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THE DAILY WEATHER REPORT

BRITISH SECTION

1st April to 30th June

1941

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

INTRODUCTION

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

NOTES REGARDING THE BRITISH SECTION.*

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

(*a*) On pp. 1 and 4 two tables of observations taken generally at 13h. and 18h. G.M.T. of " yesterday," and at 1h. and 7h. G.M.T. of " to-day " from about 45 stations in the British Isles, which regularly report to the Meteorological Office, and of the weather in the intervening intervals. These observations are telegraphed in a figure and letter code. The stations are arranged according to Forecast Districts as described at the foot of p. 2 of the report, and also on p. 4 of this Introduction. Whenever it is possible to do so without occupying too much space, the decoded values are set out in full in the table ; in other cases, code figures are entered ; these are interpreted by reference first to the number printed at the head of the column, and then to the Explanation printed at the foot of pp. 1 and 4, where the column numbers are shown in connexion with each of the separate classes of observation.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

THE INTERNATIONAL AND UPPER AIR SECTIONS.*

The other two sections of the Daily Weather Report are Royal quarto in size

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

(*a*) Two weather maps (Scale 1 : 20,000,000) for Europe, the Mediterranean and Eastern Atlantic for 18h. yesterday and 7h. to-day.

(*b*) Two inset maps (Scale 1 : 20,000,000) for Northwest Europe for 13h. yesterday and 1h. to-day.

(*c*) Table of meteorological observations taken at about 80 stations, mostly on the Continent of Europe (not for the British Isles).

(*d*) Table of meteorological observations received by Wireless Telegraphy from Ships on the Northern Atlantic.

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

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

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

THE BEAUFORT SCALE OF WIND FORCE

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

GALE WARNINGS *

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

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

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

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

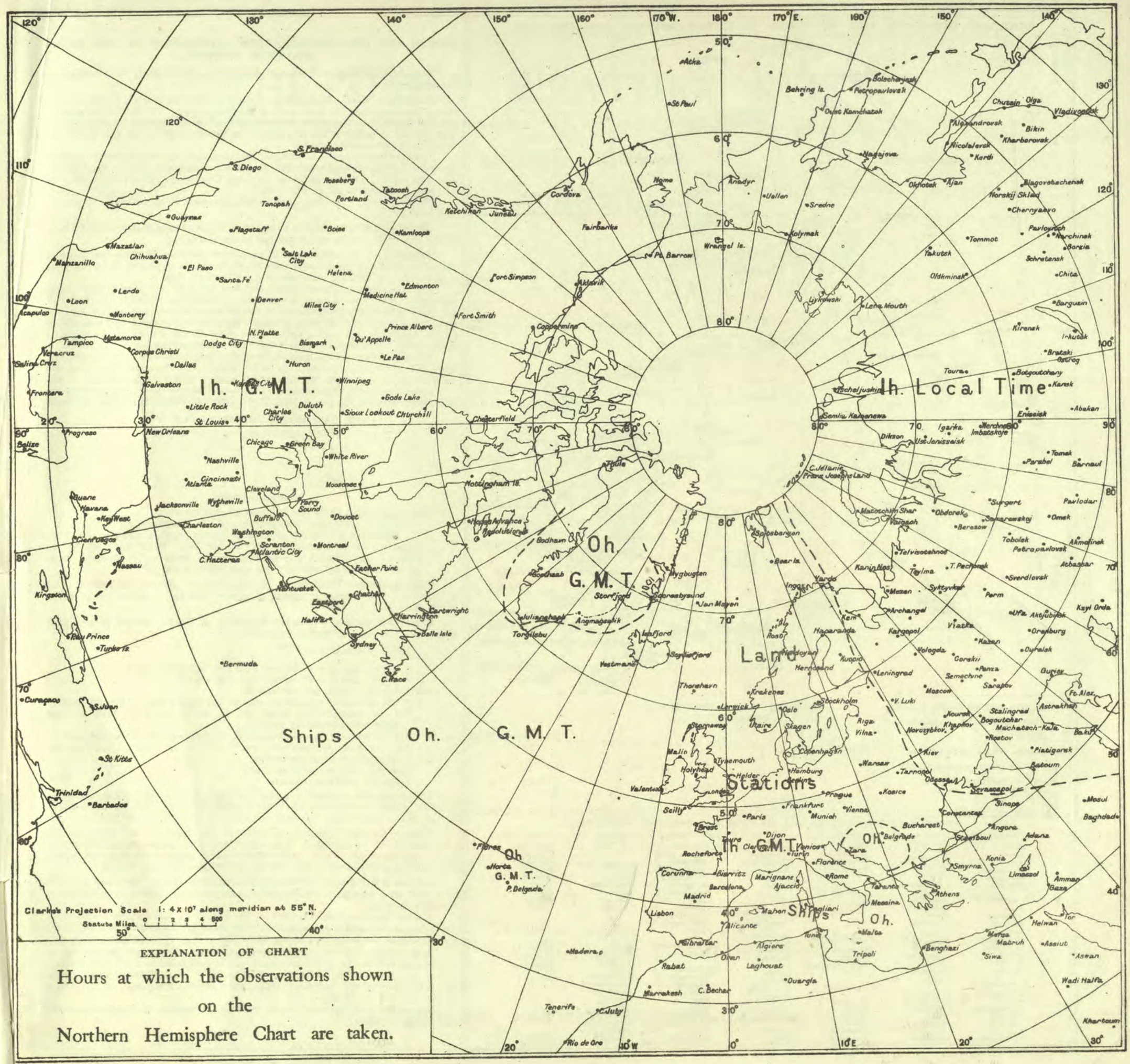
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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

▲ North Cone hoisted : ▼ South Cone hoisted :

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

* 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.

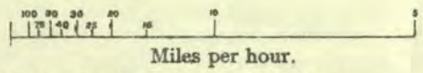
The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the 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, M.O., Dunstable.

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY SUPPLEMENT, No. 1.

DUPLICATE June 1941 No. 294

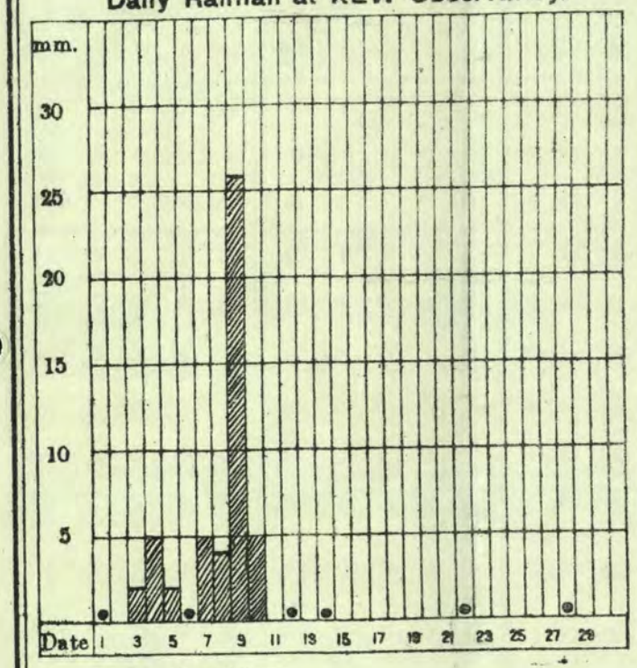
Dry; cold at first: unusually warm latter part of month.

During the first four days, an anticyclone centred to the south of Iceland covered the British Isles, accompanied by mainly cool northeasterly winds. On the 5th the anticyclone moved northwards and a belt of low pressure with several vigorous centres became established over the Central Atlantic and extended across the British Isles where some heavy rainfalls occurred in the Southwest. By the 9th, one of these centres had moved southeast to the Bay of Biscay and later moved east to Europe, followed by a wedge of high pressure extending southwards from Iceland. This caused unusually cool northerly winds on the 11th. The Azores anticyclone now affected the Southern districts, while low pressure systems near Iceland gave rise to rather unsettled weather in the North up to the 19th. With the highest pressure becoming established to the East and shallow depressions moving north off the Southwest coasts, very warm conditions prevailed and some very high maxima occurred, 95°F being reported from Huntingdon on 22nd, —this figure is the highest recorded in June,— while several places recorded values closely approaching the high records of June 1917, and on the nights of 20th, 21st and 22nd the minima were outstandingly high in many places. Some heavy thunderstorms occurred during this period; a very heavy fall of rain occurred in the Newcastle area on 22nd, 113 mm being recorded.

With the extension of a depression on the Atlantic and the advent of southwesterly winds on the 24th, temperature fell gradually, though still remaining rather high in the South. From 26th an anticyclone extended from the southwest over the British Isles.

Rainfall was generally deficient, a new low record being established at Aldergrove and by the end of the month an absolute drought prevailed in many places in the Southern half of England.

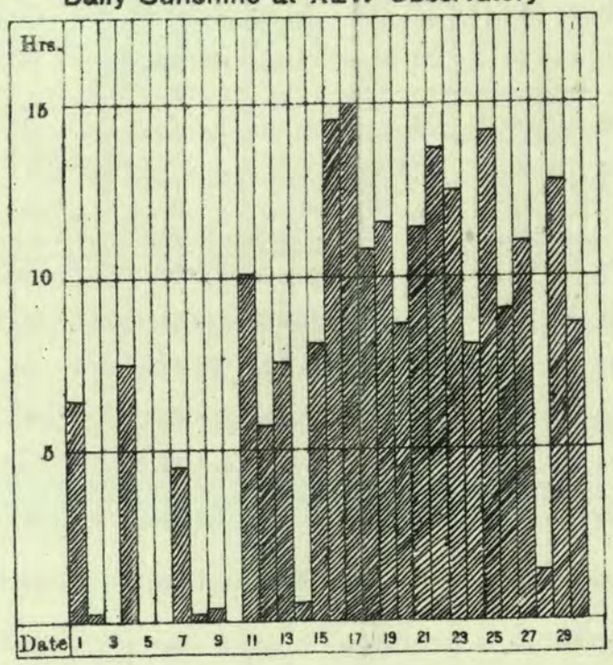
Daily Rainfall at KEW Observatory.



● = Less than 0·5 mm.

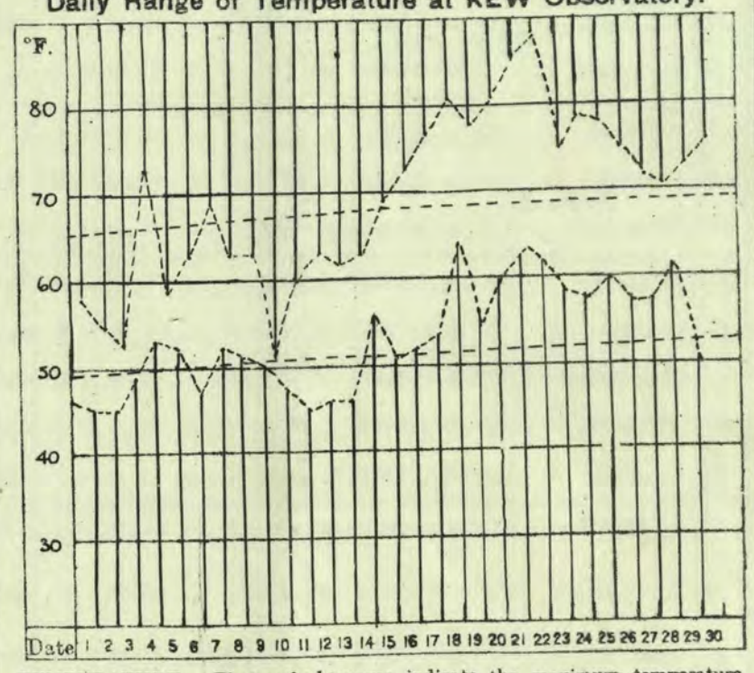
RAINFALL. Total for Month. 49 mm.

Daily Sunshine at KEW Observatory



SUNSHINE. Total for Month. 215 hrs.

Daily Range of Temperature at KEW Observatory.



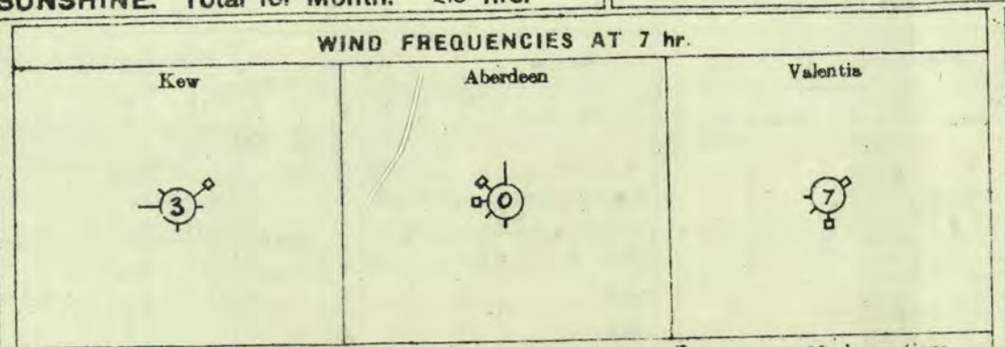
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE Mean	PRESSURE Difference from average	TEMPERATURE Mean	TEMPERATURE Difference from average
	mb.	mb.	°F.	°F.
Kew	1016·5	−0·2	61·5	+1·6
Aberdeen	1013·6	−2·1	54·0	+0·8
Valentia	1017·5	+0·8	57·3	+0·8

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

WIND FREQUENCIES AT 7 hr.



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

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

	miles.
Kew ...	5164
Aberdeen ...	4960
Lerwick ...	12418
Valentia ...	

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District.	Stations.	† Temperature. Number of daily readings within fixed limits. Maximum. 42° - 50°	51° - 59°	60° - 68°	69° - 77°	78° - 86°	87° or Above	Average Maximum.	Minimum. 24° - 32°	33° - 41°	42° - 50°	51° - 59°	60° - 68	69° - 77°	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.																					
1	London ... (Kew Obsy).	0	5	7	11	6	1	68·0	0	0	11	13	6	0	51·9	87	22	51	10	63	22	45	12	0	0	23	0	1	27	0	1	24	0	0	0	1	3	6	0	0	0	0	18
	Croydon ...	0	5	7	10	6	2	67·4	0	0	13	16	1	0	50·3	89	22	51	3, 10	60	23	42	13	0	8	10	1	2	24	0	2	20	2	0	1	1	1	15	0	0	0	3	24
	Thorney Island ...	0	5	11	11	3	0	65·4	0	0	15	13	2	0	52·0	82	22	53	3	65	22	44	1	0	6	13	1	4	21	1	5	15	0	0	0	1	1	20	0	0	0	0	25
	Lympne ...	0	7	11	10	2	0	63·7	0	2	14	12	2	0	49·2	83	22	51	3	65	22	41	13, 14	0	8	10	2	5	16	0	7	10	0	0	0	3	3	15	0	0	1	0	23
2	Shoeburyness ...	0	8	9	10	3	0	66·6	0	0	11	17	2	0	49·7	82	25	53	1, 2, 3, 10.	63	23	44	7, 13	0	4	14	1	1	18	1	2	15	0	0	0	1	2	7	0	0	0	0	14
	Gorleston ...	1	14	10	4	1	0	62·6	0	0	11	19	0	0	51·1	80	23	50	1	59	23	43	11	0	8	13	0	2	21	0	3	15	0	0	3	0	0	8	0	0	0	1	13
	Cranwell ...	0	8	7	11	3	1	66·0	0	2	14	13	1	0	47·8	90	22	51	10	63	23	38	12	0	9	11	0	2	21	4	0	23	2	0	0	0	2	13	0	0	0	0	26
3	Birmingham ... (Edgbaston)	1	5	10	10	4	0	64·9	0	2	10	16	2	0	49·5	87	22	50	2	65	22	39	11	0	8	14	0	5	23	0	2	25	0	0	0	5	4	7	0	0	0	0	20
4	Ross-on-Wye ...	0	6	9	11	3	1	67·0	0	0	14	14	2	0	49·3	88	21	51	2	66	22	42	11	0	5	18	0	2	25	0	3	23	0	0	0	0	2	11	0	0	0	0	19
5	The Lizard ...	1	12	13	4	0	0	*	0	0	11	19	0	0	*	72	28	50	3	59	29	45	11, 13	*	4	26	0	2	28	0	2	26	0	0	0	2	1	24	0	0	2	4	23
7	Holyhead ...	0	11	15	3	1	0	59·4	0	0	14	16	0	0	51·3	78	21	54	10	57	21	43	11	0	5	15	3	4	21	-	2	22	1	0	0	2	1	17	0	0	1	0	19
8	Chester ... (Sealand)	0	6	11	12	0	1	65·1	0	3	10	17	0	0	48·6	87	21	56	6, 10	57	21, 23	36	11	1	3	19	0	3	21	1	1	22	2	0	0	1	1	9	0	0	0	0	15
10	Tynemouth ...	7	6	10	7	0	0	59·7	0	1	14	15	0	0	49·3	73	22, 25	47	1, 2, 3	58	28	40	11	0	5	18	0	6	24	0	1	25	0	0	0	1	1	16	0	0	0	0	17
11	Leuchars ...	2	10	10	8	0	0	61·7	0	4	14	12	0	0	46·1	74	22	48	4	58	23	37	11	0	8	15	1	2	23	3	3	22	1	0	0	2	1	23	0	0	0	0	27
12	Renfrew ...	0	3	21	4	2	0	63·0	0	3	15	11	1	0	46·6	82	21	57	2, 3	61	22	36	12	0	4	22	1	3	25	0	1	25	0	0	0	0	0	15	0	0	0	0	26
	Eskdalemuir ...	0	10	13	6	1	0	61·1	0	11	10	9	0	0	43·7	81	21	51	2	57	22, 30	33	12	3	10	18	0	4	25	0	4	21	0	0	1	0	0	21	0	0	0	0	24
13B	Stornoway	1	17	11	1	0	0	57·0	0	3	13	8	0	0	46·7	65	22	50	1	53	22, 29, 30	37	11	*	3	23	0	0	24	0	2	24	0	0	0	0	0	24	0	0	0	0	30
15	Aberdeen ..	3	10	12	5	0	0	59·5	0	5	12	13	0	0	46·9	73	16	48	4	56	23	39	11, 12.	0	4	22	1	2	26	1	2	25	1	0	0	2	0	22	0	0	0	1	24
18	Aldergrove ...	1	4	15	10	0	0	*	0	4	14	12	0	0	*	77	21	47	4	57	17	37	11, 12	2	7	22	1	0	28	0	2	24	3	0	0	0	0	17	0	0	0	1	23
19	Birr Castle* ...	0	3	17	9	1	0	64·5	0	0	15	13	0	0	48·3	78	29	56	6	59	21	42	12, 13	0	0	26	0	0	28	0	0	28	0	0	0	0	0	28	0	0	0	0	30
20	Valentia ... (Cahirciveen)	0	4	22	4	0	0	61·6	0	0	8	22	0	0	51·4	73	1, 29	56	4	59	30	44	13, 19	0	8	20	1	4	24	2	8	17	2	0	0	0	0	25	0	0	0	0	24

UPPER AIR TEMPERATURE.

Pressure. mb.	Normal Height. Feet.	Normal Temp. °F.	Mildenhall. Mean. °F.	No. of Reports.	Aldergrove. Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.
950	1850	52·6	55·7	60	53·7	58		
850	4860	42·3	49·7	60	46·3	58		
750	8170	33·6	40·7	60	38·0	58		
650	11890	22·3	25·3	60	28·1	58		
550	16110	9·1	14·3	59	13·9	58		

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.	50	29	18	0	0	0	52	34	15	0	0	0	26	17	6	1	0	0	74	44	30	0	0	0	500 above ground.
1000 above M.S.L.	44	35	9	0	0	0	44	25	16	0	0	0	16	12	5	3	0	0	42	24	17	1	0	0	1000 above M.S.L.
2000 " "	33	14	16	1	0	0	28	7	20	1	0	0	12	7	4	1	0	0	12	6	5	1	0	0	2000 " "
3000 " "	24	9	11	1	0	0	17	6	10	1	0	0	8	4	3	0	0	0	7	4	3	0	0	0	3000 " "
4000 " "	18	7	5	4	0	0	10	1	8	1	0	0	6	2	3	0	0	0	2	2	0	0	0	0	4000 " "

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

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

SUNSHINE, RAINFALL, AND HUMIDITY ..... June ..... 1941.

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).	4	5	2	8	11	15·0	17	1422	-47	215	+12	1880	277	1940	105	1909
	Croydon ...	4	6	3	5	12	15·0	17	1448	-77	213	+2	1922	278	1925	112	1923
	Thorney Island ...	Not recorded.					*	*	*	*	*	*	1881	322	1925	144	1909
	Lympne ...	4	3	3	5	15	15·0	17	1659	-106	236	+9	1921	306	1940	141	1923
2	Shoeburyness ...	4	6	1	5	4	14·5	17	1532	-184	215	-11	1919	275	1925	154	1923
	Gorleston ...	*		*		*	*	*	*	*	*	*	1908	252	1940	148	1916
	Cranwell ...	3	4	5	7	11	15·0	16	1427	-111	216	+15	1921	283	1940	148	1923
3	Birmingham ... (Edgbaston)	5	5	4	6	10	13·6	24	1243	-61	181	+2	1887	280	1940	95	1923
4	Ross-on-Wye ...	4	7	3	4	12	14·5	24	1408	-77	201	+6	1915	318	1925	135	1916
5	Falmouth ... (Observatory)	5	3	5	3	14	13·4	18, 19	1741	+31	211	-16	1881	375	1925	121	1907
7	Holyhead ..	*		*		*	*	*	1545	-5	213	-3	1914	311	1940	150	1931
8	Chester ... (Sealand)	2	7	5	7	9	14·9	12	1365	-11	197	+2	1928	292	1940	131	1923
10	Tynemouth ...	*		*		*	*	*	*	*	*	*	1935	*	*	*	*
11	Leuchars ...	3	6	8	4	9	15·1	19	1175	-295	177	-26	1922	263	1940	137	1935
12	Renfrew ...	1	9	4	6	10	13·3	1	1111	-82	189	+4	1921	258	1925	105	1931
	Eskdalemuir ...	2	9	6	4	9	14·4	24	1121	-80	177	+2	1910	271	1940	83	1912
13B	Stornoway	0	13	3	8	6	16·1	3	1217	+2	176	+9	1881	260	1905	94	1923
15	Aberdeen ** ...	2	6	6	5	10	14·3	20	1076	-253	190	+9	1881	279	1940	82	1912
18	Aldergrove ...	3	7	9	4	7	14·4	11	1138	*	165	*	1927	279	1940	123	1938
19	Birr Castle ...	4	9	6	3	5	14·6	12	1214	-92	136	-24	1881	278	1940	104	1937
20	Valentia ... (Cahirciveen)	2	13	3	4	8	14·8	19	1454	+86	139	-34	1880	295	1887	91	1924

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).	23	0	4	2	0	1	25	9	699	+93	49	-6	1856	183	1903	1	1925	3	0
	Croydon ...	23	1	2	3	1	0	23	9	749	+70	53	-1	1921	90	1926	4	1925	3	0
	Thorney Island ...	24	2	3	1	0	0	15	4	*	*	27	-19	1871	100	1905	0	1925	1	0
	Lympne ...	24	2	3	1	0	0	14	9	739	+15	21	-28	1920	113	1927	1	1921	0	0
2	Shoeburyness ...	25	2	1	2	0	0	7	10	550	+47	17	-28	1920	70	1937	5	1921	1	0
	Gorleston ...	24	2	4	0	0	0	5	12	670	+52	13	-32	1871	116	1927	5	1932	0	0
	Cranwell ...	21	6	3	0	0	0	3	12	665	+75	10	-33	1917	81	1936	3	1925	1	0
3	Birmingham ... (Edgbaston)	24	1	5	0	0	0	18	9	839	+165	25	-34	1893	125	1912	9	1925	2	0
4	Ross-on-Wye ...	24	1	1	2	2	0	16	7	769	+52	57	+2	1859	143	1860	0	1925	4	0
5	Falmouth ... (Observatory)	21	3	2	2	2	0	20	8	1184	+77	59	0	1871	190	1879	0	1925	1	0
7	Holyhead ..	24	3	0	3	0	0	8	8	810	-77	24	-31	1871	127	1936	1	1925	1	0
8	Chester ... (Sealand)	22	7	0	1	0	0	10	5	768	+130	13	-39	1922	128	1931	1	1925	1	0
10	Tynemouth ...	24	3	2	1	0	0	10	22	873	+252	17	-33	1915	100	1927	3	1925	1	0
11	Leuchars ...	22	4	3	1	0	0	11	21	824	+189	22	-20	1922	115	1931	7	1940	3	0
12	Renfrew ...	22	3	5	0	0	0	5	16	975	+36	16	-40	1921	125	1928	10	1925	1	0
	Eskdalemuir ...	20	4	2	3	1	0	17	22	1372	-57	50	-30	1910	260	1931	23	1921	4	0
13B	Stornoway	17	7	6	0	0	0	3	11	968	-298	15	-44	1870	140	1872	11	1897	0	0
15	Aberdeen ** ...	22	2	4	2	0	0	8	30	957	+208	25	-18	1871	118	1916	12	1891	4	0
18	Aldergrove ...	23	2	5	0	0	0	3	23	812	-26	11	-50	1926	116	1938	40	1940	0	0
19	Birr Castle ...	18	8	1	1	0	0	11	5	820	-7	15	-40	1862	131	1878	9	1887	0	0
20	Valentia ... (Cahirciveen)	12	13	4	1	0	0	7	1	1374	-40	28	-53	1866	207	1935	3	1921	1	0

MINIMUM SURFACE HUMIDITY.

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

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

** The occasions recorded are only 28 in number.

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)	15	15	0	0	0	0	0	0	0	0
Ross-on-Wye	20	10	0	0	0	0	0	0	0	0
Renfrew ...	28	2	0	0	0	0	0	0	0	0
Eskdalemuir	18	12	0	0	0	0	0	0	0	0
Aberdeen ...	26	4	0	0	0	0	0	0	0	0
Valentia ...	-	-	-	-	-	-	-	-	-	-

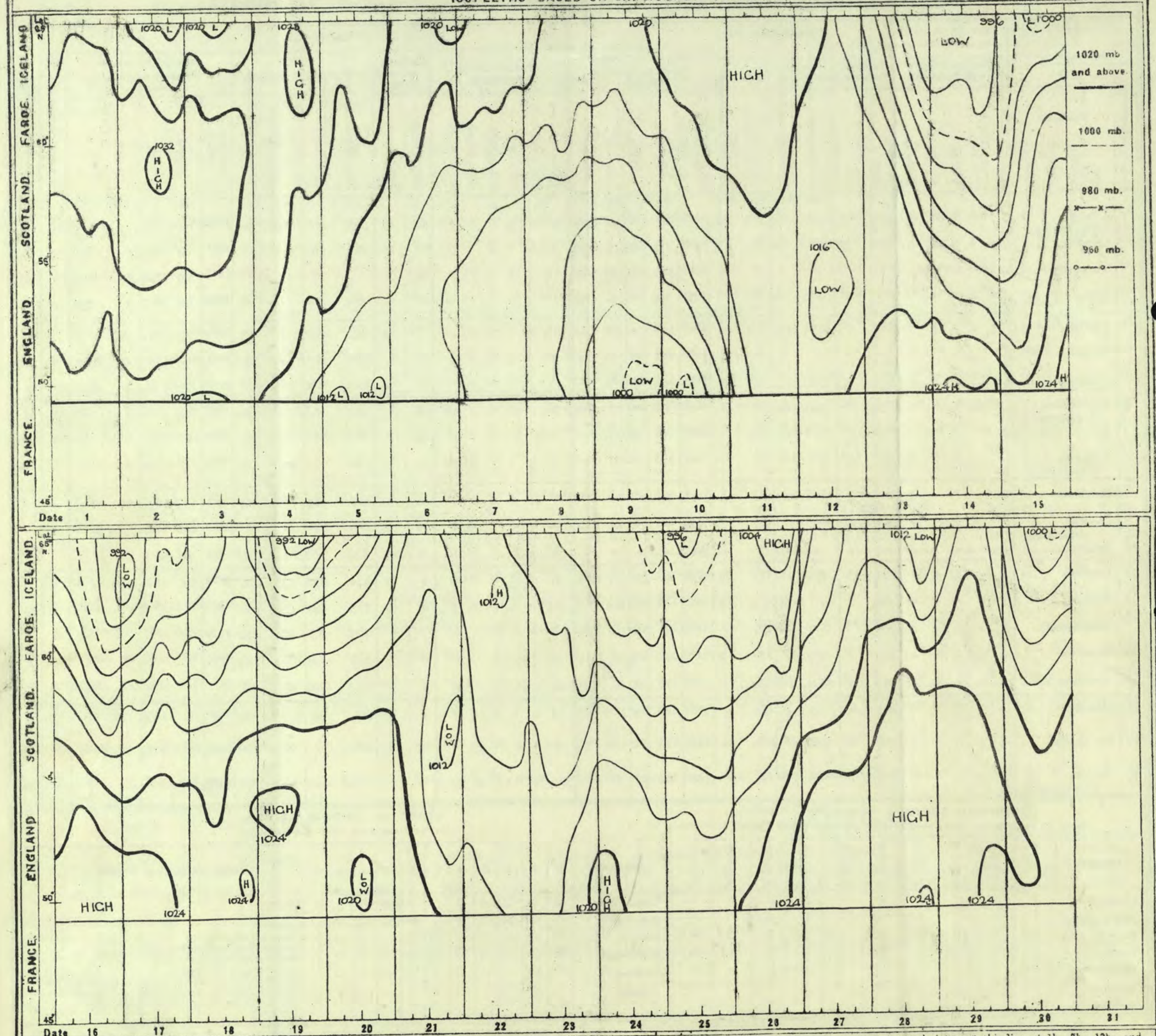
CODE for State of Ground.

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.

‡ 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 June 1941

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



* The diagram is obtained by drawing a line from Akureyri in Iceland to the south of France near 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. M.O., Dunstable.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Sunday 1st June 1941

No 29,046.

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

District	Stations (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours (2)	Wind Direc. (3)	Wind Force 0–12 (4)	Weather (5)	Temp. °F. (6)	Humid. % (7)	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)	1019·5	+6	NE'E	3	z_0	54	85	5	5	–	–	10	10	2500
	Croydon	1019·6	+10	NE	2	m	53	92	4	5	–	–	10	10	400
	S. Farnborough	1019·6	+6	NE'E	2	z_0	55	75	5	5	–	–	10	10	800
	Boscombe Down	1019·5	+8	NE'E	2	z_0	55	85	6	5	–	–	10	10	1000
	Thorney Island	1018·8	+6	NE'E	3	z_0	56	85	6	5	–	–	10	10	500
	Lympne	1020·2	+10	SE	2	z_0	54	85	6	5	–	–	10	10	800
	Manston	1019·8	+10	–	0	z_0	52	85	6	5	–	–	10	10	600
2	Shoeburyness	1019·7	+6	SE	1	o	52	85	8	5	–	–	10	10	450
	Felixstowe	1019·3	+8	S	2	z_0	56	85	6	5	–	–	2-3	2-3	800
	Gorleston	1019·5	+10	NE'N	4	bc	55	85	6	5	–	–	4-6	4-6	2500
	Mildenhall	1019·6	+4	N'E	2	c	55	85	7	5	–	–	9	9	800
	Cranwell	1020·5	+4	E'N	4	bc	60	75	7	1	–	–	2-3	2-3	2500
3	Birmingham	1019·6	+4	ENE	2	z_0	57	75	5	–	–	–	0	0	–
	Upper Heyford	1019·8	+8	NE'E	3	z_0	54	85	6	5	–	–	10	10	700
4	Ross-on-Wye	1009·7	0	E'S	2	z_0	62	65	5	7	–	–	Tr	Tr	2500
5	Hartland Point	1018·9	+6	NNE	3	bc	56	85	6	5	–	–	2-3	2-3	1500
	Bristol	1019·4	+6	NE'E	3	z_0	59	75	6	5	–	–	9+	9+	1200
	Portland Bill	1018·2	+10	ENE	2	o	53	92	7	5	–	–	10	10	2500
	Plymouth	1019·3	+6	SW'W	3	z_0	55	92	6	5	–	–	9+	9+	1400
	The Lizard	1018·6	+10	SE	3	bc	59	75	7	4	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	1018·7	+6	NE'E	3	bc	60	75	6	5	–	–	4-6	4-6	1500
	Guernsey														
6	Pembroke	1019·6	+4	NW	3	z_0	56	85	5	–	–	–	10	10	<150
7	Holyhead	1019·6	+4	NNW	3	z_0	56	92	6	–	–	8	0	2-3	–
	Chester (Sealand)	1019·2	+4	NW	4	z_0	62	65	5	–	–	–	0	0	–
8	Manchester	1019·7	+4	ENE	4	z_0	72	45	6	–	–	–	0	0	–
10	Spurn Head	1019·0	+18	N'E	5	z_0	50	92	6	5	–	–	9+	9+	1500
	Catterick	1022·2	+10	NE	3	z_0	55	75	6	5	–	–	1	1	1100
	Tynemouth	1023·0	+16	NE	4	o/f	46	92	6	5	–	–	10	10	800
11	St. Abbs Head	1023·1	+12	N	2	f	45	97	3	–	–	–	10	10	<150
	Leuchars	1022·6	+4	E	4	z_0	53	85	6	5	–	–	2-3	2-3	1500
12	Renfrew (Abbots I.)	1021·7	-4	ENE	1	b	74	45	7	–	–	1	0	Tr	–
	Eskdalemuir	1020·6	+4	E	3	b	71	45	8	2	–	1	Tr	Tr	2500
	Point of Ayre	1020·7	+2	NW'N	2	b	62	75	8	2	–	1	Tr	1	4000
13A	Tiree	1023·1	+4	N	2	b	56	65	8	–	–	5	0	1	–
13B	Stornoway	1024·0	+12	NE	3	bjf	51	92	6	–	–	–	0	0	–
15	Dalwhinnie	*	+6	NE	1	c	76	45	8	4	–	–	9	9	1500
	Aberdeen	1023·5	+8	E'N	2	bc	50	85	8	5	–	–	4-6	4-6	1100
	Wick	1023·9	+6	ENE	2	c	46	85	7	5	2	–	7-8	10	1500
16	Lerwick	1023·1	+6	NE	4	bc	51	75	8	5	4	–	2-3	4-6	1500
17	Blacksod Point	1020·5	+6	N	3	bc	64	75	7	–	–	3	0	4-6	–
18	Malin Head	1021·8	+12	NE	1	b	54	85	8	–	–	7	0	0	–
	Aldergrove	1021·1	+6	ENE	3	b	71	55	7	1	4	1	Tr	1	2500
19	Birr Castle	1020·0	+6	NNE	1	c	68	65	8	1	–	5	2-3	7-8	2500
20	Valentia Obsy. †	1020·0	+14	ENE	3	c	63	65	9	5	–	–	7-8	7-8	2500
	Roches Point	1020·5	+12	E'S	3	c	54	85	8	5	–	–	9+	9+	1500

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

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)	1020·9	+4	–	0	z_0	58	75	5	5	3	–	Tr	1	2500	1	*
Croydon	1020·6	+2	NNE	1	z_0	57	85	6	1	–	–	Tr	Tr	5000	1	*
S. Farnborough	1020·6	+4	ENE	2	z_0	58	75	6	5	–	–	2-3	2-3	2000	1	*
Boscombe Down	1020·5	+6	E'N	2	z_0	54	85	5	5	–	–	10	10	800	1	*
Thorney Island	1021·1	+6	E	2	b	58	75	7	1	–	–	Tr	Tr	2500	0	
Lympne	1020·8	+8	SSE	1	z_0	56	85	6	1	–	–	Tr	Tr	3500	1	§2
Manston	1020·7	+2	NW'W	1	z_0	55	85	6	5	–	–	Tr	Tr	3000	1	*
Shoeburyness	1020·7	+4	SSW	1	b	58	75	7	–	–	–	0	1	–	1	1
Felixstowe	1020·0	+4	SSW	2	z_0	57	85	6	–	–	6	0	2-3	–	1	1
Gorleston	1020·4	+4	NNE	2	bc	55	85	6	5	5	6	2-3	4-6	2500	1	2
Mildenhall	1020·4	+6	N'W	2	bc	59	85	7	5	–	2	Tr	4-6	1000	0	*
Cranwell	1022·0	+10	ENE	4	c	59	65	8	–	–	6	0	7-8	–	0	*
Birmingham	1020·0	+6	ENE	3	bc	65	55	8	1	–	–	2-3	2-3	4000	1	*
Upper Heyford	1021·2	+8	E'N	3	z_0	57	85	6	5	–	–	9+	9+	1000	1	*
Ross-on-Wye	1019·8	+6	NE'E	3	z_0	63	75	6	1	–	–	Tr	Tr	2500	1	*
Hartland Point	1019·3	+4	NNE	2	b	54	92	6	–	–	–	0	0	–	0	2
Bristol	1020·4	+8	E'S	2	z_0	58	85	6	5	–	–	9	9	1700	0	*
Portland Bill	1019·2	+4	E	2	bc	53	92	8	1	–	–	2-3	2-3	4000	1	2
Plymouth	1020·1	+2	SSW	2	z_0	54	92	6	5	–	–	7-8	7-8	800	0	3
The Lizard	1018·9	0	–	0	o	57	85	8	5	–	–	10	10	2400	0	2
Scilly (St. Mary's)	1019·6	+6	NNE	3	bc	55	85	6	5	–	–	4-6	4-6	2200	1	3
Guernsey																
Pembroke	1019·9	0	N	3	z_0	59	85	6	–	–	–	10	10	<150	1	3
Holyhead	1020·5	+6	NW'N	3	z_0	57	85	6	–	–	1	0	Tr	–	0	1
Chester (Sealand)	1020·6	+8	WNW	2	z_0	63	65	6	2	–	–	Tr	Tr	4500	0	*
Manchester	1020·7	+10	NE	3	z_0	70	55	6	–	3	–	0	Tr	–	0	*
Spurn Head	1021·1	+4	N'E	5	z_0	48	85	6	5	–	–	7-8	7-8	4000	0	4
Catterick	1022·9	+6	NE'N	2	z_0	54	75	5	–	–	–	0	0	–	0	
Tynemouth	1024·1	+4	NE	3	o	45	92	6	5	–	–	10	10	1200	1	3
St. Abbs Head	1023·9	+4	NNE	1	z_0	44	97	6	5	1	–	4-6	9	800	1	2
Leuchars	1024·3	+6	E	3	m	46	97	4	5	–	–	10	10	200	1	*
Renfrew (Abbots I.)	1021·8	+4	ENE	2	b	70	55	7	1	–	1	Tr	1	5000	0	*
Eskdalemuir	1021·4	+6	ENE	3	b	69	45	8	–	–	1	0	Tr	–	0	*
Point of Ayre	1021·4	+2	WNW	3	b	64	75	8	2	–	–	Tr	Tr	4000	0	3
Tiree	1024·0	0	N'W	3	b	54	85	8	1	–	5	Tr	Tr	3500	0	3
Stornoway	1025·9	+10	N	4	b	52	85	8	5	–	–	Tr	Tr	3000	0	3
Dalwhinnie	*	+8	NE	2	c	71	45	8	8	–	–	7-8	7-8	2500	0	*
Aberdeen	1024·3	+2	ENE	2	c	48	85	7	5	–	–	9+	9+	700	0	2
Wick	1024·5	+6	E	1	b	46	85	8	1	4	–	1	1	2500	0	2
Lerwick	1024·1	+4	NE	4	bc	49	75	8	5	–	–	4-6	4-6	1500	0	*
Blacksod Point	1022·4	+10	N	4	bc	59	85	7	–	4	–	0	2-3	–	0	4
Malin Head	1023·6	+10	NE	3	bc	54	85	8	2	–	–	2-3	2-3	5700	0	0
Aldergrove	1022·0	+6	E'S	2	b	74	45	7	1	–	1	Tr	Tr	3500	0	*
Birr Castle	1020·5	+6	ENE	2	bc	73	55	8	1	–	–	2-3	2-3	2500	0	*
Valentia Obsy. †	1021·9	+16	W	3	b	56	85	8	1	–	–	Tr	Tr	4000	0	3
Roches Point	1021·3	+2	S	1	b	55	85	8	1	–	–	1	1	4000	1	2

PAST 24 HOURS. Weather.

Stations	7h.—13h. 31st (37)	13h.—18h. 31st (38)	18h. 31st to 1h. 1st (39)	1h.—7h. 1st (40)
London (Kew)	oir_0cm_0	$cbcbm_0$	bm_2bFf	$cFcmid_0$
Croydon		$omcm_0$	bm_2of	oFFd
S. Farnborough	$od_0d_0m_0c$	bc	bz_0fwoF	Ffd_0o
Boscombe Down	cm_0	cm_0	cm_2bmF	b_0oFf
Thorney Island	om_0	o,d_0m_0ocb	bbm_0	b_0oFm
Lympne	$omd_0d_0m_0$	$obcm_0b$	$bbcbm_2w$	fom
Manston	$om_0d_0d_0cm$	$cbcbm_0$	m_0FFw	oFd_0df
Shoeburyness	om	om_0b	bbcc	oidfdd
Felixstowe	oid_0om_0	bm_0	bm_2of	om
Gorleston	$obcz_0$	bcz_0	cm_2	cod_0d
Mildenhall	$om_0d_0d_0c$	$cbcm_0bc$	bcm_2wom_2	$om_2od_0d_0$
Cranwell	bc	bbcc	cm_2	pqdmm
Birmingham	fdpbz	bbcb	bbc	bcbc
Upper Heyford	om_0	om_0cm_0	bcm_0fm_2	ofm_2cm
Ross-on-Wye	om_0bzbcz	bz_0	$bzbm_2$	bfwbcm
Hartland Point	bccbc	bc	bbc	bccbc
Bristol	cid_0cm_0	$cbccz_0$	$cz\,bm_0$	bm_2m_0F
Portland Bill	c	obc	cbc	bcbc
Plymouth	$bm_0cm_2bm_0$	cm_0	$cm_2bm_2om_2$	cm_2bc
The Lizard	cbc	bcco	oc	co
Scilly (St. Mary's)	cbc	cbcbbc	bcc	cw
Guernsey				
Pembroke	bm_0	m_0	bcm	$cbcm_2w$
Holyhead	mm_0bbc	m_0bcb	m_2wb	m_2wbbc
Chester (Sealand)	$bbcbm_0$	bz_0	bbcbmw	$bbcm_2w$
Manchester	bm_0z_0y	bz_0y	bcz_0bz	cz_0
Spurn Head	om	bcm	ompr	om
Catterick	$cifom_0$	bz_0	bf_0f_0oF	oFofw
Tynemouth	off	o	cm_0	omo
St. Abbs Head	Ffe	ofmc	cmFe	Fomc
Leuchars	$fecbm_0$	bcm_0cm_0	emcfF	fem_0
Renfrew (Abbots I.)	cvm_0bz	by	bybcb	bcefcm
Eskdalemuir	by	by	by b	bwbc
Point of Ayre	b	b	cbcbb	cw
Tiree	b	b	b	bbc
Stornoway	b	o	bbcc	c
Dalwhinnie	bcy	cy	*	cbc
Aberdeen	d_0cbc	bcc		coff
Wick	m_0c	cb	bbcc	c
Lerwick	bc	bc	c	cid_0
Blacksod Point	bc	bc	b	bc
Malin Head	bc	bc	bc	c
Aldergrove	bz_0by	by	bybw	$bbccm_0$
Birr Castle	bbcc	bcy	cb	bc
Valentia Obsy. †	bcc	cb	bbw	bwcwc
Roches Point	id_0c	b	bcb	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_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.

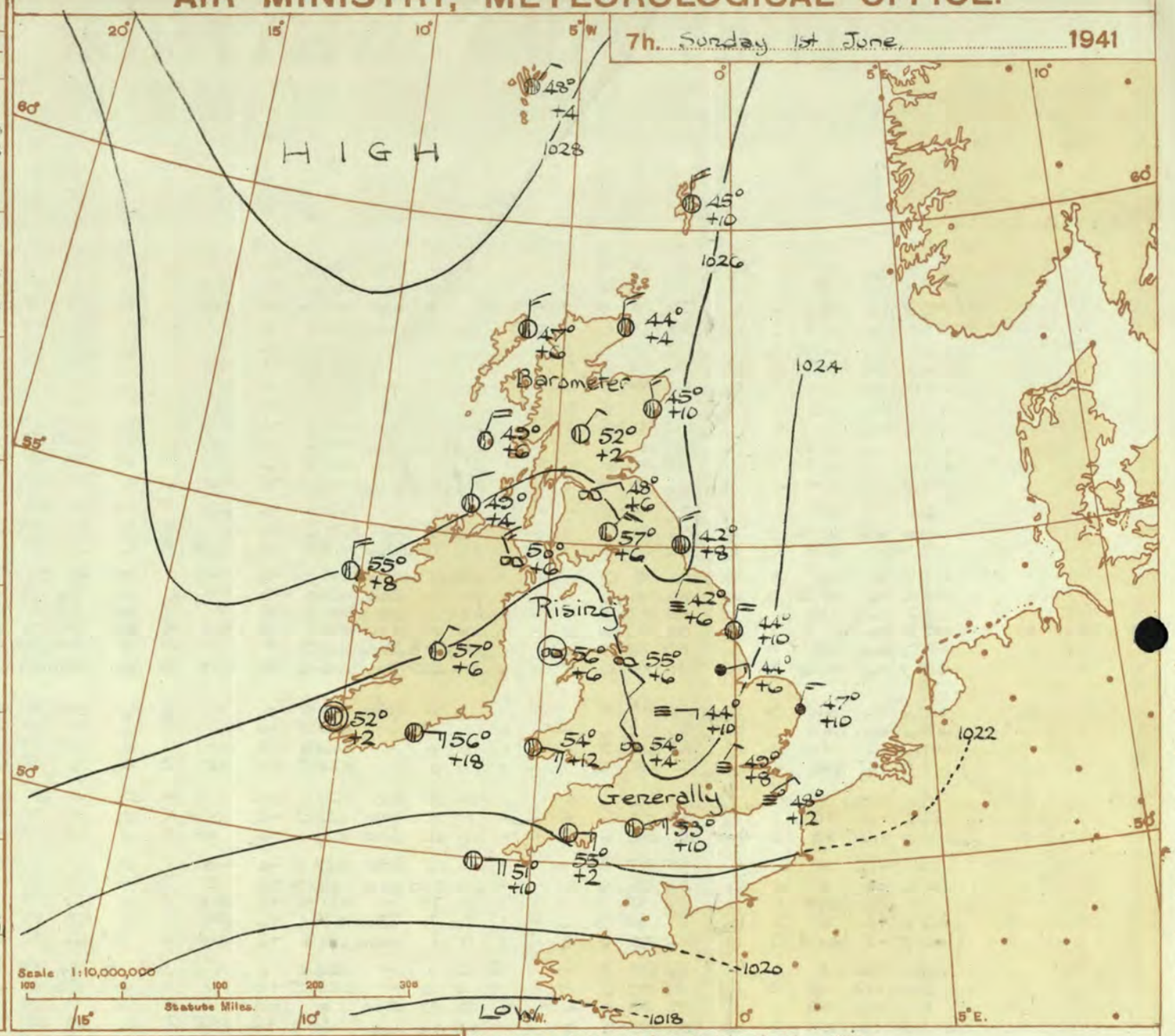
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

AIR MINISTRY, METEOROLOGICAL OFFICE.

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 31st May			18h. G.M.T.			01h. G.M.T. 1st June			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 50	00542	01212	50	00552	02302	5-	03738	32328	5-	52728	32158
115 52	09634	08447	54	09834	08425	52	09738	08428	52	09838	04225
203			5-	00741	08441	5-	03838	32328	5-	02838	32328
206 10	00742	10422	50	00841	10401	5-	02847	02227	5-	02738	32128
210 5-	02728	06328	50	01824	06314	5-	02728	06128	5-	51638	22158
220			00	09790	31300				00	00990	00000
230 10	00861	24113	30	00961	22301	00	00990	26200	00	00990	26200
245 5-	05528	1248	5-	05618	10328	--	44209	00049	5-	03628	00048
260 50	05631	04201	5-	09623	04213	5-	08418	00028	5-	05528	04328
277											
279 1+	00851	04301	10	00861	08301				04	02890	04316
285 53	00790	06401									
288 5-	05528	02328	5-	05535	04225	5-	47238	02248	5-	43338	02258
273											
301 04	05690	28301	04	00790	08301	00	05690	08300	00	05690	10225
321 10	00851	03301	00	00790	04403	00	05690	08213	--	48309	31159
299 --	46209	28649	5-	03728	30628	--	46109	35649	5-	02747	30447
292 00	00890	28310	00	00790	27301	5-	08418	31348	5-	41428	04248
310											
316 10	05651	02351	00	01890	02301	00	01590	08213	5-	41428	32248
333 00	05690	28412	00	05690	28300	00	05690	28200	03	01790	00014
334											
340 00	05690	06200	14	00761	06302	00	05690	06300	00	05690	05213
136			5-	05637	01327	5-	08408	04358	5-	02838	02358
336 53	01742	10314	13	01762	08313						
350 5-	05528	20051	5-	05647	03227	--	48109	04249	5-	05518	02248
368 50	05545	16125							50	05544	07215
379 5-	05637	04227	20	05654	04324	5-	47309	04240	50	05645	04126
390 5-	05628	02148	10	05645	10125	5-	57318	02248	5-	08428	04158
382 5-	05648	04328	5-	05648	04228	5-	48109	02149	5-	41528	03248
438 5-	46009	02349							--	46009	06349
430 02	05548	02328	20	00852	16202				5-	41428	00048
409			50	05643	02313	50	05542	06212	10	05742	10214

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 1st June, 1941.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light to moderate N.E. winds: fair; considerable cloud night and morning: sunny periods by day; some early morning fog; much warmer by day inland; cool on coast.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England	Light to moderate easterly winds; fine; warm; patches of early morning fog.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	As 1-3.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland	Light north to N.E. breeze; fine, warm.
15 N. E. Scotland 16 Orkneys and Shetlands	Moderate northerly wind; mainly fair; chance of coastal fog at times.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light north to N.E. winds; fine, warm.

GENERAL INFERENCE.

A ridge of high pressure connects anticyclones centred to South of Iceland and near the Azores, and an extension of the Icelandic high continues to develop toward Germany. A complex low pressure area over Spain will spread slowly north. Weather will be fine and warm in many districts by day, but there will be considerable cloud and fog in eastern districts night and morning.

FURTHER OUTLOOK.

Similar in most districts; brighter conditions generally in the Southeast but increasing tendency to thunder later.

Warm front
Cold front
Occlusion

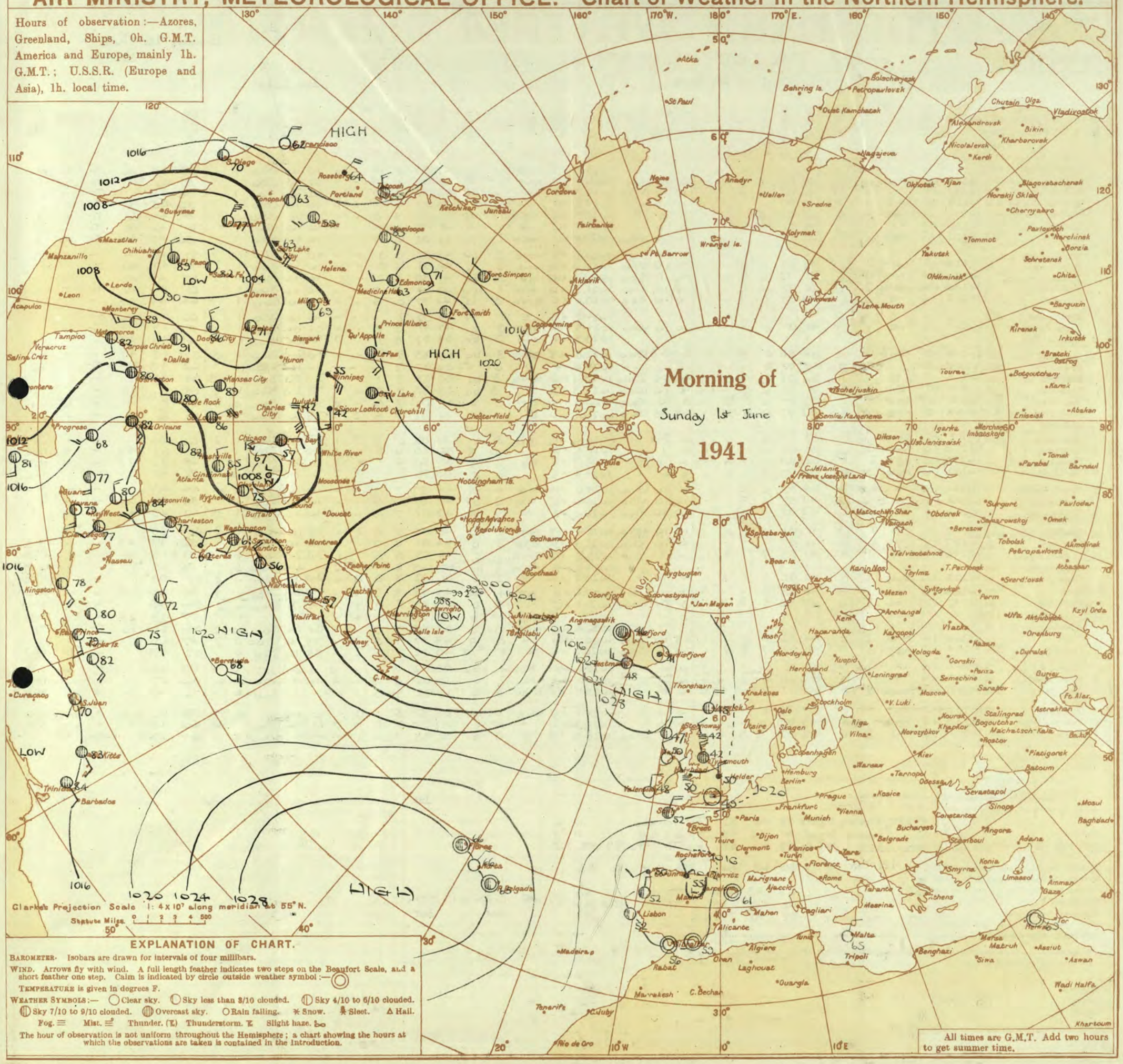
Forecasts issued at 10.30. G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266.Wa. 8176. D. 6034. Gp. 948 9300. 5/41

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

Sunday 1st June 1941

No. 29,046

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

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	1022.4	+6	-	0	of	49	97	3	5	-	-	10	10	400
	S. Farnborough	226	1022.7	+4	-	0	F+	45	92	0	-	-	-	10	10	<150
	Boscombe Down	417	1022.8	+4	NNE	1	F+	47	97	1	-	-	-	0	0	-
	Thorney Island	10	1021.7	0	NE	1	z	45	97	6	-	-	-	0	0	-
	Lympne	346	1022.1	+4	-	0	mz	48	92	5	-	-	-	0	0	-
	Manston	154	1022.2	+2	NE'E	2	F+	47	97	1	-	-	-	10	10	<150
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1022.0	+2	NE'N	2	o/f	52	92	6	5	-	-	10	10	600
	Gorleston	5	1022.4	+4	N'E	3	c	47	92	6	5	-	-	10	10	800
	Mildenhall	19	1023.0	+10	NE'N	2	z	46	97	6	5	-	-	10	10	400
	Cranwell	240	1024.2	+6	E	3	z.	44	97	5	5	-	-	10	10	600
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1022.5	+6	NE	1	o/f	49	97	5	5	-	-	10	10	400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1020.8	+6	ENE	3	bc	54	85	6	5	-	-	2-3	2-3	1500
	Bristol	209	1022.6	+10	-	0	z	49	97	5	-	-	-	0	0	-
	Portland Bill	32	1021.0	+6	E	2	bc	50	92	7	5	-	-	4-6	4-6	2500
	Plymouth	82	1021.4	+2	E'N	2	z	51	92	6	5	-	-	10	10	1000
	The Lizard	240	1019.9	0	ENE	3	c	53	97	6	5	2	-	9	10	1500
	Scilly (St. Mary's)	163	1019.8	-6	NNE	3	c	52	97	6	5	-	-	7-8	7-8	1500
	Guernsey	175														
6	Pembroke	142	1021.9	+6	ENE	3	bc	53	92	6	-	7	-	0	2-3	-
7	Holyhead	26	1022.0	+6	NW'N	2	z	56	85	6	-	4	1	0	1	-
	Chester (Sealand)	16	1022.8	+10	SE'S	2	bz	52	85	5	-	4	-	0	1	-
8	Manchester	70	1023.2	+6	NE'E	2	z	53	75	5	-	-	-	0	0	-
10	Spurn Head	29	1024.0	+6	N	4	pr	50	97	6	5	-	-	10	10	1500
	Catterick	175	1024.9	+2	N	2	F+	44	97	1	-	-	-	10	10	<150
	Tynemouth	108	1025.0	+4	N	3	o	42	97	5	5	-	-	10	10	1500
11	St. Abbs Head	280	1024.9	0	N	1	F	41	97	1	-	-	-	10	10	<150
	Leuchars	36	1025.2	+2	-	0	F+	44	97	1	-	-	-	10	10	<150
12	Renfrew (Abbots I.)	19	1024.6	+4	E	1	b	49	85	7	-	4	1	0	1	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1022.7	+6	ENE	1	b	52	97	7	-	4	-	0	Tr	-
13A	Tiree	22	1026.4	+6	N	3	b	49	85	8	*	*	5	0	1	-
13B	Stornoway	80	1027.2	+22	N	2	c	47	85	8	5	7	-	9	9+	1000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1026.0	+4	NNE	2	c	44	92	7	5	2	-	7-8	10	1500
16	Lerwick	156	1025.4	+4	NE'N	4	c	45	92	7	8	2	-	7-8	9+	1500
17	Blacksod Point	18	1024.6	+4	N	3	b	55	92	7	-	-	-	0	0	-
18	Malin Head	84	1025.7	+4	N	1	b	50	85	8	-	-	-	0	0	-
	Aldergrove	268	1024.5	+10	NNW	2	b	49	92	7	-	4	1	0	Tr	-
19	Birr Castle	173	1023.0	+10	SE	1	b	57	85	8	-	-	-	0	0	-
20	Valentia Obsy.	30	1023.5	+2	NE	2	b	48	97	7	-	-	-	0	0	-
	Roches Point	22	1022.1	+2	N	2	b	52	92	8	5	-	-	1	1	2500

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

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)	1023.9	+8	NNE	3	dd	47	85	4	5	-	-	10	10	1500	1	*
Croydon	1023.3	+8	NNE	1	F.	48	97	1	-	-	-	10	10	<150	1	*
S. Farnborough	1023.9	+6	NNW	1	df	50	97	2	5	-	-	10	10	300	1	*
Boscombe Down	1023.8	+8	-	0	F	48	97	1	-	-	-	10	10	<150	1	*
Thorney Island	1023.7	+16	NE'E	1	m/f	50	97	4	5	-	-	10	10	<150	0	
Lympne	1023.5	+12	NE	1	m	48	97	4	5	-	-	10	10	100	1	§
Manston	1023.6	+18	NE'N	2	o/d	47	92	6	5	-	-	10	10	300	1	*
Shoeburyness	1024.1	+8	NNE	2	df	48	97	3	5	-	-	10	10	220	1	*
Felixstowe	1024.0	+14	NNE	2	z	46	92	6	5	-	-	10	10	600	1	2
Gorleston	1023.8	+10	N'E	3	dd	47	85	6	6	-	-	10	10	500	1	2
Mildenhall	1024.2	+6	N'W	2	dd	45	97	7	5	-	-	10	10	300	1	*
Cranwell	1025.0	+6	ENE	3	id	44	97	6	5	-	-	10	10	500	1	*
Birmingham	1024.9	+10	E	1	f+	44	92	2	-	-	-	10	10	<150	1	*
Upper Heyford	1024.5	+14	NE'E	3	z	45	97	5	5	-	-	9+	9+	500	1	*
Ross-on-Wye	1023.5	+4	NW	2	bc	54	92	5	1	-	9	Tr	4-6	1500	1	*
Hartland Point	1022.3	+8	ENE	3	bc	58	85	8	5	-	-	2-3	2-3	2500	0	3
Bristol	1024.0	+4	-	0	f-	50	97	2	-	-	-	10	10	<150	1	*
Portland Bill	1023.0	+10	ENE	3	bc	53	85	7	1	-	-	2-3	2-3	2500	1	3
Plymouth	1022.3	+2	E	3	bc	55	85	7	5	-	1	Tr	2-3	1500	0	2
The Lizard	1020.5	+10	E'N	5	c	51	97	7	5	-	-	10	10	1500	0	3
Scilly (St. Mary's)	1021.0	+10	E	4	c	51	92	7	5	2	-	7-8	10	1500	0	3
Guernsey																
Pembroke	1024.0	+12	ES	3	c	54	92	6	5	7	1	4-6	7-8	8000	1	2
Holyhead	1023.4	+6	-	0	z	56	85	6	8	-	6	4-6	7-8	7200	1	1
Chester (Sealand)	1023.9	+6	SE	2	z	55	85	6	-	4	9	0	7-8	-	0	*
Manchester	1024.3	+6	-	0	z	53	75	6	-	9	2	0	7-8	-	0	*
Spurn Head	1024.6	+10	N'E	4	o	44	85	7	5	-	-	10	10	1500	0	4
Catterick	1026.0	+6	N'E	2	of	42	97	3	5	-	-	10	10	500	0	*
Tynemouth	1026.0	+8	N	3	o	42	97	7	5	-	-	10	10	600	1	3
St. Abbs Head	1026.4	+8	NW	2	c	41	97	7	5	2	-	7-8	10	600	1	2
Leuchars	1026.4	+10	ESE	2	z	44	97	6	5	-	-	10	10	500	1	*
Renfrew (Abbots I.)	1025.8	+6	ENE	1	z	48	85	5	5	-	1	2-3	2-3	500	0	*
Eskdalemuir	1024.6	+6	NE'N	3	bc	57	45	8	7	-	2	1	4-6	4000	0	*
Point of Ayre	1023.8	+6	E	2	c	51	92	8	5	3	6	2-3	9+	2000	0	2
Tiree	1027.4	+6	N'E	4	bc	49	85	8	2	-	-	2-3	2-3	2800	0	4
Stornoway	1021.1	+6	N	3	c	47	85	8	5	7	-	7-8	9+	2500	0	2
Dalwhinnie	1027.1	+2	NNE	1	b	52	75	8	-	4	-	0	Tr	-	1	*
Aberdeen	1026.4	+10	N'W	3	c	45	85	7	5	-	-	9+	9+	1100	0	2
Wick	1026.9	+4	N	3	c	44	97	7	5	2	-	7-8	10	1500	0	2
Lerwick	1026.6	+10	N	4	c/d	45	92	7	5	2	-	7-8	10	800	0	*
Blacksod Point	1026.0	+8	N	4	bc	55	92	7	-	-	2	0	2-3	-	0	4
Malin Head	1026.5	+4	N	2	c	49	92	6	5	-	4	4-6	9	450	0	1
Aldergrove	1025.6	+6	NNW	3	z	50	92	5	5	-	-	9+	9+	200	0	*
Birr Castle	1024.1	+6	NNE	1	bc	57	85	8	-	3	-	0	4-6	-	0	*
Valentia Obsy.	1023.2	+2	-	0	c	52	97	8	5	3	7	1	10	5700	1	0
Roches Point	1023.5	+18	E	3	c	56	85	7	5	1	-	4-6	9	2500	1	3

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 31st Hrs. (36)
London (Kew)	58	46	36	Tr	Tr	0.0
Croydon	57	46	43	Tr	0.1	1.8
S. Farnborough	58	44		Tr	0.1	0.3
Boscombe Down	56	45	38	-	Tr	0.0
Thorney Island	59	44	33	Tr	-	*
Lympne	61	46	38	Tr	-	5.8
Manston	56	45	34	Tr	0.1	*
Shoeburyness	59	48	41	-	0.2	3.8
Felixstowe	58	45	45	0.1	-	6.4
Gorleston	57	45	45	-	Tr	*
Mildenhall	61	44	42	Tr	Tr	6.2
Cranwell	64	42	43	-	Tr	9.1
Birmingham	66	44	40	0.1	-	7.2
Upper Heyford	57	43	38	Tr	-	*
Ross-on-Wye	63	46	42	-	-	8.0
Hartland Point	57	49	47	-	-	11.6
Bristol	62	43	34	Tr	-	2.6
Portland Bill	54	48	*	-	-	*
Plymouth	58	50	48	-	-	5.3
The Lizard	61	50	*	-	Tr	5.4
Scilly (St. Mary's)	61	50	*	-	-	8.9
Guernsey						
Pembroke	60	50	*	-	-	6.8
Holyhead	59	52	44	-	-	12.6
Chester (Sealand)	65	50	42	-	-	11.9
Manchester	72	41	33	-	-	12.6
Spurn Head	54	43	*	-	*	5.4
Catterick	58	41	38	-	-	8.1
Tynemouth	46	42	40	-	-	*
St. Abbs Head	46	39	*	-	Tr	*
Leuchars	54	42	43	-	-	4.3
Renfrew (Abbots I.)	79	45	40	-	-	11.3
Eskdalemuir	74	45	37	-	-	14.2
Point of Ayre	67	59	*	-	-	13.8
Tiree	58	47	*	-	-	15.2
Stornoway	54	45	*	-	-	14.3
Dalwhinnie	77	35	27	-	-	9.3
Aberdeen	54	41	40	Tr	-	7.1
Wick	47	43	*	-	-	*
Lerwick	52	44	*	-	Tr	14.7
Blacksod Point	65	52	*	-	-	*
Malin Head	56	47	*	-	-	14[illegible]
Aldergrove	74	47	44	-	-	14.8
Birr Castle	75	50	46	-	-	13.5
Valentia Obsy.	66	46	41	-	0.1	8.5
Roches Point	57	51	*	Tr	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. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	oizcm	cbcbm	bzbff	58	46	36	Tr	Tr	0.0	*	*	6
Croydon	217		omcm	bmof	57	46	43	Tr	0.1	1.8	*	*	3
Greenwich (Royal Observatory)	149	bm	cbm	bmofd	59	45	39	-	Tr	1.4	85	88	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	- *	59	47	44	Tr			80	93	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*									*
Camden Square	110	o	o	*	60	45	44	-	Tr	*	*	85	*
Kensington	80	o	o	*	59	46	45*	-	Tr		93	92	*
Hampstead Observatory	450	or	bc •	o	57	45	45	0.3	-		*	94	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 1st.

	Max.	Time.	Min.	Time.
South Kensington.				
Kew Observatory.	0.2	7-23h 31st	0.1	7-9h 31st

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

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Monday 2nd June, 1941

No. 29,047

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

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)	1023·6	-8	NNE	3	z_o	55	66	6	5	–	–	4-6	4-6	2500
	Croydon	1023·3	-6	NE'E	2	z_o	55	75	5	1	–	–	9+	9+	2000
	S. Farnborough	1023·0	-10	ENE	3	z_o	60	65	6	–	–	–	0	0	–
	Boscombe Down	1022·6	-10	E	3	z_o	62	65	7	–	–	–	0	0	–
	Thorney Island	1022·4	-8	E	3	z_o	61	75	5	5	–	–	4-6	4-6	2500
	Lympne	1023·5	-2	ENE	2	c	52	75	7	5	–	–	9+	9+	1400
	Manston	1024·0	-2	NE'N	3	o/d	50	85	6	5	–	–	10	10	600
2	Shoeburyness	1024·0	-2	NNE	2	c	52	75	6	5	–	–	10	10	1500
	Felixstowe	1024·0	-2	E	3	o	50	85	7	5	–	–	10	10	1000
	Gorleston	1024·5	+2	N'E	3	c	50	75	7	5	–	–	10	10	1200
	Mildenhall	1024·1	-2	N	2	c	55	75	8	5	7	–	4-6	7-8	2000
	Cranwell	1025·2	-4	E	4	c	54	75	7	1	–	2	4-6	7-8	2000
3	Birmingham	1023·7	-2	ENE	3	bc	62	45	8	–	–	1	0	2-3	–
	Upper Heyford	1024·2	-2	NE'E	3	z_o	54	75	6	5	–	–	9+	9+	1000
4	Ross-on-Wye	1022·6	-6	ENE	3	b	65	55	7	–	–	1	0	1	–
5	Hartland Point	1021·8	-8	NE'N	3	bc	58	75	8	1	–	5	Tr	2-3	4000
	Bristol	1023·3	-6	ENE	2	b	68	65	8	1	4	–	1	1	2500
	Portland Bill	1021·3	-10	E	3	bc	54	72	7	5	–	–	2-3	2-3	2500
	Plymouth	1021·5	-6	E'S	4	bc	67	55	8	1	–	2	1	2-3	3000
	The Lizard	1021·2	0	ENE	3	bc	59	85	8	7	–	–	4-6	4-6	3500
	Scilly (St. Mary's)	1021·0	-4	NE'N	4	bc	58	85	7	–	–	3	0	4-6	–
	Guernsey														
6	Pembroke	1022·4	-4	N'W	3	bc	62	75	6	–	7	–	0	2-3	–
7	Holyhead	1023·7	0	WNW	2	z_o	60	85	6	–	–	2	0	9	–
	Chester (Sealand)		-8	NE	1	z_o		35	6	–	–	7	0	9+	–
8	Manchester	1023·3	-8	NE	3	z_o	71	45	6	–	–	2	0	7-8	–
10	Spurn Head	1025·4	+4	NNE	3	o	48	75	7	5	–	–	10	10	2500
	Catterick	1025·9	-2	NE'E	3	z_o	55	75	6	–	–	2	0	7-8	–
	Tynemouth	1027·1	+4	N	3	o	46	85	8	5	–	–	10	10	1000
11	St. Abbs Head	1027·1	0	NW	2	c	46	85	8	5	2	–	7-8	10	1000
	Leuchars	1027·2	+2	ESE	3	c	50	85	7	5	–	–	10	10	1500
12	Renfrew (Abbots L.)	1025·1	-4	NE'E	2	b	65	53	7	–	–	4	0	1	–
	Eskdalemuir	1024·2	-2	ENE	4	bc	66	45	8	2	–	1	1	2-3	4000
	Point of Ayre	1024·3	0	NE'N	1	c	58	85	6	–	–	6	0	7-8	–
13A	Tiree	1028·1	0	N	4	b	56	65	8	–	3	5	0	Tr	–
13B	Stornoway	1028·7	0	ENE	3	c	49	85	8	5	7	–	9	10	3000
15	Dalwhinnie	1026·5	+6	NE	3	bc	67	45	8	1	–	9	Tr	2-3	4000
	Aberdeen	1027·1	0	N	3	b	55	65	8	5	–	1	Tr	Tr	1300
	Wick	1027·7	+2	NE	2	c	47	85	7	5	2	–	7-8	10	1500
16	Lerwick	1027·1	0	N'E	4	c	48	85	8	5	2	–	7-8	10	1500
17	Blacksod Point	1027·1	+4	NNE	4	bc	57	85	7	–	4	–	0	2-3	–
18	Malin Head	1027·1	0	N'E	3	bc	51	75	8	1	–	1	2-3	4-6	5700
	Aldergrove	1025·3	-4	NNW	4	bc	63	55	8	–	–	3	0	4-6	–
19	Birr Castle	1023·7	-2	ENE	2	bc	74	55	8	–	–	5	0	4-6	–
20	Valentia Obsy. †	1023·2	-2	NE'N	3	c	73	65	8	8	–	1	7-8	7-8	4000
	Roches Point	1023·9	+4	E'S	3	bc	59	85	7	5	–	5	1	2-3	4000

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

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)	1022·4	-8	NE	3	z.	58	65	6	5	–	–	9+	9+	2500	1	*
	Croydon	1022·7	-6	ENE	2	c	55	75	7	7	3	–	4-6	7-8	3000	1	*
	S. Farnborough	1022·3	-2	ENE	3	z_o	58	65	6	4	–	–	7-8	7-8	3200	0	*
	Boscombe Down	1022·0	+2	E	3	z_o	59	75	6	5	–	–	2-3	2-3	2000	0	*
	Thorney Island	1021·2	-2	SSE	1	z_o	57	85	6	5	–	–	Tr	Tr	4000	0	
	Lympne	1022·3	-8	NNE	4	c	50	85	7	5			4-6	7-8	1200	1	§
	Manston	1023·2	+2	ENE	3	c	49	85	7	5	–	–	9+	10	1200	0	*
2	Shoeburyness	1023·2	-6	ENE	2	c	50	85	8	5	–	–	10	10	1500	1	*
	Felixstowe	1022·9	-10	E'N	4	b	51	75	7	5	–	–	1	1	1800	0	3
	Gorleston	1024·0	-2	NNE	3	c	49	75	7	5	–	–	10	10	1000	0	2
	Mildenhall	1023·3	-2	NE	3	bc	52	75	8	5	4	–	4-6	4-6	2000	0	*
	Cranwell	1024·6	-2	ENE	4	c	51	75	7	2	–	9	4-6	7-8	2000	0	*
3	Birmingham	1022·4	-4	ENE	3	b	62	45	8	–	–	1	0	2-3	–	1	*
	Upper Heyford	1022·7	-6	NE'E	3	z_o	57	65	6	1	1	1	Tr	2-3	2000	1	*
4	Ross-on-Wye	1021·2	-8	E	3	b	64	55	7	–	–	1	0	1	–	1	*
5	Hartland Point	1020·2	-2	NNE	3	bc	57	75	8	1	–	4	1	2-3	4000	0	5
	Bristol	1021·6	-6	ENE	4	b	63	55	8	–	–	4	0	1	–	0	*
	Portland Bill	1020·4	-8	E	2	f	50	92	3	5	–	–	10	10	<150	1	3
	Plymouth	1020·5	-6	SE	3	z_o	61	75	5	–	–	1	0	1	–	0	3
	The Lizard	1019·4	-8	ENE	4	bc	56	85	5	7	–	–	4-6	4-6	3500	0	3
	Scilly (St. Mary's)	1019·5	-12	NNE	5	bc	57	85	7	–	–	2	0	4-6	–	0	3
	Guernsey																
6	Pembroke	1021·0	-4	N'E	2	bc	66	65	7	–	7	–	0	2-3	–	0	2
7	Holyhead	1022·3	-16	WNW	3	z_o	55	92	6	–	–	2	0	4-6	–	1	1
	Chester (Sealand)	1022·5	0	NE	2	z_o	67	45	6	–	–	8	0	7-8	–	0	*
8	Manchester	1023·2	-2	ENE	3	z_o	66	55	6	–	9	2	0	9	–	0	*
10	Spurn Head	1024·9	-2	NNE	4	o	48	75	7	5	–	–	10	10	2500	0	4
	Catterick	1025·9	+4	NNE	3	c	50	75	7	5	–	4	9	9+	1200	0	
	Tynemouth	1026·8	+2	N	3	o	46	92	6	5	–	–	10	10	1000	1	3
11	St. Abbs Head	1026·7	-2	NNE	2	c	45	97	8	5	2	–	7-8	10	800	0	2
	Leuchars	1026·5	0	E	3	c	48	85	7	5	–	–	10	10	900	0	*
12	Renfrew (Abbots L.)	1025·2	0	E'S	4	bc	57	65	8	–	3	4	0	4-6	–	0	*
	Eskdalemuir	1024·7	+2	NE'E	3	c	58	65	8	–	3	4	0	7-8	–	0	*
	Point of Ayre	1023·4	-6	NW'N	2	c	59	85	8	1	3	2	Tr	9	4000	0	2
13A	Tiree	1025·7	-4	E'S	4	b	52	75	8	–	–	5	0	1	–	0	5
13B	Stornoway	1028·2	-2	NE	3	c	49	75	8	5	7	–	9	9+	2500	0	6
15	Dalwhinnie	*	+4	NE	3	bc	61	55	8	2	–	9	1	4-6	4000	0	*
	Aberdeen	1027·0	+2	NNE	3	c	51	75	8	5	–	1	7-8	7-8	1500	0	2
	Wick	1027·7	+2	N	2	c	47	75	8	5	2	–	7-8	10	1500	0	2
16	Lerwick	1027·6	+4	NNW	4	c	46	85	8	5	7	–	7-8	9	1500	0	*
17	Blacksod Point	1026·4	-6	N	5	bcq	55	85	7	–	–	3	0	2-3	–	0	5
18	Malin Head	1026·9	-2	N'E	2	bc	52	85	7	6	–	2	2-3	4-6	1500	0	2
	Aldergrove	1025·0	0	NNW	4	bc	60	65	8	1	–	2	Tr	4-6	7000	0	*
19	Birr Castle	1022·8	-2	ENE	2	bc	74	35	8	1	–	5	1	4-6	4000	0	*
20	Valentia Obsy. †	1023·2	-2	SSW	2	bc	63	75	8	7	–	1	4-6	4-6	4000	1	1
	Roches Point	1022·1	-12	S	2	bc	58	85	7	5	–	5	4-6	4-6	2500	0	2

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 1st (37)	13h.—18h. 1st (38)	18h.—1h. 1st to 2nd (39)	1h.—7h. 2nd (40)
1	London (Kew)	cidm$_o$bcz$_o$	bcz$_o$cz$_o$	cz$_o$cm$_o$	cm$_o$
	Croydon	oFcm$_o$	cz$_o$bcz$_o$	bcb,cm$_o$	cm$_o$c
	S. Farnborough	d$_o$fmobz$_o$	bz$_o$c	bccm$_o$	jmc
	Boscombe Down	Ffocbm$_o$	bz$_o$	bcz$_o$bbcm$_o$	cm$_o$
	Thorney Island	om$_o$cm$_o$	c,bm$_o$	bm$_o$cm$_o$	cm$_o$c
	Lympne	omm$_o$cm$_o$c	c	ccm$_o$	c
	Manston	ocid$_o$m$_o$	cd$_o$d$_o$m$_o$	ccbccm$_o$	cm$_o$c
2	Shoeburyness	cm$_o$	cm$_o$	ccm$_o$	cm$_o$c
	Felixstowe	oid$_o$m$_o$o	ob	b,o	o
	Gorleston	c	c	c	coid$_o$
	Mildenhall	od$_o$d$_o$cbc	bc	om$_o$	om$_o$oc
	Cranwell	c	cbcc	c	cod$_o$d$_o$
3	Birmingham	f	bbc	bcc	c
	Upper Heyford	cm$_o$cz$_o$	cbz$_o$	bz$_o$m$_o$cm$_o$	cm$_o$
4	Ross-on-Wye	bczby	by	b	ccc
5	Hartland Point	bc	bc	bcbbc	c
	Bristol	ofcm$_o$bcb	by	bz$_o$cm$_o$w	cm$_o$wc
	Portland Bill	bc	bcoff	bcc	c
	Plymouth	bc,y	bybm$_o$	bm	bm$_o$cm$_o$
	The Lizard	bc	bc	bczw	c
	Scilly (St. Mary's)	cbc	bc	bcbw	cw
	Guernsey				
6	Pembroke	bcm$_o$	bcz$_o$	bc	bcc
7	Holyhead	z$_o$m$_o$c ⊕	mcbc ⊕	m$_o$wqbc	m$_o$wqcbc
	Chester (Sealand)	ccz$_o$ ⊕	bcz$_o$y	bccbczw	bccm$_o$wo
8	Manchester	cz$_o$y	czoy	bcz$_o$	bcm$_o$cm$_o$
10	Spurn Head	o	o	od$_o$	od$_o$d$_o$
	Catterick	ofcz$_o$	cbcz$_o$c	cm$_o$cidm$_o$	mod$_o$d$_o$m$_o$
	Tynemouth	⊙	o	o	o
11	St. Abbs Head	c	c	cd$_o$	id$_o$c
	Leuchars	c	c	cid$_o$cm$_o$	cm$_o$id$_o$c
12	Renfrew (Abbots L.)	bcbz$_o$by	bc	bcycm$_o$	cm$_o$eid$_o$m$_o$
	Eskdalemuir	bcby	bc	bccm$_o$	cwcm$_o$
	Point of Ayre	bccz	bccz$_o$c	bcbz$_o$b	bcc
13A	Tiree	b	b	b	b
13B	Stornoway	c	c	c	cb
15	Dalwhinnie	bcy	bc	*	bco
	Aberdeen	cb	bc	c	ccid$_o$
	Wick	c	c	c	cpr$_o$c
16	Lerwick	c	bc	cid$_o$	c
17	Blacksod Point	bc	bcq	cq	cq
18	Malin Head	bc	bcbc	bcbc	c
	Aldergrove	bc	bcybc	bcbbw	bcwbwcm$_o$
19	Birr Castle	bcy	bcy	bc	bcc
20	Valentia Obsy. †	bcy	cpr$_o$cbc	ccwbcw	bcwbc
	Roches Point	bc	bbc	bz$_o$w	bcb

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.

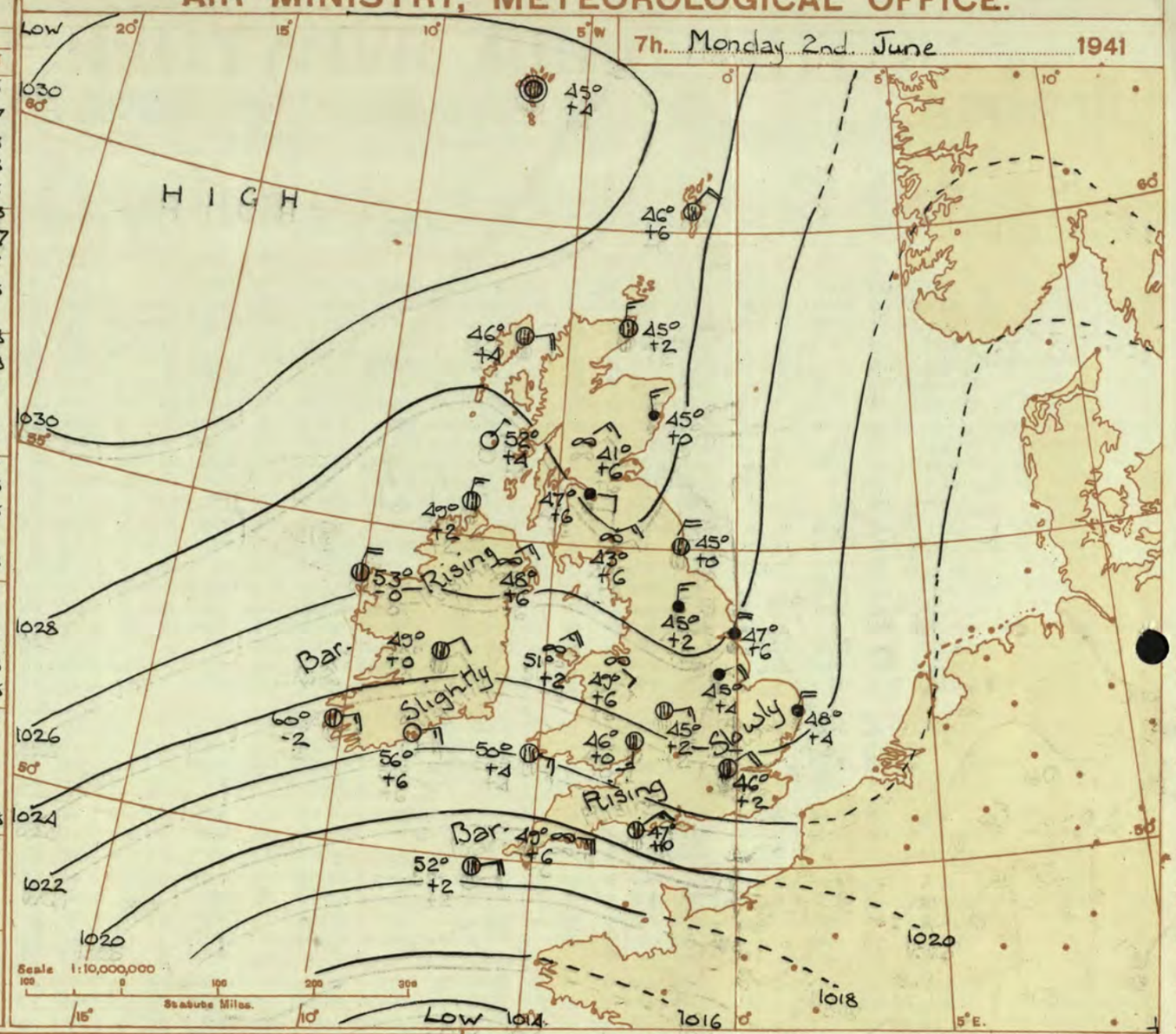
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

AIR MINISTRY, METEOROLOGICAL OFFICE.

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 1st June			18h. G.M.T.			01h. G.M.T. 2nd June			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 5-	03848	32228	5-	03848	30328	5-	51748	30328	5-	21746	02366
115 52	02844	02227	52	02745	08227	52	00378	08328	52	81734	08487
203 5-	02938	02328				5-	03838	06418	5-	01853	32413
206 5-	02848	22258	5-	02866	10327	5-	02748	02128	5-	51848	07258
210 5-	21848	00058	5-	02848	05228	5-	02748	04228	5-	51848	02158
220 53	01953	31404	50	02856	25300				50	01943	06503
230 00	00890	22101	00	00900	24453	00	00890	08201	5-	02967	06027
245 50	00742	11313	5-	02746	08326	5-	02757	02327	5-	21847	01357
260 50	00741	04204	5-	02735	06415	5-	05648	08258	5-	25638	04258
277											
279 10	01951	06213	17	02862	06315				5-	02858	06428
285									5-	03538	02328
288 5-	05637	04327	5-	05648	04328	5-	52528	01258	5-	54525	01358
273											
301 00	05690	26226	10	02761	08326	00	05690	08414	5-	05636	10426
321 1-	01754	26114	00	01890	06414	5-	51638	02328	5-	51848	04358
299			5-	03748	30428	5-	05648	30458	5-	51648	30558
292 04	02790	28415	50	01862	04313	5-	05638	32328	5-	52738	01258
310											
316 00	05690	06214	00	01790	04314	5-	05638	04328	5-	51638	03458
333 00	05690	26313	00	01890	01414	00	05690	16214	00	01790	04313
334											
340 00	05690	04216	00	05690	09314	5-	05644	08325	5-	05648	06358
136 5-	02748	02428	5-	02748	03328	5-	02748	04328	5-	61638	03468
336									53	02763	04328
350 5-	05638	32428	50	01753	02413	5-	05638	04428	5-	02738	02428
368 10	05651	17101							5-	02747	07527
379			00	05690	02303				5-	02748	04428
390 5-	02647	04228	70	01755	12115	5-	05548	04328	5-	02748	04428
382 50	05654	06314	00	00790	06302	5-	05648	04328	5-	02848	05428
438											
430 50	05543	06313	00	05554	09324	5-	05642	02312	80	05652	06428
409 20	05754	01414	10	05651	03314	00	05590	06110	5-	05635	09217

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 2nd June
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Moderate northeast wind. Mainly cloudy; local drizzle near East coast: cool.
5 S.W. England 6 South Wales ...	Moderate or fresh east wind, strong locally on coast. Cloudy, perhaps rain later; cool.
7 North Wales ... 8 N.W. England	Moderate east wind. Cloudy; bright intervals, especially in West: rather cool.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light or moderate northeast or north wind. Cloudy or dull; local drizzle: cool.
12 S.W. Scotland & Isle of Man.	As 6-8.
13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland	Light east wind. Fair; rather warm during day.
15 N. E. Scotland 16 Orkneys and Shetlands	As 9-11
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light or moderate northeast wind. Fair; cooler than of late.

GENERAL INFERENCE.

Pressure is high from east of the Azores to the Faeroes and a small depression north of Corunna is almost stationary, though it is spreading very slightly north and may effect Southwest England.

FURTHER OUTLOOK.

General conditions similar.

Warm front.
Cold front.
Occlusion.

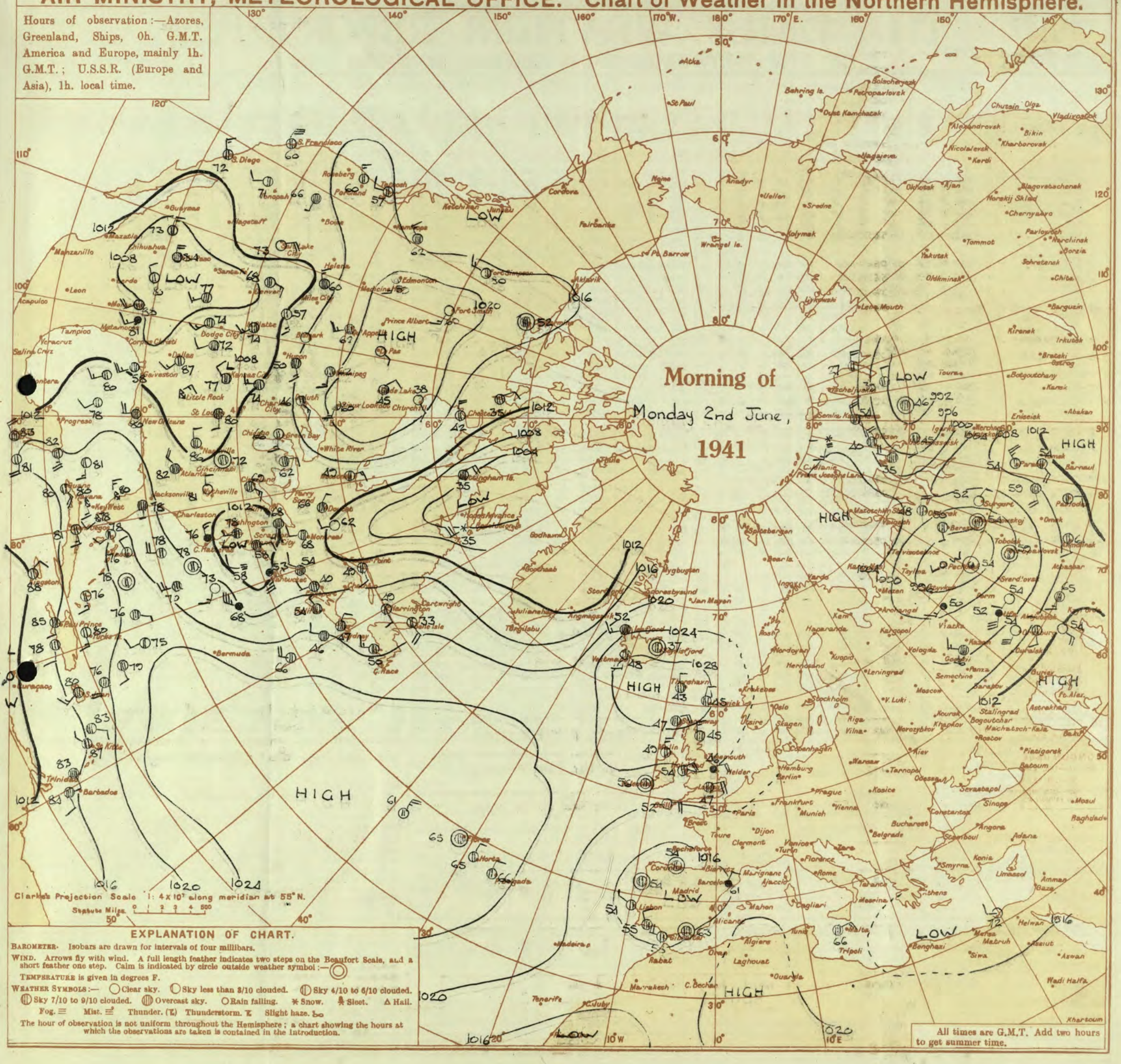
Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.
G.266.Wt.8176.D.6034.Gp.943.9360.5/41

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 2nd June, 1941

No. 29,047.

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

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	1023·0	+4	ENE	4	c	47	85	6	5	–	–	10	10	800
	S. Farnborough	226	1023·0	+6	ENE	2	z_0	48	85	6	5	–	–	10	10	600
	Boscombe Down	417	1022·7	+2	NE	3	z_0	47	85	6	5	–	–	10	10	600
	Thorney Island	10	1021·7	+2	NNE	3	z_0	49	85	5	5	–	–	7-8	7-8	1500
	Lympne ...	346	1022·8	+2	NE	3	c	45	85	7	5	–	–	10	10	1000
	Manston ...	154	1023·1	+2	NE'N	3	z_0	46	85	6	5	–	–	10	10	1100
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1023·5	+2	NNE	2	o	47	85	7	5	–	–	10	10	1600
	Gorleston ...	5	1024·3	+2	NE'N	4	c	47	75	6	5	–	–	10	10	1500
	Mildenhall ...	19	1024·3	+6	NE	3	z_0	46	85	6	5	–	–	10	10	1000
	Cranwell ...	240	1025·4	-2	NE'E	4	c	45	85	6	5	–	–	10	10	800
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1024·0	+6	NE	3	z_0	44	92	6	5	–	–	10	10	900
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1020·7	+4	ENE	4	bc	54	75	7	5	–	–	2-3	2-3	2500
	Bristol ...	209	1023·4	+10	ENE	3	z_0	44	85	6	5	–	–	9	9	1000
	Portland Bill ...	32	1021·2	-6	E	3	c	49	92	7	5	–	–	10	10	2500
	Plymouth ...	82	1021·1	+2	E	3	z_0	51	92	5	–		–	0	Tr	–
	The Lizard ...	240	1019·8	+2	ENE	5	bc	51	97	5	4	–	–	4-6	4-6	2500
	Scilly (St. Mary's)	163	1019·7	0	E	4	b	52	97	5	–	–	–	0	0	–
	Guernsey ...	175														
6	Pembroke ...	142	1022·5	+10	ESE	3	bc	52	92	6	–	3	–	0	2-3	–
7	Holyhead ...	26	1022·6	0	NE'E	4	bc q	54	85	5	5	–	1	2-3	2-3	5700
	Chester (Sealand)	16	1024·8	+10	E	3	z_0	50	85	6	–	–	8	0	4-6	–
8	Manchester ...	70	1025·4	+10	NE	4	z_0	47	85	5	–	9	–	0	7-8	–
10	Spurn Head ...	29	1025·0	-4	NE'E	4	d_0d_0	46	92	6	5	–	–	10	10	800
	Catterick ...	175	1027·3	+6	N	3	id_0	45	97	4	5	–	–	10	10	400
	Tynemouth ...	108	1027·1	+2	NNE	3	o	45	92	6	5	–	–	10	10	800
11	St. Abbs Head	280	1027·9	+2	NNE	2	d_0d_0	43	97	7	5	2	–	9	10	800
	Leuchars ...	36	1028·0	+4	ESE	3	c	46	85	6	5	–	–	10	10	800
12	Renfrew (Abbots L.)	19	1027·5	+6	E	3	z_0	47	92	5	5	–	–	10	10	500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1024·9	+18	E'N	4	b	49	97	6	–	–	–	0	0	–
13A	Tiree	22	1025·9	9	N	3	b	47	85	8	–	–	5	0	Tr	–
13B	Stornoway ...	80	1029·0	+2	ENE	4	c	47	85	8	5	7	–	9	10	2200
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1028·7	+4	NNW	2	c	45	85	7	5	2	–	7-8	10	1500
16	Lerwick ...	156	1028·2	+6	NE	4	c	45	85	8	5	2	–	7-8	10	1500
17	Blacksod Point	18	1026·9	-8	N'E	5	cq	52	85	7	5	–	–	9+	9+	2500
18	Malin Head ...	84	1027·0	0	N	3	bc	49	85	8	4	–	–	4-6	4-6	5700
	Aldergrove ...	268	1026·3	+2	N	3	b	45	92	8	–	4	1	0	1	–
19	Birr Castle ...	173	1024·2	+6	NE	1	bc	53	85	8	–	4	–	0	2-3	–
20	Valentia Obsy.	30	1022·9	-4	–	0	bc	56	85	9	–	–	2	0	4-6	–
	Roches Point	22	1021·8	-2	N	3	bc	53	97	6	5			1	2-3	2500

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

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	+4	NE	4	z_0	47	75	6	5	–	–	10	10	2500	1	*
	Croydon ...	1023·3	+4	NE	4	c	46	85	7	5	–	–	10	10	900	1	*
	S. Farnborough	1023·2	+2	NE	3	z_0	46	75	6	5	–	–	10	10	1400	0	*
	Boscombe Down	1023·1	+2	NE	3	c	45	85	7	5	–	–	10	10	1200	0	*
	Thorney Island	1021·9	+2	NE'N	4	c	48	75	7	5	–	7	Tr	9+	2500	0	
	Lympne ...	1022·7	+2	NNE	3	c	47	85	7	5	7	2	7-8	9	1200	1	§
	Manston ...	1022·8	+2	NE'N	3	c	48	85	7	5	–	–	10	10	1500	0	*
2	Shoeburyness ...	1023·5	+2	NE'N	3	c	48	85	7	5	–	–	10	10	1500	1	*
	Felixstowe ...	1023·7	+2	NE'N	3	o	48	75	7	5	–	–	10	10	1800	0	2
	Gorleston ...	1024·2	+4	NNE	4	d_0	48	85	7	6	–	–	10	10	700	1	3
	Mildenhall ...	1024·0	+2	NE	3	c	47	85	8	5	–	–	10	10	1500	0	*
	Cranwell ...	1025·8	+4	NE'E	4	d_0d_0	45	97	7	5	–	–	10	10	700	1	*
3	Birmingham ...	1024·6	+2	ENE	3	c	49	85	6	6	–	–	10	10	800	1	*
	Upper Heyford	1023·9	+2	NE	4	z_0	46	85	6	5	–	–	10	10	1100	1	*
4	Ross-on-Wye	1024·1	0	S	3	c	46	85	8	5	–	–	10	10	1500	1	*
5	Hartland Point	1020·9	+8	ENE	4	c	47	85	7	5	4	2	4-6	7-8	1500	0	3
	Bristol ...	1023·7	+4	NE'E	4	c	45	85	7	5	–	–	10	10	1800	0	*
	Portland Bill ...	1021·5	+10	NE	4	c	47	92	8	5	–	–	7-8	7-8	2500	1	4
	Plymouth ...	1021·3	+6	E	5	z_0	49	85	6	5	–	–	7-8	7-8	1800	0	3
	The Lizard ...	1018·8	+4	ENE	6	c	51	92	7	8	2	–	7-8	9+	1500	0	5
	Scilly (St. Mary's)	1019·4	+2	ENE	4	c	52	92	6	5	7	–	7-8	10	1500	0	3
	Guernsey ...																
6	Pembroke ...	1022·5	+4	SE'E	3	c	50	85	7	8	–	–	9+	9+	3000	0	2
7	Holyhead ...	1026·2	+2	NE'E	3	z_0	51	85	6	–	–	2	0	4-6	–	1	4
	Chester (Sealand)	1025·5	+6	SE	1	z_0	49	85	6	5	–	–	10	10	1700	0	*
8	Manchester ...	1026·0	+10	NE'E	4	z_0	47	85	6	5	–	–	10	10	1000	0	*
10	Spurn Head ...	1025·5	+6	NNE	4	d_0d_0	47	92	6	–	2	–	10	10	800	1	4
	Catterick ...	1027·5	+2	N	3	id_0	45	92	6	5	–	–	10	10	500	0	*
	Tynemouth ...	1027·5	0	NNE	4	o	45	92	7	5	–	–	10	10	1000	1	3
11	St. Abbs Head	1028·0	+2	NNE	2	d_0d_0	43	97	8	5	2	–	9	10	800	1	2
	Leuchars ...	1028·3	+6	ENE	3	c	47	75	8	5	–	–	9+	9+	2200	0	*
12	Renfrew (Abbots L.)	1028·2	+6	E	2	id_0	47	85	6	5	–	–	10	10	1200	0	*
	Eskdalemuir ...	1027·9	+6	NE'E	3	z_0	43	85	6	5	–	–	10	10	800	0	*
	Point of Ayre ...	1026·1	+6	E'N	4	c	47	92	7	5	7	–	9+	10	1000	0	4
13A	Tiree	1026·6	+4	NE'N	1	b	52	85	8	–	–	–	0	0	–	0	2
13B	Stornoway ...	1029·0	+4	ENE	4	c	46	85	8	5	7	–	9	10	2000	1	2
15	Dalwhinnie ...	1028·5	+6	NE	3	z_0	41	85	6	5	–	–	10	10	800	0	*
	Aberdeen ...	1028·6	0	N'W	3	id_0	45	92	8	5	–	–	10	10	1500	0	3
	Wick ...	1029·3	+2	N	3	c	45	85	8	5	7	–	7-8	9+	1500	1	2
16	Lerwick ...	1029·0	+6	NE'N	4	c	46	75	8	5	7	–	7-8	9+	1500	1	*
17	Blacksod Point	1026·4	0	NNE	4	bcq	53	75	8	5	–	–	4-6	4-6	2500	0	4
18	Malin Head ...	1026·5	+2	NNE	3	c	49	85	8	2	6	–	4-6	7-8	5700	0	1
	Aldergrove ...	1027·2	+6	NE	3	z_0	48	85	6	5	–	–	9+	9+	700	0	*
19	Birr Castle ...	1024·9	0	NE	2	c	49	85	8	5	1	–	7-8	10	2500	0	*
20	Valentia Obsy.	1022·2	-2	ENE	3	bc	60	85	8	1	–	4	Tr	4-6	4000	1	3
	Roches Point	1022·3	+6	ENE	3	b	56	85	8	–	–	–	0	0	–	0	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 1st Hrs. (36)
1	London (Kew)	58	45	45	Tr	–	6·6
	Croydon ...	57	44	43	0·1	–	5·6
	S. Farnborough	62	45	44	Tr	–	6·1
	Boscombe Down	65	(45)	42	–	–	8·7
	Thorney Island	61	45	38	–	–	*
	Lympne ...	53	44	41	–	–	2·7
	Manston ...	51	45	41	Tr	Tr	*
2	Shoeburyness ...	53	45	43	–	–	0·2
	Felixstowe ...	53	46	43	Tr	–	4·6
	Gorleston ...	50	46	45	Tr	Tr	*
	Mildenhall ...	60	45	44	Tr	–	7·4
	Cranwell ...	56	45	45	–	0·1	7·6
3	Birmingham ...	66	43	43	*	–	11·1
	Upper Heyford	59	43	41	–	–	*
4	Ross-on-Wye	67	44	44	–	–	13·3
5	Hartland Point	61	46	45	–	–	14·2
	Bristol ...	68	44	39	–	–	10·0
	Portland Bill ...	54	45	*	–	–	*
	Plymouth ...	69	48	46	–	–	13·4
	The Lizard ...	60	49	*	–	–	11·7
	Scilly (St. Mary's)	60	50	*	–	–	11·0
	Guernsey ...						
6	Pembroke ...	68	48	*	–	–	12·1
7	Holyhead ...	65	48	46	–	–	12·1
	Chester (Sealand)	72	45	42	–	–	11·7
8	Manchester ...	71	47	42	–	–	9·3
10	Spurn Head ...	50	45	*	–	0·1	0·0
	Catterick ...	55	43	43	–	Tr	8·8
	Tynemouth ...	47	44	44	–	–	*
11	St. Abbs Head	47	42	*	–	0·2	*
	Leuchars ...	51	45	46	–	0·1	2·3
12	Renfrew (Abbots L.)	66	46	45	–	Tr	13·3
	Eskdalemuir ...	67	41	41	–	–	12·3
	Point of Ayre ...	61	46	*	–	–	11·4
13A	Tiree	58	47	*	–	–	15·8
13B	Stornoway ...	50	40	*	–	–	0·1
15	Dalwhinnie ...	68	40	37	–	–	14·4
	Aberdeen ...	57	44	43	–	Tr	8·7
	Wick ...	48	43	*	–	0·1	*
16	Lerwick ...	49	43	*	–	Tr	0·1
17	Blacksod Point	59	50	*	–	–	*
18	Malin Head ...	53	46	*	–	–	12·8
	Aldergrove ...	67	41	37	–	–	13·0
19	Birr Castle ...	77	46	44	–	–	14·6
20	Valentia Obsy.	73	55	48	Tr	7	10·3
	Roches Point	63	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.
Kew ...	18	$cidm_0bcz_0$	bcz_0cz_0	$cz_0cm_0cm_0$	58	45	45	Tr	–	6·6	*	*	6
Croydon ...	217	cfm_0	cz_0bcz_0	bcb,cm_0	57	44	43	0·1	–	5·6	*	*	6
Greenwich (Royal Observatory) ...	149	c	c	bcc	57	44	44	–	–	2·6	74	76	7
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	58	45	45	–			87	77	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*									*
Camden Square ...	110	o	c	*	60	45	44	–	–	*	*	74	*
Kensington ...	80	bc	bc	*	60	45	44	–	–		73	77	*
Hampstead Observatory ...	450	o	bc	o	56	46	45	–	–		*	74	*

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.
0·2	18-24h 1st	<0·1	0-5h 2nd

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

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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.

SECRET

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 3rd June 1941

No. 29,048

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

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	-8	NE'E	4	z$_o$	53	65	6	5	2	-	9	10	1500
	Croydon ...	1022.4	-8	NE'N	5	c	50	75	7	5	-	-	10	10	2000
	S. Farnborough	1022.1	-8	NE	4	c	53	65	7	5	-	-	10	10	2200
	Boscombe Down	1022.5	-2	NE	4	c	52	75	7	5	-	7	7-8	10	3000
	Thorney Island	1020.9	-10	NE	3	z$_o$	56	65	5	-	1	-	0	10	-
	Lympne ...	1021.5	-6	NNE	5	c	51	85	8	5	3	2	7-8	9	1500
	Manston ...	1022.3	-6	NE'N	4	c	50	75	7	5	-	-	10	10	1300
2	Shoeburyness ...	1023.0	-2	NE'N	3	c	51	85	8	5	-	-	10	10	1500
	Felixstowe ...	1023.2	-2	NE'E	4	o	51	75	8	5	-	-	10	10	2200
	Gorleston ...	1024.8	-6	NE'N	4	c	49	75	7	5	-	-	10	10	1800
	Mildenhall ...	1023.7	-6	NNE	3	c	51	75	8	5	-	-	10	10	2000
	Cranwell ...	1025.8	-2	NE	5	c	49	92	8	5	-	-	10	10	1500
3	Birmingham	1024.8	-2	ENE	3	o	48	85	5	5	-	-	10	10	450
	Upper Heyford	1023.7	-4	NNE	5	c	48	85	6	5	-	-	10	10	800
4	Ross-on-Wye ...	1023.8	-6	NE	4	z$_o$	49	85	6	5	-	-	10	10	1500
5	Hartland Point	1020.1	-8	NE	4	bc	55	75	7	1	4	8	1	4-6	4000
	Bristol ...	1022.9	-6	ENE	4	c	53	65	7	5	-	-	9+	9+	1800
	Portland Bill ...	1020.8	-6	ENE	3	c	53	85	8	5	2	-	7-8	10	2500
	Plymouth ...	1020.3	-6	ESE	4	c	60	65	7	-	3	3	0	7-8	-
	The Lizard ...	1018.7	0	E	6	c	51	85	8	8	6	-	7-8	9+	2500
	Scilly (St. Mary's)	1019.8	-2	E	4	c	54	85	6	5	2	-	7-8	10	1500
	Guernsey ...														
6	Pembroke ...	1021.7	-4	SE'S	1	bc	58	65	7	7	7	-	1	4-6	4000
7	Holyhead ...	1023.8	+2	NE	6	z$_o$	56	85	5	-	-	4	0	2-3	-
	Chester (Sealand)	1025.1	-6	E	2	z$_o$	55	65	5	5	-	-	9+	9+	1500
8	Manchester ...	1025.9	-2	NE'N	4	z$_o$	51	75	6	5	-	-	10	10	1800
10	Spurn Head ...	1025.2	0	NNE	4	o	48	85	7	5	-	-	10	10	1500
	Catterick ...	1027.3	-4	N'W	3	o	48	85	7	5	-	-	10	10	900
	Tynemouth ...	1027.8	0	NNE	5	c/d	46	92	7	-	2	-	10	10	500
11	St. Abbs Head	1028.6	0	N	2	c	45	85	9	5	2	-	9	9+	2000
	Leuchars ...	1029.1	+2	SE	5	c	49	85	8	5	-	-	9+	9+	1800
12	Renfrew (Abbots I.)	1028.2	0	ESE	3	c	53	75	7	5	-	-	9+	9+	2500
	Eskdalemuir ...	1027.9	+2	ENE	4	c	48	85	8	5	-	-	10	10	1500
	Point of Ayre ...	1026.3	0	ENE	4	b	55	85	8	1	-	-	Tr	Tr	2000
13A	Tiree ...	1027.5	+2	NNE	2	b	55	65	8	1	-	-	Tr	Tr	3500
13B	Stornoway ...	1030.6	+6	ENE	5	c	50	85	8	5	7	-	7-8	9+	2500
15	Dalwhinnie ...	1029.4	0	NE	3	b	54	65	8	1	-	8	Tr	1	4000
	Aberdeen ...	1029.0	+2	N'W	3	bc	53	65	8	5	-	-	4-6	4-6	2200
	Wick ...	1030.1	+6	NE	3	c	47	75	8	5	2	-	9	10	1500
16	Lerwick...	1029.5	0	NE	4	bc	49	75	8	5	4	1	4-6	4-6	2500
17	Blacksod Point..	1026.0	-6	N	5	b	57	75	8	-	-	-	0	0	-
18	Malin Head ...	1026.8	+2	ENE	2	z$_o$	51	85	6	-	-	-	0	0	-
	Aldergrove ...	1026.3	-2	NE'E	3	bc	58	65	7	1	-	-	2-3	2-3	2500
19	Birr Castle ...	1024.1	-2	ESE	2	c	62	75	8	5	-	8	7-8	9	2500
20	Valentia Obsy. †	1021.9	0	NE	4	bc	68	65	8	7	3	1	1	2-3	4000
	Roches Point ...	1022.5	+6	E	4	bc	57	75	8	-	-	5	0	2-3	-

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

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)...	1021.1	-10	NE'N	4	c	54	65	7	5	7	-	7-8	9+	1500	1	*
	Croydon ...	1021.0	-8	NE'E	5	c	52	75	7	5	5	-	2-3	7-8	2000	1	*
	S. Farnborough	1020.9	-6	NE	4	c	53	75	7	5	-	-	10	10	3000	0	*
	Boscombe Down	1021.3	-2	NE	4	c	51	75	7	5	-	-	10	10	2000	0	*
	Thorney Island	1020.1	-4	NE'E	4	z$_o$	55	75	6	-	7	-	0	10	-	0	
	Lympne ...	1020.8	-4	NNE	5	c	47	85	8	5	-	-	9+	9+	800	0	§
	Manston ...	1021.4	-4	NE	4	o	47	75	8	5	-	-	10	10	1500	0	*
2	Shoeburyness ...	1021.8	-8	NE	4	c	50	75	8	5	7	-	4-6	7-8	1200	1	*
	Felixstowe ...	1022.6	-2	NE	4	c	50	75	7	5	3	-	9+	9+	1900	0	3
	Gorleston ...	1022.9	-4	NNE	5	c	50	75	7	5	-	-	9	9	2000	0	4
	Mildenhall ...	1022.7	-6	NE'N	4	c	50	75	8	5	3	-	7-8	9	1500	0	*
	Cranwell ...	1024.8	-6	NE	5	o	47	85	8	5	-	-	10	10	1500	0	*
3	Birmingham	1023.9	-6	NE	4	c	49	75	6	5	-	-	9+	9+	800	1	*
	Upper Heyford	1022.5	-6	NE'N	5	c	50	75	7	5	3	-	7-8	9+	1000	1	*
4	Ross-on-Wye ...	1022.6	-10	ENE	3	c	51	75	7	5	-	-	10	10	1500	0	*
5	Hartland Point	1019.6	-4	NE	4	c	52	85	7	5	4	6	4-6	7-8	2500	0	4
	Bristol ...	1022.1	0	NE	4	c	52	75	7	5	3	-	7-8	9+	3000	0	*
	Portland Bill ...	1019.4	-8	E	3	c	53	92	8	5	2	-	7-8	10	2500	1	3
	Plymouth ...	1020.3	0	ESE	4	c	59	65	8	1	-	3	1	7-8	3000	0	3
	The Lizard ...	1018.8	0	E'N	4	bc	55	85	8	2	6	-	4-6	4-6	2500	0	4
	Scilly (St. Mary's)	1019.4	-2	E	3	c	53	85	7	5	4	-	4-6	7-8	1500	0	4
	Guernsey ...																
6	Pembroke ...	1021.1	-4	SE	1	c	53	85	7	5	7	-	2-3	7-8	4200	0	3
7	Holyhead ...	1023.6	-2	NNE	4	z$_o$	53	85	6	-	-	9	0	7-8	-	1	4
	Chester (Sealand)	1024.1	-6	NE	4	z$_o$	54	65	6	5	-	-	4-6	4-6	1500	0	*
8	Manchester ...	[illegible]	-6	NE	4	z$_o$	51	75	6	5	3	-	4-6	4-6	3000	0	*
10	Spurn Head ...	1024.7	-2	NNE	5	o	48	85	7	5	-	-	10	10	2500	0	4
	Catterick ...	1026.4	-2	N	3	z$_o$	47	75	6	5	-	-	10	10	800	0	
	Tynemouth ...	1027.1	-2	NNE	4	c	47	85	7	8	-	-	9	9	2200	1	3
11	St. Abbs Head	1027.9	-4	NE	3	bc	47	75	9	4	4	-	1	2-3	2500	1	2
	Leuchars ...	1028.1	-6	ESE	4	bc	50	75	8	5	-	5	1	2-3	3200	0	*
12	Renfrew (Abbots I.)	1027.0	-8	E	3	bc	56	75	7	1	-	5	Tr	2-3	3500	0	*
	Eskdalemuir ...	1026.7	-8	ENE	4	bc	50	65	8	7	4	-	2-3	4-6	2500	0	*
	Point of Ayre ...	1025.2	-4	ENE	4	b	53	85	8	1	-	5	Tr	1	2000	0	4
13A	Tiree ...	1025.5	+10	N	2	b	54	75	8	-	-	5	0	Tr	-	0	2
13B	Stornoway ...	1029.2	-6	NE	5	bc	48	85	8	1	4	6	Tr	4-6	3000	0	3
15	Dalwhinnie ...	1028.5	-6	NE	3	bc	57	55	8	1	-	1	Tr	2-3	4000	0	*
	Aberdeen ...	1028.5	-2	N	3	b	52	65	8	5	-	9	Tr	Tr	2500	0	3
	Wick ...	1029.6	-4	NE	3	bc	48	75	8	5	-	1	4-6	4-6	2500	0	2
16	Lerwick...	1029.9	+2	NE	4	bc	47	75	8	5	3	-	4-6	4-6	2500	0	*
17	Blacksod Point..	1024.6	-10	N'E	5	b	57	85	8	-	-	-	0	0	-	0	4
18	Malin Head ...	1026.3	-4	ENE	2	b	51	92	6	-	·		0	1	-	0	0
	Aldergrove ...	1025.8	-8	NE	3	c	59	65	6	5	-	-	7-8	7-8	3500	0	*
19	Birr Castle ...	1023.7	-2	ENE	3	c	62	65	8	-	3	5	0	7-8	-	0	*
20	Valentia Obsy. †	1021.5	0	SW	3	c	63	65	8	5	-	-	7-8	7-8	4000	0	3
	Roches Point ...	1022.2	-4	E'S	4	b	56	75	8	-	-	-	0	0	-	0	3

PAST 24 HOURS.

District	Stations	Weather 7h.—13h. 2nd (37)	Weather 13h.—18h. 2nd (38)	Weather 18h. 2nd to 1h. 3rd (39)	Weather 1h.—7h. 3rd (40)
1	London (Kew)...	cm$_o$z$_o$	cz$_o$c	c	ccm$_o$
	Croydon ...	cm$_o$c	c	c	cir$_o$
	S. Farnborough	z$_o$c	z$_o$c	cz$_o$	cz$_o$d$_o$c
	Boscombe Down	c	c	c	cpr$_o$c
	Thorney Island	com$_o$	om$_o$cm$_o$	cm$_o$ir$_o$om$_o$	ir$_o$or$_o$r$_o$
	Lympne ...	c⊕c	c	cir$_o$r$_o$r$_o$	cir$_o$c
	Manston ...	c	c	cm$_o$	cm$_o$ir$_o$c
2	Shoeburyness ...	c	c	cm$_o$	cm$_o$c
	Felixstowe ...	o	oc	c	c
	Gorleston ...	c	c	c	c
	Mildenhall ...	ccir$_o$c	c	c	ccid$_o$r$_o$c
	Cranwell ...	od$_o$d$_o$	c	c	cod$_o$d$_o$
3	Birmingham	c	c	c	cmd$_o$o
	Upper Heyford	cm$_o$cid$_o$,cm$_o$	cm$_o$c	c	cqid$_o$
4	Ross-on-Wye ...	c	ozcc	c	c
5	Hartland Point	cbc	bcc	c	bc
	Bristol ...	c	c	ccm$_o$	cm$_o$c
	Portland Bill ...	co	co	prr	prr
	Plymouth ...	bc	bc	bcc	r
	The Lizard ...	c	cbc	bcc	d
	Scilly (St. Mary's)	c	c	c,b,c	r
	Guernsey ...				
6	Pembroke ...	bc	c	bcm$_o$	bc
7	Holyhead ...	bcqm$_o$c	bm$_o$bc	m$_o$bc	m$_o$bbc
	Chester (Sealand)	cz$_o$	cbcz$_o$	bcbbcz$_o$w	bcmwc
8	Manchester ...	cm$_o$	cz$_o$bcz$_o$	cz$_o$bbcz$_o$	cz$_o$m$_o$
10	Spurn Head ...	oido	o	omid	omd$_o$
	Catterick ...	oid$_o$m$_o$o	om$_o$om$_o$	z$_o$cz$_o$om$_o$	pm$_o$ddm
	Tynemouth ...	oid$_o$	oc	c	coid$_o$
11	St. Abbs Head	d$_o$c	cbc	c	co
	Leuchars ...	c	cbcb	bw	bwbcc
12	Renfrew (Abbots I.)	cid$_o$cm$_o$c	bcbz$_o$bc	bccm$_o$	cm$_o$bcc
	Eskdalemuir ...	cid$_o$c	cbc	bcb	bbcc
	Point of Ayre ...	b	b	b	bbc
13A	Tiree ...	bwb	b	bbc	b
13B	Stornoway ...	c	cbc	b	bc
15	Dalwhinnie ...	obc	bcy		bco
	Aberdeen ...	id$_o$r$_o$c	bcyb	bbc	bcc
	Wick ...	cpr$_o$c	cbc	bcc	co
16	Lerwick...	cbc	bc	bcc	c
17	Blacksod Point..	b	b	b	b
18	Malin Head ...	bcz$_o$zb	bc	bc	bc
	Aldergrove ...	bc	bvbbcm$_o$	bm$_o$	bcb m$_o$b
19	Birr Castle ...	c	bcc	bcb	c
20	Valentia Obsy. †	bcb	bbcc	m$_o$cwbcw	bcwcwc
	Roches Point ...	bcb	bcb	bcz$_o$w	cz$_o$

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.*

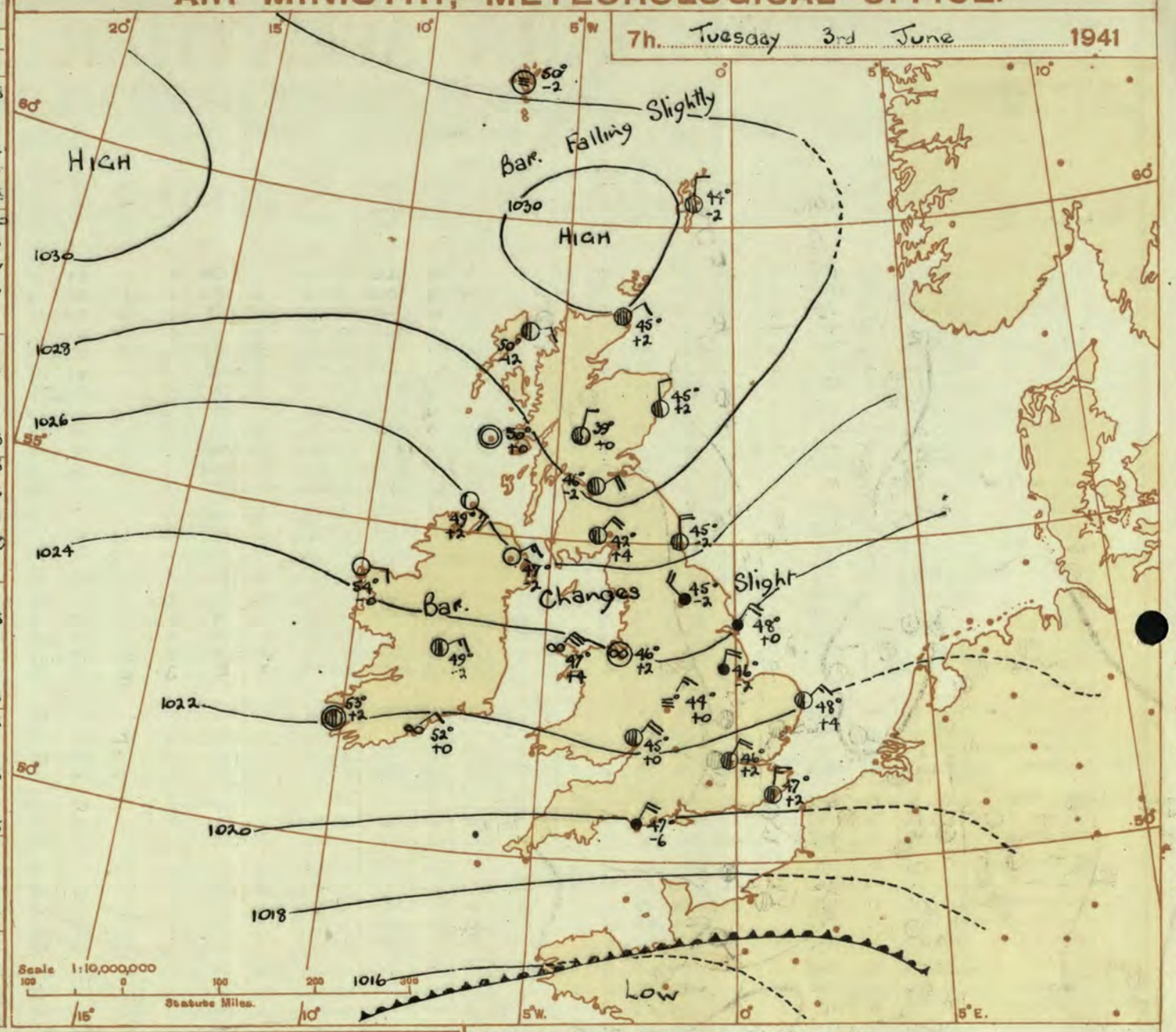
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 3rd June 1941

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 2nd June			18h. G.M.T.			01h. G.M.T. 3rd June			07h. G.M.T.		
IIIi	$C_L C_M$	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-	02847	01327	5-	02855	32325	5-	03847	04227	5-	03848	05228
115	52	81734	08387	54	01844	08385	54	01844	08415	54	01844	08515
203	5-	01933	32513							00	00800	04200
206	5-	02868	12126	5-	02866	10426	5-	02857	08327	5-	02857	10327
210	51	02945	06258	5-	02856	04316	5-	02847	06127	5-	02948	04228
220										00	00800	08300
230	20	00861	30111	04	00870	20301	00	00890	00000	00	00890	00000
245	5-	02957	06427	40	00951	06413	50	00951	03203	50	01944	29247
260	5-	02748	06258	10	00861	06312	5-	01745	08215	5-	02857	06417
277												
279	5-	02866	06426	50	00862	04612				5-	02857	05427
285	5-	03638	02328							5-	53538	10458
288	6-	54538	32358	5-	02748	01358	5-	05648	01428			
273												
301	5-	05655	06425	53	05650	08312	00	05620	10100	5-	05655	08525
321	5-	02748	04428	5-	02758	02428	5-	05648	03428	6-	54638	32358
299	5-	02748	32458	5-	02747	32417	5-	05648	32528	5-	21638	30458
292	5-	21848	02458	5-	02846	01428	5-	02745	01325	5-	52738	02358
310	--	03628	32528							--	44209	32549
316	5-	05636	02358	4-	05648	02328	5-	05647	02427	5-	52525	32258
333	13	01762	06314	50	05664	08325	04	05690	08323	04	01790	10314
334										--	03657	10228
340	5-	05658	04328	50	05654	04324	50	05643	06415	5-	05648	04218
136	5-	02748	04458	5-	02848	02429	5-	52628	04458	5-	02848	02358
336	53	02763	08426	53	02763	04316				51	02763	04428
350	5-	02748	04428	5-	02857	03527	5-	02748	04328	5-	52628	02458
368												
379	5-	02748	02428	53	02744	02426	5-	02748	04528	5-	02738	04528
390	5-	05648	06428	53	02755	06426	5-	02647	06427	5-	02648	04328
382	5-	02748	04428	57	02856	04427	5-	02748	05428	52	31747	04328
438	5-	02747	04527							02	62648	02468
430	03	05690	04527	57	05673	06428	52	05665	04528	02	62668	06368
409	14	08663	02324	50	05557	24117	50	05654	04114	52	62654	03268

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.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Tuesday 3rd June

Districts.	Forecasts
1 S.E. England 2 E. England 3 E. Midlands 4 W. Midlands	Moderate northeast to east wind. Considerable cloud at times but some bright intervals; some light occasional rain near the South coast; somewhat warmer inland, very cool on the coast.
5 S.W. England 6 South Wales 7 North Wales	Moderate easterly wind, fresh at times on the coast. Cloudy; occasional rain; local coast fog: somewhat warmer.
8 N.W. England	As 12-13A.
9 N. Midlands 10 N.E. England 11 S.E. Scotland	Light to moderate northeast winds; generally cloudy or dull; very cool.
12 S.W. Scotland & Isle of Man.	Light easterly winds; mainly fine: rather warm.
13 A. W. Scotld. / B. N.W. Scotland.	Light variable to westerly wind. Mainly cloudy to overcast; some coastal drizzle and perhaps fog: rather 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	Light northeast to east wind; fine: warm.

GENERAL INFERENCE.

A large anticyclone covers the Northeast Atlantic and most of the British Isles. A complex low pressure area off Spain and the Bay of Biscay is practically stationary.

Weather will continue dry in most districts but with considerable cloud in the East. Along the South Coast and in Southwest England there will be some occasional rain.

FURTHER OUTLOOK.

No important change.

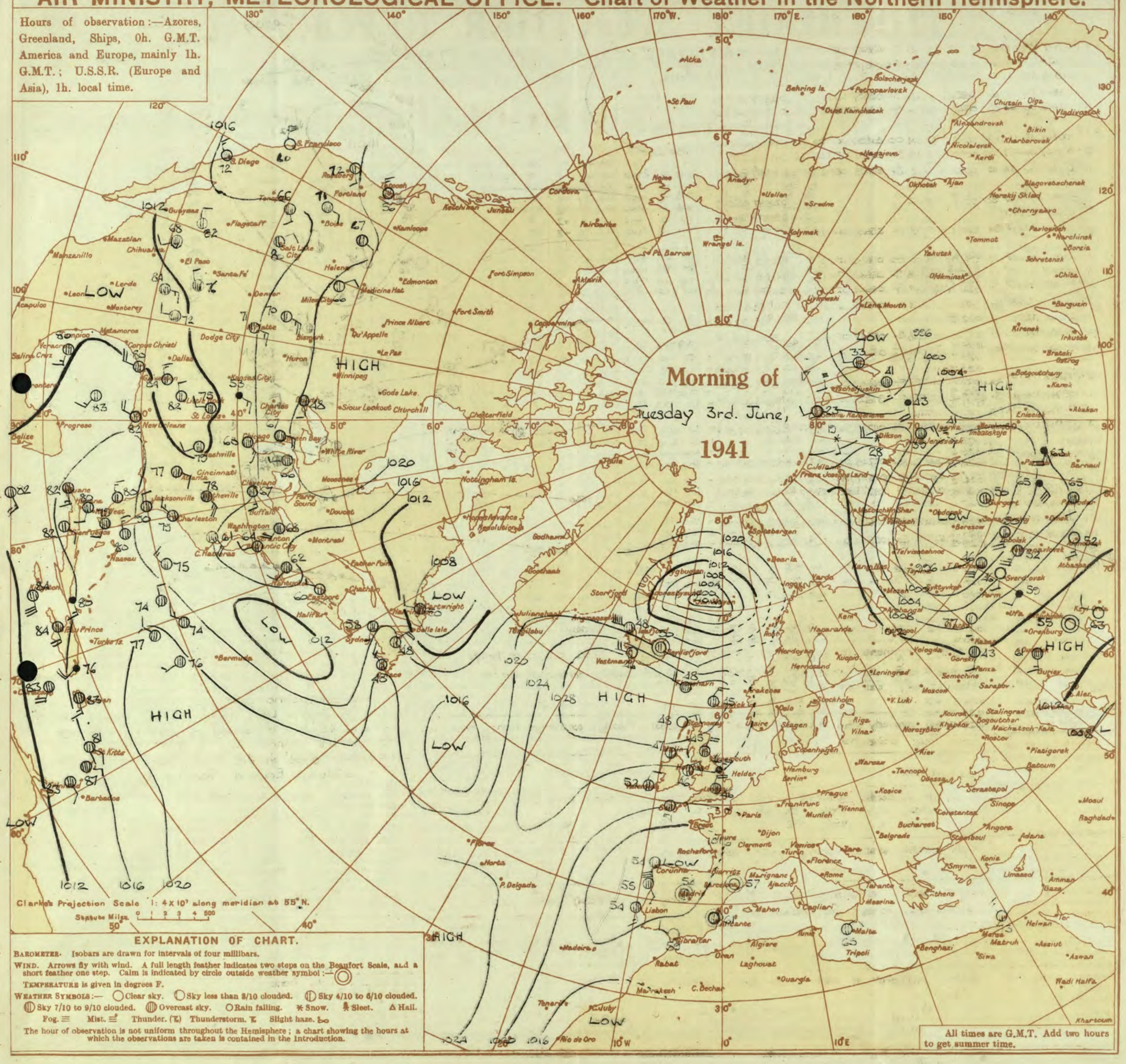
Warm front.
Cold front.
Occlusion.

