	-	12.1
	Guernsey ...						
6	Pembroke ...	65	55	*	-	-	*
7	Holyhead ...	63	57	56	-	-	5.3
	Chester (Sealand)	66	51	45	-	-	11.2
8	Manchester ...	66	55	48	-	-	8.9
10	Spurn Head ...	65	55	*	-	Tr	8.6
	Catterick ...	70	60	52	-	-	8.7
	Tynemouth ...	65	61	54	-	-	*
11	St. Abbs Head	66	56	*	Tr	-	*
	Leuchars ...	67	58	54	Tr	-	5.7
12	Renfrew (Abbotsl.)	65	59	56	Tr	-	0.1
	Eskdalemuir ...	57			0.1		
	Point of Ayre ...	68	57	*	-	-	1.3
13A	Tiree ...	61	57	*	0.2	1	0.3
13B	Stornoway ...	61	58	*	0.6	0.6	0.0
15	Dalwhinnie ...	63	55	50	0.1	0.3	4.2
	Aberdeen ...	72	55	49	0.1	-	4.6
	Wick ...	66	57	*	4	-	*
16	Lerwick ...	52	53	*	10	1	0.0
17	Blacksod Point	64	57	*	0.2	Tr	*
18	Malin Head ...	62	56	*	0.2	Tr	1.7
	Aldergrove ...	69	57	57	0.2	-	0.5
19	Birr Castle ...	74	56	53	-	-	6.3
20	Valentia Obsy.	65	56	48	Tr	Tr	3.0
	Roches Point	69	57	*	-	0.1	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Night Min. °F.	Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine, to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew ...	18	bcbcy	bcby	bybm$_o$w	68	50	39	-	-	11.7	*	*	6
Croydon ...	217	*	*	b	*	*	*	*	*	*	*	*	*
Greenwich (Royal Observatory) ...	149	by	by	b	70	50	41	-	-	11.6	41	57	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	72	52	47	—			57	71	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	70	52	47	-	-		52	73	*
Camden Square ...	110	bc	bc	*	72	53	47	-	-	*	*	73	*
Kensington ...	80	bc	bc	*	72	52	48	-	-		*	*	*
Hampstead Observatory ...	450	bc	bc	bc	69	51	45	-	-		*	77	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 31st

South Kensington. Max.	Time.	Min.	Time.

Kew Observatory. Max.	Time.	Min.	Time.
<0.1	Whole Period.		

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 30th August Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 31st August Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris ...														
Brussels ...														
Berlin ...														
Zürich ...														
Rome ...														

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

EXPLANATION OF FIGURES, LETTERS, etc.

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

COLUMNS 4, 18.
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.	Beaufort No.	Statute m/h.
0	1	4	13–18	9	47–54
1	1–3	5	19–24	10	55–63
2	4–7	6	25–31	11	64–75
3	8–12	7	32–38	12	75
		8	39–46		

COLUMNS 34, 35.
Tr. = rain has fallen, but amount less than 0·1 mm.

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

0	Calm.	5	Very rough.
1	Smooth.	6	High.
2	Slight.	7	Very high.
3	Moderate.	8	Preciptious.
4	Rough.	9	Confused.

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