Forecasts issued at

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266. Wt. 8176. D. 6034. Gp. 942. 9300. S/41

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 3rd June 1941

No. 22,248.

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

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	1021·7	-2	NNE	4	c	46	85	8	5	7	-	7-8	10	2000
	S. Farnborough	226	1021·4	-4	NE	3	Z_0	46	75	6	5	-	-	10	10	1800
	Boscombe Down	417	1021·7	-2	NE	4	c	45	85	7	5	2	-	7-8	10	1400
	Thorney Island	10	1019·9	0	NNE	3	Z_0	49	75	6	5	7	-	7-8	10	2600
	Lympne ...	346	1021·1	-2	N'E	5	o/c	46	92	7	5	-	-	10	10	400
	Manston ...	154	1021·2	0	NE	4	Z_0	47	85	6	5	-	-	10	10	1000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1021·8	-10	NE'N	3	c	46	75	7	5	-	-	9+	9+	1600
	Gorleston ...	5	1022·2	-10	NNE	4	c	48	85	7	5	-	-	9+	9+	1500
	Mildenhall ...	19	1022·7	-6	NE	3	c	46	75	7	5	-	-	10	10	1700
	Cranwell ...	240	1024·3	-10	NE'N	4	c	44	85	7	5	-	-	10	10	1500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1022·7	-6	NE'N	4	c	44	85	7	5	-	2	9	9	1400
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1020·0	-6	NE	4	c	50	85	7	5	-	-	7-8	7-8	2500
	Bristol ...	209	1022·1	-2	ENE	3	Z_0	47	75	6	5	7	-	9	10	2200
	Portland Bill ...	32	1020·4	+4	E	4	m	48	92	7	5	-	-	10	10	2500
	Plymouth ...	82	1020·4	-4	E	4	m	50	85	6	-	2	-	10	10	2000
	The Lizard ...	240	1019·8	-2	E	5	c	51	92	5	8	-	-	7-8	7-8	1500
	Scilly (St. Mary's)	163	1019·8	+4	NE'E	2	c	51	92	6	5	-	-	9+	9+	1500
	Guernsey ...	175														
6	Pembroke ...	142	1022·1	0	NE'E	3	bc	49	85	6	-	7	-	0	4-6	-
7	Holyhead ...	26	1023·8	0	NE	4	Z_0	46	92	5	-	-	1	0	4-6	-
	Chester (Sealand)	16	1024·6	-2	NE	4	m	43	85	4	5	-	-	4-6	4-6	2100
8	Manchester ...	70	1024·9	-2	NE	4	Z_0	48	78	6	5	-	-	4-6	4-6	4500
10	Spurn Head ...	29	1024·2	0	NE'N	5	id_0	46	92	6	5	-	-	10	10	1500
	Catterick ...	175	1026·4	-2	N	4	Z_0	44	85	6	5	-	-	10	10	1400
	Tynemouth ...	108	1027·1	-4	NE	4	c	45	75	7	8	-	-	9+	9+	2500
11	St. Abbs Head	280	1028·3	-4	NNE	4	c	44	85	8	5	2	-	7-8	10	1500
	Leuchars ...	36	1028·5	-6	-	0	b	44	92	8	-	-	1	0	Tr	-
12	Renfrew (Abbots I.)	19	1028·5	-2	E'N	2	Z_0	45	92	6	5	-	-	7-8	7-8	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1025·8	-2	ENE	6	b	46	85	8	4	4	-	Tr	1	2500
13A	Tiree ...	22	1027·0	0	*	0	0	48	92	7	*	*	0	0	2-3	*
13B	Stornoway ...	80	1030·8	0	NE	3	0	45	92	7	1	-	-	Tr	Tr	3500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1030·1	-2	NNE	1	c	45	85	8	8	7	-	7-8	9+	1500
16	Lerwick ...	156	1030·4	0	NE'N	3	c	45	85	8	5	2	-	7-8	10	1500
17	Blacksod Point	18	1024·9	-2	N	1	0	53	85	7	-	-	-	0	0	-
18	Malin Head ...	84	1026·6	-2	E	1	bc	47	92	8	4	-	-	2-3	2-3	5700
	Aldergrove ...	268	1026·5	0	ENE	2	Z_0	45	85	6	5	-	-	2-3	2-3	2000
19	Birr Castle ...	173	1024·2	+2	NE	1	b	48	92	8	-	-	-	0	0	-
20	Valentia Obsy.	30	1022·7	-4	NE'N	1	bc	52	92	7	5	3	2	Tr	4-6	4000
	Roches Point	22	1022·6	-2	ENE	2	Z_0	52	92	5	-	-	5	0	2-3	-

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

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)	1021·6	+2	NE	3	Z_0	47	75	6	5	-	-	10	10	2500	1	*
	Croydon ...	1021·6	+2	NE	4	c/r	46	85	6	8	2	-	4-6	10	2000		*
	S. Farnborough	1021·5	0	NE	3	c	46	85	7	5	-	-	10	10	3000	0	*
	Boscombe Down	1021·5	-2	NE	3	r_0r_0	44	85	7	5	2	-	4-6	10	1000	0	*
	Thorney Island	1019·7	-2	ENE	3	r_0r_0	46	85	6	5	-	-	10	10	2500	1	
	Lympne ...	1020·9	+2	N'E	3	c/r	47	85	8	5	7	-	9	10	700	0	§
	Manston ...	1020·9	+2	NE	4	c	48	85	7	5	-	-	10	10	1000	0	*
2	Shoeburyness ...	1021·7	+2	NNE	3	c	48	85	8	5	-	-	10	10	1500	1	*
	Felixstowe ...	1021·6	-2	NE'N	3	c	48	85	8	5	-	-	10	10	1600	0	2
	Gorleston ...	1022·3	+4	NE'E	3	c	48	85	7	5	-	-	10	10	2000	0	3
	Mildenhall ...	1022·0	+2	NE'N	3	c	48	85	8	5	-	-	10	10	1000	1	*
	Cranwell ...	1023·7	-2	NE'N	4	d_0d_0	46	92	7	5	-	-	10	10	800	1	*
3	Birmingham ...	1023·1	0	NE	3	m	44	92	4	6	-	-	10	10	800	1	*
	Upper Heyford	1022·4	-2	NE	4	id_0	45	92	8	5	-	-	10	10	700	1	*
4	Ross-on-Wye	1022·8	0	NE'E	4	c	45	85	7	5	-	-	10	10	1500	0	*
5	Hartland Point	1019·7	+2	ENE	4	c	47	75	7	8	2	-	7-8	10	2500	0	4
	Bristol ...	1022·1	+2	NE	4	c	45	75	7	5	-	-	10	10	1700	0	*
	Portland Bill ...	1018·5	-6	NE	4	m	47	92	7	5	-	-	10	10	2500	1	4
	Plymouth ...	1018·9	-2	E'N	4	r_0r_0	47	92	7	5	2	-	4-6	10	1500	1	3
	The Lizard ...	1018·5	+2	NE'E	6	r_0r_0	48	92	7	5	-	-	10	10	1500		
	Scilly (St. Mary's)	1018·8	-2	E	3	r_0r_0	50	92	6	5	2	-	7-8	10	1500		
	Guernsey ...																
6	Pembroke ...	1021·1	0	E'N	4	Z_0	48	85	6	-	7	-	0	7-8	-		
7	Holyhead ...	1023·1	+4	ENE	6	Z_0	47	85	6	1	5	-	Tr	2-3	2500	1	4
	Chester (Sealand)	1024·6	+2	-	0	Z_0	46	75	6	5	-	-	10	10	1500	0	*
8	Manchester ...	1024·7	+2	NE'E	4	Z_0	46	85	6	5	-	-	10	10	1800	0	*
10	Spurn Head ...	1023·2	0	NE'N	4	d_0d_0	48	85	6	-	2	-	10	10	800	1	6
	Catterick ...	1025·6	-2	NNW	4	dd	48	85	5	6	2	-	9	10	600	0	*
	Tynemouth ...	1026·4	-2	N	4	o/d	45	97	6	5	-	-	10	10	1200	1	3
11	St. Abbs Head	1027·3	-10	NNE	3	0	43	85	8	5	-	-	10	10	1500	0	3
	Leuchars ...	1028·6	+2	ENE	4	c	45	75	8	5	-	-	7-8	7-8	1200	0	*
12	Renfrew (Abbots I.)	1028·1	-2	ENE	4	c	46	75	7	5	-	-	7-8	7-8	1400	0	*
	Eskdalemuir ...	1027·1	+4	NE	4	c	42	85	7	5	-	-	9+	9+	800	0	*
	Point of Ayre ...	1025·1	-2	E'N	5	bc	47	85	8	1	-	-	2-3	2-3	1800	0	4
13A	Tiree ...	1026·8	0	-	0	b	50	92	7	-	-	-	0	0	-	0	2
13B	Stornoway ...	1028·6	-12	ENE	2	bc	50	85	8	1	-	-	2-3	4-6	3500	0	2
15	Dalwhinnie ...	1029·5	0	NNE	2	c	39	85	7	5	-	-	10	10	800	1	*
	Aberdeen ...	1029·5	+2	N	3	c	45	85	8	5	-	-	9+	9+	1500	0	3
	Wick ...	1030·0	+2	ENE	2	0	45	85	8	5	-	-	10	10	1500	0	2
16	Lerwick ...	1029·9	-2	N'E	2	c	44	92	8	5	2	-	7-8	10	800	0	*
17	Blacksod Point	1024·1	0	E	2	b	54	85	7	-	-	-	0	0	-	0	3
18	Malin Head ...	1026·0	+2	SE	3	b	49	85	8	-	-	2	0	1	-	0	2
	Aldergrove ...	1026·0	-2	NE'E	3	b	47	75	7	5	-	-	Tr	Tr	3000	0	*
19	Birr Castle ...	1023·6	-2	ENE	3	c	49	85	8	5	1	-	7-8	9	2500	0	*
20	Valentia Obsy.	1022·1	+2	-	0	-	53	92	7	5	3	6	Tr	9	4000	1	2
	Roches Point	1021·2	0	NE	2	Z_0	52	85	6	5	3	-	4-6	9	2500	0	3

PAST 24 HOURS.

District	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 2nd. Hrs. (36)
1	London (Kew)	55	45	44	-	-	0·2
	Croydon ...	52			-		
	S. Farnborough	56	44	43	-	Tr	0·2
	Boscombe Down	56	43	43	-	Tr	2·3
	Thorney Island	55	45	39	-	0·3	*
	Lympne ...	53	45	44	-	Tr	1·8
	Manston ...	51	46	45	-	Tr	*
2	Shoeburyness ...	53	45	43	-	-	0·2
	Felixstowe ...	53	45	44	-	-	0·3
	Gorleston ...	51	46	46	Tr	-	*
	Mildenhall ...	54	45	44	Tr	Tr	1·0
	Cranwell ...	53	43	43	0·2	Tr	0·0
3	Birmingham ...	50	41	41	*	Tr	0·0
	Upper Heyford	51	42	43	0·1	0·1	*
4	Ross-on-Wye	51	44	43	-	-	0·0
5	Hartland Point	57	47	46	-	-	7·5
	Bristol ...	55	43	42	-	-	0·8
	Portland Bill ...	55	46	*	-	5	*
	Plymouth ...	63	46	45	-	0·5	9·7
	The Lizard ...			*	-		
	Scilly (St. Mary's)			*	-		
	Guernsey ...						
6	Pembroke ...			*	-		
7	Holyhead ...	57	45	42	-	-	11·6
	Chester (Sealand)	57	40	32	-	-	3·6
8	Manchester ...	55	44	35	-	-	4·2
10	Spurn Head ...	49	44	*	Tr	Tr	0·0
	Catterick ...	48	47	43	Tr	Tr	0·0
	Tynemouth ...	47	45	43	Tr	Tr	*
11	St. Abbs Head	47	42	*	Tr	-	*
	Leuchars ...	51	39	33	-	-	5·0
12	Renfrew (Abbots I.)	57	42	36	Tr	-	6·2
	Eskdalemuir ...	51	38	36	Tr	-	2·8
	Point of Ayre ...	56	45	*	-	-	12·0
13A	Tiree ...	58	42	*	-	-	15·2
13B	Stornoway ...	53	44	*	-	-	7·6
15	Dalwhinnie ...	58	31	22	-	-	11·4
	Aberdeen ...	56	43	38	Tr	-	7·6
	Wick ...	48	43	*	Tr	-	*
16	Lerwick ...	52	42	*	-	-	10·4
17	Blacksod Point	58	49	*	-	-	*
18	Malin Head ...	52	44	*	-	-	11·9
	Aldergrove ...	55	41	35	-	-	7·7
19	Birr Castle ...	65	44	41	-	-	8·7
20	Valentia Obsy.	69	46	41	-	Tr	11·0
	Roches Point	62	49	*	-	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	cm_0Z_0	cZ_0c	ccm_0	55	45	44	-	-	0·2	*	*	
Croydon ...	217	$-m_0c$	c	$ccir_0$	52			-			*	*	6
Greenwich (Royal Observatory) ...	149												
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*									*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*									*
Camden Square ...	110			*						*	*		*
Kensington ...	80			*									*
Hampstead Observatory ...	450										*		*

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.

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 ,,	6½ ,,
7	Good ,,	12½ ,,
8	Very good ,,	31 ,,
9	Excellent ,,	beyond 31m.

COLUMN 30—Code for State of Sea.

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

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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 4th June 1941

No. 29,049

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

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)...	1022.3	+2	NE	2	roro	49	85	6	6	2	-	7-8	10	1500
	Croydon ...	1021.8	+2	NE	3	fofo	48	97	4	9	2	·	7-8	10	1000
	S. Farnborough	1022.1	+2	NE'E	3	rr	49	92	5	5	2	-	7-8	10	700
	Boscombe Down	1021.9	+2	ENE	3	roro	49	92	6	5	2	-	7-8	10	800
	Thorney Island	1020.6	+2	ENE	3	roro	51	85	6	5	7	-	4-6	10	2500
	Lympne ...	1020.9	-2	N'E	2	dodo	48	97	6	6	4	-	9	10	500
	Manston ...	1021.4	+2	NNE	4	iro	49	92	6	6	-	-	10	10	700
2	Shoeburyness ...	1021.7	-2	NNE	3	ir	51	85	6	5	-	-	10	10	1500
	Felixstowe ...	1022.0	0	ENE	3	c	53	75	7	5	7	-	Tr	9+	2000
	Gorleston ...	1023.0	0	NE	3	c	50	85	7	5	-	-	10	10	1800
	Mildenhall ...	1022.2	-2	NE	3	bc	58	65	8	7	3	-	2-3	2-3	2000
	Cranwell ...	1024.1	+2	SSE	4	c	52	75	8	5	-	-	10	10	1500
3	Birmingham	1023.1	0	ENE	3	zo	50	65	6	5	-	-	9+	9+	1500
	Upper Heyford	1022.3	0	NE	3	ido	51	75	7	5	7	-	9+	10	1700
4	Ross-on-Wye ...	1022.3	0	NE	3	c	52	75	6	5	1	-	9+	10	1500
5	Hartland Point	1020.4	+4	NE	3	roro	48	85	7	6	2	-	4-6	10	1500
	Bristol ...	1022.1	0	NEN	4	iro	51	85	7	5	2	-	7-8	10	1200
	Portland Bill ...	1019.9	+8	NE	4	o	49	92	7	5	-	-	10	10	2500
	Plymouth ...	1020.5	+2	E'S	3	iro	48	92	8	5	2	-	9+	10	600
	The Lizard ...	1019.0	0	ENE	5	roro	48	92	6	5	-	-	10	10	1500
	Scilly (St. Mary's)	1019.3	+2	E'N	3	c	50	92	7	5	2	-	7-8	10	1200
	Guernsey ...														
6	Pembroke ...	1021.7	+4	SE'S	3	c	50	85	7	5	6	-	7-8	10	3000
7	Holyhead ...	1022.7	-2	NE'E	6	bcq	53	85	6	5	-	-	2-3	2-3	2000
	Chester (Sealand)	1023.6	-6	E'N	3	zo	54	65	6	5	-	-	10	10	2000
8	Manchester ...	1024.1	-2	ENE	4	zo	53	75	6	5	-	-	9+	9+	2000
10	Spurn Head ...	1024.1	+6	ENE	4	o	50	85	7	5	-	-	10	10	2500
	Catterick ...	1025.9	+2	N'E	3	zo	50	85	6	5	-	-	9+	9+	1600
	Tynemouth ...	1027.2	+2	NE	4	o	48	92	6	5	-	-	10	10	700
11	St. Abbs Head	1028.0	+14	NE	4	dodo	44	97	7	5	-	-	10	10	1000
	Leuchars ...	1028.6	-6	E	4	c	50	75	8	5	-	-	10	10	1200
12	Renfrew (Abbots I.)	1027.3	-8	E'S	4	bc	57	65	7	5	-	-	2-3	2-3	2000
	Eskdalemuir ...	1026.7	0	ENE	4	ido	46	85	6	5	-	-	10	10	800
	Point of Ayre ...	1024.7	-6	ENE	4	b	54	85	8	1	4	-	Tr	1	2500
13A	Tiree ...	1025.3	+10	N	2	b	57	65	8	-	1	5	0	1	-
13B	Stornoway ...	1027.9	-2	NE	3	bc	55	65	8	-	-	6	0	2-3	-
15	Dalwhinnie ...	*	-6	NE	1	b	68	25	8	-	-	8	0	Tr	-
	Aberdeen ...	1029.3	0	E'N	2	bc	50	75	8	5	1	-	4-6	4-6	1500
	Wick ...	1029.3	-4	SE	3	c	48	85	8	5	5	-	7-8	9+	2500
16	Lerwick...	1030.1	+2	WSW	3	c	47	85	7	5	2	-	7-8	10	1500
17	Blacksod Point..	1022.7	-10	NNE	4	b	60	65	8	-	-	-	0	0	-
18	Malin Head ...	1025.6	-4	ESE	4	bc	41	65	7	-	3	-	0	2-3	-
	Aldergrove ...	1025.3	-6	E'N	4	bc	57	65	8	5	4	-	2-3	2-3	2500
19	Birr Castle ...	1022.3	-10	ENE	3	bc	61	65	8	-	-	5	0	4-6	-
20	Valentia Obsy. †	1020.9	-6	SW	4	zo	59	75	6	5	-	-	9+	9+	4000
	Roches Point ...	1021.0	-2	E	4	bc	55	75	7	-	-	5	0	4-6	-

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

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)	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	-4	NE'N	2	m	53	85	4	5	-	-	10	10	1500	1	*
Croydon	1021.5	-2	ENE	2	zo	51	92	5	6	2	-	9	10	1500	1	*
S. Farnborough	1021.2	-6	NE	1	zo	52	85	5	5	-	-	10	10	600	1	*
Boscombe Down	1021.6	-4	E'N	2	zo	50	92	6	5	2	-	1	10	1400	1	*
Thorney Island	1020.5	+2	NE	2	zo	53	85	6	5	-	-	10	10	1500	1	
Lympne	1021.0	-2	NE'N	2	m	51	97	4	5	-	-	10	10	100	1	§
Manston	1021.2	-2	NE	3	zo	50	97	6	5	-	-	10	10	300	1	*
Shoeburyness	1021.6	-2	NE'N	2	o	52	92	7	5	-	-	10	10	1500	1	*
Felixstowe	1021.6	0	E'N	3	zo	54	85	6	5	-	8	9	9+	4000	0	2
Gorleston	1022.4	-4	NNE	3	bc	53	85	6	5	1	-	2-3	4-6	2500	0	3
Mildenhall	1021.7	+2	NE	3	c	57	75	8	5	1	-	9	10	1500	0	*
Cranwell	1023.7	-2	ENE	4	c	54	75	8	5	5	-	4-6	7-?	2000	0	*
Birmingham	1022.2	-4	ENE	3	zo	53	65	6	5	-	-	10	10	1500	1	*
Upper Heyford	1021.8	-2	NE'N	2	c/d	52	85	6	5	2	-	4-6	10	5000	1	*
Ross-on-Wye	1021.5	-6	NE'E	2	o	52	85	7	5	-	-	10	10	1500	1	*
Hartland Point	1019.5	-6	ENE	3	c	51	85	7	8	2	-	4-6	10	1500	1	3
Bristol	1021.6	-4	NE	3	zo	51	85	6	5	2	-	4-6	10	1600	1	*
Portland Bill	1019.9	+4	NE	4	o	52	92	7	5	-	-	10	10	2500	1	4
Plymouth	1019.6	-6	E	5	zo	52	92	6	5	-	-	10	10	800	1	3
The Lizard	1018.0	-4	E'N	2	c/pr	50	97	5	5	-	-	10	10	1500	1	4
Scilly (St. Mary's)	1018.7	-2	NE'E	4	c	50	92	6	5	-	-	10	10	1200	1	3
Guernsey																
Pembroke	1020.7	-4	ESE	2	roro	50	97	6	5	-	-	10	10	2500	1	3
Holyhead	1021.1	-8	ENE	5	zo	55	85	6	-	-	1	0	Tr	-	1	4
Chester (Sealand)	1022.6	-6	ESE	3	zo	57	65	6	-	-	-	0	0	-	0	*
Manchester	1022.9	-6	NE'E	4	zo	57	65	6	-	-	-	0	0	-	0	*
Spurn Head	1023.7	0	NE	4	eft	50	92	3	5	-	-	7-8	7-8	1500	0	4
Catterick	1025.5	-4	N	3	m	51	85	4	5	-	-	10	10	900	0	
Tynemouth	1026.7	-2	NE	4	e	48	97	6	5	-	-	9+	9+	700	1	3
St. Abbs Head	1027.6	-2	NNE	4	c	45	97	7	5	2	-	7-8	10	600	1	3
Leuchars	1027.9	-6	E	4	c	48	85	7	5	-	-	10	10	1400	0	*
Renfrew (Abbots I.)	1026.6	-2	ENE	4	e	53	75	8	5	3	-	9	9+	3000	0	*
Eskdalemuir	1025.8	0	ENE	4	ido	48	92	6	5	-	-	10	10	800		*
Point of Ayre	1023.9	-4	NE	1	bc	56	85	7	-	4	-	0	4-6	-	0	3
Tiree	1024.0	-8	N	2	b	54	75	8	-	-	5	0	Tr	-	0	3
Stornoway	1026.1	-10	NE	4	b	52	92	8	-	-	5	0	Tr	-	0	2
Dalwhinnie	1026.1	-2	SSW	3	b	64	45	8	-	-	-	0	0	-	0	*
Aberdeen	1028.4	-6	ESE	3	c	48	85	8	8	-	-	7-8	7-8	2300	0	2
Wick	1028.2	-6	SE	3	bc	47	85	8	1	8	-	1	2-3	2500	0	2
Lerwick	1029.2	-2	SW'W	3	c	45	92	8	5	2	-	7-8	10	800	0	*
Blacksod Point	1021.2	-10	N	4	b	60	75	8	-	-	-	0	0	-	0	4
Malin Head	1024.0	-8	NNE	2	b	55	75	7	-	-	-	0	0	-	0	1
Aldergrove	1024.2	-4	E	3	c	54	75	8	7	7	-	7-8	7-8	2100	0	*
Birr Castle	1022.0	-2	ENE	3	bc	57	65	8	-	-	5	0	4-6	-	0	*
Valentia Obsy. †	1020.8	-2	SW'S	2	zo	55	85	6	5	-	-	9+	9+	4000	0	3
Roches Point	1020.3	-6	E	4	c	51	75	8	8	1	-	7-8	9	1500	0	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 3rd (37)	Weather 13h.—18h. 3rd (38)	Weather 18h. 3rd to 1h. 4th (39)	Weather 1h.—7h. 4th (40)
London (Kew)	cmRrom.	crorolrom.cm	cm	cmidff
Croydon	cmopromirrm.	crorom	cmobcom	ofofe
S. Farnborough	crormo	rmodoc	cmofmo	mdoFFo
Boscombe Down	crorom.	crorokdmo	cmo	cmo
Thorney Island	rrrorom.	rolrom.	om	c
Lympne	crorromod,	cmodod.om	omffFF	F
Manston	c,roro iro	cirom.o	offcbcmo	bmfwomo
Shoeburyness	irorrm.c	cirm.o	cmo	cmofm
Felixstowe	ccidoc	cidoiro.cmo	cmobcmow	bmow
Gorleston	c	cbc	bcwzo	bc
Mildenhall	c	bcc	cbccomo	offw
Cranwell	odod.c	cbcc	comomom	ombcbm
Birmingham	omdoc	cz	cz	cof
Upper Heyford	cudo.c	crofodmo	ccmo	cmomofd
Ross-on-Wye	coc	croc	odoofood	omo
Hartland Point	croro	roroc	cbcc	c
Bristol	ciro	crorom.	cmo	cmododom off
Portland Bill	orro	o	c	off
Plymouth	crorom.dod.	cirom.cmo	cmo	cmocirmo
The Lizard	ororo	oproz	om	om
Scilly (St. Mary's)	crorc	c	croc	coffe
Guernsey				
Pembroke	c	cprororo	czoc	cmo
Holyhead	bcmoqb	bcq mob	momobcc	mmoc
Chester (Sealand)	czo	cbcbmo	bczo	cmoo
Manchester	c	bc	bbcczo	e
Spurn Head	o	of	om	b
Catterick	dfd.mo	cmocm	om	omoiroof off
Tynemouth	odod.c	oc	co	off
St. Abbs Head	odd	dooc	Ffe	Feom
Leuchars	cbcc	c	c	cmomff
Renfrew (Abbots I.)	cbccb	bbcc	cbcmoc	ccmoc
Eskdalemuir	cido	bceido	bc	bbcw
Point of Ayre	b	bbcebc	bcbbw	bc
Tiree	o	b	o	b
Stornoway	bbc	bcb	b	b
Dalwhinnie	obcy	bcby		bc
Aberdeen	cbc	bc	bcoff	offido
Wick	oc	cb	bbcc	coc
Lerwick	c	c	comₒ	omo
Blacksod Point	b	b	bc	c
Malin Head	bc	bc	bc	bc
Aldergrove	bbc	bcc	bcb	bbcwcmo
Birr Castle	bc	bc	c	c
Valentia Obsy. †	cbcczo	czo	crrcroroc	cdrciro
Roches Point	bc	c	rorodd	idoozo

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.*

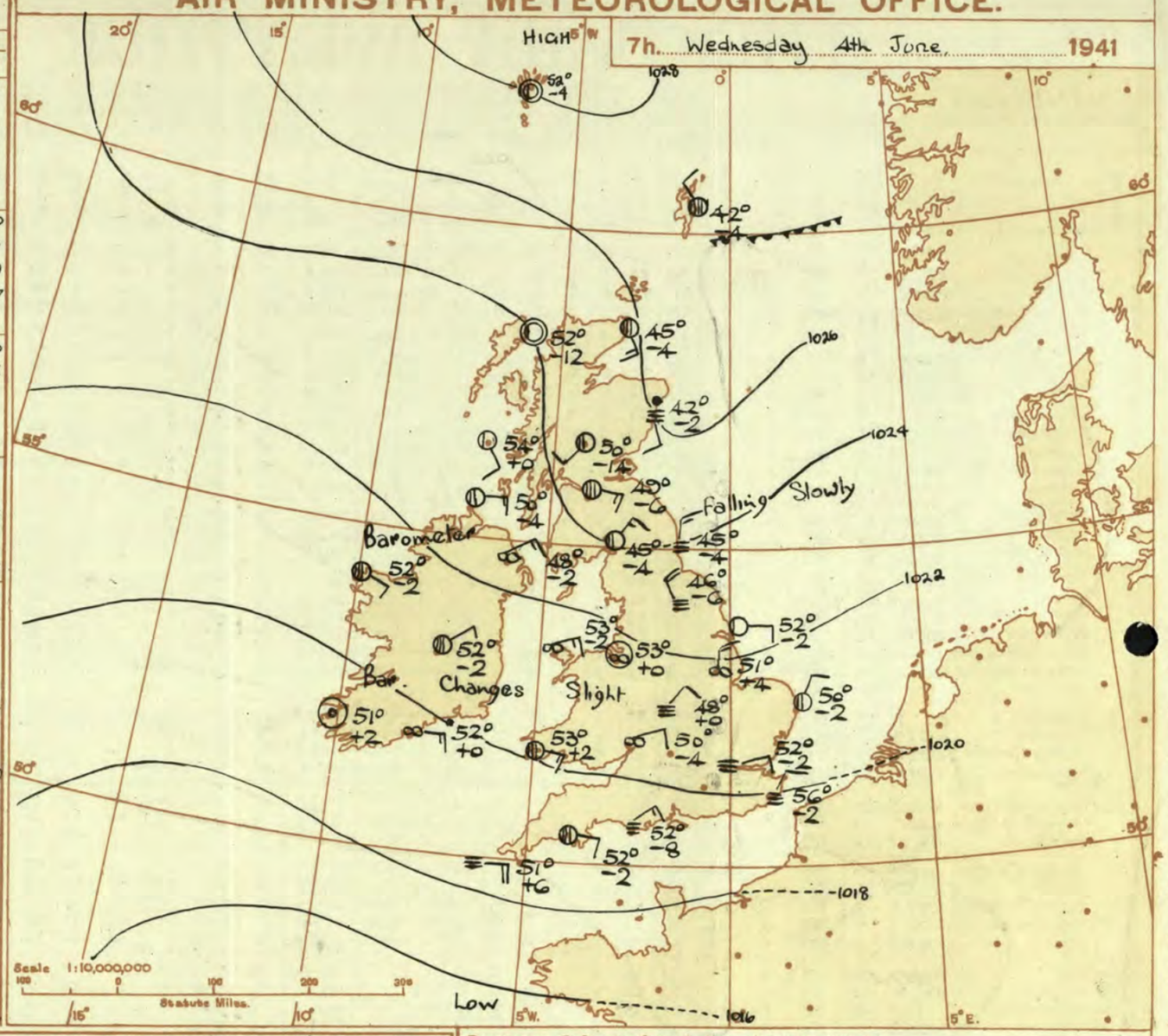
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 4th June 1941

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 3rd June			18h. G.M.T.			01h. G.M.T. 4th June			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-	02846	08226	5-	00841	10311	5-	03846	12226	5-	03848	12228
115	54	01853	08414	54	01853	08414	54	01853	10314	54	01853	10314
203				04	01890	06403	04	00890	06113	00	00890	12100
206	00	00990	07521	50	00861	07401	53	01853	00024	5-	02748	26128
210	50	00964	05411	50	00861	06501	53	01843	18113	5-	05638	09128
220	00	00890	21200	00	00890	04100				00	00890	23200
230				04	00890	20301	00	00890	26100	00	00890	32100
245	54	01844	08514	5-	02067	06327	50	05643	03123	--	44209	08249
260	5-	02748	06428	5-	05638	06328	5-	05638	06228	5-	51627	06347
277												
279	5-	02856	25053	20	01763	0561				52	02756	06428
285	6-	51638	12658							5-	03748	24228
288	5-	05638	04358	5-	05638	05328	5-	08428	02228			
273												
301	5-	02667	08428	5-	00752	88412	5-	05667	08417	51	05657	08128
321	5-	02248	06429	5-	05654	04425	5-	05628	32328	5-	05658	31228
299	5-	03748	30328	5-	41440	30348	50	05652	32313	50	01754	28314
292	5-	02848	05358	5-	02855	03325	5-	05654	30214	53	05544	28325
310										--	02638	08428
316	5-	02745	04358	53	01753	04314	5-	02635	02328	5-	08438	01228
333	00	05690	08514	03	05690	08313	5-	05658	00068	57	05665	24128
334	--	45645	06415	--	05655	06415				--	03538	10328
340	5-	05658	07328	5-	05655	06325	50	05654	00064	5-	05648	12318
136	5-	02747	04327	--	48209	05325	00	04590	00040	5-	05665	04145
336	53	02763	06327	52	05642	08328				52	05543	04328
350	52	61954	03458	57	22754	02467				--	46209	04149
368	52	22635	05468							5-	05548	05328
379	5-	02748	04328	5-	02748	04228	5-	05638	04328	--	46109	04349
390				5-	02744	08268	5-	08438	04248	--	46209	06249
382	52	61647	05258	5-	05648	02128	5-	05628	04228	5-	45318	02258
438												
430				51	05544	06328	5-	05538	*			
409	62	62647	06268	62	05645	02368	5-	05538	10128	5-	05667	03167

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. Wednesday 4th June 1941
1 S.E. England	Light easterly wind; bright periods, local thunderstorms later today, fog and low cloud tonight; warmer than of late.
2 E. England ... 3 E. Midlands ...	Light easterly wind; bright periods today, fog and low cloud tonight, fog patches on coast during day; warmer than of late.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Light easterly wind; bright periods today but local thunderstorms later; local fog on coasts; warmer than of late.
8 N.W. England	As 12-13.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	As 2-3.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B. N.W. Scotland.	Light or moderate southeast wind; fine; rather warm during day.
14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Light variable wind; fair but considerable cloud; average temperature.
17 N. W. Ireland 18 N. E. Ireland	As 12-13.
19 S. E. Ireland 20 S. W. Ireland	Light easterly wind; fair but local fog on coasts; average temperature.

GENERAL INFERENCE.

An anticyclone extends from south of Iceland to the North Sea. There will be bright periods in eastern and southern districts but fog patches will persist on the coasts. There will be local thunderstorms later today in the South.

In the West and North weather will be fair or fine. Day temperatures will be higher than of late.

FURTHER OUTLOOK.

Increasing thundery tendency in the South; fair in the North.

cold front
warm front
occlusion.

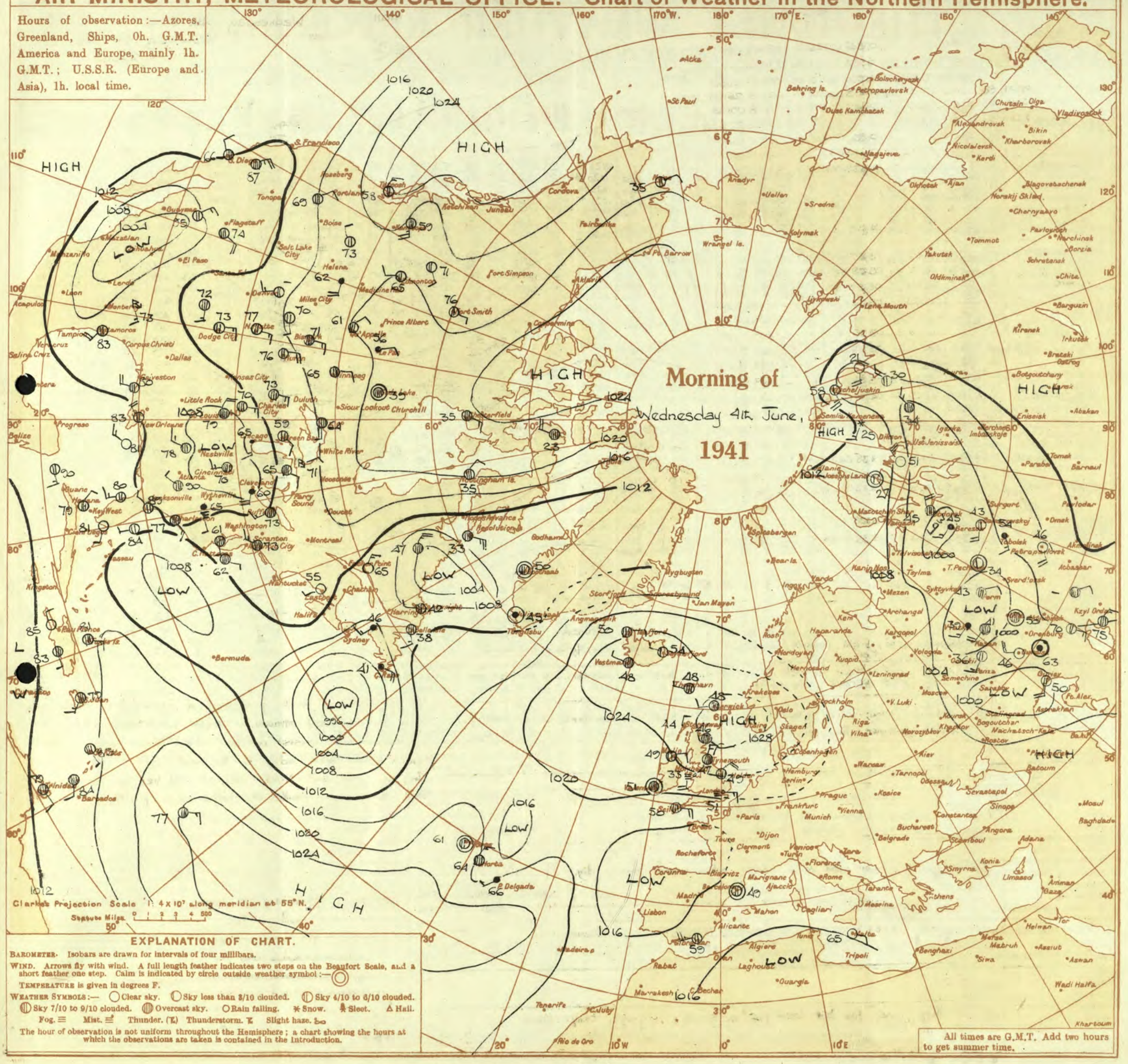
Forecasts issued at 10·30

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

H.M.S.O. Press Cornwall House S.E.1. G.266.Wt.8176.D.6034.Gp.948 3300.5/41

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.

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 4th June 1941

No. 29,049.

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

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	1021·3	-2	E	3	m	51	97	4	5	—	—	10	10	400
	S. Farnborough	226	1021·2	-4	E'N	3	m/f₀	51	97	4	5	—	—	10	10	200
	Boscombe Down	417	1021·4	+4	NE'E	2	z₀	51	92	5	5	—	—	10	10	600
	Thorney Island	10	1020·4	-4	NNE	2	z₀	51	92	5	5	—	—	10	10	400
	Lympne	346	1021·1	+6	NNE	2	F—	47	97	1	—	—	—	0	0	—
	Manston	154	1021·1	-8	N'E	1	m	48	92	4	5	—	—	1	1	1800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1021·6	-2	N'W	2	z₀	50	97	6	5	—	—	7-8	7-8	3500
	Gorleston	5	1021·8	-8	N	1	bc	50	92	5	5	—	—	4-6	4-6	1500
	Mildenhall	19	1021·7	-6	E'N	1	z₀	50	97	6	5	—	—	10	10	400
	Cranwell	240	1022·9	-8	NE'N	3	m	49	92	4	5	—	—	10	10	300
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1022·1	0	NE	2	z₀	47	97	5	5	—	—	10	10	600
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1019·8	-4	NE	3	c	50	92	6	5	7	—	4-6	9+	1500
	Bristol	209	1021·4	-4	ENE	2	z₀	51	92	6	5	—	—	10	10	1400
	Portland Bill	32	1019·8	-2	NE	4	o	49	92	7	5	—	—	10	10	2500
	Plymouth	82	1020·2	-2	ENE	5	c	51	97	6	5	1	—	7-8	10	700
	The Lizard	240	1018·5	+2	E	5	o	49	97	5	5	—	—	10	10	1500
	Scilly (St. Mary's)	163	1018·5	-4	E	4	c	50	97	5	5	—	—	10	10	800
	Guernsey	175														
6	Pembroke	142	1021·1	-2	ENE	2	c	52	92	7	5	—	—	9+	9+	2500
7	Holyhead	26	1021·7	+2	N'E	2	m	53	92	4	5	—	—	10	10	4000
	Chester (Sealand)	16	1022·4	-6	—	0	z₀	52	85	5	5	—	—	10	10	4700
8	Manchester	70	1022·9	-6	NE'E	3	z₀	51	85	5	5	—	—	9+	9+	3500
10	Spurn Head	29	1022·8	-8	NE'N	4	z₀	49	92	6	5	—	—	10	10	1500
	Catterick	175	1025·4	-6	N'W	2	m	47	92	4	5	—	—	10	10	500
	Tynemouth	108	1026·5	-4	NNE	3	o	47	97	6	5	—	—	10	10	800
11	St. Abbs Head	280	1027·1	-6	SE	1	F+	43	97	0	—	—	—	10	10	<150
	Leuchars	36	1027·4	-2	NE	1	c	47	92	8	5	—	—	10	10	700
12	Renfrew (Abbots I.)	19	1026·2	-2	E	2	c	48	85	7	5	—	—	9+	9+	900
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1023·3	0	ENE	4	b	49	97	6	—	—	—	0	0	—
13A	Tiree	22	1024·3	0	SSE	1	b	46	85	9	—	—	5	0	Tr	—
13B	Stornoway	80	1025·4	-8	NNE	2	b	44	97	7	—	—	—	0	0	—
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1027·2	-10	SSE	3	c	45	85	8	5	7	—	7-8	9+	1500
16	Lerwick	156	1028·4	-6	W'S	2	o	48	97	6	5	—	—	10	10	450
17	Blacksod Point	18	1021·8	+2	SSE	1	b	51	85	7	—	4	—	0	1	—
18	Malin Head	84	1024·0	-2	E	3	bc	49	85	7	—	3	—	0	2-3	—
	Aldergrove	268	1023·0	-4	E'S	3	b	48	85	7	—	—	—	0	0	—
19	Birr Castle	173	1021·8	-4	NE	1	c	50	92	8	5	—	—	10	10	2500
20	Valentia Obsy.	30	1020·7	-4	—	0	o/r	51	92	7	5	—	—	10	10	2500
	Roches Point	22	1020·6	-6	E'S	3	dd	49	97	5	5	—	—	10	10	450

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

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)	1020·7	-2	ENE	3	id₀	53	97	3	5	—	—	10	10	1500	1	*
Croydon	1020·8	-2	ENE	2	f—	52	97	3	—	—	—	10	10	<150	1	*
S. Farnborough	1020·5	0	ENE	2	F	52	97	1	—	—	—	10	10	<150	1	*
Boscombe Down	1020·7	+2	NE'E	2	m	52	97	4	5	—	—	10	10	450	1	*
Thorney Island	1019·4	+4	E'S	2	z₀	57	92	6	5	3	—	7-8	9+	1500	0	
Lympne	1020·5	-2	NNE	2	of	56	97	3	5	7	9	4-6	9	100	1	§
Manston	1020·7	+2	N'W	1	z₀	53	97	6	5	—	—	10	10	100	1	*
Shoeburyness	1021·2	-2	NNE	3	m	52	97	4	5	—	—	10	10	220	1	*
Felixstowe	1021·2	0	NE'N	1	z₀	56	85	5	—	—	—	0	0	—	1	1
Gorleston	1021·6	-2	NNE	2	bc	50	85	5	—	4	—	0	2-3	—	0	3
Mildenhall	1021·6	+2	—	0	f—	50	97	2	—	—	—	10	10	<150	0	*
Cranwell	1022·8	+4	N	3	z₀	51	92	6	5	—	—	10	10	1500	0	
Birmingham	1021·5	0	NE	2	of+	48	97	3	5	—	—	10	10	220	1	*
Upper Heyford	1021·5	0	NE	3	df	49	97	3	—	—	—	10	10	<150	1	*
Ross-on-Wye	1021·1	-4	ENE	2	z₀	50	92	5	5	—	—	10	10	800	1	*
Hartland Point	1019·2	+6	E	3	c	52	92	6	5	—	—	9+	9+	2000	1	3
Bristol	1020·7	+2	ENE	2	o/d	50	97	5	5	—	—	10	10	300	1	*
Portland Bill	1018·8	-8	NE	3	f	52	92	3	5	—	—	10	10	<150	1	3
Plymouth	1019·5	-2	E'S	2	c/r	52	97	6	5	2	—	9+	10	1200	1	3
The Lizard	1018·0	0	E'N	3	m	51	97	4	5	—	—	10	10	900	0	3
Scilly (St. Mary's)	1018·6	+6	E	4	f—	51	97	3	5	—	—	10	10	800	1	4
Guernsey																
Pembroke	1020·4	+2	E'S	3	c	53	92	6	5	6	—	7-8	10	2500	1	2
Holyhead	1020·9	-2	E'N	3	z₀	53	92	5	5	—	—	9+	9+	5700	1	2
Chester (Sealand)	1021·9	0	—	0	z₀	53	85	5	5	—	—	10	10	1600	0	*
Manchester	1022·1	-2	NE	2	z₀	53	75	6	—	3	—	0	2-3	—	0	*
Spurn Head	1022·2	-2	E	2	b	52	85	7	—	—	1	0	Tr	—	0	3
Catterick	1023·4	-6	NW'N	4	of+	46	97	3	5	—	—	10	10	500	0	*
Tynemouth	1024·8	-4	N	3	of	45	97	2	5	—	—	10	10	800	1	3
St. Abbs Head	1025·5	-6	NNW	1	m	47	97	4	5	—	—	10	10	300	1	2
Leuchars	1026·0	-4	—	0	f—	44	97	3	—	—	—	10	10	<150	0	*
Renfrew (Abbots I.)	1024·9	-6	E'S	3	c	49	85	7	5	—	—	9+	9+	1400	0	*
Eskdalemuir	1024·3	-4	NE	3	bc	45	75	8	5	—	—	4-6	4-6	1500	0	
Point of Ayre	1022·3	-4	E'N	4	ir₀	48	97	7	5	7	—	Tr	10	600	0	4
Tiree	1022·8	0	SE'S	2	b	54	75	8	—	—	—	0	0	—	0	2
Stornoway	1023·5	-12	—	0	b	52	92	8	—	—	—	0	0	—	0	1
Dalwhinnie	1025·0	-14	SW	2	bc	50	65	8	1	—	—	Tr	Tr	1500	1	
Aberdeen	1026·3	-2	SSE	2	df	42	97	3	5	—	—	10	10	<150	1	2
Wick	1025·7	-4	SE	3	c	45	97	7	5	2	—	7-8	10	800	0	3
Lerwick	1027·9	-4	NW	2	o	42	97	6	5	—	—	10	10	450	0	*
Blacksod Point	1020·6	-2	ESE	1	c	52	85	7	5	—	—	10	10	1500	0	2
Malin Head	1022·7	-4	E	3	bc	50	85	8	2	7	—	2-3	4-6	4000	0	2
Aldergrove	1023·2	-2	NE'E	3	z₀	48	85	6	5	7	—	4-6	10	5700	0	*
Birr Castle	1021·0	-2	NE	1	c	52	92	7	5	—	—	10	10	2500	0	*
Valentia Obsy.	1020·3	+2	—	0	ir₀	51	92	7	5	2	—	9+	10	2500	1	2
Roches Point	1019·8	0	E	3	z₀	52	97	5	5	—	—	10	10	800	1	3

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)	53	49	41	2	Tr	0·0
Croydon	51	48	44	2	0·6	0·0
S. Farnborough	52	50	46	3	Tr	0·0
Boscombe Down	50	49	49	3	Tr	0·0
Thorney Island	53	45	44	3	–	*
Lympne	51	46	45	1	—	0·0
Manston	51	45	40	2	Tr	*
Shoeburyness	53	50	40	1	—	0·0
Felixstowe	56	47	43	Tr	—	0·2
Gorleston	54	49	46	—	—	*
Mildenhall	61	48	48	—	Tr	2·7
Cranwell	56	46	45	Tr	—	1·7
Birmingham	55	47	45	Tr	—	0·0
Upper Heyford	53	47	49	0·6	Tr	*
Ross-on-Wye	55	50	49	0·1	0·2	0·1
Hartland Point	51	49	48	3	—	0·2
Bristol	53	50	50	0·4	Tr	0·0
Portland Bill	53	47	*	3	—	*
Plymouth	52	50	48	3	2	[illegible]
The Lizard	50	49	*	1	—	0·0
Scilly (St. Mary's)	51	45	*	0·2	Tr	0·0
Guernsey						
Pembroke	56	49	*	0·3	Tr	0·8
Holyhead	55	50	48	—	—	13·2
Chester (Sealand)	57	51	48	—	—	2·3
Manchester	58	50	46	—	—	4·2
Spurn Head	55	47	*	—	—	1·2
Catterick	52	44	45	0·1	Tr	0·2
Tynemouth	49	45	44	0·3	—	*
St. Abbs Head	45	41	*	Tr	Tr	*
Leuchars	51	43	44	—	—	3·5
Renfrew (Abbots I.)	57	45	39	—	—	8·3
Eskdalemuir		41	39		Tr	1·4
Point of Ayre	57	(44)	*	—	—	12·4
Tiree	58	45	*	—	—	15·7
Stornoway	55	42	*	—	—	16·1
Dalwhinnie	71	42	35	—	—	12·9
Aberdeen	51	41	41	—	Tr	9·6
Wick	47	43	*	—	—	
Lerwick	49	42	*	–	—	0·0
Blacksod Point	64	48	*	—	—	*
Malin Head	55	46	*	—	—	14
Aldergrove	57	46	40	–	—	12·7
Birr Castle	61	49	48	—	—	12·5
Valentia Obsy.	60	49	49	—	4	3·8
Roches Point	56	48	*	—	4	*

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. % Yesterday	Humidity 9h. G.M.T. % To-day	Visibility 9h.
		24 hrs. ended 9h.											
Kew	18	cmRr₀m₀	cr₀r₀ir₀m₀m	cmidf₀	53	49	41	2	Tr	0·0	*	*	3
Croydon	217	cm₀pr₀irm	cr₀r₀m	cmbcomf₀	51	48	44	2	0·6	0·0	*	*	4
Greenwich (Royal Observatory)	149												
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*									*
Regents Pk. (Botanic Gardens)‡	168	*	*	*									*
Camden Square	110			*						*	*		*
Kensington	80			*			*						*
Hampstead Observatory	450		*								*		*

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.
0·5	17-19h 3rd	0·1	1-4h 4th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. Barom. mb.	18h. Wind Direc.	18h. Wind Force.	18h. Weather.	18h. Temp. °F.	7h. G.M.T. 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.	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—glassy. 5 Rough.
1 Calm—rippled. 6 Very rough.
2 Smooth. 7 High.
3 Slight. 8 Very high.
4 Moderate. 9 Phenomenal.

‡ 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.

BRITISH SECTION

Thursday 5th June 1941

No. 29050

SECRET

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

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)	1018.8	-18	E'N	4	zo	69	65	5	-	-	7	0	9+	-
	Croydon	1019.1	-14	NE	3	b	70	75	7	1	-	-	Tr	Tr	2500
	S. Farnborough	1018.4	-22	E'N	3	zo	72	55	6	1	-	-	2-3	2-3	3000
	Boscombe Down	1018.7	-18	E'N	2	zo	68	65	6	-	-	2	0	4-6	-
	Thorney Island	1017.6	-8	E'N	2	c	75	65	8	1	3	-	2-3	7-8	4000
	Lympne	1018.8	-10	NE'N	4	b	71	65	7	-	-	-	0	0	-
	Manston	1019.2	-12	NE'E	4	zo	68	75	6	-	-	-	0	0	-
2	Shoeburyness	1020.2	-6	ENE	3	b	67	75	6	-	-	-	0	0	-
	Felixstowe	1020.4	-8	E'N	4	zo	65	65	6	1	-	-	Tr	Tr	4000
	Gorleston	1021.4	-6	NNE	3	b	59	75	6	-	-	-	0	0	-
	Mildenhall	1019.5	-16	ESE	3	c	75	55	8	2	-	-	7-8	7-8	2500
	Cranwell	1021.7	-10	SE	3	zo	69	75	6	8	3	-	4-6	9	2000
3	Birmingham	1020.8	-6	E	2	zo	59	85	6	5	-	-	10	10	800
	Upper Heyford	1020.6	-6	ENE	2	zo	65	75	6	5	-	-	4-6	4-6	800
4	Ross-on-Wye	1020.0	-10	E'N	3	zo	59	85	6	5	-	-	9+	9+	1500
5	Hartland Point	1019.1	-4	NE	3	bc	55	85	6	7	4	-	2-3	4-6	2500
	Bristol	1019.7	-10	ENE	3	zo	61	85	6	5	-	-	9+	9+	1000
	Portland Bill	1019.0	-4	E	2	c	60	85	7	2	4	1	4-6	10	4000
	Plymouth	1019.0	-10	S	1	zo	61	85	6	8	7	-	7-8	9+	1000
	The Lizard	1018.9	0	ENE	3	m	51	85	4	5	-	-	10	10	1000
	Scilly (St. Mary's)	1019.5	+2	NE	1	o	56	85	5	5	-	-	10	10	1200
	Guernsey														
6	Pembroke	1020.1	-8	W	1	c	54	92	6	5	7	-	9	9	2500
7	Holyhead	1020.3	-6	NW'N	3	zo	59	85	6	-	-	-	0	0	-
	Chester (Sealand)	1019.9	-18	S	2	zo	67	65	6	-	3	-	0	2-3	-
8	Manchester	1020.2	-14	SE	1	zo	73	55	6	1	3	-	2-3	2-3	3000
10	Spurn Head	1021.6	-4	ENE	3	b	53	85	6	-	-	-	0	0	-
	Catterick	1021.4	-18	NNE	2	zo	62	65	6	-	3	-	0	Tr	-
	Tynemouth	1024.1	-4	N	3	c	48	92	6	5	-	-	9+	9+	800
11	St. Abbs Head	1024.4	-6	NNW	2	cf+	44	92	3	5	-	-	10	10	200
	Leuchars	1024.4	-10	E	2	e	47	85	7	5	-	-	10	10	900
12	Renfrew (Abbots I.)	1022.8	-12	E'N	3	c	60	65	7	5	3	-	4-6	9+	4000
	Eskdalemuir	1021.8	-10	ENE	4	bc	59	75	8	7	4	-	1	2-3	4000
	Point of Ayre	1021.3	-8	NE'E	2	bc	56	85	8	-	-	4	0	2-3	-
13A	Tiree	1022.0	-6	NNE	2	c	55	75	8	5	3	-	4-6	7-8	3500
13B	Stornoway	*	-12	SE	1	b	56	75	8	-	8	-	0	1	-
15	Dalwhinnie	1024.0	-8	SSE	3	bc	69	35	8	-	-	5	0	2-3	-
	Aberdeen	1025.0	-10	SE	2	if	46	92	5	5	-	-	10	10	100
	Wick	1025.0	-6	SSE	4	c	47	92	6	5	2	-	7-8	10	800
16	Lerwick	1026.9	-6	S	2	c	47	85	6	5	2	-	7-8	10	800
17	Blacksod Point	1020.6	0	-	0	c	58	75	6	-	1	-	0	10	-
18	Malin Head	1021.8	-8	E	2	c	51	85	7	9	-	-	9	9	1500
	Aldergrove	1021.4	-14	ENE	2	zo	62	65	6	1	-	2	2-3	9	3000
19	Birr Castle	1020.8	-2	NE	1	c	61	75	8	5	-	-	9+	9+	4000
20	Valentia Obsy. †	1020.4	+2	-	0	dr	53	97	6	5	2	-	9	10	450
	Roches Point	1020.2	-2	E'S	4	z	55	85	6	5	-	-	10	10	800

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

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)	1016.2	-12	E	3	z	70	55	6	5	1	-	4-6	7-8	2500	1	*
Croydon	1016.4	-18	ENE	3	c	68	65	7	-	9	3	0	9	-	0	*
S. Farnborough	1015.8	-8	SSW	2	z	71	55	7	-	5	6	0	9+	-	0	*
Boscombe Down	1017.0	-2	N	2	tlr	62	75	6	9	-	-	4-6	10	2500	1	*
Thorney Island	1015.8	-2	-	0	ic	69	75	6	5	2	-	7-8	10	4000	1	
Lympne	1016.3	-10	NE	4	bc	64	65	7	-	7	6	0	4-6	-	0	§
Manston	1016.1	-20	NE	3	z	59	75	6	-	3	1	0	4-6	-	0	*
Shoeburyness	1016.8	-18	ENE	3	bc	60	85	7	-	7	3	4-6	4-6	-	1	*
Felixstowe	1018.0	-14	ENE	3	bc	62	65	7	-	-	3	0	2-3	-	0	2
Gorleston	1019.4	-14	NE'N	2	b	58	75	6	-	4	-	0	1	-	0	3
Mildenhall	1017.2	-12	ENE	4	bc	73	55	8	-	-	4	0	4-6	-	0	*
Cranwell	1019.6	-10	E	4	b	68	65	7	-	4	-	0	1	-	0	*
Birmingham	1017.5	-10	E	1	c	70	55	7	2	-	6	2-3	7-8	2500	1	*
Upper Heyford	1016.7	-18	E	3	c	72	65	7	8	4	6	4-6	9+	2200	0	*
Ross-on-Wye	1017.5	-16	NW	1	cd	65	85	6	-	2	6	0	9+	-	0	*
Hartland Point	1017.2	-8	NE	2	c	58	85	6	7	1	-	4-6	10	4000	0	2
Bristol	1018.2	+4	E	2	tlr	64	85	6	9	-	-	10	10	1000	1	*
Portland Bill	1015.4	-12	W	3	ro	56	92	7	5	-	-	10	10	2500	1	3
Plymouth	1018.3	0	ESE	2	z	57	92	5	5	-	-	10	10	2500	1	2
The Lizard	1017.2	-8	NW	3	e	56	85	6	5	2	-	9	10	1600	0	2
Scilly (St. Mary's)	1018.9	-6	N'W	2	c	56	85	6	5	2	-	4-6	10	1500	0	3
Guernsey																
Pembroke	1018.5	-10	N	3	e	59	85	6	5	1	-	4-6	10	2500	0	3
Holyhead	1018.7	-10	NNW	3	z	54	55	6	-	-	1	0	Tr	-	0	2
Chester (Sealand)	1018.0	-14	W	3	z	65	65	9	9	6	-	9	9	2000	0	*
Manchester	1018.2	-8	S	1	z	73	55	6	5	3	-	4-6	7-8	6000	0	*
Spurn Head	1019.9	-8	ENE	3	b	53	85	7	-	-	1	0	Tr	-	0	3
Catterick	1020.1	-10	N'E	3	z	60	75	6	-	-	-	0	0	-	0	
Tynemouth	1022.4	-4	NNE	3	b	51	85	7	-	-	-	0	0	-	0	3
St. Abbs Head	1023.3	-6	E	2	F	45	97	1	-	-	-	10	10	<150	1	2
Leuchars	1023.1	-8	ENE	2	z	47	92	5	5	-	-	10	10	100	0	*
Renfrew (Abbots I.)	1021.3	-6	E'N	3	c	59	65	7	5	5	-	2-3	7-8	3500	0	*
Eskdalemuir	1019.9	-6	ENE	3	b	61	75	8	-	-	-	0	0	-	0	*
Point of Ayre	1019.6	-8	NW'W	2	b	57	85	8	-	-	-	0	0	-	0	2
Tiree	1020.7	-4	N	1	c	54	85	8	5	-	-	9+	9+	2800	0	2
Stornoway	1023.0	-8	NE	4	bc	51	92	8	5	4	-	2-3	4-6	3500	0	3
Dalwhinnie	1021.6	-6	SSE	3	c	61	55	8	4	-	-	9	9	4000	0	*
Aberdeen	1023.4	-10	SE'E	3	if	45	97	6	5	-	-	10	10	200	0	2
Wick	1023.6	-8	ESE	4	c	46	92	7	5	2	-	7-8	10	800	0	3
Lerwick	1025.5	-8	S	2	c	49	85	7	5	7	-	7-8	9	1500	0	*
Blacksod Point	1018.7	-4	NW	1	c	57	80	6	-	1	-	0	10	-	0	1
Malin Head	1020.8	-2	NE	2	bc	51	85	6	5	-	1	4-6	4-6	2500	0	1
Aldergrove	1020.1	-10	ESE	1	bc	63	65	7	5	-	-	2-3	2-3	3000	0	*
Birr Castle	1019.5	-4	W	1	c	62	75	8	5	-	-	10	10	2500	0	*
Valentia Obsy. †	1019.9	-2	W'N	1	c	55	85	7	5	-	-	9+	9+	1500	1	2
Roches Point	1019.6	-6	S	1	z	55	92	6	5	-	-	9	9	1500	1	3

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 4th (37)	13h.—18h. 4th (38)	18h. 4th to 1h. 5th (39)	1h.—7h. 5th (40)
London (Kew)	offbmczo	bcczy	ctlrorroc	crorcbc
Croydon	ofrobcb	bbc	ctlrroro	roTLRroc
S. Farnborough	Fmobbc	bczycy	cytlrrro	crRpro
Boscombe Down	omobcmo	bcz,TLR	cmof	crrmo
Thorney Island	bfc	bcpcir	irmocmo	cror,omo
Lympne	ofbobmo	bbcybc	bccmopR	cmopror0
Manston	omobmoz	bbcz	bczocmo	cir,mo
Shoeburyness	cmbcmobmo	bmbc	bcc	cprrr
Felixstowe	bmozo	bzb	b,cbc	bcc
Gorleston	bcbzo	b	b	bczo
Mildenhall	ofcbzobbcy	bcycyby	bcycbc	bccbc
Cranwell		bczby	bbccbc	bcc
Birmingham	fccz	cbcc	c	c
Upper Heyford	ofdocbccmo	bczbc	ccmoroc	crrmocrrmo
Ross-on-Wye	omomo	czbczc	cmorclr	omodr
Hartland Point	cir	bcc	circrrc	rrcr
Bristol	ocmo	ctlrm	ctlrRmom	cmirorrmo
Portland Bill	ofc	oro	c	oR
Plymouth	cmo	cm	crorommocrm	crrmrorom
The Lizard	czom	mcz	cprrr	c
Scilly (St. Mary's)	offco	oc	c	c
Guernsey				
Pembroke	cmo	cz	crorom	cror
Holyhead	cmob	mb	moc	moroc
Chester (Sealand)	cbczo	tlrocz	cbccmo	cmmo
Manchester	bczoy		czoPR bczo	bcmoczo
Spurn Head	bzo	bz	bbcc	
Catterick	ofmcbzo	bzbbz	bczoom	omo
Tynemouth	offoc	cbcb	bbc	bcco
St. Abbs Head	mocf	Ffc	offc	Femo
Leuchars	ffmjfemoc	ccm	mododomm	omome
Renfrew (Abbots I.)	ocbbcc	czbc	b,como	omo
Eskdalemuir	cbc	bcprb	bbc	bcw
Point of Ayre	cbc	bc	bbcczo	proc
Tiree	bbc	c	c	cbc
Stornoway	b	b,cbc	bcw	bcc,b
Dalwhinnie	bcy	bccy		cbc
Aberdeen	offif	czpif	oifom	omo
Wick	cmo	mc	c	c
Lerwick	ocmo	c	c	c
Blacksod Point	o	o	c	c
Malin Head	c	bc	bcc	c
Aldergrove	cmoccz	czcbc	b,cmow	cmoiromo
Birr Castle	c	c	c	c
Valentia Obsy. †	cdodc	dccmc	bwbcwmo	bccwmocwc
Roches Point	oz	cz	czow	rr

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.*

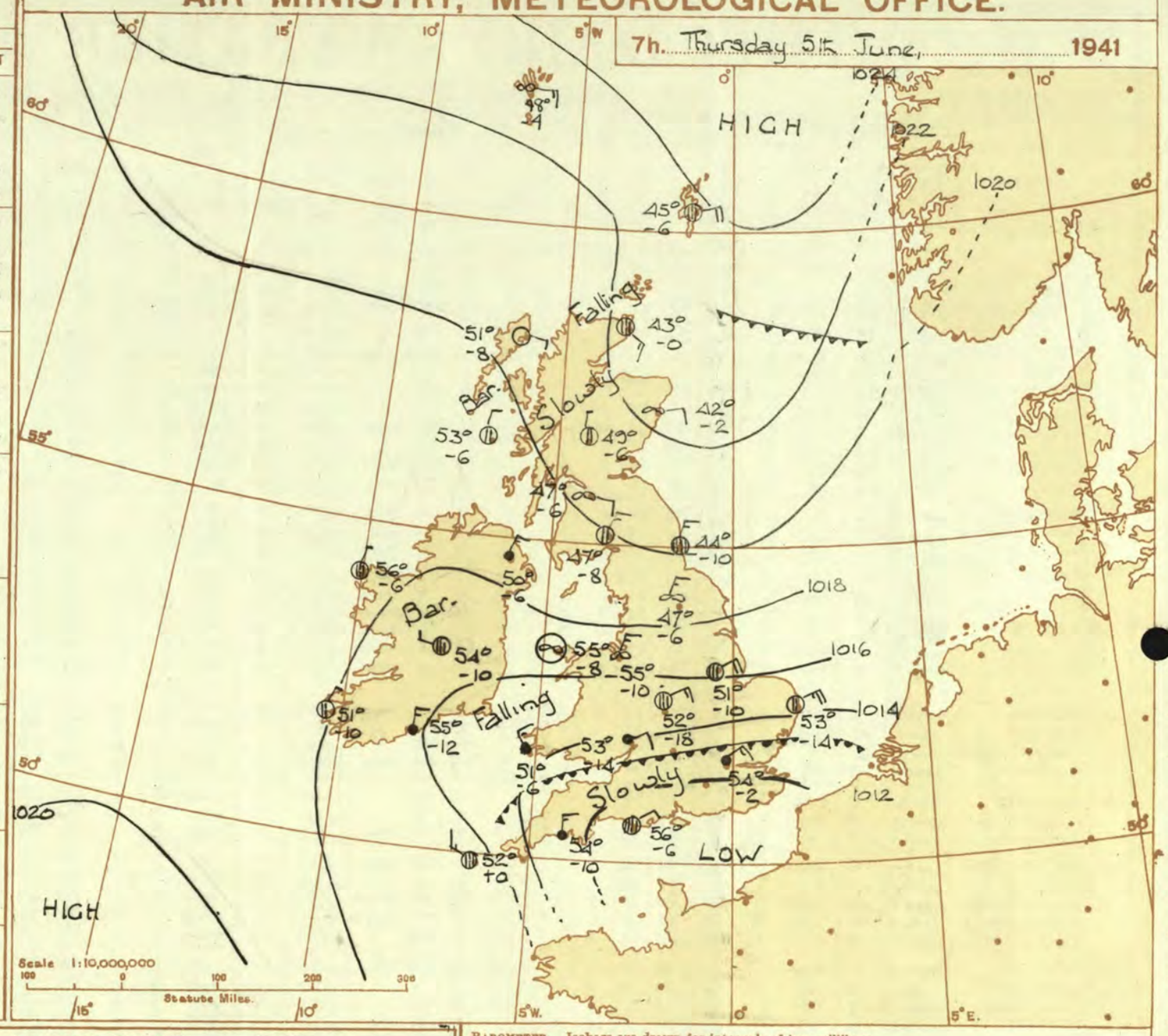
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 5th June, 1941

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 4th June			18h. G.M.T.			01h. G.M.T. 5th June			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
100	5-	03738	10228	5-	03738	03328	5-	03738	10328	5-	03828	08228
115	58	09843	08314	54	09734	08425	52	09734	10427	52	02844	08426
203				04	01890	0621*						
206	5-	01741	10421	5-	02737	04327	5-	02638	00028	5-	52528	04158
210	00	00990	32300	00	09890	06412	5-	05637	20317	5-	21628	00028
220				51	25753	00086				03	01790	27103
230	53	01864	21315	57	02877	30167				00	01890	00014
241	5-	03838	09348	5-	09518	06228	5-	51408	05248	5-	05528	04258
260	5-	05667	04357	5-	05605	06328	5-	43318	08348	5-	06618	04248
277												
279	03	01761	04414	13	00761	05402				52	02765	04515
285	10	05654	12514									
288	53	17663	03244	00	17690	02310	5-	45328	02248	5-	51538	02248
273												
301	00	05650	26300	9-	81648	28188	51	05554	08324	57	05654	08327
321				13	05661	08313	07	05690	02312	03	02790	03316
299	40	05653	08213	00	00790	04200	50	05643	30213			
292	10	00752	03112	40	00763	06213	--	44205	30243			
310	--	03536	08416									
316	5-	05654	06215	20	00763	05213	07	05690	02327	03	05690	04325
333	10	05652	30212	30	01752	27414	5-	05668	28218	51	02745	28368
334	--	01752	12302							--	03647	12328
340	53	05674	10217	23	05651	12314	50	05664	06216	53	05665	02315
136	10	05662	03302				03	01790	06315	20	02873	06415
336	53	01763	08314	53	05652	12315				52	21763	04358
350	53	05654	08344	26	02764	04325	07	05690	05328	52	62765	04468
368	5-	05648	05328									
379	5-	05537	04327	07	05690	04216	47	05644	32328	3-	82648	02488
390	74	25762	08243				57	05564	04326	07	61690	04327
382	54	05644	01224	87	61755	00098	57	05665	04328	3-	81658	02488
438												
430				87	3865	06127	0-	33546	06286	5-	05658	08168
409	52	06465	27267	52	05555	30128	5-	64418	29168	5-	67308	31268

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.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 5th June

Districts.	Forecasts
1 S.E. England	Light easterly winds, becoming southwest tomorrow; cloudy with intermittent rain with chance of local thunder, brighter periods tomorrow; mainly rather cool.
2 E. England ...	
3 E. Midlands ...	Light to moderate easterly winds, veering southeast later; cloudy, some thundery rain or thunderstorms; local coast fog later today; brighter intervals tomorrow; cool.
4 W. Midlands ...	
5 S.W. England	As 1
6 South Wales ...	Light north to northeast winds backing northwest to north; cloudy, occasional rain, often of a thundery type; brighter periods in the Southwest tomorrow; rather cool.
7 North Wales ...	
8 N.W. England	Light winds, mainly between east and north; cloudy; intermittent rain spreading from the South; bright periods at first; rather cool.
9 N. Midlands	
10 N.E. England	Light to moderate northeast winds; cloudy or dull; fog on the coasts today, clearing tomorrow; some drizzle or light rain later; very cool.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 8-9
13 A. W. Scotld. / B.N.W. Scotland.	Light variable winds; fair or fine today; some thundery rain or thunderstorms probable tomorrow; rather warm at first, then cooler.
14 Mid Scotland	
15 N. E. Scotland	Moderate easterly winds; cloudy, some coastal drizzle; very cool.
16 Orkneys and Shetlands	
17 N. W. Ireland	As 13A - 14
18 N. E. Ireland	
19 S. E. Ireland	As 1-7
20 S. W. Ireland	

GENERAL INFERENCE.

Pressure is high to northward of the British Isles, and from the Azores to Spain. A shallow depression centred over the English Channel will drift slowly north or northwest and be associated with thundery rain and local thunderstorms over most of England and Wales and later in Ireland.

Temperatures will remain rather low for the season.

FURTHER OUTLOOK.

Brighter conditions in the South and Southwest, but with showers
Dull and cool in the Northeast

Warm Front
Cold Front
Occlusion

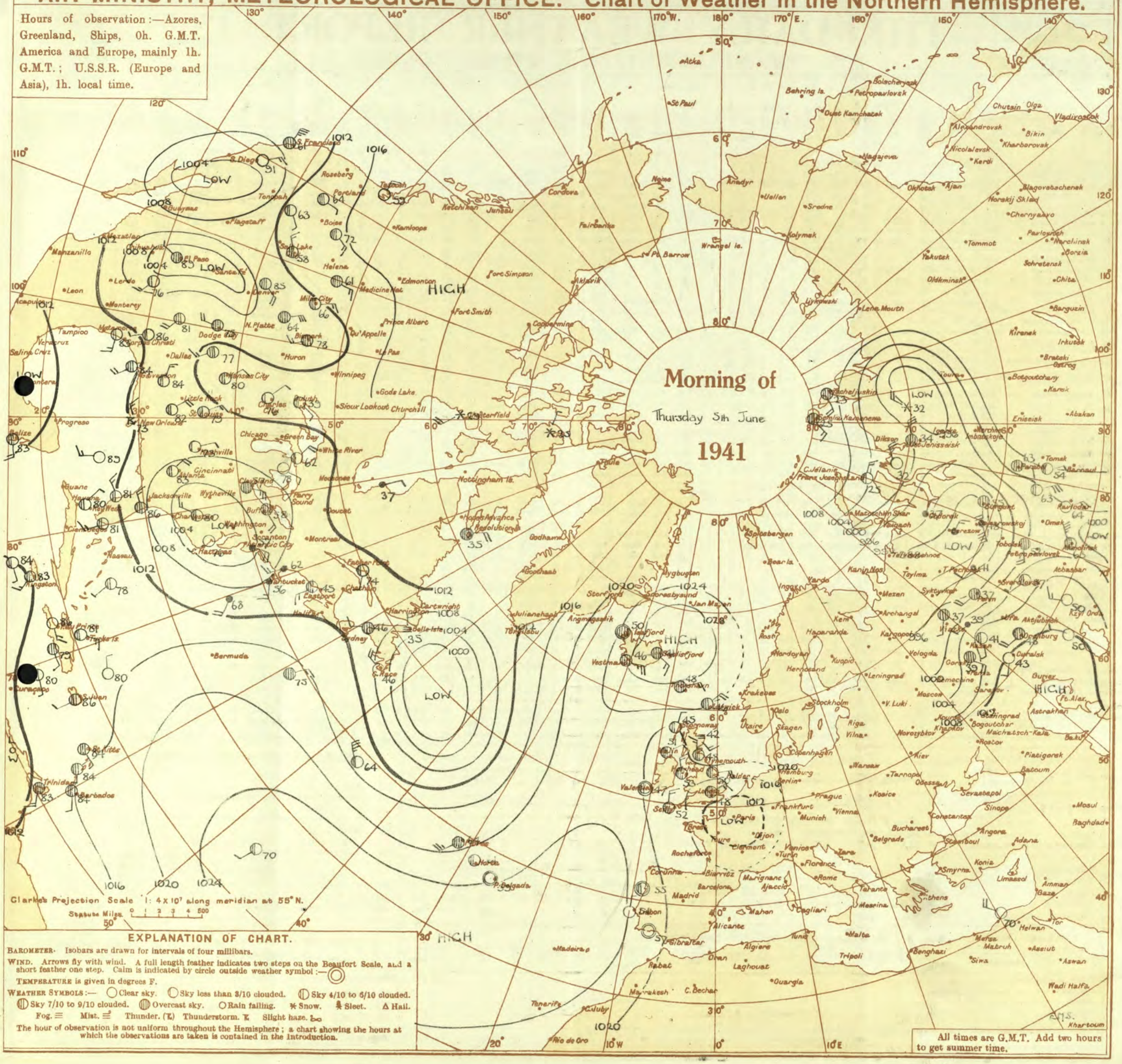
Forecasts issued at 10.30 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266. No. 8176. D. 6034. Gp. 948. 9300. 5/41

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 two hours to get summer time.

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 5th June 1941

No. 29050

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

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	1015.0	-14	NE	3	c/r	58	85	7	4	7	-	4-6	10	2500
	S. Farnborough	226	1014.0	-22	E	3	r_0r_0	57	92	6	3	-	-	10	10	4800
	Boscombe Down	417	1015.4	-10	N	1	z_0	58	97	6	5	2	-	7-8	10	2500
	Thorney Island	10	1013.1	-16	NE'N	4	z_0	60	75	5	5	3	-	4-6	9+	2500
	Lympne ...	346	1014.8	-4	NE	3	PR	55	92	5	8	-	-	10	10	1500
	Manston ...	154	1013.7	-16	NE	4	z_0	55	92	6	5	2	-	9	10	6500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1016.4	+2	ENE	4	c	55	75	7	-	4	8	0	7-8	-
	Gorleston ...	5	1017.8	-10	NE'E	4	b	54	75	6	-	4	-	0	1	-
	Mildenhall ...	19	1016.3	-10	ENE	2	c	53	65	7	-	7	-	0	7-8	-
	Cranwell ...	240	1018.8	-6	NE	3	bc	51	85	7	5	1	-	4-6	4-6	1000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1016.0	-6	ENE	3	c	58	75	7	5	7	-	7-8	10	3500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1016.8	-6	SW	2	rr	52	97	4	5	2	-	7-8	10	1500
	Bristol ...	209	1015.9	-12	WNW	1	m	57	97	4	5	7	-	9	10	2000
	Portland Bill ...	32	1013.6	-10	NW	3	c	56	92	7	5	-	-	10	10	2500
	Plymouth ...	82	1016.3	-14	-	0	rr	56	97	4	5	2	-	7-8	10	1500
	The Lizard ...	240	1017.6	-4	NW	3	rr	52	97	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	1018.0	-6	NNW	3	c	52	92	6	5	2	-	9	10	1500
	Guernsey ...	175														
6	Pembroke ...	142	1017.3	-6	NW	2	r_0r_0	51	92	6	8	2	-	7-8	10	2500
7	Holyhead ...	26	1017.3	-12	N'W	3	z_0	53	92	6	5	2	-	4-6	10	2500
	Chester (Sealand)	16	1017.5	-6	NW'N	1	z_0	55	85	6	5	1	-	4-6	10	3500
8	Manchester ...	70	1017.8	-4	NE'N	3	z_0	57	85	6	5	3	-	2-3	4-6	3000
10	Spurn Head ...	29	1018.9	-8	E'N	4	c	50	85	7	-	7	4	0	7-8	-
	Catterick ...	175	1020.7	-4	NNW	2	m	48	97	4	5	-	-	10	10	200
	Tynemouth ...	108	1022.1	-2	N	3	bc	48	92	6	2	-	-	4-6	4-6	2500
11	St. Abbs Head	280	1021.9	-2	ESE	2	F~	43	97	1	-	-	-	10	10	<150
	Leuchars ...	36	1022.4	-2	E	2	z_0	43	97	5	5	-	-	10	10	200
12	Renfrew (Abbots I.)	19	1021.5	0	E	2	z_0	47	97	6	5	-	-	10	10	500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1018.2	-6	ENE	2	c	52	97	6	5	2	-	7-8	10	2500
13A	Tiree ...	22	1019.5*	-2*	N'W*	1*	c*	51*	85*	8*	5*	-*	*	7-8	7-8	2800
13B	Stornoway ...	80	1022.2	-4	NNE	2	bc	45	97	7	5	-	-	2-3	2-3	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1023.4	+2	SE	3	c	44	92	8	5	2	-	7-8	10	800
16	Lerwick ...	156	1025.5	+2	NE	4	c	46	85	7	5	2	-	7-8	10	800
17	Blacksod Point	18	1019.5	-4	-	0	c	53	92	6	-	7	-	0	9+	-
18	Malin Head ...	84	1020.3	-4	NE	1	c	51	97	7	4	7	-	4-6	7-8	4000
	Aldergrove ...	268	1019.6	-6	-	0	c	50	85	6	-	3	-	0	7-8	-
19	Birr Castle ...	173	1018.9	-6	W	1	c	56	97	8	5	-	-	10	10	2500
20	Valentia Obsy.	30	1019.8	-4	-	0	z_0	47	97	6	5	-	-	4-6	4-6	2500
	Roches Point	22	1018.5	-6	N	2	z_0	54	97	6	5	-	-	9+	9+	1500

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

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)	1012.4	-8	NE	3	c/r	55	75	5	5	2	-	9	10	2500	1	*
Croydon	1012.6	-2	NE	3	r_0	54	92	5	5	2	-	7-8	10	4000	1	*
S. Farnborough	1011.8	-6	E'N	2	c	54	85	6	5	3	-	4-6	9+	4000	1	*
Boscombe Down	1012.2	-12	NE'E	3	c/r	52	92	6	5	2	-	7-8	10	1500	1	*
Thorney Island	1011.1	-2	E	2	z_0	58	92	5	5	7	-	4-6	10	4000	1	
Lympne	1013.0	-4	SE	2	z_0	60	92	6	5	9	-	9	9+	6000	1	§
Manston	1012.3	0	SSE	1	c/r	56	92	5	5	7	-	2-3	10	6000	1	*
Shoeburyness	1013.2	0	NE	3	r_0r_0	54	92	6	6	7	-	4-6	10	4000	1	*
Felixstowe	1013.8	+2	ENE	4	c	55	75	7	2	3	7	1	9+	3500	0	3
Gorleston	1014.2	-14	NE'E	5	bc	53	75	7	-	7	-	0	4-6	-	0	3
Mildenhall	1013.1	-16	ENE	5	bc	57	65	8	2	7	8	1	4-6	2000	0	*
Cranwell	1017.2	-10	NE	4	c	51	75	8	1	4	6	Tr	9	2500	0	*
Birmingham	1014.4	-18	NE	3	c	52	75	6	5	7	-	7-8	9+	4000	1	*
Upper Heyford	1013.8	-10	NE'N	3	rr	50	92	6	6	2	-	9	10	700	1	*
Ross-on-Wye	1014.0	-14	NE	2	rr	53	85	6	6	2	-	4-6	10	800	1	*
Hartland Point	1013.5	-16	SSE	2	rf	51	97	3	-	-	-	10	10	<150	1	2
Bristol	1012.9	-16	NNE	2	rr	52	85	5	5	2	-	4-6	10	3000	1	*
Portland Bill	1011.7	-6	NE	1	c/r	56	92	7	5	-	-	10	10	2500	1	3
Plymouth	1013.6	-10	N	3	r_0r_0	54	97	5	5	2	-	9	10	1500	1	2
The Lizard	1014.7	0	NW	3	c	52	92	6	5	2	-	9	10	1000	1	3
Scilly (St. Mary's)	1016.2	-2	NW'N	4	c	52	97	6	5	-	-	10	10	1200	0	3
Guernsey																
Pembroke	1014.4	-6	NW'N	3	r_0r_0	51	97	6	5	-	-	9+	10	2500	1	3
Holyhead	1013.7	-8	-	0	z_0	55	97	6	5	2	-	7-8	10	3500	0	1
Chester (Sealand)	1016.1	-10	NNE	3	z_0	55	75	5	5	3	-	9	9+	4000	0	*
Manchester	1016.5	-10	NE'E	2	z_0	55	65	6	5	9	-	2-3	9	4000	0	*
Spurn Head																
Catterick	1019.6	-6	NNE	3	z_0	47	85	6	5	-	-	9+	9+	800	0	*
Tynemouth	1021.3	-10	NNE	3	o	44	97	8	5	-	-	10	10	600	0	2
St. Abbs Head	1021.3	-2	NE	1	o	41	97	7	5	-	-	10	10	800	1	2
Leuchars	1021.6	-2	ENE	2	c	43	97	7	5	-	-	10	10	400	0	*
Renfrew (Abbots I.)	1020.8	-6	E'S	2	z_0	47	85	6	5	-	-	10	10	800	0	*
Eskdalemuir	1019.5	-8	NNE	3	bc	47	85	8	5	-	9	2-3	2-3	1500	0	
Point of Ayre	1017.6	-4	ENE	3	c	51	92	7	5	-	-	9+	9+	4000	0	3
Tiree	1017.6	-6	NNE	1	bc	53	85	7	5	-	-	4-6	4-6	2800	0	2
Stornoway	1020.6	-8	ESE	1	b	51	92	8	-	-	-	0	0	-	1	1
Dalwhinnie	1021.3	-6	N	1	bc	49	75	8	8	-	8	1	2-3	1500	1	*
Aberdeen	1022.0	-2	E'N	2	z_0	42	97	5	5	-	-	10	10	400	0	2
Wick	1022.7	0	SE	3	c	43	97	8	5	2	-	7-8	10	800	0	3
Lerwick	1023.9	-6	ENE	4	c	45	85	7	5	2	-	7-8	10	800	0	*
Blacksod Point	1018.0	-6	N'E	1	c	56	85	6	-	7	-	0	10	-	0	1
Malin Head	1018.7	-6	-	0	c	52	92	7	4	7	-	4-6	7-8	5700	0	0
Aldergrove	1018.3	-6	NE'N	3	r_0	50	85	6	5	7	-	9	10	2500	0	*
Birr Castle	1017.1	-10	WNW	1	c	54	92	8	5	-	-	10	10	2500	0	*
Valentia Obsy.	1018.1	-10	NE'N	1	bc	51	97	7	5	-	-	4-6	4-6	2500	1	2
Roches Point	1016.1	-12	N	3	rr	55	97	6	6	2	-	7-8	10	800	1	3

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 4th Hrs. (36)
London (Kew)	73	54	53	-	5	7.5
Croydon	72	53	53	Tr	9	6.9
S. Farnborough	76	53	52	-	10	5.5
Boscombe Down	72	52	52	18	8	4.0
Thorney Island	78	57	50	0.5	14	*
Lympne	72	54	54	-	3	9.7
Manston	69	52	50	*	0.2	*
Shoeburyness	69	54	48	-	0.2	9.2
Felixstowe	67	53	50	-	-	13.4
Gorleston	63	52	49	-	-	*
Mildenhall	76	52	46	-	-	9.5
Cranwell	73	47	46	-	-	8.7
Birmingham	71	52	50	*	-	[illegible]
Upper Heyford	73	49	50	Tr	5	*
Ross-on-Wye	66	53	50	-	3	1.9
Hartland Point	60	51	51	Tr	4	3.6
Bristol	65	51	51	0.1	12	2.4
Portland Bill	61	50	*	0.2	11	*
Plymouth	63	53	51	2	29	0.[illegible]
The Lizard	59	50	*	-	3	0.4
Scilly (St. Mary's)	56	52	*	-	-	0.0
Guernsey						
Pembroke	62	50	*	-	1	2.3
Holyhead	61	51	49	-	Tr	8.6
Chester (Sealand)	74	54	52	Tr	-	5.0
Manchester	75	52	49	-	1	7.4
Spurn Head			*	-		
Catterick	64	46	46	-	-	9.6
Tynemouth	51	44	43	-	-	*
St. Abbs Head	47	41	*	-	Tr	*
Leuchars	48	42	43	-	Tr	0.0
Renfrew (Abbots I.)	61	45	43	Tr	-	7.8
Eskdalemuir	64	41	40	0.1	-	9.4
Point of Ayre	58	50	*	Tr	Tr	8.0
Tiree	56	48	*	-	-	8.0
Stornoway	60	43	*	-	-	15.6
Dalwhinnie	70	35	28	-	-	10.2
Aberdeen	48	41	41	Tr	-	0.9
Wick	47	42	*	-	-	*
Lerwick	52	44	*	-	-	1.7
Blacksod Point	61	49	*	Tr	-	*
Malin Head	54	48	*	-	-	2[illegible]
Aldergrove	64	45	42	-	Tr	4.3
Birr Castle	65	52	49	-	-	1.2
Valentia Obsy.	56	46	41	0.4	Tr	0.1
Roches Point	56	53	*	0.2	4	*

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.	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.
		24 hrs. ended 9h.											
Kew ...	18	ofbmcz₀	beecz₀y	ctlr₀r₀cr₀c	73	54	53	-	5	7.5	*	*	5
Croydon ...	217	ofr₀beb	bbc	ctlr r₀r₀	72	53	53	Tr	9	6.9	*	*	5
Greenwich (Royal Observatory)...	149	omb	byc	ctocir	73	54	52	-	1	6.4	58	85	7
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	75	55	54	·1			60	84	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	75	54	51	-	2		53	82	*
Camden Square ...	110	p	bc	°	77	55	53		1	*	*	81	*
Kensington ...	80	ombc	bbc	*	76	55	52*	Tr	2		54	83	*
Hampstead Observatory ...	450	obc	ortl	c	72	52	50	-	1		*	84	*

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.
0.5	10h 4th	<0.1	18h 4th

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

‡ 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.

BRITISH SECTION

Friday 6th June 1941

No. 29051

SECRET

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

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)	1012·3	0	ENE	3	o/r	58	85	5	5	-	-	10	10	2500
	Croydon	1012·3	0	ENE	3	ido	56	97	4	6	2	-	9	10	400
	S. Farnborough	1011·9	+2	E	2	df	57	97	3	5	-	-	10	10	400
	Boscombe Down	1011·7	-2	NE'E	3	ido	54	92	5	5	2	-	7-8	10	300
	Thorney Island	1011·5	+4	E'N	3	zo	58	92	6	5	2	-	10	10	800
	Lympne	1013·7	+4	SW	1	rf	56	97	2	-	-	-	10	10	<150
	Manston	1012·5	+2	-	0	ido	57	92	5	5	-	-	10	10	600
2	Shoeburyness	1013·4	+4	NE'E	3	c	54	85	6	5	-	-	10	10	1500
	Felixstowe	1013·7	+2	ENE	4	c	53	85	7	5	-	-	10	10	5000
	Gorleston	1014·7	-10	NE'N	4	c	52	85	6	5	-	-	10	10	2000
	Mildenhall	1013·3	-4	NE'E	3	c	59	65	8	5	2	-	2-3	10	2000
	Cranwell	1016·4	-6	NE'E	5	c	54	75	8	5	2	-	4-6	10	500
3	Birmingham	1014·0	-4	ENE	4	c	53	85	6	6	2	-	9+	10	800
	Upper Heyford	1012·6	-8	NE	4	c/d	54	85	6	5	7	-	7-8	10	600
4	Ross-on-Wye	1012·8	-10	NE	3	zo	53	85	6	5	2	-	9	10	1500
5	Hartland Point	1012·8	-8	NE	3	rr	51	97	5	5	2	-	4-6	10	400
	Bristol	1012·1	-8	NNE	2	ido	53	92	6	5	2	-	7-8	10	1400
	Portland Bill	1010·9	+6	W	2	roro	52	92	7	5	-	-	10	10	1500
	Plymouth	1013·2	0	W	2	rr	54	97	5	6	2	-	9	10	800
	The Lizard	1014·0	-2	NNW	2	rr	53	97	4	5	-	-	10	10	1000
	Scilly (St. Mary's)	1015·0	-6	N	2	c	56	85	6	5	2	-	7-8	10	1500
	Guernsey														
6	Pembroke	1013·3	-2	NE'E	4	ro	55	85	7	8	-	-	10	10	2500
7	Holyhead	1014·8	-4	N'E	2	c/r	58	75	6	5	2	-	7-8	10	3500
	Chester (Sealand)	1015·2	-2	SSE	2	zo	59	65	6	5	7	-	2-3	10	5000
8	Manchester	1015·1	-4	E'N	4	c	65	45	7	8	9	1	4-6	9+	3500
10	Spurn Head	1016·7	-4	NE	5	o	49	75	7	5	-	-	10	10	2500
	Catterick	1017·6	-14	NNE	4	zo	52	75	6	5	-	-	7-8	7-8	800
	Tynemouth	1019·6	-10	NE	3	o	45	92	7	5	-	-	10	10	900
11	St. Abbs Head	1020·0	-8	NNW	2	o	44	92	7	5	-	-	10	10	600
	Leuchars	1020·0	-10	ESE	2	c	47	85	8	5	-	-	10	10	1200
12	Renfrew (Abbots I.)	1018·0	-18	ENE	3	bc	62	55	7	-	3	1	0	4-6	-
	Eskdalemuir	1016·9	-10	E'N	3	bc	62	55	8	-	4	-	0	2-3	-
	Point of Ayre	1015·9	-10	ENE	3	c	58	85	8	-	3	7	0	10	-
13A	Tiree	1017·0	-4	NNW	1	bc	58	75	8	-	3	-	0	4-6	-
13B	Stornoway	1019·9	0	NE	3	b	56	85	8	-	-	6	0	tr	-
15	Dalwhinnie	1019·9	-8	SSE	3	bc	72	45	8	2	-	8	4-6	4-6	2500
	Aberdeen	1021·0	-6	NE	3	o	46	85	7	5	-	-	10	10	1200
	Wick	1021·3	-6	E	3	c	47	85	8	5	2	-	7-8	10	1500
16	Lerwick	1023·0	-2	NE'E	4	c	48	75	7	5	7	-	7-8	9	1500
17	Blacksod Point	1016·8	-4	NNE	3	ro	59	85	6	6	-	-	10	10	1500
18	Malin Head	1017·5	-6	-	-	c/pr	61	92	7	6	-	-	9+	9+	1500
	Aldergrove	1017·0	-8	NE'N	1	m/r	56	85	4	5	2	-	4-6	10	2000
19	Birr Castle	1015·7	-6	NW	1	ir	55	87	7	5	-	-	10	10	2500
20	Valentia Obsy. †	1015·7	-10	NW	3	c	58	85	7	5	-	-	9+	9+	2500
	Roches Point	1014·8	-6	NNW	2	ro	59	92	6	6	2	-	7-8	10	800

OBSERVATIONS at 18h. G.M.T. 5th June — 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)	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)	Weather 7h.–13h. 5th (37)	Weather 13h.–18h. 5th (38)	Weather 18h. 5th – 1h. 6th (39)	Weather 1h.–7h. 6th (40)
London (Kew)	1011·7	-6	E'N	3	m	56	92	4	5	-	-	10	10	2500	1	*	cigmom	cddgma	omroroO	rorocmo
Croydon	1011·8	-4	ENE	2	m/d	55	97	4	5	-	-	10	10	200	1	*	cmid	cgdm	omofudo	ofidocmo
S. Farnborough	1011·2	-4	E'N	2	m	56	92	4	5	-	-	10	10	600	1	*	omdf	odofomm	idomo	id omcmo
Boscombe Down	1011·5	+2	S'W	2	dd	56	97	4	5	-	-	10	10	200	1	*	emcigm	cidomo	cdodo cmo	
Thorney Island	1011·1	-6	SSE	1	dd	58	97	2	-	-	-	10	10	<150	1		omofmom	moffdd	orffddcmo	c,omo
Lympne	1013·3	-2	SE	2	F+	58	97	1	-	-	-	10	10	<150	1	§	cmfgof	goffd	off	oFFdom
Manston	1012·3	0	SSW	2	z	58	85	6	8	7	-	7-8	9+	2000	1	*	cmoid	odlfdm	cmoocmo	cmoomid
Shoeburyness	1013·1	0	NE'E	2	ido	53	97	6	5	-	-	10	10	450	1	*	rororrc	coido	mododomo	omdodo
Felixstowe	1013·2	-2	NE'E	4	dd	51	92	6	5	-	-	10	10	500	1	3	ceirc	eirocodo	didoir	ororormo
Gorleston	1014·1	-4	NE	3	c	52	85	7	5	-	-	9+	9+	1800	0	3	bcc	c	c	coiro
Mildenhall	1012·6	+2	NE'E	2	ro	54	75	8	5	2	-	4-6	10	2500	1	*	bccyc	ccio	oir	oirmo oddoiro
Cranwell	1015·4	-6	ENE	4	c	48	85	7	5	-	-	10	10	2500	0	*	c	ciroc	cciroc	oiro omo
Birmingham	1013·2	-6	ENE	4	ro	49	85	5	6	2	-	7-8	10	800	1	*	borr	oiro		
Upper Heyford	1012·2	-8	NE	4	r/d	51	92	6	5	2	-	9	10	800	1	*	crrirocid	cidmcm	cmodd	cmoddidocmo
Ross-on-Wye	1012·1	-4	NE'E	3	roro	51	97	6	6	-	-	10	10	800	1	*	rrRcRo	idoro	Ridoro	irop
Hartland Point	1011·9	-2	N	2	dF	50	97	1	-	-	-	10	10	<150	1	3	rFrFrr	rdFdF	dFc	Fcmo
Bristol	1011·3	-6	NE	3	dodo	53	85	4	-	2	-	10	10	500	1	*	crrrog	dcdFrf	oddomomf	odfm
Portland Bill	1010·8	+6	WSW	2		51	92		5	-	-	10	10		1	2	brr	c	o	oc
Plymouth	1012·9	+2	WNW	2	roro	54	97	6	6	2	-	9	10	600	1	2	crrm	crrrorm	croro, fidomo	cmo
The Lizard	1013·2	-4	W	5	o	51	97	5	5	-	-	10	10	1000	1	4	rororr	rrfFom	cbcw	FF
Scilly (St. Mary's)	1014·2	-6	WNW	4	c	53	92	7	5	7	-	4-6	10	1500	0	3	oc	c	c	coFc
Guernsey																				
Pembroke	1012·4	-4	N'W	2	roro	50	97	5	5	2	-	7-8	10	2000	1	2	irom	rorom	FcFo	qcm
Holyhead	1013·4	-6	E'S	2	ror	53	97	6	5	2	-	9	10	3200	1	1	roromoc	rrmc	romoq/cro	qromoc
Chester (Sealand)	1013·6	-10	ESE	1	rr	54	85	5	5	2	-	9	10	2000	1	*	cmzoyr	crororm	morrroromoiro	crododom
Manchester	1013·2	-14	NE	4	rr	58	85	5	5	2	-	7-8	10	3000	1	*	bczoy	zocprorm		crororrromo
Spurn Head	1014·9	-10	NNE	5	c	48	85	7	5	-	-	9+	9+	7500	0	4	o	c	omo	omo
Catterick	1016·2	-12	N	3	zo	49	75	6	5	9	2	4-6	7-8	600	0		cmobcm	cmobczo	bczo omo	omooidomo
Tynemouth	1018·6	-8	NE	4	c	46	92	8	8	-	-	7-8	7-8	1200	0	2	o	oc	c	obc
St. Abbs Head	1018·4	-6	N	2	o	44	92	9	5	-	-	10	10	1500	0	2	o	o	c	comf
Leuchars	1018·3	-10	E	2	c	47	85	8	5	-	-	10	10	1100	0	*	c	c	cmo	cmocb
Renfrew (Abbots I.)	1016·6	-10	E	3	c	58	55	7	5	7	6	2-3	7-8	2500	0	*	omobcm	bcc	bcmoc	c
Eskdalemuir	1015·4	-10	E'N	4	bc	57	65	8	-	7	1	0	2-3	-	0	*	bcby	by	bzo	bmow
Point of Ayre	1014·0	-12	ENE	2	c	56	85	8	5	1	-	9+	10	6000	0	3	c	c	irocc	c
Tiree	1015·3	-4	NNW	1	c	56	85	8	5	3	-	4-6	9+	3500	0	2	bc	bcc	cbc	coc
Stornoway	1017·8	-6	NE	3	bc	54	85	8	-	-	9	0	4-6	-	0	2	b	bbc	bcb	bbc
Dalwhinnie	1017·4	-6	SSE	3	bc	65	55	8	-	6	8	0	4-6	-	0	*	bcy	bcy		bc,m
Aberdeen	1019·1	-6	ENE	3	c	48	85	7	5	-	-	9+	9+	1500	0	2	ozo	ob,c	cbcb	bbc
Wick	1020·1	-6	E	3	c	47	85	8	5	7	-	7-8	10	1500	0	3	c	c	c	c
Lerwick	1021·4	-6	E'N	4	c	46	75	8	5	7	-	4-6	7-8	1500	0	*	c	c	cbc	cbc
Blacksod Point	1015·3	-10	NNE	4	rr	54	97	6	6	-	-	10	10	800	1	4	iro	rr	iro	iro
Malin Head																	cprorc		c	c
Aldergrove	1015·4	-8	W	1	m	58	85	4	5	2	-	9	10	4000	0	*	cirocm	cm	cmiromo	cirocwm
Birr Castle	1013·7	-6	NW	1	c	58	92	8	5	1	-	7-8	10	2500	1	*	cir	c	cir	cir
Valentia Obsy. †	1014·1	-10	NNW	4	o/d	55	92	6	5	-	-	10	10	450	0	3	bcc	cidom	omdodoom	omdodoc
Roches Point	1013·1	-10	S	1	dr	55	97	5	5	-	-	10	10	450	1	3	ciro	drdr	rr	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.*

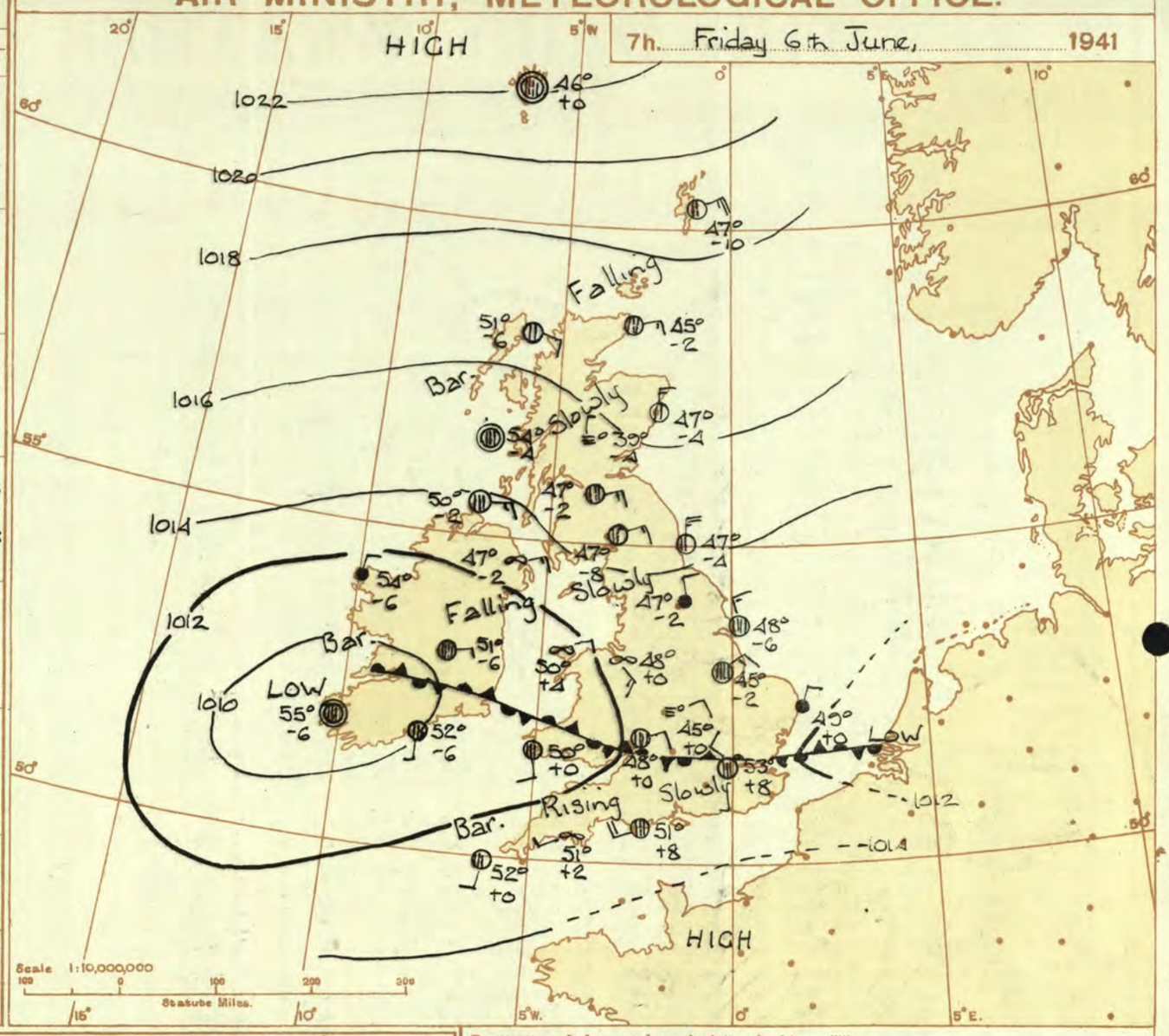
Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 5th June				18h. G.M.T.			01h. G.M.T. 6th June				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	C$_L$C$_M$
109	5-	02847	08427	5-	02745	07325	5-	02847	06427	5-		02847	04327	5-
115	51	02844	10525	51	09834	10525	54	09844	10525	54		01844	10525	54
203	--	09830	02410	--	09830	04413								
206	5-	02738	02158	5-	02847	06327	5-	02847	08327	5-		02847	08227	5-
210	5-	02847	04527	50	01833	06403	5-	02835	00015	5-		02847	07157	5-
220	03	05730	28203	03	05730	29203				00		05730	12300	00
230	13	01861	20214	57	02873	22215	57	01674	00015	17		00761	32111	17
245	5-	02837	06327	54	01843	06423	53	00741	04111	00		00830	10102	00
260	50	05641	06312	5-	05645	06315	5-	02737	04227	5-		02738	06328	5-
277														
279	07	01830	06514	07	01890	07414				5-		02846	05516	5-
285	13	05661	10414							23		01634	02314	23
288	5-	05638	04428	5-	02746	03226	5-	08438	02228	5-		05638	01258	5-
273														
301	57	02764	08325	53	61664	08288				52		05554	14328	52
321	28	05764	06415	57	02772	06428	57	05636	03228					
299	5-	03748	30528	5-	01745	32415				5-		57348	30458	5-
292	00	00830	06212	07	01830	02315	57	05633	32205	5-		05638	29228	5-
310	--	02648	08528							--		54428	08458	--
316	57	22583	04468	57	61624	04468	5-	61648	04368	5-		61548	04168	5-
333	52	22775	32368	52	62755	04368	5-	02658	02268	52		50745	11328	52
334										--		03547	12328	--
340	5-	64648	04268	5-	62658	06268	5-	22548	10268	52		05537	12358	52
136	57	02735	04428	53	02736	04428				5-		21628	01158	5-
336	52	22763	04368	52	22543	08368				52		22643	12368	52
350	52	61636	02468	52	05637	02468								
368										02		21428	07158	02
379	67	61745	04428				--	57109	02259	--		57309	04153	--
390	57	05673	10367	5-	21627	12158				--		57309	04163	--
382	57	02764	04428	5-	21648	04358	5-	52518	04258	02		52418	00058	02
438														
430	5-	05538	10348	--	57209	00059				5-		05528	22328	5-
409	02	67108	27268	02	67208	26268	5-	05528	20468	51		05626	16227	51

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 6th June, 1941



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 6th June
1 S.E. England 2 E. England ...	Light variable wind becoming southwest in extreme South; dull with occasional rain or drizzle, a few bright intervals in extreme South; cool.
3 E. Midlands ... 4 W. Midlands ...	Light variable wind, dull and misty, occasional slight rain or drizzle; cool.
5 S.W. England	As 1.
6 South Wales ... 7 North Wales ...	As 2-4
8 N.W. England 9 N. Midlands ...	Light or moderate easterly wind, dull, occasional slight rain or drizzle; cool.
10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / P.N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Light or moderate east wind; mainly cloudy, but some bright intervals in the West; rather cool.
17 N. W. Ireland 18 N. E. Ireland	Light easterly wind; cloudy; occasional slight rain; cool.
19 S. E. Ireland 20 S. W. Ireland	Light variable wind; cloudy; occasional light rain; cool.

GENERAL INFERENCE.

Pressure is high to North and Northeast of the British Isles. A complex low pressure area covering England, Wales and Ireland is almost stationary and a secondary over the Bay of Biscay will move east. Over most of Scotland weather will continue fair, but there will be rain at times in all other districts, although some brighter periods are expected to spread to the extreme South of England.

FURTHER OUTLOOK.

Fair in the North; cloudy with occasional rain in the South and Midlands.

Warm Front
Cold Front
Occlusion

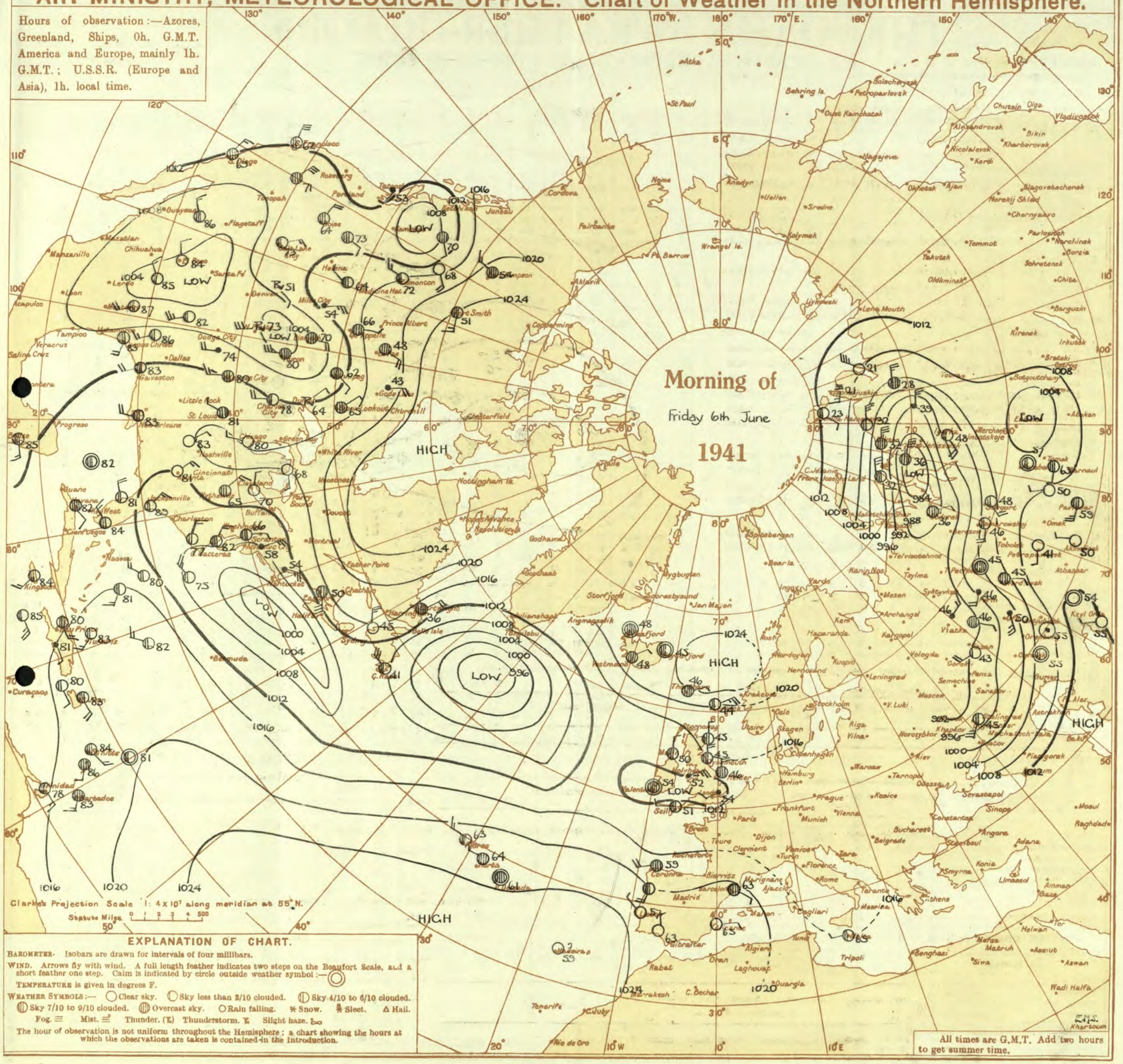
Forecasts issued at 10.30h. G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266. No. 8176. D. 6034. Gp. 942. 9300. 5/41

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 two hours to get summer time.

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday 6th June 1941
No. 29051

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

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	1012·0	+2	SE	2	id0	53	92	4	5	-	-	10	10	500
	S. Farnborough	226	1011·9	0	WSW	2	id0	54	97	4	5	-	-	10	10	600
	Boscombe Down	417	1012·5	+2	W'S	2	z0	52	97	5	5	2	-	7-8	10	700
	Thorney Island	10	1012·9	+6	W	3	z0	53	97	5	5	-	-	10	10	300
	Lympne ...	346	1013·6	+2	SW	2	F+	51	97	1	-	-	-	10	10	<150
	Manston ...	154	1012·3	-2	WSW	2	z0	52	97	6	5	-	-	10	10	500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1012·4	-2	NE'N	2	r0r0	50	97	5	5	-	-	10	10	200
	Gorleston ...	5	1013·3	-4	NE'E	3	c	49	92	6	5	-	-	10	10	1500
	Mildenhall ...	19	1012·5	-6	NE	2	ir	50	92	7	-	2	-	10	10	800
	Cranwell ...	240	1014·8	-2	NE	4	c	45	92	7	5	-	-	10	10	1200
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1012·4	-2	NE	3	dd	48	97	6	-	2	-	10	10	500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1011·8	-4	W	3	F+	51	97	1	-	-	-	10	10	<150
	Bristol ...	209	1012·2	+2	N	2	df	51	97	3	-	2	-	10	10	200
	Portland Bill ...	32	1011·8	+6	W	4	o	50	92	7	5	-	-	10	10	2500
	Plymouth ...	82	1013·6	-2	WSW	4	c/d	52	97	5	6	7	-	9	9+	600
	The Lizard ...	240	1013·4	0	WSW	4	bc	51	97	7	8	-	-	4-6	4-6	1500
	Scilly (St. Mary's)	163	1013·4	-6	W'S	2	c	51	97	5	5	1	-	2-3	10	1500
	Guernsey ...	175														
6	Pembroke ...	142	1011·8	+2	SW'W	2	F+	50	97	1	-	-	-	10	10	<150
7	Holyhead ...	26	1011·8	-8	ENE	5	r0r0	52	97	5	5	2	-	9	10	2500
	Chester (Sealand)	16	1013·5	-2	E'N	1	m	51	92	4	6	-	-	10	10	1500
8	Manchester ...	70	1013·8	-2	NE	2	ir0	47	85	5	5	2	-	9	10	2000
10	Spurn Head ...	29	1014·4	-8	N'E	4	o	46	92	6	5	-	-	10	10	2500
	Catterick ...	175	1015·7	-10	NNW	3	z0	43	92	5	5	-	-	10	10	600
	Tynemouth ...	108	1016·7	-10	N	4	c	45	97	7	8	-	-	9+	9+	1800
11	St. Abbs Head	280	1016·7	-12	NW	3	c	43	97	7	5	2	-	9	10	1500
	Leuchars ...	36	1017·3	-10	NE	1	z0	45	97	6	5	-	-	10	10	700
12	Renfrew (Abbots I.)	19	1016·9	-2	E	2	c	43	85	7	-	-	6	0	7-8	-
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1013·9	-2	E'N	4	c	52	92	8	5	7	-	4-6	9+	2500
13A	Tiree ...	22	1014·2	-4	*	6	c	54	85	8	5	*	*	9+	9+	2800
13B	Stornoway ...	80	1017·5	-2	E	2	b	48	92	8	-	-	-	0	0	-
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1019·2	-6	ENE	3	c	45	85	7	5	7	-	7-8	9	1500
16	Lerwick ...	156	1019·9	-8	ENE	5	bc	44	92	8	5	4	-	4-6	4-6	1500
17	Blacksod Point	18	1013·6	-8	ENE	3	ir0	54	97	6	6	-	-	10	10	800
18	Malin Head ...	84	1014·4	-10	N	1	c	50	92	6	8	-	-	7-8	7-8	1500
	Aldergrove ...	268	1013·9	-6	ENE	2	ir0	52	85	6	5	2	-	9+	10	2000
19	Birr Castle ...	173	1012·3	-14	NW	1	ir	52	92	7	6	2	-	4-6	10	1500
20	Valentia Obsy.	30	1011·8	-14	-	0	c/d	54	97	4	5	-	-	10	10	220
	Roches Point	22	1011·7	-10	SE'E	3	rr	52	97	6	6	2	-	7-8	10	900

OBSERVATIONS at 7 hr. G.M.T. 6th June — 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 5th Hrs. (36)
London (Kew)	1012·3	+8	WSW	2	z0	53	85	5	5	-	-	10	10	1500	1	*	59	53	52	1	1	0·0
Croydon	1012·3	+8	NW	2	z0	53	92	6	6	2	-	7-8	10	800	1	*	56	52	51	0·5	0·3	0·0
S. Farnborough	1012·3	+6	W	3	z0	54	85	6	5	5	6	4-6	9+	1500	1	*	58	53	52	0·4	0·6	0·1
Boscombe Down	1013·1	+6	W	1	z0	52	97	6	5	-	-	10	10	900	1	*	57	51	51	0·1	1	0·0
Thorney Island	1012·9	+6	WSW	3	z0	53	92	5	5	-	-	10	10	450	1	§+	60	52	44	0·2	0·1	*
Lympne	1013·4	+2	SW	2	m/F	52	97	4	5	-	-	10	10	<150	0		61	50	50	0·6	Tr	0·0
Manston	1012·0	+2	WSW	2	d0d0	53	97	5	5	-	-	10	10	400	1	*	62	51	51	0·3	Tr	*
Shoeburyness	1012·6	+2	WSW	2	d0d0	54	97	4	5	-	-	10	10	450	1	*	57	52	51	0·4	1	0·0
Felixstowe	1012·1	+2	NNE	1	ir	50	97	6	5	-	-	10	10	400	1	1	55	50	49	0·1	3	0·3
Gorleston	1012·9	0	NNE	2	ir0	49	92	6	6	-	-	10	10	1000	1	2	52	48	47	-	0·4	*
Mildenhall	1012·1	+2	NE'N	2	ir0	48	97	6	-	2	-	10	10	300	1	*	62	47	47	Tr	1	1·3
Cranwell	1013·8	-2	NE	3	z0	45	97	5	5	-	-	10	10	200	1	*	57	44	44	Tr	0·2	3·7
Birmingham	1012·7	0	NE	2	m	45	97	4	6	-	-	10	10	450	1	*	54	44	43	*	1	0·0
Upper Heyford	1012·5	+2	NNE	2	o	46	97	6	-	2	-	10	10	200	1	*	56	46		*	1	*
Ross-on-Wye	1012·6	0	ENE	2	o	48	97	6	5	-	-	10	10	450	1	*	53	47	47	9	3	0·0
Hartland Point	1011·6	0	WSW	3	c	51	97	6	5	2	-	9	10	500	1	3	52	50	50	13	0·1	0·0
Bristol	1012·7	+2	-	0	df	50	97	3	-	2	-	10	10	300	1	*	54	48	48	11	1	0·0
Portland Bill	1012·5	+8	SW	4	c	51	92	7	5	-	-	10	10	2500	1	3	57	48	*	7	-	*
Plymouth	1013·5	+2	SW	1	z0	51	92	6	5	-	-	9+	9+	1500	1	3	55	50	48	22	0·5	[illegible]
The Lizard	1012·5	0	S	2	f	50	97	2	5	-	-	10	10	400	1	2	53	49	*	6	0·5	0·0
Scilly (St. Mary's)	1012·3	0	SSW	2	c	52	97	7	5	-	-	9+	9+	1500	0	2	(56)	49	*	-	-	0·0
Guernsey																						
Pembroke	1011·3	0	SSE	2	c	50	97	7	8	-	-	10	10	1800	1	2	57	49	*	2	1	0·0
Holyhead	1011·4	+4	ENE	2	z0	50	92	6	5	-	-	10	10	2000	1	1	58	49	48	2	5	0·0
Chester (Sealand)	1012·7	0	SE'S	3	z0	48	85	6	6	2	-	7-8	10	900	1	*	67	48	48	8	2	0·8
Manchester	1013·2	+2	NE'N	1	ir0	46	92	5	5	2	-	7-8	10	800	1	*	66	45	44	0·5	3	4·4
Spurn Head	1012·4	-6	N'W	3	o	48	92	6	5	-	-	10	10	1500	0	6	50	44	*	-	-	0·4
Catterick	1013·8	-2	N'W	2	id0	47	92	6	5	-	-	10	10	900	0	*	53	43	41	-	Tr	5·5
Tynemouth	1014·1	-4	N	5	bc	47	85	7	2	3	2	2-3	4-6	3000	0	3	47	45	44	-	-	*
St. Abbs Head	1015·4	-4	NW	3	if	42	97	3	-	-	-	10	10	450	0	3	45	41	*	-	-	*
Leuchars	1015·6	-8	NE	2	bc	47	75	8	-	4	-	0	2-3	-	0	*	49		40	-	-	0·2
Renfrew (Abbots I.)	1015·8	-2	ENE	3	c	47	85	7	5	-	-	10	10	1500	0	*	65	42	38	-	-	6·6
Eskdalemuir	1014·3	-8	NE	3	bc	47	75	7	8	-	2	4-6	4-6	2500	0		65	38	37	-	-	12·9
Point of Ayre	1012·7	0	E'N	4	c	47	92	7	5	2	-	4-6	9+	3000	0	4	59	46	*	-	Tr	2·3
Tiree	1012·6	-4	-	0	c	54	75	8	5	-	-	7-8	7-8	3500	0	2	60	49	*	-	-	9·3
Stornoway	1016·2	-6	ESE	2	bc	51	85	8	-	-	8	0	4-6	-	0	2	58	46	*	-	-	13·6
Dalwhinnie	1015·6	-4	N	1	m	39	97	4	-	-	-	10	10	<150	1	*	72	33	22	-	-	12·0
Aberdeen	1016·6	-4	N	3	bc	47	85	7	5	-	9	2-3	2-3	1500	0	2	50	43	37	-	-	4·6
Wick	1017·9	-2	ENE	3	c	45	85	8	5	7	-	7-8	9+	1500	0	3	48	44	*	-	-	
Lerwick	1018·3	-10	NE	5	bc	47	85	8	5	4	-	4-6	4-6	1500	0	*	51	44	*	-	-	10·7
Blacksod Point	1011·6	-6	N'E	2	ir0	54	97	7	5	-	-	10	10	1500	1	3	61	52	*	1	4	*
Malin Head	1013·2	-2	E	3	c	50	75	8	2	6	-	4-6	7-8	4000	0	2	54	46	*		0·1	[illegible]
Aldergrove	1012·9	-2	ENE	3	z0	47	85	6	5	7	-	4-6	10	3000	0	*	60	46	46	Tr	0·1	0·0
Birr Castle	1010·7	-6	ENE	1	o/r	51	92	7	5	-	-	10	10	1500	1	*	58	50	49	4	7	0·0
Valentia Obsy.	1009·7	-6	-	0	c	55	92	8	5	-	-	10	10	4000	1	0	60	54	53	Tr	1	3·5
Roches Point	1009·8	-6	S	1	c	52	97	7	5	-	-	9+	9+	1500	1	3	60	50	*	5	10	*

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. (To-day)
Kew ...	18	civ0m0om0	cd0dd0m0	omr0r0cm0	59	53	52	1	1	0·0	*	*	6
Croydon ...	217	cm0id0	cd0d0m	omofwd	56	52	51	0·5	0·3	0·0	*	*	6
Greenwich (Royal Observatory) ...	149	crorc	odo	cidr0	57	52	52	0·5	1	0·1	95	91	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	63	53	52				95	97	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	59	52	51	1	3		88	93	*
Camden Square ...	110	c	o	*	59	52	52		3	*	*	93	*
Kensington ...	80	op	opo	*	59	53	53*	1	1		94	94	*
Hampstead Observatory ...	450	cor	orm	odm	58	50	49	0·5			*		*

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.
0·2	14-23h 5th	<0·1	0-1h 6th

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

‡ 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

Saturday 7th June 1941

No. 29,052

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

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)...	1012.9	+2	WNW	2	c	59	75	7	5	-	-	10	10	1500
	Croydon ...	1012.8	0	N	2	c	59	92	7	5	-	-	4-6	9+	1500
	S. Farnborough	1012.7	-4	W	1	c	60	75	7	7	3	-	7-8	10	2000
	Boscombe Down	1013.1	-6	W/N	1	c	59	75	7	5	-	-	9	9	1600
	Thorney Island	1013.3	-2	WSW	3	bc	61	75	7	1	-	3	2-3	2-3	2500
	Lympne ...	1013.8	-4	W	3	c	59	75	7	9	1	-	7-8	9+	400
	Manston ...	1013.2	+6	WSW	2	z	57	85	6	9	-	-	4-6	10	1200
2	Shoeburyness ...	1013.4	+2	NW	2	o	58	85	5	5	-	-	10	10	2500
	Felixstowe ...	1013.1	+2	SE	1	id	52	97	6	5	-	-	10	10	600
	Gorleston ...	1013.5	+6	ENE	1	c	50	85	7	5	-	-	10	10	1000
	Mildenhall ...	1012.7	+2	WNW	1	iro	52	85	7	5	2	-	7-8	10	1500
	Cranwell ...	1013.9	0	WSW	2	iro	52	75	7	5	-	-	10	10	800
3	Birmingham	1013.2	0	S	1	c	57	85	6	6	-	-	10	10	800
	Upper Heyford	1012.8	-2	-	0	zo	55	85	6	5	-	-	9+	9+	1200
4	Ross-on-Wye ...	1012.4	-4	W	2	c	58	75	6	8	-	-	9+	9+	1500
5	Hartland Point	1012.2	0	WSW	3	bc	55	85	7	2	-	2	2-3	4-6	1500
	Bristol ...	1013.1	0	NNW	3	c	59	85	7	8	-	-	9+	9+	2000
	Portland Bill ...	1013.4	+6	SW	2	if	51	92	3	5	-	-	10	10	800
	Plymouth ...	1013.3	-2	SW	3	bc	59	85	8	8	-	-	1	4-6	1800
	The Lizard ...	1012.1	-2	E'N	3	m	54	97	4	5	-	-	10	10	1500
	Scilly (St. Mary's)	1011.9	-6	SE	2	bc	54	85	8	8	4	-	1	2-3	1500
	Guernsey ...														
6	Pembroke ...	1011.8	0	SSW	3	e	53	92	7	5	2	-	7-8	10	2000
7	Holyhead ...	1011.9	+2	S	3	zo	57	85	6	7	-	-	10	10	2500
	Chester (Sealand)	1012.4	-2	SSE	3	zo	53	85	6	5	2	-	4-6	10	800
8	Manchester ...	1012.9	-8	S	2	iro	54	75	6	6	7	-	7-8	10	2100
10	Spurn Head ...	1012.7	0	E'S	2	o	50	85	6	5	-	-	10	10	1500
	Catterick ...	1012.0	-10	NNE	3	zo	60	45	6	5	-	-	9	10	2000
	Tynemouth ...	1013.5	-6	N	6	zo	50	85	6	8	-	-	9	9	2800
11	St. Abbs Head	1014.2	-6	N	2	o	47	92	7	5	-	-	10	10	800
	Leuchars ...	1014.0	-16	E	4	b	53	75	8	-	4	-	0	tr	-
12	Renfrew (Abbots I.)	1012.9	-18	E'S	3	bc	63	35	8	5	4	1	1	2-3	5700
	Eskdalemuir ...	1012.0	-8	E'N	4	bc	58	45	8	5	-	-	4-6	4-6	2500
	Point of Ayre ...	1012.6	-2	S'E	3	c	53	85	8	7	1	-	7-8	9+	4000
13A	Tiree ...	1012.0	-4	NE'E	2	bc	62	45	8	-	3	6	0	4-6	-
13B	Stornoway ...	1014.8	-10	NNE	4	bc	50	85	8	-	-	8	0	4-6	-
15	Dalwhinnie ...	*	-4	S	2	bc	67	35	8	-	-	1	0	2-3	-
	Aberdeen ...	1015.1	-12	NE	3	b	50	85	8	5	3	9	tr	tr	1500
	Wick ...	1016.8	-6	ENE	3	c	49	85	8	5	3	-	7-8	9+	2500
16	Lerwick...	1017.6	-6	ENE	5	c	50	75	8	5	4	-	4-6	7-8	1500
17	Blacksod Point..	1009.9	-6	-	0	c	59	85	7	5	-	-	10	10	1500
18	Malin Head ...	1011.8	-8	E	5	c	52	75	7	4	6	-	4-6	7-8	4000
	Aldergrove ...	1012.3	-6	SE'E	1	c/r	55	75	7	5	7	-	7-8	9+	3000
19	Birr Castle ...	1010.4	-2	ESE	1	o/r	58	92	7	5	-	-	10	10	2500
20	Valentia Obsy. †	1009.2	-2	SW'W	3	c	55	85	7	5	-	-	10	10	1500
	Roches Point ...	1010.1	-2	SE	2	o/d	54	92	7	5	-	-	10	10	800

OBSERVATIONS at 18h. G.M.T. 6th June — 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. 6th (37)	Weather 13h.—18h. 6th (38)	Weather 18h. 6th to 1h. 7th (39)	Weather 1h.—7h. 7th (40)
London (Kew)...	1011.9	-8	-	0	z	62	75	6	8	-	1	9	9+	2500	1	*	cbc	ccz	czocproc	cbcmow
Croydon ...	1012.3	-4	-	0	c	63	75	7	3	3	-	2-3	9	2500	1	*	cmc	c	cbbmo	bmowbc
S. Farnborough	1011.7	-10	SWW	2	c	64	65	7	8	6	8	4-6	7-8	3000	1	*	cmd	c	cbwmo	bwfcmo
Boscombe Down	1012.3	-6	SSW	3	bcjp	61	75	8	2	-	1	4-6	4-6	2000	1	*	oidmzc	cbc	bcoFbcm	bcmocmow
Thorney Island	1012.8	-6	SW'S	2	cf+	53	92	3	5	-	-	9	9	450	0		c,bcmb	bbocf	fbfg cmo	cmoloc
Lympne ...	1013.5	-6	SW	2	bc	57	85	7	2	-	8	tr	4-6	1200	0	§	omcm	cizcbc	bcbwcmo	bcmofwc
Manston ...	1012.6	-4	-	0	z	59	85	5	5	-	-	9	9	3000	1	*	ddcm	cm	bmow	bcmobc
Shoeburyness ...	1013.1	-2	NNE	1	bc	57	85	7	5	-	1	4-6	4-6	2500	1	*	mddmd	om bcm	bcmob	bfmow
Felixstowe ...	1012.7	-2	-	0	c/r	55	92	6	5	7	-	4-6	10	800	1	1	irdddmd	d rrm	cmobcmo	cmobmo
Gorleston ...	1012.9	-6	SE	3	c	54	85	6	5	-	-	10	10	1300	1	1	c	coroc	cododo	odocbcw
Mildenhall ...	1012.0	-8	WSW	2	c/r	53	92	6	5	2	-	7-8	10	1000	1	*	orocmcir	circm	cidocmcm	cmobcFbcmo
Cranwell ...	1012.9	-8	W	3	c	53	85	6	5	3	-	4-6	9+	1800	0	*	oddmcir	c	cmororododm	ododofm
Birmingham	1012.1	-2	WSW	1	c	57	75	6	6	-	-	10	10	1500	1	*	oir	c	oroc	cbfw
Upper Heyford	1012.1	-6	NNE	1	zo	59	85	6	5	3	1	4-6	9	1800	1	*	oddmcm	cz	cmobmcmo	crmocf
Ross-on-Wye ...	1011.7	-6	S'E	1	c	58	75	6	5	-	-	9+	9+	2500	1	*	oc	c	cbccm	cf
Hartland Point	1011.8	-2	NE	3	bc	55	85	7	5	6	-	2-3	4-6	2700	1	3	bbc	bcfcbc	bccroroc	c
Bristol ...	1011.8	-2	WNW	1	c	62	65	8	8	6	1	4-6	7-8	4000	1	*	of ddm	cbcc	c	cbcmow
Portland Bill ...	1012.5	-8	E	2	cf	52	92	2	5	-	-	10	10	<150	1	2	ofif	off		OR
Plymouth ...	1012.1	-6	SE	1	c	57	85	8	8	-	-	10	10	1800	1	2	cmc	bujfc	c,prc, ird	crorodcdmo
The Lizard ...	1011.5	+2	E'N	3	c	52	97	6	5	2	-	9	10	1500	1	2	bccifm	oif idc	cpromo	c
Scilly (St. Mary's)	1011.7	-2	SES	1	cjp	57	85	7	8	3	-	7-8	9+	1500	0	2	cbc	bcc	crorc	cbc
Guernsey ...																				
Pembroke ...	1011.4	-2	SW	1	bjf	52	97	5	-	4	-	0	1	-	1	3	m	oifb	ofm	feprolf
Holyhead ...	1010.9	-6	S	4	zo	55	97	6	5	-	-	2-3	10	100	1	2	omc	mc	wmoc	wmoffc
Chester (Sealand)	1011.6	-4	E'N	1	dodo	56	85	4	5	-	-	10	10	2000	1	*	cmror	cddrdm	cirmffc	cfmwzobc
Manchester ...	1012.0	-6	S'W	1	zo	54	85	5	5	2	-	7-8	10	3000	1	*	rofmm	irr	cmrorof	roroff
Spurn Head ...	1011.5	-4	SE'S	3	zo	51	92	6	5	-	-	4-6	4-6	1500	0	3	om	o	om	ff
Catterick ...	1011.1	-2	NE	3	zo	57	75	6	5	3	-	1	2-3	3500	0		cmy	cz bczcz	zomofm	omomo
Tynemouth ...	1013.1	-4	N	4	zo	48	92	5	5	-	-	10	10	1000	0	3	bcc	com	o	o
St. Abbs Head	1013.5	0	N	2	oft	46	97	3	5	-	-	10	10	400	0	2	co	off	ofdmc	c
Leuchars ...	1013.0	-6	E	4	c	49	85	7	5	-	-	7-8	7-8	700	0	*	b	bbcc	cemoidomo	c
Renfrew (Abbots I.)	1011.7	-6	ENE	4	b	62	25	9	-	4	1	0	1	-	0	*	cbcby	byocby	bbcybc	c
Eskdalemuir ...	1010.8	-6	ENE	4	bc	59	55	8	9	-	-	2-3	2-3	2500	0	*	bbcy	bcy	bcyb	bbcc
Point of Ayre ...	1011.9	-8	SE'E	2	pr	52	92	5	6	2	-	2-3	10	2000	1	2	c	cirf	c	cffroro
Tiree ...	1010.5	-4	N	2	b	57	75	8	-	-	5	0	1	-	0	3	bc	bcb	bbc	bc
Stornoway ...	1013.8	-4	NE	5	bc	52	92	8	-	-	8	0	4-6	-	0	3	bc	bc	bcc	b
Dalwhinnie ...	1012.0	-8	S	2	bc	65	35	8	-	-	1	0	2-3	-	0	*	bc	bcy		bc,f
Aberdeen ...	1013.9	-6	NE'E	3	bc	49	85	8	5	-	1	2-3	2-3	1500	0	3	bcb	b	bbcc	c
Wick ...	1014.9	-14	NE	3	c	48	85	8	1	3	-	1	9	2500	0	2	c	c	c	c
Lerwick...	1015.9	-14	NE	6	c	48	75	8	5	-	9	4-6	7-8	1500	0	*	bcc	bcc	cbc	bc
Blacksod Point..	1009.0	-6	SE	1	iro	54	97	6	6	-	-	10	10	800	1	2	c	iro	ido	c
Malin Head ...	1010.5	-8	E'S	1	c	53	85	7	4	9	1	4-6	7-8	4000	0	0	c	c	c	zo
Aldergrove ...	1010.8	-10	SE'E	2	zo	55	75	6	5	3	-	2-3	9+	4500	0	*	cmirc	ccz	iromocm	ciroc
Birr Castle ...	1009.5	-4	ESE	1	c	56	85	8	5	-	-	10	10	2500	1	*	cir	c	c	ciro
Valentia Obsy. †	1009.0	-2	S	3	o/d	55	97	6	5	-	-	10	10	4500	1	3	oidc	coidm	omocwc	cwc
Roches Point ...	1009.5	-2	SSW	3	c	57	85	8	5	3	-	4-6	7-8	1500	1	4	ido	c	cw	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.*

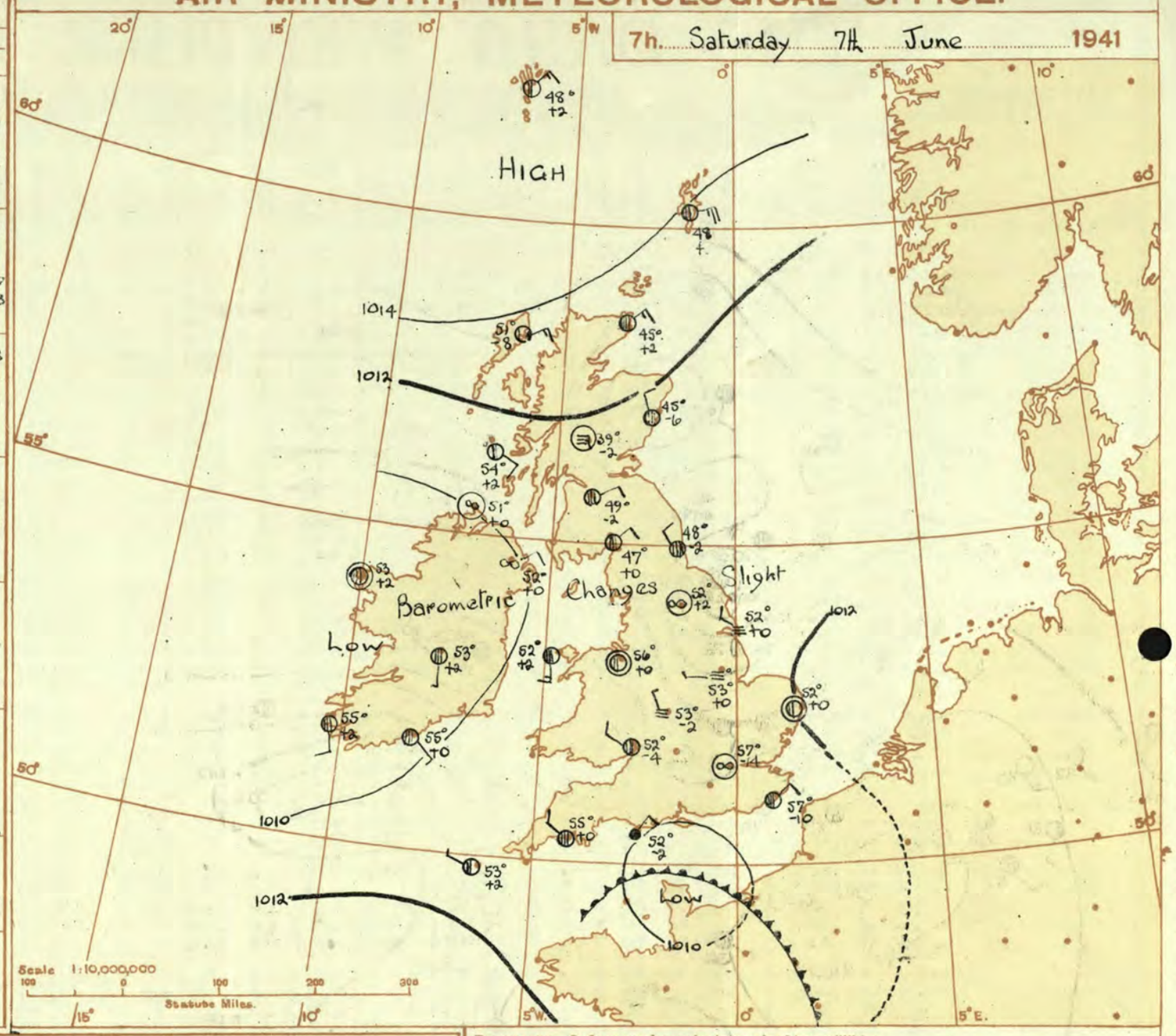
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday 7th June 1941

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 6th June			18h. G.M.T.			01h. G.M.T. 7th June			07h. G.M.T.		
IIIi	$C_L C_M$	wwVhNh	DDFWN	$C_L C_M$	wwVhNh	DDFWN	$C_L C_M$	wwVhNh	DDFWN	$C_L C_M$	wwVhNh	DDFWN
109	53	01844	07324	07	01890	07314	5-	03648	04428	5-	03848	07428
115	54	01844	08425	73	02854	08425	54	02854	08525	52	02845	08527
203							07	00990	08113	00	00890	00010
206	58	02861	08423	53	01843	08414	5-	02848	08228	5-	02848	04128
210	53	02852	05303	5-	01844	06314	5-	02657	03127	5-	02748	01128
220				00	00990	28300				00	05890	11200
230	73	01963	04314	13	00971	12212	50	00851	00001	03	00890	00001
245	50	00841	06602	50	00842	05503	53	05635	37427	5-	02847	04227
260	03	00892	06412	10	00851	04301	5-	31528	04258	5-	31748	08128
277												
279	12	02865	04315	03	05690	22403				5-	02758	06228
285	50	02855	04415							5-	08438	16228
288	70	05664	02215	00	17590	02110	5-	17438	00028	5-	05648	05128
273												
301	5-	05568	15328	5-	61568	16168	02	62548	00068	--	57309	00063
321	62	05585	00028	53	05554	20228	--	67309	00043			
299	52	05654	28255	50	05654	29214	5-	08448	32228	--	62648	32268
292	5-	05657	22127				5-	05648	03228	02	52648	01658
310	--	51628	08358							--	05535	24115
316	52	51534	18168	52	08436	20158	5-	45348	00068	--	45367	18157
333	52	02451	18328	52	05647	18328	5-	05638	18228	14	01644	17224
334	--	05648	16128							--	01662	24213
340	52	61546	12268	52	05647	17128	53	05563	00024	5-	41557	00041
136	5-	02738	22268	5-	21648	22268	5-	22548	00068	53	05636	21267
336	51	02753	16328	53	02763	20326				53	01763	20314
350	52	05672	22158	57	05643	00024				53	08424	00027
368	13	02754	22255									
379	5-	05648	20228				03	05590	00015	03	05690	08114
390	5-	05528	28258	51	06125	12558	57	45146	00058	04	41430	18142
382	57	02745	00028	53	05652	00027	53	00463	00025	5-	41426	00046
438	5-	44509	24549									
430				20	00851	20201	03	05590	04115	58	01763	04115
409	53	02745	15326	8-	81746	04128	5-	05648	32268	5-	05757	32157

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



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Saturday 7th June
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light variable winds; some rain spreading northeastwards across the area, followed by bright intervals. Local fog developing during the night, dispersing later; average temperature or rather cool.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Light variable winds; considerable bright periods, but local thunderstorms developing this afternoon dying out tonight; local fog developing tonight, dispersing later; average temperature or 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	Light or moderate easterly wind; fair with considerable bright intervals in West, but much cloud in East; mainly average temperature, but rather cool on east coast.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light variable winds; cloudy with local showers, some bright intervals, average temperature.

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

GENERAL INFERENCE.

A complex belt of low pressure extends from the Atlantic across Britain probably to Central Europe. A secondary development over the western English Channel will drift slowly northeast. Weather will be unsettled in most areas. Occasional rain will spread eastwards along the South coastal area and affect extreme Southeast England later today. There will be bright periods in many other parts of England, Wales and Ireland but local thunderstorms will develop later. In North and Northwest Scotland weather will continue fine.

FURTHER OUTLOOK.

Continuing unsettled with local thunderstorms.

Warm Front
Cold Front
Occlusion

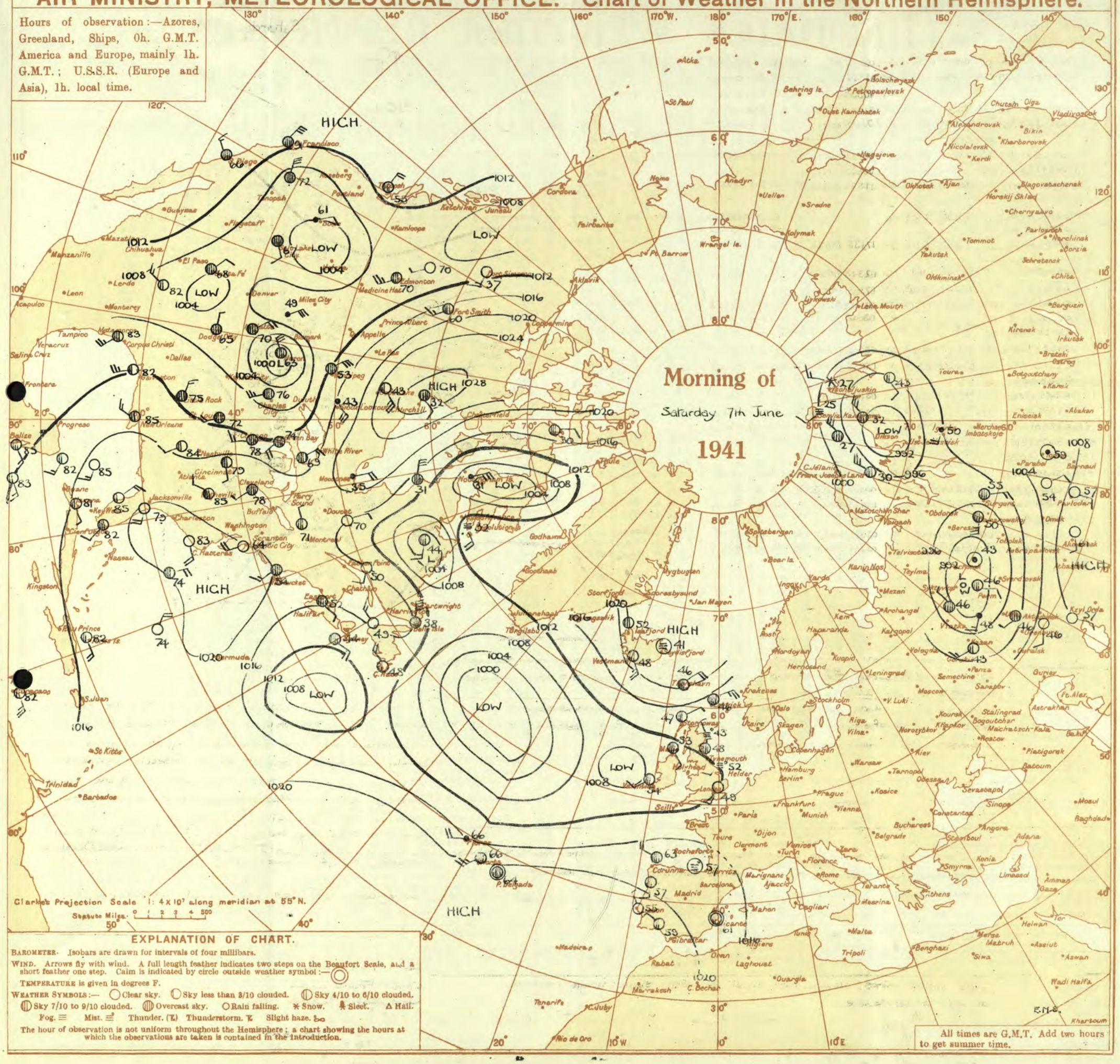
Forecasts issued at 10.30 a.m.T.

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266.Wt. 8176. D.6034. Gp. 949. 9300. 5/41

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
Saturday 7th June. 1941
No. 29,052.

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

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	1012.2	-2	SSW	1	Zo	49	97	5	-	-	-	0	0	-
	S. Farnborough	226	1012.4	-4	-	0	Zo	48	92	6	-	3	-	0	Tr	-
	Boscombe Down	417	1012.5	-2	-	0	m	46	97	4	-	7	-	0	4-6	-
	Thorney Island	10	1011.9	-6	NE	2	Zo	51	97	5	5	-	-	9	9	4300
	Lympne	346	1013.6	-6	-	0	Zo	48	97	5	5	3	-	2-3	4-6	5500
	Manston	154	1012.2	-10	S	1	Zo	46	92	5	5	-	-	2-3	2-3	3500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1012.7	-2	-	0	Zo	54	97	5	5	-	-	9+	9+	2500
	Gorleston	5	1013.1	-2	SSW	1	c	52	85	5	5	-	-	10	10	1500
	Mildenhall	19	1011.8	-10	SSE	1	Zo	51	97	5	-	7	-	0	10	-
	Cranwell	240	1012.7	-6	SSW	1	dodo	51	97	4	5	-	-	10	10	900
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1011.9	-6	NE	1	ig	52	97	6	5	2	-	4-6	10	1800
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1011.6	-2	NE	3	c	51	97	7	5	2	-	7-8	10	800
	Bristol	209	1011.8	-2	-	0	c	51	92	7	5	3	-	1	9+	5000
	Portland Bill	32	1011.0	-10	E	3	c	52	92	7	5	-	-	10	10	2500
	Plymouth	82	1011.5	-8	W'S	1	ig	54	97	6	7	-	-	10	10	2000
	The Lizard	240	1011.4	-4	N	2	c	53	97	5	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	1011.9	0	E	1	c	51	97	7	5	3	-	4-6	7-8	1500
	Guernsey	175														
6	Pembroke	142	1011.8	0	-	0	f-	50	97	3	-	-	-	10	10	<150
7	Holyhead	26	1010.9	-6	S'W	3	Zo	52	97	6	5	-	-	10	10	600
	Chester (Sealand)	16	1011.5	-4	-	0	cf+	53	92	3	5	7	-	7-8	10	3500
8	Manchester	70	1011.9	-2	-	0	rf	52	97	3	-	2	-	10	10	1500
10	Spurn Head	29	1011.9	0	S'E	2	Zo	52	92	5	5	-	-	10	10	1500
	Catterick	175	1011.5	-2	-	0	m/f	50	85	4	5	-	-	10	10	2000
	Tynemouth	108	1012.8	-6	N	2	o	48	85	6	5	-	-	10	10	1500
11	St. Abbs Head	280	1012.1	-4	N	2	c	44	97	8	5	2	-	7-8	10	1500
	Leuchars	36	1012.3	-6	NE	2	ido	46	92	6	5	-	-	10	10	700
12	Renfrew (Abbots I.)	19	1012.2	-2	ENE	2	c	47	85	7	5	-	-	9	9	1200
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1010.9	-2	S'E	2	c	51	97	5	5	2	-	4-6	10	2000
13A	Tiree	22	1010.3	0	SSE	1	bc	47	85	8	*	8	*	0	2-3	-
13B	Stornoway	80	1013.4	-4	ENE	2	bc	47	92	7	-	4	1	0	4-6	-
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1013.4	-10	NE	2	c	45	85	8	5	2	-	7-8	10	1500
16	Lerwick	156	1014.3	-12	NE'E	5	bc	46	75	8	5	-	-	4-6	4-6	2500
17	Blacksod Point	18	1008.4	-2	SSE	1	ido	54	97	6	6	-	-	10	10	800
18	Malin Head	84	1009.7	-6	S'W	2	c	53	75	6	9	-	-	9	9	2500
	Aldergrove	268	1010.7	0	SE	2	Zo	51	75	5	5	-	-	10	10	600
19	Birr Castle	173	1009.4	-2	WSW	1	c	54	97	8	5	-	-	7-8	7-8	2500
20	Valentia Obsy.	30	1010.0	-2	SSW	2	c	54	92	6	5	-	-	10	10	800
	Roches Point	22	1010.2	0	SSW	3	c	53	97	8	5	-	-	9	9	1500

OBSERVATIONS at 7 hr. G.M.T. 7th June. — 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 6th Hrs. (36)
London (Kew)	1011.0	-6	-	0	Zo	56	75	6	5	3	9	4-6	4-6	4000	1	*	63	47	35	-	Tr	0.0
Croydon	1011.0	-14	-	0	Zo	57	85	6	5	3	-	2-3	7-8	3000	1	*	63	45	45	-	-	0.7
S. Farnborough	1010.7	-6	-	0	Zo	53	92	5	2	3	-	1	7-8	2500	1	*	55	44	39	Tr	=	1.7
Boscombe Down	1011.1	-6	ENE	1	Zo	52	92	6	5	-	-	9+	9+	2000	1	*	64	45	43	Tr	Tr	2.0
Thorney Island	1010.2	-2	ENE	2	c	57	85	8	5	3	-	2-3	9+	4000	1		62	49	37	Tr	-	*
Lympne	1011.9	-10	ENE	2	c	57	85	8	5	-	-	9	9	6000	0	§	60	44	38	Tr	-	3.1
Manston	1011.6	+2	S'W	1	bc	57	85	7	5	3	-	Tr	2-3	3000	1	*	59	46	38	0.3	-	*
Shoeburyness	1011.7	-2	ENE	1	bc	55	85	5	-	5	-	0	4-6	-	1	*	59	44	33	Tr	-	0.3
Felixstowe	1011.1	-6	-	0	Zo	57	85	5	1	-	-	Tr	Tr	800	1	0	56	49	41	4	-	0.0
Gorleston	1012.6	0	-	0	bc	52	85	5	5	3	-	2-3	4-6	700	1	1	54	51	49	1	0.1	*
Mildenhall	1010.7	-4	-	0	bc/f	54	92	5	5	3	-	2-3	4-6	3000	1	*	54	45	38	2	Tr	0.0
Cranwell	1012.0	0	W	1	m	53	92	4	5	-	-	10	10	1500	1	*	54	50	50	Tr	0.2	0.0
Birmingham	1010.6	-2	NNW	1	bf+	53	92	3	-	7	-	0	Tr	-	0	*	57	49	35	*Tr	Tr	0.0
Upper Heyford	1011.1	-4	-	0	f+	53	97	2	-	-	-	10	10	<150	1	*	60	50	41	1	Tr	*
Ross-on-Wye	1010.9	-4	WNW	2	m/f	52	97	4	5	-	-	9	9	4000	1	*	59	47	43	-	-	0.3
Hartland Point	1010.9	+2	NE	2	c	53	85	7	5	6	-	4-6	7-8	2000	1	3	57	50	48	-	1	7.0
Bristol	1010.9	-2	-	0	Zo	54	92	6	-	3	-	0	7-8	-	1	*	64	49	43	0.1	-	3.4
Portland Bill	1009.8	-2	NE	2	rr	52	92	7	5	-	-	10	10	1500	1	2	54	49	*	-	6	*
Plymouth	1010.6	0	NW'W	2	c/d	55	92	6	5	-	-	9+	9+	2000	1	3	60	52	52	-	2	*
The Lizard	1010.9	+4	NW	3	c	52	97	8	8	6	-	7-8	7-8	2500	1	2	56	51	*	Tr	0.5	1.7
Scilly (St. Mary's)	1011.1	-2	NW'W	1	bc	53	97	7	5	4	2	1	4-6	1500	0	2	62	49	*	-	-	5.0
Guernsey																						
Pembroke	1010.8	-4	-	0	if	51	97	4	-	-	-	10	10	<150	1	2	54	47	*	-	Tr	3.5
Holyhead	1010.3	+2	S	3	c	52	97	7	5	3	-	9	9+	2200	1	2	58	49	49	-	-	0.1
Chester (Sealand)	1010.7	0	-	0	bc	56	75	6	5	3	-	2-3	2-3	5000	1	*	56	51	47	0.5	Tr	0.0
Manchester	1010.9	-2	-	0	m/f	54	92	4	5	-	-	10	10	2200	1	*	55	51	50	0.2	2	0.0
Spurn Head	1011.0	0	NW'N	2	f	52	92	3	-	-	-	10	10	<150	1	2	54	50	*	-	Tr	0.0
Catterick	1011.0	+2	-	0	Zo	52	85	5	5	-	-	10	10	1500	0	*	61	48	48	-	-	3.0
Tynemouth	1011.8	-2	NW	2	o	48	85	6	5	-	-	10	10	1200	0	2	50	47	46	-	-	*
St. Abbs Head	1010.8	-6	N	2	c	44	92	8	5	2	-	7-8	10	2000	0	2	47	43	*	-	0.2	*
Leuchars	1011.4	0	NE	2	roro	45	97	4	5	-	-	10	10	200	1	*	54	43	40	-	0.5	13.8
Renfrew (Abbots I.)	1011.4	-2	ENE	2	c	49	85	7	5	-	-	9+	9+	2300	0	*	66	45	40	-	-	10.0
Eskdalemuir	1010.5	0	NE	1	c	47	85	8	5	-	-	10	10	1500	0	*	63	39	34	-	-	9.4
Point of Ayre	1010.0	0	-	0	c/r	51	97	5	5	1	-	7-8	10	800	1	1	56	50	*	Tr	0.3	0.6
Tiree	1009.5	+2	SE'E	2	bc	54	85	8	5	3	-	2-3	4-6	3500	0	2	63	47	**	-	-	14.8
Stornoway	1014.0	-8	ENE	3	b	51	85	8	-	2	9	0	1	-	0	2	58	44	*	-	-	15.0
Dalwhinnie	1011.5	-2	-	0	f	39	97	3	-	-	-	10	10	<150	1	*	75	30	21	-	-	12.6
Aberdeen	1011.9	-6	NNW	2	c	45	85	8	5	-	-	9+	9+	1500	0	2	53	43	41	-	-	13.9
Wick	1012.6	+2	NE	3	c	45	85	8	5	2	-	7-8	10	1500	0	2	50	44	*	-	-	*
Lerwick	1013.8	+4	ENE	5	bc	48	75	7	5	4	-	4-6	4-6	2500	0	*	52	46	*	-	-	15.1
Blacksod Point	1008.1	+2	-	0	c	53	97	7	5	-	-	10	10	1500	0	1	60	52	*	0.6	Tr	*
Malin Head	1009.0	0	-	0	Zo	51	92	6	8	-	-	7-8	7-8	4000	0	0	55	48	*	-	-	8
Aldergrove	1009.8	0	ENE	2	Zo	52	92	5	5	-	-	10	10	1800	0	*	56	50	49	Tr	Tr	0.0
Birr Castle	1009.3	+2	S	1	c/r	53	97	7	5	-	-	10	10	2500	1	*	56	51	48	0.2	0.2	0.0
Valentia Obsy.	1009.5	+2	S'E	2	c	55	92	6	5	-	-	7-8	7-8	1500	1	2	61	53	51	Tr	Tr	0.9
Roches Point	1009.3	0	SW	1	c	55	92	8	5	-	-	7-8	7-8	1500	1	3	61	53	*	0.1	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	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	cbc	ccZo	cZocpr[illegible]	63	47	35	-	Tr	0.0	*	*	6
Croydon	217	cmoc	c	cbbrmo	63	45	45	-	-	0.7	*	*	8
Greenwich (Royal Observatory)	149	c	c	cbwbc	60	45	35	-	Tr	0.0	80	63	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	65	48	42	0.1			80	67	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*									*
Camden Square	110	o	c	o	62	49	42	0.3	-	*	*	74	*
Kensington	80	o	o	*	67	47	39*	-	Tr		72	61	*
Hampstead Observatory	450	od	bc	bc	59	50	42	Tr	-		*	65	*

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.
0.3	19h 6th	<0.1	0-4h 7th

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

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

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Sunday 8th June 1941

No. 29053

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

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)	1009.3	-12	ESE	1	tlr₀	65	65	8	9	-	-	10	10	1500
	Croydon	1009.2	-14	SSE	2	t	68	55	8	3	3	-	7-8	9	2500
	S. Farnborough	1009.7	-4	SE'S	1	tlr₀	58	85	6	3	6	-	9	9+	1200
	Boscombe Down	1009.7	-6	SSE	3	pr	62	75	7	3	3	3	7-8	7-8	2500
	Thorney Island	1009.9	-2	SSE	3	c	63	85	8	3	3	-	4-6	7-8	1500
	Lympne	1011.3	-2	ESE	3	c	62	75	8	2	3	-	2-3	7-8	2500
	Manston	1010.1	-6	ENE	2	bc	63	65	8	3	7	3	1	2-3	3000
2	Shoeburyness	1010.9	-8	E'S	1	c	60	75	7	8	7	-	4-6	7-8	4000
	Felixstowe	1010.5	-6	SSE	2	z₀	61	75	6	2	6	3	2-3	2-3	2500
	Gorleston	1011.2	-4	S'E	2	c	56	85	6	5	4	-	4-6	7-8	2000
	Mildenhall	1009.6	-8	-	0	c	67	55	7	8	-	-	7-8	7-8	2500
	Cranwell	1011.3	-6	NE	2	z₀	64	65	6	8	-	-	9	9	2100
3	Birmingham	1009.6	-4	ENE	1	z₀	63	55	6	5	-	-	9+	9+	4000
	Upper Heyford	1009.3	-14	NNE	2	z₀	65	65	6	8	-	-	9+	9+	2000
4	Ross-on-Wye	1009.5	-6	E	2	bc	66	65	6	8	6	-	4-6	4-6	4000
5	Hartland Point	1010.9	-2	WNW	2	c	58	85	7	5	3	-	4-6	7-8	2500
	Bristol	1010.3	-2	WNW	3	tlr₀	60	92	6	8	6	-	7-8	9+	2000
	Portland Bill	1009.9	-8	ESE	2	o	53	92	7	5	-	-	10	10	1500
	Plymouth	1010.8	+2	NW	1	c/pr	58	85	6	8	7	-	9	9+	1000
	The Lizard	1011.4	+2	WSW	3	bc	58	92	8	2	6	-	4-6	4-6	3500
	Scilly (St. Mary's)	1011.6	0	W	2	c	59	85	6	8	4	7	4-6	9	1500
	Guernsey														
6	Pembroke	1011.3	+2	WSW	2	bc	56	92	6	2	6	1	2-3	4-6	4000
7	Holyhead	1010.4	-2	S'W	3	b	61	85	7	2	3	-	1	1	3000
	Chester (Sealand)	1010.1	-2	NW'W	3	z₀	60	75	6	8	-	-	9	9	4000
8	Manchester	1010.2	-6	N'W	2	m	62	75	4	5	-	-	9+	9+	7000
10	Spurn Head	1011.2	0	NNE	3	id₀	49	97	5	5	-	-	10	10	800
	Catterick	1010.6	-4	S'W	1	z₀	57	85	5	5	-	-	10	10	2200
	Tynemouth	1011.8	0	E	2	c	52	75	7	5	-	-	10	10	1200
11	St. Abbs Head	1011.7	+2	NW	2	if	45	97	6	5	2	-	7-8	10	300
	Leuchars	1011.0	-4	ESE	2	c	52	75	8	8	2	-	4-6	9+	1500
12	Renfrew (Abbots I.)	1010.8	-12	E	2	bc	59	55	7	1	3	-	1	2-3	2500
	Eskdalemuir	1010.1	-2	S'E	1	c	55	75	8	5	-	-	10	10	1500
	Point of Ayre	1010.7	+2	-	0	c	53	92	6	6	2	-	4-6	10	1000
13A	Tiree	1009.7	0	N'E	1	bc	63	45	8	-	3	-	0	2-3	-
13B	Stornoway	1011.5	-10	NE	4	b	54	85	8	1	-	-	tr	tr	6000
15	Dalwhinnie	*	-9	NE	3	b	65	35	8	1	-	-	tr	tr	4000
	Aberdeen	1011.2	-6	NE'N	2	c	51	85	8	5	-	-	10	10	1800
	Wick	1012.3	-2	NE	3	c	47	92	7	5	2	-	7-8	10	1500
16	Lerwick	1014.3	+4	NE'E	6	c	48	75	7	5	7	1	4-6	7-8	1500
17	Blacksod Point	1008.9	+2	SW	1	c	59	85	7	-	7	-	0	9	-
18	Malin Head	1009.2	0	-	0	z₀	55	85	6	4	6	-	4-6	7-8	1500
	Aldergrove	1010.0	-2	-	0	z₀	59	75	6	5	-	-	9+	10	1800
19	Birr Castle	1009.7	0	S	1	c	59	75	8	8	1	-	7-8	10	1500
20	Valentia Obsy. †	1009.7	-2	S'E	3	c/pr	60	75	8	2	7	-	2-3	9+	1500
	Roches Point	1010.2	+4	SSW	3	bc	59	85	8	2	-	-	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 7th June — 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. 7th (37)	Weather 13h.–18h. 7th (38)	Weather 18h. 7th to 1h. 8th (39)	Weather 1h.–7h. 8th (40)
London (Kew)	1009.4	0	SW'W	1	r₀r₀	59	85	6	8	2	-	9	10	1500	1	*	bcm₀z₀ctr	tlpregm	cmoir₀m	oir₀rm
Croydon	1009.2	-2	-	0	tlr	57	92	6	9	7	-	7-8	9+	1700	1	*	bcmcrt	ctlrcr₀rr	crroid₀	ofcr₀m
S. Farnborough	1009.4	+6	-	0	r₀	57	55	7	8	7	-	7-8	10	2500	1	*	cbccpR	tlr₀mpR	tr₀m₀rm₀d₀	d₀fmo
Boscombe Down	1009.4	-2	NNW	3	z₀	62	75	6	3	6	3	1	7-8	2000	1	*	c	cprcbc	cm₀cr₀cm₀	cr₀rom₀of
Thorney Island	1009.2	-2	SSE	1	c/f	57	92	7	8	-	-	9+	9+	800	0		cbcc	cm₀ofc	cm₀of	cm₀of
Lympne	1010.7	+2	SE	2	c	57	75	8	2	7	5	tr	9	3500	0	§	c	c.	cpr₀m₀	ofir₀m
Manston	1009.4	+2	E'S	2	c	58	75	8	4	6	3	4-6	9	7000	0	*	bccbbc	bcc	cm₀	cmo
Shoeburyness	1009.9	-2	E'S	2	c	61	75	8	2	7	1	2-3	7-8	4000	0	*	bcm₀	cbbc	bccm₀	cmow
Felixstowe	1009.6	-6	SE'E	2	bc	58	85	7	-	9	3	0	2-3	-	1	1	bm₀bcm₀	bcmzb	bccm₀	
Gorleston	1010.3	-6	S'E	1	c	56	85	7	5	-	1	4-6	7-8	2500	0	2	bccz₀z₀	bczbc	bco ffe	offe
Mildenhall	1008.9	+2	ENE	3	pr	63	75	6	9	-	-	9+	9+	2000	0	*	bcm₀bccy	ctcpr₀m	ctlrcf	
Cranwell	1011.0	0	E'N	3	bc	60	75	6	1	-	-	2-3	2-3	4000	0	*	omcm₀	cbcbbc	bc,off	offfm
Birmingham	1009.5	0	NNW	3	cl	59	75	6	9	-	-	7-8	10	1500	1	*	fcz	cz	ctp	prr₀f
Upper Heyford	1009.7	+8	WSW	2	pR	55	97	6	9	-	-	10	10	1200	1	*	ofbcmm₀czcz	cetlm	cPRm₀ir₀cm₀	cm₀id₀m₀cir₀m
Ross-on-Wye	1009.8	-4	SW	2	e	57	97	6	8	6	3	2-3	7-8	2500	1	*		bcp₀c	crm₀omp₀	om
Hartland Point	1010.5	-2	W	3	c	57	85	7	5	6	-	4-6	9	1500	-	3	c	c	cbc	bccbcif
Bristol	1009.7	-4	NW	3	c	60	85	7	5	4	9	4-6	9	3000	1	*	bccid₀pr₀tlr₀	[illegible]	cm₀	cmir₀id₀m₀
Portland Bill	1010.3	-8	W	2	c	54	92	8	2	-	-	7-8	7-8	4000	1	2	orro	c	c	c
Plymouth	1010.6	-2	NNW	1	c	58	85	8	8	-	1	9	9+	2000	1	2	cmopr	cPRm₀c	c,m₀bcm₀bwm₀	bmFF
The Lizard	1011.0	-2	W	4	bc	57	92	6	4	4	-	2-3	4-6	2500	0	2	bc	bcz	m₀Fifc	cbc
Scilly (St. Mary's)	1011.2	-4	WSW	2	c	58	92	6	8	3	3	2-3	7-8	1500	0	2	bcc	c	c	bccbcw
Guernsey																				
Pembroke	1010.5	-4	W	2	bc	55	92	6	2	4	-	2-3	2-3	3000	1	3	ifbch₀	bmbc	bcFcFco	fccm₀
Holyhead	1009.6	-2	S'W	2	bc	59	85	7	8	-	1	1	2-3	2500	1	2	cbcb	b	bmowc	wffmc
Chester (Sealand)	1009.9	+2	WNW	2	c/pr	56	85	6	4	7	-	4-6	7-8	5500	1	*	bccz₀	czpr₀	bcm₀cf	cfm₀
Manchester	1009.4	0	W'N	3	c	61	75	7	8	7	-	4-6	10	1500	1	*	cmz₀z	cbccz₀c	cpr₀mom	cff
Spurn Head	1010.4	-8	E	4	z₀	49	92	6	5	7	-	2-3	7-8	1500	0	3	oid	cm	pm₀c	c
Catterick	1010.1	-2	NE'N	2	m/f	57	75	4	8	6	-	4-6	7-8	1800	0		om₀r₀om₀	oz₀ofcm	cmcf	cfcmof
Tynemouth	1011.7	-4	SE	2	o	56	85	8	5	-	-	10	10	1200	0	2	o	o	o	c
St. Abbs Head	1011.0	0	NW	2	c	46	92	8	8	7	-	4-6	10	1500	0	2	cif	c	c	coc
Leuchars	1010.5	-2	ESE	2	c	51	85	7	5	-	-	10	10	1500	0	*	r₀r₀cmoc	c	d₀d₀drm₀	cid₀m₀cid₀
Renfrew (Abbots I.)	1010.0	-2	NE'E	2	c	58	65	7	-	3	-	0	9+	-	0	*	ccybc	bccyzc	c	cbcb
Eskdalemuir	1009.2	-6	S'W	3	z₀	55	85	6	5	-	-	9+	9+	1500	0	*	c	cz	cm₀	cm-
Point of Ayre	1009.9	-4	SE	1	c	54	92	7	5	-	-	9	9	2500	0	1	cr₀c	c	bfs fsw	bw
Tiree	1009.1	0	N	1	bc	54	75	8	-	3	5	0	2-3	-	0	2	bc	bbc	bcc	c
Stornoway	1011.0	0	NE	5	b	53	85	8	-	4	-	0	tr	-	0	3	bcb	b	b	bbc
Dalwhinnie	*	+4	NE	3	c	61	55	8	7	-	-	7-8	7-8	4000	0	*	f,bcy	bccy	*	co
Aberdeen	1010.9	-2	NE'N	3	c	49	92	7	5	-	-	10	10	1500	0	2	c	c	ccm₀	cml
Wick	1011.8	0	NE	3	c	47	85	7	5	2	-	7-8	10	1500	0	2	c	c	c	c
Lerwick	1013.4	-6	NE	6	c	47	75	7	6	7	-	4-6	7-8	1500	0	*	bcc	c	c	c
Blacksod Point	1008.5	-2	W	1	bc	59	75	8	2	-	-	2-3	2-3	4000	0	1	c	bc	bcc	bcc
Malin Head	1008.8	-2	E	3	c	55	85	6	8	-	-	9+	9+	1500	0	2	z₀	c	cpr₀ir₀cid₀c	cffc
Aldergrove	1008.6	-6	E'S	2	z₀	61	75	6	2	-	9	1	2-3	2000	0	*	cm₀cir₀cm₀	cm₀bm₀	bcm₀bF	bFFcm
Birr Castle	1008.4	-2	WSW	1	c	63	65	8	8	-	8	4-6	7-8	15[illegible]	1	*	cir₀c	c	c	cbc
Valentia Obsy. †	1008.7	-6	SSE	3	c	60	75	8	2	-	2	7-8	9+	2500	0	3	cbccpr₀	cpcd₀d₀	cpr₀bcw	bcwbcc
Roches Point	1008.8	-10	SSW	3	bc	59	85	8	2	3	-	2-3	4-6	2500	1	4	bc	bc	cw	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.*

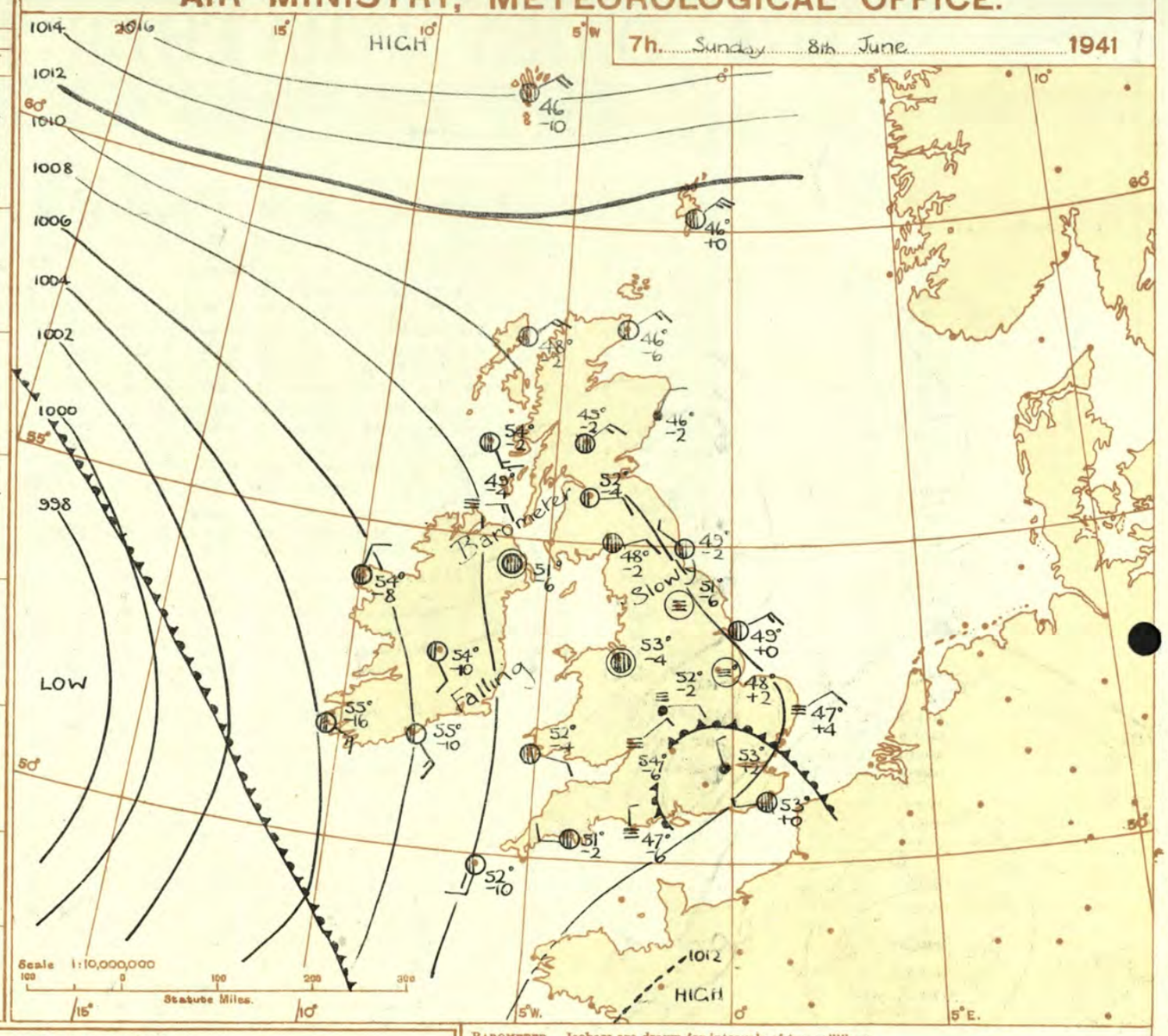
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Sunday 8th June 1941

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 7th June 18h. G.M.T.						01h. G.M.T. 8th June 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 57	02745	06426	57	02746	06428	5-	02747	06427	5-	02847	06327
115 54	02844	08425	54	02844	08525	52	02734	08527	52	02734	08527
203			00	00890	08400	13	01944	08304	00	00890	08200
206 54	00863	08423	5-	02858	08328	5-	03838	08228	5-	03848	06128
210 5-	02847	04327	5-	21838	04358	5-	02728	04228	5-	02848	04228
220			03	00790	27101				00	05790	14200
230 13	00861	20303	03	01890	20314	07	05790	00016	53	01742	00014
245 5-	02855	09425	5-	51748	08328	5-	52428	06368	5-	05648	02268
260 5-	05635	08128	5-	05648	06128	5-	02758	00028	53	02855	08125
277											
279 5-	05648	00028	10	00731	24111				5-	05537	04127
285 5-	51538	14358									
288 5-	05548	09228	53	41464	03246	5-	45348	20148	5-	05648	21128
273											
301 13	02762	29355	43	01662	28314	07	05690	28116	03	08490	00025
321 5-	05648	09228	83	05554	06215				03	08490	00041
299 5-	05648	02268	5-	21648	02258	5-	05648	02228	5-	62448	00068
292 62	03544	00028	51	02655	06127	5-	05548	08228	03	05690	28114
310											
316 23	05554	30147	23	01663	32213	5-	08438	02128	--	46209	02148
333 24	01863	19213	44	01763	20313	5-	05638	00028	5-	05558	19228
334											
340 8-	02756	18128	87	05655	04225	5-	05547	30127	5-	08448	00028
136 26	05564	30225	50	05661	04211	--	48109	06249	--	46109	04249
336 52	02763	28328	52	03763	24327						
350 86	05665	02166	5-	66548	14328				--	46109	02249
368 87	81765	22387							5-	05557	26228
379 86	02754	02316	86	01767	20297	2-	81668	30188	5-	47268	04248
390 83	81754	12215	93	10644	28225	57	61443	02116	57	08665	07168
382 83	02855	08226	96	02856	28327	8-	25568	32128			
438											
430 33	01864	14314	5-	05628	16128	5-	05628	00028	--	48209	14149
409 54	05745	23315	16	02745	25226	03	05590	14145	53	05645	16446

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, 1 = 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 8th June
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light variable wind becoming moderate south to southeast; bright intervals and local thundery showers at first, cloudy with rain spreading from the West later; rather warm in afternoon but temperature mainly moderate.
5 S.W. England 6 South Wales ... 7 North Wales ...	Freshening southeast wind veering southwest; cloud increasing with rain or drizzle; coast and hill fog; rather warm in afternoon but temperature mainly moderate.
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	Light southeast wind becoming moderate or fresh, bright intervals and local thundery showers at first, cloud increasing with rain spreading from West later; rather warm in afternoon, but temperature mainly moderate.
15 N. E. Scotland 16 Orkneys and Shetlands	Moderate east to northeast wind; mainly cloudy; some bright intervals; cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Freshening southeast to south wind; cloudy, rain at times; moderate temperature.

GENERAL INFERENCE.

Pressure is high from Iceland to Scandinavia. A feeble trough of low pressure over East England and the Midlands is dying out. A large and deep disturbance centred to westward of Ireland will extend its influence over the British Isles. There will be bright intervals and thundery showers in England, Wales and Scotland at first but rain will soon commence in West Ireland and spread eastwards to most districts.

FURTHER OUTLOOK.

Occasional rain in most districts

Warm Front
Cold Front
Occlusion

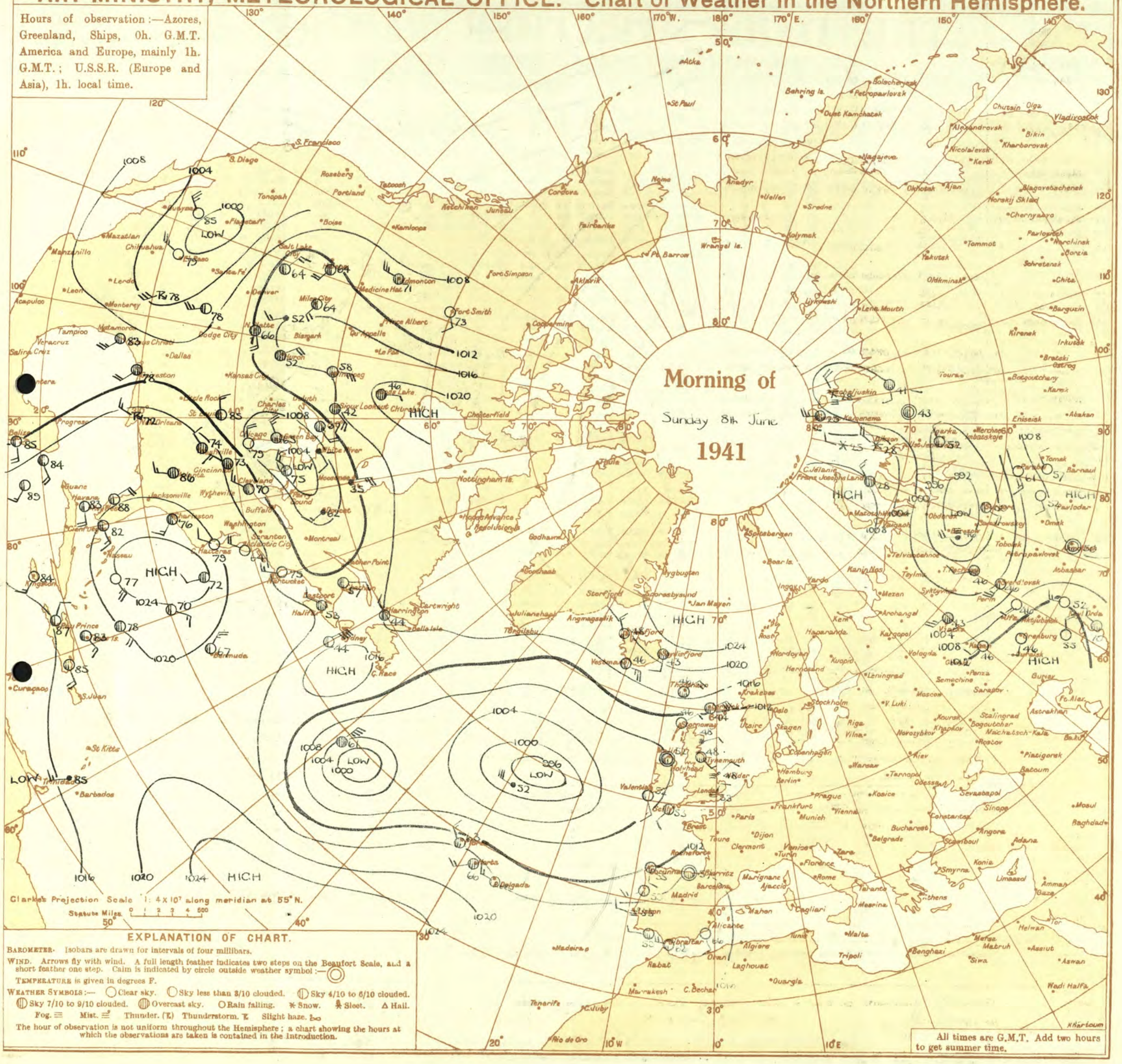
Forecasts issued at 10.30 G.M.T

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266. Wt. 8176. D. 6034. Gp. 948. 3300. 5/41

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. (Ʒ) 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 8th June 1941

No. 29053

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

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	1009.0	-2	NNE	1	Cf	53	97	3	5	3	-	4-6	9+	1500
	S. Farnborough	226	1009.1	-2	-	0	id.	55	97	4	5	-	-	10	10	1200
	Boscombe Down	417	1010.0	+2	-	0	r.r.	53	97	6	5	-	-	10	10	2000
	Thorney Island	10	1009.1	+2	-	0	c	55	97	7	5	-	-	9+	9+	1100
	Lympne	346	1010.5	-2	-	0	pr	51	97	6	8	-	-	10	10	3500
	Manston	154	1009.0	-6	-	0	z.	54	85	6	5	3	-	2-3	9+	3500
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1009.7	-6	-	0	z.	52	85	6	-	3	-	0	7-8	-
	Gorleston	5	1010.9	-4	ESE	1	F	48	97	1	-	-	-	10	10	<150
	Mildenhall	19	1009.0	-4	-	0	cf+	52	97	2	-	3	-	0	9+	-
	Cranwell	240	1011.6	-2	ENE	2	F	49	97	1	-	-	-	10	10	<150
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1009.4	-2	-	0	z.	53	97	5	5	-	-	10	10	3000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1010.2	-4	WSW	3	bc	53	92	6	5	-	-	2-3	2-3	1500
	Bristol	209	1009.7	-4	-	0	z.	53	97	6	5	-	-	9+	9+	3000
	Portland Bill	32	1009.4	-2	W	2	c	51	92	8	5	-	-	10	10	2500
	Plymouth	82	1011.2	-2	ESE	1	z.	48	97	5	-	-	-	0	0	-
	The Lizard	240	1010.7	-4	SSW	1	c	53	97	6	8	2	-	9	10	1500
	Scilly (St. Mary's)	163	1010.2	-8	SSW	2	c	53	92	7	8	-	-	9+	9+	800
	Guernsey	175														
6	Pembroke	142	1010.8	-2	S'W	1	F+	52	97	1	-	-	-	10	10	<150
7	Holyhead	26	1009.5	-2	S	3	z.	52	97	5	5	-	-	10	10	700
	Chester (Sealand)	16	1009.9	-4	-	0	cf+	50	92	3	5	7	-	7-8	9+	4000
8	Manchester	70	1009.9	0	S	1	m	53	92	4	5	-	-	10	10	5000
10	Spurn Head	29	1011.4	+10	NE'N	2	z.	48	92	6	5	7	-	4-6	9	2500
	Catterick	175	1010.6	0	S'	1	f-	50	92	2	5	-	-	10	10	800
	Tynemouth	108	1011.3	-2	SE	2	o	48	92	7	5	-	-	10	10	1500
11	St. Abbs Head	280	1010.9	-2	-	0	c	45	97	7	5	2	-	7-8	10	2000
	Leuchars	36	1010.6	+2	E	1	dr	48	97	5	5	2	-	7-8	10	400
12	Renfrew (Abbots I.)	19	1010.5	0	ENE	2	c	50	85	7	5	3	-	9	9+	5700
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1009.7	-2	SE'S	1	fs	46	97	5	-	-	-	0	0	-
13A	Tiree	22	1009.2	0	-	0	c	49	85	7	5	-	-	9+	9+	3500
13B	Stornoway	80	1011.0	-6	ENE	2	b	46	92	7	5	-	-	Tr	Tr	3000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1011.9	-2	NE	3	c	46	85	8	5	2	-	7-8	10	1500
16	Lerwick	156	1012.7	-4	NE	6	c	44	85	7	5	7	-	4-6	7-8	1500
17	Blacksod Point	18	1007.9	-4	-	0	c	53	92	8	-	7	-	0	7-8	-
18	Malin Head	84	1008.4	-2	-	0	c	52	92	6	9	-	-	9	9	800
	Aldergrove	268	1009.4	+14	E'S	1	bF+	44	97	1	-	-	-	0	0	-
19	Birr Castle	173	1008.2	-6	S	1	c	51	97	8	5	-	-	9	9	4000
20	Valentia Obsy.	30	1007.4	-12	SSE	3	bc	52	92	8	5	-	-	4-6	4-6	1500
	Roches Point	22	1008.2	-6	S	1	c	54	97	8	5	-	-	9	9	1500

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

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)	1008.6	+2	S	1	ir	55	97	4	-	2	-	10	10	1500	1	*
Croydon	1009.0	+2	N'W	1	ir.	53	97	4	5	-	-	10	10	500	1	*
S. Farnborough	1008.6	+2	-	0	m	55	97	4	5	-	-	10	10	500	1	*
Boscombe Down	1009.0	-2	NE	1	bc/f	54	97	5	5	-	-	4-6	4-6	300	1	*
Thorney Island	1008.7	+2	S	1	f-	54	97	3	-	-	-	10	10	<150	0	*
Lympne	1010.3	0	W	1	m/r	53	97	4	5	-	-	10	10	100	1	§
Manston	1008.6	0	E	1	z.	54	92	6	5	-	-	10	10	500	0	*
Shoeburyness	1009.6	0	NE	2	c	56	85	6	5	-	-	9+	9+	7200	0	*
Felixstowe	1009.4	0	ENE	2	m/f	50	97	4	5	3	-	9	9+	200	1	2
Gorleston	1010.1	+4	ENE	2	F	47	97	1	-	-	-	10	10	<150	1	1
Mildenhall	1009.1	+4	NNE	1	f-	51	97	3	-	-	-	10	10	<150	1	*
Cranwell	1011.0	+2	SE	2	m/f	48	97	4	5	-	-	10	10	200	0	*
Birmingham	1009.1	-2	E	1	rf	52	97	4	5	-	-	10	10	450	1	*
Upper Heyford	1008.9	0	NNE	1	ir.	54	97	5	5	-	-	10	10	500	1	*
Ross-on-Wye	1008.7	-6	NE	1	m	54	97	4	5	-	-	10	10	450	1	*
Hartland Point	1008.4	-10	ESE	3	bc	51	92	6	2	4	-	2-3	4-6	1500	0	3
Bristol	1009.3	-2	-	0	z.	55	97	6	5	3	-	7-8	9+	600	1	*
Portland Bill	1008.6	-2	W	2	c	51	92	8	2	-	-	7-8	7-8	4000	1	2
Plymouth	1009.3	-6	N	1	f-	47	97	3	-	-	-	10	10	<150	1	1
The Lizard	1008.0	-10	SE	3	bc	53	97	8	8	6	-	4-6	4-6	2500	0	3
Scilly (St. Mary's)	1007.7	-10	SSW	2	bc	52	97	8	8	4	4	2-3	4-6	1200	0	3
Guernsey																
Pembroke	1008.7	-4	ESE	2	c	52	97	6	8	6	-	4-6	7-8	3000	1	3
Holyhead	1008.7	+2	SSW	3	m	51	97	4	5	-	-	10	10	200	1	2
Chester (Sealand)	1008.9	-4	-	0	z.	53	92	5	5	-	-	10	10	3000	1	*
Manchester	1009.1	-6	-	0	cf+	54	92	3	5	-	-	9+	9+	4000	1	*
Spurn Head	1010.2	0	ENE	3	c	49	92	7	-	7	-	0	7-8	-	0	3
Catterick	1009.6	-6	-	0	of	51	92	2	5	-	-	10	10	400	0	*
Tynemouth	1010.9	-2	WNW	1	c	49	92	7	5	-	-	9+	9+	2000	0	2
St. Abbs Head	1010.5	0	NW	1	c	45	97	7	5	2	-	7-8	10	400	0	1
Leuchars	1010.1	-2	ENE	2	id.	47	92	7	5	-	-	10	10	400	1	*
Renfrew (Abbots I.)	1009.8	-4	E	2	z.	52	75	6	-	3	-	0	2-3	-	0	*
Eskdalemuir	1009.5	-2	E'N	2	z.	48	85	6	5	-	-	10	10	800	0	
Point of Ayre	1008.8	0	SSE	3	b	52	97	8	1	-	-	Tr	Tr	1500	0	2
Tiree	1007.8	-2	SSE	3	c	54	85	7	5	-	-	9	9	2800	0	3
Stornoway	1010.6	-2	NE	3	bc	48	92	8	5	4	6	2-3	2-3	2500	0	2
Dalwhinnie	1011.1	-2	NE	3	o	45	92	7	5	-	-	10	10	800	0	*
Aberdeen	1010.3	-2	NNE	2	ir.	46	97	6	6	2	-	9+	10	1100	1	2
Wick	1011.1	-6	NE	3	c	46	85	8	5	2	-	7-8	10	1500	0	3
Lerwick	1011.8	0	NE	5	c	46	85	7	8	7	-	7-8	9+	800	0	*
Blacksod Point	1005.4	-8	NNE	2	c	54	92	7	-	7	-	0	7-8	-	0	3
Malin Head	1007.3	-4	E	3	f	49	92	3	-	-	2	0	4-6	-	0	2
Aldergrove	1008.3	-6	-	0	z.	51	97	5	5	-	-	10	10	500	1	*
Birr Castle	1006.7	-10	SSE	2	bc	54	92	8	5	-	-	2-3	2-3	2500	1	*
Valentia Obsy.	1004.4	-16	ESE	3	c	55	75	8	5	-	-	9+	9+	1000	0	2
Roches Point	1005.8	-10	SE	3	bc	55	92	8	5	4	-	4-6	4-6	1500	1	3

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 7th Hrs. (36)
London (Kew)	69	53	47	4	1	4.5
Croydon	68	51	49	4	2	2.6
S. Farnborough	68	53	51	7	0.5	3.0
Boscombe Down	65	51	49	2	1	4.3
Thorney Island	65	53	47	-	-	*
Lympne	65	51	51	-	0.1	6.1
Manston	66	50	45	-	-	*
Shoeburyness	65	51	42	-	-	11.6
Felixstowe	63	47	44	-	-	12.9
Gorleston	57	47	46	-	-	*
Mildenhall	70	50	46	Tr	1	6.9
Cranwell	65	47	48	Tr	-	2.8
Birmingham	65	51	51	*	3	0.9
Upper Heyford	68	52	49	4	3	*
Ross-on-Wye	67	53	53	16	0.1	3.5
Hartland Point	59	49	48	-	-	7.5
Bristol	66	52	51	5	Tr	1.4
Portland Bill	54	49	*	17	-	*
Plymouth	60	45	38	9	0.1	0.0
The Lizard	59	51	*	-	-	11.3
Scilly (St. Mary's)	61	49	*	-	-	9.8
Guernsey						
Pembroke	58	49	*	-	Tr	9.9
Holyhead	63	49	46	-	-	10.3
Chester (Sealand)	65	48	42	1	-	3.8
Manchester	65	47	44	-	-	0.6
Spurn Head	53	46	*	Tr	-	1.0
Catterick	58	49	49	-	-	1.0
Tynemouth	52	48	46	-	-	*
St. Abbs Head	47	44	*	-	-	*
Leuchars	53	46	46	0.1	0.1	0.1
Renfrew (Abbots I.)	61	48	42	-	-	4.9
Eskdalemuir	57	45	42	-	-	0.4
Point of Ayre	55	40	*	1	-	0.1
Tiree	63	49	*	-	-	12.3
Stornoway	54	44	*	-	-	15.4
Dalwhinnie	65	43	34	-	-	11.2
Aberdeen	52	45	44	-	0.1	0.8
Wick	48	44	*	-	-	
Lerwick	50	44	*	-	-	14.3
Blacksod Point	60	49	*	Tr	-	*
Malin Head	56	48	*	0.1	0.3	0.0
Aldergrove	64	43	38	Tr	-	2.8
Birr Castle	65	49	44	0.3	-	3.5
Valentia Obsy.	62	50	41	0.1	Tr	6.3
Roches Point	62	53	*	-	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.)	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	bcm.z.ctr	d.prcr.m.	chor.m	69	53	47	4	1	4.5	*	*	2
Croydon	217	bcm.cut		ofcrom	68	51	49	7	2	2.6	*	*	5
Greenwich (Royal Observatory)	149	fy	ditr.r.	rtlcrom	70	53	49	0.5	5	8.5	71	89	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	68	54	50	·8			82	95	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*									*
Camden Square	110	o	o	*	68	54	50	·8		*	*	95	*
Kensington	80	bcotlrc	cpc	*	68	53	50	*5	3		92	92	*
Hampstead Observatory	450		*								*		

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.
0.2	19h. 7th.	0.1	11-13h. 7th.

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

‡ 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 SECRET

Monday 9th June 1941

No. 29,054

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

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)...	1007.4	-8	SW	2	o/pr	58	92	5	5	-	-	10	10	1500
	Croydon ...	1007.4	-14	S	1	c	61	85	7	5	-	-	7-8	10	3000
	S. Farnborough	1007.0	-12	E'S	2	c	62	75	7	5	-	-	9+	9+	1500
	Boscombe Down	1006.8	-14	ESE	3	c/jp	62	75	6	8	-	-	9+	9+	2500
	Thorney Island	1008.0	-6	SE	3	z	55	92	6	5	-	-	10	10	800
	Lympne ...	1009.0	-10	SSW	3	bc	57	85	8	3	7	-	2-3	4-6	3500
	Manston ...	1007.8	-8	E'N	2	zo	58	85	6	5	3	-	7-8	9	700
2	Shoeburyness ...	1009.1	-6	ENE	2	o	56	85	6	5	-	-	10	10	4000
	Felixstowe ...	1008.6	-8	E'N	3	o/f	53	92	5	5	-	-	10	10	100
	Gorleston ...	1010.7	-6	ENE	1	m	51	85	4	5	-	-	10	10	500
	Mildenhall ...	1007.2	-16	ESE	3	c	67	65	7	8	-	-	7-8	7-8	2000
	Cranwell ...	1010.0	-8	SE	4	c	58	85	7	1	-	-	7-8	7-8	2500
3	Birmingham	1007.1	-12	ESE	2	c	62	75	6	8	7	-	7-8	9	1500
	Upper Heyford	1007.6	-8	E'S	2	c/r	58	92	5	5	7	-	7-8	10	700
4	Ross-on-Wye ...	1006.0	-16	E	2	c	63	75	6	8	-	-	9	9	2500
5	Hartland Point	1006.0	-16	NE	3	o	54	92	7	8	6	-	4-6	7-8	1500
	Bristol ...	1006.8	-18	WSW	2	c/tlr	60	85	6	8	-	-	9+	9+	1000
	Portland Bill ...	1007.8	-8	SW	2	cf+	50	92	2	5	-	-	10	10	<150
	Plymouth ...	1006.9	-18	S'E	3	c	58	75	8	5	-	-	9+	9+	1600
	The Lizard ...	1004.9	-20	E	4	c	56	85	8	8	6	-	7-8	7-8	2500
	Scilly (St. Mary's)	1003.9	-22	SSE	4	c	57	85	7	8	7	-	4-6	9+	1500
	Guernsey ...														
6	Pembroke ...	1006.4	-8	SE'E	2	bc	59	92	7	2	-	-	2-3	2-3	3000
7	Holyhead ...	1006.8	-12	N	4	zo	54	92	6	5	-	-	10	10	1500
	Chester (Sealand)	1006.0	-16	SE	2	zo	63	75	5	5	3	-	7-8	10	1500
8	Manchester ...	1007.5	-10	SSW	1	zo	63	65	6	5	3	-	7-8	10	3500
10	Spurn Head ...	1009.5	-4	SE'E	2	bc	52	85	7	7	3	-	4-6	4-6	4000
	Catterick ...	1008.0	-14	SE	2	zo	65	65	6	2	6	5	4-6	7-8	2200
	Tynemouth ...	1010.5	-4	E	2	o	51	92	6	5	-	-	10	10	600
11	St. Abbs Head	1010.7	0	NW	2	c	49	85	9	8	7	-	4-6	7-8	2000
	Leuchars ...	1009.4	-4	SE	2	c	52	75	8	5	-	-	9+	9+	2200
12	Renfrew (Abbots I.)	1008.1	-10	E'N	3	bc	63	55	7	7	-	-	4-6	4-6	3000
	Eskdalemuir ...	1006.7	-10	S'W	1	bc	64	55	7	7	4	-	4-6	4-6	2500
	Point of Ayre ...	1007.8	-8	SE'E	2	bc	60	85	8	1	3	9	Tr	4-6	2500
13A	Tiree ...	1007.7	0	SE'S	2	bc	61	65	7	5	3	-	2-3	4-6	3500
13B	Stornoway ...	1010.4	+6	NE	4	b	53	85	8	-	8	-	0	Tr	-
15	Dalwhinnie ...	1009.8	-6	NE	2	c	52	75	7	5	2	-	7-8	10	2500
	Aberdeen ...	1009.6	-6	NE	2	c	48	85	7	6	2	-	7-8	10	1200
	Wick ...	1010.4	-2	ENE	3	c	48	75	8	5	2	-	7-8	10	1500
16	Lerwick...	1010.8	-6	NE'E	5	c	48	75	7	5	2	-	7-8	7-8	1500
17	Blacksod Point...	1004.5	-4	SSE	3	c	62	75	8	-	6	-	0	9	-
18	Malin Head ...	1006.4	-6	E'S	4	bc	55	85	7	9	-	1	2-3	4-6	2500
	Aldergrove ...	1006.8	-10	SE'E	3	zo	63	65	6	7	3	-	4-6	4-6	2500
19	Birr Castle ...	1005.0	-10	SSE	2	c	62	75	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy. †	1001.8	-18	E'N	4	c	58	65	9	7	2	-	2-3	10	2500
	Roches Point ...	1003.5	-14	SSE	5	c	57	85	8	3	3	5	2-3	7-8	1500

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

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)	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)	1004.8	-14	E	2	c/pr	59	85	5	8	-	-	9+	9+	1500	1	*
Croydon	1004.8	-14	S	1	c	62	75	7	3	-	-	7-8	7-8	3000	1	*
S. Farnborough	1004.6	-6	SSE	3	bc	62	65	8	1	-	-	2-3	2-3	2500	1	*
Boscombe Down	1005.0	-6	SSW	3	zo	58	75	7	5	4	-	2-3	2-3	3000	1	*
Thorney Island	1005.5	-10	SE'E	2	zo	54	92	6	5	3	-	2-3	2-3	800	0	
Lympne	1007.1	-12	SSE	1	m	52	97	4	5	-	-	10	10	<150	0	§
Manston	1006.1	-4	SSE	3	zo	56	85	6	5	3	-	7-8	7-8	500	0	*
Shoeburyness	1006.7	-14	NE'E	2	c	55	92	6	5	-	-	9+	9+	450	0	
Felixstowe	1006.6	-14	E'N	2	ido	53	97	4	5	-	-	10	10	100	0	1
Gorleston	1007.8	-10	E'S	3	F	51	97	1	-	-	-	10	10	<150	0	2
Mildenhall	1005.1	-10	ESE	3	bc	65	65	7	1	3	-	2-3	2-3	2500	0	*
Cranwell	1007.8	-2	SE'S	4	bc	58	75	7	5	-	-	4-6	4-6	4000	0	*
Birmingham	1004.9	-12	E	2	c/tlr	57	85	6	9	7	-	7-8	9	1500	1	*
Upper Heyford	1004.2	-16	SE	2	zo	61	75	6	8	3	-	4-6	7-8	2500	1	*
Ross-on-Wye	1004.1	-10	S	1	c/r	58	85	6	8	7	3	7-8	9	2500	1	*
Hartland Point	1002.6	-16	NE	3	c	54	85	7	8	7	-	2-3	9	2000	0	3
Bristol	1004.6	-12	-	0	c/pr	58	92	7	8	7	-	7-8	10	1000	1	*
Portland Bill	1004.0	-16	SE	2	f+	50	92	2	5	-	-	10	10	<150	1	2
Plymouth	1002.9	-8	E'S	3	c	56	75	8	-	7	-	0	9+	-	0	3
The Lizard	1001.5	-16	ESE	5	c/pr	52	92	7	8	2	-	9	10	1600	1	4
Scilly (St. Mary's)	999.4	-22	SE	4	c/r	53	92	7	8	2	-	7-8	10	1500	1	4
Guernsey																
Pembroke	1003.4	-18	NW'W	1	c	56	85	7	8	-	-	7-8	7-8	2500	0	3
Holyhead	1004.0	-14	NE'N	4	c/r	52	97	6	5	-	-	9+	9+	2800	1	3
Chester (Sealand)	1004.4	-6	SSE	2	c/pr	60	85	5	3	3	6	4-6	9	3000	1	*
Manchester	1004.9	-10	E'S	3	zo	65	65	6	5	3	-	4-6	7-8	5500	1	*
Spurn Head	1008.0	-2	E'S	3	zo	49	92	5	5	-	-	10	10	1500	0	2
Catterick	1006.5	-6	N'E	3	zo	55	75	6	5	6	8	4-6	9+	3000	0	
Tynemouth	1008.9	-4	ENE	3	o	50	85	6	5	-	-	10	10	1000	0	2
St. Abbs Head	1008.4	-4	ESE	2	bc	49	85	8	4	4	-	2-3	2-3	2500	0	2
Leuchars	1007.8	-8	E	3	bc	52	85	7	5	-	-	2-3	2-3	1800	0	*
Renfrew (Abbots I.)	1006.1	-6	ESE	2	b	64	55	7	1	-	1	Tr	Tr	3500	0	*
Eskdalemuir	1005.8	+2	E'N	3	zo	57	65	6	5	-	-	10	10	1500	0	*
Point of Ayre	1005.5	-8	-	0	c	54	92	8	-	3	-	0	9+	-	0	0
Tiree	1005.6	-6	NNE	2	b	57	75	8	-	-	-	0	0	-	0	3
Stornoway	1009.2	-14	NE	5	bc	50	85	8	5	4	6	2-3	2-3	2500	0	5
Dalwhinnie	1008.0	-6	NE	3	o	53	75	7	5	-	-	10	10	2500	0	*
Aberdeen	1008.4	-6	ENE	1	zo	48	92	6	5	-	-	10	10	1100	0	2
Wick	1009.1	-8	NE	3	c	46	75	8	5	7	-	7-8	10	1500	0	3
Lerwick	1009.6	-2	NE	5	c	47	85	7	5	2	-	7-8	10	800	0	*
Blacksod Point	1003.0	-6	NE	3	c	57	85	7	-	6	-	0	9+	-	1	4
Malin Head	1004.5	-12	E	4	bc	52	85	6	4	-	2	2-3	4-6	2500	0	2
Aldergrove	1004.7	-10	ESE	2	c	63	65	7	5	3	1	7-8	7-8	4000	0	*
Birr Castle	1002.5	-10	SSE	1	c/pr	60	75	8	3	7	-	2-3	7-8	1500	1	*
Valentia Obsy. †	1000.1	-6	E'S	4	c	57	65	9	5	7	-	2-3	10	2500	0	3
Roches Point	1001.1	-14	SE	5	c	55	85	8	8	1	-	7-8	9	1500	1	5

PAST 24 HOURS.

Stations	Weather 7h.—13h. 8th (37)	13h.—18h. 8th (38)	18h. 8th to 1h. 9th (39)	1h.—7h. 9th. (40)
London (Kew)	rodfpoc	cprcmo	probccir	cmcromo
Croydon	rommoc	cmoprobc	cbczocmo	cmororo
S. Farnborough	omdpro	cbc	bccmm	cwdrmo
Boscombe Down	cmo	czoprbc	cmo	cmocroro
Thorney Island	ofcomm	ocbcmo	bcofomo	orrmoiro
Lympne	formbc	bcomo	FeFefmo	crorom
Manston	cmo	cbccmo	mofFifmo	
Shoeburyness	cmomo	omo	omofe	fepre
Felixstowe	cmofo	omoom	oidom,f	oidoffcm
Gorleston	offm	omFF	oFFd	OFFe
Mildenhall	ofcmobc	cbcybc	bcoidomo	oidomocmo
Cranwell	cmobc	czobbc	bc, ofdF	odfdmo
Birmingham	foiroc	ctctlro	coir	oiro
Upper Heyford	circmo	cidoprocm	cpromdocmo	irocrorómo
Ross-on-Wye	omdcmo	cutpoctr	cRcmo	oromo
Hartland Point	bc	c	ciro	crororc
Bristol	cmctlpoc	ctlromoPr	cmo	cmororrr
Portland Bill	oFFo	oF	orr	ORro
Plymouth	fcNMc	bcc	c,rrmoirmo	crorodrc
The Lizard	bc	cproc	orr	c
Scilly (St. Mary's)	bc	cr	cirrrc	cbc
Pembroke	bc	bcc	c	cmorobmo
Holyhead	mirmoc	rrRmoc	mPRlqc	PRqmoc
Chester (Sealand)	ciroz	czoproPR	cmoomo	omo
Manchester	cffmzo	cbcczo	czobcmo	bccmom
Spurn Head	bc	c	omof	Fdof
Catterick	co	czczo	czocmo	ofoido
Tynemouth	cmczo	o	o	omo
St. Abbs Head	c	cbc	bc	bcc
Leuchars	cidoc	cbcbbc	bcc	c
Renfrew (Abbots I.)	bzobcy	bcyby	bybzobcmo	bcmob,c
Eskdalemuir	cmobcy	bcycmo		cmo
Point of Ayre	bc	c	Plrt	cbc
Tiree	bc	b	b	b
Stornoway	b	bbc	c	c
Dalwhinnie	o	o	*	co
Aberdeen	iroc	como	omo	cidod
Wick	c	c	c	c
Lerwick	c	c	c	c
Blacksod Point	c	c	bc	rr
Malin Head	bc	bc	c	c
Aldergrove	ocmobc	bczobc	bcc	ccmo
Birr Castle	c	cpro	c	
Valentia Obsy. †	c	ciroc	crorociro	ciroc
Roches Point	bcc	c	roroiR	rororr

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.*

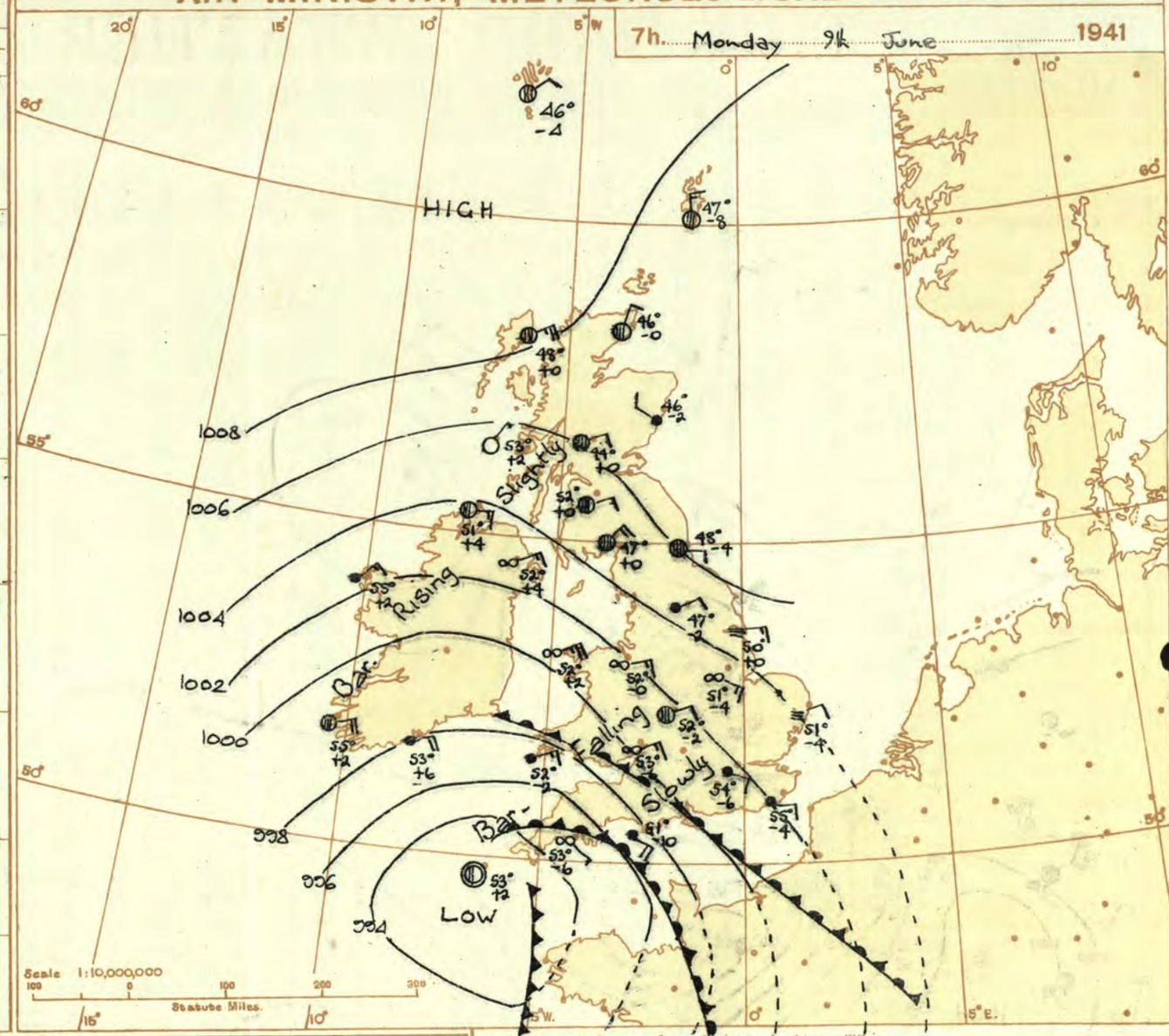
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday 9th June 1941

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 8th June			18h. G.M.T.			01h. G.M.T. 9th June			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-	02845	05425	53	02845	06325	5-	02748	06328	53	02846	32327
115				54	02844	08425	52	02734	08527	52	02834	04427
203				51	02854	04318	50	00852	04222	51	02844	08418
206	5-	02848	08328	5-	02848	06328	5-	03848	00028	5-	03858	02128
210	5-	02848	05228	5-	02838	04328	5-	02738	02128	5-	02748	01228
220				51	02854	12128				30	05742	06402
230	70	05675	32115	20	05661	00011	03	00790	00002	00	00890	00000
245	5-	21624	10258	5-	05657	08227	5-	51548	24258	5-	02858	02258
260	50	00751	08311	00	00890	06300				5-	05638	04128
277												
279	20	02762	28113	8-	81657	12187				5-	05637	06527
285										--	46209	08449
288	03	45390	05344	5-	05548	04348				5-	52638	06358
273										5-	05545	02415
301	5-	05568	00028	8-	93558	10298	83	05563	09495	5-	05636	08528
321	7-	05656	09226	5-	05654	08327	5-	05538	06328	--	57309	04349
299	57	01754	12268	50	01753	08213						
292	57	05656	10127	07	01653	11224	5-	05628	07328	5-	52528	04258
310										--	57109	04449
316	8-	05664	08245	43	01762	05214	--	57209	06259	--	57209	04359
333	5-	05668	28328	52	61655	04168	51	61656	08368	52	05664	06368
334										--	03537	06328
340	2-	13568	09228	83	05664	15324	5-	05528	08528	5-	05628	08428
136	8-	05648	09248	03	09590	06311	5-	52418	09348	5-	21628	09358
336										52	22643	14368
350	56	21655	02166	8-	35656	04386				5-	05538	05328
368										62	62635	05468
379	26	25456	06287	36	02744	12315	5-	05576	12326	6-	61528	08468
398	5-	02758	10228	83	01753	11213	5-	45218	12358	57	61435	10268
382	53	81645	10287	86	25654	12285	57	05654	08127	62	51535	06268
438	--	46009	16349									
430	8-	05658	14328	60	05525	14215	07	05690	05348	52	22656	08468
402	2-	02855	12415	52	02763	10528	51	61635	12568	52	21636	08268

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 9th June
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Moderate southeast or east wind backing northeast later. Dull and rainy; some fog on East coast. Rather cool.
5 S.W. England 6 South Wales ... 7 North Wales ...	Moderate or fresh east wind, backing northeast or north later. Dull and rainy at first, some bright intervals later. Rather cool.
8 N.W. England	Moderate east wind, backing northeast. Fair; average temperature.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light to moderate east or northeast winds. Dull with local drizzle. Some fog on coast. Cool.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W. Scotland.	As 8.
14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	As 9-11
17 N. W. Ireland	As 5-7
18 N. E. Ireland	As 8
19 S. E. Ireland 20 S. W. Ireland	As 5-7

GENERAL INFERENCE.

A rather deep depression centred near the Scillies is moving eastwards. Weather will be unsettled with rain at times in southern districts. In the North it will continue mainly fair, but with much cloud and local drizzle on East coasts. It will be rather cool in most areas.

FURTHER OUTLOOK.

A brief fair period, followed by further rain in southern districts.

Warm front.
Cold front.
Occlusion.

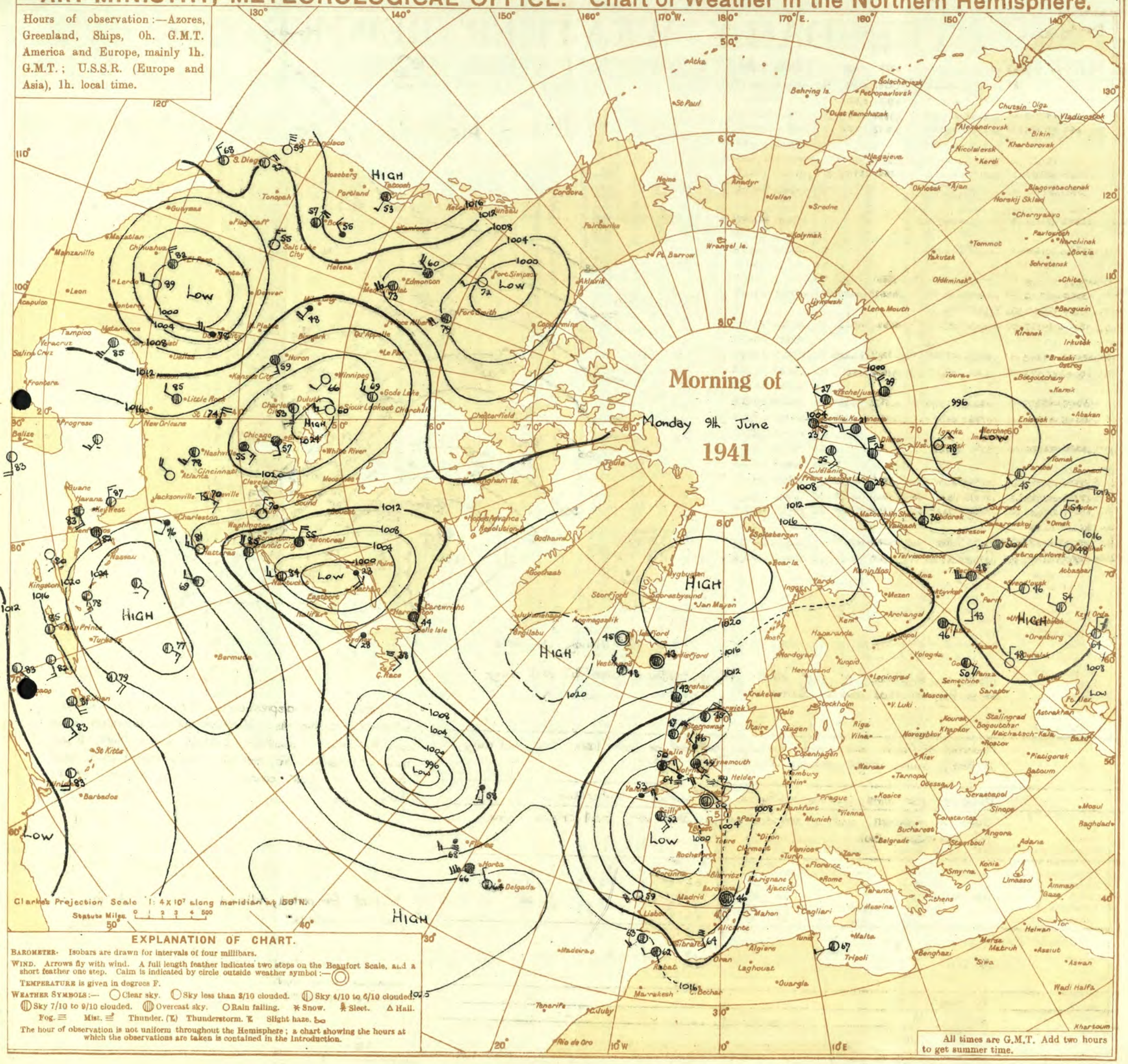
Forecasts issued at

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

H.M.S.O. Press, Cornwall House, S.E.1.
G.256. Wt. 8176. 2. 6034. Gp. 943. 9300. 5/41

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 two hours to get summer time.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 9th June. 1941

No. 29,054

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

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	1003·3	-14	—	0	zo	50	97	5	-	7	-	0	9+	-
	S. Farnborough	226	1002·4	-16	E	2	zo	52	92	6	-	7	-	0	10	-
	Boscombe Down	417	1002·1	-18	E'S	3	zo	52	92	6	5	-	-	10	10	4000
	Thorney Island	10	1001·4	-28	E	4	zo	52	92	5	5	2	-	2·3	10	2500
	Lympne	346	1005·3	-18	ESE	2	c	51	97	7	-	7	7	0	10	-
	Manston	154	1004·0	-18	ESE	2	c/f	51	97	5	5	4	6	1	7·8	100
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1005·3	-10	E'S	2	df	51	97	2	-	-	-	10	10	<150
	Gorleston	5	1006·1	-10	S'E	2	F+	51	92	1	-	-	-	10	10	<150
	Mildenhall	19	1004·3	-12	ESE	3	o/d	52	92	6	5	-	-	10	10	300
	Cranwell	240	1006·1	-12	E	3	dF	50	97	1	-	-	-	10	10	<150
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1002·7	-10	E	3	zo	54	97	6	5	-	-	9+	9+	500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	998·2	-22	E	5	c/r	52	85	7	8	2	-	7·8	10	1500
	Bristol	209	1001·5	-16	ESE	1	zo	53	85	6	5	1	-	7·8	10	1500
	Portland Bill	32	1000·4	-20	E	4	rr	49	92	7	5	-	-	10	10	2500
	Plymouth	82	999·1	-18	E'S	4	rr	51	97	6	6	2	-	9	10	2500
	The Lizard	240	996·5	-24	SE'E	6	rr	51	97	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	994·5	-16	SSE	4	c/r	52	75	6	6	2	-	9	10	1500
	Guernsey	175														
6	Pembroke	142	1000·2	-8	ESE	4	c	54	85	7	8	6	-	7·8	10	2500
7	Holyhead	26	1001·1	-16	E'N	5	cjf	54	97	5	5	-	-	9+	9+	3200
	Chester (Sealand)	16	1003·0	-8	ESE	3	zo	56	75	5	5	-	-	10	10	1600
8	Manchester	70	1004·1	-6	E	4	zo	52	85	6	5	-	-	4·6	4·6	5000
10	Spurn Head	29	1005·9	-10	E'S	3	F+	49	97	1	-	-	-	10	10	<150
	Catterick	175	1006·4	-6	NE	1	·zo	41	92	5	5	-	-	10	10	500
	Tynemouth	108	1008·5	-4	E	3	o	49	92	6	5	-	-	10	10	800
11	St. Abbs Head	280	1008·4	0	S	3	bc	46	97	8	5	2	-	2·3	4·6	2800
	Leuchars	36	1006·9	-4	N	2	c	49	85	7	5	-	-	10	10	1800
12	Renfrew (Abbots I.)	19	1006·4	0	E'N	2	zo	49	85	6	-	3	4	0	4·6	-
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1003·9	-8	E'N	4	bc	51	97	7	2	4	-	1	2·3	1500
13A	Tiree	22	1004·7	-4	N	1	b	50	92	8	-	-	8	0	Tr	-
13B	Stornoway	80	1008·0	+8	ENE	5	c	47	92	7	5	4	5	4·6	10	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1008·2	-4	NE	2	c	46	85	8	5	7	-	7·8	10	1500
16	Lerwick	156	1008·0	-6	NE	4	c	45	85	7	5	2	-	7·8	10	800
17	Blacksod Point	18	1003·0	-2	NNE	2	b	54	85	8	-	4	-	0	1	-
18	Malin Head	84	1004·1	-8	E	3	c	50	85	7	8	-	-	7·8	7·8	2500
	Aldergrove	268	1003·6	-10	E'N	3	c	53	85	7	5	-	-	9+	9+	2700
19	Birr Castle	173	1001·3	-10	SSE	2	c	51	92	8	5	-	-	10	10	4000
20	Valentia Obsy.	30	999·4	-2	ENE	3	iro	53	85	7	5	2	-	7·8	10	1500
	Roches Point	22	998·2	-18	E'S	4	iR	54	97	6	6	2	-	7·8	10	800

OBSERVATIONS at 7 hr. G.M.T. 9th June — 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)	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)	Temp. Max. Day 7h–18h °F. (31)	Temp. Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 8th Hrs. (36)
London (Kew)	1000·3	-10	E'N	3	iro	55	92	5	5	-	-	10	10	2500	1	*	63	52	40	2	2	0·2
Croydon	1000·6	-6	ESE	2	roro	54	97	5	5	2	-	9+	10	1600	1	*	65	48	47	0·6	1	2·4
S. Farnborough	999·5	-14	E	3	c/r	53	97	5	6	3	-	7·8	9+	1000	1	*	69	51	48	1	2	4·9
Boscombe Down	998·7	-10	E'S	3	roro	53	97	6	6	2	-	9+	10	300	1	*	63	51	51	0·3	2	3·1
Thorney Island	998·7	-12	E'N	3	iro	55	92	7	5	7	-	7·8	10	2500	1		59	49	46	-	3	*
Lympne	1002·5	-4	E	2	roro	55	92	6	5	2	-	2·3	10	1800	1	§	59	47	44	-	1	3·2
Manston	1001·5	-6	SE'S	2	zo	56	85	6	5	2	-	7·8	10	3000	0	*	61	49	48	-	-	*
Shoeburyness	1002·4	-4	E	2	c/pr	56	92	6	6	1	-	7·8	10	2500	0	*	58	50	43	-	Tr	0·2
Felixstowe	1002·4	-18	ENE	3	m/f	54	97	4	5	7	-	1	10	6000	1	2	55	49	49	-	Tr	0·3
Gorleston	1004·0	-4	ENE	2	F	51	92	1	-	-	-	10	10	<150	1	1	52	49	49	-	-	*
Mildenhall	1002·0	-8	E	3	zo	54	92	6	5	1	-	9	10	500	0	*	69	51	51	-	Tr	7·0
Cranwell	1004·7	-4	ESE	3	zo	51	97	6	5	-	-	10	10	400	1	*	61	47	49	-	0·3	5·7
Birmingham	1001·7	-2	ENE	2	c/r	52	92	5	6	-	-	10	10	450	1	*	63	52	51	0·6	2	0·4
Upper Heyford	1000·5	-10	E	3	roro	52	97	5	6	2	-	9	10	600	1	*	63	51	49	1	1	*
Ross-on-Wye	1000·7	-6	ENE	3	zo	53	97	5	6	1	-	9+	10	800	1	*	65	52	51	1	9	2·8
Hartland Point	996·5	-4	NNE	3	roro	52	97	6	5	2	-	7·8	10	500	1	3	57	50	49	-	3	4·7
Bristol	998·8	-10	E	2	roro	53	97	6	6	2	-	4·6	10	1000	1	*	64	51	49	3	3	1·7
Portland Bill	996·6	-10	SE	4	roro	51	92	7	5	-	-	10	10	2500	1	3	52	48	*	-	12	*
Plymouth	996·5	-6	SE	1	zo	53	92	6	6	2	-	9	10	500	1	3	59	50	50	-	7	*
The Lizard	995·3	-4	SE	2	c	53	97	7	5	-	-	9	9+	1500	1	2	58	50	*	0·5	14	4·[illegible]
Scilly (St. Mary's)	994·7	+2	—	6	bc	53	97	7	2	4	5	1	4·6	1500	1	4	57	50	*	1	5	6·4
Guernsey																						
Pembroke	998·2	-2	ENE	3	roro	52	97	6	8	-	-	9+	9+	2500	1	3	59	51	*	-	3	6·4
Holyhead	1000·0	+2	ENE	5	zo		97	5	5	7	-	7·8	10	4000	1	4	57	51	51	4	4	1·1
Chester (Sealand)	1002·1	0	E'N	3	zo	52	85	6	5	-	-	10	10	1000	1	*	66	51	51	1	-	1·3
Manchester	1002·5	-2	NE	3	zo	51	85	5	5	7	-	2·3	10	3500	0	*	68	49	49	-	-	1·6
Spurn Head	1004·4	0	E'N	3	F	50	97	0	-	-	-	10	10	<150	1	2	52	47	*	-	Tr	4·1
Catterick	1005·3	-2	ENE	2	ido	47	97	5	5	-	-	10	10	400	0	*	66		46	-	7	4·8
Tynemouth	1006·6	-4	E	2	o	48	97	6	5	-	-	10	10	600	0	2	51	47	46	-	-	*
St. Abbs Head	1006·1	0	SE	2	c	48	92	8	5	2	-	9	10	2000	0	2	51	44	*	-	-	*
Leuchars	1006·1	+2	NE'N	2	c	48	85	7	5	-	-	10	10	900	0	*	56	47	47	0·1	-	5·1
Renfrew (Abbots I.)	1005·7	0	ENE	2	c	52	75	7	5	-	-	10	10	2000	0	*	66		37	-	-	11·4
Eskdalemuir	1005·0	0	NE	3	o	47	92	5	5	-	-	10	10	<150	0	*	67	45	45	-	-	5·9
Point of Ayre	1002·9	-2	ENE	5	bc	50	97	6	5	4	-	4·6	4·6	3000	1	4	61	50	*	-	11	8·7
Tiree	1005·0	+2	NE'N	1	b	53	85	8	-	-	-	0	0	-	0	2	63	49	*	-	-	11·6
Stornoway	1008·6	0	ENE	5	c	48	85	8	5	7	-	7·8	9+	2500	0	4	54	45	*	-	-	13·4
Dalwhinnie	*	0	ENE	2	o	44	92	7	5	-	-	10	10	800	1	*	57	39	33	-	-	0·0
Aberdeen	1006·4	-2	NW'N	2	ido	46	97	6	6	-	-	10	10	1200	1	2	49	45	44	Tr	Tr	0·0
Wick	1006·8	0	NNE	2	c	46	75	8	5	3	-	4·6	9+	2500	0	2	49	45	*	-	-	*
Lerwick	1006·3	-8	N	3	c	47	75	8	5	7	-	7·8	9	1500	0	*	50	44	*	-	-	0·3
Blacksod Point	1002·5	+2	NE	3	roro	55	92	7	6	-	-	10	10	1500	1	3	65	52	*	-	0·5	*
Malin Head	1003·8	+4	E	3	c	51	85	7	9	-	-	7·8	7·8	4000	0	1	57	49	*	-	-	12·[illegible]
Aldergrove	1003·5	+4	NE'E	3	zo	52	85	6	5	7	-	2·3	9	1200	0	*	64	50	50	-	-	7[illegible]
Birr Castle																*	64			0·1		
Valentia Obsy.	999·2	+2	NE'E	4	c	55	85	8	5	7	-	7·8	9+	4000	1	3	60	53	50	Tr	0·4	0·8
Roches Point	998·2	+6	E'N	4	rr	53	97	6	6	2	-	7·8	10	800	1	5	58	52	*	0·1	11	*

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. (To-day)
Kew	18	rodofproc	cprcmo	rorbccmo	63	52	40	2	2	0·2	*	*	6
Croydon	217	rommoc	cmoprobcc	bczomocc	65	48	47	0·6	1	2·4	*	*	6
Greenwich (Royal Observatory)	149	cmoro	crr.croc	obcirom	64	50	47	2	0·3	1	88	88	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	65	53	51	11			77	92	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*		51	46	0·6	15		83	91	*
Camden Square	110	o	c	*	66	52	51	16		*	*	92	*
Kensington	80	op	epbc	*	64	52	48	2	2		87	91	*
Hampstead Observatory	450	orm	bcor	o	63	49	47	0·3	7		*	95	*

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.
0·6	10h 8th	<0·1	16h 8th

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.

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

‡ 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.

SECRET

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 10th June 1941

No 29055

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

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)	999·2	-2	ENE	3	zo	62	75	6	5	-	-	10	10	1500
	Croydon	999·2	-6	E'N	2	iro	61	85	6	6	2	-	7-8	10	1600
	S. Farnborough	999·2	+8	S'E	2	rr	58	92	6	6	2	-	10	10	1500
	Boscombe Down	998·5	+2	SE'E	3	zo	59	85	7	8	1	-	9+	10	2000
	Thorney Island	998·8	+2	E'N	3	iro	56	92	6	5	-	-	10	10	1500
	Lympne	1000·4	-10	E	3	iro	59	85	7	5	2	-	4-6	10	2200
	Manston	999·8	-10	E'N	2	iro	59	85	6	5	7	-	2-3	10	3000
2	Shoeburyness	1000·9	-4	E'S	2	ir	57	92	6	6	-	-	10	10	2500
	Felixstowe	1000·7	-10	E	3	iro	57	85	6	-	7	-	10	10	6000
	Gorleston	1002·6	-8	E'S	3	c	57	85	6	5	3	-	4-6	9	1500
	Mildenhall	1000·3	-12	ESE	4	c	67	55	8	7	2	-	4-6	10	2000
	Cranwell	1003·3	-8	ESE	4	c	62	75	7	5	3	-	9	9+	1500
3	Birmingham	1000·6	-4	ENE	3	o/r	56	85	5	6	-	-	10	10	800
	Upper Heyford														
4	Ross-on-Wye	999·0	+4	ENE	2	ir	55	97	6	6	-	-	10	10	800
5	Hartland Point	996·9	+6	WNW	3	bc	59	85	8	2	4	4	2-3	4-6	1500
	Bristol	998·4	0	SSW	3	c	62	75	8	7	7	-	7-8	9+	2200
	Portland Bill	998·0	+4	E	3	F	53	92	3	5	-	-	10	10	<150
	Plymouth	997·6	+6	SSW	3	c	61	75	8	8	-	3	2-3	9	2000
	The Lizard	996·7	+8	S	3	c	56	92	7	8	2	-	7-8	9+	1400
	Scilly (St. Mary's)	996·9	+2	ENE	1	c	58	85	7	8	2	-	7-8	10	1500
	Guernsey														
6	Pembroke	998·4	+8	ENE	3	dodo	55	97	7	8	2	-	7-8	10	2500
7	Holyhead	1007·2	+10	NE'E	4	zo	53	92	6	5	7	-	2-3	10	4600
	Chester (Sealand)	1001·6	-2	E'N	3	roro	59	85	5	5	2	-	9+	10	1200
8	Manchester	1002·2	-2	NE	4	m/r	55	85	4	5	7	-	2-3	10	3500
10	Spurn Head	1003·5	0	E'N	3	F	51	97	1	-	-	-	10	10	<150
	Catterick	1004·9	-2	NE'N	3	m	50	75	4	5	-	-	10	10	500
	Tynemouth	1006·5	+2	ENE	3	zo	48	92	5	5	-	-	10	10	700
11	St. Abbs Head	1006·2	0	*	*	c	50	85	8	5	2	-	7-8	*	2000
	Leuchars	1006·3	0	SE	3	c	53	75	8	7	-	-	10	10	2200
12	Renfrew (Abbots I.)	1005·2	0	ENE	3	c	59	65	7	5	-	-	7-8	7-8	2500
	Eskdalemuir	1004·4	0	NE'E	3	c	55	75	7	5	-	-	9+	9+	1500
	Point of Ayre	1003·2	+2	E	2	c	55	92	6	5	1	-	4-6	10	2000
13A	Tiree	1004·9	-2	NNE	2	b	58	65	8	-	3	-	0	1	-
13B	Stornoway	1003·6	+4	NE	5	c	49	75	8	5	7	-	7-8	9+	2000
15	Dalwhinnie	1006·7	+2	ENE	3	c	48	75	7	5	2	-	9	10	1500
	Aberdeen	1006·4	+2	NW'N	4	o/d	50	85	6	5	-	-	10	10	1200
	Wick														
16	Lerwick														
17	Blacksod Point	1004·2	+10	NNE	4	c	59	85	7	5	-	-	10	10	1500
18	Malin Head	1005·0	+6	NE	1	c	52	85	6	5	8	-	4-6	7-8	4000
	Aldergrove	1003·9	+2	E'N	2	zo	61	65	6	1	3	-	2-3	9	2500
19	Birr Castle	1002·5	+10	N	2	c	57	85	8	5	-	-	10	10	4000
20	Valentia Obsy. †	1001·5	+6	N'E	4	c	60	75	7	5	1	-	7-8	10	1500
	Roches Point	999·9	+12	ENE	3	c/r	58	92	8	6	2	-	7-8	9	1500

OBSERVATIONS at 18h. G.M.T. 9th June — 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)	°F. 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.–13h. 9th (37)	Weather 13h.–18h. 9th (38)	Weather 18h. 9th to 1h. 10th (39)	Weather 1h.–7h. 10th (40)
London (Kew)	998·9	-4	NNE	3	rr	57	85	5	6	2	-	7-8	10	1500	1	*	codo9odo	cecrmmo	crodoro	crrroro
Croydon	998·8	-2	NE'E	2	dodo	56	97	5	6	2	-	9	10	800	1	*	cmdroemo	crrmdd	crorom	crrrorom
S. Farnborough	998·9	0	ENE	2	c/r	56	92	6	6	2	-	10	10	1000	1	*	ro rrmoc	crrmoc	cmoidorodo	cdomrRro
Boscombe Down	998·7	+2	ENE	3	iro	59	85	7	6	7	8	4-6	9+	1000	1	*	ciromo	cdoiromo	circdodomo	crorom
Thorney Island	998·5	-4	E	1	c	61	85	7	8	3	-	7-8	9	1800	1		orr,fomo	orgmcmo	Fmcmo	morore
Lympne	999·5	-6	—	0	rr	57	97	5	6	2	-	9+	10	200	1	§	ciromo	crmm	rirorrmo	dddomm
Manston	998·9	0	ENE	2	roro	55	92	6	2	7	-	4-6	10	2500	1	*	croro iromo	rocmoro	ciro roromo	rrdodo
Shoeburyness	999·8	-2	NE	3	iro	57	92	7	6	2	-	7-8	10	2500	1	*	cirmo	cirmo	ciror	crroro
Felixstowe	999·3	-10	NE	3	roro	56	92	6	6	7	-	tr	10	2500	1	2		roroir	crorolromo	oiro
Gorleston	1001·7	-4	ENE	4	c	56	85	6	5	3	-	4-6	9+	1400	0	3	OF czo	czozo	czomproiro	oirzo
Mildenhall	1000·3	0	NNW	2	c/r	60	85	8	5	2	-	7-8	10	2000	1	*		cyeroroc	cmororo	ororomo
Cranwell	1003·2	+2	E	4	iro	58	85	7	6	2	-	2-3	10	2800	1	*	cmoc	ciro ciro	ororomom	ororommo
Birmingham	1000·7	+2	ENE	3	ir	57	85	5	6	-	-	10	10	450	1	*	oiro	oiro	orr	orro
Upper Heyford																*		chrrororommo		crorrmo
Ross-on-Wye	999·5	+4	ENE	3	iro	57	97	6	6	1	-	9+	10	800	1	*	romorrop	rmoroc	rooo	roro
Hartland Point	998·1	+8	NNW	1	c	57	85	8	9	7	-	2-3	9	2000	1	3	roro ciro cbc	bcc	cbc	bcc
Bristol	999·1	+4	E	2	iro	60	85	7	9	7	-	4-6	9+	1800	1	*	cmorodoc	ciro	cirobcc	rodorrmo
Portland Bill	998·6	+6	E	2	bc	55	92	8	2	-	-	4-6	4-6	4000	1	3	off	cbc	bcc	oc
Plymouth	998·3	+6	S	2	c	*	73	8	2	7	3	1	7-8	3000	0	3	cmororoc	c	bbcw	bccmocw
The Lizard	998·1	+6	ENE	2	c	55	85	8	8	2	-	7-8	9+	2000			c	c	bccf	ifmbcc
Scilly (St. Mary's)	998·5	+6	N'E	2	c	58	85	8	8	7	3	4-6	7-8	1500	1	3	bcb	c	bcof	off
Guernsey																				
Pembroke	999·1	+6	N'E	2	c	61	85	6	8	6	-	4-6	7-8	2500	1	3	crrdodo	bcczo	ciro	
Holyhead	1001·4	+4	ENE	5	c/r	*	97	5	5	2	-	7-8	10	2500	1	3	moroc	moroc	moc	zcmoc
Chester (Sealand)	1002·1	+4	NE	3	m	57	85	4	5	-	-	7-8	10	1000	1	*	ocrorom	cmororom	cfcmroro	cmommo
Manchester	1002·3	+2	NE'E	4	c/r	57	85	5	5	-	-	10	10	3500	0	*	cmozromo	cirom	ircmo	cmoxro
Spurn Head	1003·1	0	NE	4	F	50	97	1	-	-	-	10	10	<150	0	2	F	F	F	oq
Catterick	1005·2	+2	NE	3	o/d	50	92	4	5	-	-	10	10	300	0			midom	oidofomo	omocido
Tynemouth	1006·4	0	NNE	3	o	48	92	6	5	-	-	10	10	1000	0	2		o	o	o
St. Abbs Head	1006·8	+2	N	1	iro	47	92	8	5	2	-	7-8	10	2000	1	2		ciro	c	c
Leuchars	1006·6	+2	E	3	co	51	85	7	5	-	-	9+	9+	2500	0	*	c	c	c	c
Renfrew (Abbots I.)	1005·6	+4	E	2	c	57	65	7	5	7	-	7-8	10	3500	0	*	cbc	bcc	cczocz	czczoc
Eskdalemuir	1005·1	+6	E'N	3	c	51	85	8	5	-	-	10	10	1500	0	*	cmoc	c	c	c
Point of Ayre	1003·5	0	ENE	4	bc	54	85	6	-	4	-	0	2-3	—	1	4	c	cbc	cbc	bcc
Tiree	1005·8	+2	N'E	4	b	53	75	8	-	-	-	0	0	—	0	5	bbcb	b	c	
Stornoway	1010·6	+4	NE	5	c	49	75	8	5	7	-	7-8	9+	2000			c	c	cbc	c
Dalwhinnie	1006·7	+4	NE	3	o	48	65	7	5	-	-	10	10	1500	0	*	c	o	*	oidoc
Aberdeen	1007·2	+8	N'W	4	c	51	75	8	5	-	-	9+	9+	2100	1	2	ocidor	c		
Wick																		oq	cqcbc	bcror
Lerwick																*		c	cbc	ccro
Blacksod Point	1006·3	+8	N	5	e	56	92	7	5	-	-	10	10	1500	0	5	c	c	c	c
Malin Head	1005·7	+4	NNE	1	bc	53	92	8	-	-	2	0	2-3	—	0	1	c	bc	bc	c
Aldergrove	1004·0	+2	NE	2	zo	61	65	6	-	7	2	0	4-6	—	0	*	bcczo	cbczo	bz,c	ciroc
Birr Castle	1002·9	+6	NE	2	c	62	75	8	5	-	8	7-8	9	4000	1	*	c	c		c
Valentia Obsy. †	1004·0	+16	NNE	4	c	60	73	7	8	3	-	9	9+	2500	1	3	ciroc	cproc	cbccmo	cbcwmoc
Roches Point	1001·8	+10	NNE	3	c/r	56	92	7	6	2	-	7-8	9	1500	1	4	iroiRc	irc	c	bc

#1

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

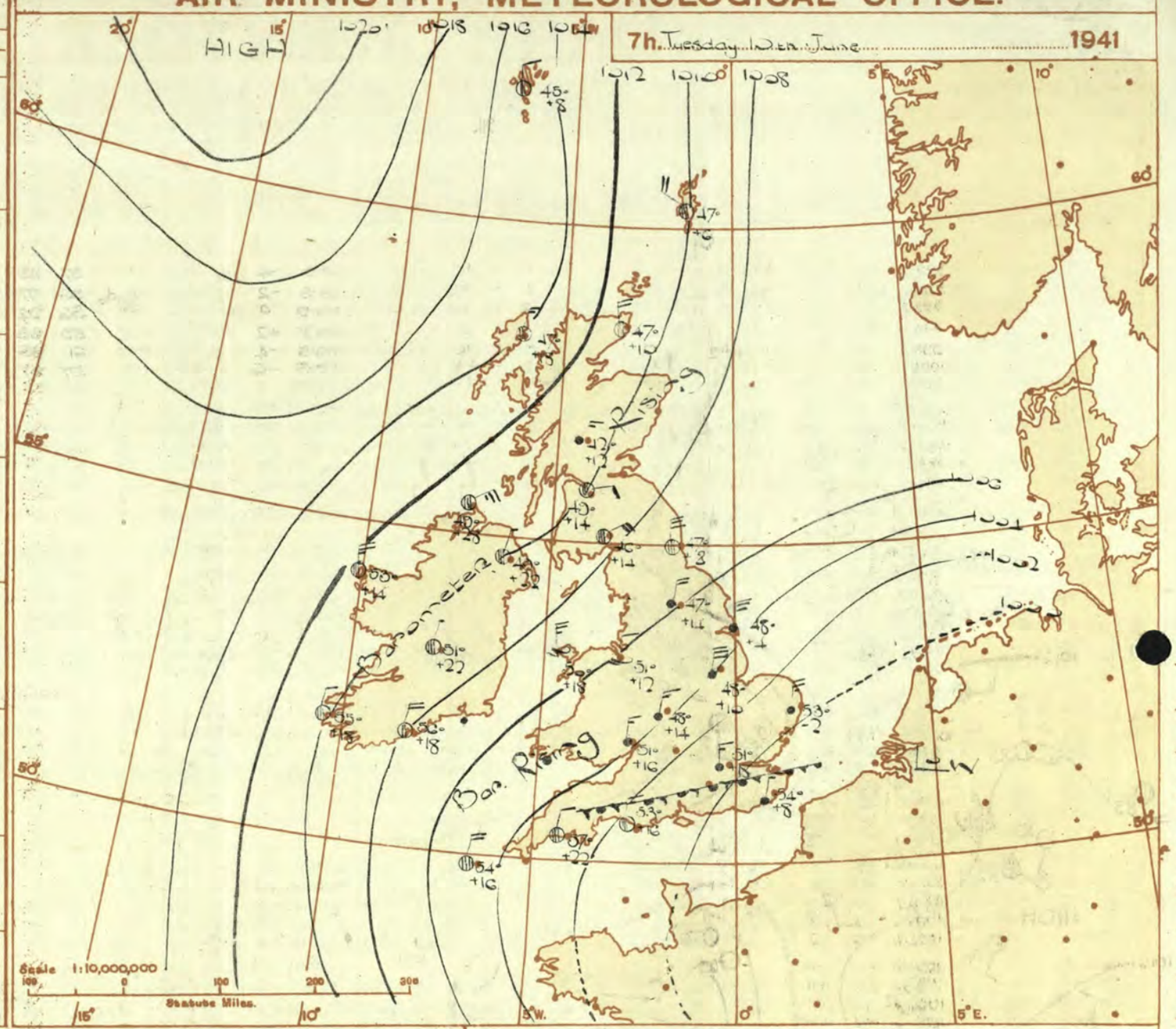
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

AIR MINISTRY, METEOROLOGICAL OFFICE.

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 9th June			18h. G.M.T.		01h. G.M.T. 10th June			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-	03848	02428	5-	02857	32527	5-	02844	30424	8-	02855	29385
115	52	02844	08387	52	02844	04427	52	81844	04487	52	02944	32387
203				5-	02845	32525	5-	02848	32428	8-	02947	32527
206	5-	02854	08328	5-	02854	32228	53	02865	32127	8-	25855	02287
210	57	02854	03328	57	02853	02327	5-	02857	32328			
220	13	05741	04503	04	05790	04603				23	01954	02414
230	5-	02847	04527	57	02965	01316	57	02957	02428	50	01964	32414
245	5-	02858	23368	5-	02866	06326	5-	02857	01427	84	02955	30326
260	8-	02745	06227	5-	02868	04328	5-	02758	08228	5-	02858	04228
277												
279	5-	05648	04428	53	05654	05526				5-	02738	04428
285										6-	51538	04658
288	5-	21538	02258				5-	05534	02358	5-	21538	32358
273												
301	8-	05663	08528	53	05664	08427	51	05664	08328	5-	0[illegible]76	082[illegible]8
321	51	05648	04328	5-	05647	03428	5-	51528	04458	5-	05738	32428
299	--	46009	06349				5-	08438	32548	5-	05648	30528
292	5-	05628	04358	5-	02638	03268	5-	05638	32328	5-	05628	30428
310	--	46209	04549							--	02526	04526
316	5-	05635	04328	63	62434	03368	62	62425	02468	62	62526	32568
333	62	64655	04368	52	61545	043×10	2-	22455	00068	54	05642	32325
334										--	03437	12228
340	52	61636	04468	62	64436	37468	52	64443	02268	52	61646	31368
136				52	22755	03268	--	46209	04463	02	64628	01548
336	62	62643	06368	52	64643	08368				52	22643	32368
350				52	64645	02368	62	62428	04368	6-	62628	01468
368	86	02844	13365									
379	62	62625	06468	52	62666	06268	02	64518	04468	02	62528	32468
390	57	05664	08327	62	62436	04168	62	64436	05368	5-	61638	02468
382	62	64636	10368	62	62635	04168	62	66536	02468	62	62636	01568
438										02	64519	32469
430	62	63626	12268	83	0744×	00027	5-	41467	00048	52	22635	06468
409	24	02844	12326	57	15848	03215	5-	43318	30248	52	05625	32348

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 10th June, 1941
1 S.E. England 2 E. England ...	Moderate N.E. wind, fresh locally backing N. or N.W, dull. Some rain. Bright intervals locally tomorrow. Cold.
3 E. Midlands ... 4 W. Midlands ...	Moderate N.E. wind, fresh locally backing N.W. Rain at first. Bright intervals later. Cold.
5 S.W. England 6 South Wales ...	Moderate N.E. wind fresh locally backing N.W. Cloudy at first with local rain. Bright intervals and local showers later. Cold.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Moderate N.E. wind, backing N.W, fresh locally. Cloudy. Bright intervals later. Local showers. Cold.
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 N.E. wind. fresh locally backing N.W. Bright intervals. Local thundery showers. Cold.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 7–10

GENERAL INFERENCE.

A depression over N.E. France will move N.E. and a ridge of high pressure off our west coasts will develop somewhat and move east. Another depression in the Atlantic is moving east slowly.

FURTHER OUTLOOK.

A short interval of fairer weather but local thundery showers. Further rain spreading from S.W. before long.

Warm front
Cold front
Occlusion

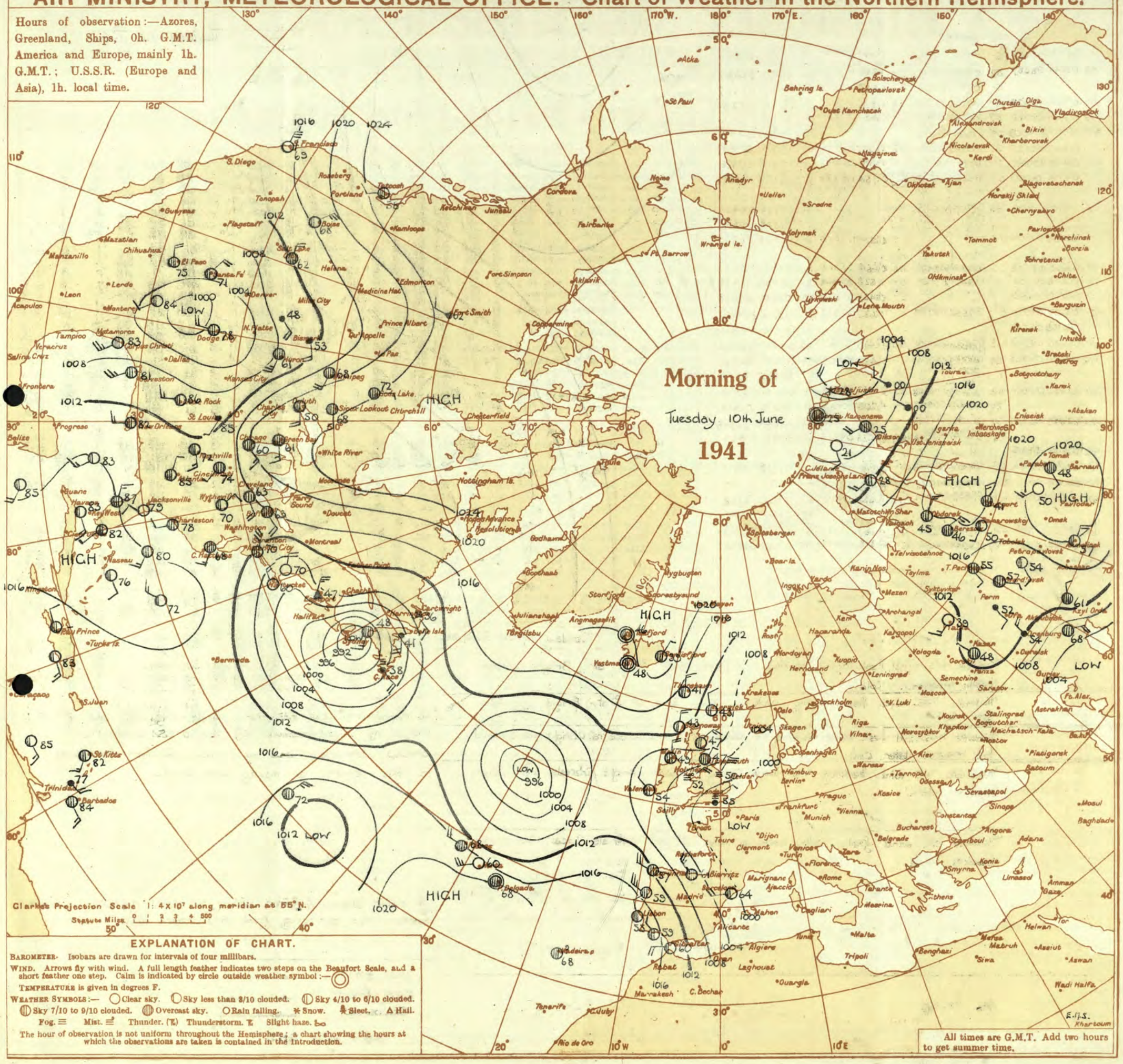
Forecasts issued at 10.30. GMT.

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

H.M.S.O. Press, Cornwall House, S.E.1. G. 266. No. 8178. D. 6034. Gp. 943. 3300. 5/41

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
Tuesday 10th June, 1941
No. 29,055

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

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	998·8	0	ENE	2	rf	55	97	2	-	2	-	10	10	600
	S. Farnborough	226	999·0	0	ENE	2	dodo	56	97	5	5	2	-	9	10	400
	Boscombe Down	417	999·6	-2	N	2	ido	53	97	6	5	-	-	10	10	600
	Thorney Island	10	998·7	-2	NNW	2	zo	55	97	5	5	-	-	10	10	3000
	Lympne	346	999·4	+2	NE'E	2	rr	55	97	5	-	2	-	10	10	400
	Manston	154	998·3	-4	NE	2	roro	54	97	5	6	2	-	2·3	10	1200
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	999·1	-6	NNE	3	iro	55	97	6	5	2	-	4-6	10	4000
	Gorleston	5	1000·7	-16	N'E	3	c	53	97	6	6	-	-	10	10	1500
	Mildenhall	19	1000·6	-2	NNE	4	roro	52	97	6	-	2	-	10	10	300
	Cranwell	240	1004·9	+4	ENE	5	roro	49	97	4	5	-	-	10	10	200
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408														
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1001·0	+8	NNE	2	bc	53	97	7	5	3	-	4-6	4-6	1500
	Bristol	209	1001·1	+6	N	2	dr	54	97	5	6	2	-	7-8	10	700
	Portland Bill	32	999·3	+6	N	2	c	51	92	8	1	4	-	4-6	7-8	4000
	Plymouth	82	1001·0	+6	—	0	bc	49	97	7	5	-	6	1	4-6	2500
	The Lizard	240	1001·5	+8	NW'N	3	cf+	51	97	3	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	1002·1	+8	N'W	2	f+	51	97	3	-	-	-	10	10	<150
	Guernsey	175														
6	Pembroke	142	1002·1	+24	N'E	4	iro	54	97	6	5	-	-	9+	9+	2500
7	Holyhead	26	1004·7	+12	NE	4	zo	52	97	5	-	1	-	0	10	-
	Chester (Sealand)	16	1004·7	+12	N'E	2	o/r	52	92	5	-	2	-	10	10	1100
8	Manchester	70	1004·7	+6	NE	5	zo	51	85	5	5	-	-	7-8	7-8	1500
10	Spurn Head	29	1003·3	+4	NE'N	6	F	50	97	1	-	-	-	10	10	<150
	Catterick	175	1006·4	-2	N	3	zo	47	85	5	5	-	-	10	10	2100
	Tynemouth	108	1007·3	0	NNE	2	o	47	92	7	5	-	-	10	10	800
11	St. Abbs Head	280	1008·4	+4	NNW	4	c	46	85	8	5	2	-	9	10	1500
	Leuchars	36	1008·5	+6	NNW	3	c	48	75	8	5	-	-	9+	9+	2200
12	Renfrew (Abbots I.)	19	1008·8	+14	E	2	m	50	75	4	5	-	-	7-8	7-8	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1005·2	+10	ENE	4	b	50	92	7	-	4	-	0		-
13A	Tiree	22	1008·6	+10	N'E	4	c	49	88	8	5	-	-	9	9	4000
13B	Stornoway	80	1012·9	+12	N	3	bc	43	92	8	5	6	1	1	2·3	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81														
16	Lerwick	156	1009·1	+6	NNW	4	bc	43	92	8	5	3	-	4-6	4-6	1500
17	Blacksod Point	18	1009·4	+6	WSW	4	c	53	85	7	5	-	-	10	10	1500
18	Malin Head	84	1007·4	+4	N	3	bc	49	92	8	2	-	-	2·3	2·3	5700
	Aldergrove	268	1007·2	+8	ENE	1	c	52	92	7	5	-	-	10	10	2800
19	Birr Castle	173														
20	Valentia Obsy.	30	1007·4	+8	WNW	1	zo	54	92	6	5	-	-	9	9	4000
	Roches Point	22	1005·3	+10	N	4	c	56	85	7	5	-	-	9	9	1500

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

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)	1001·7	+14	NNE	4	roro	51	92	6	5	-	-	10	10	1500	1	*
Croydon	1000·9	+18	N	3	roro	51	97	5	6	2	-	9+	10	500	1	*
S. Farnborough	1001·7	+20	NNE	3	roro	51	92	7	6	2	-	9+	10	700	2	*
Boscombe Down	1002·4	+20	NE'N	4	ir	51	97	7	6	-	-	10	10	400	1	*
Thorney Island	1000·4	+16	NE	3	roro	53	92	7	5	7	-	9	9+	1500	1	
Lympne	1000·2	+8	NNE	3	ido	54	97	6	-	2	-	10	10	100	1	§
Manston	999·6	+10	NNE	3	o/d	53	97	5	5	-	-	10	10	200	1	*
Shoeburyness	1000·4	+10	N'E	2	o/r	53	97	6	5	-	-	10	10	450	1	*
Felixstowe	999·5	+4	NNE	3	dd	53	97	4	5	-	-	10	10	300	1	2
Gorleston	1000·4	-2	NNE	5	iro	53	92	6	6	-	-	10	10	400	1	4
Mildenhall	1001·5	+12	N	3	roro	50	97	6	6	2	-	9	10	300	1	*
Cranwell	1005·5	+10	N'E	6	roro	48	92	6	5	2	-	9+	10	500	1	*
Birmingham	1005·1	+14	NNE	3	roro	48	92	5	6	-	-	10	10	450	1	*
Upper Heyford	1003·0	+20	N'E	4	rr	49	97	6	6	2	-	9	10	200	1	*
Ross-on-Wye	1004·5	+16	N	3	roro	51	92	6	6	-	-	10	10	1500	1	*
Hartland Point	1004·2	+22	NNE	3	ir	53	97	6	5	2	-	7-8	9+	2000	1	3
Bristol	1003·6	+20	NNE	3	roro	51	97	5	-	2	-	10	10	500	1	*
Portland Bill	1000·8	+16	NNE	3	c	53	92	8	5	-	-	10	10	2500	1	2
Plymouth	1003·6	+22	N'E	2	c	57	85	7	5	-	-	9+	9+	2000	0	2
The Lizard	1003·1	+10	NNW	4	c	55	97	7	8	6	-	7-8	7-8	2500	1	3
Scilly (St. Mary's)	1004·8	+16	N'E	4	o/f	54	97	6	5	-	-	10	10	1200	1	3
Guernsey																
Pembroke																
Holyhead	1006·8	+18	N	5	zo	50	92	6	5	-	-	9	9	5700	1	3
Chester (Sealand)	1006·3	+12	*	2	zo	51	85	5	5	-	-	9+	10	1400	1	*
Manchester	1006·3	+14	NNE	3	zo	50	85	6	5	-	-	10	10	2600	0	*
Spurn Head	1003·7	+4	NNE	6	ido	48	97	6	8	-	-	10	10	2500	1	4
Catterick	1007·7	+14	N'E	4	ido	47	85	7	5	2	-	7-8	10	600	0	*
Tynemouth	1007·9	+8	N	6	c	47	97	7	6	-	-	10	10	1000	0	4
St. Abbs Head	1009·4	+12	NNE	5	c	45	85	8	5	7	-	7-8	10	1500	0	3
Leuchars	1010·4	+16	NNE	2	c	48	65	8	5	-	-	9	10	3500	0	*
Renfrew (Abbots I.)	1010·4	+14	ENE	2	c	49	65	8	5	-	-	10	10	3000	0	*
Eskdalemuir	1009·1	+14	NE	4	c	46	85	7	5	-	-	10	10	1500	0	*
Point of Ayre	1008·2	+12	NE'E	5	bc	50	85	8	5	-	-	2-3	2-3	3000	0	4
Tiree																
Stornoway	1014·8	+18	NNE	3	c	47	85	8	5	-	-	10	10	2000	0	2
Dalwhinnie	*	+12	NE	3	ido	42	75	7	5	-	-	9+	9+	1500	1	*
Aberdeen																
Wick	1011·6	+10	NNW	4	c/pr	47	75	8	8	7	-	4-6	9	1500	0	2
Lerwick	1010·0	+6	NW'N	4	c	47	75	8	8	5	-	4-6	7-8	1500	0	*
Blacksod Point	1011·3	+14	N	5	c	53	55	7	5	-	-	10	10	1500	0	4
Malin Head	1010·9	+28	NE	5	c	49	85	7	8	-	-	9	9	1500	0	3
Aldergrove	1010·4	+22	NE'N	1	c	49	85	7	5	2	-	9	10	4000	0	*
Birr Castle	1009·6	+22	NNE	1	c	51	92	8	5	1	-	7-8	10	4000	0	*
Valentia Obsy.	1010·2	+18	N'E	2	c	55	85	7	5	-	-	10	10	1500	1	2
Roches Point	1008·1	+18	N'E	4	bc	56	85	7	5	-	-	4-6	4-6	2500	1	4

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 9th Hrs. (36)
London (Kew)	63	50	50	13	13	0·3
Croydon	63	50	50	16	7	0·2
S. Farnborough	59	50	49	13	7	0·0
Boscombe Down	60	50	50	2	4	0·0
Thorney Island	61	53	46	4	1	*
Lympne	61	53	52	5	9	0·0
Manston	62	52	52	0·3	5	*
Shoeburyness	61	52	51	1	6	0·0
Felixstowe	60	53	52	1	4	0·7
Gorleston	57	51	47	—	3	0·0
Mildenhall	68	50	50	1	5	0·7
Cranwell	63	47	47	Tr	2	0·2
Birmingham	59	47	47	*	12	0·0
Upper Heyford		49	50		10	*
Ross-on-Wye	59	50	50	9	7	0·0
Hartland Point	61	52	51	0·3	0·2	2·9
Bristol	65	51	50	2	6	0·6
Portland Bill	55	49	*	0·4	—	*
Plymouth	63	48	*	0·2	—	9·2
The Lizard	57	49	*		Tr	2·0
Scilly (St. Mary's)	61	51	*	—	1	9·4
Guernsey						
Pembroke			*	3		
Holyhead	55	47	47	1	—	0·7
Chester (Sealand)	59	50	49		0·2	0·0
Manchester	60	48		Tr	Tr	
Spurn Head	52	47	*	Tr	Tr	0·0
Catterick	52	45	45	Tr	0·2	0·0
Tynemouth	50	47	46	0·2	—	*
St. Abbs Head	52	45	*	Tr	Tr	*
Leuchars	54	46	48	—	—	0·0
Renfrew (Abbots I.)	61	48	47	—	—	2·8
Eskdalemuir	55	42	41	—	+	0·9
Point of Ayre	57	48	*	—	—	2·4
Tiree			*	—		
Stornoway	53	43	*		—	5·4
Dalwhinnie	50	38	38	—	0·1	0·0
Aberdeen				Tr		
Wick	50	41	*		Tr	*
Lerwick	53	41	*		Tr	4·6
Blacksod Point	60	54	*	Tr	—	*
Malin Head	54	45	*	—	7	8·[illegible]
Aldergrove	62	48	43	—	Tr	4·2
Birr Castle	63	47	43	—	—	1·4
Valentia Obsy.	61	54	46	Tr	Tr	0·8
Roches Point	59	54	*	8	—	*

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	cromoczo	crrmomm	crorodorr	63	50	50	13	13	0·3	*	*	6
Croydon	217	cmorocmo	crrmo ddo	crocmcrr	63	50	50	16	7	0·2	*	*	4
Greenwich (Royal Observatory)	149	cmo	crorr RR	rRcrRirmo	61	49	49	17	17	0·0	91	96	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	63	50	50	28			86	9·1	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	62	50	49	7	26		94	100	*
Camden Square	110	c	c	*	62	50	50	26		*	*	97	*
Kensington	80	cor	cr	*	64	50	48	9	21		92	96	*
Hampstead Observatory	450												

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

	Max.	Time.	Min.	Time.
South Kensington.				
Kew Observatory.	0·3	9-10h 9th	<0·1	0-3h 10h

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

‡ 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.

SECRET

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 11th June 1941

No. 29,056.

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

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)	1005·0	+18	N	3	r	51	92	6	6	2	–	10	10	800
	Croydon	1004·4	+14	N'W	3	r_or_o	50	97	4	6	–	–	10	10	500
	S. Farnborough	1005·3	+16	N	3	dr	51	92	6	5	2	–	9+	10	1100
	Boscombe Down	1007·0	+22	N	3	z_o	52	85	6	5	–	–	10	10	800
	Thorney Island	1004·3	+18	NNE	4	o/r	53	85	7	5	–	–	10	10	800
	Lympne	1003·1	+14	N	5	id_o	54	97	6	6	2	–	9+	10	200
	Manston	1002·2	+14	NNW	3	o/r	53	97	6	5	–	–	10	10	200
2	Shoeburyness	1003·6	+16	N	2	rr	52	97	6	–	2	–	10	10	450
	Felixstowe	1002·1	+10	N	3	ir_o	52	97	7	6	–	–	10	10	600
	Gorleston	1000·8	+12	NNE	5	ir_o	51	55	6	6	–	–	10	10	500
	Mildenhall	1004·7	+16	N'E	5	c	51	92	8	6	2	–	7-8	10	800
	Cranwell	1008·0	+10	NNE	5	c/r	50	92	6	5	2	–	9+	10	900
3	Birmingham	1007·4	+6	NNE	3	c	54	75	6	5	7	–	7-8	9+	1500
	Upper Heyford	*	*	N'E	4	ir_o	*	*	6	5	2	*	9	10	800
4	Ross-on-Wye	1007·4	+12	N	3	z_o	55	75	5	5	–	–	10	10	800
5	Hartland Point	1008·1	+20	NNW	2	bc	57	85	6	1	1	–	1	4-6	2500
	Bristol	1007·6	+18	NE	4	z_o	54	85	5	5	–	–	10	10	1400
	Portland Bill	1005·9	+18	N	3	o	53	92	7	5	–	–	10	10	1500
	Plymouth	1007·4	+14	N'W	3	c	62	68	8	8	3	–	7-8	7-8	2500
	The Lizard	1008·3	+20	NE'E	5	bc	65	75	8	2	6	–	4-6	4-6	1400
	Scilly (St. Mary's)	1009·4	+26	N	4	b	60	85	6	–	–	–	0	0	–
	Guernsey														
6	Pembroke														
7	Holyhead	1008·2	+18	N'E	5	bc	54	85	7	7	–	–	2-3	2-3	3000
	Chester (Sealand)	1008·6	+14	NNE	2	z_o	55	75	5	5	–	–	10	10	2500
8	Manchester	1008·3	+6	N'E	3	z_o	58	58	6	5	–	–	4-6	9	2200
10	Spurn Head	1006·6	+12	N'E	6	ir_o	49	92	6	–	2	–	10	10	1500
	Catterick	1009·7	+12	N'E	4	c	51	65	7	8	1	–	9+	9+	1500
	Tynemouth	1010·5	+10	NNE	6	c	45	85	7	8	3	–	4-6	7-8	3200
11	St. Abbs Head	1012·1	+16	N	3	bc	47	75	9	4	3	–	1	4-6	2500
	Leuchars	1012·2	+8	E	4	bc	54	65	9	8	7	–	4-6	4-6	4000
12	Renfrew (Abbots I.)	1012·2	+2	–	0	c	58	55	9	5	3	–	4-6	9+	2500
	Eskdalemuir	1011·1	+10	NE	5	c	50	55	8	5	–	–	7-8	7-8	2500
	Point of Ayre	1011·5	+14	NE'E	3	c	56	75	8	1	3	–	Tr	7-8	2500
13A	Tiree	1014·5	+4	N'E	4	bc	54	55	9	2	–	–	2-3	2-3	3500
13B	Stornoway	1016·3	+8	N	4	c	53	65	8	1	4	–	4-6	7-8	2500
15	Dalwhinnie	1013·8	+10	NE	3	bc	50	45	8	2	–	–	4-6	4-6	4000
	Aberdeen	1012·6	+10	NNW	4	c	52	65	8	7	–	–	7-8	7-8	2500
	Wick	1013·9	+6	NW'N	3	c	52	65	9	8	6	–	7-8	7-8	2500
16	~~Lerwick~~ Sumburgh	1011·7	+6	NW	4	bc	50	65	8	2	–	–	2-3	2-3	2000
17	Blacksod Point	1013·8	+16	NNE	5	cq	54	85	8	–	7	–	0	10	–
18	Malin Head	1014·5	+12	N'E	5	b	52	65	8	1	–	–	1	1	5700
	Aldergrove	1012·8	+10	NNE	2	c	55	65	6	8	3	–	7-8	7-8	2900
19	Birr Castle	1012·0	+14	NE	1	c	58	75	8	5	1	–	7-8	10	2500
20	Valentia Obsy. †	1012·5	+6	NW'N	4	b	59	75	8	7	–	–	1	1	2900
	Roches Point	1011·4	+14	N	3	bc	64	75	8	2	–	–	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 10th June — PAST 24 HOURS.

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)	Weather 7h.—13h. 10th (37)	Weather 13h.—18h. 10th (38)	Weather 18h. 10th to 1h. 11th (39)	Weather 1h.—7h. 11th (40)
1	London (Kew)	1008·2	+14	N	4	ir_o	51	85	6	6	2	–	7-8	10	800	[illegible]	*	$ir_od_or_or$	$rrorrir_om_o$	cir_om_oc	cbc
	Croydon	1007·5	+14	N'W	4	o/r	50	92	6	5	–	–	10	10	1000	1	*	$cd_od_or_or_om$	$DDir_om_o$	cd_om_oc	c
	S. Farnborough	1008·5	+18	N	3	c/r	52	85	6	5	2	–	9+	10	1300	1	*	r_od_orc	$r_od_or_oc$	cm_oc	cm_obc
	Boscombe Down	1009·6	+18	N	3	z_o	54	75	6	5	7	–	7-8	9+	1200	1	*	$cr_or_om_o$	cm	cm_o	bcm_o
	Thorney Island	1007·5	+16	NNW	3	o	54	85	6	8	–	–	10	10	1600	1		$cr_or_or_oo$	oir_om_o	cmcc.	ocbc
	Lympne	1005·4	+14	NNW	6	d_od_o	50	97	6	6	7	–	7-8	10	200	1	§3	$d_om_om_o$	$cddd_od_om$	$cd_od_omoir_o$	$cr_od_om_oc$
	Manston	1005·0	+18	N'W	5	d_od_o	50	97	6	6	–	–	10	10	200	1	*	id_or_om	$ddr_or_od_od_om$	$d_od_orrr_o$	cir_om_oc
2	Shoeburyness	1006·0	+14	N'W	4	dd	50	97	6	5	–	–	10	10	1500	1	*	$orrm_o$	orrdd	$ddcir_o$	ir_obcc
	Felixstowe	1004·5	+14	N	5	ir_o	51	92	7	5	–	–	10	10	500	1	4	ddmiddd	$driDir_o$	oiroc	cbc
	Gorleston	1004·9	+10	NNE	5	ir_o	51	85	6	6	–	–	10	10	600	1	5		oir_oq	oir_ocq	cq
	Mildenhall	1008·0	+14	N	5	c	50	92	8	6	2	–	7-8	10	600	1	*	omr_or_oirc	$ccir_oc$	$cir_or_or_oc$	cbc
	Cranwell	1010·5	+16	NNE	6	c	51	75	7	5	–	–	10	10	1500	1	*	$cr_or_om_o$	$cmir_oc$	cbc	bcb
3	Birmingham	1009·9	+12	NNE	3	z_o	53	65	6	5	–	–	7-8	7-8	1500	1	*	or_or_orc	cz		
	Upper Heyford	*	*	N	4	z_o	*	*	6	5	2	*	7-8	10	1000	*	*	$cr_or_omcir_o$	cir_omcm_o	cm_oc	cbcpmow
4	Ross-on-Wye	1009·7	+8	N'W	3	z_o	56	75	5	5	–	–	10	10	800	1	*	cd_oom_o	ozcz	czoz	ocb
5	Hartland Point	1010·3	+8	NNW	4	c	54	85	6	5	–	–	9+	9+	2000	0	4	circbc	bcbbc	cbc	bc
	Bristol	1009·7	0	N	2	z_o	58	75	6	5	3	8	2-3	9	2800	1	*	$cr_or_od_od_om_o$	cmm_o	$czom_o$	cm_obw
	Portland Bill	1008·0	+8	N	2	o	52	92	7	5	–	–	10	10	2500	1	3	opr	oc	c	c
	Plymouth	1010·0	+14	NW'N	4	z_o	59	75	7	1	–	–	Tr	Tr	2500			ccirc	cbz_o	bcz_obm_o	bm_obm_ow
	The Lizard	1010·9	+20	NNW	5	b	58	75	8	–	–	–	0	0	–	0	4	cbc	bcb	bcw	bc
	Scilly (St. Mary's)	1012·4	+18	N'E	4	b	56	85	7	–	–	–	0	0	–	0	4	cbcb	b	b	bcbcwc
	Guernsey																				
6	Pembroke	1013·4	+8	N'E	4	bc	55	85	7	–	7	–	2-3	2-3	5700	1	3		bcz_o	bcb	bc
7	Holyhead	1013·4	+10	NNW	4	bc	52	85	8	7	4	–	1	2-3	5700	1	4	bcm_ob	bzcb	m_obw	m_owb
	Chester (Sealand)	1011·3	+16	N'W	3	z_o	55	65	6	5	–	–	10	10	3000	1	*	cm_oz_o	cz_o	c_1bz_ow	bz_owxb
8	Manchester	1011·4	+18	NNE	3	z_o	53	65	6	5	–	–	7-8	10	2500	0	*	cm_owz	ycz_o	$cbcbz_om_o$	
10	Spurn Head	1009·0	+16	N	6	c	50	85	7	8	7	–	2-3	9+	2500	0	5	oir_o	c	bc	bc
	Catterick	1012·3	+10	NE'N	4	c	46	65	8	8	–	–	7-8	7-8	1300	0		cid_om_oc	cbbc	cbcbw	bwbcc
	Tynemouth	1012·8	+12	NNE	6	bc	49	85	7	2	3	–	2-3	4-6	3400	0	4	obcc	cbc	bc	bc
11	St. Abbs Head	1013·3	+4	N	3	b	47	97	9	4	4	–	Tr	1	2500			bc	bc	bcb	
	Leuchars	1013·0	+6	ESE	4	bc	51	65	8	8	–	–	4-6	4-6	4000	0	*	cbcycbc	bc	bcb	bbc
12	Renfrew (Abbots I.)	1013·1	+6	SE	1	bc	59	55	9	8	3	–	4-6	4-6	3500	0	*	ccy	pr_o cbc	bcczbcz	$bccbcz_o$
	Eskdalemuir	1012·9	+12	NE'E	3	bc	52	65	8	7	–	–	2-3	2-3	2500	0	*	c	cbcy	bcvb	bcc
	Point of Ayre	1013·0	+8	ENE	1	c	54	75	8	7	–	–	9	9	4000	0	3	bcc	c	cbc	
13A	Tiree	1015·8	+4	N'W	4	b	52	65	9	1	–	–	Tr	Tr	4000	0	5	bc	b	bc	bc
13B	Stornoway	1017·4	+6	N	4	c	48	65	8	5	4	–	7-8	7-8	2000	0	2	bcc	c	cpr_obc *	$bcpr_obbc$
15	Dalwhinnie	1014·5	+8	NE	3	c	50	45	8	8	6	–	4-6	7-8	2500	0	*	id_ocy	cy		c
	Aberdeen	1013·8	+6	N'W	3	bc	53	55	8	8	–	–	2-3	2-3	3500	1	3	cpr_oc	bcy	bcyb	$bbcpr_o$
	Wick	1014·9	+6	NNW	3	bc	48	75	9	2	6	1	4-6	4-6	2000	0	*	c	cbcv	*	*
16	~~Lerwick~~ Sumburgh	1012·5	+6	NW	3	bc	49	63	8	2	–	–	2-3	2-3	2500	*	*	*	*	*	*
17	Blacksod Point	1015·3	+8	NE	6	bc	54	75	8	–	4	–	0	2-3	–	0	5	cq	bc	bc	bc
18	Malin Head	1015·5	+4	N	4	bc	58	75	8	1	–	–	2-3	2-3	–	0	2	bcvbc	bc	bc	bc
	Aldergrove	1014·2	+6	N	1	bc	56	55	8	7	–	–	4-6	4-6	3000	0	*	ct	cz_obcy	bcybfq	bfq xb
19	Birr Castle	1013·7	+6	ENE	1	c	58	75	8	5	1	–	7-8	10	4000	0	*	c	c	c	cid_oc
20	Valentia Obsy. †	1013·6	+2	N'W	3	b	58	75	8	7	–	–	Tr	Tr	2500	0	4	cbcb	b	bbccw	cwoc
	Roches Point	1013·4	+14	S	2	c	59	85	7	5	–	–	7-9	7-8	2500	1	3	cbc	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.

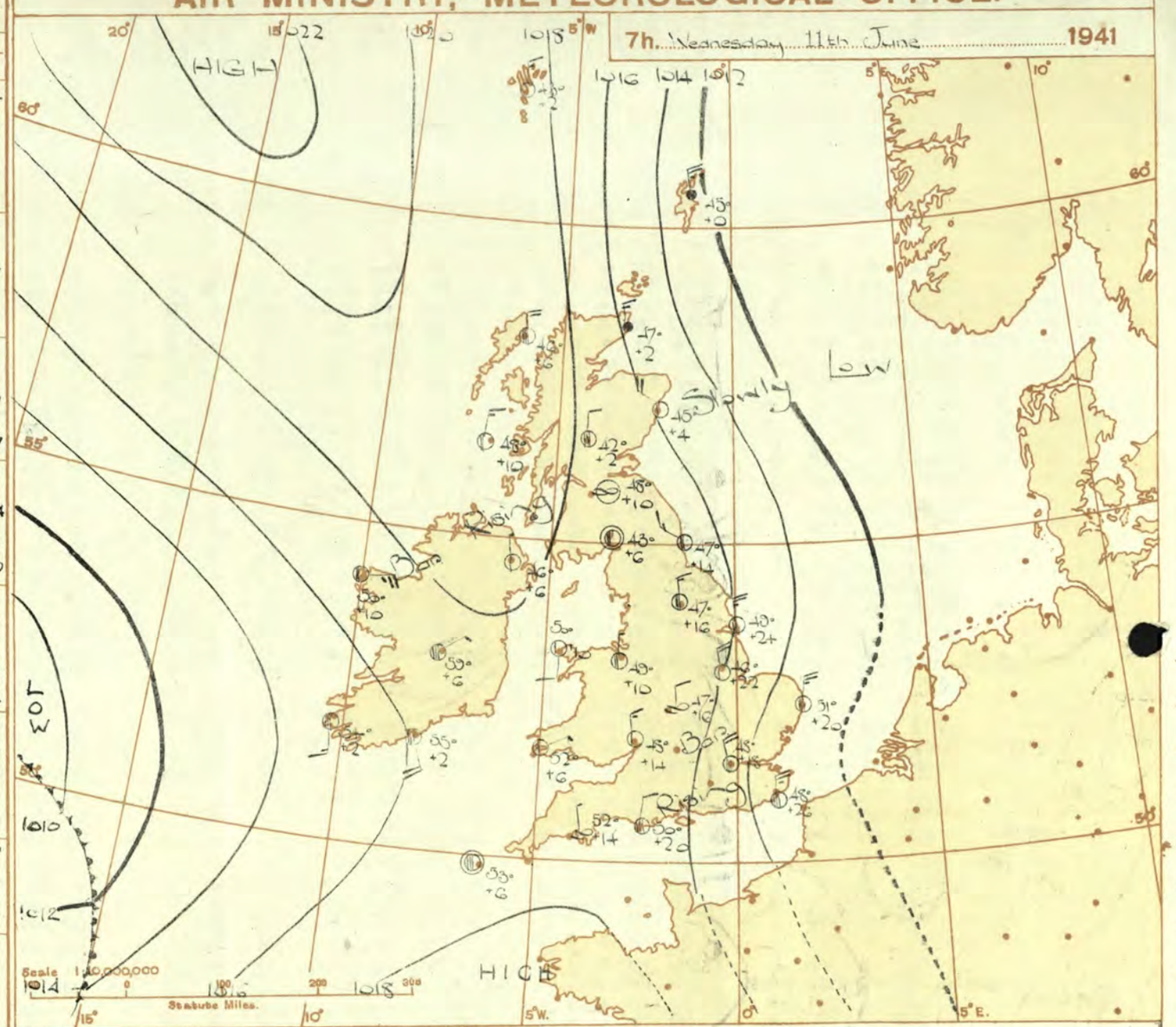
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

AIR MINISTRY, METEOROLOGICAL OFFICE.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 10th June			18h. G.M.T.			01h. G.M.T. 11th June			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	01954	31414	80	01954	30514	9-	25844	28384	86	02854	28584
115 84	02054	28325	74	02954	28325	87	81844	28385	87	81844	32385
203						5-	02946	32416	8-	01844	32584
206 8-	81964	32285	8-	01964	30284	50	01953	30213	84	02975	31225
210 86	01963	28314	70	01963	01413	80	01955	16345	80	01954	25314
220									10	01953	02403
230 10	01963	02313	40	01963	28413	04	00950	27301	20	00951	32201
248 80	02965	35325	76	00963	34413	40	00961	22211	20	01954	01304
260 70	01656	04314	80	01864	04314	5-	02875	00015			
277											
279 5-	02867	05527	70	01963	03413				5-	02865	04125
285 23	02745	08527							5-	02857	30327
288 8-	05647	3+457	8-	02746	65526	00	45350	28240	80	05554	32346
273											
301 5-	02768	845-8	5-	02768	* * *	00	00790	04110	53	05664	322*7
321 5-	02848	32528	5-	02757	65488	50	01752	32412	10	05653	31403
299			5-	02747	30727	50	00741	30611			
292 5-	02858	32558	5-	02857	32527	00	05650	29310	73	01763	32404
310	01635	04515							--	01642	04512
316 5-	05648	32468	5-	21635	65458	50	01654	32324	00	05690	32200
333 7-	02756	32426	13	01753	0*314	00	00850	30310	00	05550	00001
334									--	04490	12202
340 53	05655	32467	5-	05658	02328	00	05650	02100	00	05690	30102
136 6-	64628	65568	5-	61628	32668	5-	02757	32567	50	02955	30515
336 52	05-43	32328	52	02753	02328				54	01761	04312
350 62	61635	32468	52	25635	32468	5-	05658	32328	50	05635	32315
368 53	05644	04367							5-	05661	02201
379 62	22536	32468	53	05645	32428	00	05650	30300	10	01743	32303
390 5-	52528	63668	5-	22638	64668	52	05647	30468	5-	02754	29314
382 62	05645	32328	5-	05648	32428	42	02755	31427	54	05655	30315
438									50	01745	024**
430 57	05645	32428	5-	22638	32468	5-	05646	32316	50	00853	32413
409 5-	05537	01427	5-	05735	30415	00	05790	31210	5-	05645	29216

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. Wednesday 11th June, 1941.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Moderate northerly winds, fresh locally on the east coast at first, falling light. Mainly fair but some showers near the East coast in the afternoon. Warmer by day although still cool; slight ground frost locally at night.
5 S.W. England 6 South Wales ...	Winds becoming S. to S.W. light to moderate; fine today; cloud increasing tonight with rain spreading from west by tomorrow. Milder generally.
7 North Wales ... 8 N.W. England	As 12 ~ 13B.
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.	Light northerly to variable winds; fine; day temperature still rather below average for the season; some ground frost at night.
14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Light to moderate northerly winds; bright periods; a few local showers especially near the coast; cool.
17 N. W. Ireland 18 N. E. Ireland	Light E. to N.E. wind; fair, but cloud increasing; rather cool.
19 S. E. Ireland 20 S. W. Ireland	Wind S. backing SE. moderate or fresh; becoming overcast with occasional rain spreading from west; becoming milder.

GENERAL INFERENCE.

Pressure remains high South of Iceland, and from the Azores to Spain. A ridge of high pressure over our western districts will move east and a trough of low pressure associated with a depression centred about 600 miles west of Ireland will spread slowly in, over S.W. districts. Weather will be fair in many areas today although some showers are likely near the east coast. Rain will reach the extreme S.W. districts during the night and spread slowly east.

FURTHER OUTLOOK.

Fair in the Northwest; some further rain in the southern half of the country.

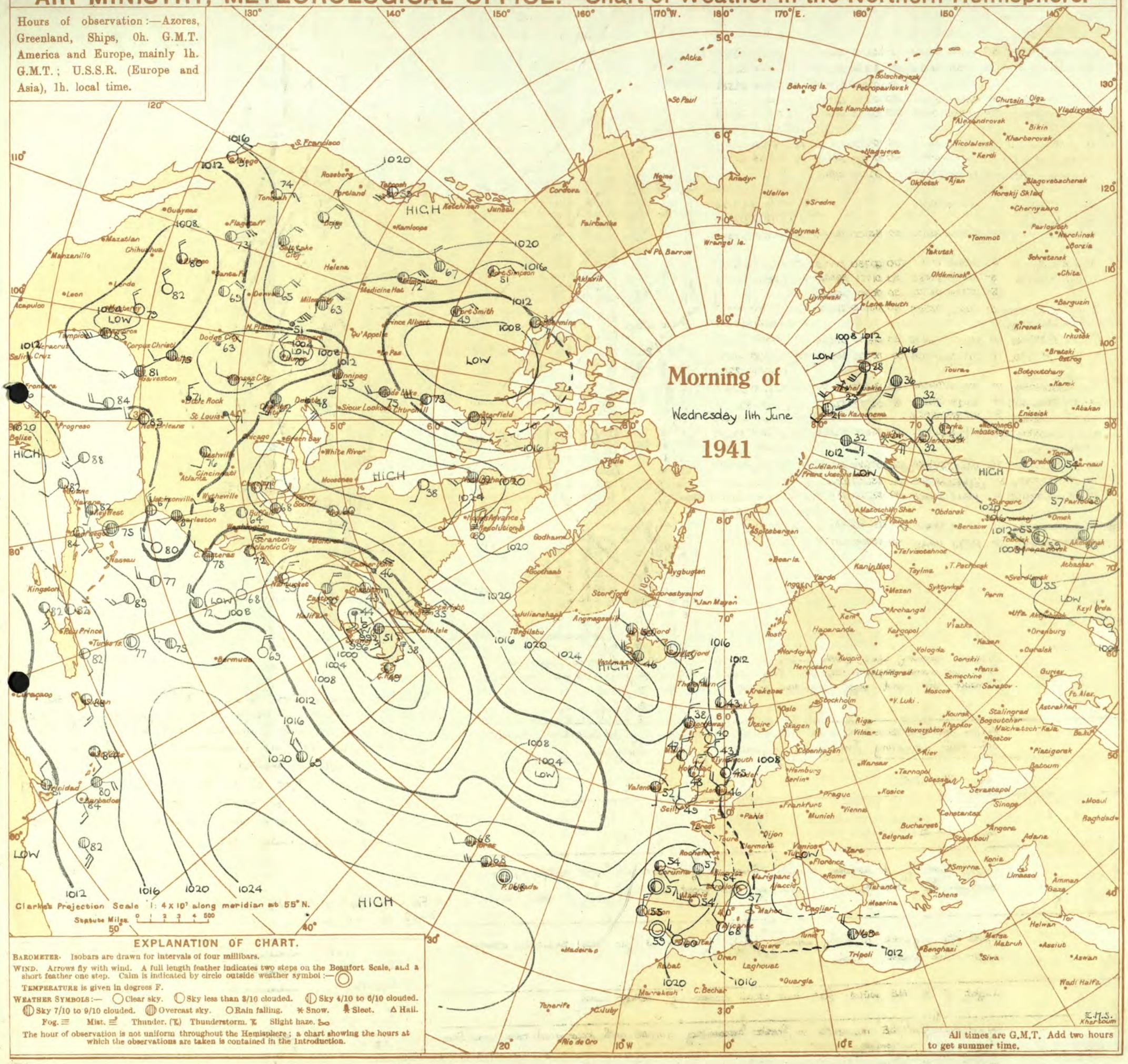
Warm front
Cold front
Occlusion

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

Forecasts issued at 10.30. G.M.T.

H.M.S.O. Press, Cornwall House, S.E.1. G.266.We.8176.D.6034.Gp.948.9300.5/41

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
Wednesday 11th June, 1941
No. 29,056

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

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	1012·6	+20	NW	4	c	46	85	7	5	-	-	4-6	7-8	2000
	S. Farnborough	226	1013·0	+18	N	2	zo	49	75	6	5	-	-	9+	9+	2600
	Boscombe Down	417	1014·1	+14	N'W	3	zo	48	85	6	5	-	-	10	10	2000
	Thorney Island	10	1012·7	+18	N	3	c	50	85	7	5	-	-	9+	9+	2300
	Lympne	346	1009·8	+18	N	5	iro	47	92	6	6	2	-	9	10	200
	Manston	154	1009·4	+12	NNW	5	roro	48	92	6	5	2	-	9	10	1300
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1009·4	+14	N	5	c	49	85	7	5	-	-	10	10	1600
	Gorleston	5	1009·2	+16	N'E	5	cq	50	85	6	5	-	-	10	10	1500
	Mildenhall	19	1011·7	+14	N	4	c	48	75	7	5	-	-	10	10	2200
	Cranwell	240	1014·0	+12	N'E	4	bc	45	75	7	5	-	-	4-6	4-6	2000
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	N'E	4	c	*	*	7	5	-	-	10	10	2700
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1014·6	+16	N	4	bc	50	92	7	1	-	-	2-3	2-3	2500
	Bristol	209	1014·5	+16	NNE	2	zo	50	85	5	5	-	-	10	10	2200
	Portland Bill	32	1013·0	+20	N	2	c	50	92	7	5	-	-	10	10	2500
	Plymouth	82	1014·7	+18	NNE	2	zo	52	85	6	-	-	1	0	2-3	-
	The Lizard	240	1014·6	+20	N	1	bc	47	97	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1016·0	+10	N	2	b	49	92	7	-	-	-	0	0	-
	Guernsey	175														
6	Pembroke	142	1015·7	+10	N'E	3	b	47	92	7	-	-	-	0	0	-
7	Holyhead	26	1015·7	+10	NNE	3	zo	50	92	6	5	-	-	Tr	Tr	5700
	Chester (Sealand)	16	1016·0	+18	-	0	zo	40	85	6	-	-	-	0	0	-
8	Manchester	70	1015·6	+12	N'W	1	zo	37	92	6	-	-	-	0	0	-
10	Spurn Head	29	1012·7	+10	N	5	bc	45	92	7	1	-	-	2-3	2-3	5700
	Catterick	175	1015·4	+10	NW	2	b	41	75	7	-	-	-	0	0	-
	Tynemouth	108	1015·4	+10	NNE	3	b	43	75	6	2	-	-	1	1	4000
11	St. Abbs Head	280	1015·3	+6	NNW	2	b	45	85	8	4	-	-	Tr	Tr	2500
	Leuchars	36	1015·7	+6	NW	2	b	39	92	7	4	-	-	1	1	4000
12	Renfrew (Abbots I.)	19	1015·9	+10	E'N	2	m	47	75	4	5	3	-	4-6	4-6	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1016·0	+8	ESE	2	bc	48	85	8	5	3	-	4-6	4-6	4000
13A	Tiree	22	1016·6	+4	N*	3	b*	46	85	9	5	3	-	Tr	1*	3500
13B	Stornoway	80	1019·2	+6	N	3	bc	38	97	8	5	4	-	2-3	2-3	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	119	1016·2	+6	NW	2	bc	39	92	8	2	6	-	2-3	2-3	1800
16	Sumburgh	30	1013·5	0	NNW	4	bc	43	85	8	3	-	1	4-6	4-6	1200
17	Blacksod Point	18	1017·4	+2	NE	5	bc	49	85	8	-	4	-	0	2-3	-
18	Malin Head	84	1017·6	+2	N	3	bc	47	75	8	4	-	-	2-3	2-3	5700
	Aldergrove	268	1017·1	+8	-	0	fg	39	92	8	-	-	-	0	0	-
19	Birr Castle	173	1015·7	+10	ENE	1	c	53	92	8	5	1	-	7-8	10	2500
20	Valentia Obsy.	30	1014·9	-2	S	1	c	52	92	8	5	-	-	9+	9+	2500
	Roches Point	22	1016·0	+8	SSE	2	c	55	75	8	5	-	-	9	9	1500

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

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)	1016·2	+22	N'W	3	c	48	75	7	8	-	-	7-8	7-8	1500	1	*
Croydon	1015·5	+18	NNW	4	c	48	75	7	5	-	-	7-8	7-8	1800	1	*
S. Farnborough	1016·4	+22	N'W	3	bc	48	65	8	1	-	-	4-6	4-6	2500	1	*
Boscombe Down	1016·8	+14	N	3	bc	48	75	7	1	-	1	2-3	2-3	2000	1	*
Thorney Island	1015·9	+16	N	3	bc	49	65	8	5	-	-	2-3	2-3	4400	1	
Lympne	1014·2	+26	NNW	5	c	48	75	8	5	-	-	7-8	7-8	1200	1	§2
Manston	1013·9	+30	N'W	4	c	48	75	8	5	-	-	9	9	1400	1	*
Shoeburyness	1014·8	+18	N'W	3	c	49	75	7	7	-	-	7-8	7-8	1500	1	*
Felixstowe	1013·1	+20	NNW	5	bc	48	75	8	1	-	-	2-3	2-3	2500	1	4
Gorleston	1013·5	+20	NNE	5	c	51	65	7	2	-	-	7-8	7-8	2500	1	4
Mildenhall	1015·1	+22	NW'N	4	bc	45	85	8	5	-	-	4-6	4-6	2500	1	*
Cranwell	1016·8	+22	NNW	4	b	46	85	7	1	-	-	1	1	2000	1	*
Birmingham	1017·4	+16	N	2	zo	47	65	5	-	-	1	0	Tr	-	1	*
Upper Heyford	*	*	NNW	4	zo	*	*	6	5	-	-	4-6	4-6	1200	*	*
Ross-on-Wye	1017·2	+14	NNW	3	b	48	75	7	-	-	1	0	Tr	-	1	*
Hartland Point	1016·2	+8	NE	2	bc	53	85	6	1	-	-	2-3	2-3	1500	0	3
Bristol	1017·5	+16	NE'N	3	b	48	75	7	-	-	1	0	Tr	-	1	*
Portland Bill	1016·4	+20	NNE	2	c	50	92	8	4	4	-	7-8	10	4000	1	3
Plymouth	1017·3	+14	NNW	1	zo	52	85	6	-	-	-	0	0	-	0	1
The Lizard	1017·2	+16	NW	3	bc	52	92	8	4	-	-	2-3	2-3	3000	0	2
Scilly (St. Mary's)	1016·7	+6	-	0	c	53	85	8	5	-	-	9+	9+	1800	0	2
Guernsey																
Pembroke	1017·3	+6	NE'E	1	bc	52	65	7	-	7	1	0	4-6	-	1	3
Holyhead	1017·1	+10	S	2	b	50	85	7	-	-	1	0	Tr	-	1	1
Chester (Sealand)	1017·4	+10	N	1	bc	49	55	7	-	3	1	0	2-3	-	0	*
Manchester	1017·6	+14	W	1	m	45	85	4	5	-	-	9	9	6000	1	*
Spurn Head	1015·2	+24	N'W	5	bc	49	65	7	2	-	-	2-3	2-3	4000	0	4
Catterick	1017·2	+16	N	3	c	47	65	8	5	3	-	7-8	9	2300	0	*
Tynemouth	1016·6	+14	NW	3	bc	47	75	6	2	3	-	2-3	4-6	3600	0	3
St. Abbs Head																
Leuchars	1016·7	+8	NW	3	bc	47	65	8	5	3	-	2-3	2-3	4500	0	*
Renfrew (Abbots I.)	1017·0	+10	-	0	zo	48	75	7	5	3	-	2-3	4-6	3000	0	*
Eskdalemuir	1017·2	+6	-	0	c	43	85	8	5	-	-	9	9	2500	0	*
Point of Ayre	1016·3	+4	W'N	3	b	52	92	8	1	-	-	1	1	2000	0	2
Tiree	1018·7	+10	NNE	3	bc	48	75	9	2	-	-	4-6	4-6	3500	0	4
Stornoway	1019·9	+6	N	4	c	46	75	8	2	4	-	2-3	9+	2500	0	2
Dalwhinnie		+2	N	2	c	42	75	8	8	-	-	7-8	7-8	1500	0	*
Aberdeen	1015·7	+4	NW'N	4	bjp	45	85	8	2	-	-	1	1	1800	1	3
Wick	1016·2	+2	NNW	3	pr	47	75	9	2	6	-	7-8	7-8	1800	1	*
Sumburgh	1013·1	0	NNW	5	pr	45	75	8	2	4	-	9	9	1100	*	*
Blacksod Point	1017·8	+6	ENE	5	bc	50	85	8	2	-	9	1	4-6	2300	0	4
Malin Head	1018·1	+6	N'E	3	bc	48	75	8	1	-	-	2-3	2-3	5700	0	2
Aldergrove	1018·3	+6	NNW	1	b	46	85	8	2	4	-	Tr	1	4000	0	*
Birr Castle	1016·4	+6	NE	1	c	59	85	8	5	1	-	7-8	10	2500	0	*
Valentia Obsy.	1015·2	+2	S'E	3	c	54	85	8	2	7	6	2-3	9+	1500	0	1
Roches Point	1016·0	+2	SE'S	4	c	55	85	8	5	7	-	4-6	9+	1500	1	4

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 10th Hrs. (36)
London (Kew)	51	47	41	5	Tr	0·0
Croydon	51	45	44	9	Tr	0·0
S. Farnborough	52	46	44	2	—	0·0
Boscombe Down	54	41	36	3	Tr	0·0
Thorney Island	54	47	41	0·1	Tr	*
Lympne	55	46	45	0·1	0·3	0·0
Manston	54	47		3	5	
Shoeburyness	53	46	43	7	Tr	0·0
Felixstowe	53	47	45	9	0·1	0·0
Gorleston	(51)	43	36	2	Tr	*
Mildenhall	51	43	43	1	0·1	0·0
Cranwell	51	39	37	1	-	0·0
Birmingham	56	39	33	*	-	1·5
Upper Heyford	*	*	*	*	*	*
Ross-on-Wye	57	42	35	0·1	-	0·0
Hartland Point	58	49	45	Tr	-	7·0
Bristol	58	43	34	1	-	0·5
Portland Bill	54	49	*	2	-	*
Plymouth	66	47	41	*	-	5·7
The Lizard	65	45	*	-	-	9·4
Scilly (St. Mary's)	61	49	*	-	-	11·5
Guernsey						
Pembroke	57	46	*	-	-	10·6
Holyhead	54	43	36	-	-	10·2
Chester (Sealand)	56	33	30	-	-	9·3
Manchester	59	30	24	-	-	9·1
Spurn Head	51	43	*	0·5	-	0·5
Catterick	52	38	33	Tr	-	0·9
Tynemouth	50	40	38	-	-	*
St. Abbs Head			*			*
Leuchars	58	37	33	-	-	6·5
Renfrew (Abbots I.)	61	41	34	Tr	-	2·2
Eskdalemuir	55	36	30	-	-	8·4
Point of Ayre				-	-	
Tiree	55	45	*	-	-	12·0
Stornoway	54	37	*	-	Tr	8·2
Dalwhinnie	54	24	14	0·1	-	5·1
Aberdeen	55	39	34	Tr	Tr	*
Wick	54	38	35	*	*	*
Sumburgh	*	*	*	*	*	*
Blacksod Point	55	46	*	-	-	*
Malin Head	53	41	*	-	-	11·7
Aldergrove	58	37	27	-	-	3·4
Birr Castle	61	48	47	-	Tr	0·9
Valentia Obsy.	59	51	47	-	Tr	9·7
Roches Point	65	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.	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	irodoro6	rrcrrirmo	ciromobc	51	47	41	5	Tr	0·0	*	*	7
Croydon	217	cdodorom	DDiromo	cdomoc	51	45	44	9	Tr	0·0	*	*	7
Greenwich (Royal Observatory)	149												
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	55	47	44	3			91	66	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*									*
Camden Square	110	c	c	*	52	46	42	3		*	*	61	*
Kensington	80	or	cr	•	54	47	41	5	0·1		97	62	*
Hampstead Observatory	450												*

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.
0·1	9-19h 10th	<0·1	0-4h 11th

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.

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

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

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

Replacement copy DUPLICATE
12 APR 1961

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 12th June 1941

No. 29,057.

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

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)	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)	1018·1	+12	N'E	4	c	57	45	8	8	-	4	7-8	7-8	2500
	Croydon	1017·6	+14	NNE	3	c	58	55	8	1	-	1	7-8	7-8	3000
	S. Farnborough	1017·7	+6	NE'N	3	bc	60	46	8	1	-	1	4-6	4-6	4000
	Boscombe Down	1018·0	0	ENE	2	bc	57	55	8	1	-	2	2·3	4-6	3000
	Thorney Island	1017·3	+4	NE'N	2	bc	61	45	8	1	-	1	2-3	2-3	4000
	Lympne	1017·8	+18	N'W	3	c	58	65	8	1	-	1	7-8	7-8	3500
	Manston	1017·5	+18	N'E	2	bc	55	68	9	1	4	1	2-3	4-6	2500
2	Shoeburyness														
	Felixstowe	1016·7	+18	NNW	4	c	57	55	8	1	-	-	7-8	7-8	3000
	Gorleston	1016·9	+20	N	4	bc	52	65	7	1	-	-	4-6	4-6	2000
	Mildenhall	1017·2	+8	N'W	4	bc	57	55	9	1	-	-	4-6	4-6	3000
	Cranwell	1018·0	+8	N'E	4	c	58	55	7	2	-	-	9	9	3000
3	Birmingham	1017·4	+2	NNW	1	c	59	35	7	8	-	-	7-8	7-8	2500
	Upper Heyford	*	*	NNW	2	c	*	*	7	2	-	*	7-8	7-8	3000
4	Ross-on-Wye	1017·8	+4	N	2	bc	59	45	8	1	-	1	2-3	4-6	4000
5	Hartland Point	1017·8	+4	NNE	1	c	55	75	7	-	7	-	0	9+	—
	Bristol	1018·3	+2	SE	1	bc	60	55	8	1	-	2	4-6	4-6	4000
	Portland Bill	1018·0	+12	SW	2	bc	53	85	8	5	-	-	4-6	4-6	4000
	Plymouth	1018·7	+2	S'E	3	z₀	59	75	7	1	-	-	Tr	Tr	3000
	The Lizard	1018·3	+10	SSE	2	c	56	85	7	5	-	-	10	10	1500
	Scilly (St. Mary's)	1017·3	0	SE	2	c	56	85	8	5	7	-	10	10	1800
	Guernsey														
6	Pembroke	1018·2	+2	S'E	2	c	53	85	6	8	2	-	7-8	10	2500
7	Holyhead	1018·1	+6	NW	2	bc	55	85	8	2	-	4	Tr	2-3	3000
	Chester (Sealand)	1017·7	0	NW'W	4	bc	60	45	8	2	-	-	2-3	2-3	3000
8	Manchester	1017·6	-2	W	3	c	58	55	8	8	-	-	7-8	7-8	3000
10	Spurn Head	1017·2	+6	NNE	5	bc	54	55	7	7	6	-	2-3	4-6	4000
	Catterick	1017·2	-2	NE	2	c/pr	53	55	7	8	-	-	10	10	2800
	Tynemouth	1018·1	+8	N	3	bc	48	65	8	2	3	-	4-6	4-6	2800
11	St. Abbs Head														
	Leuchars	1016·4	-2	NNW	2	c	56	35	9	8	7	-	7-8	7-8	5500
12	Renfrew (Abbots I.)	1016·8	-4	N'E	1	c	61	45	9	2	-	-	7-8	7-8	3500
	Eskdalemuir	1016·5	0	E'N	2	c	52	55	8	5	-	-	9	9	2500
	Point of Ayre	1017·6	+2	WNW	3	b	58	65	8	1	-	-	1	1	5000
13A	Tiree	1018·6	0	N'E	3	b	55	55	9	1	-	-	1	1	3500
13B	Stornoway	1020·5	+2	NNW	4	c	51	75	8	2	6	-	2-3	7-8	2000
15	Dalwhinnie		+2	NNW	2	bc	52	45	8	8	-	-	4-6	4-6	2500
	Aberdeen	1016·3	-2	NNW	5	c/pr	54	55	8	8	-	-	7-8	7-8	2200
	Wick	1016·8	+2	NW	5	pr	48	75	9	3	6	3	7-8	7-8	1800
16	Sumburgh														
17	Blacksod Point	1017·3	-4	ENE	5	c	58	65	8	-	6	-	0	7-8	—
18	Malin Head	1019·3	+2	N	3	bc	51	75	8	1	-	-	2-3	2-3	5700
	Aldergrove	1018·0	-2	NW	2	bc	57	45	9	1	4	-	2-3	2-3	3000
19	Birr Castle	1017·2	0	SW	1	c	58	65	8	5	1	-	7-8	10	2500
20	Valentia Obsy. †	1015·2	-6	S	3	c	59	75	8	5	1	-	4-6	10	2500
	Roches Point	1016·6	+2	SE	4	c/r	53	85	8	6	2	-	7-8	9+	1500

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

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)	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)	1018·1	+4	ESE	2	z₀	58	55	6	8	-	6	4·6	7·8	2500	1	•
Croydon	1018·2	+4	E	1	c	56	55	7	4	-	6	7·8	10	2800	1	•
S. Farnborough	1018·0	+2	E'S	1	c	59	45	8	4	-	7	1	10	4500	1	•
Boscombe Down	1017·8	+2	ENE	2	z₀	59	45	7	5	-	7	2·3	10	3000	0	•
Thorney Island																
Lympne	1019·3	+8	SSE	2	c	52	75	8	1	-	6	1	9	2500		§
Manston	1019·1	+14	ESE	1	c	52	75	8	4	3	6	Tr	9	3000	0	•
Shoeburyness	1019·1	+6	SE'E	2	c	54	75	8	2	1	3	Tr	10	4000	1	•
Felixstowe	1018·6	+12	E'S	3	bc	53	75	8	1	-	5	Tr	2·3	3500	1	2
Gorleston	1018·9	+4	NE'N	2	b	53	65	7	1	-	1	Tr	Tr	2500	0	3
Mildenhall	1018·3	+6	NE'N	2	c	56	55	9	1	7	4	Tr	7·8	3000	0	•
Cranwell	1018·1	+2	SSE	4	c	54	65	8	2	3	1	2·3	7·8	3500	0	•
Birmingham	1017·1	-2	—	0	c	59	35	7	8	-	-	4-6	7·8	2500	1	•
Upper Heyford	*	*	N'E	1	c	*	*	7	4	1	*	7·8	10	3500	*	•
Ross-on-Wye	1017·3	0	ESE	2	c	61	45	8	7	-	7	1	9+	4000	1	•
Hartland Point	1017·5	+4	W	2	rr	51	92	6	5	2	-	9	10	800	1	2
Bristol	1017·8	+2	SE	1	c	60	45	8	7	1	8	1	10	5700	1	•
Portland Bill	1018·0	+6	SW	2	c	52	85	8	5	-	·	10	10	4000	1	3
Plymouth	1018·7	+2	SSE	1	r₀r₀	51	92	6	-	2	-	10	10	6000	1	2
The Lizard	1016·4	-8	E'S	2	rr	51	92	6	5	-	-	10	10	1000	1	2
Scilly (St. Mary's)	1016·5	-14	ESE	3	ir₀	53	97	6	5	-	-	10	10	1500	1	2
Guernsey																
Pembroke	1018·2	+4	NE	2	rr	49	85	6	5	-	-	10	10	2500	1	3
Holyhead	1017·8	-14	NNW	2	b	54		8				Tr	1	3500		
Chester (Sealand)	1017·4	-4	NW	2	b	57	55	8	4	-	1	1	1	3500	0	•
Manchester	1017·5	+2	WNW	3	bc	57	55	8	7	3	1	2·3	4·6	4500	0	•
Spurn Head	1017·5	+2	NE	3	bc	50	75	7	7	6	-	2·3	4·6	4000	0	3
Catterick	1017·2	0	NE	2	z₀	54	65	6	8	3	-	4·6	4·6	2500	0	
Tynemouth	1018·1	+6	SE	2	bc	50	75	8	2	-	-	2·3	2·3	2800	0	3
St. Abbs Head	1017·0	0	SE	1	c	49	55	9	4	5	-	4·6	7·8	2500	0	2
Leuchars	1016·5	+2	ESE	3	cjp	52	65	8	8	-	-	9+	9+	4000	0	•
Renfrew (Abbots I.)	1016·3	-2	W	2	c	62	45	9	7	3	-	4·6	7·8	6000	0	•
Eskdalemuir	1016·3	+2	SSW	3	c	52	65	8	7	-	-	9	9	2500	0	•
Point of Ayre	1017·5	0	WNW	3	b	56	75	8	5	-	-	Tr	Tr	5000	0	2
Tiree	1018·5	0	N	4	b	52	65	9	1	-	-	Tr	Tr	3500	0	4
Stornoway	1020·6	-8	NNW	4	c	49	75	8	2	6	-	2·3	9	2200	0	3
Dalwhinnie	1017·9	0	NNE	2	c	51	35	8	8	-	-	7·8	7·8	2500	0	•
Aberdeen	1016·8	+6	N'W	4	bc	51	65	8	7	-	9	4·6	4·6	2100	0	3
Wick	1017·1	-2	NNW	4	c	47	75	9	2	6	3	4·6	7·8	2500	0	*
Sumburgh	1013·5	+2	NW	6	c/pr	47	75	8	8	6	5	4·6	7·8	1600	*	•
Blacksod Point	1017·4	+4	ENE	6	bc	56	75	8	-	4	-	0	2·3	-	0	5
Malin Head	1019·3	0	N	2	bc	54	75	8	1	-	-	4·6	4·6	5700	0	2
Aldergrove	1017·9	+2	NW	3	bc	58	45	9	1	-	-	2·3	2·3	4000	0	•
Birr Castle	1016·9	0	SW	1	c	54	85	8	5	1	-	7·8	10	4000	0	•
Valentia Obsy. †	1014·8	-2	NW'W	2	c	56	85	8	5	-	-	9+	9+	2500	0	2
Roches Point	1015·9	-6	SE	4	r₀r₀	52	92	8	6	2	-	7·8	9+	1600	1	4

PAST 24 HOURS.

Stations	Weather 7h.–13h. 11th (37)	Weather 13h.–18h. 11th (38)	Weather 18h. 11th to 1h. 12th (39)	Weather 1h.–7h. 12th (40)
London (Kew)	bccy	cbcyz₀	obczw	czw
Croydon	c,bbcy	bcycy	cymc⦶	cwz
S. Farnborough	bcbybc	bccy ⊕	cem	cm c
Boscombe Down	bcwbcy	bcycyz₀	cy,c	
Thorney Island	bcbby		com	
Lympne	cbcc	cbcc	c⦶cbcc	c
Manston	bc	bcc	c	c
Shoeburyness		cvc		
Felixstowe	bcvy	bcyy	bcvc	c
Gorleston	cqbc	bcy	bcc	c
Mildenhall	bcbcy	ybccbc	c	cm bccw
Cranwell	bbccy	cybc	bc	bc
Birmingham	bbc	bcy	xc	bocf
Upper Heyford	*		cyc	c
Ross-on-Wye	bbcy	bcycy	cybcc	c
Hartland Point	bcc	bccrr	crrc	crr
Bristol	bwbcy	bcycy	cy,c	cigmdd
Portland Bill	cbc	c	co	oc
Plymouth	bm₀cm₀bc	bzcr₀r₀m₀	crr₀r₀m	crr₀r₀m
The Lizard	c	or₀rr	rr	r₀r₀c
Scilly (St. Mary's)	c	crrr₀	cr₀r₀	cr₀id₀c
Guernsey				
Pembroke	bccmo	crrom₀	crrm	cprm
Holyhead	wbcb	bbcz	wb	wb
Chester (Sealand)	cbcy	bcbcy	bcwc	bcbm₀
Manchester	cmz₀	cy bcy	bwmbcm	cmfgbm
Spurn Head	b	c	bc	cbb
Catterick		cyir₀cz₀	cz bcm	bcbm₀
Tynemouth	bc	bc	bcc	cm₀
St. Abbs Head		bccy	cir₀	cbc
Leuchars	bcqy	cycjp	pr₀tlrc	bc
Renfrew (Abbots I.)	bccbc	bc	bcbbc	b
Eskdalemuir	c	cbcyc	cpr₀bcb	b
Point of Ayre	b	b	bbw	
Tiree	bcb	b	b	bcc
Stornoway	bccpr₀	c	c	cpr₀rrtbc
Dalwhinnie	cpr₀	bccy		bc
Aberdeen	pr₀bcy	bcy bc	cyir₀	bcpr₀
Wick		pr	pr	brrc
Sumburgh		pr	pr	pr
Blacksod Point	bc	bc	bc	bc
Malin Head		bc	bc	bc
Aldergrove	bcbyv	bvy	bgbvfg	bvfg bc
Birr Castle	c	c	c	cbc
Valentia Obsy. †	c	c	cir₀c₀c	cbcc
Roches Point	ir₀c	r₀r₀	r₀r₀	ir₀c

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.

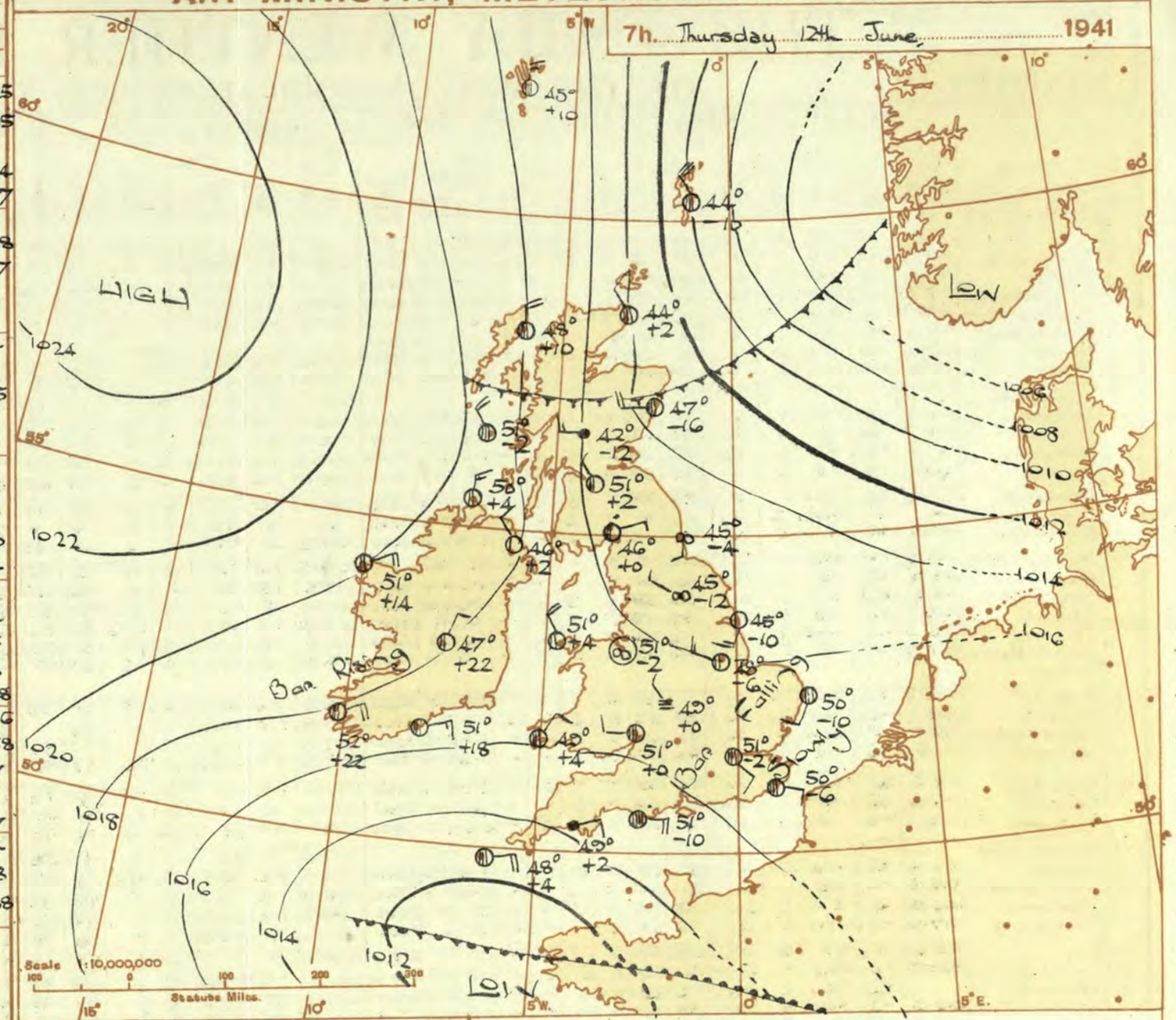
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 12th June, 1941

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 11th June			18h. G.M.T.			01h. G.M.T. 12th June			07h. G.M.T.		
IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 8-	02844	23684	86	02845	30585	80	00842	24204	80	02845	29425
115 87	81944	26385	83	02944	30485	53	81834	28487	14	02844	30385
203 8-	01944	30414									
206 8-	10865	30385	75	02964	30385	53	01962	28123	8-	01854	30384
210 86	25955	17543	86	01964	30415	40	01953	24213	8-	25967	20487
220 30	81955	02415	20	01954	02404						
230 10	00972	24202	14	00961	27401				57	61847	30268
245 20	25966	34386	86	02966	18386	5-	02965	20125	83	25976	20287
260 20	01965	28215	73	02975	06117	50	01874	00014	70	17861	00012
277											
279 20	01864	22314	80	01863	19413				50	05664	06104
285 23	27854	26487									
288 8-	05657	06327	5-	02765	04315	57	05655	26226	83	25754	20285
273											
301 20	00762	22812				00	05690	00000	50	05661	28301
321 85	02754	02320	26	02765	09226	8-	01754	12114	07	05590	25113
299 50	01754	30414	57	01744	30314	5-	02746	22226	57	00751	00012
292 83	02856	30217	73	02764	09125	04	05690	10111	00	05690	18102
310 --	01684	26314							--	01693	24213
316 8-	05658	28115	7-	05663	12115	50	05661	08112	20	05564	00014
333 10	01962	16213				50	01862	00013	50	00971	28101
334 --	01864	30214							--	01672	10202
340 26	01854	32214	86	01862	02313	57	05663	32113	53	05564	30123
136 20	01953	32513	00	01990	06214	57	02864	12217	83	02664	20216
336 14	01763	12514	13	01763	16416				52	02763	24328
350 20	02855	02510							5-	05686	18226
368 10	01851	16120							02	62648	05268
379 20	02755	32215	23	02753	16128	51	05664	14228	03	05690	16227
390 80	01854	01815	53	02754	04215	51	08463	17226	01	05690	14125
382 10	01865	32815	40	02863	12128	07	05690	14127	5-	05663	00027
438									50	01764	08314
430 10	00963	02308	50	02764	24215	01	02690	02115	07	02790	08328
409 5-	02768	09128	52	62685	12368	62	61536	12468	62	62635	06268

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. Thursday 12th June 1941.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light variable winds becoming northwest; bright intervals; chance of local thundery showers; average temperature or rather cool.
5 S.W. England 6 South Wales ... 7 North Wales ...	Moderate east winds, decreasing; cloudy; occasional rain; bright intervals later; rather cool
8 N.W. England 9 N. Midlands ... 10 N.E. England	Light variable winds becoming northwest; bright intervals; local thundery showers; 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	Moderate N.W. wind, fresh locally; bright intervals; local thundery showers; thunderstorms; cool.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light or moderate N. to N.E wind; bright intervals; local thundery showers; rather cool.

GENERAL INFERENCE.

A depression off S.W. England is moving E.S.E. A trough of low pressure over Scotland is moving south. A small depression N.E. of Iceland will move S.E. and then S.S.E. In the North there will be bright intervals & local thundery showers or thunderstorms. In S.W. England there will be local rain at first followed by bright intervals. In E. & S.E. England and the Midlands there will be bright intervals and local showers.

FURTHER OUTLOOK.

Unsettled in the North; bright intervals in the South with a thundery tendency.

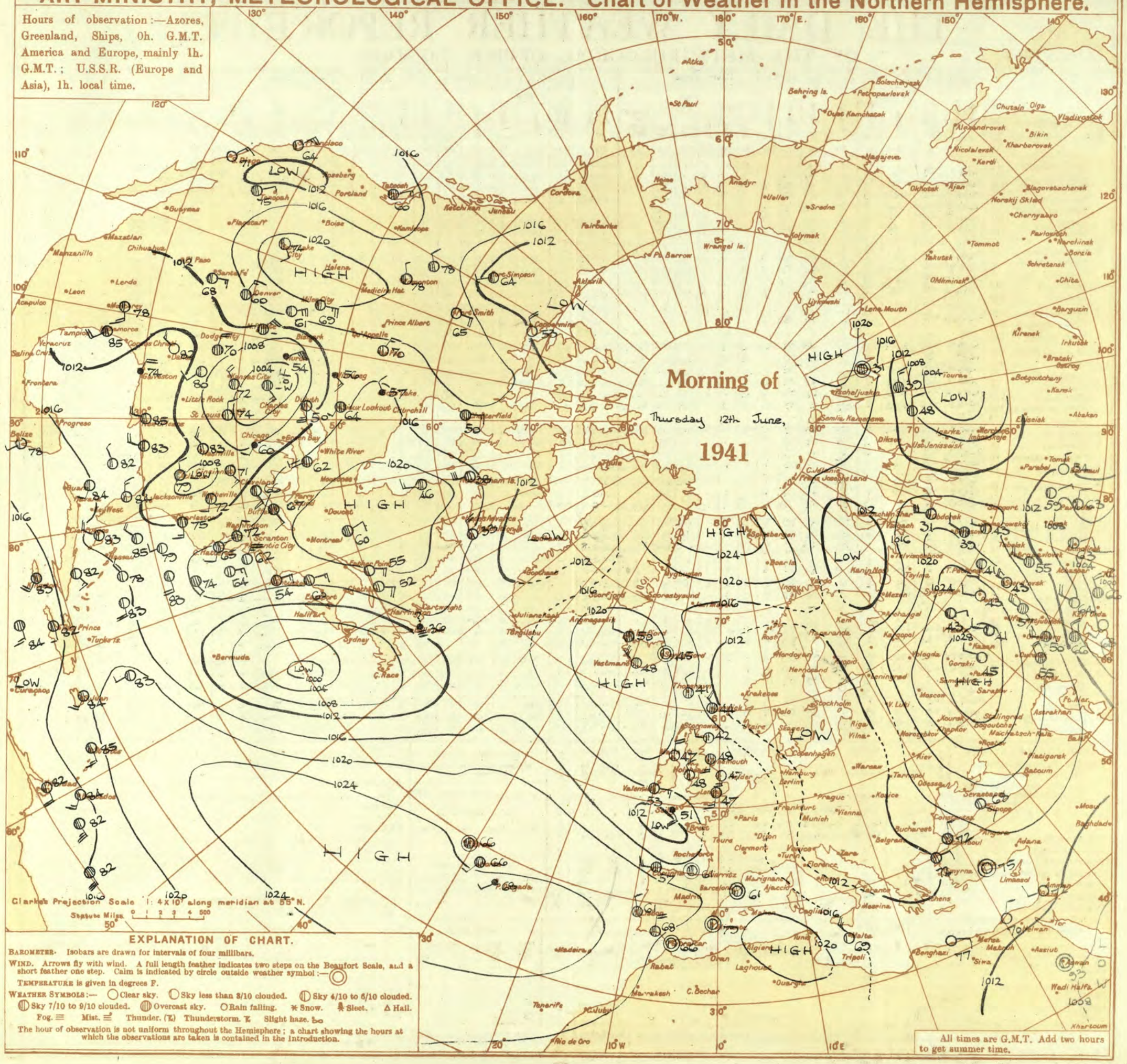
Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266.Wt. 8176.a.6034.Gp.943 3300.5/41

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 two hours to get summer time.

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 12th June 1941

No. 29,057

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

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	1018·2	+2	S	3	c	47	92	7	-	-	6	0	9+	-
	S. Farnborough	226	1017·9	-4	S	1	z	48	85	6	-	7	4	0	9	-
	Boscombe Down	417	1018·2	+2	SE'S	3	c	47	85	7	-	7	-	0	10	-
	Thorney Island	10	1017·7	-10	NE	2	z	50	85	6	-	1	7	0	10	-
	Lympne	346	1019·2	-6	-	0	c	49	97	7		-	7	0	10	-
	Manston	154	1018·9	-6	S'E	1	c	45	85	7	-	7	8	0	9+	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1018·6	-8	S	2	c	51	85	8	-	7	7	0	10	-
	Gorleston	5	1018·8	-4	SW'W	1	c	46	92	6	8	-	-	7-8	7-8	1500
	Mildenhall	19	1017·7	-8	SE'E	2	c	48	92	7	5	7	-	7-8	7-8	3000
	Cranwell	240	1018·0	-8	SE	2	bc	43	85	7	5	-	-	4-6	4-6	3500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1017·5	-4	-	0	c	49	85	7	-	7	-	0	9+	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1015·5	-12	ENE	3	rr	49	97	6	6	2	-	7-8	10	800
	Bristol	209	1017·1	-6	-	0	c	50	85	7	5	2	-	2-3	10	3000
	Portland Bill	32	1016·8	-6	SW	3	o	51	92	7	5	-	-	10	10	2500
	Plymouth	82	1016·9	-6	ESE	2	rr	47	92	6	6	2	-	7-8	10	1800
	The Lizard	240	1014·4	-12	ESE	5	rr	49	97	6	5	-	-	10	10	1000
	Scilly (St. Mary's)	163	1012·9	-14	ESE	4	rr	51	97	8	5	2	-	7-8	10	800
	Guernsey	175														
6	Pembroke	142	1016·9	-10	ENE	3	rr	49	92	6	8	-	-	10	10	2500
7	Holyhead	26	1017·4	0	N'W	2	b	48	92	7	-	-	1	0	Tr	-
	Chester (Sealand)	16	1017·3	-2	-	0	c	44	92	7	4	3	-	1	7-8	4000
8	Manchester	70	1017·5	-2	N	1	m	37	92	4	5	4	-	2-3	2-3	5000
10	Spurn Head	29	1017·5	-8	S	3	bc	47	75	7	5	-	-	4-6	4-6	4000
	Catterick	175	1017·4	-6	SE	1	z	40	92	6	-	5	-	0	7-8	-
	Tynemouth	108	1017·9	+4	S	3	c	48	75	6	5	-	-	9	9	2500
11	St. Abbs Head	280	1017·0	-2	SE	1	c/r	46	85	8	5	2	-	7-8	10	2000
	Leuchars	36	1017·1	0	SE	2	c	46	85	7	5	-	-	9+	9+	2500
12	Renfrew (Abbots I.)	19	1016·8	+2	SW	1	bc	44	75	8	5	-	-	4-6	4-6	3500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1017·2	-2	NW'W	3	b	48	92	8	-	4	1	0	1	-
13A	Tiree	22	1018·6	0	N	3	b	46	85	9	1	4	*	Tr	1	3500
13B	Stornoway	80	1019·5	-10	WNW	3	c	45	87	7	5	7	-	2-3	9	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	81	1016·0	-10	W	2	bc	42	92	9	2	6	3	1	2-3	2500
16	~~Lerwick~~ Sumburgh	156	1012·2	-10	NW	5	qjp	44	75	8	8	6	1	4-6	7-8	900
17	Blacksod Point	18	1019·3	+10	NE	3	bc	50	80	8	-	0	-	0	4-6	-
18	Malin Head	84	1019·5	+2	N	4	bc	47	75	8	7	-	-	2-3	2-3	5700
	Aldergrove	268	1019·1	+2	-	0	fg	39	92	9	5	-	-	Tr	Tr	4000
19	Birr Castle	173	1017·4	+2	N	1	c	45	97	8	5	-	-	9	9	4000
20	Valentia Obsy.	30	1015·8	+8	E	3	c	53	85	8	5	-	-	10	10	2500
	Roches Point	22	1016·1	0	E'S	4	rr	50	97	8	6	2	-	7-8	9+	1500

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

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)	1016·5	-4	SSE	1	z	52	75	6	-	-	6	0	9	-	1	*
Croydon	1016·6	-2	SE'E	2	c	51	75	7	-	-	2	0	9+	-	1	*
S. Farnborough	1016·2	-2	SE	2	c	50	75	7	-	-	7	0	9+	-	1	*
Boscombe Down	1016·5		E'S	2	c			7	-	1		0	10			*
Thorney Island																
Lympne	1017·3	-6	E'S	2	c	50	85	8	-	-	8	0	9	-	1	§
Manston	1017·0	-4	SE'E	1	c	51	85	7	-	3	8	0	9+	-	0	*
Shoeburyness																*
Felixstowe	1017·0	-2	S'W	3	c	53	75	7	5	3	6	2-3	9+	6000	1	1
Gorleston	1016·8	-10	SSW	2	c	50	85	6	5	9	-	4-6	7-8	1500	0	2
Mildenhall	1015·9	-6	SSW	3	z	52	75	6	8	3	-	4-6	4-6	3500	0	*
Cranwell	1016·0	-6	WNW	3	bc	48	75	7	4	3	-	1	4-6	3500	0	*
Birmingham	1016·3	0	NW	1	cf	49	85	3	5	-	-	7-8	7-8	4000	1	*
Upper Heyford	1016·3	-6	SW	2	z	50	85	6	5	3	-	4-6	9	3500	1	*
Ross-on-Wye	1016·1	0	W	2	c	51	75	6	5	3	-	9+	10	2500	1	*
Hartland Point	1018·0	-2	NE	3	c/r	48	85	7	5	2	-	7-8	9+	1500	1	3
Bristol	1016·0	-8	-	0	c/r	50	85	6	5	7	7	4-6	10	3500	1	*
Portland Bill	1014·1	-10	E	4	o	51	92	8	5	-	-	10	10	2500	1	3
Plymouth	1014·9	+2	ENE	2	rr	49	92	8	5	2	-	7-8	10	1600	1	2
The Lizard	1012·7	-2	E	4	c/r	49	92	8	8	2	-	9	10	2000	1	5
Scilly (St. Mary's)	1012·3	+4	E'N	4	c/r	48	92	7	8	2	-	7-8	10	1000	1	4
Guernsey																
Pembroke	1016·8	+4	NE'N	2	c	49	92	7	8	2	-	7-8	10	2500	1	3
Holyhead	1017·0	+4	NW'N	4	bc	51	85	8	1	3	-	1	2-3	3000	1	2
Chester (Sealand)	1016·3	-2	-	0	z	51	75	6	-	-	-	0	0	-	0	*
Manchester	1006·4	-2	SW	1	m	46	92	4	-	-	-	0	0	-	0	*
Spurn Head	1015·7	-10	S'W	3	b	45	85	7	-	-	1	0	1	-	0	3
Catterick	1015·2	-12	WNW	1	z	45	75	6	1	4	-	2-3	4-6	3000	0	*
Tynemouth	1016·4	-4	ENE	1	z	45	85	5	5	3	-	4-6	7-8	800	0	3
St. Abbs Head	1015·5	-6	SE	2	bc	49	75	9	4	4	9	2-3	4-6	2500	0	2
Leuchars	1015·6	-6	WNW	2	bc	47	65	8	4	3	2	4-6	4-6	4000	0	*
Renfrew (Abbots I.)	1016·8	+2	NW	1	bc	51	65	8	-	9	-	0	2-3	-	0	*
Eskdalemuir	1015·6	0	NE'E	1	b	46	75	8	-	4	-	0	1	-	0	*
Point of Ayre	1016·2	0	NWN	4	b	50	85	8	1	-	-	1	1	1800	0	3
Tiree	1017·2	-2	NW'N	4	c	51	85	8	5	1	-	7-8	7-8	2800	0	5
Stornoway	1018·2	+10	N	4	c	48	75	8	3	6	-	2-3	7-8	2000	1	3
Dalwhinnie	1015·7	-12	W	3	pr	42	75	8	5	-	8	7-8	9	1500	1	*
Aberdeen	1013·8	-16	W	4	c/r	47	55	8	5	-	-	9+	9+	2800	0	2
Wick	1013·9	+2	NW'N	2	c	44	75	8	7	4	-	7-8	7-8	2000	1	3
~~Lerwick~~ Sumburgh	1009·5	-10	NW	6	c	44	75	8	8	7	6	7-8	9+	1200	*	*
Blacksod Point	1020·8	+14	NE	4	bc	51	75	8	-	6	-	0	4-6	-	0	4
Malin Head	1019·3	+4	N	3	bc	50	75	8	7	-	-	2-3	2-3	5700	0	2
Aldergrove	1018·6	+2	NW'N	2	b	46	75	9	1	-	-	1	1	2000	0	*
Birr Castle	1019·4	+22	NNE	1	be	47	85	8	5	-	-	2-3	2-3	2500	0	*
Valentia Obsy.	1018·2	+22	NE	4	c	52	85	8	5	-	-	7-8	7-8	1500	0	3
Roches Point	1017·5	+18	ENE	3	c	51	92	8	5	-	-	7-8	7-8	2500	1	4

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 11hrs. Hrs. (36)
London (Kew)	60	45	36	-	-	10.1
Croydon	60	44	42	-	-	8.8
S. Farnborough	62	46	41	-	-	10.2
Boscombe Down	61			-		
Thorney Island						
Lympne		42	35		-	9.6
Manston	57	43	37	-	-	*
Shoeburyness				-		
Felixstowe	60	49	45	-	-	14.0
Gorleston	56	46	44	-		
Mildenhall	58	44	40	-	-	10.5
Cranwell	50	38	32	-	-	9.3
Birmingham	62.	44	32	-	-	10.5
Upper Heyford	*	45	42	*	-	*
Ross-on-Wye	64	48	45	-	-	11.5
Hartland Point	57	45	43	1	6	3.7
Bristol	63	48	41	-	0.3	10.1
Portland Bill	53	49	*	-	0.2	*
Plymouth	59	47	47	1	5	4.3
The Lizard	57	46	*	2	9	1.7
Scilly (St. Mary's)	56	47	*	5	4	0.0
Guernsey						
Pembroke	55	47	*	2	6	1.8
Holyhead	56	46	35		-	15.2
Chester (Sealand)	51	39	34	-	-	13.2
Manchester	61	34	27	-	-	9.1
Spurn Head	55	45	*	-	-	11.2
Catterick	56	37	31	Tr	-	5.4
Tynemouth	51	44	41	-	-	*
St. Abbs Head	51	44	*	-	Tr	*
Leuchars	57	41	37	-	1	6.8
Renfrew (Abbots I.)	64	36	29	-	-	10.7
Eskdalemuir	56	33	29	-	Tr	3.3
Point of Ayre	59	43	*	-	-	12.7
Tiree	55	46	*	-	-	15.6
Stornoway	52	43	*	-	3	6.3
Dalwhinnie	54	25	15	Tr	Tr	5.6
Aberdeen	56	39	34	0.1	Tr	12.2
Wick	52	*	33	*	*	*
~~Lerwick~~ Sumburgh	*	*	*	*	*	*
Blacksod Point	59	47	*	-	-	*
Malin Head	53	43	*	-	-	15.3
Aldergrove	60	37	27	-	-	14.4
Birr Castle	58	42	39	-	-	0.0
Valentia Obsy.	63	51	39	Tr	0.4	1.7
Roches Point	56	56	*	1	2	*

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.	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	bccy	cbczo	cbczw	60	45	36	-	-	10.1	*	*	8
Croydon	217	c,bbcy	bcycy	cymcd	60	44	42	-	-	8.8	*	*	8
Greenwich (Royal Observatory)	149	cby	bccdy	cwey	59	44	35	-	Tr	8.3	49	58	8
City (Bunhill Row)	—	*	*	*	*	*		*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	61	46	43	-			53	59	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	62	46	41	-	-		61	48	*
Camden Square	110	bc	bc	*	61	47	44	-	-	*	*	56	*
Kensington	80	bc	bc	*	62	46	41	-	-		56	54	*
Hampstead Observatory	450	bc	bc	bc	58	45	40	-	-		*	49	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 12th

	Max.	Time.	Min.	Time.
South Kensington				
Kew Observatory	0.1	7-11h. 14h.	<0.1	0-4h. 12h.

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

‡ 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

Friday 13th. June, 1941

No 29,058.

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

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)	1015.5	-8	W'S	1	c	60	45	7	2	-	8	2-3	9+	2500
	Croydon	1015.4	-8	E	1	bc	61	55	8	1	3	2	Tr	4-6	4000
	S. Farnborough	1015.1	-8	E'N	1	c	61	45	8	1	-	8	2-3	9	4000
	Boscombe Down	1015.8	-6	E	1	bc	59	45	7	1	-	-	4-6	4-6	3000
	Thorney Island	1015.1	-2	E	2	c	60	65	8	1	7	4	1	7-8	4000
	Lympne	1015.8	-10	NE'E	2	c	57	55	8	-	7	7	0	10	-
	Manston	1015.8	-6	E'N	2	c	56	55	8	-	7	8	0	9+	-
2	Shoeburyness	1016.4	-6	SE	2	c	56	65	8	-	7	-	0	9	-
	Felixstowe	1016.0	-10	S	4	c	57	55	8	1	-	8	2-3	9	6000
	Gorleston	1016.8	-14	S	5	c	53	75	7	5	-	1	7-8	7-8	1500
	Mildenhall	1014.6	-10	NW	3	cq	60	55	7	9	7	7	7-8	9+	2500
	Cranwell	1014.9	-10	W'N	4	bc	64	35	7	3	-	-	4-6	4-6	4500
3	Birmingham	1015.3	-2	NW	3	c	61	35	7	7	-	-	7-8	7-8	4000
	Upper Heyford	1015.3	-10	SW'W	2	c	59	55	7	8	-	-	9	9	3000
4	Ross-on-Wye	1015.6	-6	W	2	c	60	55	7	8	-	-	7-8	7-8	4000
5	Hartland Point	1016.6	+8	N	2	bc	55	75	7	1	3	-	Tr	2-3	2500
	Bristol	1016.0	-4	ESE	2	c	61	55	8	7	3	-	7-8	9+	3500
	Portland Bill	1014.5	+6	E	4	c	52	85	8	1	-	-	7-8	7-8	2500
	Plymouth	1016.1	+8	NE	4	c	58	97	8	7	-	-	7-8	7-8	2000
	The Lizard	1015.3	+20	NE	4	bc	57	75	8	2	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	1016.2	+16	NNE	5	b	55	75	7	8	-	-	1	1	1800
	Guernsey														
6	Pembroke	1018.3	+2	N'E	4	b	57	75	7	2	-	-	Tr	Tr	3000
7	Holyhead	1018.1	+4	NW'N	4	bq	54	75	8	2	3	5	1	1	3000
	Chester (Sealand)	1016.6	+2	NNW	5	bc	55	65	8	1	4	-	1	2-3	2000
8	Manchester	1015.9	+2	WNW	4	bc	59	45	8	1	3	-	2-3	2-3	3000
10	Spurn Head	1014.2	-4	E	3	z0	52	85	6	1	4	-	2-3	4-6	4000
	Catterick	1013.8	-6	NE	1	c	62	45	8	2	6	5	7-8	9	2500
	Tynemouth	1015.4	-8	E	3	c	54	75	6	8	-	-	7-8	7-8	2500
11	St. Abbs Head	1014.1	-10	NW	4	c	49	75	9	8	7	9	4-6	9	2500
	Leuchars	1014.1	-2	SE	3	c	54	65	8	8	-	8	4-6	7-8	3200
12	Renfrew (Abbots I.)	1014.9	-14	NW'W	4	bc	60	55	9	1	-	-	4-6	4-6	3000
	Eskdalemuir	1014.5	-2	NNW	4	bc	55	55	8	8	-	1	4-6	4-6	2500
	Point of Ayre	1017.2	+6	NW'N	4	bc	57	75	8	2	4	-	1	2-3	2500
13A	Tiree	1018.4	0	N	3	bc	57	55	9	1	3	-	2-3	2-3	4000
13B	Stornoway	1017.5	-12	NNW	5	c/pr	50	75	8	5	7	-	7-8	9+	1500
15	Dalwhinnie	1015.7	0	NNE	3	bc	53	45	8	8	-	-	4-6	4-6	2500
	Aberdeen	1013.4	-4	NW'W	4	c	54	45	8	1	-	8	4-6	7-8	3500
	Wick	1013.6	-2	NW'N	4	c/pr	46	85	8	8	7	-	7-8	9	1800
16	~~Lerwick~~ Sumburgh	1009.0	0	NW	5	c/r	45	85	8	6	2	-	4-6	10	1000
17	Blacksod Point	1022.6	+6	NE	5	bc	56	65	8	-	6	-	0	4-6	-
18	Malin Head	1019.8	+2	NNW	4	c	54	75	8	2	8	2	2-3	7-8	4000
	Aldergrove	1018.9	-2	NW'N	4	c	56	65	9	7	3	1	4-6	7-8	2000
19	Birr Castle	1019.7	0	NNE	2	bc	62	55	8	1	-	1	2-3	4-6	2500
20	Valentia Obsy. †	1020.8	+14	NE'N	4	bc	61	65	9	1	-	1	1	2-3	2500
	Roches Point	1019.3	+6	N	1	bc	58	75	8	2	-	1	4-6	4-6	2500

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

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)	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)	1014.9	+2	NW	1	c/pr	58	65	6	8	7	-	7-8	9+	1500	1	*
Croydon	1014.7	+2	NNW	1	ir0	58	55	6	5	2	-	7-8	10	4000	0	*
S. Farnborough	1014.9	+2	NW'N	2	c	62	45	8	7	7	8	7-8	9+	4000	1	*
Boscombe Down	1015.7	+2	WNW	2	bc	60	55	7	5	-	-	4-6	4-6	5000	0	*
Thorney Island	1015.3	-4	SW	2	c	57	65	7	4	7	-	4-6	7-8	4000	0	
Lympne	1015.8	0	SE	2	bc	55	65	7	-	5	-	0	4-6	-	0	§
Manston	1015.4	+4	NE	1	bc	53	65	8	-	3	1	0	4-6	-	0	*
Shoeburyness	1013.3	+12	NE'E	2	c/pr	53	75	8	6	1	-	4-6	10	4000	1	*
Felixstowe	1015.0	0	S	2	r0r0	52	75	8	5	7	-	4-6	9+	4000	1	
Gorleston	1015.5	-4	SW'S	2	c	50	85	6	5	-	-	9+	9+	1500	1	
Mildenhall	1014.4	0	S	3	pr	54	75	7	9	7	-	7-8	9+	2000	1	*
Cranwell	1015.1	+10	SE'S	3	bc	56	65	7	8	-	-	2-3	2-3	3500	1	*
Birmingham	1015.2	+4	NW	3	b	59	35	8	1	-	-	1	1	4000	1	*
Upper Heyford	1014.8	+6	N	3	bc	59	55	8	8	-	-	2-3	2-3	4500	0	*
Ross-on-Wye	1016.0	+8	N	3	b	60	45	9	8	-	1	1	1	4000	1	*
Hartland Point	1018.2	+12	N	3	b	53	65	8	1	-	-	Tr	1	2500	0	3
Bristol	1015.8	+2	WNW	4	bc	60	65	8	2	3	-	2-3	4-6	3000	1	*
Portland Bill	1015.9	+8	E	3	bc	53	85	8	5	-	-	4-6	4-6	4000	1	3
Plymouth	1017.7	+16	S'W	3	b	58	55	8	1	6	-	1	1	4000	0	3
The Lizard	1017.2	+10	N	5	bc	57	65	8	4	-	-	4-6	4-6	2500	0	3
Scilly (St. Mary's)	1017.3	+22	N'E	5	b	55	75	7	-	-	-	0	0	-	0	4
Guernsey																
Pembroke	1019.3	+4	ENE	4	b	54	65	8	1	-	-	Tr	Tr	3000	0	3
Holyhead	1019.0	+10	NW	3	bc	54	85	8	8	-	4	4-6	4-6	5000	1	2
Chester (Sealand)	1017.1	+8	NW	5	bc	55	65	8	2	4	5	2-3	2-3	2500	0	*
Manchester	1015.9	+6	WNW	5	bc	57	65	8	1	3	5	2-3	4-6	3000	0	*
Spurn Head	1014.2	-2	E	1	bc	53	75	7	1	4	1	2-3	4-6	5700	0	3
Catterick	1014.2	+8	E	1	c/pr	54	75	6	8	6	-	4-6	7-8	2500	1	
Tynemouth	1015.2	+4	E	2	bc	52	75	7	8	3	-	4-6	4-6	2500	0	3
St. Abbs Head	1013.9	-4	SSE	3	bc	51	75	9	2	4	-	2-3	4-6	2500	0	2
Leuchars	1013.6	+4	NW	4	bc	59	45	8	2	4	5	4-6	4-6	3500	0	*
Renfrew (Abbots I.)	1016.1	+16	NW'W	5	bc	55	55	9	2	4	1	1	2-3	4500	0	*
Eskdalemuir	1013.8	+4	NNW	4	bc	56	55	8	8	-	-	4-6	4-6	2500	0	*
Point of Ayre	1017.2	+2	NW'N	5	bc	54	85	8	1	-	9	Tr	2-3	2500	0	4
Tiree	1018.7	0	NNW	4	bc	53	75	8	1	3	-	2-3	4-6	2800	0	5
Stornoway	1018.4	+4	N	5	c/pr	51	75	8	5	7	-	4-6	7-8	2500	1	3
Dalwhinnie	1016.9	+12	NW	3	c	46	65	8	8	-	-	7-8	7-8	2500	0	*
Aberdeen	1013.9	+10	NNW	4	c/pr	51	75	8	2	-	6	4-6	7-8	2100	0	3
Wick	1014.2	+6	NW	5	c	47	75	9	8	7	-	9	9+	2000	0	*
Sumburgh	1008.7	0	NW	6	r0r0	46	85	8	5	7	-	4-6	10	1500	*	*
Blacksod Point	1023.8	+6	NW	4	c	55	75	8	2	-	5	2-3	7-8	4000	0	3
Malin Head	1020.6	+2	NNW	2	bc	53	85	8	2	7	-	2-3	4-6	5700	0	2
Aldergrove	1019.8	+8	NW'N	4	bc	54	65	8	7	4	9	2-3	4-6	2500	0	*
Birr Castle	1020.9	+6	NNE	2	bc	62	55	8	1	-	-	4-6	4-6	2500	0	*
Valentia Obsy. †	1022.2	+6	N	4	bc	59	65	9	-	-	4	0	4-6	-	0	3
Roches Point	1021.0	+10	N	3	bc	64	55	9	5	-	-	4-6	4-6	2500	1	3

PAST 24 HOURS.

Stations	Weather 7h.–13h. 12th (37)	Weather 13h.–18h. 12th (38)	Weather 18h 12th to 1h. 13th (39)	Weather 1h.–7h. 13th (40)
London (Kew)	czpwcy	cyc pr0cz	cebcmzw	bewcz
Croydon	cybcy	bcycyr0	cir0, bmzw	cmzwccmz
S. Farnborough	cy ⊕ bc	cbccy	cyclrbcmzb	bbcc
Boscombe Down	ccy	bcy	b	b
Thorney Island	c	cbc	cpr0mzb	bwb
Lympne	c	cyv bc	cir0pwmz	bwmz
Manston	c⊕	cbcby	cpSwbm	bwm
Shoeburyness	c	c	atlcbcz	bcb mz
Felixstowe	ccvy	cvyr0r0	cr0cltl0bc	cbmz
Gorleston	c	bcorr0c	cbccbc	cbcz
Mildenhall	cm0ccyt	cytlr0qc	cprbcmzm	mzcbcw
Cranwell	bccy	bcz0, Pr	bccPRqb	bcmzc
Birmingham	fcbc	cb	b	bbc
Upper Heyford	cm0cz0cy	bcy	bcyb	bbcc
Ross-on-Wye	cbcc	bybcy	bvb	b
Hartland Point	cbc	bcb	bcbbc	cbc
Bristol	cm0cy	cybcy	b	bwbc
Portland Bill	cc	bc	bcb	bcbc
Plymouth	cr0r0m0c	cyby	by	bbcw
The Lizard	bc	bc	bcb	bc
Scilly (St. Mary's)	cbcb	b	b	c
Guernsey				
Pembroke	bc	bc	bc	bc
Holyhead	qwb	bbc	bcbbc	bcqbc
Chester (Sealand)	bz0b	bbc	bbcc	c
Manchester	bm0bcy	bbcybc	bcbw	
Spurn Head	bz	bz	bc	cm
Catterick	bcbprzy	PR bcz0	cpr0bz	bzby
Tynemouth	cmzc	cbc	bccmzc	cbc
St. Abbs Head	bcc	cbc	bc	cbcc
Leuchars	bcycjp	cbcpr0bcy	bcybc	bcy
Renfrew (Abbots I.)	bccbcy	bcvy	bybccb	b
Eskdalemuir	bwbcy	pr0bc	bc yb	bbc
Point of Ayre	b	bccbc	b	b,c
Tiree	b	bc	bcc	cbc
Stornoway	ppr	cpr0	cb	bcpr0c
Dalwhinnie	cpr0y	bcprc	*	cpr0
Aberdeen	cprbcy	bcpr0	bc	pr0cr0rbz
Wick	pr	bc	pr	r
Sumburgh	r	r	c	c
Blacksod Point	bc	bc	c	c
Malin Head	c	bc	bc	c
Aldergrove	bbcc	cbccbc	b, bc	
Birr Castle	bcy	bc	bbc	bcc
Valentia Obsy. †	cbc	bcbybc	bcbybccw	cwc
Roches Point	bcy bc	bcy	bbc	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. • 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.*

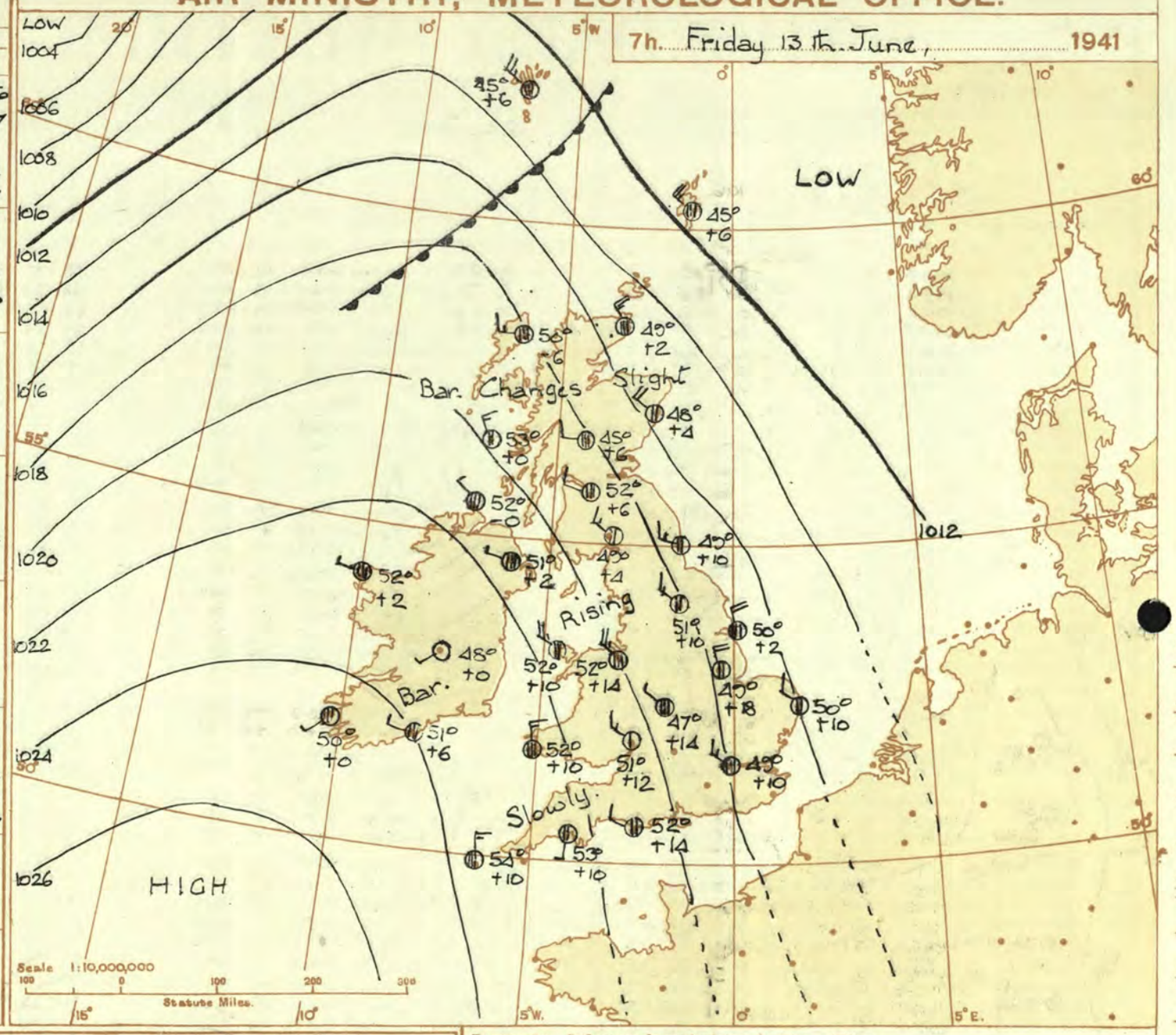
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Friday 13th June, 1941

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 12th June			18h. G.M.T.			01h. G.M.T. 13th June			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	81845	61525	57	25846	60587	57	02845	63527	57	03847	28486
115	52	02844	28486	84	02844	28426	52	81844	28487	55	02844	26487
203				8-	81837	30487	54	01844	30385			
206				84	01964	62414	84	02853	61315	8-	01865	30348
210	8-	02955	29426	46	02954	28486	8-	02856	26486	8-	25957	23387
220	83	02856	28517	23	01954	28404				23	01944	27315
230	83	01963	29423	84	02955	31486	80	00853	57313	87	02953	26217
245	24	02965	28387	86	01964	63524	40	01961	59425	24	02954	62325
260	3-	81856	04326	14	01964	26384	04	01894	00014	54	05663	26213
277												
279	8-	28215	15259	22	01862	27413				54	01962	26213
285	2-	02856	28515							23	01853	28514
288	80	81664	04214	8-	81765	04225	53	02764	20115	07	01790	26213
273												
301	10	00851	26302	26	00851	26603	40	00861	61501	20	01854	31414
321	80	25764	02484	97	81765	28387	00	05690	25210	17	02762	29315
299				50	01754	04214	5-	05647	22217	84	01754	28325
292	87	02755	26287	86	81766	02217	50	00762	28382	24	01863	28414
310	--	01644	24514							--	03426	26426
316	20	01764	28214	23	05663	26313	04	05690	26201	14	05641	28214
333	10	00962	32302	10	00962	32302	50	01950	00001	2-	01753	28414
334	--	01962	32402							--	01654	10315
340	20	00862	29312	20	00853	32403	50	01763	28403			
136	23	05663	23214	26	05663	14184	03	04690	16115	83	01664	29515
336	13	01763	28314	10	01762	28412				52	02763	28427
350				20	01863	28393	00	05690	26300	54	01763	28413
368	53	02753	22267							10	00753	28203
379	20	01755	20215	20	01862	28412	00	00790	28400	70	01754	28514
390	13	02651	26128	8-	81656	10285	00	08490	24280	10	05643	26313
382	13	01862	00025	20	01764	32314	50	00761	27201	50	02844	28417
438										50	01744	37414
430	17	02852	12329	40	01963	14213	00	00790	32100	10	01844	32414
409				00	00890	31500	04	00890	31301	50	02731	31326

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 13th June
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.	Wind northwest, light or moderate; fair: rather cool.
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 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh northwest to west wind backing southwest. Mainly cloudy; local drizzle: becoming milder.

GENERAL INFERENCE.

An anticyclone centred between Ireland and the Azores is receding slightly southwards. A depression over Scandinavia is almost stationary while another is approaching Iceland from the southwest.
Weather will be mainly fair, but some drizzle will occur later in extreme northern and western districts.
Temperatures will be generally below normal.

FURTHER OUTLOOK.

Unsettled in the Northwest; mainly fair in Southern and Eastern England.

Warm front.
Cold front.
Occlusion.

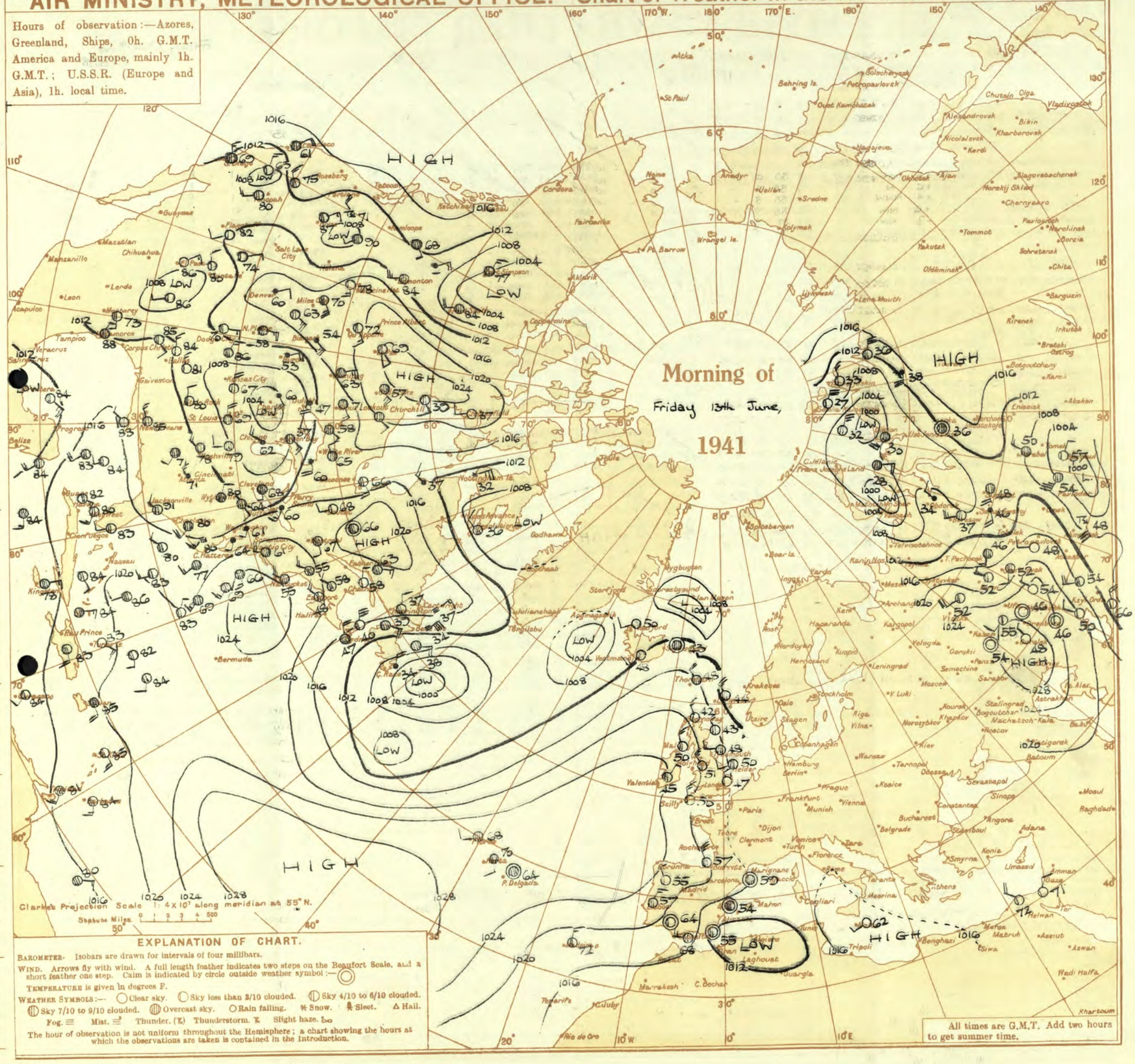
Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266. No. 8176. 0. 6034. Gp. 949. 3300. 5/41

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 two hours to get summer time.

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday 13th June 1941
No. 29,058

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

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	1016.3	+4	NW	2	z	47	85	6	-	-	-	0	0	-
	S. Farnborough	226	1017.4	+6	N	1	b	47	85	7	-	-	-	0	0	-
	Boscombe Down	417	1018.5	+4	NNW	2	b	45	85	8	-	-	-	0	0	-
	Thorney Island	10	1017.5	+6	NW	3	b	48	85	7	-	-	-	0	0	-
	Lympne	346	1016.6	+2	NW	1	z	42	97	6	-	-	-	0	0	-
	Manston	154	1015.2	-6	WSW	1	z	45	85	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1014.7	-6	W	2	c	50	85	8	-	3	-	0	9+	-
	Gorleston	5	1015.5	0	NW	2	c	47	85	5	4	-	-	9	9	800
	Mildenhall	19	1015.1	0	WNW	2	z	48	92	6	-	3	-	0	7-8	-
	Cranwell	240	1016.2	+2	W'N	4	z	45	92	6	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1017.3	+6	NW	5	b	47	75	8	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1020.8	+12	NNW	4	c	51	85	8	5	-	-	9	9	4000
	Bristol	209	1019.2	+10	W	2	b	45	85	8	-	4	-	0	Tr	-
	Portland Bill	32	1018.0	+10	W	1	b	51	92	8	-	-	-	0	0	-
	Plymouth	82	1020.9	+12	NNW	2	b	48	85	8	-	-	-	0	0	-
	The Lizard	240	1021.7	+12	NNW	4	b	48	85	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1022.4	+10	N'W	3	b	50	85	8	-	-	-	0	0	-
	Guernsey	175														
6	Pembroke	142	1021.0	+6	NW	3	bc	51	75	8	1	-	-	2-3	2-3	4000
7	Holyhead	26	1020.2	+2	NW'N	5	bcq	51	85	8	5	4	1	2-3	2-3	5000
	Chester (Sealand)	16	1018.2	+4	WNW	5	c	51	85	7	5	-	-	9+	9+	2500
8	Manchester	70	1016.9	+2	WNW	3	bc	47	92	7	5	-	-	2-3	2-3	3500
10	Spurn Head	29	1014.4	0	W'S	2	c	50	75	7	8	-	-	7-8	7-8	2500
	Catterick	175	1015.9	+6	NW'N	3	z	47	75	6	5	3	-	Tr	1	3500
	Tynemouth	108	1015.8	+14	W	3	c	48	75	6	2	3	-	4-6	7-8	2500
11	St. Abbs Head	280	1015.6	+6	N'W	4	bc	47	97	8	4	4	-	2-3	2-3	2000
	Leuchars	36	1015.8	+2	NW	3	bc	46	65	8	4	4	6	2-3	4-6	4000
12	Renfrew (Abbots I.)	19	1017.3	+2	NW'W	3	b	44	85	8	4	4	-	Tr	Tr	3000
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1018.6	+4	NNW	4	b	49	92	8	4	-	-	Tr	Tr	2000
13A	Tiree	22	1018.7	0	NW'N	2	c	50	85	8	5	-	-	9	9	2500
13B	Stornoway	80	1018.5	-10	NW	3	b	42	97	8	5	-	-	Tr	Tr	3000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick (113)	81	1014.5	0	NW'W	5	c/pr	46	92	8	5	7	8	7-8	9+	1400
16	~~Lerwick~~ Sumburgh	~~156~~ 30	1010.7	+10	NW	5	c	44	85	8	5	7	-	4-6	10	2500
17	Blacksod Point	18	1023.5	-2	-	0	c	51	75	8	-	7	-	0	9+	-
18	Malin Head	84	1020.7	+2	NNW	3	bc	50	85	8	2	-	-	2-3	2-3	5700
	Aldergrove	268	1020.8	+2	NW	2	bc	48	85	8	5	-	-	4-6	4-6	2000
19	Birr Castle	173	1023.0	+2	N	1	bc	46	92	8	5	-	-	4-6	4-6	4000
20	Valentia Obsy.	30	1024.2	+6	NE'E	1	c	45	92	9	5	5	2	Tr	9	4000
	Roches Point	22	1022.6	+2	NNW	3	bc	52	85	8	5	-	5	1	2-3	2500

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

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)	1018.6	+14	NNW	2	z	51	75	6	8	-	-	9	9	2500	1	*
Croydon	1017.7	+10	NW	3	c	49	85	6	5	-	-	9+	9+	1200	1	*
S. Farnborough	1019.2	+16	NW	3	c	50	75	8	5	-	-	7-8	7-8	2500	1	*
Boscombe Down	1020.4	+16	NW	4	b	51	65	8	1	-	-	Tr	Tr	2000	0	*
Thorney Island	1019.4	+16	NNW	4	bc	51	75	8	1	-	-	2-3	2-3	2500	0	
Lympne	1018.5	+2	NW'N	4	z	49	85	6	1	-	-	Tr	Tr	1500	0	§
Manston	1016.9	+14	NW'W	4	z	49	85	6	5	-	-	1	1	700	0	*
Shoeburyness	1017.2	+10	NW	2	b	51	85	6	1	-	-	Tr	Tr	1500	0	*
Felixstowe	1016.0	+10	NW'W	4	z	49	55	6	-	4	-	0	2-3	-	1	2
Gorleston	1016.0	+10	NW	2	bc	50	85	5	5	3	-	2-3	4-6	800	0	2
Mildenhall	1016.8	+14	NW	4	z	47	65	6	5	3	9	4-6	7-8	4000	0	*
Cranwell	1018.1	+18	NNW	4	bc	49	75	7	-	3	-	0	4-6	-	1	*
Birmingham	1020.0	+14	NW	1	c	47	80	6	6	7	-	7-8	10	800	1	*
Upper Heyford	1018.9	+18	NW'W	4	c	50	75	8	5	3	-	7-8	7-8	1200	0	*
Ross-on-Wye	1020.2	+12	NW	3	b	51	65	8	8	-	1	Tr	1	4000	1	*
Hartland Point	1022.5	+14	NNE	3	bc	51	75	8	4	8	-	2-3	4-6	3500	0	3
Bristol	1021.4	+12	WNW	3	c	52	65	8	8	3	-	2-3	7-8	3000	0	*
Portland Bill	1020.9	+14	WNW	2	bc	52	85	8	1	-	-	4-6	4-6	4000	1	3
Plymouth	1023.0	+10	S	1	bc	53	75	8	1	-	6	Tr	4-6	1600	0	2
The Lizard	1023.9	+16	NW	3	bc	53	92	8	8	6	-	4-6	4-6	2500	0	2
Scilly (St. Mary's)	1023.7	+10	N	3	c	54	92	8	-	4	7	0	9+	-	0	3
Guernsey																
Pembroke	1023.0	+10	N'W	3	c	52	85	8	2	7	1	2-3	7-8	3500	0	3
Holyhead	1021.0	+10	NW'W	5	bc	52	85	8	2	4	2	1	4-6	3000	1	4
Chester (Sealand)	1020.1	+14	NW	5	c	52	75	8	8	-	-	7-8	7-8	1200	0	*
Manchester	1019.2	+16	NW	4	bc	52	75	8	8	3	-	4-6	4-6	3000	0	*
Spurn Head	1016.8	+2	NNW	4	c	50	85	7	8	6	-	4-6	7-8	4000	0	3
Catterick	1018.2	+10	NW	3	bc	51	55	8	1	3	-	1	2-3	3200	1	*
Tynemouth	1018.1	+10	WNW	3	bc	49	65	7	2	4	-	1	2-3	2500	0	3
St. Abbs Head	1016.5	+10	NW	4	c	47	65	9	4	4	-	4-6	7-8	2500	0	3
Leuchars	1017.0	+6	WNW	3	bc	50	55	9	4	7	-	2-3	4-6	5500	0	*
Renfrew (Abbots I.)	1018.8	+6	WNW	2	bc	52	65	9	1	4	1	1	2-3	3000	0	*
Eskdalemuir	1018.0	+4	NW'W	3	bc	49	65	8	5	3	-	2-3	2-3	2500	0	*
Point of Ayre	1019.8	+10	NW	4	c	51	92	8	8	-	-	9	9	2500	0	4
Tiree	1018.8	0	NW'N	3	bc	53	75	8	1	3	6	2-3	4-6	2800	0	3
Stornoway	1018.2	-6	W	3	c/pr	50	92	8	5	7	-	7-8	9+	2500	1	2
Dalwhinnie	1018.9	+6	W	2	c	45	75	8	5	4	-	4-6	7-8	2500	1	*
Aberdeen	1015.3	+4	NW	4	bc	48	85	8	8	3	-	4-6	4-6	2200	0	2
Wick	1015.2	+2	NW'N	5	c	49	85	8	5	7	-	4-6	9+	1000	*	
Sumburgh	1011.7	+6	NW	5	c	45	97	8	5	7	-	7-8	9+	2400	*	*
Blacksod Point	1022.7	+2	WSW	1	c	52	85	8	-	-	7	0	9	-	0	1
Malin Head	1020.6	0	NW	1	c	52	75	8	4	-	4	4-6	7-8	5700	0	2
Aldergrove	1021.4	+2	WNW	1	c	51	75	8	1	5	6	2-3	9	2500	0	*
Birr Castle	1023.4	0	SW	1	c	48	92	8	5	-	-	10	10	4000	0	*
Valentia Obsy.	1023.9	0	SW	1	c	50	92	9	5	7	-	2-3	7-8	4000	0	2
Roches Point	1024.2	+6	WNW	1	c	51	85	8	5	1	-	2-3	9+	2500	1	4

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 12th Hrs. (36)
London (Kew)	63	46	34	Tr	-	5.8
Croydon	64	42	38	Tr	Tr	5.8
S. Farnborough	64	44	40	-	3	5.0
Boscombe Down	62	42	38	-	-	7.0
Thorney Island	62	45	36	-	Tr	*
Lympne	60	41	36	-	0.1	6.6
Manston	58	43	39	-	0.1	4.2
Shoeburyness	58	44	35	Tr	-	3.4
Felixstowe	58	47	44	0.2	0.1	6.9
Gorleston	55	45	39	5	-	*
Mildenhall	62	41	34	2	Tr	5.5
Cranwell	64	43	40	1	2	8.3
Birmingham	62	46	41	-	-	9.4
Upper Heyford	64	44	40	-	-	*
Ross-on-Wye	64	44	37	-	-	8.5
Hartland Point	57	50	48	-	-	10.1
Bristol	62	42	32	-	-	6.0
Portland Bill	54	48	*	-	-	*
Plymouth	62	46	38	1	-	5.3
The Lizard	59	45	*	Tr	-	10.1
Scilly (St. Mary's)	(55)	47	*	-	-	10.6
Guernsey						
Pembroke	55	48	*	-	-	10.4
Holyhead	56	49	45	-	-	14.2
Chester (Sealand)	57	50	45	-	-	14.9
Manchester	61	45	40	-	-	13.2
Spurn Head	58	46	*	-	0.6	10.8
Catterick	62	42	37	3	Tr	8.8
Tynemouth	54	43	40	-	-	*
St. Abbs Head	54	45	*	-	-	*
Leuchars	61	40	35	Tr	9	10.9
Renfrew (Abbots I.)	62	44	34	-	-	12.7
Eskdalemuir	60	37	31	Tr	-	11.6
Point of Ayre	58	48	*	-	-	14.3
Tiree	57	49	*	-	-	9.2
Stornoway	52	40	*	1	0.1	7.5
Dalwhinnie	55	37	30	0.2	0.3	6.3
Aberdeen	57	43	40	0.4	0.1	7.9
Wick	58	*	*	*	*	*
Sumburgh		*	*	*	*	*
Blacksod Point	58	46	*	-	-	
Malin Head	54	47	*	0.1	-	11.0
Aldergrove	60	47	41	-	Tr	12.1
Birr Castle	64	42	38	-	-	14.6
Valentia Obsy.	62	44	40	-	Tr	12.2
Roches Point	65	50	*	-	-	*

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. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	cz wcy	cyc pcz	cbc	63	46	34	Tr	-	5.8	*	*	7
Croydon	217	cybcy	bcycyc cyr	cir bm	64	42	38	Tr	Tr	5.8	*	*	7
Greenwich (Royal Observatory)	149	[illegible]	cyr	bc	64	46	35	1	-	4.9	*	62	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	63	46	39	0.1			51	63	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	63	46	*	-	0.2		72	62	*
Camden Square	110	c	c	*	46	40		-	0.5	*	*	57	*
Kensington	80	bc	bccp	*	64	46	38	0.5	Tr		70	65	*
Hampstead Observatory	450										*		*

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	17-23h 12th	<0.1	0-8h 13th

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

‡ 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

Saturday 14th June 1941

No. 29059

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

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)	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)...	1020.9	+16	NW'N	3	c	59	55	8	8	–	–	9	9	2500
	Croydon ...	1020.0	+10	NNW	3	c	60	55	7	2	6	–	4-6	7-8	4000
	S. Farnborough	1021.1	+10	WNW	4	c	59	55	8	8	–	–	7-8	7-8	3500
	Boscombe Down	1022.0	+8	NW'N	3	c	58	55	8	7	–	1	7-8	9+	2500
	Thorney Island	1021.2	+14	NNW	3	c	60	55	8	4	6	–	7-8	9+	4000
	Lympne ...	1019.9	+10	N	4	c	58	65	8	2	–	–	9	9	2500
	Manston ...	1019.9	+18	N'W	3	zo	58	65	6	8	–	–	4-6	4-6	2500
2	Shoeburyness ...	1020.1	+16	N'W	4	c	59	92	8	7	–	–	9	9	2500
	Felixstowe ...	1019.3	+14	NNW	4	c	58	55	8	8	–	–	2-3	9+	3000
	Gorleston ...	1019.7	+14	N	4	bc	53	65	7	7	3	–	2-3	4-6	2000
	Mildenhall ...	1019.5	+10	N'E	2	c	58	55	8	1	–	–	7-8	7-8	3000
	Cranwell ...	1020.0	+6	N'W	3	c	57	55	7	7	–	–	9+	9+	3000
3	Birmingham	1021.0	+12	NW	4	c	55	45	7	8	–	–	9+	9+	4000
	Upper Heyford	1020.7	+8	NW'W	4	c	56	55	8	1	–	–	9+	9+	2800
4	Ross-on-Wye ...	1021.4	+4	N'E	3	c	59	55	8	7	–	6	4-6	9+	4000
5	Hartland Point	1024.2	+6	WNW	3	c	56	75	8	1	–	6	1	7-8	2500
	Bristol ...	1021.9	+4	WNW	3	c	60	65	9	7	–	6	4-6	9+	3000
	Portland Bill ...	1021.8	+8	W	2	c	56	92	8	5	–	–	10	10	4000
	Plymouth ...	1024.3	+6	NW'N	3	c	61	55	8	1	–	7	2-3	9	3000
	The Lizard ...	1024.8	+8	NW	3	c	57	85	8	8	6	–	7-8	7-8	3500
	Scilly (St. Mary's)	1025.2	+6	NW'W	3	c	62	75	8	2	7	6		9+	1500
	Guernsey ...														
6	Pembroke ...														
7	Holyhead ...	1022.5	+4	W'N	3	c	57	65	8	1	3	9	1	9	3400
	Chester (Sealand)	1021.6	+8	NW'N	5	c	56	65	8	8	3	6	4-6	9	2500
8	Manchester ...	1020.8	+8	WNW	4	c	58	55	8	8	3	6	7-8	9+	2600
10	Spurn Head ...	1019.7	+12	NE'N	2	bc	57	45	8	8	8	–	1	2-3	5700
	Catterick ...	1019.1	+4	N	2	c	58	45	8	4	–	–	9+	9+	3000
	Tynemouth ...	1019.3	+4	NE	2	c	52	75	8	8	–	–	9	9	2500
11	St. Abbs Head	1017.4	0	WNW	3	bc	53	55	9	4	4	–	4-6	4-6	2500
	Leuchars ...	1017.0	-2	W	2	c	60	45	9	8	7	1	4-6	7-8	4200
12	Renfrew (Abbots I.)	1018.9	+2	NW'W	4	c	61	45	9	1	–	–	4-6	7-8	2500
	Eskdalemuir ...	1018.4	+4	WNW	3	c	56	55	8	7	–	–	7-8	7-8	2500
	Point of Ayre ...	1021.0	+2	NW	3	c	55	75	8	1	4	6	1	7-8	2500
13A	Tiree ...	1018.4	-14	WSW	2	c	58	75	8	7	3	–	4-6	7-8	2800
13B	Stornoway ...	1017.2	-8	WSW	4	c	56	65	8	5	7	6	7-8	9+	2500
15	Dalwhinnie ...	1018.0	0	NW	3	c	54	55	8	8	–	–	7-8	7-8	2500
	Aberdeen ...	1016.1	-2	NW'N	4	c	58	45	8	7	–	–	9	9	3100
	Wick ...	1015.8	+2	NW'N	4	c	54	75	9	2	7	–	7-8	9+	1800
16	Sumburgh ...	1013.1	+4	NW	4	c	49	75	8	7	–	–	9	9	1600
17	Blacksod Point..	1020.9	-6	S	3	c	56	75	8	5	–	–	10	10	1500
18	Malin Head ...	1020.4	-4	W	5	bc	55	65	8	2	–	4	2-3	4-6	5700
	Aldergrove ...	1020.9	-6	SSW	2	c	62	55	9	8	4	6	4-6	7-8	2500
19	Birr Castle ...	1022.9	-2	SW	2	c	58	65	8	5	1	–	7-8	10	4000
20	Valentia Obsy. †	1023.9	-2	SW'W	3	c	58	85	8	5	–	–	9+	10	2500
	Roches Point ...	1023.5	-4	S	2	c	57	85	8	6	7	–	4-6	9+	1500

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

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)	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)	1022.3	+10	NW'N	3	c	61	45	7	8	–	4	2-3	9+	2500	1	*
Croydon	1021.7	+10	NW	3	c	59	55	7	4	6	1	4-6	7-8	4000	0	*
S. Farnborough	1022.3	+8	NW	2	bc	61	45	8	7	6	9	4-6	4-6	3000	1	*
Boscombe Down	1022.6	+6	W'N	4	bc	61	65	8	2	4	1	4-6	4-6	3000	0	*
Thorney Island	1022.3	+6	NW'N	2	c	63	55	8	4	6	–	4-6	9	4000	0	
Lympne	1022.3	+14	SSE	2	c	51	85	8	5	–	–	9+	9+	5000	0	§
Manston	1022.3	+10	ESE	1	c	52	75	9	5	6	–	9+	10	4000	0	*
Shoeburyness	1021.9	+14	SE	2	c	54	75	8	7	–	–	9	9	2500	0	*
Felixstowe	1021.5	+14	SSE	3	c	52	75	8	5	–	–	9	9	5000	0	2
Gorleston	1021.0	+6	NNE	3	c	55	55	7	1	3	–	2-3	7-8	2200	0	2
Mildenhall	1021.2	+8	–	0	c	58	55	8	4	6	–	2-3	9+	5000	0	*
Cranwell	1021.1	+2	WNW	2	c	58	55	7	5	–	–	9+	9+	6800	0	*
Birmingham	1021.3	+2	NNW	3	bc	60	45	8	7	–	2	2-3	4-6	4000	1	*
Upper Heyford	1021.7	+4	SW	3	c	60	55	8	1	–	6	Tr	7-8	3100	0	*
Ross-on-Wye	1022.0	+6	NW'W	3	bc	62	55	8	1	4	9	1	2-3	4000	0	*
Hartland Point	1025.0	+4	W	4	c	54	85	8	2	4	–	1	9	2500	0	3
Bristol	1023.3	+6	W	4	bc	58	65	9	1	4	–	Tr	2-3	4000	0	*
Portland Bill	1022.9	+8	W	3	bc	55	92	8	2	–	–	4-6	4-6	4000	1	3
Plymouth	1025.3	+4	NNW	4	c	58	65	8	–	5	–	0	9	–	0	3
The Lizard	1025.6	0	WNW	3	c	54	92	8	8	6	–	7-8	7-8	3000	0	3
Scilly (St. Mary's)	1025.9	+4	WNW	3	c	56	85	8	8	7	3	7-8	9+	1500	0	3
Guernsey																
Pembroke	1024.3	0	WSW	1	c	52	97	8	4	2	1	2-3		3000	0	3
Holyhead	1022.3	-2	SSW	5	c	54	75	9	1	7	9	Tr	9+	3200		
Chester (Sealand)	1021.9	-2	NW'W	3	bc	60	45	8	4	7	9	Tr	4-6	3000	0	*
Manchester	1021.5	+4	W	4	c	58	65	8	1	9	8	4-6	7-8	3000	0	*
Spurn Head	1020.5	+6	SE'E	2	bc	52	65	7	5	7	–	1	2-3	4000	0	3
Catterick	1019.0	+2	NW'W	3	c	60	45	9	4	–	6	2-3	7-8	5000	0	
Tynemouth	1019.2	-2	S	4	c	52	65	7	2	3	–	4-6	7-8	2500	0	3
St. Abbs Head	1017.0	-2	NW	3	c	58	55	8	5	7	7	4-6	10	2500	0	2
Leuchars	1015.6	-6	W	4	c	63	45	9	4	7	8	4-6	9+	4000	0	*
Renfrew (Abbots I.)	1018.5	-2	WNW	3	c	58	55	9	7	7	6	2-3	7-8	2500	0	*
Eskdalemuir	1018.5	+4	W'N	3	c	57	55	8	7	4	6	2-3	7-8	2500	0	*
Point of Ayre																
Tiree	1016.0	-8	SW'S	4	roro	52	97	7	–	2	–	10	10	1500	1	4
Stornoway	1015.1	-10	SW	5	rr	51	92	7	5	2	–	7-8	10	1500	1	3
Dalwhinnie	*	0	SW	2	c	54	55	8	7	4	6	2-3	9	2500	0	*
Aberdeen	1016.1	-2	S	2	bc	56	55	7	7	–	6	2-3	4-6	3500	0	2
Wick	1015.4	-4	NW	3	c	54	65	9	5	4	6	4-6	9+	2500	0	*
Sumburgh	1013.4	-2	W'S	3	c	49	85	8	5	–	–	10	10	2500	*	*
Blacksod Point	1018.8	-16	SSW	4	c/r	56	85	7	5	–	–	10	10	1500	0	3
Malin Head	1018.1	-18	WSW	4	c	56	65	8	8	–	–	9	9	4000	0	2
Aldergrove	1020.3	-2	SW'W	3	c	57	65	9	5	7	–	Tr	10	3000	0	*
Birr Castle	1021.8	-4	SW	2	c	58	75	8	5	1	–	7-8	10	2500	0	*
Valentia Obsy. †	1023.2	-10	SW	4	c	57	85	7	5	2	–	7-8	10	800	0	3
Roches Point	1023.3	0	W'S	4	c	58	85	8	8	3	–	4-6	9	1500	1	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 13th (37)	Weather 13h.—18h. 13th (38)	Weather 18h. 13th to 1h. 14th (39)	Weather 1h.—7h. 14th (40)
London (Kew)	czoccy	cbccy	cybccw	cw
Croydon	cmocy	cy	bcybmo	bmowbcc
S. Farnborough	cbcy	ybccbc	bcybbc	cbcc
Boscombe Down	bbccy	cbcy	bcybc	ccbc
Thorney Island	bbccy	cy	cybcyb	bbcc ⊕
Lympne	bmobcc		cbmobcc	cmowbcm
Manston	bbczo	bczobbc	cbcmo	bbcc
Shoeburyness	bcmoc	c	c	b
Felixstowe	bmobcmocy	cyc		bc
Gorleston	bc	bccy	obc	bcc
Mildenhall	bcmowcbcy	bcyccy	cybcmo	bcmocmow
Cranwell	bcc	cbccy	cy ezocmo	bcmocimo
Birmingham	cbcc	cbc		bcc
Upper Heyford	ccy	cbcy	bcybcmo	cbccmo
Ross-on-Wye	bbcc	cybcy	bcyc	copoc
Hartland Point	bcc	cbcc	cbcc	cidc
Bristol	bccy	c,b	b,cbc	cw
Portland Bill	c	cbc	c	c
Plymouth	bcc	cybcycy	c	ccmo
The Lizard	c	c	cw	c
Scilly (St. Mary's)	c	c	c	cw
Guernsey				
Pembroke		bcc	c	dodmc
Holyhead	bcc ⊕	bbcc ⊕	cbwmoc	wmoc
Chester (Sealand)	cbcvc	cybcy	bcyc	cmoc
Manchester	mccy	cy	cbcc	cirom
Spurn Head	bc	bbc	bcb	oror
Catterick	bycy	bcy	bcybcc	iorc
Tynemouth	bcc	cbcc	c	cpmiro
St. Abbs Head	bcy	bccy	cro	cr
Leuchars	bccbcy	bcycy	ciroc	cmiro
Renfrew (Abbots I.)	b,cbcy	bcycy	ciroid	cmodor
Eskdalemuir	bcycy	cbccy	cycir	icrr
Point of Ayre	prc		bccror	rrc
Tiree	c	cdoro	orrd	odrr
Stornoway	cpro	cprorr	crrddo	cdd
Dalwhinnie	cy	cy	*	cpoc
Aberdeen	procy	cybcy	bccir	ciro
Wick	r	bc	r	r
Sumburgh	r	c	r	r
Blacksod Point	c	iroc	c	dd
Malin Head	bc	c	cpoc	
Aldergrove	ccy	cyc	croc,rcro	rcmodm
Birr Castle	c	c		c
Valentia Obsy. †	c	c	cmidddo	dodrcid
Roches Point	c	c	idoc	idoc

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

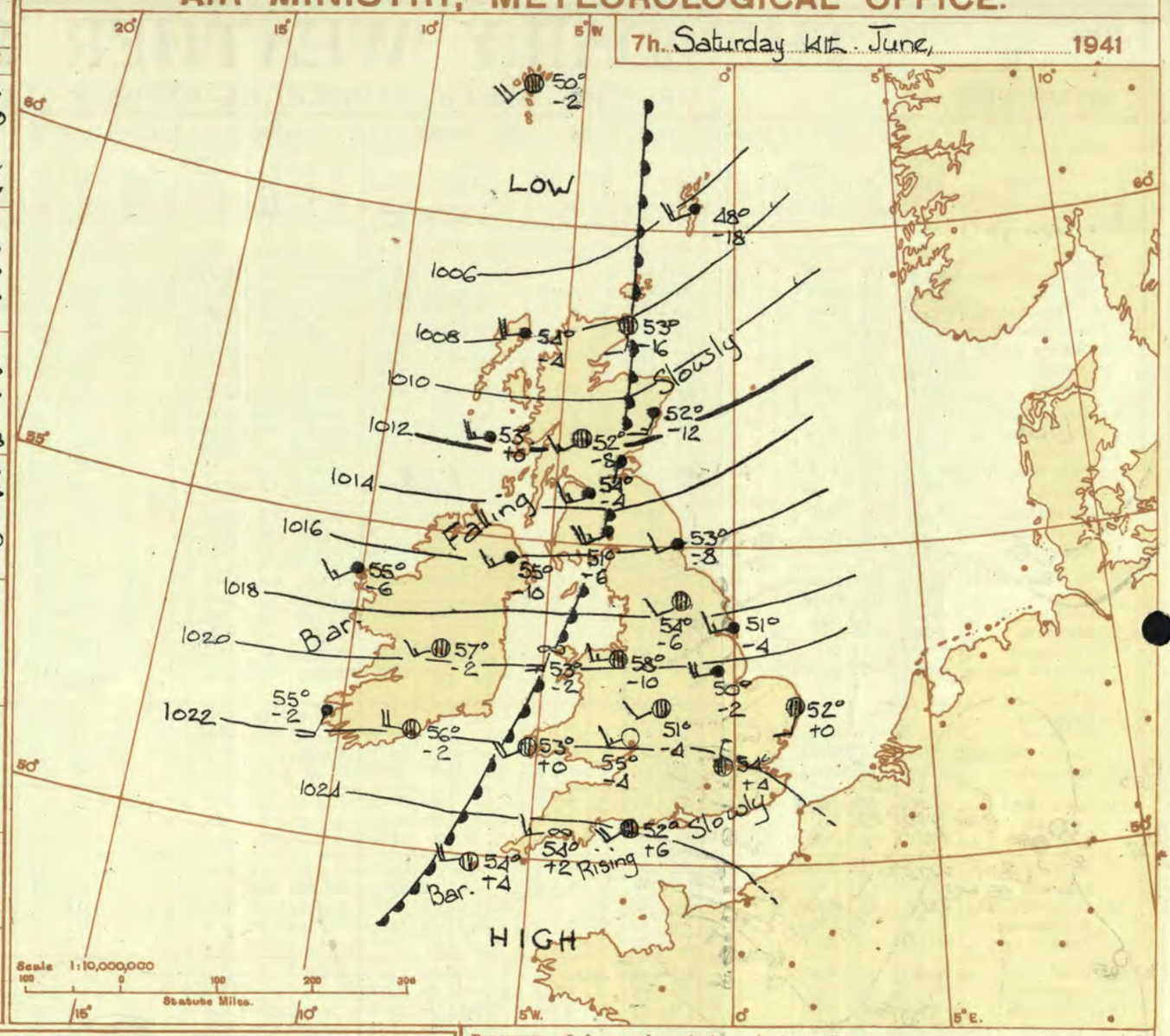
AVIATION WEATHER CODE

	13h. G.M.T. 13th. June			18h. G.M.T.			01h. G.M.T. 14th. June			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-	02877	27327	5-	02867	24327	52	22736	24288	52	02746	18328
115	84	02944	26425	52	02844	20427	52	81844	20487	--	67109	20589
203	5-	02547	20417	5-	62838	22318	6-	02738	20668			
206	8-	01764	26324	51	02963	24327	57	02865	53468	57	02955	00067
210	86	25965	23386	53	02963	28227	57	02865	15368	5-	22944	20367
220	23	01954	22314	62	04635	21568						
230	5-	02966	28226	52	02852	20318	5-	52528	14368	52	58616	21468
245	8-	02077	12227	5-	02974	06227	07	61890	22268	57	02765	18268
260				14	02961	24426	57	22856	18368	5-	62748	20468
277												
279	8-	02857	26327	72	02864	19425				6-	64528	19468
285	20	02856	26516							6-	62638	22668
288	5-	02757	04387	82	02864	20226	07	02790	18218	52	64646	16368
273												
301	26	02853	27416	10	01851	25414	07	02890	24426	62	61733	25468
321	7-	02764	30226	73	02764	27327	05	05590	20115	57	61646	22368
299				57	02755	26216	50	00752	20202	5-	64428	20368
292	7-	02967	27327	70	02964	23427	5-	02867	16227	62	64545	16268
310	--	01635	26415							--	44209	24549
316	7-	05657	26227	40	05662	26216	04	01690	00014	67	62534	32368
333	10	02952	26425	17	02961	18327	5-	02732	20427	5-	05638	18228
334	--	01854	26315									
340	80	02965	28415	15	01962	28214	53	01874	22215	5-	62848	20468
136	14	01962	01412	03	02890	02216	00	00790	00010	07	61690	18328
336	53	01763	24415	53	01763	28414				52	03753	24428
350	8-	05657	26227	70	01763	26315				57	62654	18228
368	10	02062	23425									
379	72	02856	28236	10	01863	30313	5-	02776	28126	5-	41518	20448
390	8-	02767	28317	83	02755	26227	54	05662	00013	57	05565	22218
382	70	02855	2415 *	10	01862	28314	03	02790	00015	52	61847	22328
438	7-	02757	18317							70	01764	24314
430	7-	02887	30427	80	01965	32115	07	05690	18114	03	02790	20228
409	5-	2834	25327	57	02845	25327	5-	05628	22328	52	05624	21368

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 14th. June, 1941



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 14th June
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate or fresh southwest wind. Cloudy; slight local drizzle: milder.
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 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh southwest wind, strong at times. Cloudy; rain at times: mild.

GENERAL INFERENCE.

Pressure is high from the Azores to France and depressions are moving east-northeast in the Icelandic region. Weather will be mainly cloudy with occasional rain, but amounts in the South will be slight.

FURTHER OUTLOOK.

Unsettled but little or no rain in the South of England.

Warm front
Cold front
Occlusion.

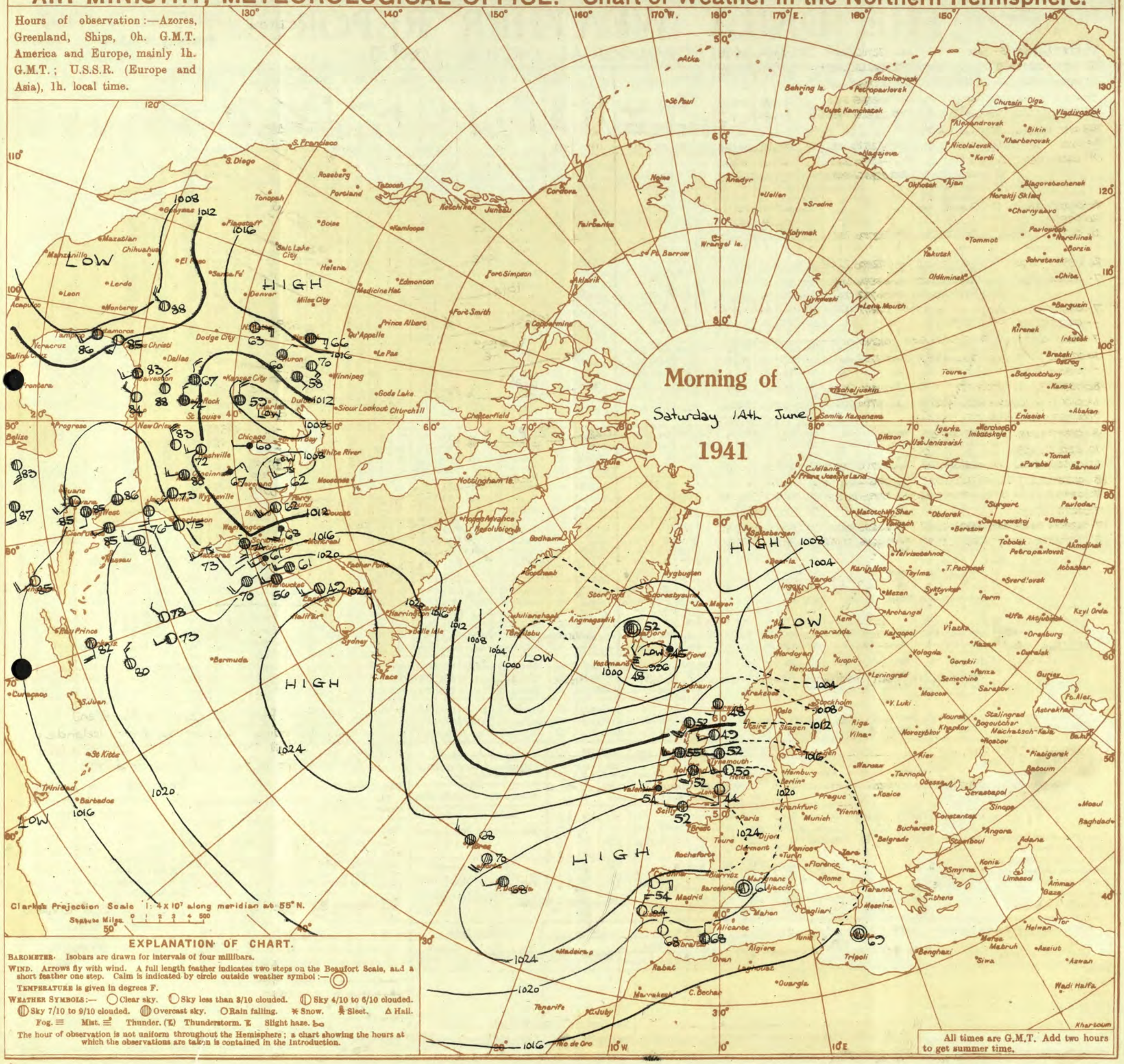
Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266. No. 0176. A. 6034. Gp. 948. 3300. 5/41

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 14th June 1941

No. 2959

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

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	1023.3	+6	SSE	1	z	44	92	6	5	-	-	Tr	Tr	3000
	S. Farnborough	226	1023.8	+4	W	1	bc	48	85	7	-	4	1	0	2-3	-
	Boscombe Down	417	1024.5	+2	W	2	c	48	85	8	-	7	-	0	7-8	-
	Thorney Island	10	1028.6	0	W	2	bc	48	85	7	5	3	-	Tr	2-3	4000
	Lympne ...	346	1023.7	+2	-	0	z	42	87	6	5	-	-	7-8	7-8	2500
	Manston ...	154	1023.3	0	SW'S	2	z	47	85	6	-	4	-	0	1	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15														
	Gorleston ...	5	1021.9	-2	SW	2	bc	48	85	6	5	-	-	4-6	4-6	1500
	Mildenhall ...	19	1022.3	+4	SW	2	z	46	85	6	-	7	1	0	2-3	-
	Cranwell ...	240	1022.0	-2	W	3	z	47	85	6	5	4	9	2-3	4-6	3000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1023.1	+2	W	1	c	46	85	7	-	5	-	0	7-8	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1024.0	-4	W	4	c	58	97	7	5	6	-	7-8	10	2500
	Bristol ...	209	1024.4	+2	W	3	bc	50	92	7	5	4	-	2-3	2-3	5000
	Portland Bill ...	32	1024.8	+6	W	3	c	51	92	8	5	-	-	7-8	7-8	4000
	Plymouth ..	82	1026.1	-2	W	3	c	53	92	7	5	7	-	2-3	10	3000
	The Lizard ...	240	1026.0	0	W	4	c	53	97	7	5	2	-	9	10	1500
	Scilly (St. Mary's)	163	1025.9	-2	W'S	3	c	52	92	6	5	5	-	4-6	7-8	1500
	Guernsey ...	175														
6	Pembroke ...	142	1023.3	-4	WSW	4	c	58	85	7	8	1	-	7-8	10	2500
7	Holyhead ...	26	1019.9	-14	S'W	4	z	52	97	6	5	-	-	10	10	3000
	Chester (Sealand)	16	1021.2	-6	WSW	3	c	53	75	7	-	7	-	0	9	-
8	Manchester ...	70	1021.3	-4	SW	1	c	50	85	7	-	9	-	0	9	-
10	Spurn Head ...	29	1020.5	+4	WSW	3	bc	50	75	7	-	4	-	0	2-3	-
	Catterick ...	175	1019.1	-10	S	2	c	52	75	7	5	7	-	7-8	9+	5300
	Tynemouth ...	108	1018.5	-8	W	2	c	52	75	6	8	-	-	9+	9+	2500
11	St. Abbs Head	280	1016.9	-6	W	3	fog	52	75	8	5	2	-	7-8	10	1500
	Leuchars ...	36	1015.1	-14	WSW	3	c/f	51	85	7	5	7	-	4-6	9	3500
12	Renfrew (Abbotsl.)	19	1016.0	-18	WSW	3	fog	51	92	6	5	2	-	7-8	10	700
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1018.3	-10	W'S	3	fog	54	97	8	5	7	-	2-3	10	2500
13A	Tiree	22	1018.7	-16	S	4	dd	58	97	6	2	2	2	10	10	1200
13B	Stornoway ...	80	1008.6	-22	SSW	5	c	52	97	6	5	7	-	7-8	7-8	1000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	~~19~~ 81	1012.2	-22	S'W	3	c/r	49	97	8	-	7	8	0	9+	-
16	~~Lerwick~~ Sumburgh.	~~3~~ ~~150~~ 30	1011.5	-16	SW	2	fog	47	97	8	5	-	-	10	10	2500
17	Blacksod Point	18	1016.8	-8	SW	5	c	55	97	7	5	-	-	10	10	1500
18	Malin Head ...	84	1014.6	-18	SW	5	c/pr	55	92	6	6	-	-	9	9	1500
	Aldergrove ...	268	1017.6	-12	SW'W	3	fog	54	92	6	5	-	-	10	10	1300
19	Birr Castle ...	173														
20	Valentia Obsy.	30	1022.0	-6	SW'W	3	dd	54	97	5	5	-	-	10	10	220
	Roches Point	22	1022.3	-10	WSW	3	c/d	56	97	8	5	-	-	9+	9+	800

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

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)	1023.6	+2	SW'W	2	c	53	80	7	5	7	-	9	10	2500	1	*
	Croydon ...	1023.5	+4	N'E	1	c	54	85	7	5	5	5	Tr	9+	2500	0	*
	S. Farnborough	1023.9	+2	WSW	3	c	53	85	8	1	7	8	Tr	9+	2000	1	*
	Boscombe Down	1024.4	0	W	3	c	51	92	7	5	-	-	10	10	2500	0	*
	Thorney Island	1024.3	+2	W'N	3	c	54	85	8	1	3	6	Tr	9	4000	0	
	Lympne ...	1023.7	0	W'N	2	c	52	85	7	-	5	5	0	9+	-	0	§
	Manston ...	1023.2	0	SW'W	2	z	56	75	6	-	3	1	0	9+	-	0	*
2	Shoeburyness ...	1023.1	+4	SW'S	3	c	53	85	6	5	4	-	7-8	9+	4000	0	*
	Felixstowe ...	1022.6	0	SW	3	z	53	75	5	-	7	-	0	9+	-	0	2
	Gorleston ...	1021.8	0	SSW	2	c	52	75	6	5	7	-	4-6	9+	2400	0	2
	Mildenhall ...	1021.8	-2	SW'S	3	z	54	85	6	-	7	-	0	10	-	0	*
	Cranwell ...	1020.9	-2	WSW	4	fog	50	92	6	5	7	-	4-6	10	4000	1	*
3	Birmingham ...	1021.5	-4	SW	2	c	54	85	7	5	2	-	9	9	1500	1	*
	Upper Heyford	1022.0	-2	SW	3	fog	51	92	6	5	2	-	7-8	10	3100	0	*
4	Ross-on-Wye	1022.0	-4	SW'W	3	c	55	85	6	5	-	-	10	10	1500	0	*
5	Hartland Point	1022.9	0	W	5	bc	53	97	6	5	2	-	7-8	10	400	1	4
	Bristol ...	1023.7	0	SSW	3	c	55	85	8	5	2	-	7-8	10	1000	0	*
	Portland Bill ...	1025.0	+6	SW	4	[illegible]	52	92	8	5	-	-	10	10	2500	1	3
	Plymouth ..	1025.9	+2	WSW	3	z	54	92	6	5	3	-	2-3	7-8	1000	0	3
	The Lizard ...	1025.6	+4	WSW	4	c	53	97	7	5	2	-	7-8	10	1600	0	3
	Scilly (St. Mary's)	1025.1	+4	W'S	4	c	54	92	7	5	-	-	10	10	1500	0	4
	Guernsey ...																
6	Pembroke ...	1022.2	0	SW	4	c	53	97	7	8	-	-	10	10	2000	1	3
7	Holyhead ...	1018.7	-2	SSW	4	z	53	97	5	5	-	-	10	10	800	1	3
	Chester (Sealand)	1018.8	-10	WSW	3	c	58	75	8	5	2	-	7-8	10	2600	0	*
8	Manchester ...	1019.2	-6	S	3	z	54	85	6	5	7	-	4-6	10	2500	1	*
10	Spurn Head ...	1018.7	-4	SW'W	3	fog	51	85	6	-	2	-	10	10	4000	1	3
	Catterick ...	1017.0	-6	SW	2	c/f	54	85	7	5	7	-	7-8	10	1200	1	*
	Tynemouth ...	1016.3	-8	SW	2	fog	53	92	4	-	2	-	10	10	1500	1	2
11	St. Abbs Head	1012.7	-6	SW	4	fog	53	92	8	5	2	-	7-8	10	2000	1	3
	Leuchars ...	1012.2	-8	WSW	4	fog	55	85	7	5	-	-	10	10	1500	0	*
12	Renfrew (Abbotsl.)	1013.9	-4	SW'W	3	rr	54	97	6	6	7	-	7-8	10	500	1	*
	Eskdalemuir ...	1014.6	-6	SW'W	5	rr	51	92	6	-	2	-	10	10	220	1	
	Point of Ayre...	1016.6	-10	WSW	5	c	56	97	8	8	2	-	9	10	1000	1	3
13A	Tiree	1010.5	0	WSW	5	dd	53	97	5	5	-	-	10	10	500	1	5
13B	Stornoway ...	1008.2	-4	WSW	4	dd	54	97	6	5	-	-	10	10	600	1	2
15	Dalwhinnie ...	1012.1	-8	SW	3	c	52	85	7	5	3	-	4-6	10	1500	1	*
	Aberdeen ...	1010.3	-12	SSW	3	fog	52	85	7	5	7	-	7-8	9+	3200	1	2
	Wick ...	1008.3	-16	SSW	2	c	53	85	8	5	7	8	4-6	9+	3000	0	*
16	~~Lerwick~~ Sumburgh.	1007.5	-18	SW	4	dr	~~48~~	92	5	5	-	-	10	10	400	*	*
17	Blacksod Point	1015.6	-6	SW	3	DD	55	97	5	6	-	-	10	10	450	1	3
18	Malin Head ...	1013.5	-2	W	4	c	55	92	8	8	-	-	7-8	7-8	2500	1	4
	Aldergrove ...	1016.4	-10	SW	3	dd	55	97	6	6	-	-	10	10	500	1	*
19	Birr Castle ...	1019.1	-2	SW	3	c	57	85	8	5	-	-	10	10	2500	0	*
20	Valentia Obsy.	1021.4	-2	SW'S	4	[illegible]	55	97	9	5	-	-	10	10	800	1	3
	Roches Point	1021.2	-2	W	4	c	56	85	8	5	-	5	7-8	9	1500	1	4

PAST 24 HOURS.

District	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 ~~12h.~~ Hrs. (36)
1	London (Kew)	62	46	35	-	-	7.6
	Croydon ...	61	43	41	-	-	4.7
	S. Farnborough	62	48	40	-	-	8.5
	Boscombe Down	63	45	39	-	-	9.0
	Thorney Island	64	49	42	-	-	
	Lympne ...	60	41	33	-	-	8.4
	Manston ...	59	44	40	-	-	11.3
2	Shoeburyness ...	62	47	34	-	-	8.9
	Felixstowe ...	62	48	42	-	-	7.1
	Gorleston ...	56	46	43	-	-	*
	Mildenhall ...	60	42	34	-	Tr	6.6
	Cranwell ...	60	45	41	-	0.1	6.8
3	Birmingham ...	61	48	42	*	-	6.3
	Upper Heyford	61	45		-	0.1	*
4	Ross-on-Wye	64	48	48	-	Tr	9.5
5	Hartland Point	59	52	50	-	Tr	8.0
	Bristol ...	63	50	44	-	-	8.8
	Portland Bill ...	56	47	*	-	-	*
	Plymouth ..	63	52	46	-	-	8.8
	The Lizard ...	60	51	*	-	-	5.3
	Scilly (St. Mary's)	62	52	*	-	-	4.3
	Guernsey ...						
6	Pembroke ...	56	51	*	-	0.4	2.0
7	Holyhead ...	60	50	48	-	-	9.7
	Chester (Sealand)	60	53	48	-	-	11.0
8	Manchester ...	60	47	38	-	0.2	9.7
10	Spurn Head ...	58	49	*	-	1	10.9
	Catterick ...	61	50	44	-	2	8.7
	Tynemouth ...	55	52	46	-	2	*
11	St. Abbs Head	59	49	*	-	1	*
	Leuchars ...	63	50	49	-	Tr	5.0
12	Renfrew (Abbotsl.)	63	50	48	-	5	7.9
	Eskdalemuir ...	61	47	46	-	4	10.9
	Point of Ayre...	63	53	*		5	9.3
13A	Tiree	59	52	*	0.1	7	5.9
13B	Stornoway ...	60	49	*	0.1	2	3.0
15	Dalwhinnie ...	60	45	44	-	1	6.7
	Aberdeen ...	60	48	44	Tr	0.1	5.5
	Wick ...	57	48	*	*	*	*
16	~~Lerwick~~ Sumburgh.	*	*	*	*	*	*
17	Blacksod Point	59	53	51	0.1	1	*
18	Malin Head ...	56	50	*	-	3	3.5
	Aldergrove ...	63	52	51	-	3	5.8
19	Birr Castle ...	61	55	54	-	Tr	0.9
20	Valentia Obsy.	60	54	54	-	0.5	1.9
	Roches Point	63	55	*	-	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 (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	czscy	cbccy	cybccw	62	46	35	-	-	7.6	*	*	8
Croydon	217	cmccy	cy	cybmdw	61	43	41	-	-	4.7	*	*	7
Greenwich (Royal Observatory)...	149	cy	cy	bcrbc	61	44	33	-	Tr	5.0	52	76	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	64	46	40	-			55	81	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	62	48	41	-	-		67	81	*
Camden Square	110	bc	bc	*	62	48	40	-	Tr	*	*	78	*
Kensington	80	cp	bc	*	63	46	36	0.5	-		70	84	*
Hampstead Observatory	450	bc	bcp	0	61	46	39	-	Tr		*	85	*

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.
0.1	17-24	<0.1	8-13h
	13th		13th

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

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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

Sunday 15th June, 1941

No. 29,060.

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

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)	1022·6	-8	SW'W	3	c	59	75	7	5	-	-	10	10	1500
	Croydon	1022·6	-6	W	2	c	58	75	7	5	-	-	10	10	2000
	S. Farnborough	1023·0	-10	SW	4	c	60	75	8	5	-	-	10	10	2200
	Boscombe Down	1023·7	-4	SW	4	c	58	85	7	5	2	-	9+	10	1200
	Thorney Island	1024·2	-2	SW	3	c	56	85	7	5			4-6	10	900
	Lympne	1023·9	-2	WSW	3	c	57	85	7	6	2	-	7-8	10	700
	Manston	1023·1	-6	SW'W	4	c	58	75	7	8	-	-	10	10	2500
2	Shoeburyness	1022·7	-6	SW'W	3	c	59	75	7	5	-	-	10	10	4000
	Felixstowe	1021·5	-10	WSW	4	c/r	58	85	6	5	7	-	4-6	10	1600
	Gorleston	1020·9	-6	SW'W	3	o/pr	56	85	6	5	-	-	10	10	1500
	Mildenhall	1020·1	-14	SW'W	5	c	59	85	7	5	2	-	7-8	10	2000
	Cranwell	1019·0	-10	W	5	c	60	75	7	8	-	-	9+	9+	1800
3	Birmingham	1020·0	-2	SW	3	c	60	65	8	8	7	-	9	9+	2500
	Upper Heyford	1021·5	-10	SW	5	c	59	75	8	5	-	-	9+	9+	1200
4	Ross-on-Wye	1021·5	0	WSW	4	c	60	75	7	5	3	-	9	9+	2500
5	Hartland Point	1023·4	0	WSW	5	c/d	53	92	6	5	2	-	7-8	10	600
	Bristol	1023·3	-6	W'S	4	c	57	85	8	5	3	-	7-8	9+	900
	Portland Bill	1025·1	+4	WSW	4	c	52	92	8	5	7	-	7-8	10	2500
	Plymouth	1025·9	-2	W	5	o/d	56	92	8	5	-	-	10	10	300
	The Lizard	1026·0	+6	WSW	5	c	57	92	8	5	-	-	10	10	1500
	Scilly (St. Mary's)	1025·2	-2	W	4	c/pr	58	92	8	8	4	9	4-6	9	800
	Guernsey														
6	Pembroke	1023·4	0	WSW	4	c	55	97	7	8	7	-	7-8	10	2500
7	Holyhead	1018·6	-2	S'W	4	c	56	92	7	5	2	-	9	10	2000
	Chester (Sealand)	1018·4	-12	SW'W	3	c	62	65	9	5	4	2	7-8	10	1600
8	Manchester	1018·4	-8	WSW	4	c	61	75	7	7	7	-	7-8	10	1800
10	Spurn Head	1017·7	-8	WSW	4	c	59	85	5	8	2	-	7-8	9	1500
	Catterick	1015·9	-6	W	4	c	59	75	8	5	-	-	7-8	9+	2860
	Tynemouth	1015·1	-6	W	4	c	61	85	6	8	-	-	9	9	1500
11	St. Abbs Head	1011·6	-8	W	3	c	63	65	9	5	7	-	4-6	9	1500
	Leuchars	1010·5	-8	WSW	5	bc	63	75	9	2	7	9	1	4-6	2200
12	Renfrew (Abbots I.)	1013·1	-6	SW	3	z_o	57	92	6	6	2	-	9+	10	500
	Eskdalemuir	1014·0	-2	SW'W	4	o/d	55	92	6	5	-	-	10	10	450
	Point of Ayre	1015·8	-8	W'S	6	c	60	75	8	4	7	3	2-3	9+	2000
13A	Tiree	1009·6	-6	WSW	4	id_o	56	97	6	5	-	-	10	10	600
13B	Stornoway	1007·0	0	WSW	6	id_o	58	85	7	5	7	-	7-8	9	1000
15	Dalwhinnie	1009·5	-4	SW	3	c	60	75	8	5	4	-	4-6	7-8	1500
	Aberdeen	1008·5	-8	S	2	c/r	62	85	6	9	7	-	Tr	9+	2100
	Wick	1006·9	-6	W	2	ir_o	60	85	9	5	2	-	9	9+	1400
16	~~Lerwick~~ Sumburgh	1005·7	-6	SW	3	dodo	50	55	4	·	2	-	10	10	<150
17	Blacksod Point	1014·6	-6	SW	5	DD	57	97	5	6	-	-	10	10	450
18	Malin Head	1012·8	-8	W	4	id	58	92	8	9	-	-	9	9	800
	Aldergrove	1014·9	-12	SW	4	c	60	85	8	5	-	-	10	10	1200
19	Birr Castle	1018·1	-8	SW	3	c/r	63	85	8	6	2	-	4-6	10	1500
20	Valentia Obsy. †	1020·9	-2	SW	5	z_o	58	97	6	5	-	-	10	10	450
	Roches Point	1021·2	-2	W'S	4	c/d	59	92	8	5	-	-	9+	9+	800

OBSERVATIONS at 18h. G.M.T. 14th June. — 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. 14th (37)	Weather 13h.–18h. 14th (38)	Weather 18h. 14th to 1h. 15th (39)	Weather 1h.–7h. 15th (40)
London (Kew)	1020·8	-10	WSW	4	c	60	75	7	5	7	6	4-6	9+	1500	1	*	cir_oc	c	c	c
Croydon	1021·2	-10	WSW	3	c	59	85	7	5	-	-	10	10	2800	0	*	cir_o	c	c	cid_o
S. Farnborough	1021·7	-8	SW	4	c	59	80	8	5	7	-	9	9+	1800	1	*	cir_oc	c	c	oc
Boscombe Down	1022·5	-4	SW'W	3	c	58	85	7	5	-	-	10	10	1200	0	*	c	c	c	cm_o
Thorney Island	1022·9	-10	WSW	3	c	56	85	7	5	1	-	7-8	10	800	0		c	c	om_o	om_ooid_o
Lympne	1022·3	-4	WSW	4	c, z	55	92	6	6	2	-	9	10	800	0	§	cir_o.	cm_o	cm_o	cm_oom_omf
Manston	1021·2	-8	SW	4	z	57	85	6	5	3	-	7-8	9+	1200	0	*	cz_ocir_o	c	ir_ocm_o	cm_o
Shoeburyness	1020·5	-12	SW'W	4	c	61	75	7	5	-	-	9+	9+	4000	0	*	cm_oir_oc	c	cm_o	cm_o
Felixstowe	1019·7	-12	SW	4	z	60	75	6	5	-	-	10	10	2500	1	4	$cz_oir_ocm_o$	cm_o	cm_ooc	
Gorleston	1018·6	-10	WSW	3	c	60	85	6	4	-	-	9+	9+	1500	1	2	$copr_o$	c	c	c
Mildenhall	1018·5	-10	SW'W	5	c	62	75	8	5	7	-	7-8	9+	2500	0	*	cm_oibc	c	c	c
Cranwell	1017·9	-6	WSW	4	c	63	75	7	5	7	-	7-8	10	1500	1	*	cir_om_oc	c	c	c
Birmingham	1019·0	0	WSW	3	c	58	75	8	5	-	-	10	10	1500	1	*	c	c		bc
Upper Heyford	1020·6	-2	SW	4	c	57	85	8	5	-	-	10	10	1000	0	*	$cr_om_or_oc$	c	c	c
Ross-on-Wye	1020·6	-6	W'S	4	c	58	85	8	5	7	-	9+	10	1500	0	*	c	ccqc	cqc	cbcc
Hartland Point	1022·5	-6	SW	4	o/d	53	97	6	5	-	-	10	10	800	0	4	cidc	$coid_o$	oir_or_oFF	FFb
Bristol	1022·5	-6	W	5	c	57	85	8	5	-	-	10	10	3000	0	*	$cwd_od_om_oc$	c	$cd_od_oddidm_o$	$od_od_om_oc$
Portland Bill	1023·5	-6	SW	5	o	52	92	7	5	-	-	10	10	1500	1	4	c	co	o	offc
Plymouth	1024·7	-6	WSW	6	c	55	92	8	5	-	-	10	10	300	0	3	$ccidom_o$	c	$cod_od_om_oomw$	ofd_od_oc
The Lizard	1025·2	-6	W'S	5	o/d	55	92	8	5	-	-	10	10	1500	0	3	cpr_oo	cidc	dFFF	FFfd
Scilly (St. Mary's)	1025·0	-4	W'S	4	of+	55	97	3	5	-	-	10	10	500	1	4	cd_ocp_o	cidf	oiffe	FFe
Guernsey																				
Pembroke	1021·2		WSW	6	d_od_o	53	97	6	5	-	-	10	10	400	1	4	cm_o	$od_od_om_o$	FeFe	c
Holyhead	1016·8	-10	SSW	5	c	56	92	7	5	4	9	4-6	7-8	3000	1	3	moc	c	ir_omqcw	
Chester (Sealand)	1017·2	-6	SW'W	4	c	61	75	8	5	7	1	7-8	9	3500	0	*	c	cq	cz_oqbcm_oo	$bccm_oc$
Manchester	1017·3	-6	WSW	5	ir_o	61	75	6	5	7	-	9	10	1800	1	*	cm_oibid	r	$r_od_od_oc$	$qcid_o$
Spurn Head	1016·0	-2	WSW	3	c	61	75	6	5	1	-	9	10	2500	0	3	c	cm_oo	om	c
Catterick	1013·7	-12	W	5	c	60	75	6	5	7	-	4-6	9+	2500	1		$ccir_oc$	cpr_oc	$ccid_oc$	bcc
Tynemouth	1014·2	-4	W	3	c	60	85	6	8	-	-	9+	9+	2500	1	2	or_or_omc	c	c	bc
St. Abbs Head	1010·3	0	W	4	c	62	65	9	8	4	-	4-6	7-8	1500	1	2	rc	qc	cbcc	c
Leuchars	1008·4	-10	W	7	c	62	75	7	6	7	-	4-6	7-8	1800	0	*	cir_orrcbc	bccbcc	cpr_oir_o	cbc
Renfrew (Abbots I.)	1010·4	-18	WSW	4	d_od_o	58	92	6	6		-	10	10	600	1	*	$crrd_od_om_oc$	crd_om_o		cid_ocpr_o
Eskdalemuir	1012·2	-12	SW'W	4	r_or_o	55	97	5	-	2	-	10	10	220	1	*	$ircid_o$	$d_od_or_o$	or_or_oc	cr_or_o
Point of Ayre	1014·0	-8	WSW	5	c	63	92	8	8	7	-	Tr	10	1500	0	3	cpreq	c	c	cpr_o
Tiree	1008·5	0	W'S	5	c	55	97	7	5	-	-	7-8	7-8	1500	1	6	oid_o	od_ord	cidr	cidrcid
Stornoway	1004·6	-20	W	6	d_od_o	55	92	7	5	7	-	7-8	10	800	1	4	$cd_od_opr_oq$	cd_od_o	cd_od_o	cd_od_o
Dalwhinnie	1007·7	-20	SW	3	DD	52	97	5	5	-	-	10	10	800	1	*	oid_oc	cido	*	oidc
Aberdeen	1006·4	-8	SW'W	2	c/r	65	65	8	1	7	-	Tr	7-8	2100	1	2	cr_obc	bccfr	cir_oqb	bbcc
Wick	1004·3	-18	SSW	2	c/r	59	85	9	5	7	-	7-8	9+	1800			r	r		
Sumburgh	1003·7	-14	SSW	3	dr	50	97	4	5	-	-	10	10	100		*	d	r		
Blacksod Point	1015·1	+4	WSW	5	c/d	57	92	7	1	5	4	4-6	9	1500	1	3	dd	id_oc	c	c
Malin Head	1011·6	-4	W	6	c/pr	56	92	6	9	-	-	9+	9+	1500	0	3	cidc	cpr_oc	c	cd_odc
Aldergrove	1013·4	0	SW	5	d_od_o	60	92	6	5	-	-	10	10	900	1	*	$d_od_omd_or_o$	$cir_od_od_om_o$	$d_od_occid_o$	$id_od_od_oc$
Birr Castle	1017·8	+4	WSW	3	id	59	97	7	5	-	-	10	10	2500	0	*	cir_o	cid	c	c
Valentia Obsy. †	1020·9	0	WSW	4	o/d	58	97	6	5	-	-	10	10	<150	1	4	$idiDm_o$	$ir_od_od_oo$	oid_om_o	bcwcwc
Roches Point	1020·1	-6	WSW	4	c	58	92	8	5	-	-	9+	9+	1500	1	4	idoc	c	cwbcw	bcw

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.

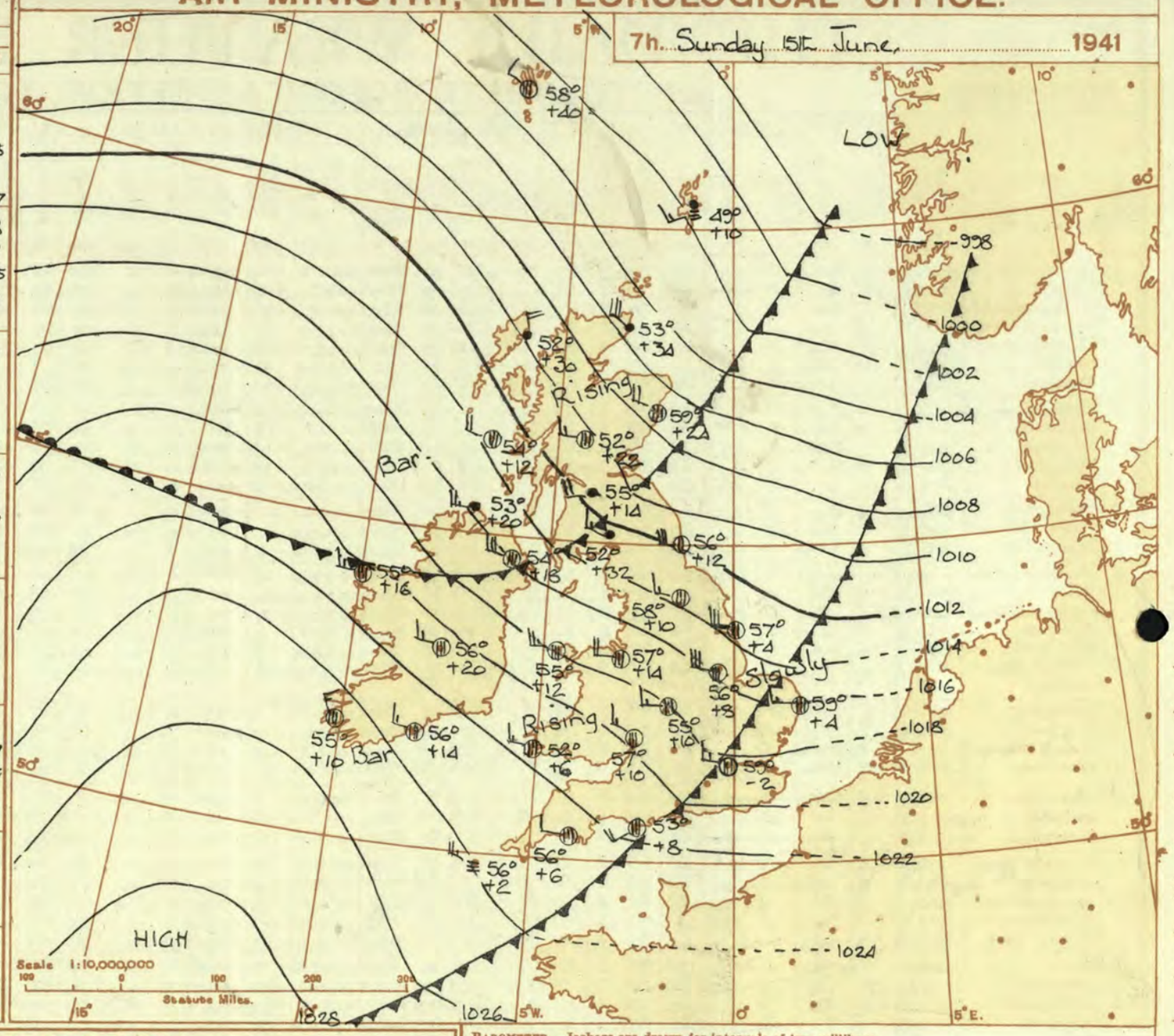
NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

AIR MINISTRY, METEOROLOGICAL OFFICE.

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 14th June. $C_L C_M$	wwVhN$_h$	DDFWN	18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 15th June. $C_L C_M$	wwVhN$_h$	DDFWN	07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN
109	53	21835	23556	5-	62847	23357	5-	52638	55658	5-	52528	59658
115	--	67109	20569	--	67109	20569	--	67109	20569			
203										5-	03838	22528
206	57	22865	23367	87	25846	24387	5-	61858	55468			
210	57	02066	22328	57	61865	20467	5-	02867	20167	5-	02057	22467
220	5-	51418	25458	52	21326	25458				52	03736	28428
230	5-	58518	20468	5-	54518	53568	5-	62637	53667	5-	21747	26357
245	59	02053	22468	70	01054	22465	5-	61745	55628	5-	01055	24365
260	57	02855	28567	12	62845	22468	57	02855	24518	5-	01244	26554
277												
279	5-	21638	19558	5-	52638	10758				5-	21735	57655
285	6-	59538	24658									
288				57	25754	21387	87	02853	55426			
273												
301	52	02746	24568	5-	53648	24558	53	05653	57613	5-	02768	57528
321	57	05655	23327	57	22745	22367	5-	05535	26228	51	02756	24426
299	5-	05545	22467	57	65644	23516	5-	05547	20327	5-	02846	24416
292	62	02846	24468	57	20745	20468	5-	21758	22458	56	02845	58555
310												
316	57	02645	20326	53	02733	20427	57	05644	54527			
333	5-	02745	20426	5-	03408	21428	56	01753	22544	5-	02858	26418
334	--	52637	22558									
340	53	01944	55525				57	01844	24465	5-	02857	25327
136	52	22638	19468	53	05654	20517	53	05646	22518	73	02854	24626
336	51	02763	20428	52	61653	24428						
350	51	02745	22568	5-	02758	53428	5-	05648	22428	57	02844	26325
368										5-	02747	24427
379				5-	02738	20428	5-	05638	22528	50	02846	22427
390	5-	05646	56465	5-	05656	55426	5-	05647	24428	53	02735	17058
382	52	02847	22528	5-	02848	56428	5-	02738	23428	55	02852	24427
438	5-	05418	24548							02	57009	24450
430	5-	02738	22428	5-	05638	22428	5-	05638	22428	5-	57009	24450
409	5-	21818	21558	5-	02648	20558	5-	57108	53368	5-	42518	28358

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 15th June
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Moderate to fresh west to northwest wind; mainly cloudy but bright periods; rather mild.
5 S.W. England 6 South Wales ...	Moderate or fresh west to northwest wind; cloudy, coastal fog at first; moderate 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 west to northwest wind; cloudy, bright intervals later in East; slight local drizzle in West; moderate temperature.
13 A. W. Scotld. / B. N.W. Scotland.	Moderate or fresh northwest to west wind; cloudy, occasional rain or drizzle, moderate temperature.
14 Mid Scotland	As 7-13A
15 N. E. Scotland	As 13 B
16 Orkneys and Shetlands	Moderate northwest wind backing west, cloudy, occasional drizzle on coast; moderate temperature.
17 N. W. Ireland 18 N. E. Ireland	
19 S. E. Ireland 20 S. W. Ireland As 17	Moderate northwest to west wind; mainly cloudy but some bright intervals; moderate temperature.

GENERAL INFERENCE.

A depression over Southern Norway is moving east-southeast, and very feeble troughs of low pressure are crossing the British Isles. A wedge of high pressure westwards of Ireland will build up and spread eastwards. There will be rain at times in North Scotland. Elsewhere weather will be mostly dry with much cloud but bright periods will occur in the East and South.

FURTHER OUTLOOK.

Mainly dry but considerable cloud; bright periods in the East and South.

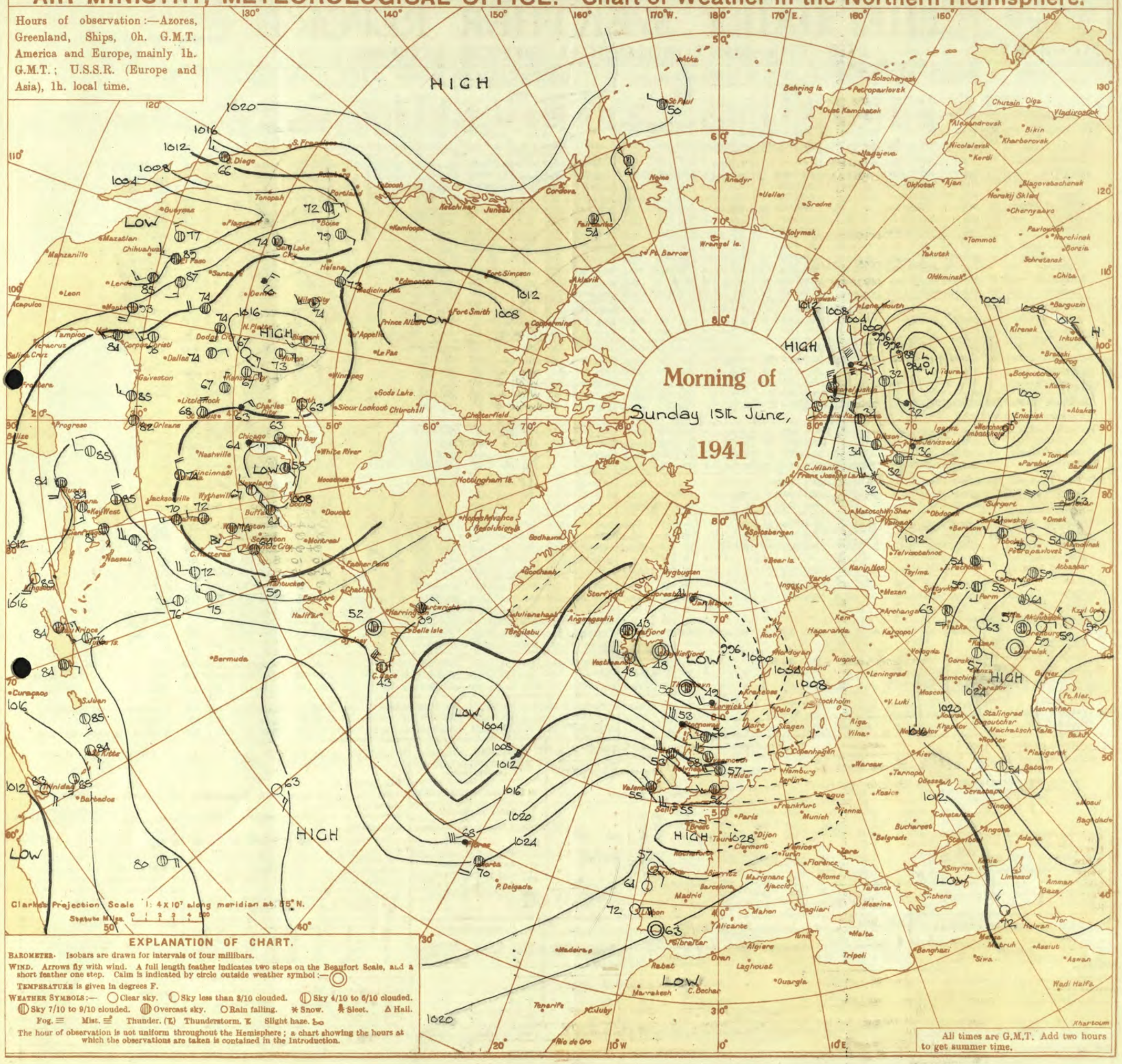
Warm Front
Cold Front
Occlusion

Forecasts issued at 10.30 a.m.

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266. No. 8176. D. 6034. Gp. 948. 9300. 5/41

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 15th June 1941

No. 29,060

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

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	1019·7	−10	SW	3	c	56	85	7	5	–	2	4–6	9	2100
	S. Farnborough	226	1019·8	−14	SW'W	4	c	56	85	7	5	–	–	10	10	900
	Boscombe Down	417	1020·5	−16	SW	4	c	55	92	7	5	–	–	10	10	800
	Thorney Island	10	1021·1	−12	WSW	4	z_0	55	92	6	5	–	–	10	10	700
	Lympne ...	346	1020·7	−8	SW	4	z_0	54	97	5	5	–	–	10	10	200
	Manston ...	154	1019·1	−14	WSW	3	z_0	55	92	6	5	–	–	10	10	1200
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1017·6	−14	WSW	3	c	57	85	7	5	–	–	9+	10	1700
	Gorleston ...	5	1016·9	−12	WSW	2	c	58	85	6	5	–	–	9+	9+	1500
	Mildenhall ...	19	1016·8	−10	SW	4	c	57	85	7	5	2	–	7–8	10	1400
	Cranwell ...	240	1016·2	−10	W'N	5	c	57	85	7	5	–	–	10	10	2000
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1018·2	−10	SW'S	3	c	56	97	7	5	–	–	10	10	1000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1020·8	−8	WSW	5	F	54	97	1	–	–	–	10	10	<150
	Bristol ...	209	1020·9	−14	SSW	5	id_0	56	97	5	–	2	–	10	10	600
	Portland Bill ...	32	1021·3	−10	W	5	0	50	92	7	5	–	–	10	10	1500
	Plymouth ..	82	1023·8	−6	WSW	4	$^{3}/d$	54	97	4	5	–	–	10	10	200
	The Lizard ...	240	1024·0	−6	W	5	df	54	97	2	5	–	–	10	10	400
	Scilly (St. Mary's)	163	1023·7	−4	W'N	5	F+	55	97	1	–	–	–	10	10	<150
	Guernsey ...	175														
6	Pembroke ...	142	1019·8	−12	W	6	F+	53	97	1	–	–	–	10	10	<150
7	Holyhead ...	26	1016·4	+2	W'S	6	cq	55	85	8	7	7	9	4–6	9	4000
	Chester (Sealand)	16	1015·8	−2	WSW	2	z_0	56	85	6	5	4	6	2–3	7–8	1800
8	Manchester ...	70	1015·8	−4	SW'S	3	c	57	92	7	5	–	–	9+	9+	2000
10	Spurn Head ...	29	1013·5	−8	SW'W	3	c	57	85	6	8	–	–	10	10	1500
	Catterick ...	175	1012·3	−6	W'S	3	c	57	85	7	5	9	–	7–8	7–8	1200
	Tynemouth ...	108	1011·6	−4	NW	4	c	58	85	6	8	–	–	7–8	7–8	2500
11	St. Abbs Head	280	1008·2	−4	W	5	c	54	95	8	5	7	–	7–8	9	1500
	Leuchars ...	36	1006·2	−6	WSW	5	ir_0	55	95	8	5	–	–	9+	9+	1500
12	Renfrew (Abbots I.)	19	1009·6	−6	WSW	6	id_0	54	85	7	5	–	–	10	10	1200
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1013·5	+4	W'N	5	c	53	92	8	9	–	–	9+	9+	2000
13A	Tiree	22	1007·5	0*	W'S	5*	c*	52	97	7	5	–	–	9+	9+	1500
13B	Stornoway ...	80	1002·8	−6	WNW	6	d_0d_0	53	92	6	5	–	–	10	10	1000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	~~49~~ 41	1002·5	−6	SW	4	ir_0	53	85	7	5	2	–	7–8	9+	800
16	~~Lerwick~~ Sumburgh ...	~~156~~ 30														
17	Blacksod Point	18	1017·3	+8	W	5	c	54	92	7	–	7	–	0	10	–
18	Malin Head ...	84	1011·6	+2	W	6	c	53	85	7	5	–	–	9+	9+	800
	Aldergrove ...	268	1014·5	+6	W'S	4	id_0	54	85	7	5	–	–	10	10	2000
19	Birr Castle ...	173	1018·8	+6	WNW	2	c	56	95	8	5	1	–	7–8	10	2500
20	Valentia Obsy.	30	1022·6	+8	NW'N	2	z_0	55	97	6	5	–	–	10	10	800
	Roches Point	22	1021·0	+6	W	3	bc	56	97	8	5	–	–	2–3	2–3	2500

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

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)	1018·5	0	W	3	c	60	75	8	5	9	–	4–6	9+	1500	1	*
	Croydon ...	1018·5	−2	WNW	3	c/d	59	85	8	5	3	–	4–6	9+	700	0	*
	S. Farnborough	1019·2	+2	W'S	4	c	59	85	8	8	5	6	7–8	9+	1200	1	*
	Boscombe Down	1020·1	+2	W	4	c	57	85	8	5	–	8	2–3	7–8	600	0	
	Thorney Island	1020·0	0	W'S	4	id_0	56	92	7	5	–	–	7–8	10	450	0	
	Lympne ...	1019·6	+2	W	3	df_0	55	97	3	–	–	–	10	10	<150	0	§
	Manston ...	1018·4	+4	WSW	3	id_0	57	92	6	5	–	–	10	10	800	0	*
2	Shoeburyness ...	1017·9	+4	SW'W	3	$^{9}/d$	59	85	6	5	–	–	10	10	1500	0	*
	Felixstowe ...	1017·4	+6	W'N	4	c	60	85	8	5	7	–	4–6	9+	2000	1	3
	Gorleston ...	1015·8	+4	W	3	c	59	85	7	8	–	–	9+	9+	1800	1	3
	Mildenhall ...	1016·5	+6	W	4	c	59	85	8	7	7	–	2–3	9	1500	0	*
	Cranwell ...	1016·3	+8	WNW	6	c	56	75	8	5	–	–	10	10	1400	0	*
3	Birmingham ...	1018·3	+10	W	3	c	55	75	8	8	–	6	7–8	9	2500	1	*
	Upper Heyford	1018·2	+4	WNW	4	c	57	85	8	5	5	–	7–8	9+	1000	0	*
4	Ross-on-Wye	1019·4	+10	NW'W	3	c	57	75	8	5	–	2	7–8	9	2500	0	*
5	Hartland Point	1022·8	+20	W'S	4	c/f	53	97	4	5	4	1	4–6	7–8	<150	1	4
	Bristol ...	1020·8	+6	WSW	4	c	56	92	8	5	3	–	9	9+	700	1	*
	Portland Bill ...	1021·4	+8	SW	4	c	53	92	7	5	7	–	10	10	2500	1	4
	Plymouth ..	1023·1	+6	W'N	2	c	56	97	7	5	–	–	9+	9+	1200	1	2
	The Lizard ...	1023·9	+8	W'N	4	df	54	97	2	5	–	–	10	10	400	1	2
	Scilly (St. Mary's)	1023·4	+2	NW'W	5	f	56	97	2	–	–	–	10	10	<150	1	4
	Guernsey ...																
6	Pembroke ...	1021·6	+6	W'N	3	c	52	97	8	7	3	–	2–3	7–8	3000	1	3
7	Holyhead ...	1017·9	+12	W	5	cq	55	85	8	5	–	–	9+	9+	3000	1	4
	Chester (Sealand)	1017·7	+14	W	4	c/r	57	75	9	5	–	–	10	10	1000	0	*
8	Manchester ...	1016·7	+10	W'S	5	id_0	55	85	7	5	–	–	4–6	10	1500	1	*
10	Spurn Head ...	1013·6	+4	W'N	6	c	57	75	7	8	–	–	7–8	7–8	2500	0	4
	Catterick ...	1013·4	+12	W'N	3	c	58	65	9	5	–	9	7–8	9	3200	0	*
	Tynemouth ...	1011·8	+12	W	6	bc	56	75	7	2	3	–	4–6	4–6	2500	1	3
11	St. Abbs Head	1008·7	+8	W	5	bcq	57	85	9	4	4	–	4–6	4–6	2000	0	3
	Leuchars ...	1008·1	+18	NW	6	c	60	65	9	5	–	–	9	9	3500	0	*
12	Renfrew (Abbots I.)	1011·3	+14	W'S	4	pr	55	85	6	8	–	–	9+	9+	1200	1	*
	Eskdalemuir ...	1012·9	+32	W'N	3	r_0r_0	52	85	7	6	–	–	10	10	800	1	*
	Point of Ayre...	1015·8	+12	NW'W	6	pr	54	97	7	6	2	–	4–6	10	800	1	4
13A	Tiree	1012·0	+12	WNW	4	c	54	92	7	5	–	–	9	9	1500	1	5
13B	Stornoway ...	1009·4	+30	NNW	4	d_0d_0	52	92	5	5	5	–	7–8	9	900	1	2
15	Dalwhinnie ...	1010·2	+22	W	3	c	52	85	8	5	–	2	4–6	7–8	1500	1	*
	Aberdeen ...	1006·7	+24	WNW	4	c	59	65	8	8	7	–	7–8	7–8	2100	0	2
	Wick ...	1005·9	+34	NW'W	5	id_0	53	92	6	5	–	–	9+	9+	700	1	*
16	~~Lerwick~~ Sumburgh ...	1001·6	+10	SW	3	df_0	49	97	3	5	–	–	10	10	200	*	*
17	Blacksod Point	1020·7	+16	W	3	c	59	85	7	5	–	–	10	10	2500	0	2
18	Malin Head ...	1018·4	+20	W	5	d_0d_0	53	85	5	8	–	–	9+	9+	800	0	4
	Aldergrove ...	1016·3	+18	W'N	6	c	54	85	8	5	–	–	9	9	1600	1	*
19	Birr Castle ...	1021·5	+20	WNW	2	c	56	85	8	5	1	–	7–8	10	2500	0	*
20	Valentia Obsy.	1024·3	+10	NW'N	3	c	55	85	8	5	–	–	10	10	2500	1	2
	Roches Point	1022·8	+14	W'N	3	c	56	85	8	5	–	–	9	9	2600	1	3

PAST 24 HOURS.

District	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 24th Hrs. (36)
1	London (Kew)	63	56	56	Tr	–	0·6
	Croydon ...	62	55	53	Tr	Tr	0·4
	S. Farnborough	61	55	54	Tr	–	0·1
	Boscombe Down	59	54	53	–	–	0·0
	Thorney Island	58	54	51	–	Tr	*
	Lympne ...	58	52	52	Tr	Tr	1·8
	Manston ...	59	54	54	0·1	Tr	1·9
2	Shoeburyness ...	61	57	55	Tr	Tr	1·1
	Felixstowe ...	62	56	54	0·2	–	0·7
	Gorleston ...	60	56	54	–	–	*
	Mildenhall ...	63	56	52	–	–	0·[illegible]
	Cranwell ...	66	55	55	–	–	1·1
3	Birmingham ...	65	55	52	*	–	1·4
	Upper Heyford	61	53	48	0·1	Tr	*
4	Ross-on-Wye	63	55	51	–	–	1·4
5	Hartland Point	55	53	53	Tr	12	0·5
	Bristol ...	61	54	54	Tr	1	0·3
	Portland Bill ...	53	49	*	–	–	*
	Plymouth ..	56	54	54	Tr	0·5	0·1
	The Lizard ...	57	53	*	Tr	0·5	1·6
	Scilly (St. Mary's)	59	54	*	Tr	0·2	2·2
	Guernsey ...						
6	Pembroke ...	56	51	*	0·4	–	0·3
7	Holyhead ...	59	52	50	–	Tr	1·6
	Chester (Sealand)	58	56	48	–	Tr	2·2
8	Manchester ...	64	54	52	0·1	1	0·0
10	Spurn Head ...	63	50	*	5	–	1·0
	Catterick ...	61	54	50	Tr	Tr	1·2
	Tynemouth ...	63	55	50	4	–	*
11	St. Abbs Head	68	64	*	3	1	*
	Leuchars ...	68	55	53	2	Tr	3·1
12	Renfrew (Abbots I.)	58	52	51		0·3	0·0
	Eskdalemuir ...	57	51	48		3	0·0
	Point of Ayre...	65	52	*	0·1	Tr	1·6
13A	Tiree	56	52	*	0·4	1	0·0
13B	Stornoway ...	59	47	*	1	1	0·1
15	Dalwhinnie ...	63	52	46		2	3·9
	Aberdeen ...	72	54	48	1	Tr	3·9
	Wick ...	*	49	29	*	*	*
16	~~Lerwick~~ Sumburgh ...	*	*	*	*	*	*
17	Blacksod Point	58	53	*	0·8	–	*
18	Malin Head ...	59	51	*	1	1	3·5
	Aldergrove ...	64	52	51	0·2	Tr	0·3
19	Birr Castle ...	64	54	52	0·4	0·2	0·1
20	Valentia Obsy.	59	53	49	1	0·1	0·0
	Roches Point	61	54	*	0·4	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	cir_0c	c	c	63	56	56	–	–	0·6	*	*	8
Croydon	217	cir_0	c	cid_0	62	55	53	Tr	Tr	0·4	*	*	7
Greenwich (Royal Observatory)...	149	c	c	c	62	56	54	–	–	0·2	76	68	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	63	56	55	Tr		–	77	75	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*									*
Camden Square	110	c	c	*	63	56	55	–	–	*	*	69	*
Kensington	80	c	c	*	64	58	55*	–	–		75	75	*
Hampstead Observatory	450	c	bc	bc	62	53	52	–	–		*	73	*

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

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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.

SECRET

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 16th June 1941

No. 29,061.

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

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)...	1020.3	+6	W'N	4	c	66	55	8	7	3	-	7-8	7-8	2500
	Croydon ...	1020.3	+12	NW	3	c	65	65	8	5	4	2	7-8	7-8	2500
	S. Farnborough	1020.7	+6	NW'N	4	bc	67	55	8	1	3	9	4-6	4-6	3500
	Boscombe Down	1021.6	+6	WNW	4	c	65	65	7	5	-	-	7-8	7-8	2000
	Thorney Island	1021.2	+10	WNW	4	c	66	65	8	1	-	-	7-8	7-8	3400
	Lympne ...	1019.9	+6	NW	3	z	64	75	6	7	-	-	9+	9+	1800
	Manston ...	1019.8	+14	NW'W	3	c	64	65	8	7	-	-	9+	9+	3500
2	Shoeburyness ...	1019.7	+6	NW'N	3	c	67	55	8	8	9	2	4-6	7-8	4000
	Felixstowe ...	1019.1	+14	NW'W	6	c	62	65	8	5	-	-	10	10	2500
	Gorleston ...	1018.7	+10	W	4	e	62	65	7	8	-	-	9+	9+	1500
	Mildenhall ...	1019.0	+14	WNW	4	c	63	65	8	5	-	-	9+	9+	3000
	Cranwell ...	1018.9	+10	WNW	6	c	61	65	7	7	3	-	7-8	7-8	2000
3	Birmingham	1020.3	+12	WNW	4	c	63	55	8	7	-	-	7-8	7-8	2500
	Upper Heyford	1020.4	+14	WNW	5	c	64	55	8	7	4	-	7-8	7-8	2500
4	Ross-on-Wye ...	1021.5	+12	WNW	5	bc	63	55	8	7	-	-	4-6	4-6	4000
5	Hartland Point	1024.4	+4	W	3	bc	57	92	8	1	4	-	2-3	2-3	1500
	Bristol ...	1022.1	+6	W	5	bc	64	75	8	1	-	-	2-3	2-3	3000
	Portland Bill ...	1021.8	+4	W	4	bc	58	85	8	2	-	-	4-6	4-6	4000
	Plymouth ...	1024.7	+10	NNW	4	bc	63	65	8	1	-	-	4-6	4-6	3500
	The Lizard ...	1025.6	+4	NW	4	bc	58	92	8	2	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	1026.2	+10	NW'N	3	c	60	85	8	5	-	-	9+	9+	1500
	Guernsey ...														
6	Pembroke ...	1024.6	+10	W'S	3	bc	56	97	8	7	6	-	4-6	4-6	3000
7	Holyhead ...	1022.8	+18	W	5	cq	61	75	8	5	-	-	7-8	7-8	3000
	Chester (Sealand)	1020.9	+16	W'N	5	c	59	65	8	5	-	-	10	10	2600
8	Manchester ...	1020.2	+20	W'N	5	c	59	75	8	5	-	-	4-6	10	1800
10	Spurn Head ...	1016.9	+16	W'N	5	cq	59	75	7	8	6	-	7-8	9+	2500
	Catterick ...	1017.0	+26	NW	5	c	64	55	8	8	7	9	4-6	7-8	2800
	Tynemouth ...	1015.2	+18	W	6	bcq	63	65	8	2	3	1	4-6	4-6	2500
11	St. Abbs Head	1013.6	+28	NW	4	c	61	65	8	5	7	6	7-8	9	2500
	Leuchars ...	1013.3	+22	W	6	c/pr	65	55	9	5	-	2	9	9+	2800
12	Renfrew (Abbots I.)	1017.3	+30	W'N	4	c	59	75	9	8	3	-	9	9+	1800
	Eskdalemuir ...	1016.6	+24	WNW	4	c/r	56	75	8	8	4	-	9	9	1500
	Point of Ayre ...	1020.3	+20	NW'W	4	c/pr	54	97	8	8	7	-	7-8	9+	1000
13A	Tiree ...	1018.3	+28	NW	3	c	58	75	8	5	3	-	4-6	7-8	2500
13B	Stornoway ...	1015.1	+12	NW	5	c/d	57	75	8	5	7	-	4-6	9+	1200
15	Dalwhinnie ...	*	+32	W	4	c	58	65	8	8	-	6	7-8	9	2500
	Aberdeen ...	1012.7	+32	NW'N	5	bc	63	55	8	8	-	1	2-3	2-3	2500
	Wick ...	1012.9	+26	NW'N	5	c	55	75	9	5	-	-	9+	9+	2500
16	~~Lerwick~~ Sumburgh ...	1009.0	+34	NW'W	6	c	51	85	8	5	-	-	10	10	700
17	Blacksod Point...	1023.7	+10	W	3	c	59	75	7	5	-	-	10	10	2500
18	Malin Head ...	1020.5	+20	NW	5	c	56	85	7	8	-	-	9	9	2500
	Aldergrove ...	1021.2	+22	NW'W	3	c	59	75	8	5	-	-	9	9	2000
19	Birr Castle ...	1024.0	+14	W	2	c	63	65	8	5	1	-	7-8	10	2500
20	Valentia Obsy. †	1026.1	+8	WNW	3	bc	59	75	8	5	-	-	4-6	4-6	2500
	Roches Point ...	1025.0	+12	NW'W	3	bc	63	75	9	5	-	-	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 15th June — 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. 15th (37)	Weather 13h.–18h. 15th (38)	Weather 18h. 15th to 1h. 16th (39)	Weather 1h.–7h. 16th (40)
London (Kew)	1021.4	+6	WNW	3	bc	68	55	8	7	-	-	4-6	4-6	2500	0	*	cbcy	cybcy	beycbw	bbzow
Croydon	1021.2	+8	NW	3	bc	68	55	8	1	-	-	4-6	4-6	2500	0	*	c	cbcvy	bcyb	bc
S. Farnborough	1021.2	+10	NW'N	3	b	67	55	8	7	-	-	1	1	4500	1	*	cbcy	bcbg	bycbbc	wb
Boscombe Down	1022.2	+4	W'N	4	bc	65	65	8	7	-	-	4-6	4-6	2200	0	*	c	bc	bcbzo	bmoifw
Thorney Island	1021.3	+2	W	3	bc	68	65	8	1	-	-	4-6	4-6	4000	0	*	bidc	cbc	bcb	bbwb
Lympne	1021.1	+4	NNW	2	zo	66	65	6	1	-	-	4-8	4-6	2200	0	§3	cfdcm	bczo	bczocb	b
Manston	1021.2	+10	N'W	1	c	62	65	7	5	-	-	9	9	4000	0	*	cidmcbc	cczoc	cbcb	bcbcmoxb
Shoeburyness	1020.9	+4	NNW	2	bc	66	65	8	8	-	-	4-6	4-6	4000	0	*	cbcy	bcybc	cmo	cbcbmo
Felixstowe	1020.5	+10	NW'W	4	c	62	65	8	5	-	-	9+	9+	3000	1	3	c	c	bcb	bcmobbmo
Gorleston	1020.0	+6	NW'N	3	c	63	65	6	5	-	-	9+	9+	1500	0	3	c	c	cbczozo	bczo
Mildenhall	1020.7	+10	WNW	4	c	61	65	7	5	-	-	9+	9+	4000	0	*	c	c	cbc	bcbmowb
Cranwell	1021.3	+4	NW	5	c	60	65	7	8	4	-	7-8	7-8	2000	0	*	c	c	bc	bcbmoz
Birmingham	1022.4	+12	NW	3	bc	63	45	8	7	-	-	4-6	4-6	4000	7	*	cbc	c		bc
Upper Heyford	1022.0	+10	NW'W	4	bc	63	55	8	7	-	-	2-3	2-3	3500	0	*	ccy	bcy	bcybbmo	bmobbc
Ross-on-Wye	1022.4	+6	NW	4	bc	65	55	8	1	-	9	2-3	2-3	4000	0	*	ccbc	bcy	bcbb	bmow
Hartland Point	1025.0	+2	W	3	bc	57	85	8	1	4	1	1	2-3	2000	0	3	cbc	bc	bcb	bbcc
Bristol	1023.3	+4	W	4	b	63	75	8	1	-	9	Tr	1	3500	0	*	cbc	bcb	bbmow	bmofggw
Portland Bill	1023.9	+12	W	4	bc	57	92	8	2	-	-	4-6	4-6	4000	1	4	cbc	bc	b	bcb
Plymouth	1025.5	+10	NNW	4	bc	61	75	8	1	-	-	2-3	2-3	4000	0	3	cbc	b	b	bbc,wmwbcm
The Lizard	1026.0	0	NW	4	bc	58	85	8	8	-	-	4-6	4-6	2500	1	3	cbc	bc	bc	co
Scilly (St. Mary's)	1026.2	-2	NW	3	b	59	85	8	1	-	-	1	1	2200	0	3	bffcc	cbcb	bw	caf
Guernsey																				
Pembroke	1025.0	-4	W	3	b	56	92	7	1	-	-	1	1	5000	0	3	cbc	bcb	bc	bcifFc
Holyhead	1023.6	+6	W'S	3	bc	61	75	8	5	3	-	2-3	2-3	3000	1	3	qc	qcbc	bcc	cbcbc
Chester (Sealand)	1022.8	+10	NW	5	c	57	75	8	5	-	-	9+	9+	3000	0	*	circ	cqyc	cbcw	cbw
Manchester	1022.1	+10	WNW	5	bc	59	65	8	7	-	-	4-6	4-6	3500	1	*	cidc	cbc	bcbwfg	bcbmo
Spurn Head	1018.5	+8	WNW	5	cq	59	75	7	8	6	-	4-6	7-8	4000	0	4	cq	cq	o	cbc
Catterick	1019.3	+4	NNW	4	bc	62	55	8	1	-	1	2-3	2-3	3500	0		cvbcy	bccby	byb	bvb
Tynemouth	1019.6	+20	NW	4	bc	65	55	8	8	-	-	4-6	4-6	2500	1	3	bcq	bcq	bc	bc
St. Abbs Head	1017.5	+14	NW	4	c.	61	55	9	8	4	9	4-6	7-8	2500	0	3	bc	cy	cbc	bbc
Leuchars	1017.8	+24	NW	5	bc	63	75	9	8	-	1	4-6	4-6	3200	0	*	bcpccy	cybcybc	bccbc	bcbbc
Renfrew (Abbots I.)	1021.0	+8	WNW	5	c	57	65	8	8	7	3	4-6	7-8	2000	0	*	cpcf	cbc	cjpc	c
Eskdalemuir	1020.2	+14	NW'W	4	c	55	75	8	8	-	1	7-8	7-8	1500	1	*	coirc	cbcc	cbc	bcc
Point of Ayre	1022.6	+6	NNW	4	bc	57	85	8	1	4	-	Tr	2-3	3000	0	3	cpr	cbc	c	cbc
Tiree	1021.5	+8	W	3	c	55	97	8	5	-	1	9+	9+	2500	0	4	c	c	c	cirbc
Stornoway	1018.7	+14	NW	5	c/pr	55	75	8	6	4	5	2-3	7-8	2000	1	3	cid	cpro	cproz	c
Dalwhinnie	1022.5	+18	WSW	3	c	51	85	8	5	-	-	9+	9+	1500	0	*	prc	c	*	c
Aberdeen	1016.9	+22	NW	4	bc	59	55	8	7	-	9	4-6	4-6	3100	0	3	pcbcy	bcy	bcyc	cbcc
Wick	1016.7	+18	WNW	5	c	55	85	9	5	-	-	4-6	10	1600	0	*	[illegible]	o	c	r
Sumburgh	1012.9	+24	W	4	pr	50	97	7	5	-	-	10	10	600	*	*	d	o	r	c
Blacksod Point	1024.3	0	W	2	ido	56	85	8	6	-	-	10	10	1500	1	2	c	ido	bcc	ido
Malin Head	1022.7	+10	WNW	4	c	55	85	7	5	2	-	4-6	9	2500	0	3	c	c	c	cvc
Aldergrove	1023.7	+14	WNW	3	c	58	65	9	5	-	-	9+	9+	2500	0	*	circ	c	cbcc	cbcb
Birr Castle	1024.3	+2	WNW	2	c	66	65	8	4	3	-	4-6	7-8	2500	0	*	c	c	b	bcc
Valentia Obsy. †	1026.1	-2	W	3	b	60	75	9	-	3	3	0	Tr	-	0	3	cbc	bc	bbcsido	odod.om
Roches Point	1024.9	0	S	2	bc	58	85	8	5	-	-	4-6	4-6	2500	0	3	cbc	bc	bw	cfe

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.*

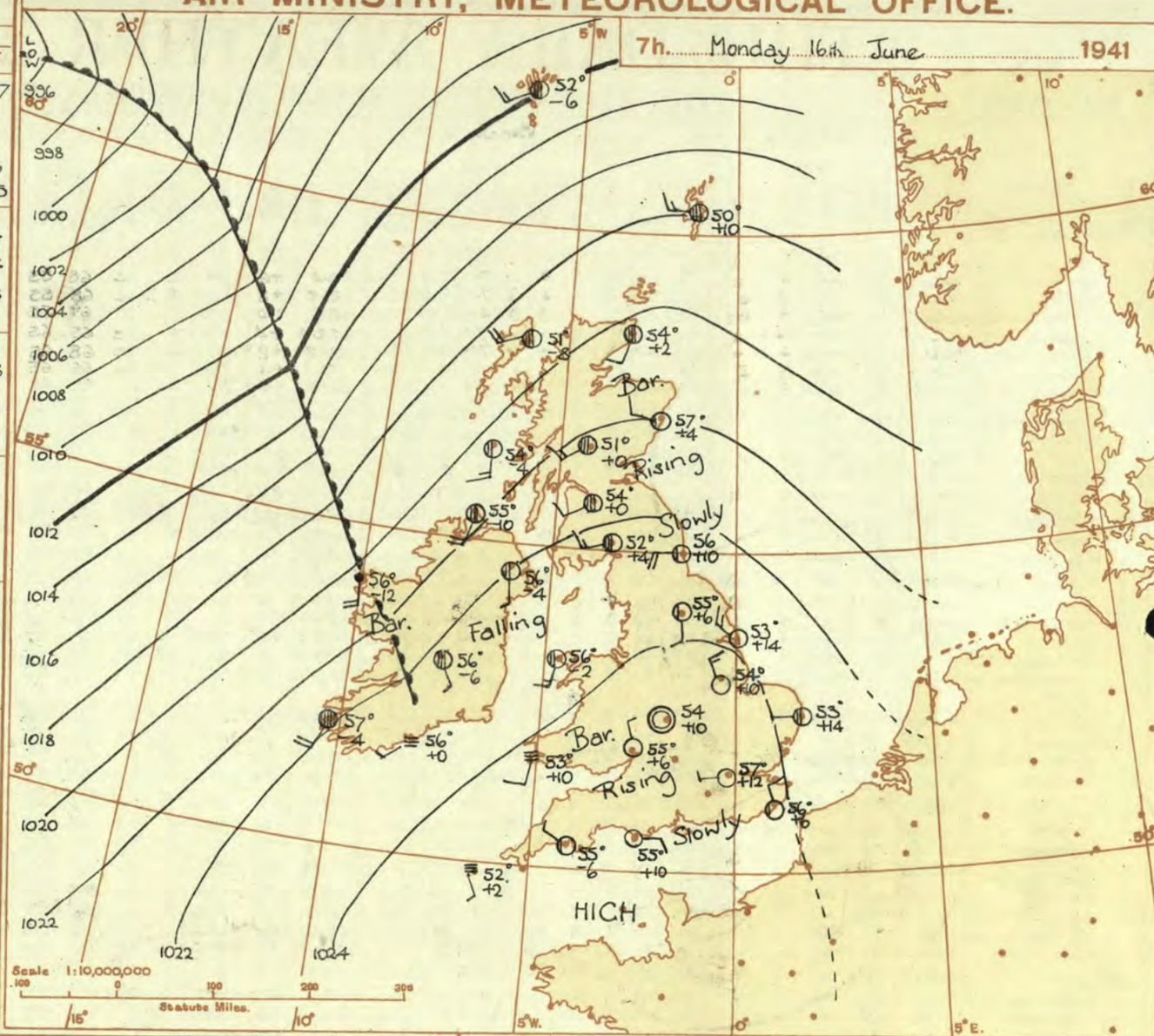
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday 16th June 1941

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 15th June			18h. G.M.T.			01h. G.M.T. 16th June			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 5-	51748	57558	6-	51737	58557	5-	02657	24427	5-	02957	22327
115 51	02844	26286	52	00734	22527	52	00834	24427	55	02945	18217
203 5-	03848	18428	5-	02847	18427	5-	02838	32428			
206 53	02856	61326	5-	02957	24367	53	01834	24324	14	02963	22225
210 5-	02957	27427	5-	02957	57417	5-	02967	22227	50	01964	19225
220 53	02844	27527	53	02844	22317						
230 8-	02848	60488	87	02845	26388	8-	02808	19328	62	58647	20168
245 8-	25967	30487	5-	02975	28426	53	01872	20115	70	01962	22204
260 54	02855	22415	46	01964	24415	40	00762	22312	5-	02866	24326
277											
279 5-	02845	57525	50	02855	26425				5-	02748	19228
285									10	01853	28503
288 5-	02854	26525	5-	01864	58414	50	00873	22113	04	00890	28101
273											
301 5-	02757	59527				5-	02856	26226	53	01965	20125
321 5-	02755	25315	40	01764	58414	50	05552	27112	00	05690	28200
299 57	01744	24415	8-	02747	24427	57	05644	24214	50	00742	26212
292 5-	02947	24527	5-	02956	27426	50	00861	28211	04	00990	27101
310											
316 5-	02745	24467	5-	01754	57414	00	05590	26110			
333 5-	02867	25427	73	01963	30313	00	00890	00000	5-	02837	16217
334											
340 5-	02857	61527	50	01965	61415	50	01773	28313	04	00890	20212
1365-	05657	26517	50	05654	58614	50	01763	26413	04	05690	28302
336									-	42200	12349
350 5-	02655	26425	50	02865	28315	00	05690	27210	00	05690	28300
368 70	01863	58623									
379 50	01863	26413	50	01863	30413	04	05690	30301	50	01761	30101
390 53	02755	25426	53	01754	27314	54	05661	27212	00	00790	26210
382 10	01855	26415	10	00963	28403	04	00790	00001	04	00890	28101
438 50	01764	22514							50	01753	02303
430 50	02964	24314	10	00963	30313	00	00890	32100	00	00890	32200
409			5-	01823	26313	5-	05515	00025			

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 16th June, 1941.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light N.W. wind backing W. to S.W.; fine; warm.
5 S.W. England 6 South Wales ...	Light W. wind backing S.W.; fine and warm inland today; fog on coasts; hill fog tonight.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light W. wind backing S.W; fair at first, cloudy, with occasional rain later; rather warm.
10 N.E. England 11 S.E. Scotland	Light N.W. wind backing W. to S.W; fair and rather warm today; cloudy with occasional rain later.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W. Scotland. 14 Mid Scotland	Light W. wind backing S.W.; fair at first, cloudy with some rain or drizzle, and coast and hill fog later; rather warm during day.
15 N. E. Scotland 16 Orkneys and Shetlands	Moderate S.W. wind; cloudy; occasional rain or drizzle; coast and hill fog in west; bright intervals tomorrow, moderate temperature.
17 N. W. Ireland 18 N. E. Ireland	Moderate S.W. wind; mainly cloudy, but bright intervals; rather warm.
19 S. E. Ireland 20 S. W. Ireland	As 17-18

GENERAL INFERENCE.

An anticyclone covering England & West France is moving slowly east. A deep depression is approaching Iceland from S.W., and associated troughs will affect N.W. districts of The British Isles. Weather will be fine and warm over most of England apart from coast fog in The West. In The Northwest weather will be fair at first, but occasional rain will occur later today with much low cloud and coastal fog in West Scotland

FURTHER OUTLOOK.

Fair weather over most of England and southeast Scotland, lasting for two or three days in S.E. England; occasional rain in The Northwest.

Cold Front
Warm Front
Occlusion

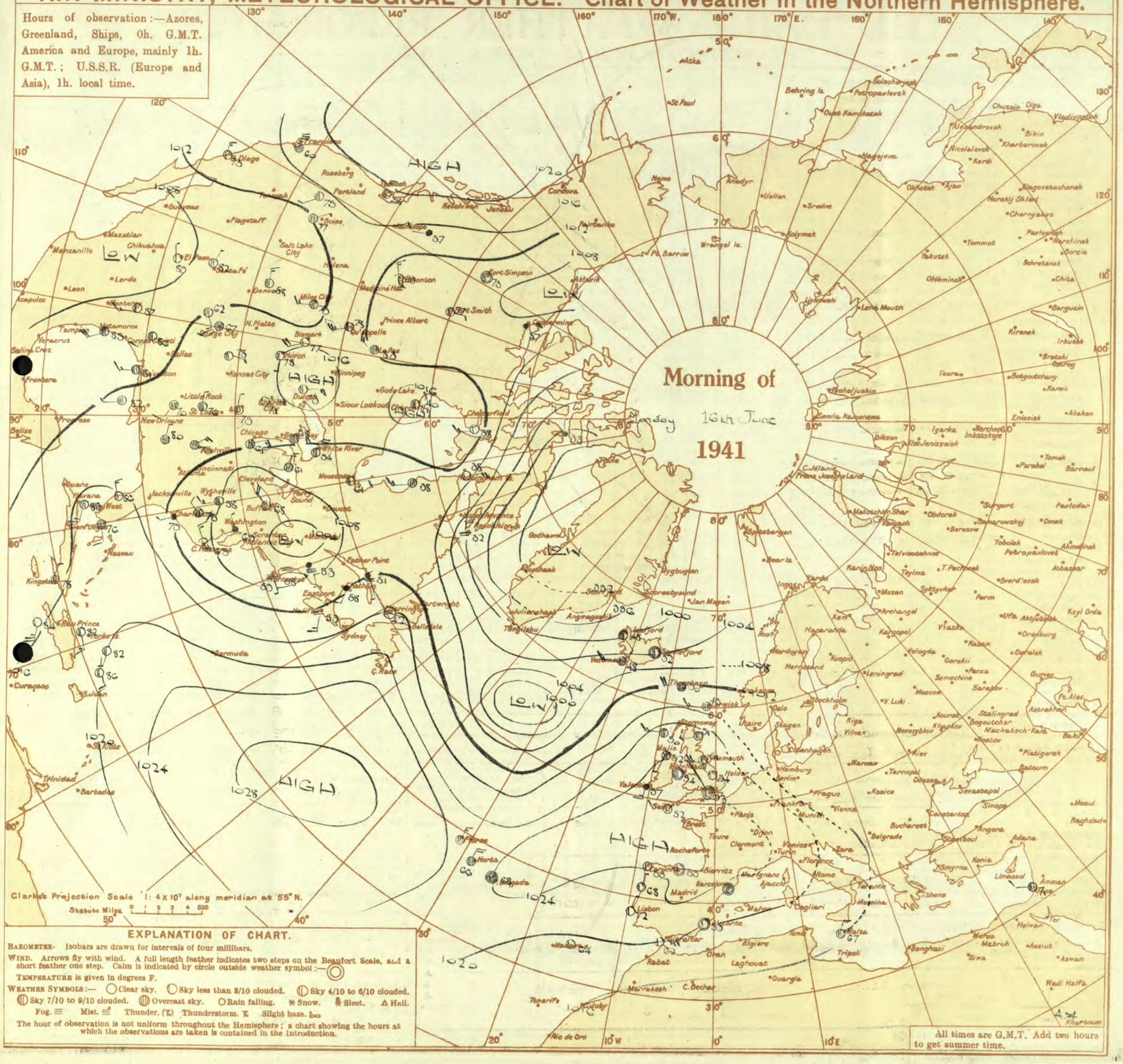
Forecasts issued at 1030h G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1. G.260. Wt. 8176. D. 6034. Gp. 948. 9300. 5/41

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 two hours to get summer time.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 16th June 1941

No. 22061

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

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	1024·8	+14	-	0	b	53	75	7	5	-	-	Tr	Tr	3000
	S. Farnborough	226	1025·5	+10	-	0	bc	53	85	8	-	4	-	0	2-3	-
	Boscombe Down	417	1026·5	+16	-	0	zo	50	97	6	-	-	-	0	0	-
	Thorney Island	10	1025·1	+10	-	0	b	52	92	7	-	3	-	0	Tr	-
	Lympne ...	346	1024·5	+8	NW	3	b	50	92	7	-	-	-	0	0	-
	Manston ...	154	1024·1	+6	NW'W	2	b	55	75	7	5	-	-	1	1	3800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1023·2	+6	WNW	4	bc	54	85	7	5	-	-	2-3	2-3	5000
	Gorleston ...	5	1022·7	+8	NW'W	2	bc	55	85	6	5	-	-	2-3	2-3	1500
	Mildenhall ...	19	1023·8	+10	W'S	2	bc	49	92	7	5	-	-	2-3	2-3	4000
	Cranwell ...	240	1024·7	+14	NW	4	bc	51	85	7	5	-	-	2-3	2-3	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1024·9	+6	-	0	zo	49	85	6	-	4	-	0	Tr	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1026·3	+4	SSE	2	b	51	97	8	-	4	-	0	Tr	-
	Bristol ...	209	1026·0	+6	WSW	1	zo	50	92	6	-	4	-	0	Tr	-
	Portland Bill ...	32	1025·2	+6	W	3	b	53	92	8	-	-	-	0	0	-
	Plymouth ...	82	1027·1	+2	WNW	1	b	53	85	7	-	-	-	0	0	-
	The Lizard ...	240	1027·3	-6	NNW	2	bc	52	97	7	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1027·1	+2	NW'W	2	b	52	97	7	-	-	-	0	0	-
	Guernsey ...	175														
6	Pembroke ...	142	1026·2	0	WNW	1	b	53	92	7	4	-	-	1	1	3500
7	Holyhead ...	26	1025·3	+2	-	0	c	54	92	8	5	-	-	9+	9+	3200
	Chester (Sealand)	16	1025·6	+8	W'S	1	bc	50	85	7	5	3	-	4-6	4-6	3000
8	Manchester ...	70	1025·1	+8	-	0	fg	46	97	7	5	-	-	2-3	2-3	4000
10	Spurn Head ...	29	1022·7	+12	NW	4	c	54	85	7	8	-	-	10	10	2500
	Catterick ...	175	1023·5	+10	-	0	bc	50	85	8	-	3	1	0	2-3	-
	Tynemouth ...	108	1022·8	+8	W	4	bc	51	85	7	-	4	-	0	4-6	-
11	St. Abbs Head	280	1021·2	+8	W	4	bc	53	75	8	4	4	2	1	2-3	2500
	Leuchars ...	36	1021·6	+8	WNW	3	bc	51	85	8	5	-	8	1	4-6	3500
12	Renfrew (Abbots I.)	19	1023·3	+12	SW'W	2	c	52	85	8	5	7	-	9	9+	2300
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1023·0	+8	W'N	2	c	52	92	8	8	2	-	9	10	3000
13A	Tiree ...	22	1022·5	+8	SW	4	c	52	85	8	5	*	*	9	9	2100
13B	Stornoway ...	80	1020·5	+6	W	3	c	50	92	7	8	7	-	2-3	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1019·9	+10	W'S	3	c	52	85	9	5	-	-	9+	9+	2000
16	Lerwick ...	156	1016·9	+18	W	4	c	49	92	8	5	-	-	9	9	600
17	Blacksod Point	18	1023·2	-10	S	3	c	55	92	7	4	-	-	7-8	7-8	2500
18	Malin Head ...	84	1023·6	0	SSW	1	c	52	92	8	8	-	-	9	9	5700
	Aldergrove ...	268	1024·9	+2	SW	1	c	53	85	7	5	-	-	10	10	2500
19	Birr Castle ...	173	1025·8	+2	S	1	b	47	97	8	-	-	-	0	0	-
20	Valentia Obsy.	30	1025·3	-8	S'W	3	kd.	57	92	6	5	-	-	10	10	1500
	Roches Point	22	1025·5	-2	N	2	b	54	97	8	-	-	-	0	0	-

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

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)	1026·8	+10	NNW	2	zo	57	75	6	-	-	-	0	0	-	1	*
	Croydon ...	1026·5	+12	W	1	zo	57	75	6	-	-	-	0	0	-	0	*
	S. Farnborough	1027·0	+6	NW'N	1	b	56	75	8	-	4	-	0	Tr	-	1	*
	Boscombe Down	1027·4	+10	-	0	zo	55	75	6	-	-	-	0	0	-	0	*
	Thorney Island	1026·6	+10	NNW	1	b	58	85	8	-	4	-	0	Tr	-	0	
	Lympne ...	1025·9	+6	N'W	2	b	56	85	7	5	-	-	Tr	Tr	4000	0	§
	Manston ...	1026·0	+10	NW'N	2	zo	55	75	6	5	-	-	Tr	Tr	3500	0	*
2	Shoeburyness ...	1026·0	+14	NW'N	2	b	58	75	6	-	3	-	0	1	-	0	*
	Felixstowe ...	1025·6	+18	N'W	4	zo	56	75	6	-	-	-	0	0	-	0	2
	Gorleston ...	1025·1	+14	W	2	bc	53	92	6	-	4	-	0	2-3	-	0	2
	Mildenhall ...	1026·2	+14	NW'N	2	b	53	85	7	-	-	-	0	0	-	0	*
	Cranwell ...	1026·1	+10	NW'N	3	zo	54	75	6	-	-	-	0	0	-	0	*
3	Birmingham ...	1026·6	+10	-	0	c	54	75	6	5	-	-	9+	9+	4000	1	*
	Upper Heyford	1026·8	+6	WNW	1	c	56	75	7	5	3	1	4-6	7-8	5500	0	*
4	Ross-on-Wye	1026·6	+6	NNW	1	zo	55	85	6	-	-	-	0	0	-	0	*
5	Hartland Point	1026·8	+4	S	3	c	53	97	6	5	1	-	7-8	9	1000	1	3
	Bristol ...	1027·2	+6	-	0	b	58	85	7	-	-	-	0	0	-	0	*
	Portland Bill ...	1026·7	+10	E	2	bc	55	92	8	5	-	-	2-3	2-3	4000	1	3
	Plymouth ...	1027·9	+6	WNW	1	zo	55	85	5	5	-	-	Tr	Tr	200	0	1
	The Lizard ...	1027·2	+4	-	0	o	52	97	7	5	-	-	10	10	800	0	2
	Scilly (St. Mary's)	1027·2	+2	E	1	f	52	97	2	-	-	-	10	10	2150	1	2
	Guernsey ...																
6	Pembroke ...	1026·7	+10	SW	2	F+	53	97	1	-	-	-	10	10	2150	0	3
7	Holyhead ...	1025·1	-2	SW	3	bc	56	92	8	-	3	9	0	2-3	-	0	2
	Chester (Sealand)	1026·0	+6	SSE	2	b	58	75	7	-	3	-	0	Tr	-	1	*
8	Manchester ...	1026·0	+2	-	0	zo	54	85	5	5	-	-	1	1	4500	1	*
10	Spurn Head ...	1025·1	+14	WNW	3	zo	53	85	6	-		-	0	1	-	0	3
	Catterick ...	1025·1	+6	3	1	b	55	75	8	1	-	-	Tr	Tr	3500	0	*
	Tynemouth ...	1024·8	+10	W	4	b	56	65	7	-	4	-	0	1	-	0	2
11	St. Abbs Head	1023·6	+6	NW	4	bc	53	75	9	5	4	1	4-6	4-6	2500	0	3
	Leuchars ...	1022·6	+4	SW	2	bc	55	75	8	7	3	1	Tr	2-3	2800	0	*
12	Renfrew (Abbots I.)	1023·7	*	SW	2	c	54	75	8	5	3	-	9	9+	3000	0	*
	Eskdalemuir ...	1024·4	+4	W'S	3	c	52	75	8	5	-	-	7-8	7-8	1500	1	*
	Point of Ayre ...	1024·8	0	WSW	2	bc	59	75	8	5	4	-	1	2-3	5000	0	2
13A	Tiree ...	1020·7	-4	S	3	bc	54	92	8	6	8	2	2-3	4-6	2200	1	3
13B	Stornoway ...	1019·5	-8	WSW	4	c	51	92	8	8	5	-	4-6	10	1500	1	3
15	Dalwhinnie ...	1023·1	0	SW	3	c	51	75	8	8	3	-	4-6	9+	2500	1	*
	Aberdeen ...	1021·7	+4	W'N	2	b	57	65	8	5	-	2	Tr	Tr	3100	0	1
	Wick ...	1020·6	+2	SSW	2	c	54	85	9	5	-	1	9	9+	2000	0	*
16	Lerwick ...	1018·8	+10	W	3	c	50	92	8	5	7	-	4-6	10	900	*	*
17	Blacksod Point	1020·5	-12	S	4	kd.	56	97	7	6	-	-	10	10	800	1	3
18	Malin Head ...	1021·2	-10	SSW	4	c	53	85	8	5	-	-	7-8	7-8	5700	0	1
	Aldergrove ...	1023·9	-4	S	1	bc	56	75	7	5	7	1	2-3	4-6	1500	0	*
19	Birr Castle ...	1024·0	-6	SSE	1	c	56	85	8	5	1	-	9	10	4000	0	*
20	Valentia Obsy.	1024·0	-4	S'W	4	c/d	57	97	5	5	-	-	10	10	<150	1	3
	Roches Point	1024·7	0	SW	1	f+	56	97	3	5	-	-	10	10	220	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 ...16th Hrs. (36)
1	London (Kew)	69	51	39	-	-	8·1
	Croydon ...	71	48	43	-	-	8·4
	S. Farnborough	71	47	39	-	-	8·8
	Boscombe Down	68	46	38	-	Tr	8·2
	Thorney Island	70	48	40	-	-	.
	Lympne ...	68	45	38	Tr	-	9·4
	Manston ...	65	51	46	Tr	-	4·3
2	Shoeburyness ...	(61)	50	40	-	-	7·3
	Felixstowe ...	63	50	47	-	-	0·3
	Gorleston ...	(63)	51	42	-	-	*
	Mildenhall ...	65	44	36	-	Tr	2·3
	Cranwell ...	62	46	43	-	-	4·5
3	Birmingham ...	65	47	36	*	-	6·7
	Upper Heyford	66	46	39	-	-	*
4	Ross-on-Wye	66	45	40	-	-	9·2
5	Hartland Point	58	51	49	-	-	9·4
	Bristol ...	66	46	36	-	-	11·3
	Portland Bill ...	58	50	*	-	-	*
	Plymouth ...	65	50	47	-	Tr	12·0
	The Lizard ...	60	51	*	Tr	-	13·0
	Scilly (St. Mary's)	61	50	*	-	-	7·5
	Guernsey ...						
6	Pembroke ...	57	49	*	-	-	8·5
7	Holyhead ...	63	48	43	-	-	6·5
	Chester (Sealand)	63	47	41	-	-	0·4
8	Manchester ...	61	44	35	Tr	-	2·1
10	Spurn Head ...	62	50	*	-	-	2·6
	Catterick ...	64	47	40	-	-	10·8
	Tynemouth ...	65	49	46	-	-	.
11	St. Abbs Head	61	49	*	-	-	*
	Leuchars ...	68	45	42	Tr	-	7·1
12	Renfrew (Abbots I.)	61	51	47	Tr	-	2·0
	Eskdalemuir ...	60	47	44	0·2	-	3·0
	Point of Ayre ...	61	51	*	Tr	-	6·2
13A	Tiree ...	58	50	*	-	0·5	1·1
13B	Stornoway ...	57	50	*	0·1	0·1	1·3
15	Dalwhinnie ...	59	49	42	1	2	1·0
	Aberdeen ...	65	51	43	Tr	-	5·4
	Wick ...	57	50	49	*	*	*
16	Lerwick ...	*	*	*	*	*	*
17	Blacksod Point	60	52	*	Tr	Tr	*
18	Malin Head ...	56	49	*	0·2	-	0·5
	Aldergrove ...	61	45	38	Tr	-	1·8
19	Birr Castle ...	67	45	43	-	-	5·0
20	Valentia Obsy.	61	54	49	-	0·3	10·5
	Roches Point	64	51	*	-	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	cbecy	cybcy	boycbzw	69	51	39	-	-	81	*	*	7
Croydon ...	217	c	cbcvy	boyb	71	48	43	-	-	8·4	*	*	
Greenwich (Royal Observatory) ...	149	cy	cbcy	bcabzy	70	52	43	-	-	6·7	53	59	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	71	51	43	-	-		57	62	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*									*
Camden Square ...	110	c	bc	*	71	52	46	-	-	*	*	57	*
Kensington ...	80	cbc	bc	*	71	50	39	-	-		53	59	*
Hampstead Observatory ...	450	bc	bc	bc	69	48	42	-	-		*	61	*

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.
0·4	0-6h 16th	<0·4	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.	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—glassy.	5 Rough.
1 Calm—rippled.	6 Very rough.
2 Smooth.	7 High.
3 Slight.	8 Very high.
4 Moderate.	9 Phenomenal.

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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 17th June, 1941

No. 29,062

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

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)	1026·5	-4	WNW	2	bc	67	65	8	1	-	9	2-3	2-3	2500
	Croydon	1026·2	-2	NW	2	b	70	55	7	1	4	4	Tr	Tr	3000
	S. Farnborough	1026·4	-6	W'S	2	bc	69	55	8	-	-	-	2-3	2-3	4000
	Boscombe Down	1026·8	-6	W	1	c	68	55	8	1	-	-	7-8	7-8	3500
	Thorney Island	1026·9	-2	SSW	3	bc	65	65	8	1	-	-	2-3	2-3	4000
	Lympne	1026·9	+6	SSE	2	b	62	75	7	4	-	-	1	1	4000
	Manston	1026·7	+2	NNW	2	b	65	65	7	7	-	-	Tr	Tr	3500
2	Shoeburyness	1026·4	-8	SSW	3	b	70	65	7	1	-	-	Tr	Tr	4000
	Felixstowe	1026·3	0	SSE	3	bc	64	75	7	4	-	-	2-3	2-3	3000
	Gorleston	1026·3	+2	ESE	2	bc	57	85	7	1	-	-	4-6	4-6	2000
	Mildenhall	1025·2	-2	WN	2	b	67	55	8	1	-	-	1	1	3500
	Cranwell	1026·1	-2	W	4	bc	67	55	6	1	-	-	2-3	2-3	3500
3	Birmingham	1025·9	0	WSW	3	bc	67	55	8	7	-	9	4-6	4-6	4000
	Upper Heyford	1026·1	+4	W'S	2	c	68	55	8	7	3	1	4-6	7-8	3000
4	Ross-on-Wye	1025·4	-6	SW'S	2	bc	69	65	7	7	-	-	4-6	4-6	4000
5	Hartland Point	1027·1	+4	WSW	3	f	53	97	3	-	-	-	10	10	4150
	Bristol	1026·7	-2	W	1	bc	69	65	9	1	4	-	4-6	4-6	3200
	Portland Bill														
	Plymouth	1028·4	+4	SW'S	3	b	57	85	8	1	-	1	1	1	3500
	The Lizard	1027·8	+2	WSW	3	c	50	85	7	8	2	-	7-8	9+	1500
	Scilly (St. Mary's)	1027·3	+2	SW	2	c	61	85	7	5	5	-	10	10	1200
	Guernsey														
6	Pembroke	1027·3	+4	SSW	3	o	54	97	7	5	-	-	10	10	2500
7	Holyhead	1025·3	+2	NW'N	5	c	55	92	8	5	6	3	4-6	9	400
	Chester (Sealand)	1024·8	+6	W	1	c	73	45	9	1	7	7	4-6	7-8	3000
8	Manchester	1025·5	-4	WSW	3	c	68	55	6	5	9	9	4-6	7-8	3500
10	Spurn Head	1025·8	0	SE	2	bc	57	55	7	-	-	5	0	2-3	-
	Catterick	1028·0	-6	W	3	bc	68	55	8	5	8	6	1	4-6	3500
	Tynemouth	1024·3	-4	S	3	bc	57	75	6	2	7	-	2-3	4-6	1600
11	St. Abbs Head	1022·4	-4	N	1	bc	57	75	9	4	4	8	2-3	4-6	2500
	Leuchars	1020·8	-10	WSW	6	bc	67	45	7	5	-	-	2-3	2-3	5800
12	Renfrew (Abbots I.)	1022·4	-10	SW	3	c	63	65	8	8	7	-	4-6	9+	2500
	Eskdalemuir	1023·7	0	SW	4	c	59	75	8	8	-	-	9+	9+	2500
	Point of Ayre	1024·4	-4	SSW	4	c	61	85	8	5	7	-	7-8	9+	3000
13A	Tiree	1019·0	-6	SSE	5	c	57	85	8	5	-	-	9+	9+	1800
13B	Stornoway	1016·0	-26	SSW	8	c	53	92	8	5	7	-	9	10	2500
15	Dalwhinnie	1021·2	+2	SW	3	c	56	65	8	5	4	-	7-8	9	2500
	Aberdeen	1018·8	-22	S'E	4	bc	64	55	7	7	9	-	9	4-6	4500
	Wick	1018·3	-12	S	3	c	54	85	9	5	7	-	2-3	9+	5700
16	~~Lerwick~~ Sumburgh	1018·8	-2	SW'S	4	c	53	85	8	5	3	-	7-8	9	2500
17	Blacksod Point	1020·3	+2	S	5	c	59	92	7	5	-	-	10	10	800
18	Malin Head	1020·0	0	SSW	5	c	65	75	8	7	-	2	2-3	7-8	4000
	Aldergrove	1023·0	-2	S'W	3	c	63	75	8	5	7	-	7-8	9+	3500
19	Birr Castle	1023·1	+4	SSW	2	c	70	75	8	5	-	-	9	9	4000
20	Valentia Obsy. †	1024·9	+2	S	4	o	58	92	7	5	-	-	10	10	450
	Roches Point	1025·5	0	SSW	3	c	60	85	9	5	-	-	9	9	1500

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

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)	1025·5	-6	WNW	2	bc	73	45	8		-	2	1	2-3	2500	1	*
	Croydon	1025·4	-6	NW	2	bc	72	55	8	1	4	4	1	2-3	4000	0	*
	S. Farnborough																*
	Boscombe Down	1026·1	-4	SSW	3	bc	67	65	8	1	-	-	2-3	2-3	3000	0	*
	Thorney Island	1026·5	-2	SSW	2	b	64	75	8	-	-	5	0	Tr	-	0	
	Lympne	1026·3	-2	S'W	1	b	63	75	8	-	-	-	0	0	-	0	§
	Manston	1026·0	-6	SW	2	b	65	55	7	-	-	0	0	Tr	-	0	*
2	Shoeburyness	1025·6	-6	SE	2	b	64	75	7	-	-	1	0	Tr	-	0	*
	Felixstowe	1025·8	-4	SE	3	b	60	75	7	-	5	-	0	1	-	0	2
	Gorleston	1025·8	-4	SSE	3	bc	58	85	6	-	7	-	0	4-6	-	0	3
	Mildenhall	1024·7	-6	WSW	2	bc	71	55	8	-	3	1	0	2-3	-	0	*
	Cranwell	1024·8	-4	W	4	bc	71	55	7	-	7	-	0	4-6	-	0	*
3	Birmingham	1024·3	-6	SSW	2	bc	70	55	8	7	-	4	2-3	4-6	4000	1	*
	Upper Heyford	1025·0	-2	WSW	2	bc	70	65	7	1	-	6	2-3	4-6	4000	0	*
4	Ross-on-Wye	1024·2	-6	SSW	3	c	69	55	8	5	-	4	7-8	7-8	4000	0	*
5	Hartland Point	1026·5	-5	WSW	3	c	55	92	7	5	2	-	7-8	10	300		
	Bristol	1026·0	+2	W	3	bc	67	65	8	1	3	9	Tr	2-3	4000	0	*
	Portland Bill	1027·5	-8	SW	2	b	56	85	7	-	-	-	0	0	-	1	3
	Plymouth	1027·4	-6	SW	3	cf-	53	97	3	5	4	-	9	9+	200	0	2
	The Lizard	1027·0	-4	W	2	cf+	57	92	2	5	-	-	10	10	400	0	2
	Scilly (St. Mary's)	1026·7	-8	NW'W	1	cjf	60	85	6	5	3	-	4-6	7-8	500	0	2
	Guernsey																
6	Pembroke	1026·4	-6	S'W	2	f	54	97	2	-	-	-	10	10	4150	0	3
7	Holyhead	1024·0	-8	S	4	mjf	55	97	4	5	-	-	10	10	1000	0	3
	Chester (Sealand)	1023·3	-12	WNW	1	bc	70	55	8	4	4	3	1	2-3	6000	0	*
8	Manchester	1023·8	-10	NW	1	bc	70	65	8	5	4	5	Tr	2-3	6500	0	*
10	Spurn Head	1023·6	-6	SSE	4	bc	57	85	6	-	1	5	0	2-3	-	0	2
	Catterick	1022·8	-10	WNW	3	c	67	55	8	4	-	9	4-6	7-8	3000	0	
	Tynemouth	1022·6	-8	SW	1	20	62	75	6	1	4	1	2-3	4-6	3600	0	2
11	St. Abbs Head	1019·8	-8	WSW	4	bc	66	65	9	4	4	9	2-3	4-6	2500	0	2
	Leuchars	1019·6	-8	WSW	6	bc	67	45	7	5	7	-	2-3	4-6	5500	0	*
12	Renfrew (Abbots I.)	1020·7	-10	SW'W	2	c	62	75	8	5	7	-	7-8	9+	2000	0	*
	Eskdalemuir	1022·1	-6	SSW	3	c	58	75	8	5	-	-	9+	9+	2500	1	*
	Point of Ayre	1022·6	-6	ENE	1	c	56	92	8	5	7	-	4-6	9+	4000	0	2
13A	Tiree	1016·0	-4	SSW	5	rr	56	97	6	-	2	-	10	10	600	1	5
13B	Stornoway	1014·2	-6	SW	6	dd	55	97	6	6	2	-	9	10	700	1	4
15	Dalwhinnie	*	-10	SW	3	c	56	85	8	5	4	-	7-8	9	1500	0	*
	Aberdeen	1017·4	-2	SW'W	3	bc	72	55	8	4	9	-	Tr	2-3	5500	0	2
	Wick	1015·6	-10	SSW	3	c	62	65	9	5	4	-	9	9+	4500	0	*
16	~~Lerwick~~ Sumburgh	1015·5	-18	SSW	3	c	51	85	8	5	7	-	9+	9+	4500	*	*
17	Blacksod Point	1020·0	-2	SSW	5	DD	57	97	6	6	-	-	10	10	800	1	4
18	Malin Head	1018·9	-6	SW	3	c	62	85	8	8	-	-	7-8	7-8	4000	0	2
	Aldergrove	1021·0	-14	SW'S	2	c	68	75	9	7	-	9	9+	9+	2000	0	*
19	Birr Castle	1022·2	-6	S	1	c	68	75	8	5	-	-	9+	9+	2500	0	*
20	Valentia Obsy. †	1024·1	-2	S	4	c	58	92	7	5	7	-	9+	10	450	0	3
	Roches Point	1024·4	-10	SW	3	c	50	85	8	5	-	-	9	9	1500	0	4

PAST 24 HOURS.

District	Stations	Weather. 7h.—13h. 16th (37)	Weather. 13h.—18h. 16th (38)	Weather. 18h. 16th to 1h. 17th (39)	Weather. 1h.—7h. 17th (40)
1	London (Kew)	bzobc	bcy	bcybcw	bmow
	Croydon	bzoby		bybcb	bw
	S. Farnborough	bbcy		yb	bw
	Boscombe Down	bc	bcy	bcbzo	bzobcf
	Thorney Island	bbcb	b	bmowfg	bfgbmo
	Lympne	bbcb		bbcb	bw
	Manston	bzob	bbzoby	bcbzobmo	bwmb
2	Shoeburyness	bcmobyb	b	b	bmow
	Felixstowe	bmobcc	bbzob	bc,mo	bcmbmow
	Gorleston	bczobc	bc	bc	bczow
	Mildenhall	bbcb	bbcy	bcyb	bbmow
	Cranwell	bczo	bc	b	bbmo, cmo
3	Birmingham	cbc	bc	bcb	b,c
	Upper Heyford	bcbcy		bcb	bbmob
4	Ross-on-Wye	bzobcc	bcycy	bcbb	bmow
5	Hartland Point	cff	fcobc	coff	ffc
	Bristol	bwbcy	bcy	bcmmw	bcmocjfw
	Portland Bill			bcb	cfif
	Plymouth	bmocf	bfcf	cf	cfbf
	The Lizard	cbcc	ff	ffc	Fwfbc
	Scilly (St. Mary's)	cffc	cifc	coff	coffc
	Guernsey				
6	Pembroke	ffo	ffo	FcFc	ffcfcc
7	Holyhead	bcwc	bmyfmo	fmbo	mfdoo
	Chester (Sealand)	bcbcy	bcbyc	bw	bcwb
8	Manchester	bmobccbyc	zoyc	bcmobfff	bffwcmo
10	Spurn Head	bc	bczo	bcbzo	bz
	Catterick	bcy	bcycy	cybcb	bbc
	Tynemouth	bc	bc	bccbc	bcc
11	St. Abbs Head	bc	cbc	cbc	c
	Leuchars	bcbbcy	bcycybc	cbcmocmo	cmorrc
12	Renfrew (Abbots I.)		c	cemodbcd	ddorRro
	Eskdalemuir		cbcc	codof	dodoF
	Point of Ayre	bc	c	bcbbccw	c
13A	Tiree	cdc	orr	cbfc	c
13B	Stornoway		cdd	cddbcc	cir.
15	Dalwhinnie	c	c	*	cid.
	Aberdeen	bybcy	bcy	bcyc	c
	Wick	c		r	bc
16	~~Lerwick~~ Sumburgh	c	o	d	c
17	Blacksod Point	c	dd	c	rr
18	Malin Head	c	c	cccprpc	cprcc
	Aldergrove	dd,c	rrobccr	crprcc	cidcc
19	Birr Castle	c	c	c	c
20	Valentia Obsy. †	omofdodo	oc	oddcdcdc	oddoid.
	Roches Point		c	dcdc	idcdcdc

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.*

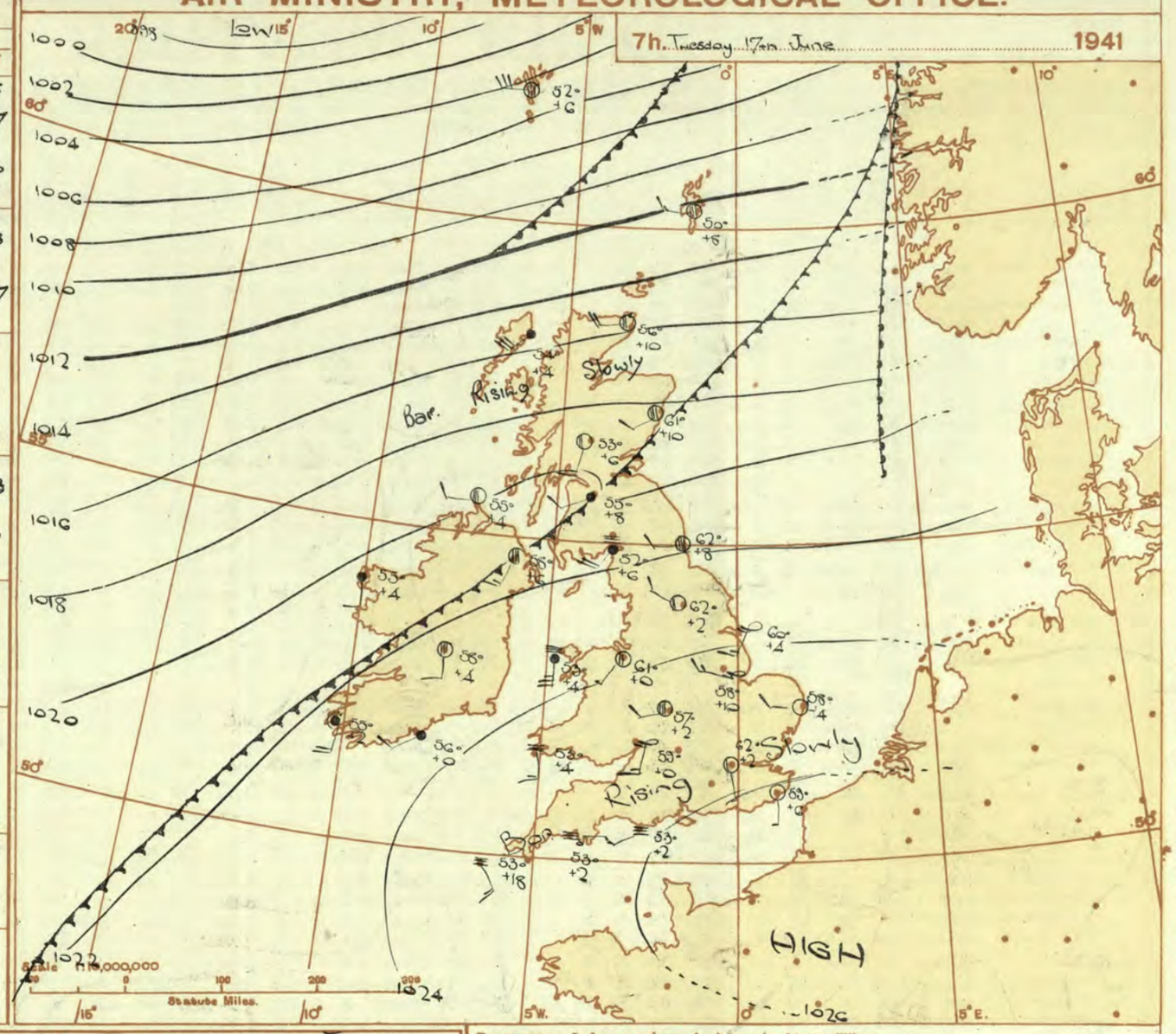
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 17th June 1941

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 16th June			18h. G.M.T.			01h. G.M.T. 17th June			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 5-	02866	16326	5-	02856	14326	57	00843	19363	5-	02865	53415
115 55	02944	18427	52	62638	20588	52	14834	53567	52	81634	53587
203 5-	01835	16625	5-	62738	16628	6-	02837	16667			
206 73	02864	20425	53	02865	53427	53	01868	22364	53	02864	22326
210 03	01890	27225	54	02864	53516	57	01864	22264	53	02865	20315
220 52	03844	16528	5	58418	20568				52	03736	23428
230 52	02846	16257	5-	52747	16357	53	47204	53468	5-	21758	20358
245 14	01862	23414	50	02872	53415	50	05655	21327	00	02890	23225
260 73	02874	22415	5-	02868	20428	53	02864	20415	57	22746	24267
277											
279 --	02864	24426	5-	02867	22427				5-	02748	15428
285 13	02853	24516							5-	41538	24348
288 13	01861	22114				50	00752	19302	84	02862	18215
273											
301 14	01961	24214	03	01890	26314	5-	00723	23756	54	01754	20225
321 03	05600	20103	03	05790	25213	07	08450	22103	50	05663	20213
299 10	05642	16302	50	01754	16314	50	05643	20203	70	05653	22203
292 77	01863	21314	04	01863	24314	50	00861	21111	53	01854	21314
310									--	46109	24349
316 14	05663	18214	18	01761	22214	00	05590	22101	5-	02738	18218
333 53	01823	18314	5-	02628	17328	5-	51308	18458	5-	52418	16358
334 --	01862	22303							--	03626	18328
340 13	02864	20315	14	00871	22213	5-	02766	18216	5-	02846	20316
136 14	00752	20112	03	01890	00014	00	05690	19211	04	05690	22302
336 13	01763	12315									
350 13	01863	24313	10	01864	20214	00	05690	20116	00	05690	22201
368									5-	45328	23148
379 50	01854	20214	50	01763	20315	00	05690	20300			
390 10	00761	25111	49	00861	26103	00	05690	00010	00	05690	18141
382 10	01864	21214	10	00861	20303	00	00790	00001	50	05601	25202
438 00	00790	22300							10	00752	24302
430 10	00862	20302	00	00890	18300	00	05690	00001			
409 50	00752	22303	5-	08408	22218	5-	05628	00028	5-	02756	12226

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 17th June, 1941
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light S.W. wind; fine; warm.
5 S.W. England 6 South Wales ...	Light S.- S.W. wind; fair or fine inland but hill fog at night; persistent coastal fog; rather warm inland.
7 North Wales ...	
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light S.W. wind; cloudy; occasional slight rain; fog patches on coast in west; moderate temperature.
12 S.W. Scotland & Isle of Man.	Light W.- S.W. wind; mainly cloudy, some bright intervals; local showers; moderate temperature.
13 A. W. Scotld.	
13 B. N.W. Scotland.	Fresh S.W. wind; mainly cloudy, some bright intervals; local showers; moderate temperature.
14 Mid Scotland	
15 N. E. Scotland	As 12-13A.
16 Orkneys and Shetlands	As 13B.
17 N. W. Ireland 18 N. E. Ireland	As 12-13A.
19 S. E. Ireland 20 S. W. Ireland	As 7-11

GENERAL INFERENCE.

An anticyclone centred over France is moving east, and a trough of low pressure is crossing northern districts. A depression off Portugal will probably spread N.N.E. Weather will be fine and warm in the South and Midlands apart from coast fog in the South west. In the North there will be variable amounts of cloud with some local rain or showers.

FURTHER OUTLOOK.

Fine and warm in the S.E. with tendency for thunder in the South later; cloudy, with occasional rain in the North

Cold Front
Warm Front
Occlusion

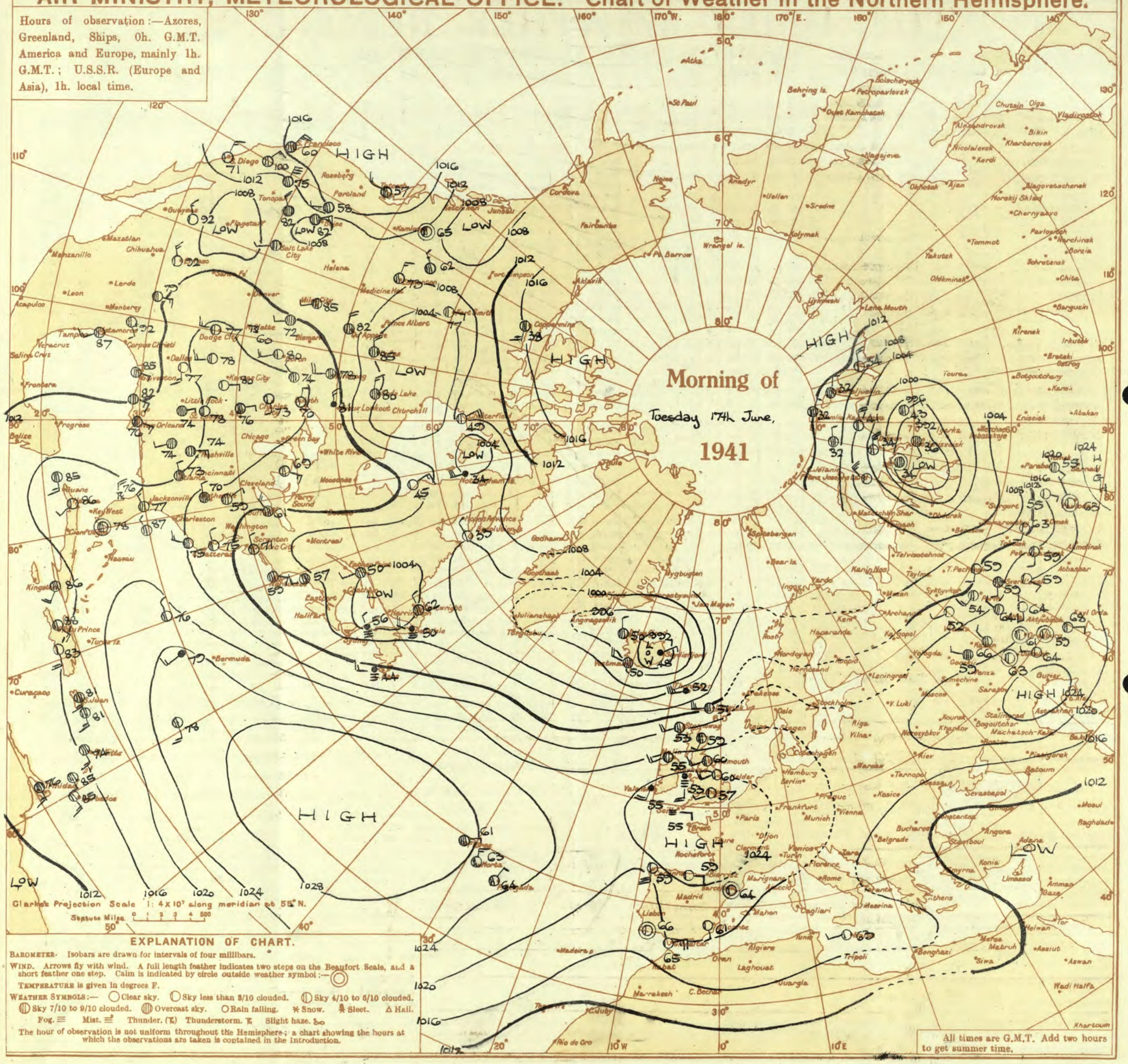
Forecasts issued at 1030h G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.
G. 256. No. 8176. D. 6034. Gp. 948. 3300. 5/41

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
Tuesday 17th June 1941
No. 29062

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

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	1025·8	+2	SW	1	b	57	85	7	5	-	-	1	1	3000
	S. Farnborough	226	1026·1	+2	W	1	b	55	85	7	-	-	1	0	Tr	-
	Boscombe Down	417	1026·5	-2	-	0	zo	54	92	7	-	3	-	0	Tr	-
	Thorney Island	10	1026·1	-6	-	0	fg	50	92	6	-	-	1	0	Tr	-
	Lympne ...	346	1026·3	-2	W	1	b	52	85	8	-	-	-	0	0	-
	Manston ...	154	1025·9	-2	SW	2	zo	54	85	6	-	3	1	0	1	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1025·1	-4	WSW	2	zo	57	92	6	-	-	2	0	2-3	-
	Gorleston ...	5	1024·9	-6	SW	2	zo	55	92	6	-	7	-	0	4-6	-
	Mildenhall ...	19	1024·5	-4	SSW	3	b	59	85	7	-	-	-	0	0	-
	Cranwell ...	240	1024·0	-10	W	3	b	60	85	7	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1025·4	-2	WSW	2	b	54	92	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1025·9	-8	WSW	3	f	54	97	3	-	-	-	10	10	<150
	Bristol ...	209	1025·9	-6	-	0	zo	52	97	6	-	3	2	0	2-3	-
	Portland Bill ...	32	1025·7	-8	SW	1	b	53	92	8	-	-	-	0	0	-
	Plymouth ..	82	1027·5	+2	SW	1	f	52	97	2	-	-	-	10	10	<150
	The Lizard ...	240	1026·5	-6	-	0	c	55	97	6	5	2	-	9	10	1000
	Scilly (St. Mary's)	163	1025·8	-10	E	1	f	55	97	2	5	-	-	10	10	450
	Guernsey ...	175														
6	Pembroke ...	142	1025·9	-4	SW	4	F+	52	97	1	-	-	-	10	10	<150
7	Holyhead ...	26	1023·6	-2	S	4	df	53	97	2	5	-	-	10	10	<150
	Chester (Sealand)	16	1023·7	-6	SW	1	b	58	85	7	5	3	-	Tr	1	4000
8	Manchester ...	70	1023·9	-2	SE	1	bef+	48	97	3	-	3	-	0	2-3	-
10	Spurn Head ...	29	1023·3	-2	SW'W	3	b	60	65	6	-	-	-	0	0	-
	Catterick ...	175	1022·5	-8	W'S	3	bc	59	85	8	4	-	-	2-3	2-3	4000
	Tynemouth ...	108	1022·5	-8	SW	3	bc	60	85	6	2	3	-	2-3	4-6	2500
11	St. Abbs Head	280	1019·1	-4	SW	6	bc	55	92	7	5	7	-	4-6	4-6	2000
	Leuchars ...	36	1017·9	-6	W	4	zo	62	85	6	5	2	-	7-8	10	2500
12	Renfrew (Abbots I.)	19	1019·9	+2	WSW	3	dd	57	97	5	5	-	-	10	10	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1021·6	-4	SE'S	1	c	57	97	8	5	-	-	9	9	4000
13A	Tiree	22	1018·0	+4	SW	3	c	52	92	7	5	-	-	9	9	1500
13B	Stornoway ...	80	1014·9	+2	SW	4	c	53	85	7	8	7	-	7-8	9+	1800
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1015·4	+6	NE	1	c	59	92	9	5	7	1	2-3	7-8	3000
16	Lerwick ...	306	1013·7	-2	W'S	4	c	51	97	7	5	-	-	10	10	300
17	Blacksod Point	18	1020·3	-2	SW	1	c	55	92	7	5	-	-	10	10	1500
18	Malin Head ...	84	1019·9	+6	SW	3	c	55	85	8	5	-	-	7-8	7-8	4000
	Aldergrove ...	268	1021·3	+2	SW	3	c	60	85	7	5	-	-	10	10	2000
19	Birr Castle ...	173	1022·3	-2	SSW	1	c	59	92	8	5	-	-	9	9	2500
20	Valentia Obsy.	30	1023·6	0	S'W	4	d.d.	55	97	6	5	-	-	10	10	450
	Roches Point	22	1024·1	-8	SW	3	d.d.	55	97	6	5	-	-	9+	9+	450

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

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)	1025·8	+4	SW	2	zo	60	85		-	-	1	0	Tr	-	0	*
	Croydon ...	1025·7	+2	SSE	1	b	62	75	7	-	-	1	0	Tr	-	0	*
	S. Farnborough	1025·9	+2	SSW	1	b	60	75	8	-	-	-	0	0	-	1	*
	Boscombe Down	1026·5	+2	W	1	zo	55	85	6	5	-	-	2-3	2-3	1500	0	*
	Thorney Island	1026·2	+6	ENE	1	zo	58	85	6	5	-	-	1	1	5700	0	*
	Lympne ...	1026·5	+6	S	1	b	59	55	7	-	-	-	0	0	-	0	2
	Manston ...	1026·1	+6	-	0	b	61	85	7	-	-	-	0	0	-	0	*
2	Shoeburyness ...	1025·8	+6	SW'S	2	b	61	85	5	-	-	-	0	0	-	0	*
	Felixstowe ...	1025·4	+2	W'S	2	zo	61	85	6	-	4	1	0	Tr	-	0	1
	Gorleston ...	1024·4	-4	W	2	b	58	85	6	-	-	-	0	0	-	0	2
	Mildenhall ...	1024·8	+4	WSW	2	zo	60	85	6	-	-	1	0	Tr	-	0	*
	Cranwell ...	1025·1	+10	W'N	3	zo	58	92	6	5	-	-	10	10	800	0	*
3	Birmingham ...	1024·6	+2	WSW	2	c	57	85	6	5	2	-	9	10	1500	1	*
	Upper Heyford	1025·5	+6	SW	1	b	58	85	7	-	4	-	0	Tr	-	0	*
4	Ross-on-Wye	1024·9	0	S'W	3	zo	59	85	6	1	-	-	Tr	Tr	2500	0	*
5	Hartland Point	1025·6	+2	NE	2	cjf	55	97	6	5	2	-	7-8	10	1000	0	2
	Bristol ...	1026·1	+4	W	2	ejf	57	65	6	5	-	-	9+	9+	500	0	*
	Portland Bill ...	1025·9	+2	SW	1	jf	53	92	3	5	-	-	7-8	7-8	2500	1	2
	Plymouth ..	1026·3	+2	E	1	m	53	97	4	-	-	-	0	0	-	0	2
	The Lizard ...	1025·7	+4	E'N	3	jf	54	97	7	4	-	-	4-6	4-6	1500	1	2
	Scilly (St. Mary's)	1025·0	+18	SE'E	3	f	53	97	2	-	-	-	10	10	<150	0	2
	Guernsey ...																
6	Pembroke ...	1025·5	+4	S'E	3	f	53	97	2	-	-	-	10	10	<150	1	3
7	Holyhead ...	1023·3	+4	S	5	df	53	97	3	5	-	-	10	10	<150	1	2
	Chester (Sealand)	1023·6	0	SW	1	bc	61	75	8	4	-	8	1	2-3	2500	0	*
8	Manchester ...	1024·1	+2	S	1	zo	57	92	5	5	-	-	9+	9+	2500	0	*
10	Spurn Head ...	1023·6	+4	SW'S	3	zo	60	75	5	-	-	1	0	2-3	-	0	3
	Catterick ...	1022·6	+2	W'W	2	bc	62	75	8	5	3	1	2-3	4-6	4000	0	*
	Tynemouth ...	1022·4	+8	W	2	c	62	85	7	8	-	-	9	9	3200	0	2
11	St. Abbs Head	1019·6	+6	SW	3	c	57	92	8	5	4	-	4-6	9	2200	0	2
	Leuchars ...	1019·3	+14	SW	2	c	59	85	8	5	3	9	4-6	9	1800	1	*
12	Renfrew (Abbots I.)	1020·8	+8	WSW	2	rr	56	92	6	5	-	-	10	10	1000	1	*
	Eskdalemuir ...	1021·8	+6	SW'S	4	dF	52	97	1	-	2	-	10	10	450	1	*
	Point of Ayre...	1021·8	+4	SW'S	2	c	59	97	8	5	1	-	7-8	9+	2000	0	1
13A	Tiree	1018·8	+4	SW'W	3	c	54	92	7	5	-	-	9+	9+	1800	0	4
13B	Stornoway ...	1015·3	+4	SW	6	ir.	54	92	7	8	-	-	9+	9+	1000	1	3
15	Dalwhinnie ...	1019·9	+6	SSW	3	bc	53	75	8	7	4	2	2-3	4-6	1500	1	*
	Aberdeen ...	1017·7	+10	SW	2	c	61	65	5	5	7	-	Tr	9+	5500	0	1
	Wick ...	1016·6	+10	W'S	4	bc	56	65	8	5	4	9	2-3	4-6	2500	0	*
16	Lerwick ...	1014·5	+8	W	3	c	50	92	8	5	-	-	10	10	3100	*	*
17	Blacksod Point	1020·5	+4	S	2	fo.r.	55	97	7	6	-	-	10	10	1500	1	3
18	Malin Head ...	1020·0	+4	W	2	c/pr	55	85	8	6	-	-	9	9	1500	0	1
	Aldergrove ...	1021·3	+6	SW'S	3	c	58	92	8	5	2	-	4-6	10	600	0	*
19	Birr Castle ...	1022·5	+4	SSE	2	a	58	92	8	5	-	-	10	10	2500	0	*
20	Valentia Obsy.	1022·7	+2	SW	4	id.	55	97	6	5	-	-	10	10	800	1	3
	Roches Point	1023·2	0	SW	2	d.d.	56	97	6	5	-	-	9+	9+	450	1	3

PAST 24 HOURS.

District	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 16th Hrs. (36)
1	London (Kew)	73	52	41	-	-	14·5
	Croydon ...	75	51	49	-	-	14·7
	S. Farnborough		50	44		-	15·1
	Boscombe Down	72	50	40	-	Tr	12·9
	Thorney Island	68	46	41	-	-	
	Lympne ...	65	49	41	-	-	14·6
	Manston ...	66	52	48	-	-	13·5
2	Shoeburyness ...	70	54	44	-	-	13·3
	Felixstowe ...	66	53	49	-	-	14·9
	Gorleston ...	61	53	47	-	-	*
	Mildenhall ...	72	55	47	-	Tr	19·3
	Cranwell ...	72	55	52	-	-	15·0
3	Birmingham ...	72	55	47	-*	-	12·9
	Upper Heyford	73	49	42	Tr	Tr	*
4	Ross-on-Wye	72	51	44	-	-	12·6
5	Hartland Point	56	53	53		-	3·2
	Bristol ...	72	51	43	-	-	12·7
	Portland Bill ...	62	51	*		-	*
	Plymouth ..	59	50	44	-	-	9·6
	The Lizard ...	59	53	*	-	-	5·0
	Scilly (St. Mary's)	61	53	*	-	Tr	2·6
	Guernsey ...						
6	Pembroke ...	57	51	*	0·1	1	0·1
7	Holyhead ...	64	51		-	6	
	Chester (Sealand)	74	53	46	-	-	14·2
8	Manchester ...	72	47	42	-	-	10·8
10	Spurn Head ...	60	54	*	-	-	11·6
	Catterick ...	70	56	49	-	-	13·1
	Tynemouth ...	65	52	52	-	-	*
11	St. Abbs Head	71	53	*	-	-	*
	Leuchars ...	71	57	56	-		10·0
12	Renfrew (Abbots I.)	64	54	53	-	5	0·5
	Eskdalemuir ...	61	51	51	-	0·2	3·2
	Point of Ayre...	64	53	*	-	-	7·3
13A	Tiree	59		*	6	1	0·1
13B	Stornoway ...	56	52	*	0·5	Tr	1·0
15	Dalwhinnie ...	61	48	39	-	1	4·4
	Aberdeen ...	73	55	53	-	-	11·7
	Wick ...	64	50	47*	*	*	*
16	Lerwick ...	*	*	*	*	*	*
17	Blacksod Point	61	53	*	1	2	*
18	Malin Head ...	66	51	*	-	1	3·6
	Aldergrove ...	69	57	57	0·1	Tr	4·6
19	Birr Castle ...	71	57	56	-	-	0·9
20	Valentia Obsy.	61	55	55	Tr	0·6	0·0
	Roches Point	63	55	*	Tr	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	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	bzobc	bcy	bcybmw	73	52	41	-	-	14·5	•	•	8
Croydon	217	bzoby		bybew	75	51	49	-	-	14·7	•	•	7
Greenwich (Royal Observatory)...	149	wmby	bcy	bcb wby	75	54	43	-	-	14·4	46	53	7
City (Bunhill Row)	—	•	•	•	•	•	•	•	•		•	•	•
Westminster (St. James' Park) ...	27	•	•	•	74	54	48	—			55	63	•
Regents Pk. (Botanic Gardens)‡...	168	•	•	•	75	56	50	-	-		53	60	•
Camden Square	110	b	bc	•	77	57	50	-	-	*	•	61	•
Kensington	80	bc	bc	•	75	54	45	-	-		69	61	•
Hampstead Observatory	450	bc	bc	bc	72	54	49	-	-		•	61	•

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

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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

Wednesday 18th June 1941

No 29,063.

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

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)	1024·8	-8	S'W	3	b	69	65	8	1	-	-	Tr	Tr	2500
	Croydon	1024·7	-8	N	1	b	75	55	8	-	-	-	0	0	-
	S. Farnborough	1024·8	-10	W'N	2	b	74	55	8	-	-	-	0	0	-
	Boscombe Down	1025·1	-12	S	3	b	72	55	8	-	-	-	0	0	-
	Thorney Island	1025·7	-6	SSE	3	b	65	65	8	-	-	-	0	0	-
	Lympne	1025·8	-4	SE	2	b	65	75	8	-	-	-	0	0	-
	Manston	1025·6	-10	SSW	2	b	73	55	8	-	-	-	0	0	-
2	Shoeburyness	1025·1	-10	S'W	2	b	75	55	8	-	-	-	0	0	-
	Felixstowe	1025·0	-4	S'W	4	b	68	65	7	-	-	-	0	0	-
	Gorleston	1024·6	-2	E'S	3	b	67	65	6	-	-	-	0	0	-
	Mildenhall	1023·9	-8	SW	3	b	75	55	8	1	-	-	1	1	3500
	Cranwell	1024·2	-10	WS	4	zo	73	65	6	1	7	-	4-6	4-6	2000
3	Birmingham	1024·2	-2	SSW	2	bc	67	65	8	5	-	-	4-6	4-6	2500
	Upper Heyford	1024·3	-10	SW	2	b	71	65	7	1	-	1	Tr	1	2000
4	Ross-on-Wye	1023·9	-4	WSW	3	b	70	65	7	1	-	1	1	1	4000
5	Hartland Point	1024·3	-8	NE	2	bc	59	85	9	1	-	-	2-3	2-3	3000
	Bristol	1024·7	-10	S	1	b	71	65	8	1	-	1	Tr	Tr	4000
	Portland Bill	1025·5	-10	E	1	bc	59	92	8	2	-	-	2-3	2-3	4000
	Plymouth	1025·4	-4	SSW	3	bc	65	75	8	-	-	4	0	4-6	-
	The Lizard	1024·5	-6	E	4	if	57	92	3	5	-	-	10	10	600
	Scilly (St. Mary's)	1023·9	-6	ESE	3	f	50	85	3	-	-	-	10	10	<150
	Guernsey														
6	Pembroke	1025·0	-6	SSE	2	c	56	97	8	5	-	-	9+	9+	2500
7	Holyhead	1025·7	0	S	4	ojf	57	92	8	5	-	-	10	10	300
	Chester (Sealand)	1023·4	-6	WNW	2	c	67	65	8	5	-	-	9+	9+	2500
8	Manchester	1023·8	-2	S'W	2	zo	66	78	6	5	3	2	7-8	9+	2100
10	Spurn Head	1023·5	0	SE	2	zo	60	85	6	7	-	-	4-6	4-6	4000
	Catterick	1022·0	-6	W	3	c	70	55	8	1	-	6	2-3	9	4000
	Tynemouth	1022·4	+2	SE	2	c	64	65	7	8	4	-	4-6	7-8	2800
11	St. Abbs Head	1020·5	+2	WNW	2	c	55	92	8	5	7	-	7-8	10	1000
	Leuchars	1019·8	+6	WSW	5	ido	66	65	8	5	7	-	2-3	9+	2500
12	Renfrew (Abbotsinch)	1021·5	+4	WSW	3	dodo	58	92	6	5	2	-	4-6	10	600
	Eskdalemuir	1022·3	+6	SW'S	4	dd	54	97	5	-	2	-	10	10	220
	Point of Ayre	1022·3	+2	SE	2	c	66	75	8	5	7	-	4-6	9+	2500
13A	Tiree	1019·3	+2	S'W	4	c	58	85	7	5	3	-	4-6	7-8	1500
13B	Stornoway	1018·5	+26	SW	6	c	58	97	8	8	-	-	9+	9+	1400
15	Dalwhinnie	1020·4	+6	SSW	4	bc	64	55	8	8	4	-	2-3	4-6	2500
	Aberdeen	1019·0	+6	S'W	2	c/r	62	65	8	-	7	-	0	10	6500
	Wick	1017·4	+4	SW	4	c	64	55	9	1	4	2	7-8	9+	2500
16	~~Lerwick~~ Sumburgh	1016·5	+14	SW	4	c	54	85	8	7	7	9	4-6	7-8	1200
	Blacksod Point	1020·9	+2	SW	2	c	58	85	8	5	-	-	9+	9+	2500
	Malin Head	1020·5	+2	WNW	2	c	60	75	8	2	7	2	4-6	7-8	2000
	Aldergrove	1021·6	+2	SSW	3	ro	62	85	8	5	2	-	9	10	1800
19	Birr Castle	1022·3	-2	S	2	c	65	75	8	5	1	-	7-8	10	2500
20	Valentia Obsy. †	1022·6	0	S	4	c	58	85	7	5	1	-	9+	10	1500
	Roches Point	1022·9	-2	SSW	3	c	61	85	9	5	-	5	4-6	7-8	1500

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

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)	1022·8	-10	SW	3	bc	71	65	8	-	9	4	0	4-6	-	0	*
	Croydon																*
	S. Farnborough	1023·0	-6	SW'W	3	bc	72	55	8	-	8	9	0	4-6	-	0	*
	Boscombe Down	1023·3	-10	S	3	bc	69	65	8	-	-	9	0	2-3	-	0	*
	Thorney Island	1024·1	-12	S	2	bc	62	75	8	-	-	9	0	2-3	-	0	
	Lympne	1024·1	-10	SSE	1	bc	65	75	8	-	-	9	0	2-3	-	0	§
	Manston	1024·0	-8	SSW	2	bc	71	45	9	-	-	4	0	2-3	-	0	*
2	Shoeburyness	1024·4	-4	SE'S	2	bc	69	75	8	-	-	4	0	2-3	-	0	*
	Felixstowe	1023·1	-14	S	4	bc	62	75	7	-	-	4	0	2-3	-	0	3
	Gorleston	1022·9	-10	SSE	3	bc	70	55	7	-	-	8	0	2-3	-	0	3
	Mildenhall	1022·0	-14	SW'W	3	bc	77	95	8	1	-	2	Tr	2-3	4000	0	*
	Cranwell	1022·5	-12	SW'W	3	bc	74	65	7	1	-	-	1	2-3	3000	0	*
3	Birmingham	1022·1	-10	SW	2	bc	72	55	8	7	-	1	4-6	4-6	4000	0	*
	Upper Heyford	1022·7	-10	SW'S	2	c	74	55	8	-	8	2	0	7-8	-	0	*
4	Ross-on-Wye	1021·8	-16	SW	3	b	73	55	8	4	-	1	Tr	1	4000	0	*
5	Hartland Point	1022·6	-12	NE	3	bc	60	75	9	1	4	4	1	2-3	3000	0	2
	Bristol	1022·7	-8	S'W	2	b	72	55	8	-	-	9	0	1	-	0	*
	Portland Bill	1023·3	-10	E	1	c	58	92	8	2	-	-	7-8	7-8	4000	1	2
	Plymouth	1023·5	-14	SW	3	c	58	85	7	-	-	4	0	7-8	-	0	2
	The Lizard	1022·8	-12	ENE	4	cft	55	97	2	5	-	-	10	10	300	0	3
	Scilly (St. Mary's)	1022·2	-10	SSE	3	f	56	97	2	-	-	-	10	10	<150	0	3
	Guernsey																
6	Pembroke	1024·1	-6	SE'S	2	bc	57	92	9	4	4	4	2-3	4-6	4000	0	3
7	Holyhead	1022·2	-12	SSW	4	c	57	92	9	7	-	-	9+	9+	3200	1	3
	Chester (Sealand)	1022·4	-6	NW	1	c	65	95	8	5	7	1	7-8	9	3000	0	*
8	Manchester	1022·8	-4	NW'W	3	c	63	85	8	5	3	1	4-6	9+	2800	0	*
10	Spurn Head	1021·3	-6	SW	2	zo	75	35	6	-	-	-	0	0	-	0	2
	Catterick	1021·6	-4	WNW	3	c	65	65	7	5	7	6	2-3	7-8	2500	0	
	Tynemouth	1021·9	-4	SE	1	zo	63	85	6	8	-	-	9	9	2800	0	2
11	St. Abbs Head	1019·9	-6	W	4	c	63	75	9	5	7	-	7-8	9+	2000	0	2
	Leuchars	1019·3	-6	WSW	4	c	65	65	8	5	7	9	4-6	7-8	2500	0	*
12	Renfrew (Abbotsinch)	1020·9	-2	W'N	1	c	59	85	8	5	1	-	9	10	1600	1	*
	Eskdalemuir	1021·8	-4	SSW	4	dd	53	97	4	-	2	-	10	10	220	1	*
	Point of Ayre	1021·5	-4	SW'W	3	o	63	85	8	7	7	-	4-6	9+	2500	0	2
13A	Tiree	1019·2	0	SSW	3	c	56	92	7	5	3	8	4-6	7-8	1800	0	4
13B	Stornoway	1017·6	0	SSW	6	c	54	92	7	8	-	-	10	10	1000	1	4
15	Dalwhinnie	1019·6	-4	SSW	4	c	59	55	8	8	3	-	2-3	9+	2500	0	*
	Aberdeen	1017·5	-12	SW'W	4	bc	68	45	8	1	7	9	Tr	4-6	3800	0	1
	Wick	1016·9	-2	WSW	3	c	64	55	9	4	4	2	2-3	7-8	4000	0	
16	~~Lerwick~~ Sumburgh																*
	Blacksod Point	1020·4	-6	SW	2	c	57	85	8	-	7	-	0	9+	-	0	3
	Malin Head	1020·1	-4	WNW	2	c	56	85	8	8	-	-	7-8	7-8	4000	0	2
	Aldergrove	1020·8	-6	SW'W	2	c	63	85	9	5	1	-	9	9+	3000	0	*
19	Birr Castle	1020·9	-2	S	1	c	60	92	8	5	1	-	7-8	10	2500	0	*
20	Valentia Obsy. †	1021·5	-2	SW'W	3	cd	58	85	8	5	-	-	10	10	1500	0	3
	Roches Point	1021·7	-10	SSW	2	c	60	85	9	5	-	-	9+	9+	1500	0	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 17th (37)	Weather. 13h.—18h. 17th (38)	Weather. 18h. 17th to 1h. 18th (39)	Weather. 1h.—7h. 18th (40)
1	London (Kew)	b	bbcybc	bcw	bcczdw
	Croydon	by		bcb	bcw
	S. Farnborough	bby	bbcy	ybc	bc
	Boscombe Down	bmobcb		bczcb	bbcw
	Thorney Island	b		bcbw	bw
	Lympne	byb	b	bcbw	bbc
	Manston	biby	by	bcybcb	bbccbc
2	Shoeburyness	bmoby	bybc	bc	bcmow
	Felixstowe	bmozob	bbc	bc	bc
	Gorleston	b	bbczo	bcyzbczo	bcmo
	Mildenhall	bmoby	bbcyby	bybbc	
	Cranwell	cmobc	bcmobyb	bbc	bccmo
3	Birmingham	bbc	bc	bc	bcc
	Upper Heyford	c	by	bcybc	bccmo
4	Ross-on-Wye	bzobc	bby	bbc	bccmo
5	Hartland Point	cbcv	bc	bc	bcc
	Bristol	cifwmybcb	bby	bybccbcw	bccwmocw
	Portland Bill	bc	c	cbc	bcc
	Plymouth	bbc	bbc	bccbcmo	bcmocmobcmo
	The Lizard	FF	fFF	bcw	bc
	Scilly (St. Mary's)	offc	off	FFc	cbcw
	Guernsey				
6	Pembroke	cbc	cbcv	c	
7	Holyhead	mxmobc	jfdomw		wcfbco
	Chester (Sealand)	cbcc	c	bcmowofo	cfci.iw
8	Manchester	cmozo	czoc	bc,bcfgffw	bffcmffw
10	Spurn Head	bzobc	bz	bzo	cz
	Catterick	bccy	yboz.c	cbcc	c
	Tynemouth	c	c	cbc	bc
11	St. Abbs Head	c	c	c	irc
	Leuchars	cccyeido	cidoc	ccmo	cmoirc
12	Renfrew (Abbotsinch)	rodododo	dodoc	ccmomic	cirofcmo
	Eskdalemuir	dodofd.	odd	ddodo	dodd
	Point of Ayre		c	c	cproc
13A	Tiree	c.	c	c	cbc
13B	Stornoway	circ	cpro	cpsrrpre	circ
15	Dalwhinnie	bc.	bccy		c
	Aberdeen	cycirc	irobcy	bcyc	crrobc
	Wick		c	c	r
16	~~Lerwick~~ Sumburgh			c	
	Blacksod Point	c	c	irc	bc
	Malin Head	c	c	ccpropréc	cidoc
	Aldergrove	cidoiro	circ		dodomodofc
19	Birr Castle	c	c	odd	c
20	Valentia Obsy. †	cidoc	cid.	cidocircido	dodocb
	Roches Point	c	c	dd	dd.

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.*

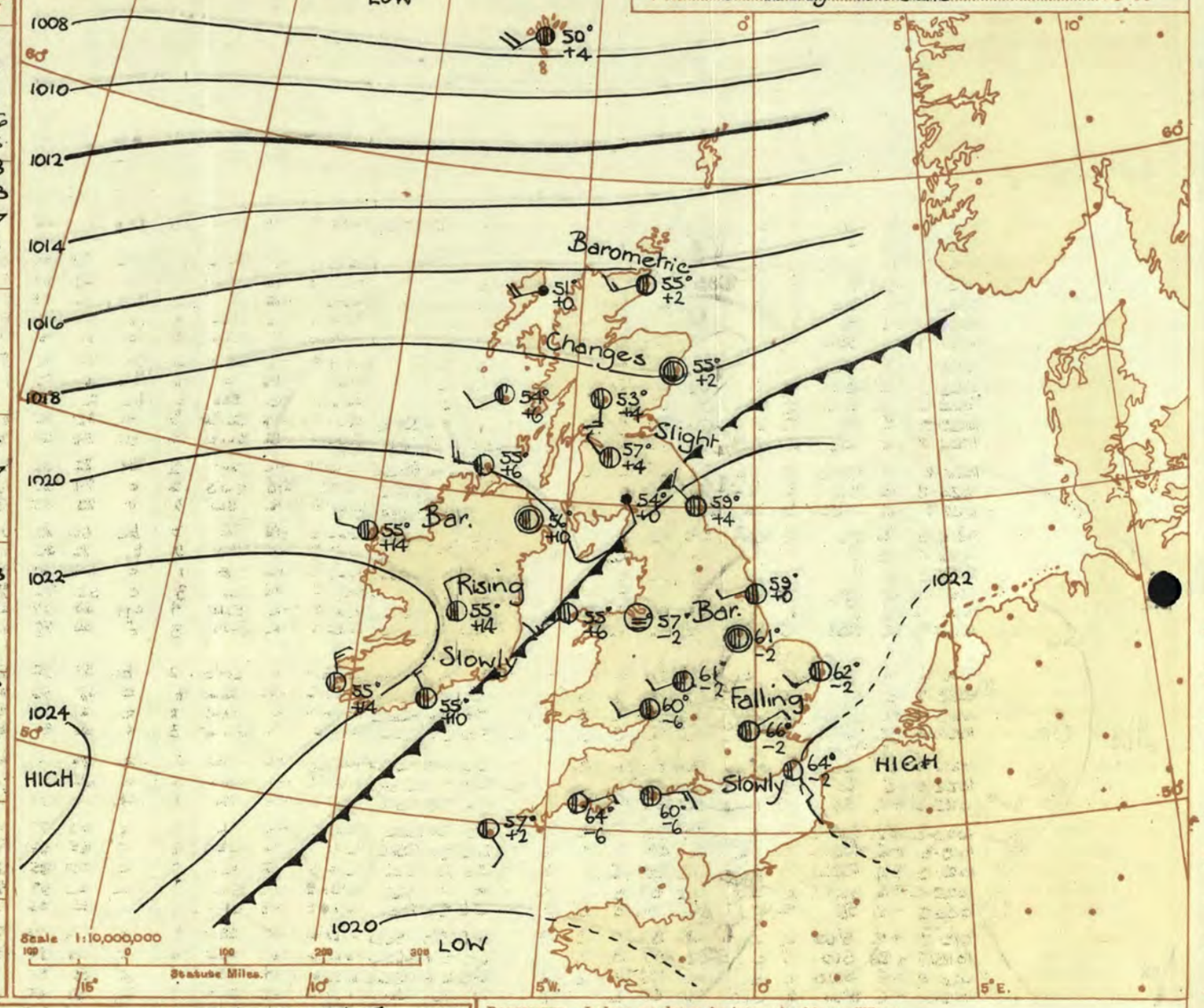
Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 17th June			18h. G.M.T.			01h. G.M.T. 18th June			07h. G.M.T.		
IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 70	02863	22524	53	02861	22515	5-	02856	19326	5-	02847	21487
115 07	22890	14167	52	02944	20527	--	48109	20589	5-	09738	20548
203			5-	02837	18527	6-	64738	16668	5-	02838	18528
206 83	02964	24426	53	02964	23326	5-	01864	20124	73	02865	20266
210 50	01964	21424	73	01962	22415	57	02861	20327	5-	02866	27126
220 52	03845	23528	52	03845	22528				52	03735	23428
230 53	02855	18367	83	02855	20327	51	52854	18268	5-	52548	18368
245 5-	02973	20318	29	02963	22467	07	02790	22227	27	22851	22267
260 5-	61648	24268	53	22640	21067	57	02745	00027	5-	22858	22168
277											
279 5-	52625	18458	67	05626	19437				5-	52528	19258
285 23	02634	24627							13	01744	24315
288 10	02964	21226	00	05690	24425	57	01662	18115	73	02864	20126
273											
301 5-	02868	24260	5-	02867	26227	51	02864	20128	5-	05568	18228
321 10	05662	20215	83	02763	19314	50	05553	00013	53	05552	00015
299 57	05654	22215				50	05553	26213	57	05654	20115
292 07	05690	24227	00	05690	24314	07	01790	21113	57	02863	22227
310 --	01635	20315							--	01634	20314
316 50	05664	20214	40	05661	20213	50	47334	00014	03	08490	10145
333 52	51826	16358	70	01964	16354	07	01990	00014	5-	02868	00028
334 --	02747	21327							--	03647	12328
340			50	01962	29314	03	05590	28104	03	41590	06246
136 14	01763	20313	14	01762	18314	04	05690	00015	29	05662	19217
336 51	02752	20328	54	01762	20313				53	01762	16314
350 10	05654	18214	10	01761	20213	54	02765	18225	53	02763	20226
368 14	00853	17113									
379 10	01751	18302	08	11890	18301	03	01790	20213	23	25763	18286
390 00	05690	08200	05	05690	18113	50	05663	19214	08	05690	00014
382 10	00861	22311	03	00890	20301	03	01890	00013	08	02790	00026
438									01	01762	12112
430			08	01890	16214	03	00790	00002	08	00890	18113
409 04	00890	14311	04	02890	16315	04	05690	12224	53	01761	16213

III = Index Number of Station—See M.O. 252 or list issued on 1st of each month.
ww, W = Present and past weather—See M.O. 252.
h, N$_h$ = Height and amount of low cloud—See M.O. 252.
N = Total amount of cloud—See M.O. 252.
C$_L$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. Wednesday 18th June 1941



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 18th June 1941
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light variable winds; mainly fair, but chance of thunder towards end of period; 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. 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	Light or moderate west or southwest wind; cloudy with slight local rain; average temperature.
19 S. E. Ireland 20 S. W. Ireland	Light variable winds; fair; average temperature.

GENERAL INFERENCE.

Pressure is rather uniform over the southern half of the British Isles, and low to the north of Scotland. Weather will be fair and rather warm in the South though with a tendency for thunder towards the end of the period. In the North it will be cloudy with slight local rain and with average temperature.

FURTHER OUTLOOK.

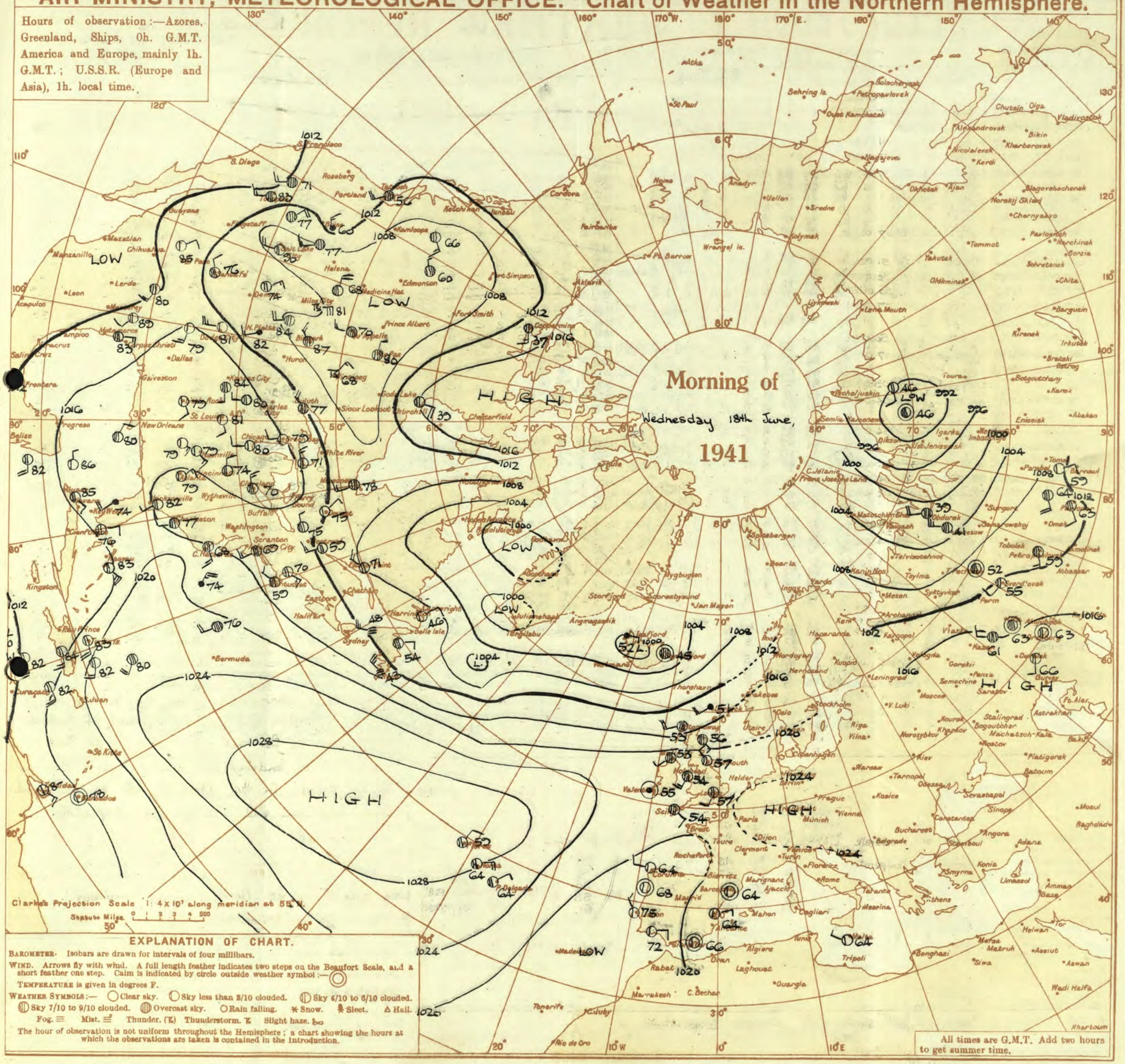
Little change in the North. Thundery conditions developing in southern districts.

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. G.266. No. 8176. D. 6034. Gp. 942. 3300. 5/41

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



AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 18th June, 1941

No. 29,063

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

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	1022.7	-2	SSW	2	bc	57	85	7	-	8	-	0	4.6	-
	S. Farnborough	226	1022.6	-6	—	0	bc	55	85	7	-	-	2	0	2.3	-
	Boscombe Down	417	1023.3	-6	SSE	1	bc	53	85	7	-	7	3	0	2.3	-
	Thorney Island	10	1022.8	-6	—	0	b	51	92	7	-	-	4	0	1	-
	Lympne ...	346	1023.5	-6	—	0	bc	50	97	8	-	7	1	0	2.3	-
	Manston ...	154	1023.1	-6	SE	2	b	57	75	8	-	-	3	0	1	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1022.6	-4	SE	2	bc	61	85	8	-	-	3	0	4.6	-
	Gorleston ...	5	1022.0	-2	SW	2	20	61	75	6	5	-	-	4.6	4.6	1500
	Mildenhall ...	19	1021.7	-2	SW'S	3	bc	63	75	7	-	7	-	0	4.6	-
	Cranwell ...	240	1022.1	-4	NW'N	1	20	60	92	5	-	3	1	0	4.6	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1022.4	-2	—	0	bc	59	92	7	-	4	2	0	4.6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1021.5	-8	S	3	bc	59	85	8	5	-	-	4.6	4.6	2500
	Bristol ...	209	1022.2	-2	SE	1	bc	58	85	7	-	7	-	0	2.3	-
	Portland Bill ...	32	1022.1	-4	E	2	bc	53	92	8	4	-	-	4.6	4.6	4000
	Plymouth ...	82	1022.4	-10	SE	2	20	55	97	6	-	-	2	0	2.3	-
	The Lizard ...	240	1021.5	-8	NE'E	3	bc	55	97	8	8	-	1	4.6	4.6	2500
	Scilly (St. Mary's)	163	1021.3	-6	SE'E	2	c	54	97	6	5	4	3	2.3	7.8	1500
	Guernsey ...	175														
6	Pembroke ...	142	1021.7	-10	SE'E	2	f	55	85	8	4	3	-	4.6	7.8	2500
7	Holyhead ...	26	1021.0	-6	S'W	3	f	54	97	7	5	-	-	10	10	3000
	Chester (Sealand)	16	1021.7	-6	—	0	bf+	51	92	3	-	3	8	0	2.3	-
8	Manchester ...	70	1021.7	-6	NNE	1	bf+	48	97	2	5	7	2	2.3	4.6	4000
10	Spurn Head ...	29	1021.7	0	NW	2	20	57	92	6	-	-	-	0	0	-
	Catterick ...	175	1021.0	-10	WSW	1	c	57	85	7	5	7	7	1	0+	1500
	Tynemouth ...	108	1021.1	-6	NW	2	bc	57	85	6	2	4	-	2.3	4.6	2500
11	St. Abbs Head	280	1019.0	-10	SW	3	c	57	85	8	5	2	-	7.8	10	1500
	Leuchars ...	36	1018.8	-4	SW	2	20	56	85	6	5	-	-	0	0	4000
12	Renfrew (Abbots I.)	19	1020.1	-2	W'N	1	10	56	97	4	5	-	-	10	10	800
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1020.3	-6	—	0	c	54	97	8	5	1	-	7.8	10	2500
13A	Tiree ...	22	1019.1	0	SW	3	c	53	92	7	5	-	-	0+	0+	1500
13B	Stornoway ...	80	1016.7	-10	WSW	4	c	53	85	7	5	9	-	4.6	7.8	1400
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	131	1016.7	-6	SW	2	c	54	85	9	5	3	-	1	0+	3500
16	Stumbburgh ...	35	1015.5	-10	WSW	4	10	51	85	8	5	7	-	0	10	1800
17	Blacksod Point	18	1020.4	-4	SW	1	c/r	54	97	7	5	-	-	10	10	1500
18	Malin Head ...	84	1019.9	-2	SW	1	c/pr	53	92	7	8	-	-	0	0	1500
	Aldergrove ...	268	1020.2	-2	SW	1	dd	58	97	5	5	-	-	10	10	800
19	Birr Castle ...	173	1020.9	-4	SSW	1	dd	56	97	7	5	-	-	10	10	1500
20	Valentia Obsy.	30	1021.2	-4	—	0	id	55	97	5	5	-	-	10	10	<150
	Roches Point	22	1020.7	-4	S	2	dd	55	97	6	5	-	-	2.3	10	250

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

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)	1021.8	-2	-	0	20	62	75	6	5	3	2	2.3	7.8	4000	1	*
	Croydon ...	1021.7	-2	ENE	1	c	66	65	7	-	5	4	0	7.8	-	0	*
	S. Farnborough	1021.7	-4	—	0	c	63	75	7	-	5	5	0	7.8	-	0	*
	Boscombe Down	1021.9	-6	E	1	c	61	75	7	-	3	-	0	7.8	-	0	*
	Thorney Island	1021.5	-4	NE'E	2	bc	63	75	7	-	8	3	0	2.3	-	0	
	Lympne ...	1022.2	-2	SE	1	bc	64	85	6	-	-	1	0	2.3	-	0	§
	Manston ...	1021.8	-2	—	0	bc	64	75	7	-	-	2	0	2.3	-	0	*
2	Shoeburyness ...	1022.0	-2	SSW	1	c	64	75	6	-	-	6	0	7.8	-	0	*
	Felixstowe ...	1021.7	-6	SW	2	c	62	85	7	-	8	8	0	7.8	-	0	1
	Gorleston ...	1021.5	-2	SW	2	bc	62	85	6	-	7	5	0	4.6	-	0	3
	Mildenhall ...	1020.9	0	SW'S	3	20	64	75	6	-	9	2	0	9	-	0	*
	Cranwell ...	1021.3	-2	-	0	20	61	85	6	-	7	6	0	9+	-	0	*
3	Birmingham ...	1020.5	-2	WSW	1	c	61	85	6	8	3	-	4.6	9+	2500	0	*
	Upper Heyford	1021.4	-2	SW'W	2	c	60	85	7	8	9	-	4.6	9+	4500	0	*
4	Ross-on-Wye	1021.1	-6	WSW	2	20	60	92	6	5	9	-	1	9	4000	0	*
5	Hartland Point	1020.6	+2	SE	2	c	62	85	8	7	-	-	9		2600	0	3
	Bristol ...	1021.2	-8	SSE	1	c	61	85	7	5	9	9	2.3	9+	5700	0	*
	Portland Bill ...	1020.5	-6	E	3	c	60	92	8	2	-	-	7.8	7.8	2500	1	2
	Plymouth ...	1020.7	-6	E'N	1	20	64	75	6	-	4	-	0	2.3	-	0	2
	The Lizard ...	1020.6	-2	E'N	3	bc	57	85	8	4	-	-	4.6	4.6	3500	0	3
	Scilly (St. Mary's)	1020.4	+2	SE	2	bc	57	97	7	5	-	3	1	2.3	1500	0	2
	Guernsey ...																
6	Pembroke ...																
7	Holyhead ...	1020.5	+6	SW'S	3	c/f	55	97	7	5	9	-	4.6	9+	2500	1	2
	Chester (Sealand)	1020.6	-2	-	0	m	57	85	4	5	3	-	1	9+	4000	1	*
8	Manchester ...	1020.9	+2	-	0	cf+	55	97	3	-	3	-	0	9	-	1	*
10	Spurn Head ...	1020.6	0	W'S	1	20	59	92	5	-	-	2	0	7.8	-	0	1
	Catterick ...	1020.2	+2	W	1	c	61	75	8	5	8	-	7.8	7.8	4500	0	*
	Tynemouth ...	1020.1	+4	NW	2	c	59	85	6	8	-	-	7.8	7.8	1800	0	2
11	St. Abbs Head	1019.2	+6	NNE	1	c	57	85	8	5	7	-	7.8	10	2000	0	2
	Leuchars ...	1018.9	+8	WNW	2	c	57	85	8	-	7	-	0	10	-	0	*
12	Renfrew (Abbots I.)	1020.0	+4	WNW	1	c	57	92	8	5	-	-	9+	9+	5000	1	*
	Eskdalemuir ...	1019.5	0	S'E	2	ido	54	97	6	-	2	-	10	10	220	1	*
	Point of Ayre ...	1019.8	0	NW	2	c	55	97	7	6	2	-	7.8	10	1500	0	2
13A	Tiree ...	1020.1	+6	SW'W	3	bc	54	85	7	5	-	-	2.3	2.3	2100	0	3
13B	Stornoway ...	1017.6	0	WSW	4	10	51	92	7	8	-	-	7.8	7.8	1500	1	3
15	Dalwhinnie ...	*	+4	9	3	c	53	85	8	8	-	-	9+	9+	1500	0	*
	Aberdeen ...	1017.8	+2	-	0	c/r	55	92	8	-	7	-	0	7.8	-	1	1
	Wick ...	1016.7	+2	WSW	3	bc	55	75	8	5	4	-	4.6	4.6	3000	0	*
16	Stumbburgh ...																
17	Blacksod Point	1021.9	+14	W	1	c	55	92	8	3	6	-	2.3	7.8	1500	0	2
18	Malin Head ...	1020.2	+6	W	3	bc/d	55	92	7	5	3	1	2.3	4.6	800	0	1
	Aldergrove ...	1020.9	+12	-	0	c	56	97	7	5	7	-	2.3	7.8	3000	1	*
19	Birr Castle ...	1021.6	+14	NW	1	c	55	92	8	5	1	-	7.8	10	2500	0	*
20	Valentia Obsy.	1022.4	+14	N'W	3	bc	55	92	9	5	4	-	2.3	2.3	800	1	3
	Roches Point	1021.0	+10	NW	3	c/d	55	97	8	5	-	-	7.8	7.8	800	1	3

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)	Rainfall Night 18h–7h mm. (35)	Sunshine 17th Hrs. (36)
1	London (Kew)	77	54	42	-	-	15.0
	Croydon ...		52	48		-	15.0
	S. Farnborough	76	51	45	-	-	15.1
	Boscombe Down	73	49	44	-	Tr	13.8
	Thorney Island	65	47		-	-	
	Lympne ...	68	49	42	-	-	15.0
	Manston ...	74	54	48	-	-	14.4
2	Shoeburyness ...	76	52	41	-	-	14.5
	Felixstowe ...	70	56	51	-	-	13.8
	Gorleston ...	76	55	52	-	-	*
	Mildenhall ...	78	58	51	-	-	14.4
	Cranwell ...	75	56	50	-	-	8.7
3	Birmingham ...	74	58	48	-	-	7.3
	Upper Heyford	75	56	50	-	-	*
4	Ross-on-Wye	74	57	51	-	-	13.8
5	Hartland Point	60	58	54	-	-	10.2
	Bristol ...	75	54	47	-	-	10.9
	Portland Bill ...	59	53	*	-	-	*
	Plymouth ...	66	54	53	-	-	10.9
	The Lizard ...	58	53	*	-	-	2.5
	Scilly (St. Mary's)	59	53	*	Tr	-	0.0
	Guernsey ...						
6	Pembroke ...			*	-		
7	Holyhead ...	58	51	51	Tr	-	0.1
	Chester (Sealand)	71	51	47	-	-	6.6
8	Manchester ...	69	46	41	-	-	1.7
10	Spurn Head ...	76	55	*	-	-	12.2
	Catterick ...	73	54	48	-	-	11.1
	Tynemouth ...	72	55	52	-	-	*
11	St. Abbs Head	63	50	*	-	Tr	*
	Leuchars ...	67	55	52	Tr	Tr	2.0
12	Renfrew (Abbots I.)	61	54	53	1	0.1	0.1
	Eskdalemuir ...	55	52	51	3	3	0.0
	Point of Ayre ...			*	-	Tr	0.8
13A	Tiree ...	60	52	*	-	-	0.1
13B	Stornoway ...	59	48	*	Tr	Tr	1.6
15	Dalwhinnie ...	65	50	46	-	-	10.7
	Aberdeen ...	70	54	51	Tr	2	1.7
	Wick ...	66	52	50	*	*	*
16	Stumbburgh ...			*			
17	Blacksod Point	61	53	*	0.2	1	*
18	Malin Head ...	61	52	*	0.4	1	2.4
	Aldergrove ...	65	53	53	Tr	2	0.1
19	Birr Castle ...	65	54	54	-	0.6	0.0
20	Valentia Obsy.	61	54	50	Tr	1	0.3
	Roches Point	63	55	*	Tr	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	b	bbcybc	bcwzlw	77	54	42	-	-	15.0	•	•	7
Croydon ...	217	by		bcbbcw		52	48		-	15.0	•	•	7
Greenwich (Royal Observatory) ...	149	by	by	bbcwzlg	80	53	39	-	-	14.6	50	57	6
City (Bunhill Row) ...	—	•	•	•	•	•	•	•	•		•	•	•
Westminster (St. James' Park) ...	27	•	•	•	79	56	48	-			51	59	•
Regents Pk. (Botanic Gardens)‡ ...	168	•	•	•	80	57	49	-	-		47	52	•
Camden Square ...	110	b	b	•	83	58	51	-	-	*	•	49	•
Kensington ...	80	bc	bc	•	81	55	48	-	-		53	53	•
Hampstead Observatory ...	450	bc	bc	bc	77	55	49	-	-		•	61	•

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	5-7h 18th	<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.
Paris ...										
Brussels ...										
Berlin ...										
Zürich ...										
Rome ...										

Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	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—glassy.	5 Rough.
1 Calm—rippled.	6 Very rough.
2 Smooth.	7 High.
3 Slight.	8 Very high.
4 Moderate.	9 Phenomenal.

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

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Thursday 19th June 1941

No 29,064

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

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)	1020·3	-10	-	0	c	77	55	1	7	-	2	4-6	7-8	2500
	Croydon	1020·1	-8	SSW	2	bc	81	45	7	1	-	5	4-6	4-6	4500
	S. Farnborough	1020·2	-8	WSW	1	c	79	55	7	1	-	1	7-8	7-8	3000
	Boscombe Down	1020·1	-14	S	2	bc	78	55	8	1	-	1	4-6	4-6	3500
	Thorney Island	1021·0	-2	SSW	3	bc	70	75	7	1	-	4	1	4-6	4000
	Lympne	1021·1	-6	SE	1	zo	71	75	6	-	-	8	0	2-3	-
	Manston	1020·5	-6	SW'W	1	zo	79	55	6	1	-	9	Tr	Tr	3000
2	Shoeburyness	1020·3	-12	SE	3	bc	72	75	7	2	3	9	2-3	4-6	4000
	Felixstowe	1020·8	-8	S	2	bc	69	65	7	1	9	1	Tr	2-3	3500
	Gorleston	1021·0	0	NNE	4	c	69	55	6	5	7	-	4-6	7-8	2500
	Mildenhall	1020·6	-4	WNW	1	bc	77	55	8	2	3	-	4-6	4-6	3500
	Cranwell	1021·6	-2	W	2	PR	67	75	7	8	3	-	7-8	7-8	3000
3	Birmingham	1020·6	-4	SW	2	bc	72	55	8	1	8	-	1	4-6	4000
	Upper Heyford	1020·2	-10	N'W	1	c	75	55	8	2	3	-	7-8	7-8	4500
4	Ross-on-Wye	1020·0	-6	N'W	2	c	72	65	7	7	-	-	9+	9+	4000
5	Hartland Point	1021·2	0	NNE	2	c/f	58	92	7	5	6	-	4-6	7-8	2500
	Bristol	1020·2	-6	-	0	c	74	65	7	7	-	-	7-8	7-8	3000
	Portland Bill	1020·8	+4	NE	2	c	61	85	8	2	3	1	7-8	9	2500
	Plymouth	1020·9	-2	SW	3	c	63	75	7	2	-	7	Tr	7-8	3000
	The Lizard	1020·9	0	N	3	bc	64	85	8	2	5	-	4-6	4-6	3200
	Scilly (St. Mary's)	1021·6	+2	N'E	2	c	61	85	7	5	-	-	9+	9+	1500
	Guernsey														
6	Pembroke	1021·8	+2	WNW	2	bcjf	58	92	7	2	7	-	2-3	2-3	4000
7	Holyhead	1021·5	+6	WNW	3	c/f	62	92	6	9	6	-	9	9+	1000
	Chester (Sealand)	1020·4	-6	-	0	c	58	55	7	8	7	-	7-8	7-8	2500
8	Manchester	1020·8	-4	W'S	3	bc	68	65	7	2	-	-	4-6	4-6	2900
10	Spurn Head	1021·2	0	SSE	2	zo	56	92	5	8	-	-	9+	9+	1500
	Catterick	1020·2	-4	WNW	2	c	68	65	8	8	8	-	7-8	7-8	2800
	Tynemouth	1020·6	0	SSE	2	c/pr	59	85	6	8	-	-	9	9	1800
11	St. Abbs Head	1019·5	+2	W	1	bc	59	75	8	4	3	-	4-6	4-6	2500
	Leuchars	1018·9	-2	W	4	bc	69	45	8	5	-	-	4-6	4-6	3500
12	Renfrew (Abbots L.)	1020·9	+2	W	3	c	64	65	9	8	-	-	7-8	7-8	3500
	Eskdalemuir	1019·8	0	W	3	c	62	75	8	8	3	-	7-8	7-8	2500
	Point of Ayre	1021·4	+6	NW'W	2	bc	61	85	8	5	-	-	2-3	2-3	1500
13A	Tiree	1021·8	+4	W'S	3	c	58	85	8	5	3	-	4-6	7-8	2100
13B	Stornoway	1018·3	+6	W	5	c/pr	55	75	8	8	7	-	7-8	9+	1500
15	Dalwhinnie	1020·3	+8	S	3	c	59	65	8	8	-	2	7-8	9+	2500
	Aberdeen	1018·0	+2	N'W	3	bc	69	55	9	2	-	-	4-6	4-6	4500
	Wick	1018·0	+6	W	4	c	60	65	9	8	-	-	9+	9+	3000
16	Lerwick	1016·2	+12	WSW	4	c/r	52	85	8	5	3	-	4-6	9	800
17	Blacksod Point	1023·1	+4	W	3	bc	60	75	8	2	-	-	2-3	2-3	4000
18	Malin Head	1021·9	+6	W	4	bc	59	75	8	7	-	2	2-3	4-6	5700
	Aldergrove	1022·1	+4	W'N	2	c	64	65	9			-	7-8	7-8	2500
19	Birr Castle	1022·4	+4	NW	2	c	68	65	8	8	1	-	7-8	9	1500
20	Valentia Obsy. †	1023·8	+4	NNW	3	b	61	75	9	7	-	-	Tr	Tr	2500
	Roches Point	1022·5	+8	N	3	c	60	75	9	5	-	-	7-8	7-8	2500

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

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)	1019·3	-4	SSW	3	c	76	65	8	8	-	8	7-8	9+	2500	0	*
	Croydon	1019·4	-4	SSW	1	c	76	55	7	2	-	3	1	7-8	4000	0	*
	S. Farnborough	1019·4	-4	SSW	3	c	75	65	8	1	-	2	2-3	7-8	3000	0	*
	Boscombe Down	1019·7	+2	S	3	c	73	46	7	2	-	2	1	7-8	3500	0	*
	Thorney Island	1020·2	-2	SSW	2	c	69	75	7	-	-	3	0	9	-	0	
	Lympne	1020·2	-6	-	0	c	72	65	8	-	7	6	0	9	-	0	§
	Manston	1020·3	-2	-	0	c	73	65	7	-	-	6	0	9	-	0	*
2	Shoeburyness	1019·9	-4	SE'E	2	c	68	75	7	-	9	4	0	9	-	0	*
	Felixstowe	1020·4	-2	ENE	3	zo	66	75	6	4	-	-	4-6	4-6	3500	1	2
	Gorleston	1021·3	0	-	0	bc	62	85	5	-	3	-	0	2-3	-	0	0
	Mildenhall	1019·8	-4	-	0	bc	77	45	8	8	-	-	2-3	2-3	3500	0	*
	Cranwell	1021·0	-2	WNW	4	bc	73	55	7	1	3	-	2-3	2-3	5000	0	*
3	Birmingham	1020·4	0	NNE	2	c	70	55	7	8	-	-	7-8	7-8	2500	0	*
	Upper Heyford	1019·9	+4	N'W	2	bc	75	65	8	7	3	2	2-3	4-6	4000	0	*
4	Ross-on-Wye	1019·3	-6	NNW	1	b	73	65	7	2	-	-	1	1	4000	0	*
5	Hartland Point	1021·5	+2	NW	3	bc	60	85	8	1	-	3	1	4-6	2500	0	3
	Bristol	1020·0	+2	W	3	bc	73	75	7	2	3	1	2-3	4-6	3000	0	*
	Portland Bill	1021·3	0	W	1	c	62	85	8	2	3	2	9	9	2500	1	2
	Plymouth	1020·7	-2	NNW	3	bc	72	65	7	2	-	8	4-6	4-6	2000	0	2
	The Lizard	1020·8	0	NNW	3	bc	68	75	8	7	-	-	4-6	4-6	3500	0	2
	Scilly (St. Mary's)	1022·0	+6	N	3	c	58	85	8	5	-	-	9+	9+	1500	0	2
	Guernsey																
6	Pembroke	1021·7	-2	NNW	3	bc	59	85	7	2	7	-	2-3	2-3	4000	0	3
7	Holyhead	1022·2	+2	NW'N	3	b	57	92	8	8	-	-	Tr	Tr	2800	1	2
	Chester (Sealand)	1021·6	+6	NW'W	4	c	57	77	5	5	-	-	10	10	200	1	*
8	Manchester	1021·0	+2	NW'W	3	b	69	65	8	1	5	-	Tr	1	4000	0	*
10	Spurn Head	1020·7	-2	SE	3	zo	57	92	5	5	-	-	9	9	2500	0	1
	Catterick	1020·2	+2	SSE	1	c	69	65	8	8	6	-	4-6	7-8	1500	0	
	Tynemouth	1020·7	+2	SE	3	zo	60	85	6	8	-	-	7-8	7-8	2500	1	2
11	St. Abbs Head	1020·6	+8	NW	2	c	62	75	8	5	4	-	7-8	7-8	2500	0	2
	Leuchars	1019·7	+8	NNW	4	bc	67	55	9	4	-	1	2-3	2-3	3500	0	*
12	Renfrew (Abbots L.)	1021·9	+6	NW	3	bc	59	65	9	8	4	-	4-6	4-6	3500	0	*
	Eskdalemuir	1020·9	+8	NW'N	4	bc	63	55	8	7	-	-	2-3	2-3	2500	1	*
	Point of Ayre	1022·3	0	NW	3	b	61	85	8	1	-	-	Tr	Tr	2500	0	2
13A	Tiree	1022·8	+2	W'S	2	c	56	85	8	5	-	-	9	9	2100	0	3
13B	Stornoway	1019·7	+6	WSW	4	c/pr	55	75	8	8	7	-	7-8	9+	2000	1	2
15	Dalwhinnie	1021·9	+4	WSW	4	bc	58	55	8	8	-	-	4-6	4-6	2500	0	*
	Aberdeen	1019·9	+10	ESE	2	bc	59	65	8	7	-	9	2-3	2-3	3100	0	1
	Wick	1019·4	+8	NW'W	4	c	58	75	9	7	3	1	9+	9+	2500	*	*
16	Lerwick	1017·6	+12	W	4	bc	52	85	8	1	3	1	2-3	2-3	2000	*	*
17	Blacksod Point	1023·7	-2	W	2	c	58	85	8	-	7	-	0	10	-	0	2
18	Malin Head	1022·6	+2	NW'W	4	bc	58	85	8	4	-	9	2-3	4-6	5700	0	2
	Aldergrove	1022·5	+2	NNE	2	c	63	75	9	8	-	-	9	9	3000	0	*
19	Birr Castle	1022·7	-2	N	1	c	68	65	8	5	-	-	7-8	7-8	2500	0	*
20	Valentia Obsy. †	1024·5	+6	NNW	3	b	61	75	9	1	-	5	Tr	1	2500	0	3
	Roches Point	1022·7	0	N	3	c	63	85	9	5	-	-	9	9	2500	1	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 18th (37)	Weather. 13h.—18h. 18th (38)	Weather. 18h. 18th to 1h. 19th (39)	Weather. 1h.—7h. 19th (40)
1	London (Kew)	czobccy	cbcyc	bcycbew	bcbzow
	Croydon	bcy	bcy	cyb	bmow
	S. Farnborough	bcyc	yc	cybmo	bumofmo
	Boscombe Down	bc	bc	bcbzo	bmow, f
	Thorney Island	bbc	bcc	cbcbmofg	bmofgmow
	Lympne	bczo	bccy ⊕	c ◐ bcb	bwb
	Manston	bc,bzoy	bzobbcc	cbcbumo	bmow
2	Shoeburyness	bcmobc	bczc	cbcbmo	bmow
	Felixstowe	bcybc	bbzo		bmobcmo
	Gorleston	bczoy	bczo	bczozo	bczoaffz
	Mildenhall	ezobcy	bcby		bmowbcmoc
	Cranwell	r	cpRbcby	b	bbcmo
3	Birmingham	cpr.bc	bc	bc	ccm
	Upper Heyford	ccpr.cbcy	cybc	czobcbzo	bmobcmo
4	Ross-on-Wye	pcc	cbcb	bcmoc	cmow
5	Hartland Point	cbcff	cbcfc	bc	bcFF
	Bristol	cwbcmoc	cbc	bcmoc	cmow
	Portland Bill	c	c	bc	bc
	Plymouth	bcbc	bcbc	cbbcmo	cmofbmjf
	The Lizard	bc	bc	bcw	bc
	Scilly (St. Mary's)	bcc	c	cbcb	om, cof
6	Pembroke	fcbc	bc	ifcbc	ifbc
7	Holyhead	mpr.c	cfmqb	wb	wb
	Chester (Sealand)	cbcpr.c	bbccmo	bw	bcbmow
8	Manchester	ffprc	bcb	bmobfgwf	bwFF
10	Spurn Head	pr	cmo	cm	bzff
	Catterick	r.pRbc	bcc	cbcbc	cbcc
	Tynemouth	cop	cmo	bcmo	bc
11	St. Abbs Head	c	c	bc	bc
	Leuchars	bcbcbt	bcy	b	bbc
12	Renfrew (Abbots L.)	cbcc	cbcybc	bcbw	bcwfgc
	Eskdalemuir	id.r.r.c	cbc by	bybw	bwb
	Point of Ayre	cbc	bcb	bbw	bw
13A	Tiree	c	c	c	co
13B	Stornoway	civ.pr.	cpro	c *	cpr
15	Dalwhinnie	c	cbcy	*	bcc
	Aberdeen	c	bcybc	bc	bbc
	Wick	pr	c	bc	c
16	Lerwick	r	bc	d	d
17	Blacksod Point	bc	c	c	c
18	Malin Head	bc	bc	c	cvc
	Aldergrove	c,bc,c	cbcyc	cbcw	bcemoc
19	Birr Castle	c	c	bcb	bbc
20	Valentia Obsy. †	bcvb	b	bbcwbw	bwife
	Roches Point	bcc	c	bcb	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/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.*

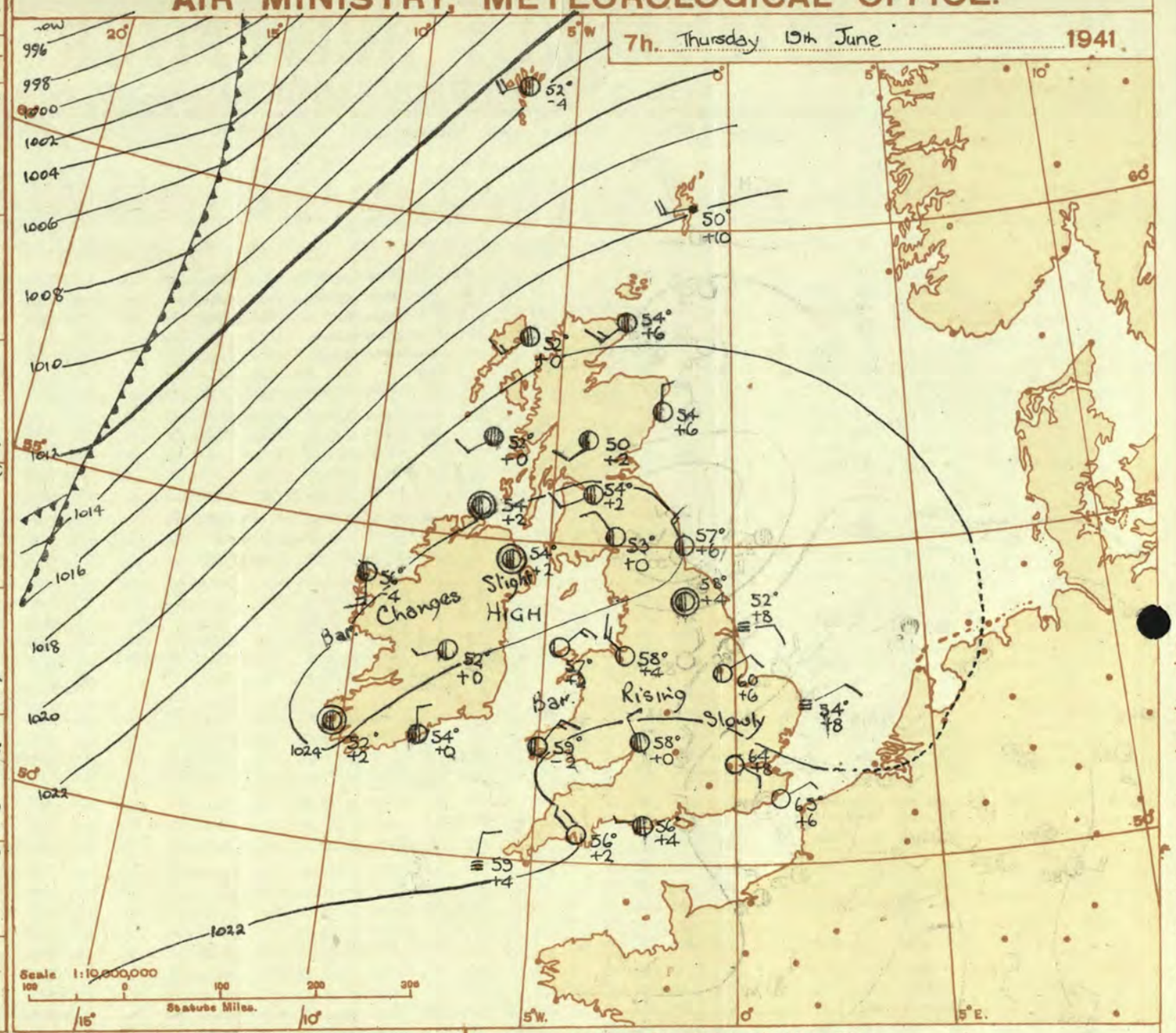
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 19th June 1941.

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 18th June			18h. G.M.T.			01h. G.M.T. 19th June			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	36	01854	37524	57	02874	24527	5-	51856	22326	5-	02866	20426
115	52	81735	22488	53	02944	20487	52	02844	20427	52	02934	20387
203	5-	02847	20247	5-	02948	20228	5-	02948	21428	5-	02938	16428
206	83	02865	24326	73	01863	24324	73	01863	24223	5-	02968	20228
210	5-	01965	21425	54	01963	23414	57	01861	18114	5-	02967	20127
220	53	02844	22327	53	01843	23214				52	03844	20318
230	7-	02957	18427	57	02967	20328	5-	02858	20228	5-	02868	00028
245	10	01954	23414	4-	02965	37415	50	00861	27102	00	01990	21315
260	8-	01865	22315	70	01963	22313	40	01761	24214			
277												
279	83	02754	20225	23	01951	20213				04	00890	00001
285	23	02745	24427							50	00852	28402
288	87	01854	22164	5-	41457	01147	50	17465	00085	50	05665	08115
273												
301	13	01863	26294	50	05633	28323	00	00790	28100	03	05690	04214
321	23	05564	10116	83	05664	30215	--	48103	00049	00	41690	32140
299	57	01754	16215	00	50690	12200	5-	05546	22216	50	05552	26112
292	56	01755	22285	20	00751	31212	53	05664	30214	03	05690	28213
310	--	01634	20464							--	05533	04313
316	82	05654	18264	04	00890	28101	00	08490	32110	--	44305	30149
333	52	02745	28228	10	09861	28441	00	00890	26200	5-	01865	30215
334	--	01753	16203							--	02554	12216
340	20	01754	00614	50	00761	30401	10	05561	28311			
136	59	81644	00037	07	05690	12218				04	05690	08302
336	53	01762	16314	53	01762	26313				53	01762	32313
350	18	01763	24214	87	05663	32214	50	00661	04211	85	05663	04324
368	50	05667	32317							5-	05648	00028
379	10	01864	24114	40	01863	04213	5-	05666	04216	20	05565	08215
390	13	01763	26114	78	01764	04114	50	05563	04413	00	05690	08200
382	84	01865	20115	26	01763	02114	00	05690	32101	5-	05661	00001
438	00	00790	22102							00	00790	00000
430	20	01771	16214	00	02790	16216	00	05590	32100	00	05690	12100
409	5-	05637	02347	5-	02737	01317	5-	02738	32128	5-	09408	32128

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. Thursday 19th June, 1941.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light variable or easterly wind, fine apart from some coastal fog; warm inland, cool in places on the coasts.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Light variable wind; fine; warm inland but cool in places on the coasts.
13 A. W. Scotld. / B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands 17 N. W. Ireland	Freshening S.W. wind, cloudy, occasional rain later; moderate temperature.
18 N. E. Ireland	As 7-12.
19 S. E. Ireland 20 S. W. Ireland	As 1-6.

GENERAL INFERENCE.

A deep depression over West Iceland is moving N.E. and a shallow depression off Portugal will spread slowly N.E. A ridge of high pressure extends from the Azores over the British Isles. Weather will continue fine and warm over most of the country but some rain is probable later in the northwest.

FURTHER OUTLOOK.

Occasional rain in Northwest; fair in most other areas but a tendency for thunder in the South.

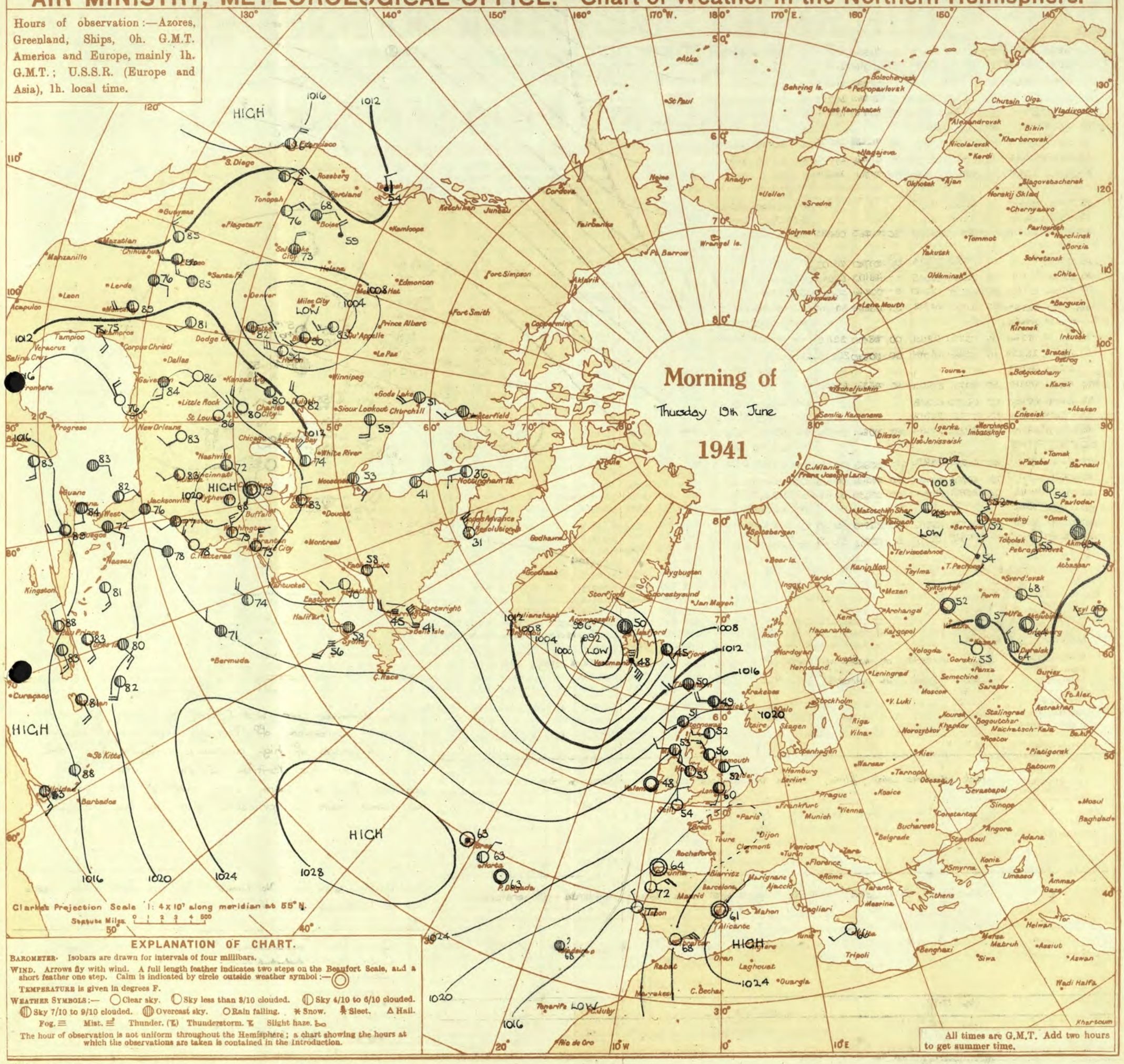
Warm front
Cold front
Occlusion

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

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

H.M.S.O. Press, Cornwall House, S.E.1.
G.266.Wt. 0176.D.6034.Gp.943.9300.5/41

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. (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.

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 19th June 1941

No. 29,064

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

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	1020·8	+2	SSW	1	Zo	60	92	6	-	-	1	0	2-3	-
	S. Farnborough	226	1020·8	-2	-	0	Zo	61	92	6	-	-	-	0	0	-
	Boscombe Down	417	1020·8	-2	WNW	1	Zo	59	92	6	-	-	-	0	0	-
	Thorney Island	10	1020·6	0	-	0	fg	55	97	5	-	-	-	0	0	-
	Lympne ...	346	1021·5	+2	-	0	b	56	92	7	-	-	-	0	0	-
	Manston ...	154	1021·3	-2	SE'S	1	Zo	59	85	5	-	-	1	0	Tr	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1021·8	+6	NE	2	Zo	57	85	6	5	-	8	2-3	2-3	5700
	Gorleston ...	5	1022·1	+4	ENE	1	bc	56	92	6	-	7	-	0	4-6	-
	Mildenhall ...	19	1021·8	+4	ES	2	Zo	57	92	6	5	-	-	1	1	5000
	Cranwell ...	240	1022·7	+2	E	1	Zo	57	92	5	-	-	-	0	0	-
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1021·3	+2	NNE	2	Zo	63	92	6	4	-	-	1	1	3500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1022·0	-4	SSW	2	bcjf	53	97	6	5	-	-	4-6	4-6	1500
	Bristol ...	209	1021·6	+6	WNW	2	Zo	57	97	6	5	-	-	1	1	4000
	Portland Bill ...	32	1021·0	-6	NW	1	bc	57	92	7	5	-	-	4-6	4-6	2500
	Plymouth ..	82	1022·2	0	NNW	1	Zo	55	97	6	5	-	-	4-6	4-6	1500
	The Lizard ...	240	1022·2	+8	N	3	bc	54	97	8	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1022·7	-2	N	2	b	54	97	4	-	-	-	0	0	-
	Guernsey ...	175														
6	Pembroke ...	142	1023·3	0	N	4	if	53	97	2	4	3	-	2-3	4-6	3000
7	Holyhead ...	26	1022·3	0	WNW	2	b	53	97	7	5	-	-	Tr	Tr	7200
	Chester (Sealand)	16	1023·2	+2	NW	1	b	53	85	7	-	3	-	0	Tr	-
8	Manchester ...	70	1023·3	+6	W'N	1	bft	49	97	3	-	-	-	0	0	-
10	Spurn Head ...	29	1022·2	+4	E	2	Zo	52	97	5	5	-	-	7-8	7-8	2500
	Catterick ...	175	1023·1	+6	NNW	2	c	56	85	7	5	-	-	9	9	2800
	Tynemouth ...	108	1023·0	+10	NW	3	bc	56	85	6	2	-	-	2-3	2-3	2500
11	St. Abbs Head	280	1022·1	+4	WNW	3	bc	54	92	8	4	4	-	2-3	2-3	2500
	Leuchars ...	36	1022·4	+6	W	2	b	50	85	8	-	4	-	0	Tr	-
12	Renfrew (Abbots I.)	19	1023·7	+2	WS	1	bc	45	92	8	5	3	1	1	2-3	4500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1024·0	+6	NW'N	1	b	49	97	8	-	4	-	0	Tr	-
13A	Tiree	22	1023·6	0	SW	1	c	52	92	8	5	*	*	9	9	2500
13B	Stornoway ...	80	1021·6	+8	SW	2	c	51	92	7	8	7	-	7-8	9+	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	89	1021·5	+2	WSW	1	bc	52	85	9	5	7	-	2-3	4-6	2500
16	Lerwick ...	130	1019·6	+6	SW	4	c/d	49	92	7	5	7	-	4-6	9+	800
17	Blacksod Point	18	1023·6	-4	-	0	c	56	85	8	-	7	-	0	10	-
18	Malin Head ...	84	1024·0	+4	W	2	c	53	85	8	5	-	-	7-8	7-8	5700
	Aldergrove ...	268	1024·8	+6	ESE	1	bc	48	92	7	5	-	-	4-6	4-6	2500
19	Birr Castle ...	173	1024·1	+6	WNW	1	b	50	92	8	-	-	-	0	0	-
20	Valentia Obsy.	30	1024·8	-2	-	0	b	48	97	9	5	-	1	Tr	Tr	4000
	Roches Point	22	1024·2	+2	N	2	b	55	85	8	5	-	-	1	1	4000

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

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)	1021·8	+10	ENE	2	Zo	65	75	5	-	-	-	0	0	-	0	*
	Croydon ...	1021·7	+8	ESE	1	Zo	64	75	5	-	-	-	0	0	-	0	*
	S. Farnborough	1021·5	+6	E	1	Zo	63	85	5	-	-	-	0	0	-	0	*
	Boscombe Down	1021·8	+6	-	0	f-	58	97	2	-	-	-	0	0	-	0	
	Thorney Island	1021·1	+4	ENE	1	Zo	63	85	6	-	-	-	0	0	-	0	§
	Lympne ...	1021·7	+6	ENE	1	Zo	65	85	6	-	-	-	0	0	-	0	*
	Manston ...	1022·2	+10	E'N	2	Zo	61	85	6	-	-	-	0	0	-	0	
2	Shoeburyness ...	1022·5	+14	E'N	2	b	61	85	6	-	-	-	0	0	-	0	*
	Felixstowe ...	1022·7	+6	E'N	3	Zo	59	85	6	-	3	-	0	4-6	-	0	2
	Gorleston ...	1023·6	+8	ENE	2	F	54	92	1	-	-	-	10	10	4150	0	1
	Mildenhall ...	1022·3	+4	ENE	2	c	64	75	7	-	7	-	0	7-8	-	0	*
	Cranwell ...	1023·5	+6	ENE	2	Zo	60	92	6	-	3	-	0	2-3	-	0	
3	Birmingham ...	1022·4	+2	NNE	2	m	59	85	4	5	-	-	9+	9+	4000	0	*
	Upper Heyford	1021·7	+2	NE'S	3	Zo	63	85	6	5	4	-	2-3	4-6	2500	0	*
4	Ross-on-Wye	1021·9	0	NW'N	2	Zo	58	85	6	5	-	-	9+	9+	2500	0	*
5	Hartland Point	1021·7	0	WSW	3	F	55	97	1	-	-	-	10	10	4150	1	3
	Bristol ...	1021·8	0	NNE	1	m	59	92	4	5	-	-	10	10	1500	0	*
	Portland Bill ...	1020·9	+4	W	1	c	56	92	7	4	4	-	7-8	9	2500	1	2
	Plymouth ..	1022·1	+2	NWW	1	bjf	56	97	5	-	-	1	0	1	-	0	2
	The Lizard ...	1022·3	+8	N	2	bc	55	97	8	2	3	-	2-3	2-3	2500	0	1
	Scilly (St. Mary's)	1022·4	+4	N'E	2	ft	55	97	2	-	-	-	10	10	4150	0	1
	Guernsey ...																
6	Pembroke ...	1022·1	-2	NE'N	3	bc	59	92	7	7	7	1	2-3	2-3	4000	0	3
7	Holyhead ...	1023·3	+2	NE	3	b	57	85	8	-	3	-	0	Tr	-	1	2
	Chester (Sealand)	1023·4	+4	WNW	3	Zo	58	85	6	5	-	-	Tr	Tr	4000	1	*
8	Manchester ...	1023·4	+2	W'S	1	F-	52	97	1	-	-	-	10	10	4150	1	
10	Spurn Head ...	1023·4	+8	E	2	F+	52	97	0	-	-	-	10	10	4150	1	2
	Catterick ...	1023·9	+4	-	0	c	58	75	7	5	-	-	7-8	7-8	3500	0	*
	Tynemouth ...	1024·0	+6	NW	3	bc	57	75	7	-	3	-	0	4-6	-	0	2
11	St. Abbs Head	1022·8	+4	W	3	b	54	75	9	4	4	-	Tr	1	2500	0	2
	Leuchars ...	1023·1	+8	WNW	2	bc	55	65	9	-	-	9	0	2-3	-	0	*
12	Renfrew (Abbots I.)	1024·0	+2	WSW	2	c	54	85	8	5	-	-	9+	9+	3500	0	*
	Eskdalemuir ...	1023·8	0	NW	2	bc	53	75	8	5	4	-	2-3	2-3	2500	1	
	Point of Ayre ...	1024·4	+4	-	0	b	55	92	8	-	-	-	0	0	-	0	1
13A	Tiree	1022·8	0	SW	2	o	52	92	8	5	-	-	10	10	2500	0	3
13B	Stornoway ...	1021·6	0	SW	3	c/pr	52	92	7	8	7	-	7-8	10	1500	1	2
15	Dalwhinnie ...	1023·0	+2	SW	2	c	50	85	8	5	-	-	9	9	4000	0	
	Aberdeen ...	1023·0	+6	N	1	bc	54	65	8	5	-	6	Tr	2-3	4500	0	0
	Wick ...	1021·8	+6	SW'S	3	c	54	85	9	5	-	-	9+	10	2500	0	*
16	Lerwick ...	1020·5	+10	W'S	4	id o	50	92	8	5	7	-	7-8	9+	600		*
17	Blacksod Point	1023·6	-4	S	3	c	56	85	8	-	7	-	0	9	-	0	3
18	Malin Head ...	1023·6	+2	-	0	c	54	85	8	8	-	-	7-8	7-8	5700	0	0
	Aldergrove ...	1024·6	+2	-	0	c	54	85	7	5	-	-	9+	9+	2000	0	*
19	Birr Castle ...	1024·2	0	WSW	1	bc	52	92	8	-	-	1	0	2-3	-	0	*
20	Valentia Obsy.	1024·3	+2	-	0	c	52	97	8	5	-	4	Tr	9	800	0	0
	Roches Point	1023·4	0	N	2	bc	54	85	8	-	-	5	0	2-3	-	0	3

PAST 24 HOURS.

District	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 ~~18th~~ hrs. (36)
1	London (Kew)	81	64	48	-	-	10·8
	Croydon ...	82	55	53	-	-	12·8
	S. Farnborough	81	54	48	-	-	10·3
	Boscombe Down	79	55	48	-	Tr	8·8
	Thorney Island	72	51	47	-	-	*
	Lympne ...	76	53	45	-	-	12·9
	Manston ...	80	53	45	-	-	13·3
2	Shoeburyness ...	75	59	48	-	-	12·5
	Felixstowe ...	72	56	53	-	-	12·7
	Gorleston ...	76	53	50	-	-	*
	Mildenhall ...	79	54	47	-	Tr	10·9
	Cranwell ...	73	52	46	1	-	6·0
3	Birmingham ...	74	55	52	0·2	-	4·5
	Upper Heyford	79	59	55	Tr	Tr	*
4	Ross-on-Wye	76	55	51	Tr	-	0·0
5	Hartland Point	63	52	50	-	Tr	7·8
	Bristol ...	77	57	49	-	-	8·2
	Portland Bill ...	63	50	*	-	-	*
	Plymouth ..	72	53	55	-	-	12·4
	The Lizard ...	70	51	*	-	-	14·3
	Scilly (St. Mary's)	62	53	*	-	-	3·7
	Guernsey ...						
6	Pembroke ...	60	51	*	-	-	8·8
7	Holyhead ...	63	51	42	Tr	-	7·6
	Chester (Sealand)	72	50	46	Tr	-	6·6
8	Manchester ...	71	42	38	Tr	-	9·4
10	Spurn Head ...	63	51	*	Tr	-	4·7
	Catterick ...	72	51	43	1	-	4·1
	Tynemouth ...	69	52	49	1	-	*
11	St. Abbs Head	63	50	*	Tr	Tr	*
	Leuchars ...	71	46	43	-	-	10·0
12	Renfrew (Abbots I.)	67	43	37	-	-	4·4
	Eskdalemuir ...	67	36	29	Tr	-	7·4
	Point of Ayre ...	64	44	*	1	-	7·6
13A	Tiree	61	52	*	-	-	2·9
13B	Stornoway ...	60	49	*	0·2	0·3	1·3
15	Dalwhinnie ...	61	38	28	-	-	6·7
	Aberdeen ...	68	48	41	-	-	10·2
	Wick ...	*	49	46	*	*	*
16	Lerwick ...	*		*	*		
17	Blacksod Point	61	46	*	-	-	*
18	Malin Head ...	60	48	*	-	-	13·2
	Aldergrove ...	68	46	42	-	-	7·4
19	Birr Castle ...	69	43	39	-	-	5·0
20	Valentia Obsy.	63	44	41	Tr	0·1	12·2
	Roches Point	67	53	*	-	-	*

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	czcbcey	cbeyc	beycbzw	81	64	48	-	-	10·8	*	*	6
CROYDON	217	bey	bey	eybmw	82	55	53	-	-	12·8	*	*	6
GREENWICH (Royal Observatory)...	149				83	57	48	-	-	10·2	48	69	6
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
WESTMINSTER (St. James' Park) ...	27	*	*	*	82	60	53	-	-		55	72	*
REGENTS PK. (Botanic Gardens)‡...	168	*	*	*									*
CAMDEN SQUARE	110	bc	bc	*	85	59	54	-	-	*	*	67	*
KENSINGTON	80	bc	bc	*	85	58	52	-	-		53	65	*
HAMPSTEAD OBSERVATORY	450	bc	c	bem	80	57	53	-	-		*	69	*

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.
0·4	7h 19th	<0·1	9-23h

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

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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 20th June, 1941

No. 29,065.

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

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)	1021·7	-6	ESE	3	zo	76	55	6	7	–	–	7-8	7-8	2500
	Croydon	1021·3	-8	SSE	2	c	77	65	7	2	–	–	7-8	7-8	3000
	S. Farnborough	1021·2	-4	SE'E	2	c	78	55	8	7	–	1	4-6	7-8	3500
	Boscombe Down	1021·2	-6	SSW	3	zo	78	55	7	2	–	–	4-6	4-6	3500
	Thorney Island	1021·8	+2	S'E	2	bc	68	75	7	1	–	1	2-3	4-6	4000
	Lympne	1021·8	-2	NE	2	b	75	65	7	–	–	–	0	0	–
	Manston	1022·5	-2	ENE	3	zo	69	75	6	–	–	–	0	0	–
2	Shoeburyness	1023·0	-2	E'N	2	b	66	85	6	–	–	–	0	0	–
	Felixstowe	1023·1	-2	ENE	3	zo	62	75	6	–	3	–	0	1	–
	Gorleston	1024·1	+2	NE'E	2	b	58	85	6	–	–	–	0	0	–
	Mildenhall	1022·1	-6	SE'S	2	bc	78	55	8	1	–	9	1	2-3	3000
	Cranwell	1023·7	-2	ESE	4	bc	74	65	7	5	3	–	4-6	4-6	5000
3	Birmingham	1021·8	-4	SE	2	c	73	55	6	7	–	–	9	9	4000
	Upper Heyford	1021·1	-6	SE	3	zo	77	56	6	8	–	–	7-8	7-8	3500
4	Ross-on-Wye	1020·7	-8	E	2	zo	75	65	6	2	–	–	4-6	4-6	1500
5	Hartland Point	1022·2	0	WSW	2	F	55	97	1	–	–	–	10	10	<150
	Bristol	1021·7	-4	W	1	zo	74	65	6	2	–	–	4-6	4-6	3200
	Portland Bill	1022·2	+6	W	1	bc	63	92	7	2	–	–	4-6	4-6	1500
	Plymouth	1022·2	0	SW	3	b	64	85	8	1	–	1	Tr	1	3000
	The Lizard	1023·0	+6	W	3	bc	62	85	8	2	4	–	2-3	4-6	3500
	Scilly (St. Mary's)	1022·9	+2	SE'E	2	f	58	92	2	–	–	–	10	10	<150
	Guernsey														
6	Pembroke	1022·1	0	N	3	c	70	75	7	7	6	–	4-6	7-8	3500
7	Holyhead	1023·4	-6	NNE	4	c	61	75	8	–	3	2	0	9	–
	Chester (Sealand)	1022·6	-8	WNW	4	b	66	65	7	–	–	–	0	0	–
8	Manchester	1022·2	-8	WNW	2	zo	74	55	6	5	–	–	4-6	4-6	6500
10	Spurn Head	1024·3	+4	NNE	3	b	55	92	7	–	–	1	0	Tr	–
	Catterick	1022·6	-12	SSE	2	c	73	55	6	8	6	–	7-8	7-8	4000
	Tynemouth	1024·2	0	SE	3	bc	58	75	7	2	–	–	2-3	2-3	3400
11	St. Abbs Head	1023·5	0	N	1	b	58	92	9	1	4	–	1	1	2500
	Leuchars	1022·9	-4	ESE	2	bc	66	55	8	1	–	–	2-3	2-3	3200
12	Renfrew (Abbots I.)	1024·0	-4	W	3	c	61	65	9	8	–	–	7-8	7-8	2800
	Eskdalemuir	1023·1	-2	WNW	2	b	63	65	8	1	–	–	1	1	4000
	Point of Ayre	1024·5	0	ENE	1	b	62	75	8	1	–	4	Tr	1	2500
13A	Tiree	1023·3	0	SSW	3	o	57	85	8	5	–	–	10	10	2500
13B	Stornoway	1021·5	-4	SSW	5	c	54	85	8	8	7	–	9	10	1500
15	Dalwhinnie	7023·2	0	SW	3	bc	61	55	8	1	–	9	1	2-3	4000
	Aberdeen	1023·4	+4	S'E	3	b	59	55	8	7	–	1	Tr	Tr	3800
	Wick	1022·4	+2	SSW	3	o	57	75	9	5	–	–	10	10	3500
16	~~Lerwick~~ Sumburgh	1021·9	+8	SW'W	4	c	54	85	8	5	–	–	10	10	2500
17	Blacksod Point	1023·9	0	WSW	2	c	58	75	8	–	7	–	0	10	–
18	Malin Head	1023·9	+2	N	1	c	58	75	8	8	–	–	7-8	7-8	5700
	Aldergrove	1023·9	-10	WNW	1	bc	66	55	8	1	–	1	4-6	4-6	3000
19	Birr Castle	1023·2	-6	SSE	2	bc	71	55	8	1	–	4	4-6	4-6	2500
20	Valentia Obsy. †	1024·3	0	W	3	c	60	75	9	1	–	2	Tr	9	2500
	Roches Point	1023·5	-4	SSW	2	bc	66	85	9	1	–	5	2-3	4-6	4000

OBSERVATIONS at 18h. G.M.T. 19th June

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)	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)	1021·2	0	E	4	zo	75	55	6	8	–	9	2-3	4-6	2500	0	*
Croydon	1021·2	0	ESE	3	bc	73	75	7	2	–	2	4-6	4-6	3500	0	*
S. Farnborough	1020·6	0	SW'W	3	b	76	65	8	2	–	1	Tr	1	4500	0	*
Boscombe Down	1020·8	-2	S'W	2	b	74	55	7	2	–	1	Tr	1	5000	0	*
Thorney Island	1021·6	-2	SSW	2	b	65	85	7	–	–	1	0	Tr	–	0	
Lympne	1021·9	+2	NE'N	2	bc	71	75	7	–	–	2	0	4-6	–	0	§
Manston	1022·5	+4	NE'N	2	zo	62	75	6	4	–	1	4-6	7-8	4500	0	*
Shoeburyness	1022·9	-2	ENE	2	bc	62	92	6	–	–	4	0	2-3	–	0	*
Felixstowe	1022·8	-2	ENE	3	zo	56	92	6	5	3	–	2-3	4-6	200	0	2
Gorleston	1023·9	-2	E'N	1	f	53	92	2	–	–	–	10	10	<150	0	3
Mildenhall	1021·9	0	SE'E	3	bc	75	55	8	1	7	–	1	4-6	3000	0	*
Cranwell	1022·7	-4	ESE	4	c	69	65	7	–	3	1	0	7-8	–	0	*
Birmingham	1020·3	-4	SE	2	c	75	55	7	8	–	–	7-8	7-8	4000	0	*
Upper Heyford	1020·4	+6	ESE	2	zo	76	65	6	2	–	–	4-6	4-6	3500	0	*
Ross-on-Wye	1019·9	-6	SSW	3	b	76	55	7	1	–	1	Tr	Tr	4000	0	*
Hartland Point	1021·3	-6	SW	3	fs	59	92	6	–	–	–	0	0	–	0	3
Bristol	1020·5	-4	NW	2	b	76	55	8	1	–	–	Tr	Tr	3500	0	*
Portland Bill	1021·0	-8	W	1	bc	61	92	8	5	–	–	4-6	4-6	1500	1	2
Plymouth	1021·6	-6	SW	2	b	64	65	8	2	–	1	Tr	Tr	3000	0	2
The Lizard	1021·3	-4	–	0	fs	59	92	3	4	–	–	4-6	4-6	2500	0	1
Scilly (St. Mary's)	1022·1	-2	NNE	2	f	55	97	2	6	2	–	10	10	<150	0	2
Guernsey																
Pembroke	1021·6	-2	N	4	bc	64	75	7	2	3	–	2-3	2-3	4000	0	3
Holyhead	1022·5	-4	N'E	3	c	59	75	8	2	–	1	4-6	7-8	4500	1	2
Chester (Sealand)	1021·7	+2	WNW	3	c	63	75	8	5	7	–	4-6	10	3500	0	*
Manchester	1021·3	-2	W	3	zo	69	65	6	5	–	–	4-6	7-8	3500	0	*
Spurn Head	1023·4	-4	ESE	3	zo	55	92	6	–	–	1	0	Tr	–	0	2
Catterick	1022·3	0	NE	2	zo	65	65	6	8	–	–	7-8	7-8	3500	0	
Tynemouth	1023·7	-6	SE	2	bc	56	85	7	–	4	–	0	2-3	–	0	2
St. Abbs Head	1022·8	-6	SSE	3	bc	58	75	8	4	4	1	2-3	4-6	2500	0	2
Leuchars	1021·3	-8	SSW	3	b	68	55	8	–	3	4	0	1	–	0	*
Renfrew (Abbots I.)	1023·1	-2	NW	3	bc	63	55	9	5	4	4	Tr	2-3	4000	0	*
Eskdalemuir	1021·7	-4	NW'W	2	bc	67	55	8	–	–	1	0	2-3	–	0	*
Point of Ayre	1023·1	-12	NW'W	2	bc	65	65	8	–	–	2	0	4-6	–	0	1
Tiree	1022·9	-2	SW'S	2	c	55	85	8	5	–	–	9	9	2500	0	3
Stornoway	1021·4	0	SSW	4	c	55	85	8	8	7	–	7-8	9+	1500	1	3
Dalwhinnie	1023·4	0	SW	4	bc	59	55	8	7	–	9	1	4-6	4000	0	*
Aberdeen	1022·2	-6	SE'S	3	b	57	65	8	1	–	1	Tr	Tr	3800	0	2
Wick	1022·0	+2	S'E	3	c	55	85	9	5	7	–	9	9+	4000	0	*
Sumburgh	1021·7	-2	SW	3	c	51	92	8	5	7	–	7-8	10	2500	*	*
Blacksod Point	1023·0	-4	W'S	1	bc	59	85	8	4	–	4	2-3	4-6	2500	0	2
Malin Head	1023·5	-6	–	0	c	56	85	8	4	–	2	4-6	7-8	5700	0	0
Aldergrove	1022·5	-8	–	0	c	67	65	8	7	–	6	9	9	5700	0	*
Birr Castle	1022·1	-2	N	2	bc	73	55	8	1	–	1	2-3	2-3	2500	0	*
Valentia Obsy. †	1023·4	-2	W'N	2	b	62	65	9	–	–	1	0	1	–	0	3
Roches Point	1022·6	-6	SSW	2	bc	63	85	9	1	–	5	1	2-3	4000	0	3

PAST 24 HOURS. — WEATHER.

Stations	7h.—13h. 19th (37)	13h.—18h. 19th (38)	18h. 19th to 1h. 20th (39)	1h.—7h. 20th (40)
London (Kew)	bzowbccz o	ycbczoy	bmw	bczoybw
Croydon	bbc	bccbc	bcbmow	bmo wfg
S. Farnborough	bmo bcy	bcy	bymow	bmwmo
Boscombe Down	bfbcmobcz	bcyzo	bybcbzo	bzobfw
Thorney Island	bmobcmo	bcmob	bmofg	bmofgwbc
Lympne	bmozob	bbc	bbmo	FF wff
Manston	b	bbczo	bcmbmo	bcmobfgmo
Shoeburyness	bbmo	bmo	cmo	bmobcmo
Felixstowe	bmobcmobzo	bmo	bzobcmow	bcmowb
Gorleston	ffebzobczo	bzo off	ofbcbzow	bbczobw
Mildenhall	cbcby	bybcy	bcy bmo	ofebmo
Cranwell	bczobc	bcbbc	b	bbmo
Birmingham	c	cbcc	cbc	bcbm
Upper Heyford	czo	bczoy	bczobmo	bmo
Ross-on-Wye	czbcz	bczoby	bybz	bmo
Hartland Point	FF	FFb	bff	bcmo
Bristol	cmowbcz	bczby	bymow	bmowfg
Portland Bill	bcbc	bcbc	cbc	c
Plymouth	bjfb	b	bbcbmo	bmowcmo
The Lizard	bc	cbcFf	bcwb	bcc
Scilly (St. Mary's)	FfeF	off	FFec	bbcwc
Guernsey				
Pembroke	bc	bc	bc	bc
Holyhead		c	bbcw	wbcb
Chester (Sealand)		bbcyc	bbcb	bcwbzo
Manchester	oFffzzo	bczo	czobcbmo	bFF
Spurn Head	ffbmo	bzo	bcm	fbzo
Catterick	bcczoy	bczoyczo	bcm, PR	ofr fcm
Tynemouth	bc	bc	bco	oc
St. Abbs Head	bbc	bc	bc	bc
Leuchars	bcy	bcbbcy	bcyb	c
Renfrew (Abbots I.)	c	cbcy	bcbw	bwbc
Eskdalemuir	bbcb	by	bmo	bzow
Point of Ayre	b	cbc	bcbbw	
Tiree	o	c	c	c
Stornoway	cproc	c	cpro	c
Dalwhinnie	cbcy	bcy	*	bcc
Aberdeen	bcby	byb		c
Wick	c	c	c	o
Sumburgh	c	d	cldo	o
Blacksod Point	c	bc	bc	bc
Malin Head	c	c	c	c
Aldergrove	bbcy	bccyc	cbcbw	bfgbc
Birr Castle	cbcy	bcy	b	bbc
Valentia Obsy. †	cbccv	cbcbv	bcvwbw	bcwc
Roches Point	cbc	bc	bcbw	fec

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.*

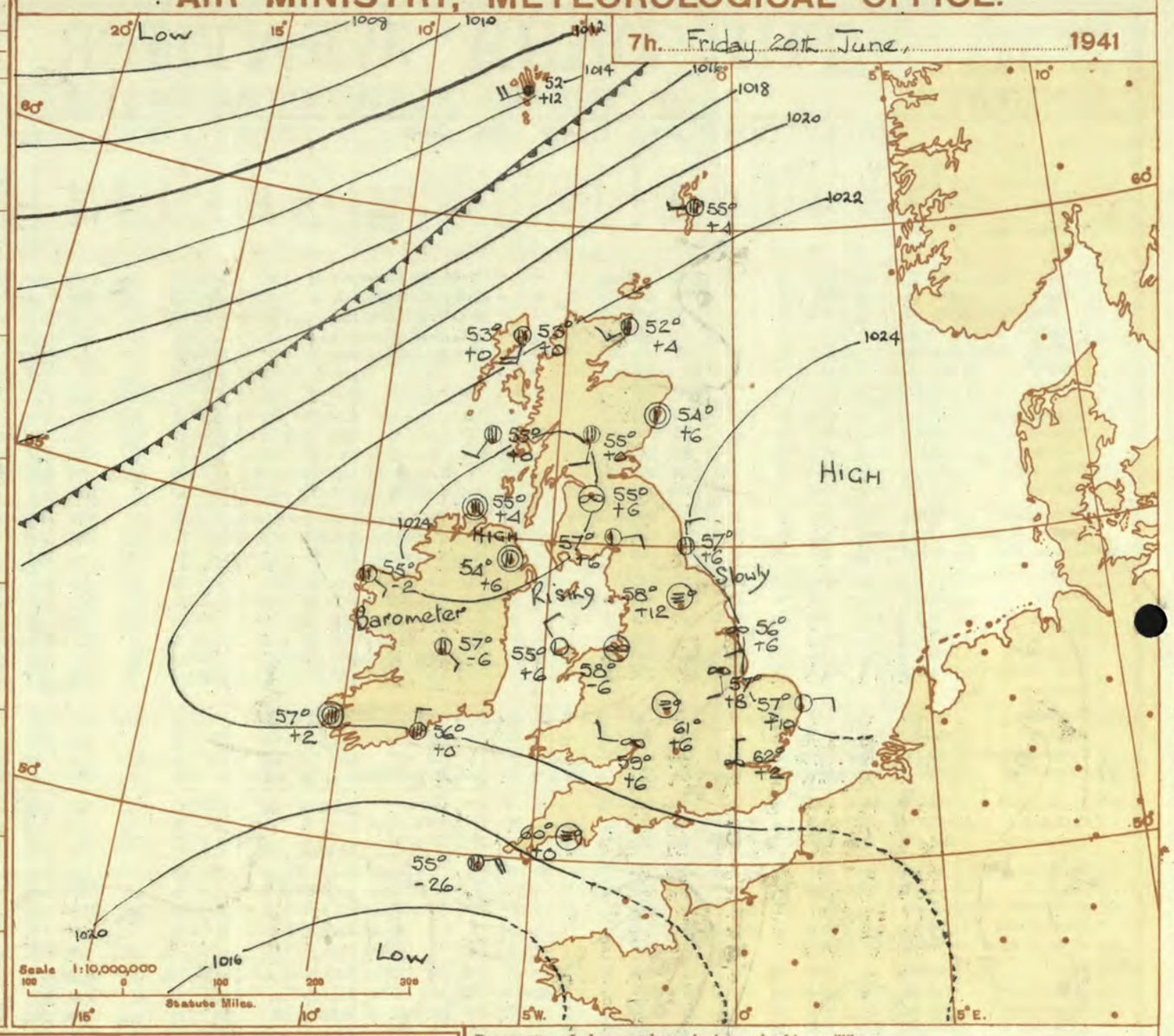
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Friday 20th June, 1941

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 19th June			18h. G.M.T.			01h. G.M.T. 20th June			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 5-	02967	21327	52	03865	24328	5-	03868	18128	5-	02667	19327
115 55	02944	20467	52	02944	20427	52	81844	20487	55	02944	20427
203 5-	61938	16428	5-	02938	16428	5-	02948	16428	5-	02848	16428
206 5-	02967	22127	70	01964	22224	53	02865	24125	53	02963	20116
210 50	01963	28224	5-	02966	07116	54	01964	20124	54	01963	20115
220 53	02845	21317	52	02845	21328				53	02853	22328
230 5-	02958	21228	5-	02857	32127	5-	02868	00028	5-	05867	00027
245 10	01963	10314	04	00890	14312	00	04790	24112	24	05590	02951
260 10	01763	24313	10	00871	20313	04	00790	00012	00	17690	00013
277											
279 10	00961	00001	10	01861	22214				00	00790	32110
285 13	01852	24418							50	05645	24115
288 10	05671	04201	8-	45364	32244	8-	25658	00048	--	41458	08148
273 --	01634	12314									
301 50	01673	30213	83	02765	30315	50	05663	00013	05	05690	12104
321 10	02765	14215	73	00762	09314	07	05590	00013	03	05690	00004
299 00	05690	28300	5-	05646	08216				57	05643	18314
292 10	05664	08214	5-	05664	11328	5-	05668	06268	5-	02667	00027
310											
316 53	01763	06345	40	02781	08325	00	05590	00000	00	08490	00001
333 5-	01874	32314	53	01862	26315	5-	01763	30013	00	01790	26204
334 --	01764	10204							--	01782	12212
340			24	05664	30324	00	05690	28100	00	00790	00000
136 10	00761	10301	00	01790	12313	50	41404	11344	04	00790	12211
336 53	01762	32314	53	01762	28313				54	05642	28313
350 20	01764	12314	00	01790	10314	00	05690	12200	00	05690	00002
368 20	05662	23123									
379 10	05663	12316	40	01764	14314	00	05590	00000	00	05690	20101
390 04	00790	09201	53	01763	10314	00	08490	10110	04	05690	00041
382 10	05664	12214	20	01764	16214	00	05690	00000	00	05690	00001
438 00	00790	08100									
430 10	00861	16302	00	00790	20211	00	05490	00000	00	05690	04103
409 54	09723	28123	50	09721	31212	04	05690	05142	00	02790	04106

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 20th June, 1941.
1 S.E. England	Light to moderate E. wind. Fine at first. Thundery rain spreading from S.W. later. Rather warm.
2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light variable to Easterly winds. Mainly fine, but some isolated thunderstorms in hilly country. Rather warm.
5 S.W. England 6 South Wales ...	Moderate Easterly to variable winds. Thundery rain spreading from S.W. 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.	Light variable winds. Mainly fine, but some isolated thunderstorms in hilly country. Local fog patches on east coast. Rather warm.
13 A. W. Scotld. B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Light or moderate S.W. wind. Cloudy. Slight local rain in extreme north. Average temperature.
17 N. W. Ireland 18 N. E. Ireland	As 7-12.
19 S. E. Ireland 20 S. W. Ireland	Light variable to N.E. winds. Fine at first. Some thundery rain later. Rather warm.

GENERAL INFERENCE.

A ridge of high pressure lies from east to west across the British Isles. A depression is developing off S.W. England and will later move northeastwards. Thundery rain will spread across south and S.W. districts of the British Isles. There will be some slight local rain in the extreme north, but elsewhere it will be fine and rather warm.

FURTHER OUTLOOK.

Mainly fair in north. Local thundery rain or thunderstorms in south.

Warm front
Cold front
Occlusion

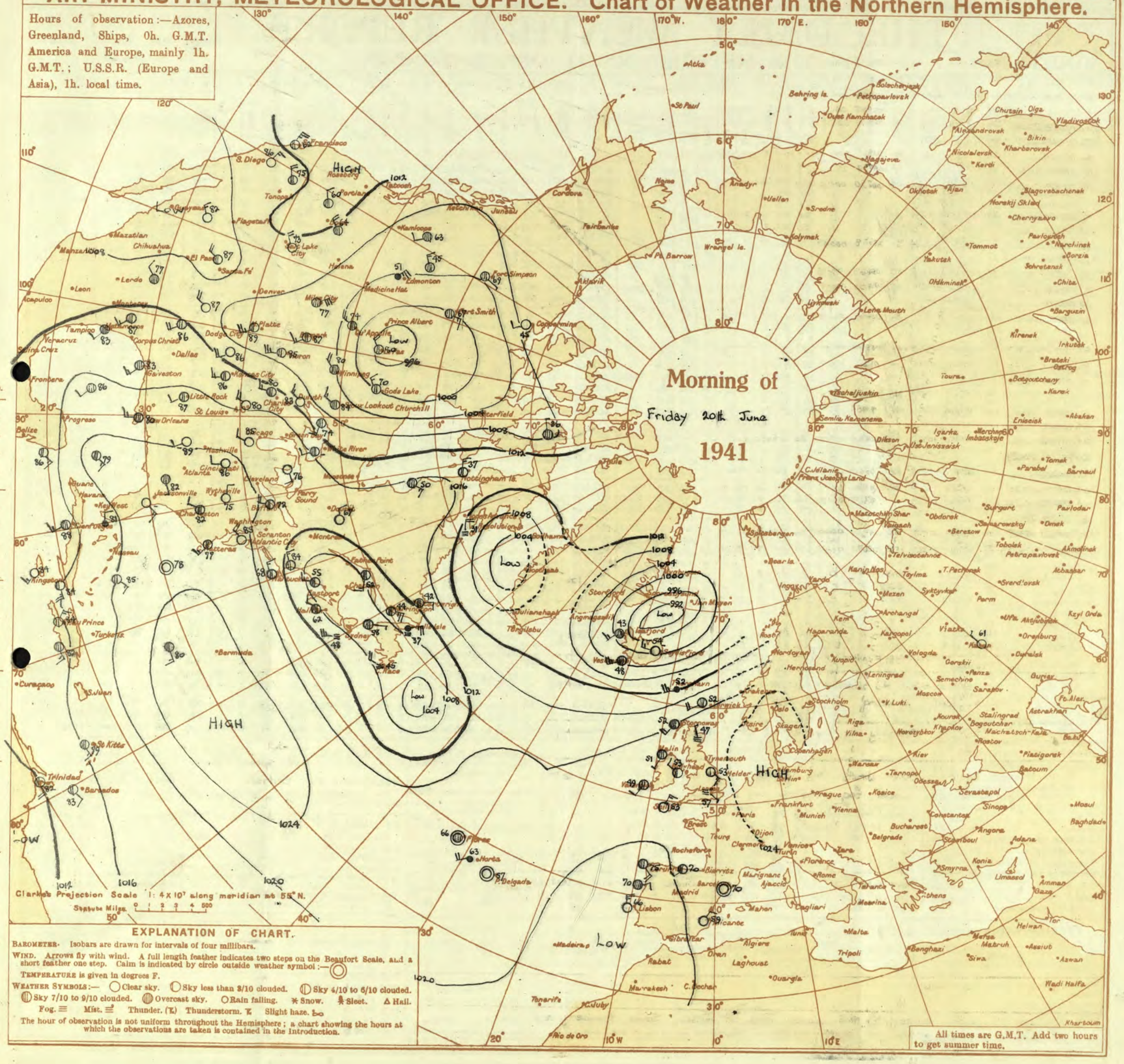
Forecasts issued at 10.30h. G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266.Wt. 6176. A.6034. Gp.942. 3300. 5/41

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 20th June 1941

No. 25065

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

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	1022·6	+2	SE	1	m	57	97	4	–	–	–	0	0	–
	S. Farnborough	226	1022·5	0	–	0	zo	59	92	6	–	–	–	0	0	–
	Boscombe Down	417	1022·8	+4	–	0	fs	57	97	6	–	–	–	0	0	–
	Thorney Island	10	1022·4	–2	NE	1	fs	54	97	6	–	–	–	0	0	–
	Lympne ...	346	1022·6	0	NNW	1	zo	51	97	6	–	–	–	0	0	–
	Manston ...	154	1022·4	–10	NNE	2	zo	45	97	5	5	–	–	1	1	4500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1023·3	–2	NE	1	zo	54	97	6	5	–	–	1	1	100
	Gorleston ...	5	1023·7	–2	–	0	b	54	92	5	–	–	–	0	0	–
	Mildenhall ...	19	1023·2	+2	ESE	2	zo	55	92	6	5	–	–	Tr	Tr	4000
	Cranwell ...	240	1023·8	+2	SE	3	zo	55	97	6	–	–	–	0	0	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1022·2	+4	ESE	2	zo	59	85	6	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1021·5	–6	ENE	2	bjf	55	97	6	–	4	–	0	1	–
	Bristol ...	209	1021·7	–4	–	0	zo	56	97	6	–	–	–	0	0	–
	Portland Bill ...	32	1022·0	–4	W	1	bc	59	92	7	5	–	–	4·6	4·6	4000
	Plymouth ...	82	1021·9	–10	–	0	zo	54	92	6	–	–	1	0	Tr	–
	The Lizard ...	240	1021·6	–10	ENE	3	b	56	97	8	–	–	–	0	0	–
	Scilly (St. Mary's)	163	1021·6	–6	NE'E	3	b	53	97	6	–	–	–	0	0	–
	Guernsey ...	175														
6	Pembroke ...	142	1021·7	–4	NE	3	bc	59	75	7	7	–	–	2·3	2·3	4000
7	Holyhead ...	26	1022·8	–2	NW	2	bc	53	92	8	5	–	1	4·6	4·6	4000
	Chester (Sealand)	16	1022·2	0	NW'W	1	b	57	75	7	5	–	–	1	1	3000
8	Manchester ...	70	1022·4	+4	SSW	1	zo	55	92	5	–	–	–	0	0	–
10	Spurn Head ...	29	1023·3	–2	SE'E	3	bc	53	97	6	5	–	–	2·3	2·3	4000
	Catterick ...	175	1023·2	–2	–	0	PR	57	92	4	8	–	–	10	10	1000
	Tynemouth ...	108	1023·5	–4	N	2	0	53	92	6	5	–	–	10	10	1500
11	St. Abbs Head	280	1023·1	0	NW	1	bc	55	65	8	4	4	3	1	2·3	2500
	Leuchars ...	36	1022·8	+6	W	2	bc	51	85	8	–	4	–	0	2·3	–
12	Renfrew (Abbotsl.)	19	1023·7	–2	WSW	1	bc	47	92	7	5	–	1	2·3	2·3	5700
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1023·1	–4	WNW	2	b	50	97	8	4	–	–	Tr	Tr	4000
13A	Tiree ...	22	1023·0	0	SW'S	2	c	52	92	8	5	–	–	8	9	2800
13B	Stornoway ...	80	1021·8	–2	SSW	4	c	52	92	7	8	7	–	7–8	9+	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	89	1022·2	–2	–	0	c	54	85	9	5	–	–	9+	9+	4000
16	Lerwick ...	150	1021·8	–2	SSW	3	0/d	49	85	8	5	–	–	10	10	1400
17	Blacksod Point	18	1023·2	–6	–	0	bc	46	92	8	–	4	–	0	2·3	–
18	Malin Head ...	84	1023·4	–2	SSW	1	c	51	85	8	5	–	–	7–8	7·8	5700
	Aldergrove ...	268	1023·5	–2	–	0	b	48	85	7	5	–	–	Tr	Tr	3000
19	Birr Castle ...	173	1023·3	0	N	1	b	51	92	8	–	–	–	0	0	–
20	Valentia Obsy.	30	1023·0	–6	SW	2	b	49	97	9	5	–	1	Tr	1	5700
	Roches Point	22	1022·4	–6	N	1	b	55	97	8	5	–	–	1	1	2500

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

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	–	0	m	62	85	4	–	–	1	0	Tr	–	0	*
	Croydon ...	1022·8	+2	N	1	zo	62	85	5	–	–	1	0	Tr	–	0	*
	S. Farnborough	1022·8	+2	–	0	zo	60	92	6	–	–	1	0	2–3	–	0	*
	Boscombe Down	1023·3	+2	–	0	fs	58	92	3	–	–	1	0	1	–	0	*
	Thorney Island	1022·5	+4	W	1	zo	63	85	6	–	–	4	0	4–6	–	0	
	Lympne ...	1022·5	+2	N'W	1	f	57	97	2	–	–	–	10	10	5150	0	§
	Manston ...	1022·3	+2	–	0	zo	62	85	6	–	–	–	0	0	–	0	*
2	Shoeburyness ...	1022·5	+4	N'E	2	bc	62	85	6	1	–	–	4·6	4·6	2500	0	*
	Felixstowe ...	1023·3	+6	ENE	3	b	60	85	7	–	–	1	0	Tr	–	0	1
	Gorleston ...	1024·8	+10	E	2	b	57	85	6	–	4	–	0	Tr	–	0	1
	Mildenhall ...	1023·1	+4	SE'E	1	zo	61	75	6	–	3	–	0	2–3	–	0	*
	Cranwell ...	1023·8	+8	S'E	2	zo	57	92	6	–	–	–	0	0	–	0	*
3	Birmingham ...	1022·6	+6	–	0	m	61	85	4	–	–	–	0	0	–	0	*
	Upper Heyford	1022·7	+6	–	0	m	63	85	4	–	–	1	0	1	–	0	*
4	Ross-on-Wye	1022·3	+6	W	2	zo	59	75	6	–	–	1	0	1	–	0	*
5	Hartland Point	1021·5	0	ESE	3	cjf	59	85	6	5	4	8	4–6	7–8	500	0	3
	Bristol ...	1022·6	+2	–	0	zo	60	92	5	–	–	1	0	Tr	–	0	*
	Portland Bill ...	1021·6	+6	E	1	c	57	92	7	3	–	–	10	10	2500	1	2
	Plymouth ...	1022·3	0	–	0	m	60	85	4	–	–	4	0	7–8	–	0	1
	The Lizard ...	1020·1	–16	ENE	3	c	59	85	8	5	2	–	7–8	9+	2500	0	3
	Scilly (St. Mary's)	1018·4	–26	ENE	4	c	55	97	7	8	2	–	7–8	9+	1500	0	3
	Guernsey ...																
6	Pembroke ...	1022·4	0	NE	2	bc	57	92	7	7	3	–	2·3	4·6	4000	0	2
7	Holyhead ...	1022·9	+6	NW'N	2	b	55	92	8	–	–	1	0	Tr	–	1	1
	Chester (Sealand)	1022·5	–6	–	0	zo	58	75	5	8	–	–	1	1	5000	0	*
8	Manchester ...	1023·1	+10	–	0	m	57	92	4	5	–	–	2–3	2–3	4000	1	*
10	Spurn Head ...	1023·7	+6	SSE	2	zo	56	97	6	–	–	–	0	0	–	0	2
	Catterick ...	1023·8	+12	–	0	m	58	92	4	5	–	–	9	9	2500	1	*
	Tynemouth ...	1024·1	+6	N	2	c	57	75	6	5	–	–	9+	9+	2800	0	1
11	St. Abbs Head	1023·3	+4	N	1	bc	55	75	8	4	4	5	2–3	4–6	2500	0	1
	Leuchars ...	1023·4	+6	WNW	3	b	55	75	8	–	–	9	0	1	–	0	*
12	Renfrew (Abbotsl.)	1023·9	+6	–	0	zo	55	85	5	5	–	–	9+	9+	5000	0	*
	Eskdalemuir ...	1023·5	+6	E'N	2	b	57	75	8	5	–	1	Tr	1	4000	1	*
	Point of Ayre ...	1023·6	+10	NW	2	b	58	85	8	1	–	–	Tr	Tr	4000	0	1
13A	Tiree ...	1022·8	0	SW'S	2	c	55	85	8	5	–	–	9+	9+	2800	0	3
13B	Stornoway ...	1021·6	0	SSW	4	c	53	85	8	8	7	–	7–8	10	1500	1	2
15	Dalwhinnie ...	1023·8	0	SSW	2	c	55	65	8	8	–	2	4–6	7–8	1500	0	*
	Aberdeen ...	1023·3	+6	–	0	bc	54	85	7	5	–	9	2–3	2–3	3500	0	1
	Wick ...	1022·4	+4	W	1	c	55	85	9	5	4	8	1	9+	4500	0	*
16	Lerwick ...	1021·6	+4	SW	3	c	52	85	8	5	–	–	9+	9+	3500	*	*
17	Blacksod Point	1022·9	–2	SE	1	bc	55	92	8	–	5	2	0	2–3	–	0	1
18	Malin Head ...	1023·3	+4	–	0	c	55	75	8	5	–	4	4–6	7–8	5700	0	0
	Aldergrove ...	1024·0	+6	–	0	bc	54	92	7	5	–	–	4–6	4–6	4000	0	*
19	Birr Castle ...	1023·2	–6	SE	1	bc	57	85	8	5	–	1	2–3	2–3	4000	0	*
20	Valentia Obsy.	1022·0	+2	–	0	c	57	92	9	–	3	–	0	7–8	–	0	1
	Roches Point	1022·0	0	N	2	c	56	92	8	–	–	5	0	7–8	–	0	3

PAST 24 HOURS.

District	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 .1hk... Hrs. (36)
1	London (Kew)	78	55	45	–	–	11·6
	Croydon ...	78	51	49	–	–	11·9
	S. Farnborough	80	50	43	–	–	13·2
	Boscombe Down	79	49	42	–	Tr	10·5
	Thorney Island	70	51	46	–	–	*
	Lympne ...	77	48	44	–	–	14·7
	Manston ...	76	52	45	–	0·1	13·4
2	Shoeburyness ...	68	52	47	–	–	13·5
	Felixstowe ...	63	53	51	–	–	11·0
	Gorleston ...	58	51	48	–	–	*
	Mildenhall ...	78	53	48	–	–	11·5
	Cranwell ...	75	51	49	–	–	11·8
3	Birmingham ...	78	54	45	–	–	4·4
	Upper Heyford	80	55	49	–	0·1	*
4	Ross-on-Wye	78	52	47	–	–	10·2
5	Hartland Point	60	53	50	–	–	5·1
	Bristol ...	77	53	43	–	–	8·1
	Portland Bill ...	63	55	*	–	–	*
	Plymouth ...	66	52	49	–	–	12·7
	The Lizard ...	63	55	*	–	–	13·0
	Scilly (St. Mary's)	59	51	*	–	–	0·0
	Guernsey ...						
6	Pembroke ...	70	53	*	–	–	9·8
7	Holyhead ...	61	52	33	–	–	1·3
	Chester (Sealand)	70	50	45	–	–	7·1
8	Manchester ...	75	47	43	–	Tr	4·6
10	Spurn Head ...	57	51	*	–	–	8·0
	Catterick ...	75	57	53	–	3	11·5
	Tynemouth ...	63	53	51	–	–	*
11	St. Abbs Head	61	52	*	–	–	*
	Leuchars ...	69	47	44	–	–	15·1
12	Renfrew (Abbotsl.)	66	44	39	–	–	7·2
	Eskdalemuir ...	69	43	38	–	–	13·9
	Point of Ayre ...	65	47	*	–	–	15·1
13A	Tiree ...	55	52	*	0·1	–	0·0
13B	Stornoway ...	57	50	*	Tr	Tr	0·5
15	Dalwhinnie ...	63	42	34	–	–	10·0
	Aberdeen ...	60	44	40	–	–	11·5
	Wick ...	62	56	50	*	*	*
16	Lerwick ...	*	*	*	*	*	*
17	Blacksod Point	65	45	*	–	–	*
18	Malin Head ...	60	47	*	–	–	2·3
	Aldergrove ...	70	44	38	–	–	11·3
19	Birr Castle ...	73	46	41	–	–	14·0
20	Valentia Obsy.	62	48	42	–	0·1	14·8
	Roches Point	66	54	*	–	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 (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. % (To-day.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew ...	18	bzNbc	cbczy	bm wzy	78	55	45	–	–	11·6	*	*	5
Croydon ...	217	bbc	cbc	bcm,wfg	78	51	49	–	–	11·9	*	*	5
Greenwich (Royal Observatory) ...	149	bzy	m	bzy	77	54	44	–	–	13·1	57	70	5
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	78	57	54	–	–		74	54	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	75	55	50	–	–		69	63	*
Camden Square ...	110	b	b	*	81	55	53	–	–	*	*	69	*
Kensington ...	80	bc	bc	*	80	55	50	–	–		54	64	*
Hampstead Observatory ...	450	bc	b	b	77	53	50	–	–		*	74	*

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.
0·4	7h 20th	0·1	10–15h 19th

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.
*	*		

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

‡ 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

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AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 21st June, 1941

No. 25,066.

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

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)	1021·6	-12	E	1	zo	79	55	6	5	–	–	4-6	4-6	4000
	Croydon	1021·6	-6	NE	2	bc	80	55	6	1	–	2	1	2-3	4000
	S. Farnborough	1021·7	-10	S	1	bc	83	35	8	–	–	1	0	2-3	–
	Boscombe Down	1022·1	-8	–	6	bc	80	45	7	–	–	5	0	2-3	–
	Thorney Island	1022·0	-6	SSW	3	bc	73	65	7	1	–	2	Tr	4-6	4000
	Lympne	1022·5	-2	SE'S	2	bc	68	75	7	1	–	2	Tr	4-6	3000
	Manston	1022·4	-2	NE	2	zo	71	75	6	–	–	2	0	2-3	–
2	Shoeburyness	1022·9	-6	E'N	2	c	66	85	6	–	–	6	0	9	–
	Felixstowe	1023·0	-6	ENE	3	zo	64	75	6	–	8	1	0	Tr	–
	Gorleston	1024·4	-2	SE'S	1	b	62	75	7	–	–	1	0	1	–
	Mildenhall	1022·0	-4	ESE	2	bc	81	45	8	1	–	1	Tr	4-6	3500
	Cranwell	1023·1	-8	S'E	2	bc	78	55	7	1	–	1	2-3	2-3	2500
3	Birmingham	1022·2	0	S	2	bc	78	34	8	1	4	–	Tr	4-6	4000
	Upper Heyford	1021·5	-8	W	2	bc	81	45	7	1	–	2	1	2-3	3500
4	Ross-on-Wye	1021·7	-6	NNW	2	bc	78	55	7	1	–	2	Tr	2-3	4000
5	Hartland Point	1022·1	+2	WS	1	c	67	75	8	–	9	–	0	7-8	–
	Bristol	1021·8	-8	SE	1	c	80	55	7	–	–	2	0	7-8	–
	Portland Bill	1022·3	+2	E	2	bc	64	85	7	1	–	–	4-6	4-6	4000
	Plymouth	1022·6	+2	–	0	c/r	72	75	8	5	1	–	4-6	9+	5000
	The Lizard	1021·5	+10	NE	4	c/r	64	85	8	8	6	–	7-8	7-8	2500
	Scilly (St. Mary's)	1020·9	-2	NE'S	4	c/r	62	85	7	3	7	–	4-6	10	1800
	Guernsey														
6	Pembroke	1023·8	+4	–	0	bc	63	85	6	7	7	–	1	4-6	4000
7	Holyhead	*	*	N	3	c	64	75	8	–	–	6	0	7-8	–
	Chester (Sealand)	1022·3	-4	NW'W	2	zo	71	65	6	*	*	2	0	7-8	–
8	Manchester	1021·6	-10	W'S	2	zo	78	55	6	–	–	7	0	10	–
10	Spurn Head	1023·2	0	ESE	4	b	57	82	7	–	–	1	0	Tr	–
	Catterick	1022·6	-8	ENE	2	zo	69	65	6	7	–	–	4-6	4-6	4000
	Tynemouth	1024·3	+2	NE	2	bc	60	75	6	2	–	–	4-6	4-6	2800
11	St. Abbs Head	1023·6	0	SE	2	bc	61	65	8	4	4	–	2-3	2-3	2500
	Leuchars	1022·5	-6	ESE	4	zo	67	55	6	1	–	–	1	1	3200
12	Renfrew (Abbots I.)	1022·4	-10	SW'W	3	bc	74	45	8	1	–	1	2-3	2-3	3500
	Eskdalemuir	1021·9	-6	SSW	1	bc	71	55	8	1	3	1	1	2-3	4000
	Point of Ayre	1023·2	-4	NE'N	1	bc	66	65	8	–	–	4	0	2-3	–
13A	Tiree	1023·5	0	SW'W	3	bc	60	75	8	5	3	–	2-3	4-6	3500
13B	Stornoway	1021·6	-6	SW	4	c	58	75	8	8	7	–	7-8	9+	1800
15	Dalwhinnie	1022·5	-2	WSW	3	b	69	45	8	1	4	–	Tr	1	4000
	Aberdeen	1022·8	-4	S	3	b	63	55	8	1	–	3	Tr	Tr	3100
	Wick	1022·2	-6	S'E	3	c	61	75	9	5	4	9	2-3	7-8	3300
16	~~Lerwick~~ Sumburgh	1022·3	+2	SW	3	c	54	75	9	5	7	–	4-6	10	2500
17	Blacksod Point	1021·7	-14	N	1	c	62	75	8	–	–	7	0	9	–
18	Malin Head	1023·3	-4	E	1	bc	56	85	8	1	–	–	2-3	2-3	5700
	Aldergrove	1022·7	-6	SW	2	b	73	45	8	1	–	–	1	1	3500
19	Birr Castle	1020·9	-22	SSE	2	c	75	65	8	1	–	5	1	7-8	2500
20	Valentia Obsy. †	1019·1	-2	NE'E	3	c/r	72	55	8	5	7	–	4-6	9+	5700
	Roches Point	1020·0	-32	E	5	c	61	85	8	5	1	–	4-6	9	1500

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

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)
London (Kew)	1021·3	0	E	3	zo	76	55	6	–	–	4	0	4-6	–	0	*
Croydon	1021·6	+2	NE'N	2	c	73	75	7	–	–	3	0	7-8	–	0	*
S. Farnborough	1021·0	-2	N	1	c	82	25	8	–	–	2	0	7-8	–	0	*
Boscombe Down	1021·0	-8	–	0	c	80	45	7	–	–	2	0	7-8	–	0	*
Thorney Island	1021·5	-4	ESE	1	c	70	75	7	–	6	2	0	9	–	0	
Lympne	1022·1	-2	SE	1	zo	68	75	6	–	–	2	0	7-8	–	0	§
Manston	1022·2	0	NE'E	1	zo	68	75	6	–	–	2	0	4-6	–	0	*
Shoeburyness	1022·7	0	NE'E	3	bc	66	85	6	–	–	2	0	4-6	–	0	*
Felixstowe	1022·9	0	NE'E	3	b	64	65	8	–	4	1	0	Tr	–	0	2
Gorleston	1023·6	-2	–	0	bc	61	75	7	–	4	1	0	2-3	–	0	1
Mildenhall	1022·0	0	SE'E	3	b	76	55	7	–	–	1	0	1	–	0	*
Cranwell	1022·1	-6	SE	3	bc	76	65	7	5	–	1	2-3	2-3	3000	0	*
Birmingham	1020·9	-6	S	1	bcjp	80	35	8	–	–	1	0	2-3	–	0	*
Upper Heyford	1020·8	-4	–	0	bc	80	45	7	–	–	6	0	4-6	–	0	*
Ross-on-Wye	1020·1	-12	SE	3	bc	79	45	7	–	5	3	0	2-3	–	0	*
Hartland Point	1019·7	+2	SW	3	c	69	75	8	5	4	–	4-6	9+	3500	0	2
Bristol	1020·7	-8	–	0	c	77	65	7	–	3	6	0	9+	–	0	*
Portland Bill	1021·7	-6	SSE	1	c	62	85	7	5	4	–	7-8	10	2500	1	2
Plymouth	1020·7	-6	ESE	3	zo	69	65	8	5	1	–	4-6	9+	5000	0	2
The Lizard	1019·0	-20	NE	5	c	62	85	7	8	2	–	9	10	2100	0	4
Scilly (St. Mary's)	1017·5	-20	E'S	4	c	63	85	7	8	8	3	2-3	9	1800	0	4
Guernsey																
Pembroke	1020·0	+10	ESE	3	c	64	85	7	7	7	–	2-3	9	4000	0	3
Holyhead																
Chester (Sealand)	1020·3	-14	NW'W	2	zo	68	75	6	–	4	–	0	Tr	–	0	*
Manchester	1020·8	-6	N	1	zo	79	55	6	–	–	–	0	0	–	0	*
Spurn Head	1022·3	-6	SE	4	b	59	85	7	–	–	1	0	Tr	–	0	2
Catterick	1021·8	-6	ENE	2	zo	63	85	5	8	–	–	2-3	2-3	3500	0	
Tynemouth	1023·4	-2	E	2	bc	59	85	7	–	2	–	0	4-6	–	0	2
St. Abbs Head	1021·7	-6	SSE	4	bc	60	55	8	4	4	2	Tr	2-3	3000	0	2
Leuchars	1021·0	-8	SE	3	b	65	65	7	–	3	–	0	1	–	0	*
Renfrew (Abbots I.)	1021·6	-2	WNW	3	bc	69	55	9	–	4	4	0	4-6	–	0	*
Eskdalemuir	1020·6	-6	–	0	b	73	45	8	–	–	1	0	1	–	0	*
Point of Ayre	1021·5	-6	NW'N	1	b	65	75	8	–	–	9	0	1	–	0	0
Tiree	1022·4	0	NNW	1	bc	60	65	8	–	3	6	0	2-3	–	0	2
Stornoway	1021·8	+4	SW	4	c	59	65	9	5	7	8	4-6	9+	2500	0	3
Dalwhinnie	1022·0	-2	WSW	3	bc	66	55	8	1	–	9	Tr	2-3	4000	0	*
Aberdeen	1022·1	-2	ESE	3	b	58	65	8	–	–	1	0	Tr	–	0	1
Wick	1022·3	-4	S'E	3	bc	57	85	9	1	7	9	1	4-6	3500	0	*
Sumburgh	1022·3	0	WSW	3	c	53	85	9	5	–	–	10	10	4000	*	*
Blacksod Point	1018·3	-28	NNW	3	c	62	85	8	–	7	–	0	9+	–	0	4
Malin Head	1022·1	-8	E'N	2	c	55	75	8	2	–	4	4-6	7-8	5700	0	0
Aldergrove	1021·2	-2	SSW	2	c	71	85	6	4	7	–	2-3	7-8	4000		*
Birr Castle	1019·2	-16	SE	1	c	73	65	8	5	–	8	4-6	7-8	4000	0	*
Valentia Obsy. †	1015·0	-30	E'S	5	iro	71	55	8	8	7	–	2-3	9+	5700	0	4
Roches Point	1019·2	-12	E	4	c/r	61	75	8	6	7	–	4-6	7-8	1500	0	4

PAST 24 HOURS.

Stations	Weather 7h.—13h. 20th (37)	Weather 13h.—18h. 20th (38)	Weather 18h. 20th to 1h. 21st (39)	Weather 1h.—7h. 21st (40)
London (Kew)	bzowbczy	bczoy	bczo bcmo	bcmowc
Croydon	bbczoy	bzoy,c	cbcwzom	bmwbcmo
S. Farnborough	bmobcyb	bycbc	bccybcmow	bcmowjf
Boscombe Down	bcy	bcy	bbcmo	bcmo
Thorney Island	bcmowbcm	bcm·c	cbcbmo	o
Lympne	bfbcmo	bcbcmo	bcmobmw	bmwcbcmo
Manston	bzobczo	bczo	bczobbmo	bmow
Shoeburyness	bmocmo	cmobcmo	bcc	bwbcmo
Felixstowe	bbmo	bzo bcb	b	bbmob
Gorleston	bwbza	bbc	bcbw	bcwb
Mildenhall	bmobybcy	bcyby	bybbmo	bmobcc
Cranwell	bmozoby	bybccy	b	bcmo
Birmingham	bzbc	bcbt	bbc	bc
Upper Heyford	bmbczy	bcy	bcybcczo	bcmo bzo
Ross-on-Wye	bzobc	bcy		c
Hartland Point	bc	cy	cbcy	c
Bristol	bmoczobc	bcyc	cbccmow	o
Portland Bill	cbc	c	cbc	bcc
Plymouth	r	c	c	c bcc
The Lizard	r	c	cbcw	c
Scilly (St. Mary's)	r	c	cbc	f
Guernsey				
Pembroke	bczo	cbczo		
Holyhead	bwcbc	bcc		cmo
Chester (Sealand)	bmzobc	bcbmz	bcmbmo	bbc prc
Manchester	bmzczo		bcczobcm	czomobczo
Spurn Head	b	b	bcb	bzo
Catterick	bcbczo	bczoczo	czobcmw	bcf bcm
Tynemouth	cbc	bc	bc	bcmo
St. Abbs Head	bc	bcy	bc	bccf
Leuchars	bbcbymo	bzoyb	bcmo	bcmobccf
Renfrew (Abbots I.)	cbcmoby	bbcy	bcybc	pr
Eskdalemuir	bbcy	by		c
Point of Ayre	bc	b	cbcbb	bbccz
Tiree	cbc	cbc	bcc	bcctr
Stornoway	c	c	c	c
Dalwhinnie	cbcy	bcy		c
Aberdeen	bbcby	byb	b	ccof
Wick	c	bc	bc	f
Sumburgh	c	c	c	c
Blacksod Point	bcc	c	Hr	c
Malin Head	bc	c	cbcc	c
Aldergrove	bcbby	bc	bcmobc	Pr
Birr Castle	c	c	cbc	c
Valentia Obsy. †	ciroсy	ciro	cHRbbcc	cdrcdodo
Roches Point	c	ir·c	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/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

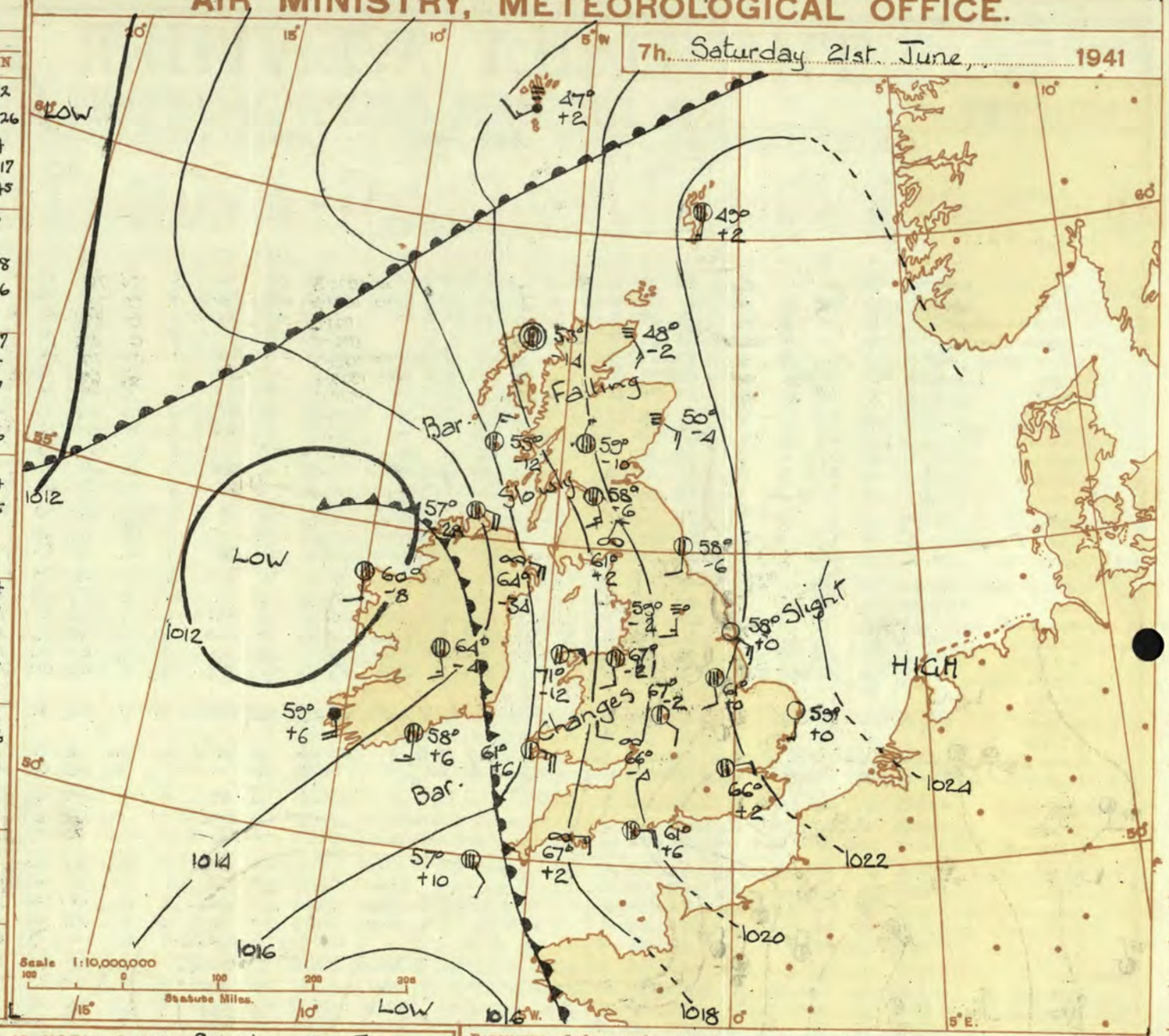
AVIATION WEATHER CODE

	13h. G.M.T. 20th June				18h. G.M.T.			01h. G.M.T. 21st June				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-	02865	16225	7-	02865	19225	5-	02865	19125	03	00890	14202
115	55	02944	20427	55	02944	20425	54	02845	20325	54	02844	08426
203	5-	02945	14425	53	01943	12314				55	01943	12214
206	13	01962	24214	10	00962	08123	70	01863	20113	53	02836	00017
210	10	01961	05114	03	00961	08302	00	01890	00014	53	05842	00045
220	53	02853	22318	05	01990	23304				53	02755	06316
230	50	01963	20323	00	01890	28114	03	01990	00014			
245	10	00861	10312	00	00890	08202	50	04762	30113	5-	02738	04218
260	10	00861	24101	00	00890	04103	53	17673	00015	07	05690	04216
277												
279	10	00761	04101	00	00890	22101	00	05690	12100	87	81575	04387
285	50	05644	12324							13	05642	14415
288	03	17690	03302	8-	17465	32225	5-	43368	12148	07	25390	24147
273												
301	50	05663	20213	00	05690	31300	00	05590	08110	07	05590	10346
321	10	05771	12214	76	05663	18314	07	08490	14213	00	05690	14113
299	00	00790	13200	50	05652	16302				57	05654	18314
292	50	05662	20112	50	05662	28312	03	08490	27112	07	05590	12145
310	--	01644	20414									
316	10	05664	16214	10	05662	00013	00	05590	12100	00	08490	02115
333	00	01790	26314	03	02790	26216	5-	01771	00013	04	01790	16214
334										--	02656	00017
340	10	01761	18315	00	00890	14112	50	05562	08102	03	08490	14415
136	10	01761	10303	00	01790	14313	00	00790	10300	04	01790	13214
336	03	01790	16412	53	01763	12314				53	01762	12315
350	10	05663	10214	10	05662	12214	00	05690	09200	05	05690	10314
368	00	02790	14116							07	05690	07426
379	10	01761	17113	00	05690	16126	00	05690	12100	03	05690	12214
390	10	01761	10215	50	05663	10213	00	08490	06100	03	01790	04103
382	10	01761	00014	00	01890	32114	00	08490	00010	03	05690	10114
438	51	01753	20214							50	01753	04404
430	00	05690	18201	05	02790	14115	03	05690	04113	00	02790	06225
409	07	05790	02225	08	05690	11527	59	01762	44525	03	02790	11426

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 21st June 1941



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 21st June
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light or moderate east to southeast wind. Fine. Local coast fog: very warm.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England	Light or moderate southeast winds. Bright periods; local thunderstorms. Local coast fog; very warm.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light or moderate southeast wind; fine. Coast mist or fog; very warm inland.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W. Scotland.	As 5-8
14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	As 9-11
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light or moderate southeast or south wind. Bright intervals; local thunderstorms: local coast fog: warm.

GENERAL INFERENCE.

An anticyclone covers the North Sea and Germany and a depression west of Ireland is moving slowly north. Weather will be fine in eastern districts apart from coast fog, but there will be local thunderstorms in the West.

FURTHER OUTLOOK.

Fair in the East. Thunderstorms or thundery rains in the West.

Warm front
Cold front
Occlusion.

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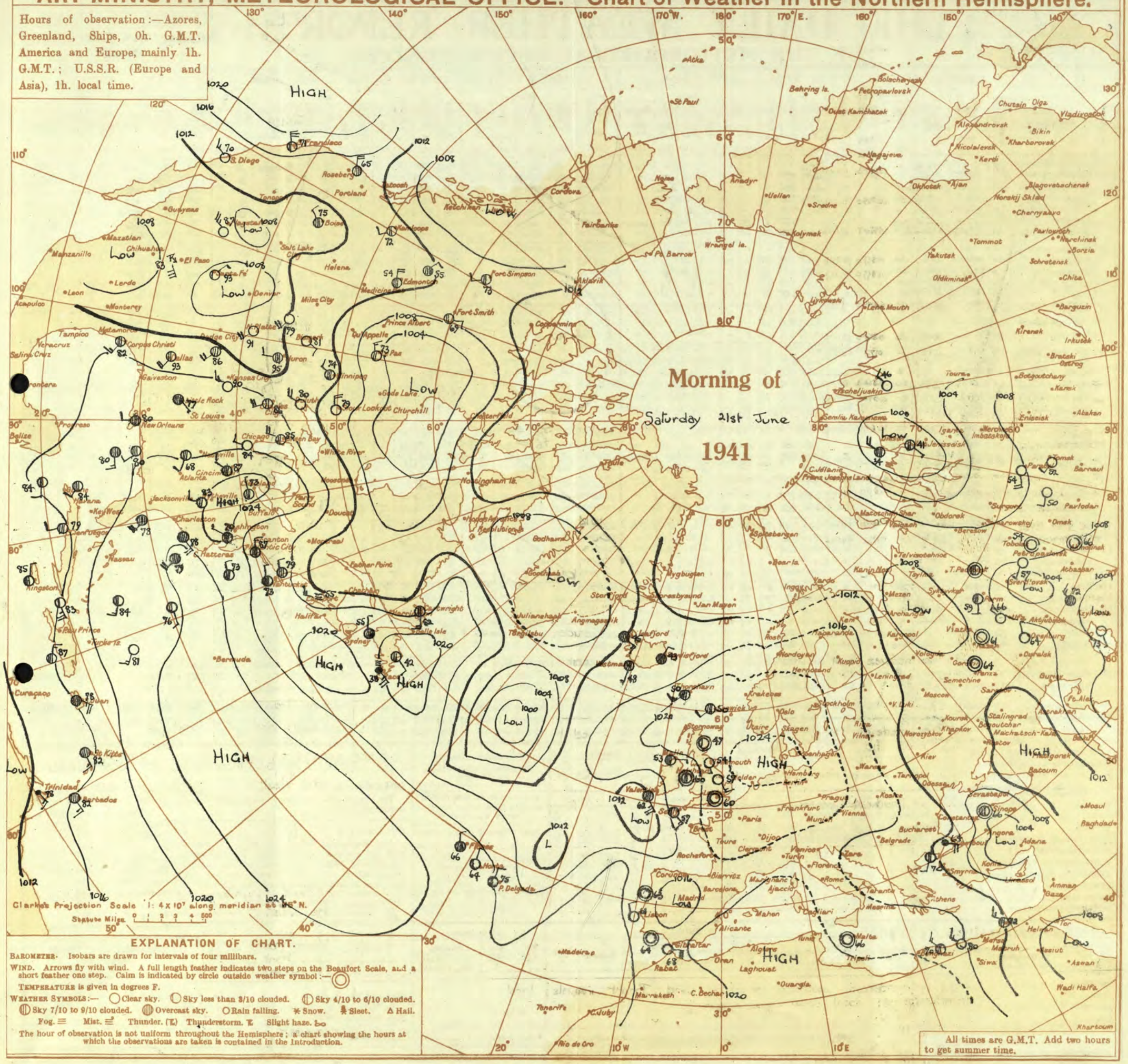
AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

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 two hours to get summer time.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday 21st June, 1941
No. 29,066.

OBSERVATIONS at 1 hr. G.M.T. 21st June

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	1021·9	+2	—	0	m	60	97	4	—	—	—	0	0	—
	S. Farnborough	226	1021·6	+2	—	0	z_0	65	85	5	—	3	1	0	4-6	—
	Boscombe Down	417	1021·5	0	E	3	c	59	92	6	—	7	—	0	7-8	—
	Thorney Island	10	1021·2	0	—	0	z_0	61	97	6	—	4	—	0	2-3	—
	Lympne	346	1021·8	-2	—	0	m		92	4	5	—	—	Tr	Tr	4000
	Manston	154	1021·6	-6	E'S	2	z_0	61	85	6	—	—	—	0	0	—
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1022·6	+2	E'N	2	b	60	75	7	—	—	1	0	Tr	—
	Gorleston	5	1024·3	+10	ESE	3	b	58	85	6	—	—	—	0	0	—
	Mildenhall	19	1022·6	+6	SE'S	1	z_0	58	85	6	—	—	—	0	0	—
	Cranwell	240	1022·9	+4	SE'S	2	z_0	60	92	6	—	—	—	0	0	—
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1021·3	+2	NE	2	z_0	63	85	6	—	—	—	0	0	—
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1017·4	-10	SE	4	bc	62	95	8	5	—	—	2-3	2-3	2500
	Bristol	209	1020·3	-4	—	0	z_0	63	85	6	5	7	—	4-6	7-8	3500
	Portland Bill	32	1019·9	-8	E	3	bc	60	92	7	5	—	—	4-6	4-6	2500
	Plymouth	82	1019·2	-6	ESE	4	c	66	75	6	5	1	—	4-6	7-8	3500
	The Lizard	240	1018·3	0	E'N	5	bc	60	97	7			1	2-3	4-6	2500
	Scilly (St. Mary's)	163	1015·8	-10	SE	3	bc	57	97	6	5	—	—	2-3	2-3	1500
	Guernsey	175														
6	Pembroke	142	—													
7	~~Holyhead~~ Valley	26	1018·4	-14	NNE	3	c	59	85	7	—	—	7	0	10	—
	Chester (Sealand)	16	1019·9	-6	—	0	z_0	58	85	6	5	—	3	Tr	1	5900
8	Manchester	70	1020·5	-2	E	2	m	64		4	—	—	2	0	4-6	—
10	Spurn Head	29	1022·2	+4	SE'S	3	b	57	92	7	—	—	—	0	0	—
	Catterick	175	1021·7	-6	—	0	m	55	97	4	—	3	—	0	4-6	—
	Tynemouth	108	1022·5	-6	SSE	1	bc	54	92	6	—	3	—	0	4-6	—
11	St. Abbs Head	280	1021·6	-4	SE	2	c	60	75	7	4	4	—	4-6	7-8	1500
	Leuchars	36	1021·7	+2	—	0	z_0	51	92	6	—	7	—	0	4-6	—
12	Renfrew (Abbots I.)	19	1020·8	-6	—	0	bc	57	85	7	—	3	—	0	4-6	—
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1020·0	-8	E'S	1	b	55	85	7	—	4	1	0	1	—
13A	Tiree	22	1020·2	-6	NE	[illegible]	c	53	85	8	5	—	—	7-8	7-8	3500
13B	Stornoway	80	1020·1	0	—	0	c	48	92	7	5	—	6	Tr	7-8	3500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	115	1022·5	-2	ESE	2	c	51	97	8	5	—	—	7-8	7-8	5700
16	~~Lerwick~~ Sumburgh	30	1022·6	+2	SW	2	c	50	85	8	5	—	—	10	10	4000
17	Blacksod Point	18	1013·7	-40	SE	3	TLR	61	85	7	6	—	—	10	10	1500
18	Malin Head	84	1010·5	-10	E	1	c	53	92	7	4	—	2	2-3	7-8	4000
	Aldergrove	268	1019·4	-8	ESE	1	c	55	85	7	5	4	2	1	7-8	5000
19	Birr Castle	173	1015·1	+26	S	2	bc	62	75	8	5	—	—	4-6	4-6	2500
20	Valentia Obsy.	30	1012·6	+6	SE'S	5	c	62	85	8	8	—	—	9+	9+	2500
	Roches Point	22	1014·5	-18	E	5	bc	59	85	8	5	—	—	4-6	4-6	2500

OBSERVATIONS at 7 hr. G.M.T. 21st June

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)	1021·1	0	E	3	z_0	66	75	5	5	3	—	2-3	7-8	4000	0	*
Croydon	1021·2	+2	ENE	2	bc	66	75	7	—	4	1	0	4-6	—	0	*
S. Farnborough	1020·9	+2	E'N	1	z_0	65	85	5	—	7	1	0	4-6	—	0	*
Boscombe Down	1020·2	-4	ESE	3	z_0	66	75	6	—	3	8	0	7-8	—	0	*
Thorney Island	1020·2	-2	E'S	2	z_0	70	75	6	—	3	2	0	7-8	—	0	
Lympne	1021·3	-2	N	1	bc	69	85	7	—	3	1	0	2-3	—	0	§
Manston	1021·7	+4	E'S	1	z_0	65	75	6	—	3	1	0	1	—	0	*
Shoeburyness	1021·9	+4	ENE	2	bc	62	97	6	—	4	—	0	4-6	—	0	*
Felixstowe	1022·4	+2	E	2	b	61	85	7	—	3	1	0	1	—	0	1
Gorleston	1003·0	0	S'W	1	b	59	85	6	—	—	—	0	0	—	0	1
Mildenhall	1021·7	0	ESE	2	bc	65	75	7	—	3	1	0	4-6	—	0	*
Cranwell	1022·1	0	SSE	2	c	61	85	7	—	—	8	0	7-8	—	0	*
Birmingham	1020·3	-2	SE	2	bc	67	75	6	—	—	2	0	4-6	—	0	*
Upper Heyford	1020·6	-2	SE	2	z_0	68	75	6	—	—	2	0	2-3	—	0	*
Ross-on-Wye	1019·8	-4	W'N	2	z_0	66	85	6	—	7	—	0	9+	—	0	*
Hartland Point	1016·1	0	SE	4	c	70	75	8	5	6	—	4-6	7-8	2500	0	3
Bristol	1019·9	+2	SE	2	c	66	85	7	—	7	6	0	9+	—	0	*
Portland Bill	1019·2	+6	E	4	c	61	92	7	2	4	—	7-8	9	2500	1	3
Plymouth	1018·5	+2	E	3	z_0	67	85	6	—	8	5	0	7-8	—	0	3
The Lizard	1017·5	+4	—	0	bc	59	97	5	7	3	—	4-6	4-6	2500		
Scilly (St. Mary's)	1017·2	+10	SE'S	2	c	57	65	7	5	—	—	10	10	1500	0	3
Guernsey																
Pembroke	1017·3	+6	ESE	5	bc	61	92	7	—	7	1	0	4-6	—	0	3
Valley	1015·4	-12	ENE	3	bcjf	71	75	8	—	—	2	0	4-6	—	0	2
Chester (Sealand)	1018·5	-2	SSE	2	c	67	85	6	—	7	1	7-8	9	<150	0	*
Manchester	1019·8	+2	ESE	1	z_0	70	75	5	—	9	—	0	7-8	—	0	*
Spurn Head	1022·6	0	SE	3	b	58	85	7	—	—	—	0	0	—	0	2
Catterick	1020·9	-2	S	3	m	59	92	4	—	3	—	0	4-6	—	0	*
Tynemouth	1021·4	-6	S	2	bc	58	85	6	—	3	—	0	4-6	—	0	2
St. Abbs Head	1020·0	-4	SE	3	fi	56	85	3	—	—	—	10	10	<150	0	2
Leuchars	1020·9	-2	NE	1	f	53	97	2	—	—	—	10	10	<150	0	*
Renfrew (Abbots I.)	1019·3	-6	SE'S	1	c/pr	58	85	6	3	8	3	7-8	9	3500	0	*
Eskdalemuir	1019·7	+2	NNE	2	z_0	61	75	6	5	1	—	2-3	10	2500	0	*
Point of Ayre	1017·3	-6	SE'E	4	c	60	92	5	5	1	—	4-6	9	5000	0	3
Tiree	1016·0	-12	NE'N	3	c/r	55	92	8	5	—	—	9+	1	1800	1	3
Stornoway	1019·4	-14	—	0	c	53	92	8	7	4	5	4-6	7-8	5000	0	1
Dalwhinnie		-10	NNE	1	c	59	65	8	5	4	—	2-3	7-8	2500	0	*
Aberdeen	1021·4	-4	SE'E	2	f	50	97	3	5	—	—	10	10	<150	0	1
Wick	1021·6	-2	SE'S	3	f	48	97	2	—	—	—	10	10	<150	0	*
Sumburgh	1022·6	+2	S	3	cjf	49	92	8	5	3	—	7-8	9	4000	*	*
Blacksod Point	1011·0	-8	S	2	c	60	85	8	5	—	—	9+	9+	2500	0	3
Malin Head	1013·9	-28	ESE	4	c	57	75	7	—	—	9	0	7-8	—	0	2
Aldergrove	1013·9	-34	ESE	4	z_0	64	75	6	8	1	—	4-6	9+	4000		*
Birr Castle	1012·3	-4	SSE	3	c	64	85	8	5	1	—	7-8	9	2500	0	*
Valentia Obsy.	1012·2	+6	SSE	4	d_0d_0	59	97	6	5	—	—	10	10	800	0	4
Roches Point	1014·2	+6	S	3	c	58	92	8	5	—	—	9+	9+	1500	0	4

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 20th Hrs. (36)
London (Kew)	81	60	50	—	—	8·6
Croydon	81	56	54	—	—	9·7
S. Farnborough	85	60	55	—	—	13·3
Boscombe Down	83	55	52	—	Tr	11·3
Thorney Island	76	57	53	—	—	*
Lympne	72	55	46	—	—	8·6
Manston	72	53	46	—	Tr	13·7
Shoeburyness	68	54	46	—	—	13·6
Felixstowe	66	57	53	—	—	13·4
Gorleston	62	57	47	—	—	*
Mildenhall	82	53	45	—	—	13·0
Cranwell	80	55	51	—	—	12·1
Birmingham	81	60	55	*	—	13·4
Upper Heyford		59	53		—	*
Ross-on-Wye	83	60	53	—	—	12·8
Hartland Point	74	65	61	—	—	9·4
Bristol	82	57	49	—	—	9·2
Portland Bill	65	58	*	—	—	*
Plymouth	75	64	60	Tr	—	4·2
The Lizard			*	—		
Scilly (St. Mary's)	66	54	*	0·1	—	0·2
Guernsey						
Pembroke	71	59		—	—	8·3
Valley	71	57	51		—	11·8
Chester (Sealand)	72	57	52	—	—	12·6
Manchester	79	61	55	—	—	11·6
Spurn Head	61	55	*	—	—	13·2
Catterick	70	52	47	Tr	—	8·1
Tynemouth	62	53	50	—	—	*
St. Abbs Head	62	53	*	—	—	*
Leuchars	70	50	46	—	—	14·6
Renfrew (Abbots I.)	75	52	45	—	0·2	10·7
Eskdalemuir	75	54	49	—	—	13·4
Point of Ayre	68	53	*	—	—	13·8
Tiree	63	52	*	—	0·2	9·0
Stornoway	62	46	*	—	—	1·6
Dalwhinnie	72	37	28	—	—	13·9
Aberdeen	64	45	42	—	—	14·3
Wick	63	47	47	*	*	*
Sumburgh	*	*	*	*	*	*
Blacksod Point	66	57	*	—	7	*
Malin Head	58	50	*	—	Tr	11·4
Aldergrove						
Birr Castle	75	59	52	—	Tr	9·2
Valentia Obsy.	72	58	57	Tr	0·3	3·6
Roches Point	64	58	*	0·2	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.	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	bz₀bcz₀y	bcz₀y	bcz₀bcmz₀	81	60	50	—	—	8·6	*	*	6
Croydon	217	bbcz₀y	bz₀y, c	dbcwzm	81	56	54	—	—	9·7	*	*	7
Greenwich (Royal Observatory)	149	fby	bz₀bcy	bcbwbc	81	56	46	—	—	8·2	60	63	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	83	61	57	—	—		59	65	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	83	59	53	—	—		55	60	*
Camden Square	110	bc	bc	*	83	59	54	—	—	*	*	65	*
Kensington	80	bc	bcz	*	85	59	52	—	—		60	66	*
Hampstead Observatory	450		*								*		*

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.
0·5	8h 20th	<0·1	16-18h 20th

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.

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

‡ 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.

BRITISH SECTION — SECRET

Sunday 22nd June, 1941

No. 29,067.

OBSERVATIONS at 13h. G.M.T. 21st June

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)	1019.2	-12	SSE	2	zo	84	45	6	5	3	-	Tr	2-3	2500
	Croydon	1018.6	-22	SE'S	2	bc	85	45	7	-	4	4	0	2-3	-
	S. Farnborough	1018.9	-12	SE'S	2	b	85	45	7	-	3	1	0	1	-
	Boscombe Down	1019.2	-6	SE	3	bc	82	45	7	-	3	8	0	4-6	-
	Thorney Island	1019.4	-8	E'S	3	bc	80	55	7	-	3	1	0	2-3	-
	Lympne	1020.5	-6	E	2	zo	77	65	6	-	-	2	0	4-6	-
	Manston	1020.8	-2	ESE	3	zo	72	65	6	-	-	4	0	4-6	-
2	Shoeburyness	1021.0	-10	E	3	bc	68	75	6	-	4	2	0	4-6	-
	Felixstowe	1021.6	-6	ESE	3	zo	66	65	6	-	-	6	0	7-8	-
	Gorleston	1022.5	-6	SSE	2	zo	62	75	6	-	-	5	0	2-3	-
	Mildenhall	1020.6	-6	SE'E	4	bc	79	45	8	-	-	1	0	2-3	-
	Cranwell	1020.7	-10	S'W	5	b	82	35	7	-	-	1	0	Tr	-
3	Birmingham	1018.0	-10	SSE	3	bc	83	35	8	-	3	6	0	4-6	-
	Upper Heyford	1018.9	-14	S'E	3	zo	85	35	6	-	-	1	0	1	-
4	Ross-on-Wye	1017.5	-12	SE	3	c	85	55	7	-	9	1	0	7-8	-
5	Hartland Point	1015.9	-4	W	2	c	65	85	7	5	4	-	4-6	7-8	3000
	Bristol	1018.2	-10	SSE	3	c	84	55	8	-	3	6	0	7-8	-
	Portland Bill	1018.9	-4	E	4	c	61	85	7	2	7	-	4-6	9	2500
	Plymouth	1017.1	-8	ESE	3	bc	80	65	8	-	3	3	0	4-6	-
	The Lizard	1016.6	-4	-	0	cf+	67	85	3	5	-	-	10	10	800
	Scilly (St. Mary's)	1016.8	0	WSW	3	c	61	85	7	5	8	-	7-8	9+	1500
	Guernsey														
6	Pembroke	1017.0	-8	W	3	F+	58	85	1	-	-	-	10	10	<150
7	~~Holyhead~~ Valley	1015.5	+2	SW	4	f+	61	85	3	-	-	-	10	10	<150
	Chester (Sealand)	1016.4	-14	SE	5	zo	79	55	6	-	9	-	0	7-8	-
8	Manchester	1018.1	-14	SE'S	4	c/r	81	45	7	5	7	-	4-6	7-8	5700
10	Spurn Head	1020.7	-4	SE'E	4	b	60	85	6	-	-	-	0	0	-
	Catterick	1017.6	-20	SSE	5	zo	82	45	6	8	7	5	4-6	7-8	3500
	Tynemouth	1019.0	-12	SE	4	c	61	85	6	8	3	-	4-6	7-8	2500
11	St. Abbs Head	1016.7	-24	SE	5	c	59	85	6	9	7	-	4-6	9	2000
	Leuchars	1018.1	-16	ENE	3	iro	55	92	5	5	-	-	10	10	400
12	Renfrew (Abbots I.)	1015.6	-14	E'S	2	zo	72	65	6	2	7	2	4-6	7-8	3500
	Eskdalemuir	1015.8	-14	S	4	c	75	55	6	7	7	-	4-6	7-8	2500
	Point of Ayre	1015.6	-18	NW	2	c	74	65	8	5	4	9	2-3	9	5000
13A	Tiree	1010.8	-24	ESE	4	bc	66	65	7	5	-	-	4-6	4-6	3500
13B	Stornoway	1015.7	-14	E	3	c	62	65	8	5	7	-	4-6	9+	3000
15	Dalwhinnie	1016.0	-10	SSW	3	c	68	65	7	4	7	-	4-6	9+	2500
	Aberdeen	1019.9	-8	ESE	2	m/f	52	92	4	5	-	-	10	10	200
	Wick	1019.1	-22	SE'E	3	zo	51	97	6	5	-	-	10	10	100
16	~~Lerwick~~ Sumburgh	1022.3	-6	SSE	3	if	53	85	6	5	-	1	9	9+	200
17	Blacksod Point	1011.4	+2	S	4	iro	58	92	7	6	-	-	10	10	1500
18	Malin Head	1011.5	-4	S	3	c	71	75	7	2	6	-	4-6	7-8	4000
	Aldergrove	1012.6	-6	SSE	3	c	73	65	7	-	7	7	0	9+	-
19	Birr Castle	1013.1	+2	SW	2	c	68	75	8	5	1	-	7-8	9	2500
20	Valentia Obsy. †	1013.7	+6	S	4	zo	61	92	6	5	-	-	10	10	800
	Roches Point	1015.0	+2	S'W	3	c	60	92	8	5	-	-	9+	9+	800

OBSERVATIONS at 18h. G.M.T. 21st June — 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. 21st (37)	Weather 13h.–18h. 21st (38)	Weather 18h. 21st to 1h. 22nd (39)	Weather 1h.–7h. 22nd (40)
London (Kew)	1017.3	-10	ENE	3	zo	81	55	6	-	-	6	0	4-6	-	0	*	cbczoy	bcbbczoy	bczo	bmowbzo
Croydon	1017.7	-6	SE'E	2	bc	83	45	7	-	-	6	0	4-6	-	0	*	bcby	bybcy	bcybwmo	bbcb
S. Farnborough	1017.0	-14	SE'S	3	bc	82	45	8	-	-	2	0	4-6	-	0	*	bczoyb	bybcy	bccybzo	bzob
Boscombe Down	1017.1	-16	SE'E	4	bc	79	55	7	-	3	1	0	4-6	-	0	*	bczoy	bcy	cbcmob	bcmo
Thorney Island	1017.1	-12	E'S	3	bc	77	55	7	-	3	2	0	4-6	-	0		cmocbc	bcy	ybcb	bfgbmo
Lympne	1018.7	-10	ENE	7	b	76	55	7	-	-	1	0	1	-	0	§	bcmo	bcmobcbyb	ybcbzo	bczo
Manston	1018.8	-12	E'N	3	b	69	65	7	-	-	-	0	0	-	0	*	bbczo	bcbzoyb	bbzo	bbcc bzo
Shoeburyness	1019.4	-12	E'N	3	b	66	75	7	-	-	-	0	0	-	0	*	bczo	bczoc	bcb	bwbzo
Felixstowe	1019.6	-12	E'S	3	zo	64	65	6	-	-	1	0	Tr	-	0	2	bbzo bczo	bczobzo	bcbmo	bmobcc
Gorleston	1020.4	-10	ESE	2	b	62	75	7	-	-	-	0	0	-	0	2	bbczo	bczo	cbczow	bczo
Mildenhall	1018.6	-10	SE	4	bc	75	45	7	-	-	6	0	4-6	-	0	*	bcbcy	bcybybcy	bcybzo	bzobc
Cranwell	1018.6	-10	S	5	c	78	55	7	-	3	4	0	7-8	-	0	*	bcmoby	bbcy	bcycbc	cbcb
Birmingham	1016.0	-14	SE	2	c	82	45	8	-	4	6	0	7-8	-	0	*	bc	rcc	cbc	bcb
Upper Heyford	1016.8	-6	SSE	3	c	84	55	7	-	-	6	0	9	-	0	*	bcybcyzo	cy	cyzobcmo	bcbmo
Ross-on-Wye	1015.1	-14	SSE	4	bc	84	55	7	-	4	6	0	4-6	-	0	*	czbc	cxy	bccbc	bmowbc
Hartland Point	1015.4	-6	W	3	F	58	97	2	-	-	-	10	10	<150	0	3	c	coH	ffe	ffecp
Bristol	1016.3	-6	SE	2	c	80	65	8	-	9	2	0	7-8	-	0	*	cbccy	cybcc	cbc	bc
Portland Bill	1016.1	-10	E	4	c	61	85	7	2	-	-	9	9	2500	1	3	c	c	bcbc	bcc
Plymouth	1015.5	+2	SE'S	2	bc	78	55	8	-	3	3	0	4-6	-	0	2	cmocbc	cybcy	bcyb	b, fofe
The Lizard	1015.5	-10	W'N	3	bc	59	92	6	4	-	-	4-6	4-6	2500	0	2	bccm FF	mcbc	bcw	cprc
Scilly (St. Mary's)	1015.1	-14	SW'W	2	bc	61	75	8	5	-	3	4-6	4-6	1500	0	2	c	cbc	bcc	c
Guernsey																				
Pembroke	1015.5	-6	W	1	c	57	97	6	5	2	3	7-8	10	2500	0	3	bccmf	ifcm	fefe	ifec
Valley	1014.5	-12	SE'S	3	zo	59	85	6	-	3	9	0	9+	-	0	2	bcytd	frmocbcc	c	cfmo
Chester (Sealand)	1014.0	-12	SE	4	zo	84	55	6	-	9	2	0	7-8	-	0	*	cmzoyo	cbczoy	bczoymo	bymxfro
Manchester	1015.1	-12	SE'E	3	c	84	55	7	-	3	2	0	7-8	-	0	*	czoprorоy	cyroro	cybcczo	czobczobzo
Spurn Head	1018.4	-8	SE	5	zo	60	75	6	-	-	1	0	2-3	-	0	3	bzo	bczo	b	bc
Catterick	1015.2	-12	SSE	3	c	81	55	7	5	9	-	Tr	7-8	6000	0		bcmozdy	zor rocy	bcybczo	bczobmo
Tynemouth	1017.2	-6	SSE	4	c	60	92	7	8	3	-	4-6	7-8	2500	0	3	bcfc	c	cbc	bc
St. Abbs Head	1013.8	-10	SE	4	c	62	75	7	4	4	7	2-3	7-8	2000	0	2	fcmo	moc	tlc	cbc
Leuchars	1015.2	-16	ENE	2	zo	58	85	6	5	7	-	9	9+	1200	0	*	fmiromo	irocmo	TLRHro	Hrocmobmo
Renfrew (Abbots I.)	1013.3	-8	WSW	2	c	78	45	7	1	8	2	2-3	7-8	5000	0	*	cmoprbcc	czobcc	cbc	bccbcmo
Eskdalemuir	1013.5	-4	SW'W	4	c	76	65	6	7	7	4	Tr	7-8	2500	0	*	cirobc	bcy	bccplRH	cplbcb
Point of Ayre	1014.6	-10	NE'N	1	c	60	92	7	5	4	-	4-6	7-8	5700	0	1	c	c	cbcbc	c
Tiree	1010.9	0	SE	2	c	61	85	7	5	-	-	9+	9+	2500	0	3	bc	c	c	c
Stornoway	1012.0	-8	SW	4	c	65	75	7	5	7	-	7-8	9+	2000	1	3	cproc	c	c	c
Dalwhinnie	1013.6	-6	SSE	2	c	68	65	6	8	1	-	4-6	10	2500	0	*	tlr	co	*	ocl
Aberdeen	1016.5	-8	SE	1	o	54	92	6	5	1	-	10	10	600	0	2	cffom	romomo	ocHR	cHrc
Wick	1015.8	-18	SSE	3	m	50	97	4	5	-	-	10	10	<150	*	*	ffommo	c	c	jflcmobc
Sumburgh	1019.2	-24	ESE	4	ojf	50	92	7	5	-	-	10	10	300	*	*	f	f	r	c
Blacksod Point	1011.1	-2	SW	3	o	58	92	6	5	-	-	10	10	450	0	3	iro	o	c	dd
Malin Head	1011.8	0	-	0	c	59	85	7	2	-	2	4-6	7-8	4000	0	0	c	c	c	czzc
Aldergrove	1011.9	-4	S'W	2	c	74	65	7	5	7	6	2-3	7-8	5000	0	*	czoc	ccybc	bccbcw	bcwcmof
Birr Castle	1012.3	-4	SW	2	c	69	75	8	5	-	8	7-8	9	4000	0	*	c	c	c	c
Valentia Obsy. †	1012.6	-6	S	3	zo	61	92	6	5	1	-	9+	10	800	0	3	dodoomo	ocmo	omdododomdr	omdriroc
Roches Point	1013.4	-14	S	3	o	59	97	7	5	-	-	10	10	800	0	4	idoc	co	dd	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/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.

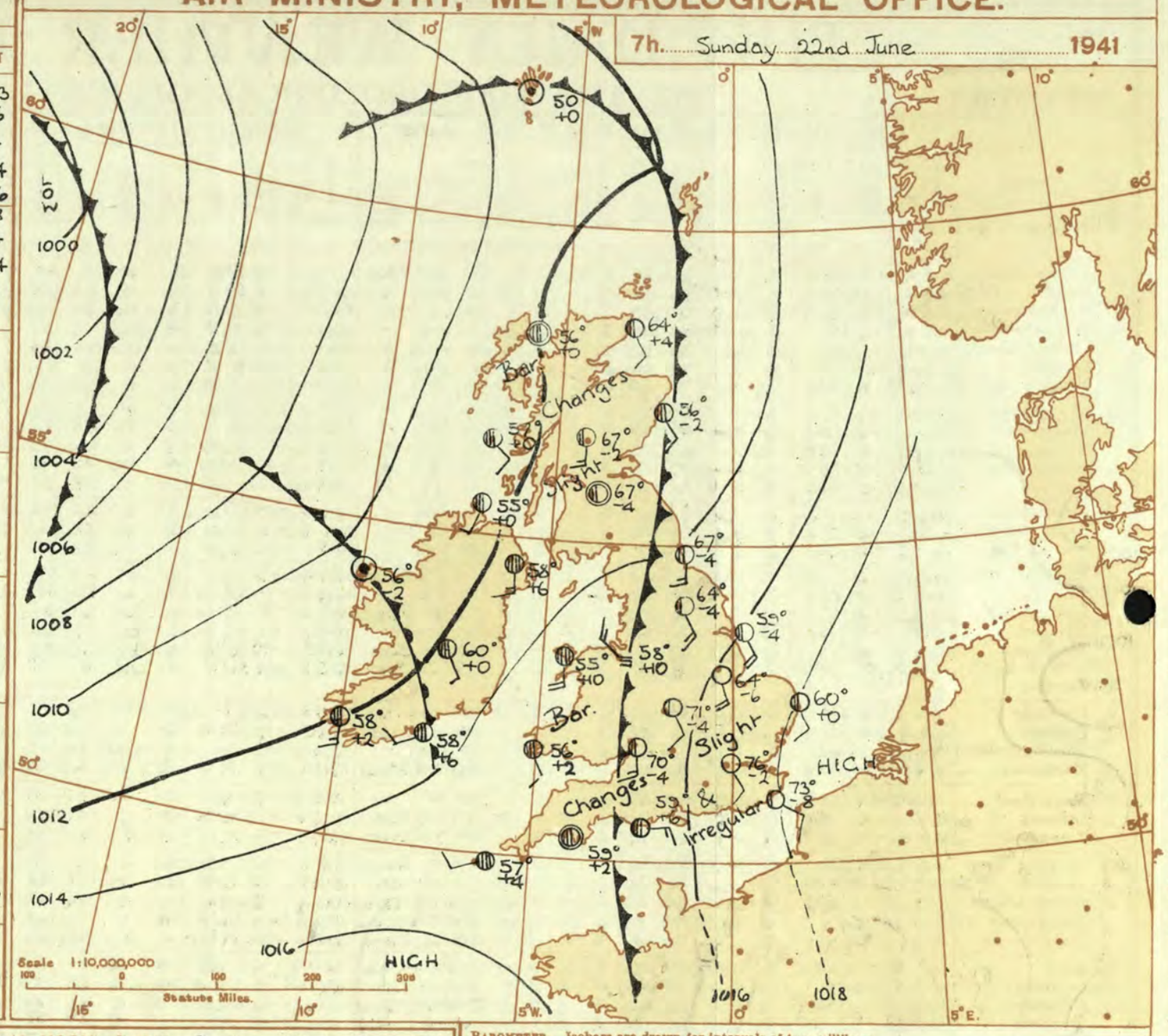
NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.

AIR MINISTRY, METEOROLOGICAL OFFICE.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 21st June			18h. G.M.T.			01h. G.M.T. 22nd June			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	53	00728	30517	5-	25728	14388	52	05635	15225	00	05530	00003
115	52	02844	08486	57	02744	12497	52	02844	20327	54	02844	20226
203	5-	02847	10427	5-	03848	16328	5-	03838	16328	5-	01834	16124
206	83	25755	12286	81	02764	30228				03	01690	00024
210	8-	81758	00287	57	03664	10388	57	02764	17227	53	05761	08126
220	03	01000	11404	03	05690	14305				5-	03718	20128
230	57	05673	10287	07	05790	16325	07	05790	00023	10	05854	20104
245	82	25556	09388	53	02785	04368				26	05664	04294
260	8-	05667	08227	73	05564	06324				10	05664	00015
277												
279	03	05690	13426	13	05663	21314						
285	23	05645	12427									
288	54	17774	17315	59	25774	14327	04	01790	17224	00	05690	23113
273												
301	51	01674	46684	09	02790	27315	04	05690	06212	--	44309	28249
321	00	01790	15413	03	01790	15415	07	05690	15213	00	00790	15210
299	50	05652	16302	57	01753	18414				57	01763	18213
292	54	01763	13414	53	02763	14317	07	01690	12314	03	05690	11111
310							03	05690	15323			
316	04	01790	14314	04	01790	15414	03	05690	00013	00	05590	12100
333	60	00790	18314	08	05690	08315	5-	05533	20313	5-	05252	16258
334	--	01771	14203									
340	19	25771	12387	09	02890	18316	50	05562	14302	13	05662	14313
136	00	01790	12401	04	01790	12304	00	05690	12302			
336	53	01763	16415	53	01763	12414						
350	00	01790	14413	00	05690	12315	00	05690	12100	00	05690	11110
368	59	02761	11327							5-	41418	23248
379	00	05690	14413	00	01790	14525	00	05690	14301	08	05690	14302
390	00	01790	06313	00	01790	12114	00	05690	08111	00	00790	08210
382	00	00790	14202	03	01890	14325	00	05690	00013	03	05690	12201
438	51	01663	02314							50	00761	12101
430	03	01790	12313	03	01890	12213	03	05690	12113	00	05690	12200
409	5-	03408	23328	5-	51408	25248	50	03404	20154	52	22845	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).



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 22nd June, 1941.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light S.E. wind veering S.W. light or moderate. Local thunderstorms. Bright intervals. Very warm becoming cooler.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England	Light S. wind, becoming S.W. light or moderate. Cloudy. occasional rain. Local thunderstorms. Local coast fog. Becoming cooler.
9 N. Midlands ... 10 N.E. England	As 1-4.
11 S.E. Scotland	Light or moderate S. wind. Fair at first. Local rain later. warm.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland.	Light or moderate S. wind. Cloudy. Local rain. Local coast fog. Warm.
14 Mid Scotland 15 N. E. Scotland	As 11.
16 Orkneys and Shetlands	Light or moderate south wind. Cloudy. Local rain and fog. Rather warm.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light or moderate S. to S.W. wind. Cloudy. Occasional rain.

GENERAL INFERENCE.

An anticyclone over North Germany is moving slowly S.E. and a trough of low pressure over England is moving slowly east. Weather will be fine in the East at first but local thunderstorms are expected later. In the west there will be much cloud at times with local rain. Cooler conditions will spread from the west to all districts.

FURTHER OUTLOOK.

Bright intervals. Local rain. Local coast fog in the west. Warm but cooler than of late.

Warm front
Cold front
Occlusion

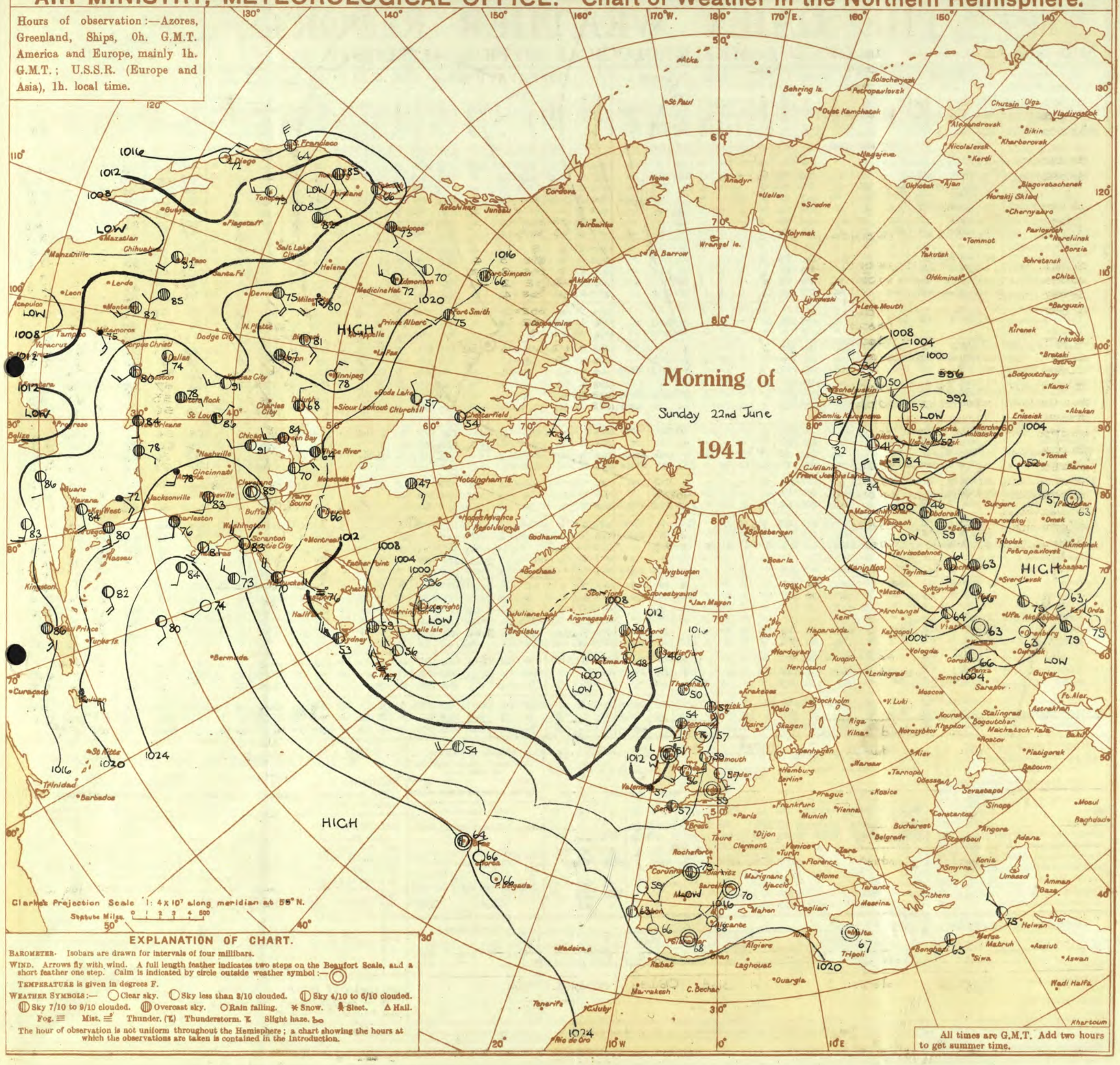
Forecasts issued at 10.30h. G.M.T.

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

H.M.S.O. Press Cornwall House, S.E.1.
G.266. Wt. 8176. D. 6054. Gp. 949. 9300. 5/41

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

Sunday 22nd June 1941

No. 20,067.

OBSERVATIONS at 1 hr. G.M.T. 22nd June

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	1017·5	-6	—	0	Z_0	59	75	6	—	4	—	0	Tr	—
	S. Farnborough	226	1016·8	-6	SE'E	2	Z_0	67	75	6	—	—	1	0	2-3	—
	Boscombe Down	417	1016·7	-6	ESE	4	Z_0	67	75	6	5	—	—	1	1	4000
	Thorney Island	10	1016·5	-6	E'S	2	b	67	85	7	—	—	—	0	0	—
	Lympne ...	346	1019·6	-2	SE	2	Z_0	66	75	5	—	—	—	0	0	—
	Manston ...	154	1018·0	-6	SE'S	2	Z_0	64	73	6	—	—	—	0	0	—
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1018·8	-4	—	0	Z_0	60	85	6	—	—	1	0	Tr	—
	Gorleston ...	5	1023·7	-2	S	2	b	59	85	6	—	3	—	0	1	—
	Mildenhall ...	19	1018·3	0	E'S	2	Z_0	59	75	6	—	—	—	0	0	—
	Cranwell ...	240	1018·6	-2	SSE	3	bc	59	85	6	—	3	1	0	2-3	—
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1017·5	-2	SE'E	1	Z_0	65	85	6	—	4	6	0	4-6	—
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1015·4	+2	W	2	f	56	97	2	—	—	—	10	10	<150
	Bristol ...	209	1015·8	-2	SSE	2	bc	66	75	7	—	3	4	0	2-3	—
	Portland Bill ...	32	1015·1	-6	E	4	bc	59	92	7	4	—	—	2-3	2-3	2500
	Plymouth ...	82	1015·7	0	—	0	m	59	97	4	—	—	—	0	0	—
	The Lizard ...	240	1015·8	0	W	2	bc	54	97	8	8	—	1	2-3	4-6	2500
	Scilly (St. Mary's)	163	1015·8	-2	SW'W	2	c	57	92	7	5	—	—	10	10	1500
	Guernsey ...	175														
6	Pembroke ...	142	1015·6	0	SW	3	F	56	97	1	—	—	—	10	10	<150
7	~~Holyhead~~ Valley ...	26	1014·3	+2	SSW	4	b	55	97	7	—	—	—	0	0	—
	Chester (Sealand)	16	1014·3	-6	SE	1	Z_0	61	85	5	5	—	2	1	4-6	4000
8	Manchester ...	70	1015·3	0	ESE	2	Z_0	72	75	6	5	3	—	2-3	9	5000
10	Spurn Head ...	29	1017·9	-4	SE	4	bc	57	85	7	—	1	—	0	2-3	—
	Catterick ...	175	1015·9	0	S	3	Z_0	66	75	6	—	7	—	0	7-8	—
	Tynemouth ...	108	1016·9	-2	S	3	bc	59	85	7	2	3	—	2-3	2-3	2500
11	St. Abbs Head	280	1014·0	-8	S	3	c	63	85	7	8	7	—	4-6	10	1500
	Leuchars ...	36	1015·0	+4	—	0	Hr_0	54	97	5	5	—	—	10	10	800
12	Renfrew (Abbots I.)	19	1013·3	0	W'S	1	bc	62	85	7	—	3	—	0	2-3	—
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1013·6	-4	N'W	2	bc	59	85	7	4	—	—	2-3	2-3	4000
13A	Tiree	22	1011·4	0*	SSE	1*	0*	56	92	7*	5*	*	—*	10	10	2100
13B	Stornoway ...	80	1012·5	+4	S	3	c	54	92	7	5	7	—	7-8	9+	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	~~81~~ 118	1012·7	-10	SSE	2	cif	52	92	5	3	7	—	1	9+	1500
16	~~Berwick~~ Sumburgh ...	~~150~~ 30	1016·3	-14	E'S	5	Z_0	51	92	5	5	2	—	2-3	10	400
17	Blacksod Point	18	1011·4	-4	—	0	c	56	97	7	5	—	—	10	10	1500
18	Malin Head ...	84	1012·1	+2	—	0	c	51	92	7	9	—	—	9	9	2500
	Aldergrove ...	268	1012·2	-2	SE	1	c	56	92	7	—	4	2	0	7-8	—
19	Birr Castle ...	173	1012·6	+2	S	2	c	59	85	8	5	1	—	7-8	10	2500
20	Valentia Obsy.	30	1012·2	-6	S'W	2	dr	57	97	4	5	—	—	10	10	<150
	Roches Point	22	1013·3	-2	S	3	dd	58	97	6	5	—	—	10	10	450

OBSERVATIONS at 7 hr. G.M.T. 22nd June

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)	1016·2	-4	ENE	1	Z_0	72	65	5	—	—	—	0	0	—	0	*
Croydon ...	1016·0	-2	SSE	2	b	76	75	7	—	—	—	0	0	—	0	*
S. Farnborough	1015·9	-2	S'E	3	b	72	75	7	—	—	—	0	0	—	0	*
Boscombe Down	1015·7	-2	ESE	3	Z_0	71	85	6	1	3	—	2-3	4-6	7200	0	*
Thorney Island	1015·9	0	NE'N	3	Z_0	71	85	6	—	—	—	0	0	—	0	*
Lympne ...	1017·9	-8	ESE	2	Z_0	73	65	6	—	—	1	0	Tr	—	0	§
Manston ...	1017·6	+6	SE'S	2	Z_0	67	75	6	—	—	1	0	1	—	0	*
Shoeburyness ...	1017·6	0	E	1	b	68	75	6	—	—	1	0	Tr	—	0	*
Felixstowe ...	1018·1	0	ESE	3	c	65	75	7	—	—	6	0	9	—	0	1
Gorleston ...	1018·8	0	SSE	2	Z_0	60	85	6	—	4	2	0	4-6	—	0	1
Mildenhall ...	1016·5	-4	SE	2	bc	70	65	7	—	—	1	0	2-3	—	0	*
Cranwell ...	1017·2	-6	SSE	4	b	64	75	7	—	—	—	0	0	—	0	*
Birmingham ...	1014·9	-4	SSE	2	b	71	75	8	—	8	—	0	1	—	0	*
Upper Heyford	1016·0	-12	SE	2	Z_0	70	75	6	7	—	—	Tr	Tr	6000	0	*
Ross-on-Wye	1014·7	-4	S	2	Z_0	70	75	6	—	8	1	0	2-3	—	0	*
Hartland Point	1015·9	+12	WSW	3	c/pr	56	92	7	5	2	—	7-8	10	1500	1	3
Bristol ...	1014·9	-6	SE	1	bc	68	85	7	—	8	5	0	4-6	—	0	*
Portland Bill ...	1015·0	+6	E	3	c	59	92	7	2	4	—	4-6	9	2500	0	3
Plymouth ...	1015·4	+2	—	0	c/f	59	97	5	5	2	—	9+	10	300	0	1
The Lizard ...	1015·3	-4	W	2	c	57	92	8	5	—	—	10	10	1800	1	2
Scilly (St. Mary's)	1015·0	+4	SW'W	2	c	57	85	8	5	—	—	10	10	1500	0	2
Pembroke ...	1015·2	+2	SSE	2	c	56	97	8	8	6	—	7-8	10	2500	0	3
~~Holyhead~~ Valley ...	1014·7	+10	S	4	Z_0	55	97	6	5	—	—	10	10	800	1	3
Chester (Sealand)	1014·8	+10	NW'W	3	f-	58	92	3	5	—	—	10	10	2000	0	*
Manchester ...	1014·5	-2	SSE	2	bc	73	65	7	5	—	—	4-6	4-6	5700	0	*
Spurn Head ...	1016·9	-4	SE'S	4	bc	59	85	7	5	—	—	4-6	4-6	5700	0	3
Catterick ...	1015·3	-4	SSE	3	Z_0	64	75	6	1	—	—	Tr	Tr	4000	0	*
Tynemouth ...	1015·5	-4	S	3	bc	67	85	6	—	3	2	0	4-6	—	0	2
St. Abbs Head	1012·9	-2	SSE	2	bc	67	75	7	4	4	1	2-3	4-6	2500	0	2
Leuchars ...	1013·7	+12	NE	2	b	55	97	6	—	—	—	0	0	—	1	*
Renfrew (Abbots I.)	1013·0	-4	—	0	Z_0	67	75	5	—	3	—	0	4-6	—	0	*
Eskdalemuir ...	1013·2	0	SE'S	1	b	65	85	6	7	4	—	Tr	1	2500	1	*
Point of Ayre ...	1014·3	+10	—	0	c	57	97	7	9	—	—	9+	9+	1500	0	1
Tiree	1010·7	0	SE	2	c	57	85	8	5	—	—	9+	9+	2800	0	3
Stornoway ...	1012·5	0	—	0	c	56	92	7	5	7	—	7-8	9+	2500	0	1
Dalwhinnie ...	1013·0	-2	S	3	bc	67	75	6	8	—	—	4-6	4-6	1500	0	*
Aberdeen ...	1014·4	-2	SE'S	2	c/pr	56	85	6	3	—	3	4-6	7-8	2100	1	2
Wick ...	1012·9	+4	SSE	2	bc	64	85	7	—	—	2	0	2-3	—	0	*
Sumburgh ...	1014·6	+8	SE	5	bc	56	85	7	—	7	2	0	4-6	—	*	*
Blacksod Point	1010·5	-2	—	0	d_0d_0	56	97	6	6	—	—	10	10	450	1	2
Malin Head ...	1011·2	0	SSW	1	Z_0	55	92	5	9	—	—	9	9	1500	0	0
Aldergrove ...	1012·6	+6	S	3	Z_0	58	85	6	5	—	—	10	10	900	0	*
Birr Castle ...	1012·2	0	SSE	1	c	60	85	8	5	1	—	7-8	10	2500	0	*
Valentia Obsy.	1011·8	+2	S	3	c	58	92	8	8	3	—	7-8	9+	2500	0	3
Roches Point	1013·2	+6	SW	2	c/d	58	97	7	5	—	—	9+	9+	800	0	4

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 21st. Hrs. (36)
London (Kew)	86	64	55	-	-	11·4
Croydon ...	87	58	58	-	-	13·3
S. Farnborough	86	65	59	-	-	13·5
Boscombe Down	83	63	58	-	-	9·5
Thorney Island	81	65	59	-	-	*
Lympne ...	80	65	52	-	-	13·8
Manston ...	74	61	56	-	-	13·8
Shoeburyness ...	70	56	49	-	-	11·5
Felixstowe ...	68	58	53	-	-	13·8
Gorleston ...	63	57	49	-	-	*
Mildenhall ...	80	57	50	-	-	12·8
Cranwell ...	84	56	52	-	-	12·1
Birmingham ...	85	65	58	*	-	8·0
Upper Heyford	87	62	57	-	-	*
Ross-on-Wye	88	66	60	-	-	8·4
Hartland Point	73	54	54	-	0·1	4·4
Bristol ...	86	61	55	-	-	7·3
Portland Bill ...	64	58	*	-	-	*
Plymouth ...	82	57	57	-	Tr	11·3
The Lizard ...	68	53	*	-	0·5	8·9
Scilly (St. Mary's)	68	56	*	-	-	2·9
Pembroke ...	63	54	*	-	0·4	1·0
~~Holyhead~~ Valley ...	78	54	49	-	-	9·2
Chester (Sealand)	87	56	56	-	-	6·7
Manchester ...	86	69	64	Tr	-	7·5
Spurn Head ...	64	55	*	-	-	12·3
Catterick ...	82	60	56	Tr	-	5·2
Tynemouth ...	62	55	54	-	-	*
St. Abbs Head	65	54	*	-	-	*
Leuchars ...	58	54	53	0·1	11	0·0
Renfrew (Abbots I.)	82	61	56	Tr	-	4·7
Eskdalemuir ...	81	57	55	Tr	14	8·4
Point of Ayre ...	75	54	*	-	-	4·0
Tiree	70	55	*‡	0·1	-	4·8
Stornoway ...	68	53	*	Tr	-	7·0
Dalwhinnie ...	72	59	56	1	-	2·4
Aberdeen ...	54	54	52	Tr	3	0·1
Wick ...	82	61	56	Tr	-	4·7
Eskdalemuir ...	81	57	55	Tr	14	8·4
Point of Ayre ...	75	54	*	-	-	4·0
Tiree	70	55	*‡	0·1	-	4·8
Stornoway ...	68	53	*	Tr	-	7·0
Dalwhinnie ...	72	59	56	1	-	2·4
Aberdeen ...	54	54	52	Tr	3	0·1
Wick ...	82	61	56	Tr	-	4·7
Eskdalemuir ...	81	57	55	Tr	14	8·4
Point of Ayre ...	75	54	*	-	-	4·0
Blacksod Point	61	54	*	Tr	0·4	*
Malin Head ...	72	52	*	-	-	6·2
Aldergrove ...	77	53	46	-	-	5·8
Birr Castle ...	71	58	57	-	-	5·0
Valentia Obsy.	62	56	55	0·1	0·6	0·0
Roches Point	61	57	*	0·1	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 (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	cbcz$_0$y	bdbbcz$_0$y	bcz$_0$bm$_0$z$_0$	86	64	55	-	-	11·4	*	*	7
Croydon ...	217	bcby	bybcy	bcybomb	87	58	58	-	-	13·3	*	*	7
Greenwich (Royal Observatory) ...	149	bcby	bbcy	bccb	83	59	48	-	-	13·2	53	60	7
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	84	64	56	—			54	55	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*									*
Camden Square ...	110	bc	b	*	88	63	58	-	-	*	*	61	*
Kensington ...	80	bcb	bbc	*	87	62	58*	-	-		56	63	*
Hampstead Observatory ...	450	bc	bc	bc	83	64	57	-	-		*	62	*

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.
0·2	6-7h 22nd	<0·1	10-16h 21st

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

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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

Monday 23rd June 1941

No. 29068

OBSERVATIONS at 13h. G.M.T. 22nd June

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)	1015.4	-6	S	4	bc	82	65	8	7	3	2	4-6	4-6	4000
	Croydon	1015.4	-6	S	3	bc	89	55	8	1	4	1	1	2-3	4000
	S. Farnborough	1016.4	-10	SSE	4	c	87	45	8	-	5	1	0	9	-
	Boscombe Down	1015.0	0	S	4	bc	83	55	7	-	-	8	0	4-6	-
	Thorney Island	1015.6	-2	SE	3	c	81	65	7	-	8	4	0	7-8	-
	Lympne	1017.1	-6	SE	2	bc	82	65	8	-	-	1	0	2-3	-
	Manston	1016.6	-6	SE	2	z₀	84	55	6	-	-	1	0	Tr	-
2	Shoeburyness	1016.6	-10	E'S	2	b	74	75	6	-	-	1	0	Tr	-
	Felixstowe	1017.2	-10	E	3	z₀	69	65	6	-	-	8	0	1	-
	Gorleston	1018.3	0	SE'E	1	bc	61	85	6	-	4	-	0	2-3	-
	Mildenhall	1015.5	-8	SSE	4	b	88	45	7	-	-	-	0	0	-
	Cranwell	1016.0	-12	S'E	5	bc	89	45	8	1	3	1	Tr	4-6	5000
3	Birmingham	1003.5	-6	SSE	4	bc	86	45	8	1	8	-	4-6	4-6	4000
	Upper Heyford	1014.5	-4	SSE	4	c	87	45	8	1	3	6	Tr	7-8	5000
4	Ross-on-Wye	1013.8	0	SSW	3	bc	79	75	6	1	4	3	Tr	4-6	4000
5	Hartland Point	1015.8	+6	W	3	c	58	85	8	5	6	-	4-6	7-8	2500
	Bristol	1014.9	+10	NNE	2	c	70	85	7	-	7	8	0	9	-
	Portland Bill	1014.9	-6	SE	2	c	61	92	7	5	7	-	7-8	10	2500
	Plymouth	1016.5	+4	NW	3 (2)	c	61	85	8	8	1	-	7-8	9+	5000
	The Lizard	1017.1	+12	S	4	c/pr	59	92	8	8	2	-	9	10	1500
	Scilly (St. Mary's)	1015.8	+2	SW	2	t	59	85	8	5	-	-	10	10	1500
	Guernsey														
6	Pembroke	1015.7	+2	SSW	2	dr₀	57	97	7	9	3	-	4-6	7-8	2500
7	Valley	1015.0	+4	SW	3	pr	59	75	8	5	-	-	10	10	2000
	Chester (Sealand)	1014.9	+2	NWW	3	z₀	63	85	6	5	-	-	7-8	9+	600
8	Manchester	1014.4	-2	W	3	z₀	75	65	6	-	3	-	0	4-6	-
10	Spurn Head	1016.0	-8	SE'E	4	b	62	92	6	-	4	1	Tr	1	7200
	Catterick	1013.3	-12	S	3	z₀	84	55	6	5	-	-	7-8	7-8	5500
	Tynemouth	1015.2	-4	SE	3	bc	62	85	6	8	3	-	4-6	4-6	2800
11	St. Abbs Head	1012.6	+6	SE	2	c	79	65	7	4	6	3	4-6	7-8	2500
	Leuchars	1013.0	-2	SSE	1	bc	72	75	6	2	8	2	Tr	4-6	3500
12	Renfrew (Abbots I.)	1013.8	+8	SW	3	bc	70	65	8	5	-	3	2-3	4-6	3500
	Eskdalemuir	1014.2	+6	SW	3	c	66	85	6	5	4	-	4-6	7-8	2500
	Point of Ayre	1015.4	+2	SSE	3	c	59	85	8	5	4	-	4-6	7-8	2000
13A	Tiree	1011.7	+4	SE	3	o	58	85	7	5	-	-	10	10	1800
13B	Stornoway	1012.9	+2	S	3	bc	60	85	7	-	6	9	0	4-6	-
15	Dalwhinnie	1013.0	0	S	4	bc	75	55	7	8	4	-	2-3	4-6	1500
	Aberdeen	1013.6	-2	S'E	3	b	66	65	6	-	-	3	0	1	-
	Wick	1011.9	-10	SE	2	bc	62	75	6	-	-	2	0	4-6	-
16	Sumburgh	1014.4	-6	E	3	z₀	56	85	7	2	-	-	7-8	7-8	2000
17	Blacksod Point	1011.3	+4	S	3	bc	63	75	8	2	5	-	2-3	4-6	1500
18	Malin Head	1011.3	+4	SSW	3	c	69	55	8	4	7	3	2-3	7-8	5700
	Aldergrove	1013.2	+2	S	2	c	66	65	8	7	3	-	4-6	9	2000
19	Birr Castle	1012.4	+2	S	1	c	68	65	8	8	-	-	9+	9+	2500
20	Valentia Obsy. †	1012.4	+2	S'W	5	bc	64	75	9	7	4	9	2-3	2-3	2500
	Roches Point	1014.2	+6	SSW	3	o	63	85	8	5	-	-	7-8	7-8	1500

OBSERVATIONS at 18h. G.M.T. 22nd June — 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. 22nd (37)	Weather 13h.–18h. 22nd (38)	Weather 18h. 22nd to 1h. 23rd (39)	Weather 1h.–7h. 23rd (40)
London (Kew)	1013.7	-10	SW	3	bc	83	55	8	-	-	1	0	2-3	-	0	*	bz₀bbc	bcby	bbc	bcebcpr₀
Croydon	1014.0	-8	S	2	bc	85	55	8	-	-	2	0	2-3	-	0	*	bybcy	bbybcy	bcbwm₀	
S. Farnborough	1013.7	-8	SSW	3	bc	83	55	8	-	-	1	0	2-3	-	0	*	bbcy	bccbcy	bcym₀	bcm₀id₀bc
Boscombe Down	1014.0	-10	SE	3	bc	79	65	7	5	3	8	1	4-6	5700	0	*	bcz₀	bcy	bccm₀	cm₀bc
Thorney Island	1014.1	-10	E'S	2	bc	79	75	7	-	4	1	0	2-3	-	0		bm₀bcc	cqbc	bcpr₀cm	cm₀c
Lympne	1016.0	-6	E	2	c	80	55	8	-	-	6	0	7-8	-	0	§	bz₀ybc	bcbbcy	bcybcz₀	
Manston	1015.6	-8	ESE	2	z₀	75	65	6	-	-	6	0	4-6	-	0	*	bz₀y	bz₀ybcz₀	bcz₀bm₀	bmbcm₀
Shoeburyness	1015.1	-14	E'S	3	bc	73	75	6	-	-	8	0	2-3	-	0		bz₀	bz₀	bz₀	bwcm₀ir₀
Felixstowe	1015.6	-10	E	3	z₀	68	75	6	-	-	6	0	2-3	-	0	2	cbz₀	bz₀	bcz₀bm₀	bm₀bcm₀
Gorleston	1017.0	-4	SSE	2	z₀	61	85	6	-	-	1	0	1	-	0	2	bcz₀z₀	bz₀	bz₀z	bczw
Mildenhall	1013.9	-6	SE	4	bc	82	45	7	-	4	1	0	2-3	-	0		bcby	bybcy	bcz₀bz	bcz₀cz₀bc
Cranwell	1014.0	-18	SSW	4	bc	86	55	7	3	-	3	1	2-3	4000	0	*	bbcy	bcyt.	bcycm₀tm	cpr₀bcm₀
Birmingham	1013.0	-6	SW	3	bc	80	65	8	1	9	-	1	4-6	4000	0	*	bbc	bcpr₀		bcc
Upper Heyford																*	bm₀bcbcy		bcybcm₀	bm₀be
Ross-on-Wye	1012.9	-8	WSW	3	bc	75	65	7	5	4	1	1	2-3	4000		*	bccp₀cbc	ccbc	bcc	bc
Hartland Point	1014.8	-12	WNW	3	pr	57	92	8	8	6	-	7-8	9+	1400	0	3	c	cpc	c	cid
Bristol	1014.4	-2	W	3	c	64	85	8	1	8	9	Tr	7-8	4000	0	*	bcm₀c	cbc	bcc	bc
Portland Bill	1014.9	+6	WNW	2	c	59	92	8	5	7	-	7-8	10	2500	1	2	c	c	bc	bcc
Plymouth	1015.9	-2	W	4	c	59	75	8	5	-	-	10	10	1800	1	3	cprom₀	cpr₀	cbbc	cbcm₀wc
The Lizard	1016.0	-6	WSW	3	c	59	92	8	8	2	-	7-8	9+	2500	1	3	ctlr prc	c	cbc	cFdc
Scilly (St. Mary's)	1015.4	0	SW	2	c	59	92	7	5	-	-	10	10	1500	0	2	c	cpc	cw	cid₀cb
Guernsey																				
Pembroke	1014.8	-6	S'W	3	c	56	92	7	8	6	-	4-6	7-8	2500	1	5	crorot	m₀c	bcc	md₀
Valley	1013.5	-10	SW'S	3	c	57	92	8	5	7	1	4-6	7-8	4000	1	2	cm₀pr₀	cPRH	mmcw	[illegible]
Chester (Sealand)	1013.8	-10	N'W	2	c	63	85	7	5	-	-	4-6	9	1000	0	*	offcm₀	cbvm₀v	ccm₀	mbd₀mc
Manchester	1013.8	+2	W'N	1	z₀	69	85	6	3	7	-	4-6	9	3000	0	*	cbcz₀	bcz₀fircm₀	cm₀pr₀l	cm₀mdd
Spurn Head	1014.0	-14	SE	4	z₀	60	85	6	3	5	-	4-6	4-6	4000	0	3	bcbz₀	bbcz₀	bczbm	cz
Catterick	1013.4	+16	WSW	2	tlr₀	76	75	6	9	7	-	9+	10	3000	4		bz₀bcz₀y	tlhtlr₀	tlr₀fcml	cmlpr₀sbc
Tynemouth	1014.5	+4	E	3	TLR	64	55	6	8	-	-	9+	9+	1600	1	2	bc	bcc PTL	cptlbc	bcc
St. Abbs Head	1012.4	+4	SE	2	t	74	75	8	4	7	3	4-6	9	2000	0	2	bc	ctw	tlrc	tlrc
Leuchars	1012.0	-6	SE	1	z₀	69	75	6	5	6	-	4-6	7-8	3500	1	*	bm₀cbcz₀	bczcz₀	tlr₀cm₀	
Renfrew (Abbots I.)	1013.1	+2	WSW	2	c	67	65	8	5	7	9	7-8	7-8	3000	0	*	cm₀bc	bcbc	cbc	cprtlr₀
Eskdalemuir	1013.2	+2	SW'S	3	c	69	75	6	8	7	-	7-8	9	2500	0	*	bccbc	bcc		
Point of Ayre	1013.5	-16	E'N	1	c	58	92	8	5	7	-	2-3	10	3000	0	1	cbcz₀	bcc	bbcctlw	c
Tiree	1011.2	-2	S	2	c	62	85	8	5	3	-	4-6	7-8	2800	0	3	co	cbcc	c	cbcco
Stornoway	1013.0	0	SSW	4	c	61	85	6	5	6	8	2-3	7-8	3000	0	3	c	c	cfs	cfsbcfcm
Dalwhinnie	1012.0	0	SW	3	bc	75	45	8	-	4	5	0	2-3	-	0		cbcy	bcy		
Aberdeen	1012.4	-4	S'E	3	bc	64	75	6	-	8	-	0	2-3	-	0	2	bcbz₀	bbcz₀		ctlRr
Wick	1011.4	+2	WNW	1	b	70	75	7	-	-	1	0	Tr	-	0	*	bc	b	pr	tlr
Sumburgh	1012.8	-10	SE	3	z₀	56	85	6	-	-	-	0	0	-	*		c	b	c	pr
Blacksod Point	1010.0	-10	S'W	4	c	61	65	8	-	5	-	0	7-8	-	0	3	bc	bcc	ir₀c	bq
Malin Head	1011.4	-2	N	1	c	60	75	8	8	9	4	2-3	7-8	4000	0	0	cyc	c	c	c
Aldergrove	1012.0	-6	SSE	2	c	65	75	8	5	7	-	Tr	10	3000	0	*	cm₀c	cbcc	cbccbc	
Birr Castle	1011.5	-6	S	2	c	68	65	8	5	-	5	4-6	9	2500	0		c	c	cbc	circ
Valentia Obsy. †	1011.2	-10	SSE	5	id₀	60	85	7	5	7	-	4-6	10	2500	0	3	cbc	bccid₀	crrirbc	bcwbbcc
Roches Point	1013.0	-10	SSW	3	bc	62	85	8	5	3	5	2-3	4-6	2500	0	4	bcc	cbc	ddir	bcb

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

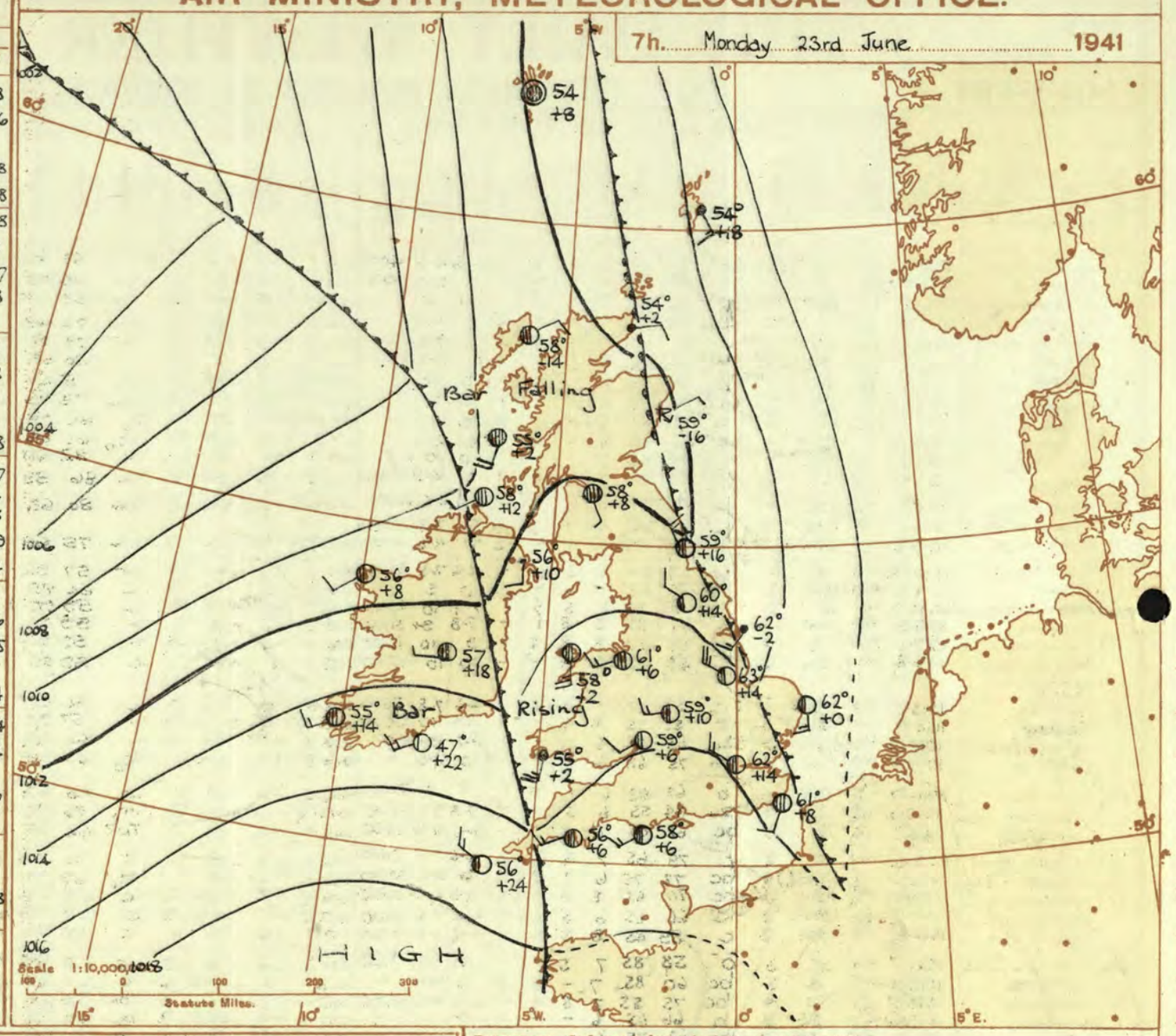
AVIATION WEATHER CODE

	18h. G.M.T. 22nd June			18h. G.M.T.			01h. G.M.T. 23rd June			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 00	00690	16311	00	05590	18301	53	01663	18103	52	62564	00018
115 54	02844	08225	54	02744	20326	52	81744	20287	52	05634	12286
203 55	05834	16114	5-	05837	20207	5-	05736	12226			
206 13	01764	08115	14	01861	24213	58	02754	00027	5-	61648	20168
210 86	05763	14413	03	01790	00004	53	00664	00064	52	93654	07198
220 52	03745	17328							52	02855	16328
230 53	02755	22325	40	01854	00014	43	05744	00085	52	02845	00018
245 00	05690	08214	07	05690	08318	54	05563	24195	9-	95557	08197
260 23	01763	18315	80	01864	18315	5-	05657	22117	5-	25868	20288
277											
279 8-	02757	21487	82	02764	20126				82	02846	17328
285									5-	03638	26428
288 29	01763	13317	87	81654	02298	53	45362	20143	8-	05668	25288
273											
301 58	02763	28345	51	02763	30228	5-	05658	28128	5-	22748	25268
321 78	01763	13414	87	05764	26415	07	05690	14115	5-	05647	28227
299 57	05653	14414	50	05651	14440	5-	05654	10414	57	05554	16314
292 56	02764	13426	97	97745	20428	30	07652	00092	5-	05658	22388
310									--	46105	24343
316 13	05663	15414	46	01761	16313	07	05590	00014	5-	05544	20384
333 51	22847	16268	57	02864	16285	5-	05657	17327	51	02965	16327
334									--	02745	24316
340			58	17674	30326	5-	05548	26228	8-	02965	22325
136 00	05690	13401	00	05690	12302	04	05690	12413			
336									13	01763	20314
350 13	02761	14425	01	01790	16413	03	05690	14213	58	01744	20324
368									84	01853	20114
379 03	01790	15514	03	01790	17415	03	05690	16314			
390 10	00761	14301	00	01790	14313	03	08490	00001	5-	05647	24427
382 03	02890	14425	00	01890	14414	5-	02656	24216			
438											
430 08	01790	12313	00	01790	12213	5-	05578	22316			
409 37	28744	23228	5-	02848	21288	54	00753	18283	52	54627	14358

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 23rd June 1941



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 23rd June, 1941.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light or moderate W. or S.W. wind. Fair with considerable bright periods. Much cooler than of late.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England	Light or moderate Southwesterly wind. Cloudy with slight local rain at first. Bright periods later. Average temperature.
9 N. Midlands ... 10 N.E. England	As 1 – 3.
11 S.E. Scotland	Light variable to southerly wind. Rather widespread thundery rain at first. Fair later. Average temperature.
12 S.W. Scotland & Isle of Man.	Light or moderate S.W. wind. Cloudy with slight local rain. Average temperature.
13 A. W. Scotld. B.N.W. Scotland.	
14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	As 11.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland	As 4 – 8.
20 S. W. Ireland	Light or moderate S.W. wind. Fair. Average temperature.

GENERAL INFERENCE.

A shallow depression over eastern Scotland is moving Northwards. Considerable thundery rain will occur in the vicinity of this shallow depression. Elsewhere pressure is rising generally and weather will be fair, apart from some slight local rain in the west. Temperatures will be about normal.

FURTHER OUTLOOK.

Fair in the south and east. Rain spreading from the Atlantic to northwestern districts.

Warm front
Cold front
Occlusion

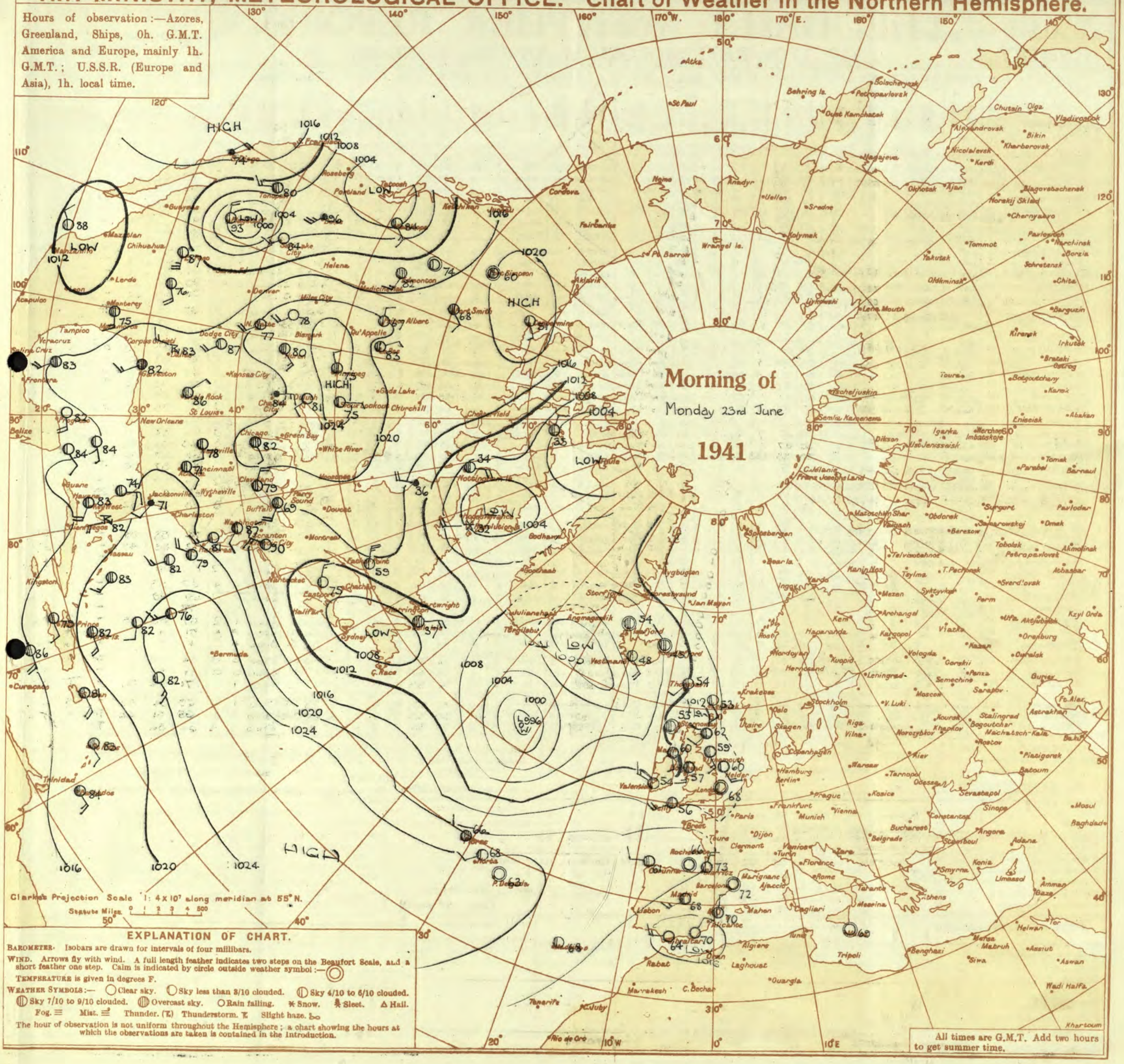
Forecasts issued at 10.30h. G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266.Wa.6178.D.6034.Gp.842.9300.5/41

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 two hours to get summer time.

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 23rd June 1941

No. 29.068

OBSERVATIONS at 1 hr. G.M.T. 23rd June

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	1014.1	-2	-	0	≡	68	85	6	-	-	2	0	4-6	-
	S. Farnborough	226	1014.8	+4	WSW	1	≡	64	85	6	-	3	1	0	4-6	-
	Boscombe Down	417	1015.4	0	W'N	3	≡	60	85	6	5	-	-	10	10	600
	Thorney Island	10	1015.6	+4	W'S	2	≡/pr	61	85	6	5	-	-	9+	9+	800
	Lympne ...	346	1015.4	-4	-	0	≡	67	85	5	-	-	-	0	0	-
	Manston ...	154	1014.5	+4	SE	2	≡	67	85	5	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1015.0	-2	ESE	1	≡	64	85	5	-	-	-	0	0	-
	Gorleston ...	5	1016.5	-4	SSE	2	b	60	85	6	-	-	-	0	0	-
	Mildenhall ...	19	1014.0	-6	SE'E	2	≡	64	75	6	-	4	1	0	1	-
	Cranwell ...	240	1015.0	-4	S'E	3	m	67	85	4	5	3	-	2-3	9+	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1014.3	+6	SW	3	c	64	85	7	5	3	-	4-6	7-8	3500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1015.3	0	WSW	3	c	56	97	7	5	4	-	4-6	9+	1500
	Bristol ...	209	1015.7	+2	W	3	c	58	85	8	5	-	-	10	10	2500
	Portland Bill ...	32	1015.6	+2	W	4	c	54	92	7	5	-	-	10	10	2500
	Plymouth ..	82	1017.2	+6	W	2	c	57	92	7	5	-	-	9+	9+	2000
	The Lizard ...	240	1016.8	+6	SW'W	4	bc	55	97	7	8	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1015.9	+2	SW	4	c	56	97	7	5	-	-	9+	9+	1500
	Guernsey ...	175														
6	Pembroke ...	142	1015.0	-4	SW'S	4	c	56	97	7	8	-	-	9+	9+	2500
7	Holyhead ...	26	1013.9	-4	SSW	4	≡	56	97	5	5	-	-	10	10	3000
	Chester (Sealand)	16	1013.9	+2	NNW	1	≡	59	85	6	5	2	-	9+	9+	1400
8	Manchester ...	70	1013.7	+6	NW	3	f	60	85	6	8	3	-	7-8	10	3500
10	Spurn Head ...	29	1013.9	-4	SE'S	3	b	60	85	6	-	3	-	0	1	-
	Catterick ...	175	1012.8	-10	-	0	f	63	97	4	8	3	-	4-6	4-6	2500
	Tynemouth ...	108	1014.4	-16	SE	4	≡	59	92	6	2	-	-	4-6	4-6	1500
11	St. Abbs Head	280	1012.4	-10	S	3	c/r	65	85	7	5	4	-	4-6	7-8	1500
	Leuchars ...	36	1012.1	-12	-	0	≡	62	85	6	5	-	-	7-8	7-8	2500
12	Renfrew (Abbots I.)	19	1013.8	+6	-	0	bc	54	92	8	5	4	-	4-6	4-6	2500
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1013.7	+2	SE	2	ck	54	97	7	9	-	-	9+	9+	2000
13A	Tiree	22	1010.8	-2	SE	3	c	56	92	7	5	-	-	9	9	1800
13B	Stornoway ...	80	1013.2	+2	-	0	fg	58	97	5	5	3	-	4-6	7-8	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	85	1012.7	0	NW	2	≡	57	97	5	5	7	-	4-6	10	2500
16	Lerwick ...	158	1012.6	-8	SE	2	bc	53	92	6	-	3	5	0	4-6	-
17	Blacksod Point	18	1010.3	+2	S	2	c/r	58	92	7	5	-	-	10	10	1500
18	Malin Head ...	84	1011.0	-2	S	1	c	60	85	7	4	7	-	4-6	7-8	4000
	Aldergrove ...	268	1012.1	-2	SE'E	1	bc	56	92	7	5	7	-	4-6	4-6	3500
19	Birr Castle ...	173	1011.7	-6	S	3	bc	56	85	8	5	-	-	4-6	4-6	2500
20	Valentia Obsy.	30	1012.7	+12	WSW	3	bc	54	85	7	8	-	1	4-6	4-6	2500
	Roches Point	22	1012.0	-6	SW	4	ir	57	97	7	6	2	-	7-8	9+	800

OBSERVATIONS at 7 hr. G.M.T. 23rd June

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)	1016.6	+16	W	3	pr	63	75	7	5	4	2	4-6	7-8	1500	0	*
	Croydon ...	1016.0	+14	WNW	3	c	62	85	7	6	3	-	7-8	9+	1000	0	*
	S. Farnborough	1016.0	+14	W'N	3	c	60	85	8	8	8	1	2-3	7-8	3000	0	*
	Boscombe Down	1017.4	+12	W	3	bc	60	75	7	1	4	5	Tr	2-3	2000	0	*
	Thorney Island	1016.5	+8	W'N	3	c	62	75	7	7	3	1	4-6	7-8	4000	0	§
	Lympne ...	1016.6	+8	SSW	2	c	61	85	7	2	8	1	1	7-8	2800	0	§
	Manston ...	1015.8	+14	SSW	3	≡	70	85	6	-	8	-	0	4-6	-	0	*
2	Shoeburyness ...	1015.8	+12	WSW	3	ir	66	85	6	5	4	-	7-8	9+	2500	0	*
	Felixstowe ...	1015.1	+6	W'S	2	≡	71	85	6	-	3	-	0	7-8	-	0	1
	Gorleston ...	1014.8	0	S	2	≡	62	85	5	1	-	-	2-3	2-3	4000	0	3
	Mildenhall ...	1014.9	+14	W'S	4	bc	67	85	7	5	3	-	4-6	4-6	3000	0	*
	Cranwell ...	1015.3	+14	WNW	5	≡	63	85	6	8	3	-	4-6	4-6	2500	0	*
3	Birmingham ...	1018.9	+10	W'S	4	c	59	75	8	5	-	2	4-6	7-8	2500	0	*
	Upper Heyford	1016.0	+14	W'S	3	bc	60	75	8	1	-	8	2-3	4-6	1000	0	*
4	Ross-on-Wye	1016.0	+6	WSW	2	bc	59	75	8	5	-	2	1	4-6	2500	0	*
5	Hartland Point	1015.4	+4	SW	4	id	57	85	7	5	2	-	4-6	9	1700	0	3
	Bristol ...	1017.0	+8	W'S	3	c	61	75	8	7	-	4	Tr	7-8	2000	0	*
	Portland Bill ...	1016.9	+6	WSW	3	c	56	85	8	2	-	1	4-6	7-8	2500	1	3
	Plymouth ..	1017.9	+6	SW	3	≡	58	92	6	5	7	-	7-8	10	400	0	3
	The Lizard ...	1017.5	+10	W	4	c/d	55	97	8	5	4	-	7-8	9+	1500	1	3
	Scilly (St. Mary's)	1017.1	+24	WNW	3	bc	56	97	8	8	4	-	2-3	2-3	1800	1	3
	Guernsey ...																
6	Pembroke ...	1015.1	+2	SW	5	dd	59	97	4	5	-	-	10	10	800	1	3
7	Holyhead ...	1013.6	+2	S	5	c	58	92	8	5	-	-	9	9	2500	0	3
	Chester (Sealand)	1014.5	+6	WSW	3	c	61	75	8	5	7	2	7-8	9+	2000	0	*
8	Manchester ...	1014.7	+14	SW'W	2	id	57	97	6	5	-	-	10	10	1500	1	*
10	Spurn Head ...	1012.8	-2	SSW	3	ir	62	85	6	3	7	-	4-6	7-8	4000	0	2
	Catterick ...	1013.3	+14	WNW	2	≡	60	75	6	5	-	-	4-6	4-6	2000	1	*
	Tynemouth ...	1012.5	+16	NW	3		59	92	6	2	-	-	7-8	7-8	2800	1	3
11	St. Abbs Head	1011.6	-6	SE	4	ir	59	85	7	5	2	-	4-6	9	2000		*
	Leuchars ...	1011.1	-14	SE	3	c/ir	61	97	6	5	-	-	10	10	800	1	*
12	Renfrew (Abbots I.)	1012.1	+8	SSE	1	≡	58	85	6	5	-	-	10	10	4000	1	*
	Eskdalemuir ...																
	Point of Ayre...	1013.0	+4	SW'S	2	c	58	85	8	5	7	-	4-6	9+	2000	0	2
13A	Tiree	1009.4	+2	SW	4	c	55	92	7	9	-	-	10	10	1800	0	4
13B	Stornoway ...	1011.4	-14	ENE	2	≡	58	97	6	5	6	-	2-3	7-8	2000	1	2
15	Dalwhinnie ...																*
	Aberdeen ...	1011.0	-16	NE'E	1	f/r	59	97	5	5	-	-	9+	9+	2000	1	2
	Wick ...	1012.0	+2	E	2	r/fr	54	92	6	-	2	-	10	10	2000	*	*
16	Lerwick ...	1016.8	+18	SSE	3	pr	54	85	5	8	3	-	7-8	9+	3100	*	*
17	Blacksod Point	1010.8	+8	SW	2	bc	56	85	8	3	6	-	2-3	4-6	2500	0	3
18	Malin Head ...	1010.3	+12	SW	1	c	58	85	8	9	-	-	9	9	4000	0	0
	Aldergrove ...	1012.0	+10	S	2	id	56	85	6	5	-	-	10	10	1100	1	*
19	Birr Castle ...	1013.2	+18	W	1	c	57	85	8	4	-	-	7-8	7-8	1500	1	*
20	Valentia Obsy.	1014.5	+14	SW'W	3	c	55	85	8	8	-	4	4-6	7-8	2500	1	3
	Roches Point	1015.0	+22	W'S	3	b	57	85	8	2	-	-	1	1	2500	1	4

PAST 24 HOURS.

District	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 22nd Hrs. (36)
1	London (Kew)	88	62	61	-	Tr	13.8
	Croydon ...	89	60	61	-	-	14.0
	S. Farnborough	89	59	57	-	Tr	13.7
	Boscombe Down	84	55	52	-	-	10.3
	Thorney Island	82	58		-	-	
	Lympne ...	83	60	58	-	-	13.6
	Manston ...	84	63	60	-	-	14.0
2	Shoeburyness ...	78	63	56	-	Tr	13.4
	Felixstowe ...	72	61	58	-	-	13.7
	Gorleston ...	64	59	51	-	-	*
	Mildenhall ...	89	64	59	-	-	12.9
	Cranwell ...	90	63	62	-	Tr	12.5
3	Birmingham ...	87	59	59	Tr	-	10.7
	Upper Heyford		59	56		Tr	*
4	Ross-on-Wye		56	53		-	7.8
5	Hartland Point	60	55	53	0.2	Tr	2.1
	Bristol ...	81	53	49	-	-	7.7
	Portland Bill ...	62	53	*	-	-	*
	Plymouth ..	65	56	56	Tr	-	0.5
	The Lizard ...	60	54	*	1	0.5	2.9
	Scilly (St. Mary's)	61	55	*	0.6	0.1	0.0
6	Pembroke ...	60	54	*	2	0.1	0.6
7	Holyhead ...	63	54	50	1	Tr	1.7
	Chester (Sealand)	66	57	56	-	0.4	2.7
8	Manchester ...	81	57	56	Tr	Tr	8.9
10	Spurn Head ...	67	57	*	-	-	11.3
	Catterick ...	85	60	56	29	1	7.3
	Tynemouth ...	78	54	52	9	1	*
11	St. Abbs Head			*	-		*
	Leuchars ...	74	58	58	-	0.5	9.8
12	Renfrew (Abbots I.)	72	53	47	-	0.4	3.9
	Eskdalemuir ...	71			-		
	Point of Ayre...	67	51	*	-	0.3	5.5
13A	Tiree	62	53	*	-	-	9.8
13B	Stornoway ...	69	49	*	-	-	7.0
15	Dalwhinnie ...	78			-		
	Aberdeen ...	67	56	55	-	8	9.6
	Wick ...	71	*	*	*	*	*
16	Lerwick ...	*	*	*	*	*	*
17	Blacksod Point	64	53	*	Tr	3	*
18	Malin Head ...	71	52	*	-	-	4.8
	Aldergrove ...	71	54	51	-	Tr	3.4
19	Birr Castle ...	69	54	52	-	3	2.5
20	Valentia Obsy.	65	51	46	Tr	4	7.0
	Roches Point	64	56	*	Tr	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 (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	b-bbc	baby	bbc	88	62	61	-	Tr	13.8	*	*	8
Croydon	217	bybcy	bcy	bcbwm	89	60	61	-	-	14.0	*	*	7
Greenwich (Royal Observatory)...	149	by	by	bybcbc	90	62	59	-	-	13.8	47	64	7
City (Bunhill Row)	—				*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	89	62	61		-		49	66	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	91	62	62	-	-		45	67	*
Camden Square	110			*	94	63	63	-	-	*	*	59	*
Kensington	80	b	b	*	92	62	61	-	-		53	65	*
Hampstead Observatory	450	bbc	bc	bc	89	58	55	-	-		*	67	*
		b	b										

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	8h. 22nd	0.01	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.	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—glassy.	5 Rough.
1 Calm—rippled.	6 Very rough.
2 Smooth.	7 High.
3 Slight.	8 Very high.
4 Moderate.	9 Phenomenal.

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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 24th June, 1941

No. 29,069.

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

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)...	1018·3	+4	WSW	3	bc	71	55	8	7	–	4	1	4-6	2500
	Croydon	1017·7	–2	W'N	2	bc	74	75	8	–	4	5	0	4-6	—
	S. Farnborough	1018·5	+2	W'S	3	bc	73	55	8	1	–	2	4-6	4-6	4000
	Boscombe Down	1018·8	+4	SW	3	c	68	65	8	5	–	–	9	9	3000
	Thorney Island	1019·1	+10	WSW	3	bc	69	65	8	7	–	4	2-3	4-6	4000
	Lympne ...	1018·9	+10	WNW	3	c	73	55	8	–	8	6	0	7-8	—
	Manston ...	1017·4	+6	NW'W	3	bc	75	65	7	–	5	1	0	2-3	—
2	Shoeburyness ...	1017·7	–4	WSW	3	bc	75	55	6	–	–	2	0	4-6	—
	Felixstowe ...	1016·9	+6	W'N	4	bc	75	55	7	5	8	6	1	2-3	7200
	Gorleston ...	1016·2	+16	E	2	z_0	80	55	6	–	3	–	0	4-6	—
	Mildenhall ...	1017·0	+6	WSW	3	bc	75	75	8	–	–	4	0	4-6	—
	Cranwell ...	1018·0	+12	W	5	bc	72	55	7	4	–	2	4-6	4-6	4000
3	Birmingham	1017·1	+4	WSW	3	bc	69	55	8	7	–	–	4-6	4-6	2500
	Upper Heyford	1017·9	+10	WSW	4	c	69	65	8	7	–	–	9+	9+	2500
4	Ross-on-Wye ...	1017·4	+4	SW	4	bc	69	65	8	1	–	1	4-6	4-6	4000
5	Hartland Point	1019·2	+12	WSW	4	bc	60	85	8	2	4	5	4-6	4-6	1500
	Bristol	1018·8	+6	W	4	c	66	75	9	7	–	5	7-8	9	2500
	Portland Bill ...	1019·9	+12	S	3	c	58	92	8	5	–	–	10	10	2500
	Plymouth ...	1019·8	+6	WSW	4	c	62	85	8	2	–	8	2-3	9	3000
	The Lizard ...	1020·2	+10	W	3	bc	62	85	8	2	3	–	4-6	4-6	2500
	Scilly (St. Mary's)	1020·2	+12	WSW	3	bc	62	75	8	8	4	2	2-3	4-6	1800
	Guernsey ...														
6	Pembroke ...	1019·0	+10	WSW	3	bc	59	85	7	2	4	6	2-3	4-6	2500
7	~~Holyhead~~ Valley ...	1016·6	+22	SW	5	bc	60	75	8	2	3	5	1	2-3	2200
	Chester (Sealand)	1015·7	+6	SW'S	3	c	73	55	9	2	–	1	7-8	7-8	3500
8	Manchester ...	1016·2	+6	SSW	3	c	71	55	8	7	–	–	7-8	7-8	3500
10	Spurn Head ...	1015·2	+2	W'S	3	bc/pr	72	65	6	7	6	1	2-3	4-6	4000
	Catterick ...	1015·3	+14	W'S	4	c	68	55	8	8	6	6	7-8	7-8	2200
	Tynemouth ...	1015·1	+12	SW	3	c	68	85	7	2	3	–	4-6	7-8	2800
11	St. Abbs Head	1012·9	+10	WNW	3	c	65	25	9	4	4	–	4-6	9	2000
	Leuchars ...	1011·2	+10	SW	4	c	67	75	7	8	6	1	4-6	7-8	2500
12	Renfrew (Abbots L.)	1013·3	+14	SSW	3	id_0	61	75	7	8	7	–	7-8	10	2000
	Eskdalemuir ...	1013·8	+16	ESE	4	c	61	85	7	8	–	–	9	9	1500
	Point of Ayre ...	1014·9	+4	W	5	b	68	75	8	1	4	5	Tr	1	4000
13A	Tiree	1011·1	+12	WSW	3	c	58	85	7	5	3	–	4-6	7-8	1500
13B	Stornoway ...	1011·0	+10	SW	5	c	58	85	7	5	7	–	4-6	7-8	2000
15	Dalwhinnie ...	*	+6	SW	4	c	58	75	7	5	–	–	9+	9+	1500
	Aberdeen ...	1011·3	–10	SSE	2	z_0	59	85	6	9	–	–	9+	9+	1100
	Wick	1011·0	+2	SSE	3	c	56	92	6	5	2	–	2-3	10	2500
16	~~Lerwick~~ Sumburgh ...	1013·5	+10	SE	5	TLR	56	92	6	8	–	–	10	10	1500
17	Blacksod Point..	1013·3	+8	S	4	c	61	75	8	3	–	4	4-6	7-8	2500
18	Malin Head ...	1012·5	+12	W	3	c	60	75	8	7	9	–	4-6	7-8	5700
	Aldergrove ...	1014·0	+14	SW'W	3	bc	64	65	8	8	–	–	4-6	4-6	3000
19	Birr Castle ...	1015·3	+10	WSW	3	c	65	65	8	4	8	–	4-6	7-8	1500
20	Valentia Obsy. †	1016·8	+10	SW	5	c	59	65	8	5	–	–	9+	9+	4000
	Roches Point ...	1017·6	+14	SW'W	3	bc	62	75	9	3	–	5	2-3	4-6	1500

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

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)...	1018·5	+2	NW	2	bc	75	45	8	7	–	1	4-6	4-6	2500	0	*
	Croydon	1018·2	+4	NW	2	c	74	55	8	1	–	5	4-6	7-8	5000	0	*
	S. Farnborough	1018·6	0	W'N	2	bc	73	55	8	1	–	1	4-6	4-6	4500	0	*
	Boscombe Down	1019·4	+6	W'S	3	bc	68	75	8	1	–	–	4-6	4-6	2500	0	*
	Thorney Island	1019·2	+2	SW	3	bc	66	75	8	1	4	1	1	2-3	4000	1	
	Lympne ...	1018·5	–4	WSW	2	bc	73	65	8	–	8	1	0	2-3	-	0	§
	Manston ...	1018·6	+8	NW'N	1	b	74	65	7	–	–	1	0	1	-	0	*
2	Shoeburyness ...	1017·9	+4	NNW	2	bc	75	55	7	–	–	6	0	2-3	-	0	*
	Felixstowe ...	1017·9	+6	NW'W	2	b	77	55	8	–	–	1	0	Tr	-	0	1
	Gorleston ...	1018·2	+6	–	0	b	64	85	6	–	–	1	0	1	-	0	1
	Mildenhall ...	1018·0	+6	W	3	bc	74	55	8	1	–	2	2-3	2-3	4000	0	*
	Cranwell ...	1018·6	+2	W	4	bc	74	55	8	1	–	5	1	2-3	3500	0	*
3	Birmingham	1018·2	+4	WSW	2	bc	70	45	8	7	–	1	2-3	4-6	4000	0	*
	Upper Heyford	1018·2	+2	WSW	3	bc	71	55	8	8	–	1	4-6	4-6	3000	0	*
4	Ross-on-Wye ...	1018·5	+4	W'S	3	b	68	55	8	1	–	1	Tr	1	4000	0	*
5	Hartland Point	1020·0	+2	W	3	bc	62	75	8	2	–	5	2-3	4-6	2000	0	3
	Bristol	1019·5	+2	W	3	bc	67	55	9	5	7	1	2-3	4-6	3000	0	*
	Portland Bill ...	1020·3	+6	SW	3	c	56	92	7	5	–	–	7-8	7-8	2500	1	3
	Plymouth ...	1020·3	0	SW'W	4	bc	63	75	8	4	–	1	1	2-3	3000	0	3
	The Lizard ...	1020·5	–2	WNW	2	bc	61	85	8	2	4	–	2-3	2-3	2500	0	2
	Scilly (St. Mary's)	1020·1	–4	W	2	bc	61	75	8	8	4	4	2-3	4-6	2200		
	Guernsey ...																
6	Pembroke ...	1019·7	+4	WSW	3	bc	55	85	8	4	6	–	2-3	4-6	3500	0	3
7	~~Holyhead~~ Valley ...	1017·5	+4	SSW	5	bc	58	75	8	2	–	2	Tr	2-3	3000	1	3
	Chester (Sealand)	*	+10	SW'S	3	bc	66	45	9	1	–	2	1	4-6	3500	0	*
8	Manchester ...	1018·4	+14	W'N	3	c	65	55	8	1	–	2	2-3	7-8	3500	0	*
10	Spurn Head ...	1016·7	0	SE	3	z_0	61	85	6	7	4	1	2-3	4-6	4000	0	2
	Catterick ...	1017·0	+10	WSW	3	bc	66	55	9	2	–	6	2-3	4-6	3500	1	
	Tynemouth ...	1016·1	+8	SW	3	bc	70	85	8	2	3	1	2-3	4-6	3100	1	3
11	St. Abbs Head	1014·3	+12	W	4	bc	66	65	9	4	4	–	2-3	4-6	2500	1	2
	Leuchars ...	1013·8	+14	WSW	4	b	65	65	9	2	6	–	1	1	3200	1	*
12	Renfrew (Abbots L.)	1015·2	+10	WSW	2	bc	64	55	8	8	3	1	2-3	4-6	3200	0	*
	Eskdalemuir ...	1015·5	+10	SW	5	c	61	65	8	8	–	1	4-6	4-6	1500	1	*
	Point of Ayre ...	1016·5	+4	SW	4	bc	57	55	8	1	–	2	Tr	4-6	5000	0	3
13A	Tiree	1013·5	+2	SW'S	4	bc	58	85	8	1	3	5	2-3	2-3	2800	0	4
13B	Stornoway ...	1011·7	+6	SSW	5	c	57	85	8	5	7	5	2-3	7-8	2500	1	3
15	Dalwhinnie ...	1014·8	+12	WSW	3	bc	56	75	8	8	6	–	2-3	4-6	2500	1	*
	Aberdeen ...	1012·7	+22	SW	3	b	68	55	8	1	3	–	Tr	Tr	3200	0	2
	Wick	1011·6	+20	W	1	c	61	85	9	5	–	–	9+	9+	4000	0	*
16	~~Lerwick~~ Sumburgh ...	1011·9	+22	S'W	4	z_0	55	92	5	5	–	–	10	10	300	*	*
17	Blacksod Point..	1013·5	0	S	5	c	59	75	8	3	6	–	4-6	9	2500	0	4
18	Malin Head ...	1014·6	+14	W	4	c	59	75	8	4	–	4	4-6	7-8	5700	0	2
	Aldergrove ...	1015·7	+14	WSW	3	c	65	45	8	7	–	6	2-3	9	3000	0	*
19	Birr Castle ...	1016·0	+2	S	2	c	65	65	8	5	–	5	7-8	9	2500	0	*
20	Valentia Obsy. †	1016·1	–6	S'W	5	c	59	75	8	2	4	5	4-6	7-8	2500	0	4
	Roches Point ...	1017·9	–4	WSW	3	bc	62	75	9	2	–	5	2-3	4-6	2500	1	4

PAST 24 HOURS.

Stations.	Weather. 7h.—13h. 23rd. (37)	13h.—18h. 23rd. (38)	18h. 23rd—1h. 24th. (39)	1h.—7h. 24th. (40)
London (Kew)...	bccbcy	bcy	bcyb	bbcz
Croydon	bc	bccy	bbc	bccbcb
S. Farnborough	bcycbc	bcy	bcyb	bbc
Boscombe Down	bcc	cbc	b	b
Thorney Island	cbc	bc	bcbw	bwfgbcw
Lympne ...	bcc	byb	bbcgw	bcm
Manston ...	bcz bc	bcbm yb	bbm	bbcsm
Shoeburyness ...	ir bcz	bczb	bcb	bwbcz
Felixstowe ...	bc	bcyby	bcbz	bcm bm
Gorleston ...	bcz y	bcz	bcbz	bcz
Mildenhall ...	bc	bcy		bbcm wbm
Cranwell ...	bcy	bcy	bmc	cmcbcb
Birmingham	cbc	bc	bcb	bbcz
Upper Heyford	c	bcy	bccbcb	bbcb
Ross-on-Wye ...	bccbc	bccbcb	b	bwbc
Hartland Point	ccidcbc	bc	bcb	bbc
Bristol	c	cbcyv	bcywbcw	cbcw
Portland Bill ...	c	c	bcbc	bcbc
Plymouth ...	cm dd c	cb	bbcb w	bwbcwc
The Lizard ...	bc	bc	bcbw	bcc
Scilly (St. Mary's)	bc	bc	bcw	bcw
Guernsey ...				
Pembroke ...	cbcz	bc	bc	bc
~~Holyhead~~ Valley ...	cmDDb	bc	bbcw	bcw
Chester (Sealand)	bcy	cbcy	bcybm	bbcmw
Manchester ...	cm dc	cbccb	cbcgw	bcmz
Spurn Head ...	bcz	bcz	bc	cbcz
Catterick ...	bccy	cybcy	ybcbw	bbcwb
Tynemouth ...	c	cbc	bc	bcm
St. Abbs Head	c	bc	bc	cbc
Leuchars ...	c	bcprcbv	bbcv	bccw
Renfrew (Abbots L.)	id	cidcbc	bcycbc	bccbcm
Eskdalemuir ...	c	cprbc	bcvb	bbcw
Point of Ayre ...	cbcb	b	bcb	cbcb
Tiree	oc	cbc	cbcc	cbc
Stornoway ...	c	c	bc	
Dalwhinnie ...	c	cprbc	*	bcc
Aberdeen ...	ct	cgbcby	b	byb
Wick	thr	f		
~~Lerwick~~ Sumburgh ...	thr	tlr		
Blacksod Point..	c	bcc	cq	cq
Malin Head ...	c	c	c	c
Aldergrove ...	id rrm bc	bcc y	cbc	
Birr Castle ...	c	c	bcb	c
Valentia Obsy. †	c	cbc	cbcc	cprc
Roches Point ...	bc	bc	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_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.*

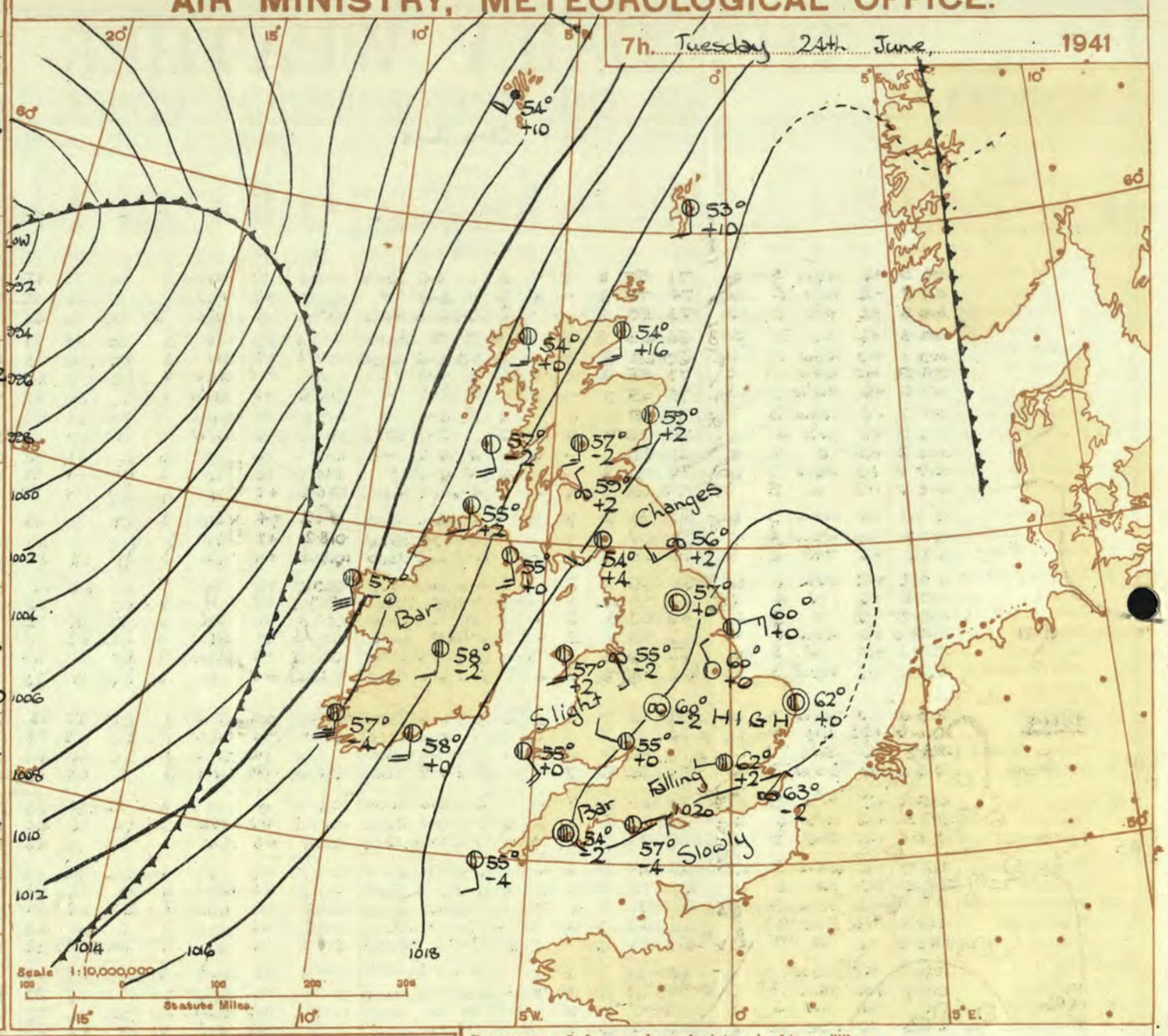
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 24th June, 1941

Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 23rd June				18h. G.M.T.			01h. G.M.T. 24th June			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	03765	14428	5-	02867	24428	00	00890	20202	50	01874	17304
115	5-	64638	20498	84	81844	20585	54	01844	20485	52	81644	16386
203	5-	02848	06428	54	01943	16524	5-	01943	16413	54	01944	*
206	83	02654	22185	83	01854	24384	50	02861	24127	59	02562	16125
210	8-	02655	13325	86	01963	20413	53	01961	14314	53	02561	12325
220	52	25845	23387	23	01853	18404				23	01941	18303
230	62	66543	19268	13	01951	20464	53	02863	00015	54	01953	16314
245	93	05644	20197	28	01753	20414	54	01861	00014	00	05690	14116
260	8-	02857	20317	24	00852	22383	50	00862	22113	50	01871	32214
277												
279	87	51736	19527	22	01862	20514				10	01861	17313
285	23	01854	24615							13	00741	28302
288	70	02855	21325	8-	02855	23326	00	00790	00000	03	00890	22101
273												
301	70	01863	24314	10	01962	23453	00	00890	22302	00	05590	12211
321	10	01763	23313	43	01763	22314	05	05690	00003	50	05564	27114
299	57	05643	23383	50	05652	00002	5-	01744	26214	57	01752	32114
292	14	01853	23313	54	02864	24415	04	00990	00001	50	01874	23114
310	--	01644	24314							--	01654	01204
316	10	01755	24315	10	01852	22314	00	05690	00010	50	08461	22121
333	2-	01942	20453	10	01852	20413	00	00790	00001	2-	01833	16313
334										--	01590	12201
340	26	01964	20415	10	00961	28313	00	00890	16101	00	01890	18203
136	08	05690	21416	14	05671	24312	00	05690	04202	00	05690	12202
336				13	01763	24414				--	42305	26349
350	40	02764	18325	10	01864	20314	5-	01764	24214	53	05663	22114
368	10	01953	24324							54	05651	09214
379	8-	02856	22426	10	01861	20313	03	01790	24102	00	00890	16102
390	08	01890	26413	50	01863	26313	00	05690	26110	53	01764	26214
382	53	02856	23327	13	01963	24213	50	00861	00011	04	00790	24103
438										51	01754	02314
430	16	01863	22414	18	00861	22301	00	05690	00040	03	01890	32113
409	50	01842	23325	20	00851	26212	00	00890	12101	54	00851	12102

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 24th June
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.	Light or moderate south wind backing southeast or east. Fine at first, thundery rain or thunderstorms to-morrow. Local fog later, near East coasts: warm.
13 A. W. Scotld. B.N.W.Scotland.	Moderate south wind, fresh locally on coasts. Fair at first; local rain and thunder later: warm.
14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	As 0-12
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate south wind, fresh locally. Cloudy; occasional rain, local thunder; rather warm.

GENERAL INFERENCE.

Pressure is almost uniform over England and the North Sea. A trough of low pressure west of Ireland is moving east but will soon become stationary, and a thundery low over Spain is moving north. Weather will be fair or fine over most of Great Britain at first, but thundery rain or thunderstorms are likely to develop later.

FURTHER OUTLOOK.

Local thundery rains or thunderstorms.

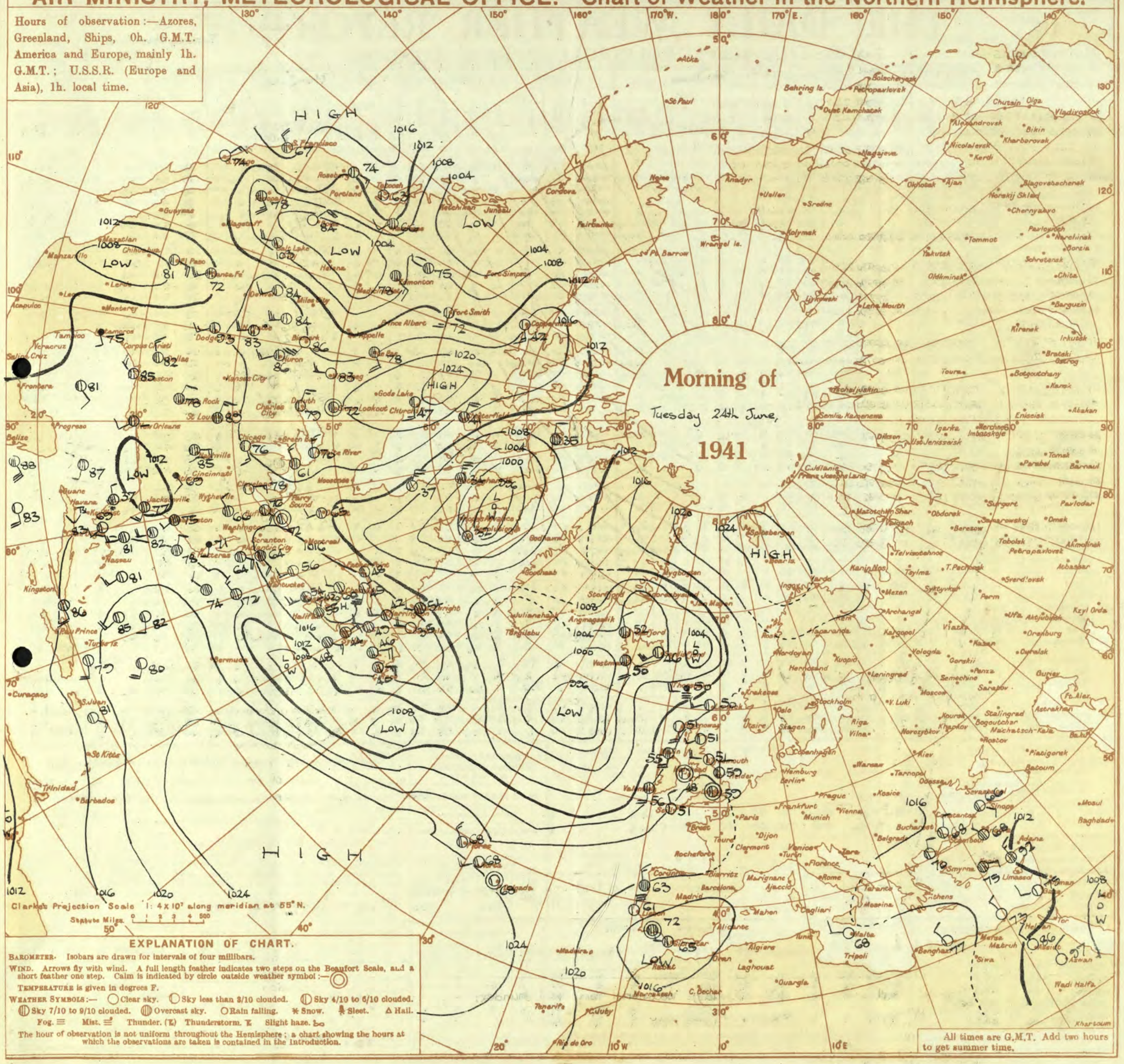
Warm front.
Cold front.
Occlusion.

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.
G.266.Wt. 8176. D.6034. Gp. 943. 9300. 5/41

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 24th June 1941

No. 29,069

OBSERVATIONS at 1 hr. G.M.T. 24th June

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	1020.2	+2	–	0	bc	59	92	6	5	–	–	4-6	4-6	1500
	S. Farnborough	226	1020.6	+2	–	0	b	56	85	7	–	–	–	0	0	–
	Boscombe Down	417	1020.9	+2	NW	2	b	52	85	7	–	–	–	0	0	–
	Thorney Island	10	1020.4	+2	W	1	b	56	87	7	–	–	–	0	0	–
	Lympne ...	346	1020.1	+2	–	0	2/2	58	87	6	5	–	–	2-3	2-3	4000
	Manston ...	154	1019.6	-2	ENE	1	2/2	61	92	6	5	–	–	1	1	5000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1019.8	0	–	0	2/2	63	85	6	–	3	–	0	2-3	–
	Gorleston ...	5	1019.4	0	–	0	b	58	92	5	–	3	–	0	Tr	–
	Mildenhall ...	19	1019.5	+2	WSW	2	b	59	85	7	–	4	–	0	Tr	–
	Cranwell ...	240	1021.1	+4	N	1	2/2	59	85	6	5	–	–	9	9	2500
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1020.2	+2	–	0	b	54	75	7	5	4	–	0	Tr	3000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1019.8	-6	SSE	2	b	51	92	8	1	–	–	Tr	Tr	2500
	Bristol ...	209	1020.9	+2	–	0	c	54	85	8	5	–	–	9	9	3000
	Portland Bill ...	32	1020.7	0	SW	2	bc	58	92	8	5	–	–	2-3	2-3	4000
	Plymouth ...	82	1021.0	0	E'N	2	b	51	92	8	–	–	1	0	Tr	–
	The Lizard ...	240	1020.4	-6	–	0	b	52	97	8	–	–	–	0	0	–
	Scilly (St. Mary's)	163	1020.3	-6	NW'N	2	bc	51	92	8	2	4	2	Tr	2-3	2500
	Guernsey ...	175														
6	Pembroke ...	142	1018.7	-6	S	2	bc	54	97	8	1	–	–	2-3	2-3	4000
7	Holyhead ...	26	1019.3	0	SSW	4	bc	53	92	8	–	–	1	0	2-3	–
	Chester (Sealand)	16	1019.8	+4	SE	1	2/2	48	85	6	–	4	–	0	2-3	–
8	Manchester ...	70	1020.3	+4	–	0	2/2	43	92	4	5	–	–	1	1	5000
10	Spurn Head ...	29	1019.3	+2	N	2	c	59	85	6	5	5	–	4-6	7-8	4000
	Catterick ...	175	1019.9	+6	SW	2	b	51	85	7	5	–	1	Tr	Tr	4000
	Tynemouth ...	108	1019.7	+6	W	3	2/2	55	92	6	–	4	–	0	2-3	–
11	St. Abbs Head	280	1017.4	0	SW	4	bc	56	75	8	4	4	2	2-3	4-6	2500
	Leuchars ...	36	1017.4	+8	NNW	1	bc	53	85	8	–	3	1	0	4-6	–
12	Renfrew (Abbotsl.)	19	1017.9	+10	–	0	bc	51	85	8	5	7	8	2-3	4-6	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1018.0	+2	WSW	3	b	56	85	8	–	4	–	0	1	–
13A	Tiree ...	22	1015.3	0	SSE	4	2/2	53	85	8	6	*	–	9	9	2500
13B	Stornoway ...	80	1014.0	+6	S	4	bc	51	97	7	1	4	–	1	2-3	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	80	1016.5	+14	S	1	b	50	92	9	–	4	1	0	1	–
16	Edinburgh ...	1500	1015.7	+22	WSW	3	bc	50	92	8	–	–	4	0	4-6	–
17	Blacksod Point	18	1012.4	-12	S	6	cq	57	85	7	–	6	–	0	9	–
18	Malin Head ...	84	1015.2	0	S'W	3	c	55	85	8	4	7	–	4-6	7-8	5700
	Aldergrove ...	268	1016.9	+2	S	2	bc	56	75	8	–	4	–	0	2-3	–
19	Birr Castle ...	173	1016.7	-6	S	2	b	53	85	8	–	–	–	0	0	–
20	Valentia Obsy.	30	1015.3	-6	S	4	c	56	85	8	6	–	–	9	9	1500
	Roches Point	22	1017.4	-10	S	4	bc	56	85	8	5	–	–	2-3	2-3	2500

OBSERVATIONS at 7 hr. G.M.T. 24th June

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)	1020.1	+2	W	1	2/2	63	65	6	5	–	–	9+	9+	2500	0	*
	Croydon ...	1020.3	+2	WSW	1	c	62	75	6	–	8	–	0	9+	–	0	*
	S. Farnborough	1020.3	0	–	0	bc	59	65	8	5	3	–	2-3	4-6	5000	0	*
	Boscombe Down	1020.4	-2	–	0	2/2	59	65	6	5	–	1	Tr	1	4000	0	*
	Thorney Island	1019.8	-4	WNW	1	bc	61	75	8	5	4	2	1	2-3	4000	0	
	Lympne ...	1019.8	-2	NE	1	2/2	63	92	6	–	8	2	0	7-8	–	0	§
	Manston ...	1019.4	0	NE'N	1	2/2	63	85	6	2	3	3	Tr	9	2000	0	*
2	Shoeburyness ...	1019.8	0	–	0	bc	66	75	6	–	5	1	0	4-6	–	0	*
	Felixstowe ...	1020.1	-2	–	0	2/2	64	85	6	–	3	–	0	4-6	–	0	0
	Gorleston ...	1020.2	0	–	0	bc	62	85	5	5	4	–	4-6	4-6	2000	0	0
	Mildenhall ...	1019.5	-2	–	0	2/2	61	75	6	–	3	1	0	Tr	–	0	*
	Cranwell ...	1020.9	0	NNW	1	b	60	75	7	–	3	–	0	1	–	0	*
3	Birmingham ...	1020.1	-2	–	0	2/2	60	65	6	–	–	1	0	1	–	0	*
	Upper Heyford	1019.9	-4	W'N	1	b	61	75	7	–	4	–	0	Tr	–	0	*
4	Ross-on-Wye	1020.1	0	WNW	2	bc	55	75	7	–	–	2	0	2-3	–	0	*
5	Hartland Point	1019.3	0	SE	3	bc	57	75	8	1	4	5	1	4-6	3000	0	3
	Bristol ...	1020.8	+2	SSE	1	bc	59	65	8	–	4	4	0	4-6	–	0	*
	Portland Bill ...	1019.3	-4	ENE	2	bc	57	85	8	2	–	–	4-6	4-6	4000	1	2
	Plymouth ...	1020.1	-2	–	0	c	54	85	8	–	3	–	0	9+	–	0	2
	The Lizard ...	1019.6	0	WNW	2	c	56	97	8	8	6	–	7-8	7-8	2500	0	3
	Scilly (St. Mary's)	1018.9	-4	SE	2	bc	55	97	8	8	7	2	2-3	4-6	2000	0	2
	Guernsey ...																
6	Pembroke ...	1019.2	0	SE'S	4	bc	55	97	8	1	–	–	2-3	2-3	3000	0	3
7	Holyhead ...	1019.0	+2	S	3	bc	57	85	8	2	4	1	2-3	2-3	2500	1	2
	Chester (Sealand)	1019.6	-2	SE'S	1	2/2	55	75	5	–	–	1	0	1	–	0	*
8	Manchester ...	1020.1	-2	SSE	1	2/2	55	75	6	–	3	–	0	2-3	–	1	*
10	Spurn Head ...	1019.7	0	ENE	3	bc	60	75	6	7	3	–	2-3	4-6	4000	0	2
	Catterick ...	1019.8	0	–	0	b	57	75	7	–	–	1	0	Tr	–	0	*
	Tynemouth ...	1020.2	+2	SW	3	2/2	56	55	5	–	4	–	0	2-3	–	0	2
11	St. Abbs Head	1018.2	+4	S	3	bc	57	85	8	4	4	4	2-3	4-6	2500	0	2
	Leuchars ...	1017.8	+2	ESE	1	c	58	75	7	–	4	6	0	7-8	–	0	*
12	Renfrew (Abbotsl.)	1017.8	+2	NNW	1	2/2	59	75	6	5	–	–	4-6	4-6	3000	0	*
	Eskdalemuir ...	1019.0	+4	SW'S	2	bc	54	85	8	8	4	1	2-3	4-6	2500	1	*
	Point of Ayre ...	1018.9	+4	S	3	b	57	92	8	2	4	1	Tr	1	1500	0	2
13A	Tiree ...	1014.1	-2	S'E	4	bc	57	85	8	5	3	–	2-3	4-6	2500	0	4
13B	Stornoway ...	1014.5	0	S	3	c	54	85	8	5	7	–	2-3	7-8	2500	1	2
15	Dalwhinnie ...	1016.8	-2	S	3	c	57	75	8	8	5	–	4-6	9	1500	0	*
	Aberdeen ...	1018.1	+2	S	2	bc	59	75	8	–	4	1	0	2-3	–	0	2
	Wick ...	1017.0	+4	S	3	c	54	85	9	5	4	2	4-6	7-8	4000	0	
16	Edinburgh ...	1017.7	+10	S	2	bc	58	85	8	–	–	4	0	4-6	–	*	*
17	Blacksod Point	1011.3	0	S'E	6	cq	57	75	8	–	7	–	0	9	–	0	4
18	Malin Head ...	1014.5	+2	S	2	c	55	75	8	1	–	2	2-3	7-8	5700	0	1
	Aldergrove ...	1016.9	0	SSE	3	bc	55	75	8	5	4	2	Tr	2-3	1500	0	*
19	Birr Castle ...	1015.8	-2	S	2	c	58	85	8	5	–	–	2-3	9	2500	0	*
20	Valentia Obsy.	1013.6	-4	S	5	c/pr	57	85	8	7	7	–	2-3	7-8	2500	0	4
	Roches Point	1016.2	0	S	4	bc	58	85	8	5	–	5	2-3	4-6	1500	0	4

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)	Rainfall. Night 18h–7h mm. (35)	Sunshine 23rd Hrs. (36)
1	London (Kew)	75	59	45	–	–	12.4
	Croydon ...	76	55	53	Tr	–	10.8
	S. Farnborough	76	52	45	–	–	12.9
	Boscombe Down	70	47	38	–	–	10.6
	Thorney Island	73	52	20	–	–	10.5
	Lympne ...	76	55	50	–	–	10.6
	Manston ...	77	57	51	–	Tr	14.0
2	Shoeburyness ...	79	57	47	Tr	–	10.0
	Felixstowe ...	81	52	53	–	–	12.7
	Gorleston ...	80	53	49	–	–	
	Mildenhall ...	76	52	44	Tr	Tr	12.3
	Cranwell ...	75	55	53	–	–	11.4
3	Birmingham ...	73	54	40	*	–	10.7
	Upper Heyford	73	51	44	–	–	*
4	Ross-on-Wye	71	49	41	–	–	12.1
5	Hartland Point	62	50	47	0.1	–	10.3
	Bristol ...	70	48	40	–	–	11.5
	Portland Bill ...	59	52	*	–	–	*
	Plymouth ...	64	48	44	Tr	–	10.1
	The Lizard ...	64	51	*	–	–	12.3
	Scilly (St. Mary's)	64	50	*		–	13.8
6	Pembroke ...	60	51	*	–	Tr	10.4
7	Holyhead ...	62	48	40	0.1	–	10.0
	Chester (Sealand)	75	45	41	–	–	12.1
8	Manchester ...	73	42	37	Tr	–	7.9
10	Spurn Head ...	74	56	*	–	–	9.8
	Catterick ...	72	45	40	–	–	11.3
	Tynemouth ...	72	51	48	–	–	
11	St. Abbs Head	68	50	*	–	–	*
	Leuchars ...	68	52	48	Tr	–	7.2
12	Renfrew (Abbotsl.)	64	50	43	0.1	–	5.4
	Eskdalemuir ...	63	46		0.1	–	4.9
	Point of Ayre ...	71	51	*	–	–	9.7
13A	Tiree ...	60	52	*	3	–	7.3
13B	Stornoway ...	63	51	*	1	–	6.4
15	Dalwhinnie ...	62	44	37	4	–	3.3
	Aberdeen ...	70	52	43	2	–	7.5
	Wick ...	(61)	49	47	*	*	*
16	Edinburgh ...	*	*	*	*	*	*
17	Blacksod Point	61	(53)	*	Tr	–	*
18	Malin Head ...	64	50	*	2	–	6.6
	Aldergrove ...	69	49	43	3	–	6.6
19	Birr Castle ...	67	49	45	–	–	8.6
20	Valentia Obsy.	63	56	53	Tr		9.5
	Roches Point	64	55	*	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.)	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. % (To-day.)	9h. G.M.T. %	Visibility 9h.
Kew ...	18	bcbcy	bcy	bcyb	75	59	45	–	–	12.4	*	*	6
Croydon ...	217	bc	bccy	bbc	76	55	53	Tr	–	10.8	*	*	6
Greenwich (Royal Observatory) ...	149												
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*									*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*									*
Camden Square ...	110			*						*	*		*
Kensington ...	80			*			*						*
Hampstead Observatory ...	450										*		*

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	4-7h 24th	<0.1	7-21h 23rd

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. Evening. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. Morning. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Reykjavik (18h and 07h)	1003.8	SE	3	c	63	1001.1	WNW	2	c	54	*	*	3	*
Lisbon (18h " 07h)	1015.3	N	5	bz	68	1016.1	N	4	c	61	*	57	*	–
Madrid (18h " 07h)	900.3	S	2	b	82	902.0	NE	2	bc	68	91	82	–	–
Cairo (Heliopolis) 18h and 06h):														
Toronto (13h and 01h)						1025.0	–	0	bc	71	*	*	*	*
Washington (13h " 01h)	1015.6	*	1	0/r	*	1012.9	SSW	4	c	80	*	*	*	*

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

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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

Wednesday 25th June 1941

No. 29,070.

OBSERVATIONS at 13h. G.M.T. 24th June

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)	1018·7	-6	NWW	2	c	75	55	8	7	4	-	4-6	7-8	2500
	Croydon	1018·6	-10	NW	2	c	79	55	7	5	3	-	7-8	9+	3500
	S. Farnborough	1018·6	-10	NW'W	2	bc	77	45	9	1	4	-	4-6	4-6	4500
	Boscombe Down	1019·1	-8	WSW	2	bc	74	45	8	1	-	1	4-6	4-6	3000
	Thorney Island	1019·1	-4	NW	3	b	71	65	8	1	4	-	Tr	Tr	5700
	Lympne	1019·1	-6	SSE	1	z0	68	75	6	2	-	9	1	2-3	3500
	Manston	1019·3	-2	SE'E	2	bc	71	75	7	2	-	1	Tr	2-3	3000
2	Shoeburyness	1017·3	-6	E'N	2	bc	65	85	6	-	3	-	0	2-3	-
	Felixstowe	1019·7	-2	E'N	3	bc	65	75	6	5	-	1	1	2-3	6000
	Gorleston	1020·9	0	ESE	1	bc	61	85	6	5	3	-	2-3	4-6	2300
	Mildenhall	1018·5	-6	S'E	1	c	74	55	7	7	-	-	10	10	2000
	Cranwell	1018·6	-12	SSW	3	c	74	55	7	1	-	-	9	9	5200
3	Birmingham	1019·2	-2	SW	2	bc	69	45	8	1	-	1	4-6	4-6	4000
	Upper Heyford	1018·9	-6	WSW	2	bc	75	45	8	1	-	1	4-6	4-6	3500
4	Ross-on-Wye	1018·8	-4	W'S	3	bc	71	45	8	1	-	2	2-3	2-3	4000
5	Hartland Point	1019·0	-2	N	2	bc	61	75	8	7	-	5	4-6	4-6	3000
	Bristol	1019·2	-6	SW	2	c	72	45	9	1	-	1	7-8	7-8	3500
	Portland Bill	1019·5	+4	W	2	bc	61	85	8	2	-	-	2-3	2-3	4000
	Plymouth	1020·0	0	SSW	3	bc	64	75	8	5	-	-	4-6	4-6	3500
	The Lizard	1019·9	0	SSE	3	bc	63	75	8	2	4	-	2-3	4-6	3500
	Scilly (St. Mary's)	1018·9	0	S'W	3	bc	63	85	8	7	4	5	2-3	4-6	2200
	Guernsey														
6	Pembroke	1019·3	0	SSE	3	bc	58	85	8	1	4	1	1	4-6	4000
7	~~Holyhead~~ Valley	1018·5	-2	SSW	4	bc	63	55	8	2	6	2	1	2-3	3000
	Chester (Sealand)	1018·1	-6	SW'S	2	c	73	45	9	7	-	1	7-8	7-8	4000
8	Manchester	1019·1	-4	SW	3	bc	69	45	8	1	-	9	4-6	4-6	3500
10	Spurn Head	1019·0	-4	SE	3	z0	62	85	6	7	-	-	4-6	4-6	4000
	Catterick	1017·6	-10	S'E	3	z0	72	55	6	2	6	-	4-6	7-8	2500
	Tynemouth	1018·9	-6	SSE	4	bc	59	85	7	2	3	1	4-6	4-6	3200
11	St. Abbs Head	1017·4	-4	SE	3	bc	62	55	9	4	4	1	4-6	4-6	2500
	Leuchars	1016·6	-6	SSW	3	bc	68	55	8	2	-	1	2-3	2-3	4000
12	Renfrew (Abbots I.)	1017·2	-2	SW'S	3	bc	67	45	9	8	-	1	4-6	4-6	3500
	Eskdalemuir	1017·5	-4	SW'S	4	bc	63	65	8	7	-	-	4-6	4-6	2500
	Point of Ayre	1018·5	-2	S'E	4	bc	62	85	8	1	-	4	1	2-3	3000
13A	Tiree	1013·2	-4	SSE	4	bc	63	65	8	1	3	5	Tr	2-3	3500
13B	Stornoway	1013·3	-4	SSW	6	c	62	65	8	1	3	2	Tr	9+	3500
15	Dalwhinnie	1015·3	+6	S	4	bc	64	75	8	1	4	1	1	2-3	4000
	Aberdeen	1016·9	-4	SE	3	b	64	65	8	1	-	1	Tr	Tr	3100
	Wick	1015·6	-8	SE	4	bc	60	85	9	1	4	4	1	4-6	4000
16	~~Lerwick~~ Sumburgh	1018·0	+2	SSE	4	bc	57	85	8	-	-	4	0	4-6	-
17	Blacksod Point	1010·8	-4	S	6	cq	60	65	8	-	7	-	0	10	-
18	Malin Head	1013·1	-8	S	5	c	63	55	8	9	-	-	7-8	7-8	5700
	Aldergrove	1016·0	-6	S'E	4	c	62	65	9	7	-	2	9	9+	2000
19	Birr Castle	1014·9	-2	S	3	c	64	65	8	8	7	-	4-6	9	1500
20	Valentia Obsy. †	1013·6	+2	S'E	6	DD	58	92	5	5	-	-	10	10	1500
	Roches Point	1016·6	0	S	4	c	63	75	8	2	3	3	2-3	7-8	2500

OBSERVATIONS at 18h. G.M.T. 24th June

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	-8	ENE	2	z0	76	65	6	8	-	-	7-8	7-8	2500	0	*
Croydon	1017·4	-4	S'E	1	bc	77	55	7	2	4	-	4-6	4-6	4000	0	*
S. Farnborough	1017·3	-8	NW'W	1	bc	77	45	8	4	-	-	4-6	4-6	4500	0	*
Boscombe Down	1018·4	-6	SW	3	b	71	55	8	1	-	-	1	1	3000	0	*
Thorney Island	1018·0	-4	W	2	b	72	55	8	1	-	-	Tr	Tr	4000	0	
Lympne	1018·8	-2	SE	2	b	65	85	7	-	8	1	0	1	-	0	2
Manston	1018·6	-4			z0	66	65	6	3	-	3	Tr		2500	0	*
Shoeburyness	1018·5	-4	E	2	bc	64	75	7	-	7	-	0	2-3	-	0	*
Felixstowe	1018·5	-10	E'N	2	b	63	75	7	-	4	3	0	Tr	-	0	1
Gorleston	1019·6	-8	-	0	bc	62	75	7	-	-	1	0	2-3	-	0	0
Mildenhall	1017·6	-6	S	2	z0	74	65	6	5	3	1	1	2-3	4000	0	*
Cranwell	1018·0	-6	WSW	3	c	75	55	7	8	-	-	7-8	7-8	3500	0	*
Birmingham	1017·9	-4	SW	3	bc	72	45	8	1	-	-	2-3	2-3	4000	0	*
Upper Heyford	1017·6	-6	SW	1	b	75	55	9	1	-	-	1	1	4000	0	*
Ross-on-Wye	1017·7	-8	SW'W	3	bc	72	45	8	1	-	-	2-3	2-3	4000	0	*
Hartland Point	1018·2	-4	N	2	bc	61	75	8	2	-	-	2-3	2-3	2000	0	3
Bristol	1018·0	-4	SW	2	bc	71	65	9	1	-	-	2-3	2-3	4000	0	*
Portland Bill	1018·5	-8	NW	2	b	64	85	8	-	-	-	0	0	-	0	2
Plymouth	1019·1	-6	SW'S	2	b	62	85	8	7	-	-	1	1	3500	0	3
The Lizard	1018·9	-2	-	0	bc	61	85	8	2	-	-	2-3	2-3	3500	0	2
Scilly (St. Mary's)	1018·3	-6	WSW	2	bc	62	85	8	7	-	-	4-6	4-6	2200	0	2
Guernsey																
Pembroke	1018·7	-6	SSE	2	bc	59	92	8	1	4	1	1	2-3	4000	0	3
Valley	1017·5	-6	E	4	bc	59	75	9	1	-	2	Tr	2-3	4000	0	3
Chester (Sealand)	1017·6	0	WNW	3	c	67	55	8	8	-	-	7-8	7-8	3000	0	*
Manchester	1017·5	-6	WNW	1	bc	72	45	8	7	4	1	4-6	4-6	3500	0	*
Spurn Head	1017·6	-6	SE'S	4	z0	60	85	6	5	-	-	9	9	4000	0	3
Catterick	1016·7	-2	SW'W	2	bc	71	45	7	-	-	2	0	4-6	-	0	
Tynemouth	1017·1	0	-	0	bc	59	85	7	-	2	-	0	4-6	-	0	2
St. Abbs Head	1015·6	-6	SSW	4	bc	64	75	8	7	4	-	2-3	4-6	2500	0	2
Leuchars	1015·4	-8	SSW	3	b	68	55	8	-	-	9	0	1	-	0	*
Renfrew (Abbots I.)	1015·9	-6	SSW	4	c	63	55	9	1	4	4	4-6	7-8	3500	0	*
Eskdalemuir	1016·9	-2	SSW	5	bc	60	65	8	7	-	1	1	2-3	4000	1	*
Point of Ayre	1017·4	-8	S'W	4	bc	59	85	8	2	-	6	Tr	2-3	3000	0	3
Tiree	1011·1	-8	SE'E	4	c	58	85	8	5	3	-	4-6	7-8	3500	0	5
Stornoway	1012·4	-4	S	4	c	57	75	8	5	9	-	4-6	9	3000	0	4
Dalwhinnie	1014·8	-2	SW	4	c	61	45	8	8	4	6	2-3	7-8	2500	0	*
Aberdeen	1015·4	-6	S'E	4	b	62	65	7	1	-	9	Tr	1	3100	0	2
Wick	1013·4	-14	SSE	3	bc	58	85	8	-	3	5	0	2-3	-	0	*
Sumburgh	1016·3	-10	SSE	4	bc	55	92	8	5	-	4	Tr	4-6	800	*	*
Blacksod Point	1010·2	+2	S	6	cq	58	92	7	5	-	-	10	10	1500	1	5
Malin Head	1011·3	-14	S	5	bc	66	65	8	4	6	-	2-3	2-3	5700	0	2
Aldergrove	1014·2	-14	S	3	c	65	65	8	7	7	5	2-3	7-8	2500	0	*
Birr Castle	1014·2	-6	SSW	3	c	64	65	8	5	1	-	7-8	9	2500	0	*
Valentia Obsy. †	1013·2	-2	S	4	c	60	97	7	5	-	-	9+	9+	800	1	3
Roches Point	1015·6	-6	S	4	c	58	85	8	5	7	-	4-6	9	1500	0	4

PAST 24 HOURS. WEATHER.

Stations	7h.—13h. 24th (37)	13h.—18h. 24th (38)	18h. 24th to 1h. 25th (39)	1h.—7h. 25th (40)
London (Kew)	cbc z0 ybc	bcycz0	cbczpmw	bmzw
Croydon	cz0bcy	cy	bcbw	b
S. Farnborough	bbcvy	bcvy	bcybbc	bwbcb
Boscombe Down	bz0bc	bc, b	b	bbm0
Thorney Island	bcwbcby	by	bybbw	bwfg0b
Lympne	bcm0	bcz0bbcbb	bcbmw	bmbw
Manston	cm0bcz0b	b, bcbz0	bzmw	bmwz
Shoeburyness	cz0bz0	bz0b	bm0	bfbmw
Felixstowe	bcm0	b	bbm0	bmw
Gorleston	bcz0	b	bcbz	bcbzw
Mildenhall	bm0bbccy	cybc	bcm0bbm	mbbcb
Cranwell	bc, cy	bcy	bcybmz	bmz
Birmingham	bzbc	bc		b
Upper Heyford	bcy	bcby	bybcb	bmb
Ross-on-Wye	bby	bcy	byb	bmw
Hartland Point	bcc	bc	bcb	bbc
Bristol	bybcy	bccbcy	bcybw	bwfgb
Portland Bill	bc	bcb	b	bcbz
Plymouth	cb, cybc	bcb	b, wbmbm	bfcfbm0
The Lizard	bc	bc	bcw	bcw
Scilly (St. Mary's)	cbc	bcbbc	bcbw	coffc
Guernsey				
Pembroke	bc	bc	bc	bccodd
Valley	Wvcy	bc		bbcc
Chester (Sealand)	bcyc	bcyc	bmw	bmfwb
Manchester	bcz0y	bcy	bcybmfg	bwfgmm0
Spurn Head	bcz0	bccm0	bc	bcz
Catterick	bbccy	cybcy	bcybw	bwb
Tynemouth	bcm0bc	bc	bc	bc
St. Abbs Head	bcy	bc	bcb	bbc
Leuchars	cwbcy	bcyby	bybcyb	bbcc
Renfrew (Abbots I.)	bcm0bcy	bccby	bcybbc	bceidm
Eskdalemuir	bc	bcbyb	bcb	bbcc
Point of Ayre	bc	bcbbc	bcbb	c
Tiree	bc	bccbc	bdc	corr
Stornoway	c	c	crr	crrpr
Dalwhinnie	cbc	bccy	*	co
Aberdeen	b	b	bbcz0	bczbc
Wick	bc	c	bc	bc
Sumburgh	bc	c	bc	b
Blacksod Point	cq	cq	cq	ir0c
Malin Head	cyc	bc	c	c
Aldergrove	bcc	cbcybc	bcc	c
Birr Castle	c	c	c	cpr0c
Valentia Obsy. †	cr0r0ODD	DDcm0c	cbcwc	cpRir0
Roches Point	bcc	c	dd0	cir0

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.*

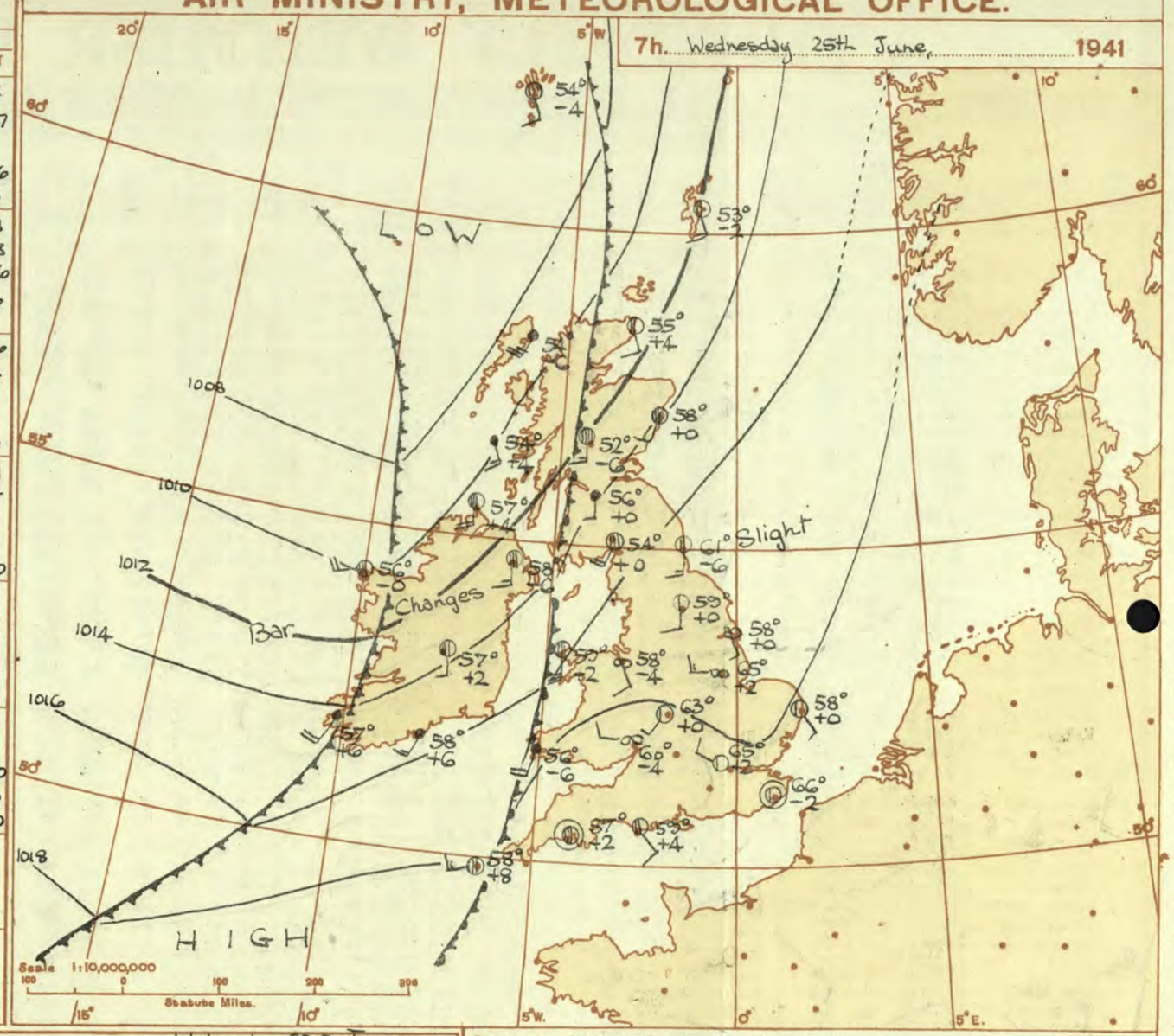
Abridged observations of additional stations in the
AVIATION WEATHER CODE

	13h. G.M.T. 24th June			18h. G.M.T.			01h. G.M.T. 25th June			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	10	01771	14413	00	00790	13402	50	01663	00003	58	01873	17315
115	84	02844	20385	54	02944	20325	54	02844	15227	52	02944	20327
203	5-	01954	20414	55	02947	14517	5-	03848	16528			
206	19	01969	18424	78	01863	20315	5-	00863	00013	85	02853	00026
210	74	01962	30214	13	01861	00015	04	00990	00012	53	02964	14116
220	13	01952	19503	53	02854	17417				62	64736	18468
230	84	01954	18414	74	00862	17313	5-	22857	16267	5-	52748	15368
245	70	00862	11412	74	01643	16314	00	00890	20211	53	02785	14316
260	10	01964	18314	10	00861	18413	04	00890	24111	57	02875	20216
277												
279	10	00862	21313	70	00861	18403				52	02846	20316
285										13	00851	12302
288	10	05654	19314	00	05690	20314	00	05690	18113	00	00890	18101
273												
301	10	00861	28302	10	01890	28114	00	05690	00000	04	05590	12203
321	10	01764	17314	10	00761	22301	04	08490	16102	00	47350	00041
299	10	00752	08102				50	05644	20314	10	05554	00014
292	10	05663	20313	00	05690	22202	00	00790	30100	04	05690	15101
310										--	01642	12112
316	10	05663	16213	14	00771	20201	00	05690	00000	00	05590	00000
333	10	01951	16303	14	01961	18301	00	00890	00000	5-	01755	16315
334	--	01962	20302							--	51790	10202
340	10	01964	18214	70	01874	16214	00	05690	00000	04	00790	16201
136	4-	02768	15118	5-	02665	12325	00	01790	16213	00	05690	18100
336	13	01762	26414	13	01763	16314				13	01762	16313
350	70	01864	18314				5-	05664	00014	00	05690	22210
368	10	01965	16115									
379	10	01854	20114	10	01862	18212	00	00790	26200	00	00790	22200
390	33	10754	08217	03	05690	12214	00	05690	04120	00	05690	26100
382	10	01964	23114	10	01963	17213	00	00890	00000	00	00890	00000
438												
430	10	00962	22302	00	00990	20300	00	00790	00000	10	00561	32101
409	74	11864	23315	10	00852	12212	04	00890	14102	5-	02802	15244

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. Wednesday 25th June 1941



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 25th June, 1941.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light variable winds, becoming southwesterly; fine and very warm today; more cloud tomorrow; becoming cooler.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Light to moderate southerly winds, veering S.W. to W.; cloudy, with some slight rain or drizzle chiefly near the coast; local thunderstorms probable; fair tomorrow; warm, becoming cooler generally.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate southerly winds becoming southwest; becoming cloudy with some occasional rain; some thunderstorms likely; brighter periods, but with some local showers spreading from the west tomorrow; warm at first, becoming cooler.
12 S.W. Scotland & Isle of Man. 13 {A. W. Scotld. B.N.W.Scotland.	Moderate S.W. winds; bright periods; some showers; average temperature.
14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands	Moderate to fresh S.-S.W. winds; cloudy, occasional rain at first; a chance of local thunderstorms; brighter periods tomorrow; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate westerly winds; bright periods; some local showers, perhaps with thunder; average temperature.

GENERAL INFERENCE.

A belt of high pressure from the North Sea across Southern England to the Azores will slowly decrease in intensity. A trough of low pressure associated with a depression on the N.E. Atlantic will move across the country from the west, accompanied by occasional rain and local thunderstorms in the West and North, and a general fall in temperatures.

FURTHER OUTLOOK.

Probably continuing fair in the southern half of the country; cooler generally

Cold Front
Warm Front
Occlusion

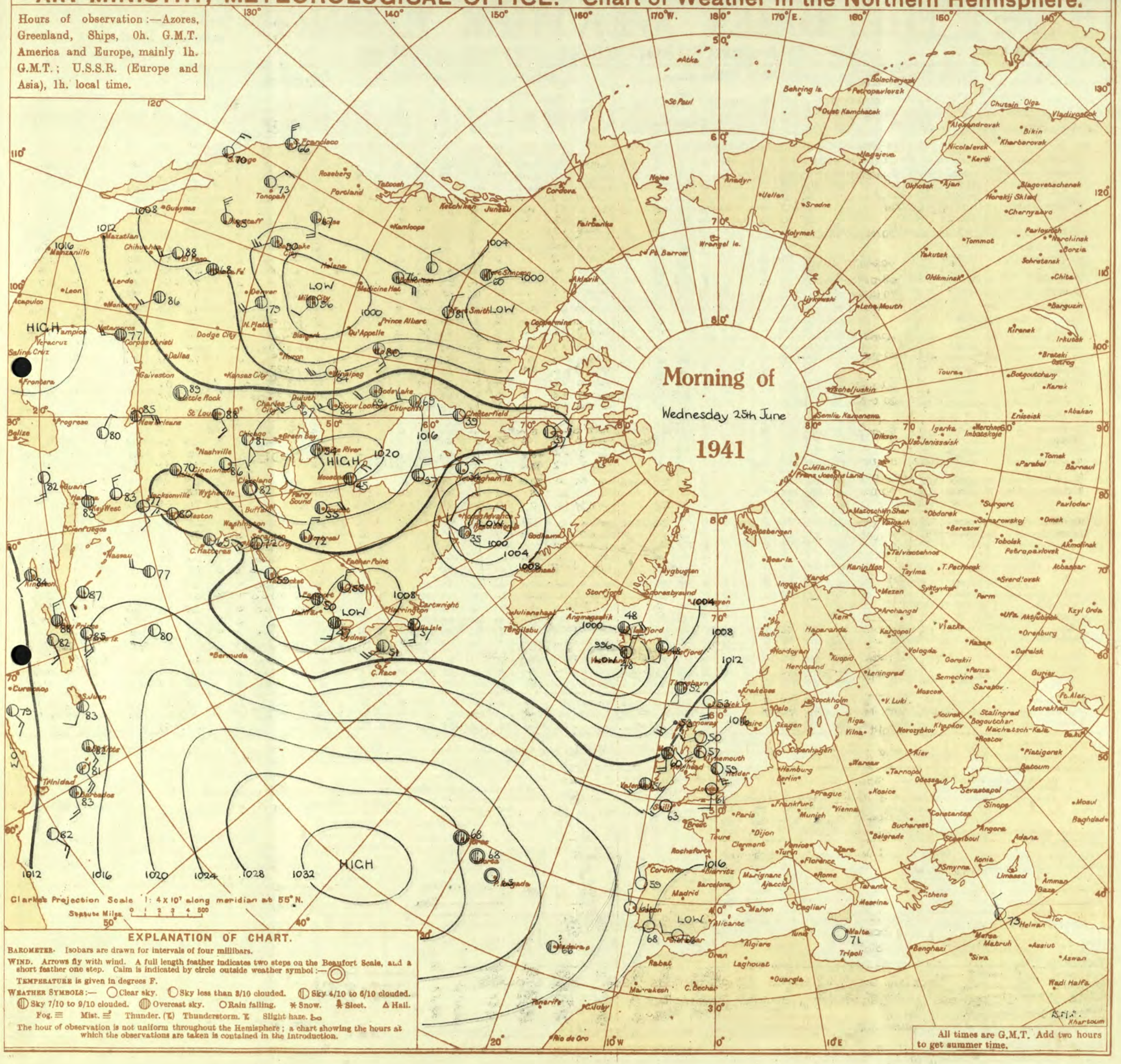
Forecasts issued at 1030h. G.M.T

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

H.M.S.O. Press, Cornwall House, S.E.1.
G.266. No. 8176. D. 6034. Gp. 943. 9300. 5/41

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 25th June 1941

No. 29,070

OBSERVATIONS at 1 hr. G.M.T. 25th June

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	1018.0	-2	S	1	b	61	85	7	-	-	-	0	0	-
	S. Farnborough	226	1018.5	-2	WNW	1	b	59	85	7	-	-	1	0	Tr	-
	Boscombe Down	417	1019.1	-2	NW'N	1	b	56	85	8	-	-	-	0	0	-
	Thorney Island	10	1018.3	-6	N'W	1	b	57	92	7	-	-	-	0	0	-
	Lympne	346	1019.2	-2	-	0	z	59	97	6	-	-	-	0	0	-
	Manston	154	1018.3	-6	S'E	1	z	58	92	6	-	-	-	0	0	-
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1018.9	-6	-	0	z	57	85	6	-	-	-	0	0	-
	Gorleston	5	1019.3	-8	-	0	z	56	92	6	-	-	-	0	0	-
	Mildenhall	19	1017.9	-4	E'S	1	z	55	92	6	-	-	-	0	0	-
	Cranwell	240	1018.1	-2	SSW	1	z	60	85	6	-	4	-	0	1	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1018.4	-2	-	0	b	58	85	7	-	-	-	0	0	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1018.8	-4	SSW	2	b	55	85	8	-	-	-	0	0	-
	Bristol	209	1019.5	+2	W	1	b	57	85	8	-	-	-	0	0	-
	Portland Bill	32	1018.9	-2	NW	2	b	59	92	8	-	-	-	0	0	-
	Plymouth	82	1019.7	0	-	0	bf+	53	97	3	-	-	-	0	0	-
	The Lizard	240	1019.6	+2	S	2	bc	56	97	7	4	-	1	2-3	2-3	2500
	Scilly (St. Mary's)	163	1019.3	+2	SSW	3	b	59	97	7	-	-	-	0	0	-
	Guernsey	175														
6	Pembroke	142	1019.2	0	S	3	b	56	97	8	1	-	-	1	1	3000
7	Valley	26	1017.1	-4	S	5	b	55	92	8	1	-	-	Tr	Tr	4000
	Chester (Sealand)	16	1018.0	-2	-	0	z	52	92	5	-	-	-	0	0	-
8	Manchester	70	1018.1	0	-	0	fg	48	97	4	-	-	-	0	0	-
10	Spurn Head	29	1017.9	-2	SE'S	3	bc	59	92	7	5	-	1	2-3	2-3	4000
	Catterick	175	1017.8	0	-	0	b	53	85	7	-	-	1	0	Tr	-
	Tynemouth	108	1017.9	-6	WSW	2	bc	57	85	6	-	3	-	0	2-3	-
11	St. Abbs Head	280	1015.4	0	S	2	bc	53	85	8	1	4	-	1	2-3	2500
	Leuchars	36	1015.1	-4	SW	2	b	54	75	8	-	-	-	0	0	-
12	Renfrew (Abbots I.)	19	1015.1	-8	SE	1	bc	54	75	7	5	3	4	4-6	4-6	3500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1015.8	-4	S'W	3	b	55	85	8	4	-	-	Tr	Tr	2000
13A	Tiree	22	1010.8	-2	SE'E	3	c*	54	85	8	5	*	*	7-8	7-8	1800
13B	Stornoway	80	1010.6	-2	SSW	6	rr	53	97	6	5	2	-	9	10	1200
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	169	1012.2	-6	SSE	2	b	54	85	8	-	4	8	0	1	-
16	Sumburgh	36	1012.5	-18	SSE	4	bc	53	85	8	-	3	2	0	2-3	-
17	Blacksod Point	18	1010.4	-4	S	6	cq	57	85	7	9	-	-	9+	9+	1500
18	Malin Head	84	1011.6	-2	S	4	c	60	85	7	8	-	-	7-8	7-8	4000
	Aldergrove	268	1014.2	-4	S	3	c	57	85	7	5	-	-	10	10	2500
19	Birr Castle	173	1014.0	-6	SSW	2	c	58	97	8	5	-	-	10	10	2500
20	Valentia Obsy.	30	1014.3	-2	SSW	3	c	56	92	8	5	-	-	9	9	2500
	Roches Point	22	1015.0	-6	S'W	4	o/d	57	97	6	5	-	-	10	10	450

OBSERVATIONS at 7 hr. G.M.T. 25th June

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)	1018.8	+8	WSW	2	z	64	75	6	-	-	-	0	0	-	0	*
Croydon	1018.5	+2	WNW	2	b	65	75	7	-	8	-	0	Tr	-	0	*
S. Farnborough	1018.9	+2	NW'W	1	b	62	75	9	-	4	-	0	Tr	-	0	*
Boscombe Down	1019.1	-2	-	0	z	61	75	6	-	-	-	0	0	-	0	*
Thorney Island	1018.6	+2	W	1	b	65	75	9	-	8	-	0	1	-	0	
Lympne	1019.5	-2	-	0	b	66	75	7	-	-	1	0	Tr	-		§
Manston	1018.1	+2	-	0	z	67	75	6	-	-	-	0	0	-	0	*
Shoeburyness	1018.3	+4	W	1	b	65	85	5	-	-	-	0	0	-	0	*
Felixstowe	1018.5	-2	-	0	z	64	85	6	-	-	-	0	0	-	0	0
Gorleston	1018.5	0	SE'S	1	b	58	92	6	-	-	-	0	0	-	0	0
Mildenhall	1017.9	+2	S'W	1	z	63	85	6	-	4	1	0	Tr	-	0	*
Cranwell	1017.9	+2	W	3	z	65	75	6	-	3	-	0	2-3	-	0	*
Birmingham	1018.3	0	SW	1	b	63	75	8	-	-	-	0	0	-	0	*
Upper Heyford	1019.0	+6	W'S	2	b	61	85	8	-	-	-	0	0	-	0	*
Ross-on-Wye	1018.2	-4	W	2	z	60	85	6	-	-	1	0	Tr	-	0	*
Hartland Point	1018.3	+2	SW	3	bc	56	92	8	4	4	-	2-3	2-3	2500	0	3
Bristol	1018.9	-2	S	2	b	62	65	8	-	-	-	0	0	-	0	*
Portland Bill	1019.0	+4	SE	2	bc	59	92	8	1	-	-	2-3	2-3	2500	0	2
Plymouth	1019.6	+2	-	0	cjf	57	97	6	5	-	-	7-8	7-8	2500	0	2
The Lizard	1019.5	+8	S	3	bc	58	92	8	8	6	-	4-6	4-6	2500	1	2
Scilly (St. Mary's)	1018.0	+8	WSW	3	c/f	58	97	7	8	6	-	7-8	9	800	0	2
Guernsey																
Pembroke	1018.0	-6	S'W	4	dd	56	97	4	5	-	-	10	10	2000		
Valley	1016.3	+2	S	5	c	59	85	8	7	-	-	9+	9+	3000	0	3
Chester (Sealand)	1017.2	-4	SSE	2	z	58	75	6	-	4	-	0	Tr	-	0	*
Manchester	1017.7	-2	SSW	2	z	61	75	6	-	5	-	0	1	-	0	*
Spurn Head	1017.6	0	SSE	1	z	58	92	6	-	-	-	0	0	-	0	2
Catterick	1017.2	0	S	2	b	59	75	7	-	4	-	0	Tr	-	0	*
Tynemouth	1017.3	-6	S	3	bc	61	65	6	-	3	-	0	2-3	-	0	2
St. Abbs Head	1015.4	0	SE	2	bc	57	75	9	4	4	9	2-3	4-6	2500	0	2
Leuchars	1014.7	-2	ESE	2	c	57	75	8	5	4	9	4-6	7-8	3500	0	*
Renfrew (Abbots I.)	1014.4	0	S	1	id	56	85	6	6	2	-	7-8	10	800	1	*
Eskdalemuir	1014.7	0	SSW	4	c	54	92	8	5	-	-	9	9	1500	1	
Point of Ayre	1015.2	-4	SW'S	4	c	58	85	8	8	7	-	4-6	9+	2500	0	3
Tiree	1010.6	+4	SSE	3	dr	54	97	7	-	2	-	10	10	1500	1	4
Stornoway	1009.3	-6	SSW	5	pr	54	97	7	8	7	-	9	10	1000	1	4
Dalwhinnie	1011.1	-6	S	3	o	52	85	7	5	-	-	10	10	1500	0	*
Aberdeen	1013.8	0	SSW	2	bc	58	65	7	-	4	3	0	2-3	-	0	1
Wick	1012.1	+4	SSE	2	bc	55	85	9	5	3	4	1	4-6	5700	0	*
Sumburgh	1012.7	-2	SSE	3	bc	53	92	8	5	-	4	Tr	4-6	400	*	*
Blacksod Point	1009.7	0	WSW	4	c/r	56	92	7	6	-	-	9	9	800	1	4
Malin Head	1010.8	+4	S	4	c	57	85	7	9	-	-	9	9	1500	0	2
Aldergrove	1012.7	-6	S	3	c	58	85	7	5	2	-	9	10	1500	0	*
Birr Castle	1013.5	+2	S	1	c	57	85	8	5	1	-	7-8	9+	2500	0	*
Valentia Obsy.	1014.3	+6	SW'S	4	ir	57	97	7	6	1	-	9+	10	800	1	3
Roches Point	1015.3	+6	SSW	3	ir	58	92	8	6	2	-	7-8	9+	1500	1	4

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 24th. Hrs. (36)
London (Kew)	79	58	47	-	-	8.0
Croydon	80	54	52	-	-	8.0
S. Farnborough	79	50	44	-	-	12.9
Boscombe Down	76	51	40	-	Tr	14.7
Thorney Island	75	52	49	-	-	*
Lympne	69			-		
Manston	72	56	48	-	Tr	12.4
Shoeburyness	70	54	43	-	-	8.5
Felixstowe	67	54	49	-	-	10.6
Gorleston	63	56	46	-	-	*
Mildenhall	77	55	45	-	-	6.7
Cranwell	77	58	49	-	-	12.4
Birmingham	74	57	42	-	-	13.6
Upper Heyford	76	53	45	-	Tr	*
Ross-on-Wye	73	51	43	-	-	14.5
Hartland Point	64	52	50	-	-	13.5
Bristol	74	50	42	-	-	14.8
Portland Bill	65	55	*	-	-	*
Plymouth	66	52	47	-	-	12.2
The Lizard	65	53	*	-	-	11.9
Scilly (St. Mary's)	64	54	*	-	0.1	13.0
Guernsey						
Pembroke			*	-		
Valley	65	54	48	-	-	
Chester (Sealand)	73	51	42	-	-	14.0
Manchester	73	44	40	-	-	13.4
Spurn Head	65	57	*	-	-	10.2
Catterick	73	49	42	-	-	14.5
Tynemouth	71	55	50	-	-	*
St. Abbs Head	67	49	*	-	-	*
Leuchars	70	51	47	-	-	14.4
Renfrew (Abbots I.)	67	53	44	-	0.2	13.2
Eskdalemuir	64	41	34	-	-	14.4
Point of Ayre	65	52	*	-	-	15.5
Tiree	63	53	*	-	6	9.9
Stornoway	60	52	*	-	0.6	3.3
Dalwhinnie	65	50	43	-	-	13.2
Aberdeen	66	52	43	-	-	14.2
Wick	61	51	51	*	*	*
Sumburgh	*	*	*	*	*	*
Blacksod Point	64	54	*	0.5	6	*
Malin Head	69	55	*	-	Tr	9.3
Aldergrove	66	56	53	-	-	11.1
Birr Castle	68	55	54	-	0.2	6.4
Valentia Obsy.	61	55	51	4	1	0.7
Roches Point	64	57	*	-	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.)	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	cbczybc	bczycz	cbczbm	79	58	47	-	-	8.0	*	*	8
Croydon	217	czbcy	cy	bcbw	80	54	52	-	-	8.0		*	7
Greenwich (Royal Observatory)	149	cz	cbcz y	bcbcbw	77	55	42	-	-	3.9	66	55	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	78	59	55	-			54	61	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	78	58	50	-	-		50	57	*
Camden Square	110	bc	bc	*	80	58	52	-	-	*	*	61	*
Kensington	80	bc	bc	*	80	58	51	-	-		65	63	*
Hampstead Observatory	450	bc	bc	b	76	59	49	-	-		*	61	*

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	17-24h. 24th.	<01	1-3h. 25th.

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. EVENING 24.6.41 Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. MORNING 25.6.41 Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Past 24 Hours Max. Day °F.	Min. Night °F.	Rainfall Day mm.	Night mm.
REYKJAVIK (18h. and 7h)	998.1	WSW	1	rr	55	995.4	N	3	c	52	61	50	-	3
LISBON (18h and 7h)	*	N	5	b	64	1017.5	N	7	c	63	*	57	-	-
MADRID* (18h. and 7h)	899.9	ENE	3	c	77						84		Tr	*
CAIRO (Heliopolis) 18h and 6h	1013.6	NE	3	b	83	1015.1	NE	3	bc	75	*	*	*	*
TORONTO (13h and 1h)						1013.2	SSE	3	z	77	*	*	*	*
WASHINGTON (13h and 1h)											*	*	*	*

*Pressure reduced to level of 1000 dynamic metres

‡ 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.

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

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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 26th June, 1941

No. 29,071.

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

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)...	1017·4	-12	SW'W	2	b	76	45	8	-	4	-	0	Tr	-
	Croydon ...	1017·4	-12	W	2	b	79	45	8	1	4	-	Tr	Tr	2500
	S. Farnborough	1017·5	-14	WSW	3	b	79	45	9	1	-	-	1	1	4000
	Boscombe Down	1018·4	-6	SW	4	c	79	55	8	1	4	-	4-6	7-8	3500
	Thorney Island	1018·6	-4	SSW	3	b	71	65	9	1	-	4	Tr	1	5700
	Lympne ...	1018·5	-6	SE	1	b	68	75	8	-	-	-	0	0	-
	Manston ...	1018·1	-10	SE'S	2	z_0	71	75	6	-	-	2	0	4-6	-
2	Shoeburyness ...	1017·4	-20	SSW	1	b	81	85	6	-	-	-	0	0	-
	Felixstowe ...	1017·7	-6	S'E	3	z_0	70	75	6	1	-	-	Tr	Tr	4000
	Gorleston ...	1017·8	-6	SSE	1	b	65	75	6	1	-	-	1	1	2500
	Mildenhall ...	1016·6	-10	SW'S	2	b	79	45	8	-	4	-	0	1	-
	Cranwell ...	1017·4	+2	WSW	4	bc	77	55	7	-	-	1	0	4-6	-
3	Birmingham	1017·0	-4	SW	3	bc	73	45	8	1	-	1	1	2-3	2500
	Upper Heyford	1017·1	-14	SSW	3	b	77	45	8	1	-	2	Tr	1	3500
4	Ross-on-Wye ...	1017·3	-6	SW	3	b	72	55	8	1	-	1	1	1	4000
5	Hartland Point	1018·7	0	SW	4	c	60	85	8	2	6	-	4-6	7-8	2000
	Bristol ...	1018·2	-6	WSW	3	bc	72	55	9	1	4	-	1	2-3	4000
	Portland Bill ...	1019·2	+2	W	2	c	60	92	8	5	-	-	10	10	2500
	Plymouth ...	1019·8	+2	SSW	2	b	65	75	8	2	4	-	1	1	2500
	The Lizard ...	1020·0	+6	W	2	m	61	97	4	8	2	-	9	10	1500
	Scilly (St. Mary's)	1019·3	+4	W	2	bc	62	85	8	8	3	-	2-3	4-6	1200
	Guernsey ...														
6	Pembroke ...	1018·6	0	SW'S	3	c	59	92	7	2	3	-	4-6	9	3000
7	~~Holyhead~~ Valley	1016·7	+4	SW'S	6	r_0r_0	56	97	6	5	-	-	10	10	3000
	Chester (Sealand)	1016·3	-2	WSW	4	c	69	65	8	7	-	-	9+	9+	3000
8	Manchester ...	1016·4	-4	SW'S	3	c	73	45	8	8	3	-	4-6	7-8	4000
10	Spurn Head ...	1016·2	-10	SE	4	z_0	66	75	6	-	8	-	0	2-3	-
	Catterick ...	1014·3	-14	WSW	5	bc	75	45	7	4	4	-	Tr	4-6	5100
	Tynemouth ...	1015·0	-12	SE	3	bc	61	75	6	8	3	-	4-6	4-6	2500
11	St. Abbs Head	1013·7	-8	S	3	c	65	65	8	8	4	-	4-6	7-8	2500
	Leuchars ...	1013·5	-6	SW	3	ir_0	61	85	8	5	7	-	9	9+	1800
12	Renfrew (Abbots I.)	1014·1	+4	S'W	2	r_0r_0	59	85	6	6	2	-	9	10	600
	Eskdalemuir ...	1014·9	-4	SW'W	6	o/r	56	92	7	5	-	-	10	10	800
	Point of Ayre ...	1015·3	+2	SW'W	3	c	57	97	9	6	7	-	Tr	9+	1500
13A	Tiree ...	1009·5	-4	S'E	4	c	56	97	8	5	-	-	9+	9+	1500
13B	Stornoway ...	1009·1	-6	S	5	c/pr	54	92	8	8	7	-	7-8	9+	2000
15	Dalwhinnie ...	1011·8	-12	S	4	c	58	85	7	5	-	-	9+	9+	1500
	Aberdeen ...	1013·1	-14	S'W	3	bc	64	65	7	7	9	9	1	4-6	3100
	Wick ...	1010·8	-8	SSE	2	c	59	85	9	5	7	-	4-6	9+	4000
	~~Lerwick~~ Sumburgh	1012·1	-10	SSE	3	c	54	85	8	5	3	-	4-6	9+	3500
17	Blacksod Point..	1011·9	+4	WSW	5	bcq	60	75	8	3	-	-	2-3	2-3	2500
18	Malin Head ...	1010·5	+4	S'W	6	c/pr	61	85	8	4	-	4	4-6	7-8	2500
	Aldergrove ...	1012·7	-6	SSW	4	c	63	65	8	8	7	-	9	9+	1800
19	Birr Castle ...	1014·2	+2	W	2	c/pr	63	85	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy. †	1016·4	+10	W'S	4	c	60	75	9	8	-	-	9	9	4000
	Roches Point ...	1016·3	+2	SW	3	c	60	85	8	5	-	-	9	9	1500

OBSERVATIONS at 18h. G.M.T. 25th June. — 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. 25th (37)	Weather 13h.–18h. 25th (38)	Weather 18h. 25th – 1h. 26th (39)	Weather 1h.–7h. 26th (40)
London (Kew)	1016·8	-4	WSW	3	bc	75	55	8	7	-	-	0	2-3		0	*	bz_0by	bbcy	bcyb	$bbcz_0$
Croydon	1016·8	-2	SW'W	3	bc	78	55	8	1	4	1	2-3	2-3	5700	0	*	by	bybcy	bcybyc	bc
S. Farnborough	1017·2	-2	SW'W	3	bc	75	45	8	4	4	-	2-3	2-3	5000	0	*	byv	bvcbbcy	bcybw	bwbccbcc
Boscombe Down	1017·7	-4	SW'S	3	b	71	55	8	1	-	-	1	1	3000	0	*	bm_0bcy	bc,by	bc	cw
Thorney Island	1017·9	-2	WSW	3	b	71	55	8	-	3	-	0	Tr	-	0		bbyb	bby	bybcc	cbc
Lympne	1017·4	-4	SW	2	bc	75	55	8	-	-	2	0	2-3	-	0	§2	bz_0b	by	bcyb	$bbccz_0$
Manston	1016·3	-10	SW'W	2	bc	77	65	8	-	-	6	0	4-6	-	0	*	$bbcz_0$	bcz_0bz_0b	$bbcm_0$	b,cbm_0
Shoeburyness	1016·2	0	WSW	2	bc		55	7	-	4	1	0	4-6	-	0	*	bm_0z_0	bz_0bc	$bcycm_0$	cm_0wcm_0
Felixstowe	1016·2	-10	SW'S	3	z_0	74	65	6	-	-	2	0	4-6	-	0	2		bz_0	b	b,c
Gorleston	1016·1	-8	S	3	bc	67	75	6	-	-	8	0	4-6	-	0	3	bz_0	bcz_0	$bcbz_0$	bcz_0
Mildenhall	1015·7	-4	W'S	3	bc	78	45	9	-	8	8	0	2-3	-	0	*	bm_0bcby	ybbcvbv	byvbbc	bccbc
Cranwell	1016·9	-2	WSW	4	b	76	55	7	1	-	-	Tr	Tr	4000	0	*	bbcy	bcby	bybcb,c	cz_0
Birmingham	1016·5	0	WSW	3	bc	70	55	8	1	3	-	1	2-3	4000	0	*	b	bbc	bcc	c
Upper Heyford	1016·3	-6	W'N	3	b	74	45	8	1	-	-	Tr	Tr	3500	0	*	bcby	by	bybcbbc	$bcbcm_0$,c
Ross-on-Wye	1016·7	-6	WSW	3	c	70	55	8	5	5	9	2-3	7-8	4000	0	*	bz_0by	bybcy	cbcc	cbc
Hartland Point	1018·4	-4	WSW	3	bc	60	85	8	2	6	6	2-3	4-6	2500	0	3	bcc	cbc	bcc	cd_0cbc
Bristol	1018·3	0	W'S	3	bc	66	55	9	5	3	-	2-3	4-6	4000	0	*	bbcy	bcybbc	bcc,c	cid_0
Portland Bill	1018·4	-6	SW	2	c	58	92	8	2	-	-	7-8	7-8	2500	0	2	c	bcc	c	c
Plymouth	1019·2	-6	SW	3	bc	62	85	8	2	4	-	Tr	2-3	3000	0	3	bcb	bbcb	bbcc	c
The Lizard	1019·5	-4	W'N	2	bc	62	85	8	2	3	-	2-3	4-6	3000	0	2	bcc	bc	cbccw	c
Scilly (St. Mary's)	1019·2	-4	W'S	3	bc	61	85	8	8	8	-	2-3	4-6	1500	0	2	cbcc	bc	bcc	cddcbc
Guernsey																				
Pembroke	1018·2	-2	SW	4	c	57	97	7	8	7	-	4-6	7-8	3000	0	3	bcc	c	cbcc.	cbc
Valley	1016·0	-4	SSW	5	c	58	92	8	8	-	-	7-8	7-8	4000	1	4	r	c	cm_0	cbc
Chester (Sealand)	1016·2	-4	WSW	3	c	66	55	9	8	7	-	4-6	9+	3700	0	*		cbcvy	ccm_0	cm_0ir_0
Manchester	1016·5	-2	WSW	2	z_0	67	65	6	8	3	-	7-8	7-8	3000	0	*	bz_0bbcy	$cypr_0z_0$	cz_0bcm_0	
Spurn Head	1015·2	0	SE'S	3	bc	62	75	6	1	-	-	2-3	2-3	7200	0	2	$bbcz_0$	bzbz.		
Catterick	1015·4	+6	W	3	c	65	65	8	8	6	-	4-6	9	3000	0		bcy	bbcc	cbcc	cbcy
Tynemouth	1015·3	0	W	3	c/pr	65	65	6	8	3	-	7-8	9	2800	0	2	bc	$bccp_0$	c	cbc
St. Abbs Head	1013·2	-8	SW	5	c	59	85	9	4	7	-	4-6	7-8	2500	1	2	bcc	bbcc	bcc	cbc
Leuchars	1013·6	-6	SSW	3	bc	62	85	8	2	7	-	2-3	4-6	2200	1	*	cir_0	cir_0r_0cbc	bcPRbcc	ccm_0bm_0
Renfrew (Abbots I.)	1012·9	+2	WSW	4	c/pr	59	85	8	9	-	3	7-8	7-8	1400	1	*	$cd_0ir_0rr_0$		cpr_0bcc	cm_0cid_0c
Eskdalemuir	1014·5	-2	SSW	5	c	57	85	8	8	-	-	9	9	800	1	*	cir_0	ir_0r_0c	$coid_0$	cbcc
Point of Ayre	1015·0	-2	SW'W	4	c	63	85	8	8	7	-	4-6	9+	4000	0	3	dor_0c	bcc	cpr_0bc	cm_0r_0
Tiree	1010·8	+4	SSW	4	bc	57	85	8	2	3	2	2-3	4-6	2500	0	5	corr	cbc	bcc	c
Stornoway	1008·7	0	S	5	c	56	85	8	8	7	-	7-8	9+	2000	1	4	cr_0r_0pr		cPR	cpr_0
Dalwhinnie	1012·7	+6	SW	3	pr	53	85	8	3	6	-	7-8	9+	1500	1	*	pid_0c			pid_0c
Aberdeen	1012·1	-6	SSW	3	c/r	60	85	8	6	7	-	4-6	9	1800	1	2	bc	circ	cir_0bc	bcb
Wick	1010·1	-6	SW	2	bc	61	85	9	8	3	1	4-6	4-6	4000	*	*	o	c	b	b
Sumburgh	1010·8	-10	S	4	c/r	53	85	8	5	7	-	4-6	9+	3100	*	*	o	r	r	b
Blacksod Point	1012·9	+6	WSW	5	bcq	57	75	8	3	-	-	4-6	4-6	2500	0	4	bcq	bcq	dd	pr_0c
Malin Head	1011·5	+6	W	5	bc	58	85	8	2	-	5	2-3	4-6	5700	0	2	cpr_0c	c	dbcc	c
Aldergrove	1013·0	+6	SW'W	4	bc	66	55	9	2	-	-	2-3	2-3	3000	0	*	$r_0r_0cir_0$	cpr_0bcby	bybbc	bcc
Birr Castle	1015·2	+6	WSW	3	bc	65	55	8	4	-	-	4-6	4-6	2500	0	*	cpr_0	dbcy	bbcc	cir_0
Valentia Obsy. †	1017·5	+6	W'S	4	bc	59	75	8	8	-	-	4-6	4-6	2500	0	4	cir_0pr_0c	cbc	bccpr	cq,prc
Roches Point	1017·6	0	WSW	3	c	61	85	8	2	3	5	2-3	7-8	4000	0	4	c	pr_0c	bcb	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_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.

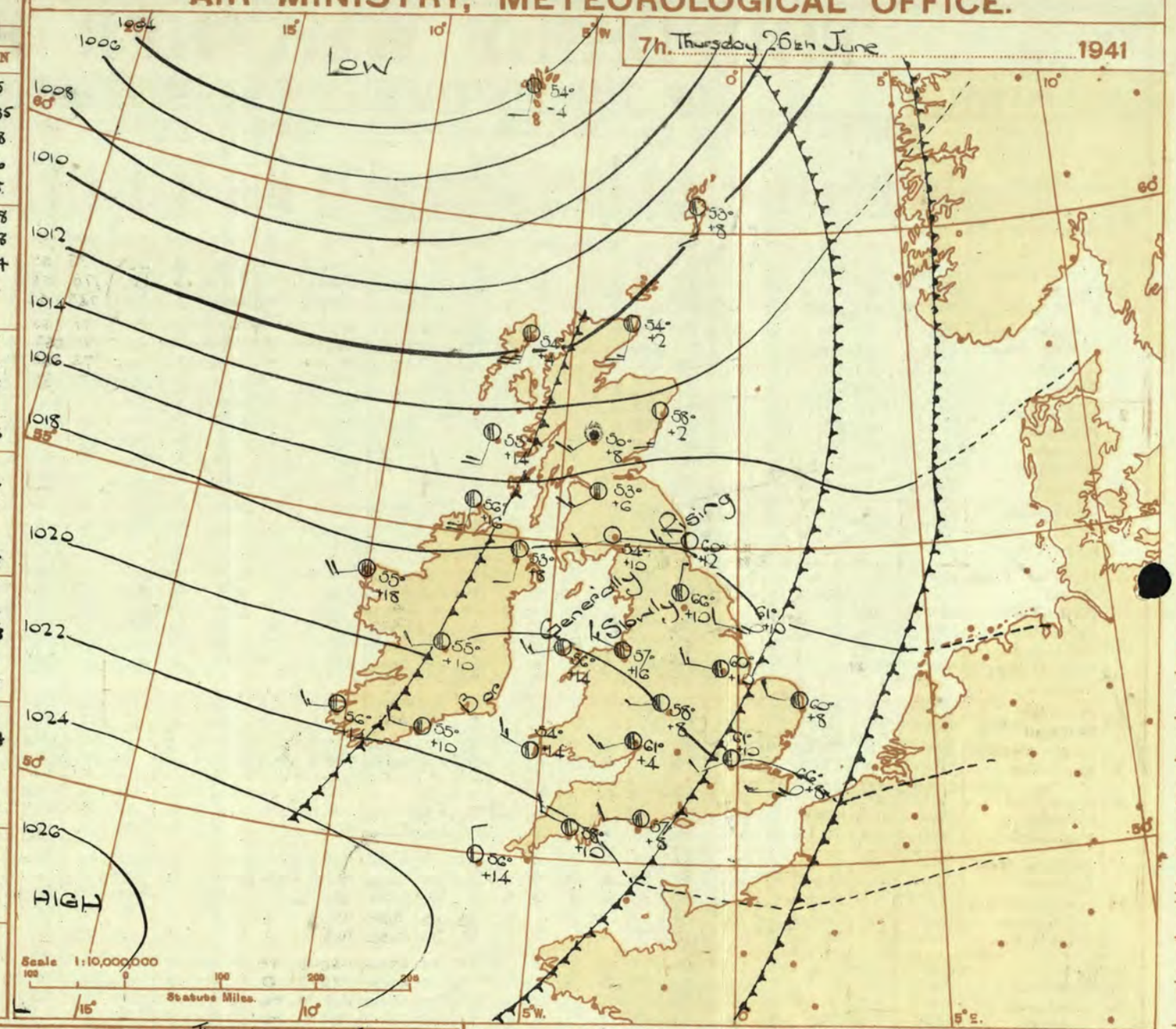
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

AIR MINISTRY, METEOROLOGICAL OFFICE.

Abridged observations of additional stations in the
AVIATION WEATHER CODE

13h. G.M.T. 25th June					18h. G.M.T.		01h. G.M.T. 26th June			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	02884	16316	8-	61667	15367	10	00752	18212	53	02874	16415
115	52	62834	20267	54	81844	20486	52	02944	20487	52	81934	20485
203							5-	62948	18628	5-	22848	16568
206	83	25854	14386	83	02855	22226	54	00851	55422	54	02855	22326
210	57	61865	18327	83	02965	22465	54	00961	15212	53	02964	18415
220	53	25845	18586	23	01953	23403				52	03835	23428
230	52	22647	17268	83	01955	20385	5-	02846	00026	5-	62748	21468
245	57	22755	19367	23	22853	16363	50	01744	30265	54	01743	22214
260	57	62844	18468	86	01853	20313	54	01853	20314	54	00862	20313
277												
279	5-	21848	18558	87	02945	20426				74	01865	24215
285	23	41754	20515							13	01861	26413
288	17	05653	18313	5-	02857	21327	57	01863	18225	83	01854	23225
273												
301	87	02745	22326	57	02855	22326	81	02865	22427	57	01863	26423
321	10	00762	17403	13	05663	26314	03	05590	20115	53	05665	22127
299	00	05590	00000	70	05653	26213	50	05653	26213	57	01754	26214
292	10	05663	18303	8-	02867	24417	57	01773	19214	57	02763	24225
310	--	01644	12314									
316	04	01790	20302				5-	05665	00015	03	05690	20225
333	5-	61767	18367	53	02864	18426	2-	02745	24385	7-	02965	00015
334	--	21857	18458							--	01773	24314
340	14	00864	19315	13	02963	22315	50	01873	16213	5-	51948	32258
136				09	01890	19413	53	01771	30204	05	05690	23315
336	51	01763	16418	14	01763	20314				52	02753	26417
350	10	00861	18302	10	01863	22313	50	05664	22214	53	02764	24225
368	13	00862	24413							14	01843	23314
379				40	01871	24301						
390	50	00763	24113	13	00761	24313	00	05690	22100	55	05663	24114
382				13	00862	24303	50	01764	22204	57	02764	23227
438	50	01663	24203							56	01754	00015
430	00	00990	22200	03	00990	22301	50	02766	28126	08	01890	24115
409	54	00842	22313	58	01881	23315	50	05624	20226	57	02743	27325

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. Thursday 26th July
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Light southwest to west winds: fair with bright periods: average temperature.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkneys and Shetlands 17 N. W. Ireland 18 N. E. Ireland	Light to moderate southwest winds. Variable sky with bright intervals; some showers chiefly in the West and North, with a chance of very localised thunder: average temperature.
19 S. E. Ireland 20 S. W. Ireland	Light to moderate westerly winds; mainly fair: average temperature.

GENERAL INFERENCE.

Pressure is highest near the Azores and a ridge of high pressure extends to Southwest Britain. A depression just south of Iceland will continue to fill up and a ridge of high pressure spread in from the Atlantic over the British Isles. Weather will be generally much cooler than of late, with more cloud, but it will remain dry over much of England. Elsewhere some showers are expected.

FURTHER OUTLOOK.

Fair weather for two or three days in the southern half of the country. Rather unsettled in the North.

Warm front
Cold front
Occlusion.

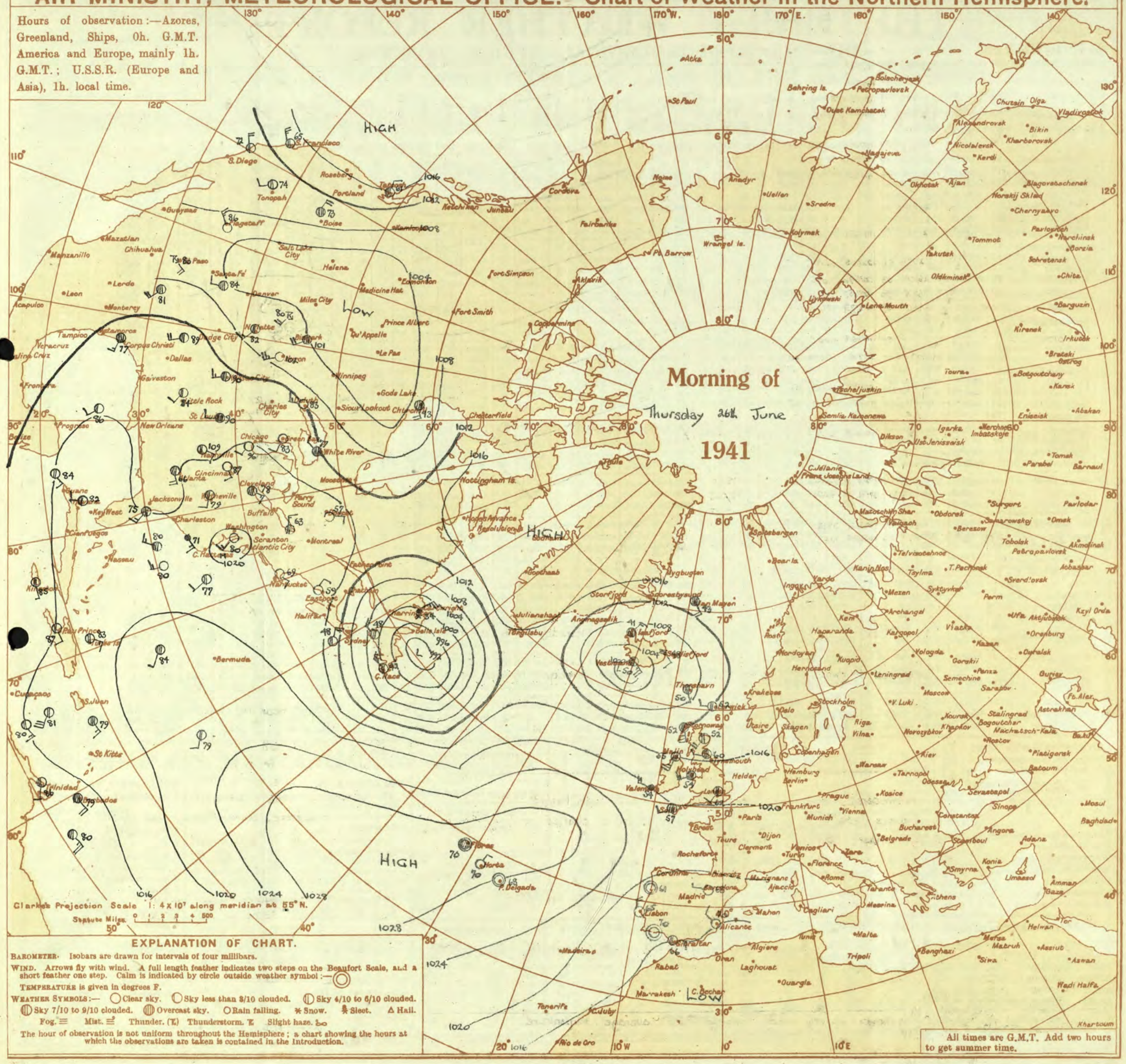
Forecasts issued at 1030 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.
G.266.Wt.8178.D.6034.Gp.948.9300.5/41

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 two hours to get summer time.

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 26th June, 1941

No. 29,071

OBSERVATIONS at 1 hr. G.M.T. 26th June

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	1019·1	+6	WSW	2	bc	62	85	8	5	–	–	2-3	2-3	4000
	S. Farnborough	226	1019·8	+12	WSW	1	bc	58	85	8	–	3	–	0	2-3	–
	Boscombe Down	417	1020·3	+12	W'N	2	c	57	85	7	5	–	–	9	9	3000
	Thorney Island	10	1019·6	+6	NW'W	1	c	62	85	7	5	–	–	9+	9+	2500
	Lympne	346	1019·3	+4	WNW	2	b	60	92	8	–	7	–	0	1	–
	Manston	154	1018·4	+4	W'N	2	bc	63	85	7	5	3	–	2-3	2-3	3000
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1018·1	+6	W'N	2	b	64	83	7	–	–	–	0	0	–
	Gorleston	5	1018·1	+6	NW'W	2	z_0	65	65	6	–	–	–	0	0	–
	Mildenhall	19	1018·1	+10	SW	1	bc	60	75	7	5	–	–	2-3	2-3	3000
	Cranwell	240	1017·8	+8	WNW	3	c	62	85	7	5	–	–	9	9	3500
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1018·6	+6	WSW	1	bc	55	92	7	5	–	–	4-6	4-6	3500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1019·5	+6	W	4	c	58	97	8	5	–	–	9	9	2500
	Bristol	209	1020·4	+10	W	2	c	57	92	8	5	3	–	7-8	9+	2000
	Portland Bill	32	1020·4	+16	SW	3	c	58	85	8	5	–	–	10	10	2500
	Plymouth	82	1021·3	+8	W'S	1	c	57	92	8	5	–	–	9	9	7200
	The Lizard	240	1020·9	+2	W'N	2	c	56	97	7	8	2	–	7-8	10	1500
	Scilly (St. Mary's)	163	1021·1	+6	WSW	2	c	57	97	7	8	7	–	4-6	9+	1500
	Guernsey	175														
6	Pembroke	142	1019·4	–6	SW'W	3	c	56	97	7	8	–	3	9+	9+	2500
7	~~Holyhead~~ Valley	26	1017·7	+10	WSW	3	o/d	54	97	6	5	–	–	10	10	2000
	Chester (Sealand)	16	1017·8	–6	S'E	4	z_0	57	89	6	5	7	–	7-8	9	3000
8	Manchester	70	1018·1	+6	—	0	z_0	54	92	5	5	7	–	4-6	9	3500
10	Spurn Head	29	1017·6	+4	N	2	z_0	54	85	6	5	–	–	4-6	4-6	4000
	Catterick	175	1017·3	+6	SW	1	c	57	85	7	5	7	–	2-3	9+	2200
	Tynemouth	108	1016·4	+8	W	2	c	60	75	6	8	–	–	9+	9+	2500
11	St. Abbs Head	280	1014·7	+12	WSW	5	c	56	85	8	4	5	–	4-6	7-8	2500
	Leuchars	36	1014·5	+10	N	1	c	55	92	7	5	–	6	1	9	2500
12	Renfrew (Abbots I.)	19	1015·0	+10	—	0	c	51	97	6	8	–	–	7-8	7-8	1800
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1016·6	+12	WSW	2	bc	53	85	8	4	4	8	1	2-3	3000
13A	Tiree	22	1012·0	+2	SSE	4	c•	54	92	7	5	–	–	9+	9+	1800
13B	Stornoway	80	1010·1	+6	S	5	c	52	92	7	5	7	–	7-8	9+	2000
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	119	1012·1	+10	SSW	3	b	52	92	9	5	4	1	Tr	Tr	5700
16	~~Lerwick~~ Sumburgh	136	1012·5	+10	W	2	bc	50	97	8	5	3	–	2-3	4-6	3000
17	Blacksod Point	18	1015·0	+4	SW	5	d_0d_0	55	92	7	6	–	–	10	10	800
18	Malin Head	84	1013·9	+6	SSW	5	c	55	85	7	6	–	–	9+	9+	2500
	Aldergrove	268	1016·5	+14	SSW	2	bc	50	85	8	5	–	–	4-6	4-6	3500
19	Birr Castle	173	1017·9	+10	WSW	1	c	51	85	8	5	–	–	10	10	4000
20	Valentia Obsy.	30	1020·3	+10	W'N	4	pr	54	85	7	8	–	–	10	10	2500
	Roches Point	22	1020·3	+16	NW'W	3	b	51	85	8	5	–	–	1	1	2500

OBSERVATIONS at 7 hr. G.M.T. 26th June

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)	1020·8	+18	WSW	1	z_0	62	75	6	5	3	1	4-6	7-8	2500	0	*
Croydon	1020·5	+10	WSW	2	c	61	85	7	5	3	–	2-3	7-8	7200	0	*
S. Farnborough	1021·0	+12	—	0	c	59	85	8	1	3	2	Tr	7-8	4000	0	*
Boscombe Down	1021·0	+10	W	2	z_0	59	85	7	5	7	8	4-6	9+	3500	0	*
Thorney Island	1020·1	+6	NW	2	bc	61	85	8	1	8	5	Tr	4-6	4000	0	
Lympne	1020·3	+8	W	1	z_0	66	75	6	5	3	–	7-8	9	4000	0	§
Manston	1019·7	+6	NW	2	z_0	67	75	6	5	–	–	0	4-6	–	0	*
Shoeburyness	1020·0	+8	NW	1	c	65	75	6	7	4	–	2-3	7-8	4000	0	*
Felixstowe	1019·3	+8	NW	2	c	65	75	7	5	5	–	2-3	7-8	5000	0	1
Gorleston	1019·3	+8	WNW	2	c	60	85	6	5	2	–	4-6	7-8	2500	0	1
Mildenhall	1019·7	+14	WSW	2	bc	59	85	7	–	4	6	0	4-6	–	0	*
Cranwell	1018·9	+10	WNW	3	c	60	85	7	5	3	2	7-8	9+	4500	0	*
Birmingham	1020·2	+8	W	1	c	58	75	8	5	–	–	9+	9+	1500	0	*
Upper Heyford	1020·0	+8	W'S	2	c	61	85	8	5	7	6	4-6	9+	3000	0	*
Ross-on-Wye	1020·0	+4	WSW	3	c	61	85	7	7	6	2	4-6	7-8	2500	0	*
Hartland Point	1021·7	+18	NW	3	bc	57	75	8	1	4	–	2-3	2-3	2500	–	
Bristol	1020·9	+6	W	3	c/d	60	92	7	8	7	2	7-8	9+	1600	0	*
Portland Bill	1021·6	+8	W	2	c	57	92	8	5	2	–	7-8	10	2500	0	2
Plymouth	1022·4	+10	NW'W	2	c	58	85	8	6	3	–	4-6	10	1200	0	3
The Lizard	1022·5	+16	NNW	3	c	56	85	8	8	6	–	7-8	7-8	2800	0	3
Scilly (St. Mary's)	1023·0	+14	NNW	2	bc	56	85	8	8	3	–	4-6	4-6	1500	1	2
Guernsey																
Pembroke	1021·6	+14	NW'W	3	bc	54	85	7	7	7	–	2-3	2-3	2500	0	3
Valley	1020·2	+14	WSW	3	c	56	75	8	5	–	–	7-8	7-8	5000	0	2
Chester (Sealand)	1019·9	+16	NW'W	3	c	57	65	8	8	–	–	7-8	7-8	4000	1	*
Manchester	1019·7	+14	WNW	7	c	57	75	7	5	–	–	9+	9+	4000	1	*
Spurn Head	1018·6	+10	WNW	2	z_0	61	85	6	5	3	1	7-8	9	7200	0	1
Catterick	1018·3	+10	N'E	1	c	66	55	8	8	6	1	4-6	7-8	2800	0	*
Tynemouth	1018·3	+12	W	3	bc	60	65	7	–	4	2	0	4-6	–	0	2
St. Abbs Head	1016·4	+12	W	3	bc	56	75	8	4	4	–	1	2-3	3000	0	2
Leuchars	1016·5	+14	WSW	3	z_0	56	85	8	5	3	–	Tr	1	3200	1	*
Renfrew (Abbots I.)	1016·8	+6	SW	3	c/d	53	85	7	5	–	–	9+	9+	2800	1	*
Eskdalemuir	1017·7	+10	SW'W	2	b	54	75	8	–	–	–	0	0	–	0	
Point of Ayre	1018·8	+8	W'S	4	b	57	85	8	4	4	–	Tr	1	2000	0	2
Tiree	1014·6	+14	SSW	4	c	55	85	8	5	–	–	9	9	2500	0	4
Stornoway	1011·0	+4	SSW	5	c/pr	54	92	8	8	7	–	4-6	9+	2500	1	3
Dalwhinnie	1015·9	+8	SW	3	id_0	50	92	7	5	–	–	9+	9+	1500	1	*
Aberdeen	1014·4	+2	SSW	3	b_0	58	75	8	7	–	8	Tr	Tr	3500	0	1
Wick	1012·5	+2	SSW	3	c	54	85	8	5	–	–	7-8	7-8	5000	0	*
Sumburgh	1013·4	+8	SSE	3	bc	53	85	8	5	3	4	2-3	2-3	5700	*	*
Blacksod Point	1018·1	+18	W'S	4	c/pr	55	92	7	5	–	–	10	10	800	0	3
Malin Head	1016·0	+16	SSW	4	c	56	92	7	2	6	–	4-6	7-8	4000	0	3
Aldergrove	1018·1	+8	SSW	2	c	53	85	7	5	–	–	9+	9+	1400	0	*
Birr Castle	1019·9	+10	WSW	2	c/r	55	92	8	6	2	–	7-8	10	1500	0	*
Valentia Obsy.	1022·0	+14	W	3	c	56	85	8	8	1	–	9	9+	2500	1	3
Roches Point	1021·8	+10	W'N	2	c	55	85	8	5	–	–	9+	9+	2500	0	4

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 25th Hrs. (36)
London (Kew)	78	60	52	–	–	14·2
Croydon	82	56	53	–	–	14·3
S. Farnborough	80	54	44	–	–	14·2
Boscombe Down	76	53	49	–	Tr	14·8
Thorney Island	75	56	52	–	–	*
Lympne	75	55	50	–	–	14·9
Manston	78	60	57	–	–	14·5
Shoeburyness	82	61	50	–	–	13·9
Felixstowe	74	61	55	–	–	13·6
Gorleston	69	57	53	–	–	*
Mildenhall	81	57	48	–	–	14·2
Cranwell	80	57	55	–	–	13·6
Birmingham	76	54	50	*	–	13·5
Upper Heyford	78	51	45	–	–	*
Ross-on-Wye	74	55	51	–	–	13·6
Hartland Point	62	55	54			11·8
Bristol	74	56	53	–	Tr	14·0
Portland Bill	64	56	*	–	–	*
Plymouth	65	56	52	–	–	12·4
The Lizard	64	53	*	–	–	8·4
Scilly (St. Mary's)	64	53	*	–	1	11·2
Guernsey						
Pembroke	61	52	*	0·1	–	4·3
Valley	*	52	44	0·1	–	*
Chester (Sealand)	74	55	53	–	0·3	7·7
Manchester	75	50	47	Tr	1	9·8
Spurn Head	68	57	*	–	–	12·5
Catterick	77	55	53	–	–	12·1
Tynemouth	73	56	52	Tr	–	*
St. Abbs Head	68	54	*	0·5	–	*
Leuchars	66	52	49	2	1	3·5
Renfrew (Abbots I.)	66	47	39	2	0·5	1·9
Eskdalemuir	60	45	41	1	Tr	0·9
Point of Ayre	66	48	*	1	Tr	2·7
Tiree	60	53	*	1	–	6·2
Stornoway	58	50	*	0·5	Tr	5·4
Dalwhinnie	59	46	37	2	0·1	0·9
Aberdeen	60	51	45	1	Tr	9·0
Wick		50	46	*	*	*
Sumburgh	*	*	*	*	*	*
Blacksod Point	61	52	*	3	1	*
Malin Head	62	51	*	2	Tr	7·0
Aldergrove	69	48	39	1	–	5·9
Birr Castle	66	48	42	1	Tr	5·8
Valentia Obsy.	61	52	50	Tr	0·5	6·7
Roches Point	64	50	*	0·3	–	*

LONDON OBSERVATIONS

Day 7h—†8h, 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.	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	bzby	bbcy	bcybz0	78	60	52	–	–	14·2	*	*	8
Croydon	217	by	bybcy	bcybcybc	82	56	53	–	–	14·3	*	*	7
Greenwich (Royal Observatory)	149	by	by	bybc	83	57	45	–	–	14·2	41	62	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	81	58	57	–			48	64	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*	82	60	56	–	–		56	59	*
Camden Square	110	b	b	*	84	61	56	–	–	*	*	67	*
Kensington	80	bbc	bc	*	83	60	54	–	–		48	61	*
Hampstead Observatory	450	bc	b	bc	80	57	51	–	–		*	67	*

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	10h 25th	<0·1	11-24h 25th

FOREIGN OBSERVATIONS.

Stations	Evening 25th June Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	Morning 26th June 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~~ Reykjavik (18h and 7h)	998·1	NNE	2	r	55	1003·7	SW	2	c	54	61	59	1	0·4
~~Brussels~~ Lisbon (18h and 7h)	1015·3	N	5	z_0	72	1016·3	NNE	3	b	72	*	61	–	–
~~Berlin~~ Madrid (18h and 7h)	—	—	—	—	—	965·6	NE	3	z_0	64	*	61	*	–
~~Zurich~~ Cairo (Heliopolis) (18h and 6h)	1015·0	NE	3	b	82	1016·8	NE	2	bc	75	–	–	–	–
Toronto (13h and 0h)	1012·7	E'N	3	bc	62	—	—	—	—	—				
~~Rome~~ Washington (13h and 0h)	—	—	—	—	—	1023·0	NW'W	3	b	80	*	*	*	*

* Pressure reduced to level of 1000 dynamic metres. † 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 " 6¼ "
- 7 Good " 12½ "
- 8 Very good " 31 "
- 9 Excellent " beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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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 27th June 1941

No. 29,572

OBSERVATIONS at 13h. G.M.T. 26th June

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)	1021.5	+2	WS	2	c	70	55	8	8	7	4	4-6	9	2500
	Croydon	1021.6	+2	W	2	c	71	65	8	1	3	2	2-3	9+	3000
	S. Farnborough	1021.6	-2	NW	2	c	71	55	8	8	6	6	4-6	9	3500
	Boscombe Down	1021.9	0	WNW	3	bc	69	55	9	2	4	-	4-6	4-6	3000
	Thorney Island	1022.1	+2	SW	3	c	70	65	8	1	7	1	1	7-8	4000
	Lympne	1021.6	+6	S	3	c	70	65	8	1	-	6	2-3	7-8	3500
	Manston	1021.1	+6	N	1	z	72	55	6	2	6	2	4-6	9	3000
2	Shoeburyness	1020.9	0	NW	3	c	74	55	7	1	3	2	2-3	7-8	4000
	Felixstowe	1020.3	-2	W	3	c	77	45	8	1	4	6	4-6	7-8	4000
	Gorleston	1020.4	+6	NNE	3	c	70	65	6	1	-	-	7-8	7-8	2200
	Mildenhall	1021.0	+6	WS	3	c	69	65	8	8	7	1	7-8	9+	3000
	Cranwell	1019.9	-2	WNW	4	c	72	55	7	8	-	·	7-8	7-8	2000
3	Birmingham	1020.7	+2	W	2	bc	69	45	8	1	-	-	4-6	4-6	2500
	Upper Heyford	1020.6	-4	S	2	c	70	65	8	8	-	8	7-8	7-8	2000
4	Ross-on-Wye	1021.0	+4	W'N	4	bc	69	55	8	1	-	-	4-6	4-6	4000
5	Hartland Point	1024.2	+10	WNW	2	bc	60	65	8	1	-	-	2-3	2-3	2500
	Bristol	1022.8	+10	W	4	b	67	55	8	2	6	-	Tr	Tr	3000
	Portland Bill	1022.4	+2	W	3	c	59	85	8	1	-	-	7-8	7-8	2500
	Plymouth	1024.5	+12	NW'W	3	c	67	55	8	1	-	-	7-8	7-8	3000
	The Lizard	1024.5	+6	WNW	3	bc	63	75	8	2	6	-	4-6	4-6	3500
	Scilly (St. Mary's)	1025.1	+10	NW	3	bc	64	55	8	8	-	4	2-3	2-3	1800
	Guernsey														
6	Pembroke	1025.0	+10	WSW	3	bc	59	85	8	1	4	1	2-3	4-6	4000
7	~~Holyhead~~ Valley	1022.2	+10	SSW	4	b	60	75	8	2	6	-	Tr	1	4000
	Chester (Sealand)	1021.4	+8	NNW	4	bc	64	45	8	4	-	-	4-6	4-6	4000
8	Manchester	1021.3	+6	W	4	bc	67	45	8	1	-	-	2-3	2-3	3700
10	Spurn Head	1019.7	0	SE	2	z	68	75	5	8	6	-	4-6	7-8	2500
	Catterick	1019.8	+6	W	3	bc	68	45	9	1	-	-	2-3	2-3	2500
	Tynemouth	1018.9	+4	NW	4	bc	67	55	8	2	-	-	2-3	2-3	3600
11	St. Abbs Head	1017.8	+10	WNW	2	c	58	75	9	5	4	-	4-6	7-8	2500
	Leuchars	1017.4	+6	W	4	c	66	65	9	8	-	-	7-8	7-8	3000
12	Renfrew (Abbots I.)	1019.2	+12	SW'W	3	c	62	65	8	8	7	-	7-8	10	2000
	Eskdalemuir	1019.7	+8	SW'W	3	ir_o	56	85	8	5	-	-	10	10	1500
	Point of Ayre	1020.8	+6	W'S	4	c	67	55	8	2	7	-	2-3	9+	3000
13A	Tiree	1017.9	+10	SW	5	c	59	75	8	5	3	-	4-6	7-8	2500
13B	Stornoway	1013.2	+14	SW	6	c/pr	56	85	8	8	7	-	9	10	1800
15	Dalwhinnie	*	+8	SW	4	c	58	65	8	5	1	-	2-3	9	2500
	Aberdeen	1015.6	+6	WSW	4	bc	69	45	9	1	4	-	2-3	4-6	3500
	Wick	1014.6	+10	SW'S	3	c	61	75	9	5	7	-	9	9+	3000
16	~~Lerwick~~ Sumburgh	1014.6	+10	SW'S	3	o	54	85	8	5	7	-	2-3	9+	3500
17	Blacksod Point	1020.7	+6	W	5	c	57	85	8	-	7	-	0	9	-
18	Malin Head	1018.7	+8	W	4	c	57	85	8	8	9	-	4-6	7-8	4000
	Aldergrove	1020.6	+10	W	3	ir_o	60	65	8	7	2	-	9+	10	1800
19	Birr Castle	1022.0	+6	WSW	2	c	62	65	8	8	1	-	7-8	9	1500
20	Valentia Obsy. †	1024.6	+10	W'N	3	c	59	75	8	8	-	4	9	9+	2500
	Roches Point	1023.6	+6	NW'W	3	c/pr	60	75	9	8	1	-	7-8	9	1500

OBSERVATIONS at 18h. G.M.T. 26th June

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)	1021.2	0	NW'W	3	bc	75	45	8	7	5	1	4-6	4-6	1500	0	*
Croydon	1021.2	-2	W	2	bc	73	55	8	2	-	5	4-6	4-6	3000	0	*
S. Farnborough	1021.6	+4	W'N	4	bc	73	45	8	8	4	1	4-6	4-6	4000	0	*
Boscombe Down	1022.7	+6	W'N	4	b	65	45	9	-	-	-	0	0	-	0	*
Thorney Island	1021.6	0	SW	3	b	68	65	8	1	6	1	1	1	4000	0	*
Lympne	1021.2	0	-	0	c	72	65	7	8	-	8	7-8	9+	3500	0	§
Manston	1021.2	+2	-	0	z	70	65	6	4	-	6	Tr	9	4500	0	*
Shoeburyness	1020.9	0	WNW	2	c	73	55	8	8	3	1	2-3	7-8	4000	0	*
Felixstowe	1020.9	+4	ENE	3	c	66	75	7	1	-	8	Tr	7-8	4000	0	2
Gorleston	1021.3	-6	SSE	1	bc	62	75	6	-	7	8	0	4-6	-	0	1
Mildenhall	1020.4	0	W	2	c	72	55	8	2	6	1	4-6	7-8	3500	0	*
Cranwell	1020.4	+2	WNW	4	bc	72	55	7	1	-	-	2-3	2-3	3000	0	*
Birmingham	1022.0	+8	WNW	3	b	67	35	8	1	-	-	Tr	Tr	4000	0	*
Upper Heyford	1021.1	+6	W	3	bc	70	55	8	7	-	-	4-6	4-6	3000	0	*
Ross-on-Wye	1022.3	+6	WNW	4	b	65	45	9	1	-	-	1	1	4000	0	*
Hartland Point	1025.0	+4	WNW	3	bc	59	75	8	1	-	4	2-3	2-3	2500	0	5
Bristol	1023.0	-2	W	4	b	63	55	9	1	-	-	Tr	Tr	3000	0	*
Portland Bill	1023.0	+2	SW	3	bc	59	85	8	1	-	-	4-6	4-6	2500	0	2
Plymouth	1025.4	+8	NW	3	bc	63	55	8	7	-	5	4-6	4-6	3000	0	3
The Lizard	1025.5	+2	NW	5	bc	61	65	8	7	4	4	4-6	4-6	3500	0	3
Scilly (St. Mary's)	1026.4	+4	NW'N	3	bc	61	75	6	8	3	4	2-3	4-6	2000	0	2
Guernsey																
Pembroke	1024.8	+8	WNW	4	bc	57	92	8	1	7	4	2-3	4-6	4000	0	3
Valley	1023.4	+8	SW	4	c	56	85	8	8	7	-	7-8	10	3000	*	*
Chester (Sealand)	1022.4	+4	NNW	4	c	62	65	8	5	-	-	7-8	7-8	3500	0	*
Manchester	1022.5	+10	WNW	4	bc	64	55	8	1	4	-	2-3	2-3	3500	0	*
Spurn Head	1019.8	0	SSE	1	bc	62	85	6	7	6	-	4-6	4-6	2500	0	1
Catterick	1021.2	+4	WNW	3	bc	65	55	8	1	-	-	2-3	2-3	2500	0	
Tynemouth	1020.8	+6	WNW	3	bc	67	45	8	2	-	-	2-3	2-3	3400	0	2
St. Abbs Head	1018.9	+4	NW	3	c	62	75	9	5	4	-	4-6	7-8	2500	0	2
Leuchars	1018.9	+10	W	5	c	63	65	8	8	3	-	4-6	7-8	3500	0	*
Renfrew (Abbots I.)	1020.6	+6	WSW	4	c	59	65	8	8	7	-	4-6	7-8	3000	0	*
Eskdalemuir	1021.2	+8	W'N	2	c	56	85	8	5	-	-	10	10	1500	1	*
Point of Ayre	1022.5	+4	W'N	5	r_or_o	59	75	8	8	7	-	7-8	10	2000	1	3
Tiree	1020.8	+12	SW'S	4	c	56	85	8	8	3	-	9	9	1800	0	5
Stornoway	1015.6	+10	SSW	6	pr	54	85	7	8	7	-	7-8	10	2000	1	3
Dalwhinnie	1019.4	+10	SW	3	c	58	65	8	9	-	6	7-8	9+	1500	0	*
Aberdeen	1017.4	+10	WSW	3	c	66	45	8	5	-	-	7-8	7-8	3200	0	1
Wick	1016.2	+8	SW	3	c	60	75	9	5	7	1	7-8	9+	2500	0	*
Sumburgh	1015.8	+8	S'W	3	c	54	85	8	5	-	-	9	9	2500	*	*
Blacksod Point	1023.2	+12	W	5	c	57	85	8	-	7	-	0	10	-	0	4
Malin Head	1020.6	+10	W	5	c	57	92	8	4	8	2	4-6	7-8	4000	0	4
Aldergrove	1022.3	+10	W'N	3	c	59	65	8	7	-	-	9+	9+	3000	0	*
Birr Castle	1024.5	+10	WSW	3	c	59	75	8	5	1	-	7-8	10	2500	0	*
Valentia Obsy. †	1027.1	+14	WNW	3	c/pr	57	85	8	8	-	-	9+	9+	5700	0	3
Roches Point	1025.3	+10	NW'N	3	c	59	75	9	8	1	-	7-8	9+	1500	0	4

PAST 24 HOURS.

Stations	Weather 7h.–13h. 26th (37)	Weather 13h.–18h. 26th (38)	Weather 18h. 26th to 1h. 27th (39)	Weather 1h.–7h. 27th (40)
London (Kew)	czcz	cbcy	bccy	cbcz_o
Croydon	bcc⊕	cy	bcyb,c	bwbcb
S. Farnborough	cy	ccy	bcybw	wbbcb
Boscombe Down	cm_obc	bc,b,y	b	b
Thorney Island	cbc	cbcb	b	b
Lympne	czcbc	bcc	cm_ocbcb	bbc
Manston	bccz_oy	czyc	cz_opr_obc	bcm_ocm_o
Shoeburyness	cm_obcz	czbcy	bcycm_o	cm_obcz_o
Felixstowe	cbc,y	cyc	bccpr_ob	b,c
Gorleston	bccz_o	bcz	bcz_o	bcz_oc
Mildenhall	bcc	cbcycy	cybc	bccbz_o
Cranwell	cbcy	bcy	bcy,bm_o	bm_obc
Birmingham	cbc	bcb	b	bbc
Upper Heyford	cbcc	cbcy	bcycbc	bcb
Ross-on-Wye	bccbc	bcy	bvbbcc	cbcc
Hartland Point	bc	bc	bc	bccbc
Bristol	cd_ocbc	by	b,bw	bw,cw
Portland Bill	c	bcbc	b	bcc
Plymouth	cbcbcy	bcy	bcy b	b,wbccw
The Lizard	cbc	bc	bcw	bc
Scilly (St. Mary's)	bccbcy	bc	bc	bccp_obc
Guernsey				
Pembroke	bc	bc	cbcc	bc
Valley	bcb	bccpr_o	c	cbc
Chester (Sealand)	bcy	bcyc	ccm_o	
Manchester	cbcy	bbcby	bcycm_o	cm_o
Spurn Head	cm_o	cbcz	bcb	bcbc
Catterick	bcy	bcy	bcyc	cbc
Tynemouth	bc	bc	bcc	bc
St. Abbs Head	bcc	c	cbc	bc
Leuchars	bm_obc	bccyc	cbcbc	cbc
Renfrew (Abbots I.)	ccm_oc	c	cbccbc	bcc
Eskdalemuir	bccir_o	r_oc_oc	cir_oc	c
Point of Ayre	c	cr_or_o	c	c
Tiree	cbc	c	cr_oc	c
Stornoway	cpr_o	cpr_o	cpr_o	cpr
Dalwhinnie	cid_o	c	*	cid_o
Aberdeen	bbc	bccbcy	bcybc	bc
Wick	c	r	c	r
Sumburgh	c	c	r	r
Blacksod Point	c	c	c	ir_o
Malin Head	c	c	ccpr_oc	c
Aldergrove	cir_ocir_o	cir_oc	cbcc	ccid_oc
Birr Castle	cir_oc	c	·	c
Valentia Obsy. †	cpr_oc	cpr_oc	cpr_oc	c
Roches Point	cpr_oc	c	bcc	cbcc

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.*

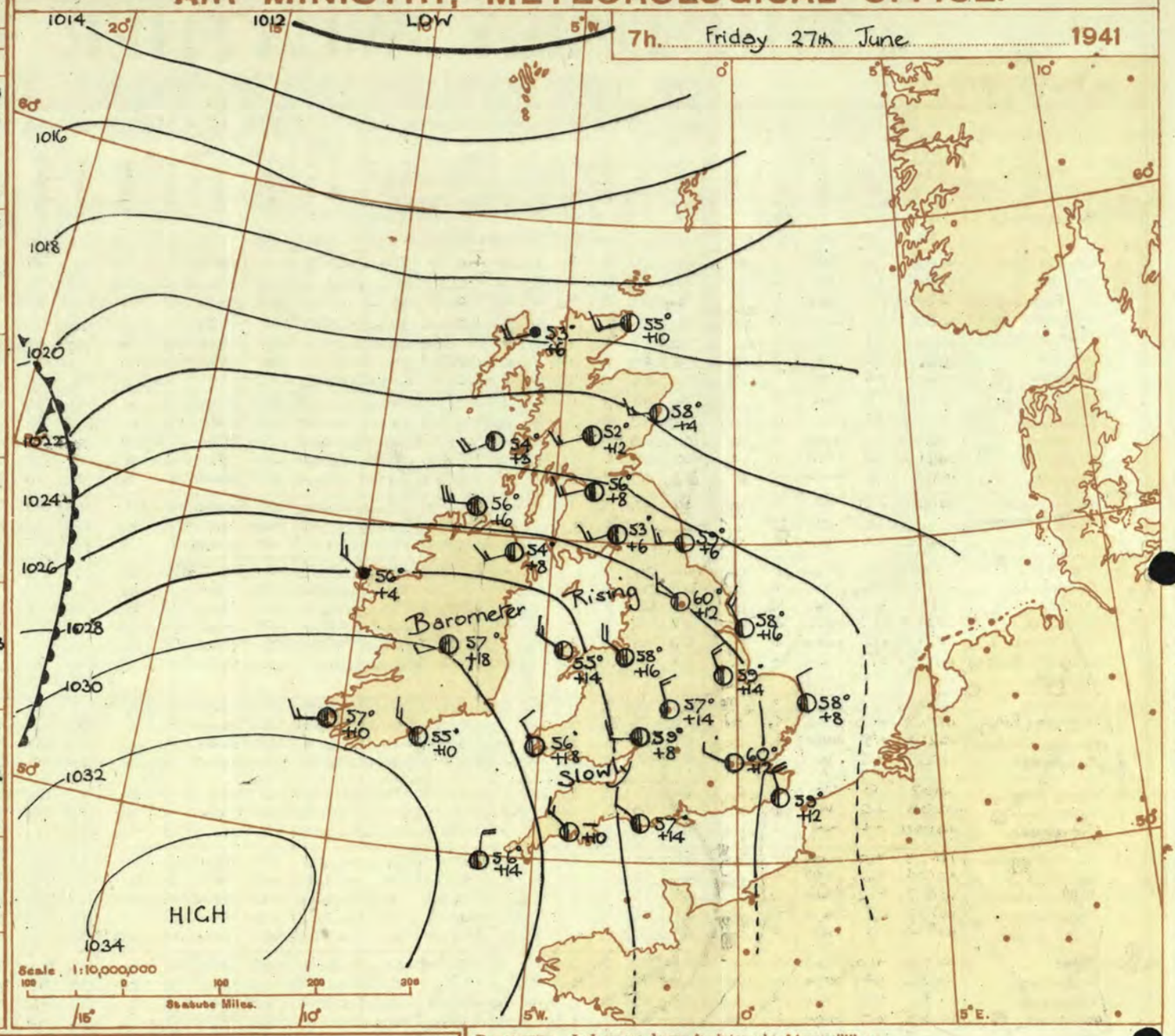
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Friday 27th June 1941

Abridged observations of additional stations in the AVIATION WEATHER CODE

III	13h. G.M.T. 26th June ... 18h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN	01h. G.M.T. 27th June ... 07h. G.M.T. $C_L C_M$	wwVhN$_h$	DDFWN	$C_L C_M$	wwVhN$_h$	DDFWN
109	57	02874	19585	57	02866	21326	6-	51648	19428	5-	22648	23558
115	52	81835	20588	57	02844	18237	--	48109	20489	5-	67109	20469
203				5-	02837	20567	6-	03838	18468			
206	87	02965	20325	87	02854	27325	83	02855	20327	53	02846	24327
210	74	02964	54520	54	02964	22525	53	01864	19325	8-	02856	21426
220	53	02854	20417	52	03845	25418				52	03735	23428
230	87	02754	20567	83	02844	20427	82	10245	20468	52	02846	20427
245	20	01865	20415	84	02975	22425	54	01763	23314	84	01863	22414
260	84	02866	22416	83	02855	22327	54	02864	20325	8-	02744	20426
277												
279	70	01864	19314	5-	02877	21327				87	02855	24327
285										23	01744	26515
288	20	01963	21413	10	01865	25315	5-	02867	20127	12	00863	23213
273	46	02654	24218									
301	10	00862	24502	55	01853	24514	5-	02867	25327	74	02862	26315
321	8-	05665	23225	03	05690	26312	03	05690	28201	03	05690	26203
299				70	05652	18202	50	05653	26213	5-	02745	26215
292	10	01862	24402	14	00961	25301	5-	02755	00015	80	00851	26311
310	--	01644	24314							--	01635	26315
316	50	01764	24424	13	01763	24113	04	05690	28201	03	02690	26126
333	8-	01964	20314	33	02954	25317	5-	01855	26225	2-	01842	26314
334	--	01864	22314							--	02654	28215
340	2-	01963	22353	20	01963	30313	5-	02877	28117	20	00962	28223
136	1-	05653	02314	26	01764	22215	56	05664	28215	10	05662	29412
336	13	01763	26414							14	01762	26413
350	20	02864	22227	26	02864	28228	50	01764	28214	04	05690	28212
368	14	00861	24411							70	01761	24213
379				10	01853	22313	50	01763	28303	04	01890	28302
390				23	01764	24114	50	05663	28313	50	01764	28214
382	8-	02855	22225	16	00861	24301	50	00861	28101	03	00990	26202
438	53	02753	24415							70	01754	02514
430	57	02862	22422	20	00861	20312	50	00861	28201	00	00890	28200
409	50	01854	29314	80	01853	29314	83	02854	23225			

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 27th June
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light to moderate northwest winds, backing slowly west; fair or fine; average temperature to rather warm.
7 North Wales ... 8 N.W. England	Moderate westerly winds; mainly cloudy, probably with some light rain or drizzle; average temperature
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light to moderate west to southwest winds; mainly cloudy but brighter periods at first; some slight local rain later; average temperature
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	Winds backing southwest, becoming fresh to strong at times on the coast; occasional rain or drizzle; average temperature.
17 N. W. Ireland 18 N. E. Ireland	Moderate to fresh west to southwest winds; mainly cloudy, some occasional rain or drizzle; average temperature.
19 S. E. Ireland	As 1-6
20 S. W. Ireland	As 17-18

GENERAL INFERENCE.

A rather intense anticyclone centred to southwest of the British Isles will become stationary. Secondary disturbances are moving northeast on the Atlantic towards the Faeroes area. Weather will continue fair in the southern half of the country but will be rather unsettled with some rain in the North.

FURTHER OUTLOOK.

Continuing fair in southern England.

Warm Front
Cold Front
Occlusion

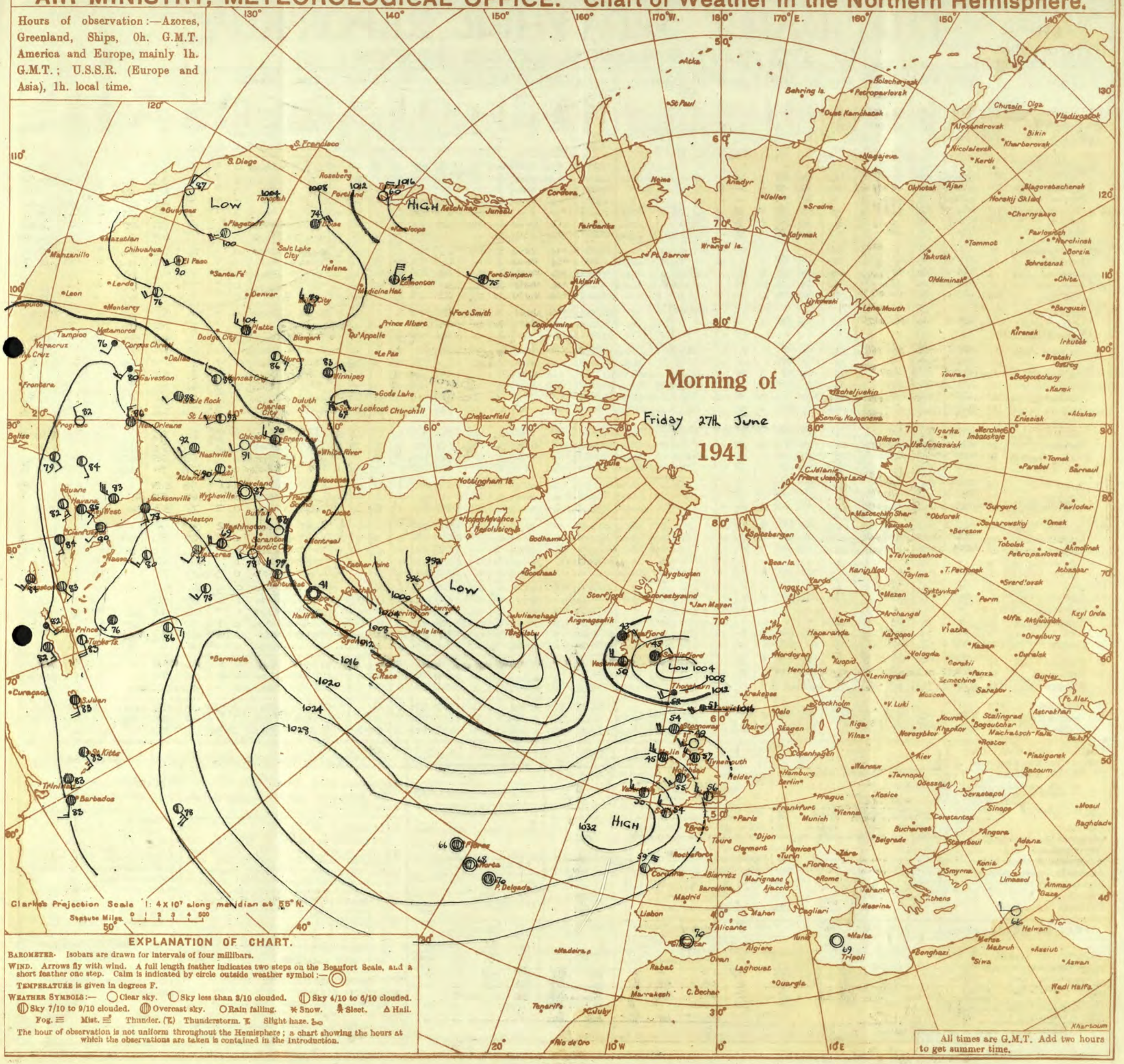
Forecasts issued at 10.30 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266. Wt. 8176. D. 6034. Gp. 942. 9300. 5/41

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 two hours to get summer time.

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday 27th June, 1941
No. 29,072.

OBSERVATIONS at 1 hr. G.M.T. 27th June

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	1024·5	+14	WNW	3	bc	56	85	7	5	-	-	4-6	4-6	4000
	S. Farnborough	226	1025·2	+8	W'N	1	bc	53	85	8	-	3	-	0	2-3	-
	Boscombe Down	417	1025·8	+8	WNW	3	b	51	97	7	-	-	-	0	0	-
	Thorney Island	10	1024·7	+6	NW'W	3	b	53	85	8	5	-	-	Tr	Tr	5700
	Lympne	346	1022·8	+2	N	2	b	57	85	7	5	-	-	1	1	1500
	Manston	154	1022·7	+2	WNW	2	bc	62	75	7	5	-	-	2-3	2-3	2800
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1022·9	+8	NW'W	2	b	63	75	7	4	-	-	Tr	Tr	4500
	Gorleston	5	1023·2	+8	NNE	1	bc	58	85	6	7	-	-	4-6	4-6	2000
	Mildenhall	19	1023·5	+14	NNW	3	bc	58	75	7	5	-	-	4-6	4-6	3000
	Cranwell	240	1024·6	+8	NW'W	3	z0	54	85	6	-	-	-	0	0	-
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1025·0	+10	NW'W	2	bc	53	85	8	-	5	-	0	4-6	-
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1027·4	+8	NW	2	bc	56	92	8	4	-	-	4-6	4-6	2500
	Bristol	209	1026·3	+10	—	0	b	53	85	8	4	-	-	Tr	Tr	3500
	Portland Bill	32	1025·7	+10	NW	3	bc	56	92	8	5	-	-	4-6	4-6	2500
	Plymouth	82	1028·0	+6	WSW	1	b	52	97	7	1	-	-	Tr	Tr	3000
	The Lizard	240	1028·2	+12	NW'N	4	bc	53	97	8	8	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1028·7	+8	N'W	3	bc	54	85	8	8	-	-	4-6	4-6	1500
	Guernsey	175														
6	Pembroke	142	1027·6	+6	NW	4	c	55	85	7	8	6	-	9+	9+	3000
7	~~Holyhead~~ Valley	26	1026·0	+10	WSW	3	c	55	92	8	5	-	-	9+	9+	3500
	Chester (Sealand)	16	1025·3	+10	WNW	3	z0	59	65	6	5	7	-	4-6	10	2000
8	Manchester	70	1025·5	+6	W'N	3	z0	55	92	6	5	-	-	9+	9+	3000
10	Spurn Head	29	1023·4	+4	WNW	4	bc	57	85	7	5	4	-	2-3	2-3	4000
	Catterick	175	1024·3	+10	WNW	1	c	57	85	7	5	-	-	9+	9+	2200
	Tynemouth	108	1023·6	+12	NW	3	c	57	65	6	8	-	-	9+	9+	4000
11	St. Abbs Head	280	1022·2	+12	W	4	bc	50	85	8	4	4	-	2-3	2-3	2500
	Leuchars	36	1021·7	+10	WSW	2	c	54	85	8	5	-	-	9+	9+	3500
12	Renfrew (Abbots I.)	19	1023·2	+8	W'S	3	c	54	85	7	8	-	-	7-8	7-8	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1025·0	+10	W	3	c	53	85	8	5	-	-	9+	9+	3000
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway	80	1018·1	+8	WSW	4	c/pr	54	92	7	8	7	-	7-8	10	1800
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	87 119	1018·1	+2	SW	4	c	54	85	8	5	-	-	9+	9+	1800
16	~~Lerwick~~ Sumburgh	~~155~~ 30	1017·0	+2	SSW	3	ir0	51	92	8	5	-	-	9+	9+	1800
17	Blacksod Point	18	1026·2	+10	W	5	c	55	92	7	5	-	-	9+	9+	2500
18	Malin Head	84	1023·9	+12	W	5	c	55	85	6	9	-	-	9	9	1500
	Aldergrove	268	1025·7	+12	W	2	c	53	85	8	5	4	-	7-8	7-8	3000
19	Birr Castle	173														
20	Valentia Obsy.	30	1029·7	+6	W'N	3	c/pr	56	85	8	8	-	-	9+	9+	4000
	Roches Point	22	1029·1	+12	WNW	3	c	54	85	8	5	-	-	7-8	7-8	2500

OBSERVATIONS at 7 hr. G.M.T. 27th June

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	+16	NNW	2	z0	60	75	6	5	-	-	2-3	2-3	2500	0	*
Croydon	1026·3	+12	WNW	3	b	60	75	7	1	8	-	Tr	1	4000	0	*
S. Farnborough	1027·3	+14	NW	3	b	57	75	7	-	-	-	0	0	-	0	*
Boscombe Down	1027·7	+10	NW	2	b	58	75	7	-	-	-	0	0	-	0	*
Thorney Island	1026·5	+14	NW	3	b	60	75	8	-	4	-	0	Tr	-	0	
Lympne	1024·8	+12	NNW	4	bc	59	75	7	5	-	-	4-6	4-6	4500	0	§
Manston	1025·2	+16	N'W	3	c	61	75	7	5	3	-	4-6	9+	3500	0	*
Shoeburyness	1025·8	+14	NNW	3	bc	60	75	6	7	-	-	4-6	4-6	4000	0	*
Felixstowe	1025·0	+14	NNW	2	c	60	75	7	5	-	-	9+	9+	3000	0	1
Gorleston	1024·8	+8	NNW	2	c	58	85	7	8	-	-	9	9	2500	0	2
Mildenhall	1026·0	+14	NW'N	2	z0	57	75	6	5	-	-	Tr	Tr	4000	0	*
Cranwell	1026·5	+14	NW'N	3	z0	59	85	6	-	3	-	0	7-8	-	0	*
Birmingham	1028·6	+14	NNW	3	bc	57	75	8	1	3	-	2-3	4-6	2500	0	*
Upper Heyford	1026·8	+10	NW	3	b	59	75	7	-	4	-	0	Tr	-	0	*
Ross-on-Wye	1027·3	+8	W	2	c	59	75	8	7	-	1	4-6	7-8	4000	0	*
Hartland Point	1029·5	+16	NNW	4	bc	56	85	8	2	3	-	2-3	4-6	2500		
Bristol	1027·9	+10	W'N	2	c	60	75	8	5	3	8	Tr	7-8	3500	0	*
Portland Bill	1027·7	+14	NW	2	c	57	85	8	1	-	-	7-8	7-8	2500	0	2
Plymouth	1029·4	+10	NW	3	bc	57	85	8	1	-	2	Tr	4-6	3000	0	2
The Lizard	1030·9	+2	NW	2	bc	57	92	8	8	6	-	4-6	4-6	2500	0	2
Scilly (St. Mary's)	1030·6	+14	N	4	bc	56	85	8	8	4	-	4-6	4-6	1500	1	2
Guernsey																
Pembroke	1031·1	+18	NW	2	bc	56	85	8	1	6	5	Tr	2-3	4000	0	3
Valley	1028·4	+14	WNW	3	c	55	92	8	2	3	6	2-3	7-8	3000	0	2
Chester (Sealand)	1027·9	+6	NW'W	4	c	58	75	8	8	-	-	4-6	7-8	3500	0	*
Manchester	1027·4	+12	W'S	2	c	58	85	7	8	4	1	7-8	9	2800	0	*
Spurn Head	1025·3	+16	NW'N	3	z0	58	85	6	7	4	-	2-3	2-3	4000	0	1
Catterick	1026·3	+12	WNW	2	bc	60	65	9	5	-	1	2-3	4-6	4500	0	*
Tynemouth	1025·2	+6	W	3	bc	59	75	7	2	-	-	2-3	2-3	4000	0	2
St. Abbs Head	1022·2	+2	W	4	bc	57	75	9	4	4	8	2-3	2-3	2500	0	2
Leuchars	1022·5	+6	WSW	4	c	57	85	8	5	7	9	4-6	7-8	4000	0	*
Renfrew (Abbots I.)	1024·5	+8	W'S	3	c	56	85	8	6	-	-	9+	9+	1400	0	*
Eskdalemuir	1025·2	+6	W'S	3	c	53	75	8	5	-	-	9+	9+	1500	1	*
Point of Ayre	1027·1	+8	NW'W	4	c	55	85	8	5	7	-	4-6	9+	4000	0	3
Tiree	1023·4	+6	SW'W	4	c	54	85	7	5	-	-	9+	9+	1500	0	4
Stornoway	1020·0	+6	WSW	4	pr	53	92	6	8	7	-	7-8	10	2000	1	2
Dalwhinnie	1023·1	+12	WSW	3	c	52	85	7	5	-	-	9+	9+	1500	1	*
Aberdeen	1021·2	+4	W	3	bc	58	75	8	8	-	-	2-3	2-3	3300	0	1
Wick	1019·5	+10	W'S	3	c	55	92	8	5	-	-	9+	9+	2000	0	*
Sumburgh	1017·6	+6	SW'W	3	rr	50	97	6	5	-	-	10	10	400	*	*
Blacksod Point	1027·5	+4	WNW	3	ir0	56	85	7	6	-	-	10	10	1500	1	4
Malin Head	1024·9	+6	W	5	c	56	85	7	9	-	-	9+	9+	1500	0	4
Aldergrove	1027·4	+8	WSW	3	c	54	85	8	5	-	-	9+	9+	3500	0	*
Birr Castle	1029·9	+18	WSW	1	c	57	85	8	5	1	-	7-8	10	2500	0	*
Valentia Obsy.	1031·4	+10	W'S	3	c	57	85	8	8	-	-	9+	9+	4000	0	3
Roches Point	1031·0	+10	WNW	3	c	55	85	8	5	3	-	4-6	9	2500	0	3

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 26th Hrs. (36)
London (Kew)	75	57	41	-	-	9·0
Croydon	75	52	48	-	-	9·5
S. Farnborough	75	49	43	-	-	10·0
Boscombe Down	71	47	37	-	Tr	7·8
Thorney Island	71	50	45	-	-	*
Lympne	74	54	49	-	-	10·8
Manston	73	58	56	-	-	10·0
Shoeburyness	76	56	50	-	-	8·1
Felixstowe	78	56	54	-	Tr	12·7
Gorleston	71	56	53	-	-	*
Mildenhall	75	52	44	-	-	5·9
Cranwell	75	51	47	-	-	9·7
Birmingham	71	52	42	*	-	9·8
Upper Heyford	73	49	45	-	Tr	*
Ross-on-Wye	71	50	44	-	-	11·9
Hartland Point	63	54	51	-		13·1
Bristol	67	47	38	-	-	11·2
Portland Bill	61	54	*	-	-	*
Plymouth	68	50	43	-	-	9·4
The Lizard	64	51	*	-	-	11·8
Scilly (St. Mary's)	65	54	*	-	Tr	12·2
Guernsey						
Pembroke	60	52	*	-	0·3	13·4
Valley	61	50	40	*	-	*
Chester (Sealand)	66	55	49	-	-	10·6
Manchester	69	51	45	-	-	10·8
Spurn Head	70	55	*	-	-	5·5
Catterick	68	55	52	-	-	14·0
Tynemouth	70	53	50	-	-	*
St. Abbs Head	*	*	*	-	-	*
Leuchars	68	52	48	-	-	10·2
Renfrew (Abbots I.)	62	53	52	-	-	1·5
Eskdalemuir	57	42	34	1	Tr	3·1
Point of Ayre	67	51	*	Tr	Tr	7·7
Tiree	60	52	*	-	0·1	3·6
Stornoway	57	52	*	0·4	1	0·1
Dalwhinnie	60	48	46	Tr	0·3	3·6
Aberdeen	72	51	47	-	-	9·3
Wick	65	52	50	*	*	*
Sumburgh	*	*	*	*	*	*
Blacksod Point	60	54	*	-	Tr	*
Malin Head	59	51	*	-	0·1	2·5
Aldergrove	63	52	47	Tr	Tr	0·6
Birr Castle	63	52	48	-	-	0·9
Valentia Obsy.	60	55	52	Tr	Tr	1·9
Roches Point	63	54	*	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.	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	czcz	cbcy	bccy	75	57	41	-	-	9·0	•	•	8
Croydon	217	bcc	cy	bcyb, c	75	52	48	-	-	9·5	•	•	7
Greenwich (Royal Observatory)	149	cy	cy	cbcy	77	55	46	-	-	5·9	51	56	7
City (Bunhill Row)	—	•	•	•	•	•	•	•	•		•	•	•
Westminster (St. James' Park)	27	•	•	•	75	57	53	-			51	57	•
Regents Pk. (Botanic Gardens)‡	168	•	•	•	77	56	50	-	-		57	56	•
Camden Square	110	bc	bc	•	77	57	51	-	-	*	•	60	•
Kensington	80	bcy	bcy	•	83	56	46	-	-		51	58	•
Hampstead Observatory	450	bc	bc	bc	74	53	47	-	-		•	66	•

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	7-9h 26th	<0·1	10-22h 26th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. Evening 26th June 1941 Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. Morning 27th June 1941 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~~ Reykjavik (18h and 7h)	1005·3	NW	4	bc	57	1010·1	—	0	bc	57	59	48	-	-
~~Brussels~~ Lisbon (18h " 7h)	1015·9	N	4	b	81	1016·7	NE	2	bc	77	90	63	-	-
* ~~Berlin~~ Madrid (18h " 7h)	905·4	NE	4	b	79	907·5	ENE	3	z0	68	84		-	
~~Zürich~~ Cairo (Heliopolis) (18h and 6h)	1015·9	NNW	3	b	80	1015·0	-	0	b	69	-	-	-	-
Toronto (13h and 0h)														
~~Rome~~ Washington (13h " 0h)						1021·0	SE	3	bc	80	•	•	*	*

* Pressure reduced to level of 1000 dynamic metres. ‡ 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—glassy. 5 Rough.
1 Calm—rippled. 6 Very rough.
2 Smooth. 7 High.
3 Slight. 8 Very high.
4 Moderate. 9 Phenomenal.

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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.

Saturday 28th June

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

SECRET

BRITISH SECTION

Saturday 28th June 1941

No. 29073

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

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)	1027.3	0	NNW	3	c	69	45	8	8	-	-	9+	9+	1500
	Croydon	1026.3	-2	N	3	c	73	45	7	7	6	-	7-8	9	3000
	S. Farnborough	1027.5	+2	N'W	3	c	69	55	8	8	6	-	4-6	7-8	3000
	Boscombe Down	1028.3	+2	NNW	2	c	67	55	8	8	-	-	7-8	7-8	4000
	Thorney Island	1027.2	+2	NNW	3	bc	72	65	8	1	6	1	4-6	4-6	4000
	Lympne	1026.3	+6	N'E	3	bc	70	55	8	7	-	-	4-6	4-6	3500
	Manston	1026.5	+4	N'E	2	b	69	55	8	1	4	-	Tr	1	2500
2	Shoeburyness	1026.8	0	NNW	2	c	73	55	7	7	-	-	7-8	7-8	4000
	Felixstowe	1026.1	+2	E'S	3	bc	65	75	8	2	-	-	2-3	2-3	4000
	Gorleston	1026.9	+8	NNE	4	b	61	75	7	1	-	-	1	1	2500
	Mildenhall	1026.5	-2	NW'N	2	c	69	55	8	8	6	-	2-3	7-8	3600
	Cranwell	1026.8	0	WNW	4	c	67	55	7	8	-	-	9+	9+	2000
3	Birmingham	1028.2	+2	NW	2	c	65	45	8	7	9	-	4-6	9	2500
	Upper Heyford	1027.5	+2	NW'W	3	c	67	45	8	8	3	-	7-8	7-8	3500
4	Ross-on-Wye	1027.9	0	W	3	c	66	55	9	4	7	-	7-8	9+	4000
5	Hartland Point	1030.6	+4	NE'N	2	bc	59	75	8	1	3	3	2-3	4-6	2500
	Bristol	1028.5	-2	WSW	3	c	67	55	8	8	6	1	7-8	9+	2800
	Portland Bill	1028.6	+6	W	3	c	62	85	8	2	3	-	4-6	9	2500
	Plymouth	1030.5	+4	NNW	3	bc	65	55	8	1	3	8	2-3	4-6	4000
	The Lizard	1030.9	+6	NW'N	5	bc	61	75	8	2	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	1032.0	+6	N	3	bc	63	75	8	8	4	-	2-3	4-6	1500
	Guernsey														
6	Pembroke	1031.2	+2	NW'W	2	bc	59	85	8	7	6	-	2-3	2-3	4000
7	~~Holyhead~~ Valley	1028.8	-2	SSW	3	c	58	75	9	7	7	2	4-6	9	4000
	Chester (Sealand)	1028.2	0	NW	4	c	61	65	8	8	3	1	4-6	9+	3000
8	Manchester	1027.9	+2	W'N	4	c	62	55	8	8	3	-	7-8	9+	2500
10	Spurn Head	1026.0	-2	WNW	4	c	65	65	7	5	-	-	9	9	4000
	Catterick	1026.1	0	W'S	3	c	63	55	8	5	-	2	9	9+	4000
	Tynemouth	1025.5	+4	W	6	c	64	55	8	2	3	-	4-6	7-8	3400
11	St. Abbs Head	1024.1	+8	W	4	c	57	65	8	5	4	-	4-6	7-8	2000
	Leuchars	1023.0	+2	W	5	c	66	55	8	8	3	-	4-6	7-8	3500
12	Renfrew (Abbots I.)	1025.1	0	W	4	id_o	59	75	8	5	7	-	9	9+	2200
	Eskdalemuir	1025.8	+4	W'N	4	ir_o	55	65	8	5	-	-	10	10	1500
	Point of Ayre	1027.2	-2	W	5	c	64	55	8	1	7	-	Tr	9+	2500
13A	Tiree	1023.6	+2	SW	4	o/d	54	65	7	5	-	-	10	10	1500
13B	Stornoway	1022.0	+8	W	5	c	60	75	8	8	7	-	7-8	9+	2000
15	Dalwhinnie	1024.2	+6	SW	4	id_o	54	65	8	5	-	-	10	10	1500
	Aberdeen	1021.7	+4	WNW	4	c	65	45	8	7	4	-	7-8	7-8	3800
	Wick	1020.7	+8	W'N	4	c/pr	57	97	8	8	-	-	9+	9+	1000
16	~~Lerwick~~ Sumburgh	1018.7	+10	W'N	3	c/r	52	92	6	5	-	-	9+	9+	500
17	Blacksod Point	1027.2	+4	W'S	5	Dr	57	97	5	6	-	-	10	10	450
18	Malin Head	1024.6	-4	W	5	id_o	57	85	6	6	-	-	9+	9+	800
	Aldergrove	1027.5	0	SW'W	3	id_o	58	75	7	5	2	-	9	10	1400
19	Birr Castle	1029.4	-2	WSW	2	c/r	60	85	8	6	2	-	4-6	10	1500
20	Valentia Obsy. †	1032.1	+2	SW'S	3	d_od_o	57	92	6	5	-	-	10	10	1500
	Roches Point	1030.5	-2	SW	2	c	62	75	8	8	7	-	7-8	9+	1500

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

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)	1027.4	-2	NW'N	2	c	71	45	8	8	-	4	4-6	9	2500		*
Croydon	1026.5	+2	NW	2	c	69	55	8	7	6	4	4-6	9	3000	0	*
S. Farnborough	1027.2	0	NW'W	2	bc	70	45	8	4	-	1	4-6	4-6	3500	0	*
Boscombe Down	1027.8	0	WNW	3	bc	69	45	8	1	-	8	4-6	4-6	2000	0	*
Thorney Island	1027.3	+2	NNW	2	bc	70	55	8	4	6	1	2-3	4-6	4000	0	
Lympne	1026.8	+6	ESE	2	bc	62	75	8	7	-	1	2-3	4-6	4500	0	§
Manston	1027.0	+4	NE	2	b	63	65	7	-	-	1	0	1	-	0	*
Shoeburyness	1026.9	+6	E	2	c	64	75	7	1	7	6	Tr	7-8	4000	0	*
Felixstowe	1026.8	+2	E	2	bc	62	75	8	5	-	-	4-6	4-6	7000	0	1
Gorleston	1027.0	0	—	0	bc	61	75	7	1	-	-	4-6	4-6	2500	0	3
Mildenhall	1026.5	0	WNW	3	c	69	45	8	1	3	6	1	7-8	4000	0	*
Cranwell	1027.0	+4	NW	4	c	66	65	7	1	3	2	2-3	9	3000	0	*
Birmingham	1028.0	-2	NW	2	c	66	45	8	7	9	-	4-6	7-8	4000	0	*
Upper Heyford	1027.4	0	WNW	3	c	68	55	9	1	4	2	1	7-8	4000	0	*
Ross-on-Wye	1028.0	0	NW	3	bc	66	55	8	7	4	1	1	2-3	4000	0	*
Hartland Point	1030.5	+2	NNW	3	bc	61	75	8	1	4	3	2-3	4-6	2500	0	3
Bristol	1028.4	-2	W'N	4	bc	64	65	8	1	4	9	Tr	4-6	3000	0	*
Portland Bill	1028.2	-2	W	3	bc	60	85	8	1	-	-	4-6	4-6	2500	0	2
Plymouth	1030.6	+2	NNW	3	bc	62	55	9	1	3	2	1	2-3	4000	0	3
The Lizard	1030.6	0	NW'N	4	bc	61	65	8	7	-	-	4-6	4-6	3500	0	2
Scilly (St. Mary's)	1031.4	-2	NW'N	3	c	63	65	8	8	4	-	4-6	7-8	1500	0	2
Guernsey																
Pembroke	1030.1	-6	WS	2	c	56	97	8	8	6	-	4-6	9+	3000	0	3
Valley	1028.2	-6	SSW	4	c	56	85	8	5	-	-	10	10	3000	0	3
Chester (Sealand)	1027.6	-4	NW'N	4	c	63	55	8	5	1	-	4-6	9+	4500	0	*
Manchester	1028.0	-2	W	3	c	61	65	8	5	-	-	9+	9+	3500	0	*
Spurn Head	1026.2	0	WNW	4	c	62	65	7	5	-	-	9	9	4000	0	3
Catterick	1025.8	-6	WNW	3	c	63	55	8	5	7	-	7-8	7-8	3500	0	
Tynemouth	1025.3	-4	W	4	c	62	65	7	8	-	-	9+	9+	2100	0	2
St. Abbs Head	1024.2	+2	W	3	c	58	75	8	5	2	-	7-8	10	2000	0	3
Leuchars	1023.1	-6	W	5	c	62	65	7	7	7	9	4-6	7-8	4000	0	*
Renfrew (Abbots I.)	1024.8	-4	SW	3	c	57	85	7	8	2	-	7-8	9+	1000	0	*
Eskdalemuir	1025.2	-2	W'S	4	c	57	75	8	5	-	-	10	10	1500	1	*
Point of Ayre	1027.0	-2	W	4	c	59	85	8	5	2	-	7-8	10	1500	0	3
Tiree	1022.0	-2	SW'W	3	z_o	56	97	5	5	-	-	10	10	300	0	3
Stornoway	1022.6	+4	S	2	c	54	97	8	8	7	-	9	10	2000	1	2
Dalwhinnie	1023.9	-6	SW	3	o	54	75	8	5	-	-	10	10	1500	0	*
Aberdeen	1022.5	+6	NWW	3	c	62	55	8	7	-	-	9+	9+	4500	0	1
Wick	1021.6	0	NW'W	4	bc	58	85	8	5	-	9	4-6	4-6	3000	0	*
Sumburgh	1019.6	+6	W'N	3	c	52	92	7	5	-	-	4-6	9	400	*	*
Blacksod Point	[illegible]	+6	W	5	Dr	58	97	5	6	-	-	10	10	450	1	4
Malin Head	1024.7	+4	W	5	d_od_o	57	97	4	3	-	-	10	10	220	0	2
Aldergrove	1026.4	-8	SSW	3	d_od_o	57	97	4	6	2	-	9	10	500	1	*
Birr Castle	1028.8	-2	WSW	2	c	60	92	8	5	-	-	10	10	2500	0	*
Valentia Obsy. †	1031.7	-2	WSW	2	o/d	58	97	6	5	-	-	10	10	800	1	3
Roches Point	1028.9	-6	W	3	c	61	85	8	5	-	-	9+	9+	1500	0	3

PAST 24 HOURS.

Stations	Weather 7h.–13h. 27th. (37)	Weather 13h.–18h. 27th. (38)	Weather 18h. 27th–1h. 28th (39)	Weather 1h.–7h. 28th. (40)
London (Kew)	bcz_obccy	cy	cbc yc	bcc
Croydon	bbcy	cy	cybc, b	
S. Farnborough	bbccy	cbcy	bcw	cbcbv
Boscombe Down	bcc	cbc	bc	bcm_o
Thorney Island	bc	bcb cy	bwcbc	b
Lympne	bc	bcybc	$bcbbcm_o$	
Manston	c	byz_obcb	b,bm_o,w	bcm_owbm_o
Shoeburyness	bcz_o bc	bcy cbc	bcb	bbccbw
Felixstowe	cbc	bccbc	bc	cbc
Gorleston	bcb	bbc	$bccz_o$	$bccz_o$
Mildenhall	bz_o bccy	cybcycy	cybbc	c
Cranwell	$bcmz_ocy$	b cyc	$cbccz_om_o$	cm_o
Birmingham	bcc	cbc	bcc	$coid_o$
Upper Heyford	bbccy	cy	bcycbc	$bccd_oc$
Ross-on-Wye	cbccy	cyybcy	bccbc	c
Hartland Point	bc	bc	bcc	cid_off
Bristol	cy	cybc		bcc
Portland Bill	c	cbc	c	c
Plymouth	bc	bcyby	bcc	cm_obcc
The Lizard	bc	bc	cbc	co
Scilly (St. Mary's)	bccbc	bcc	c	cofe
Guernsey				
Pembroke	bc	bcc	cbc	cm_o
Valley	cbcc	c		$d_od_om_oc$
Chester (Sealand)	c	cbccy	cyc	$cm_od_od_o$
Manchester	ccy	cybcyc	$cm_oid_od_od_o$	d_od_o
Spurn Head	bc	bc	c	c
Catterick	bc	cy	c	$ccir_oc$
Tynemouth	bcc	c	c	c
St. Abbs Head	c	c	c	c
Leuchars	cpscbcy	bcyc	ccm_o	cm_oc
Renfrew (Abbots I.)	cir_oid_o	cid_oc	cid_ocm_o	cm_occ
Eskdalemuir	$cd_od_oir_o$	cir_oc	cod_od_o	od_oc
Point of Ayre	c	c	cd_od_o	d_od_oc
Tiree	oid	om_o	odf	fdm
Stornoway	cps	cpr_o	cpr_o	cid_o
Dalwhinnie	cid_oo	co		oc
Aberdeen	cr_obcy	bcycy	c	$ccir_o$
Wick	pr	pr	c	c
Sumburgh	r	bc	r	c
Blacksod Point	dr	dr	dd	c
Malin Head	cid_oc	cd_odc	cdf dfc	c
Aldergrove	c,ir_oid_o	—	cd_omc	cid_oc
Birr Castle	cir_o	c	cir_o	cir_oc
Valentia Obsy. †	od_od_o	odd odd	omf	fffomcm
Roches Point	cpr_oc	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.*

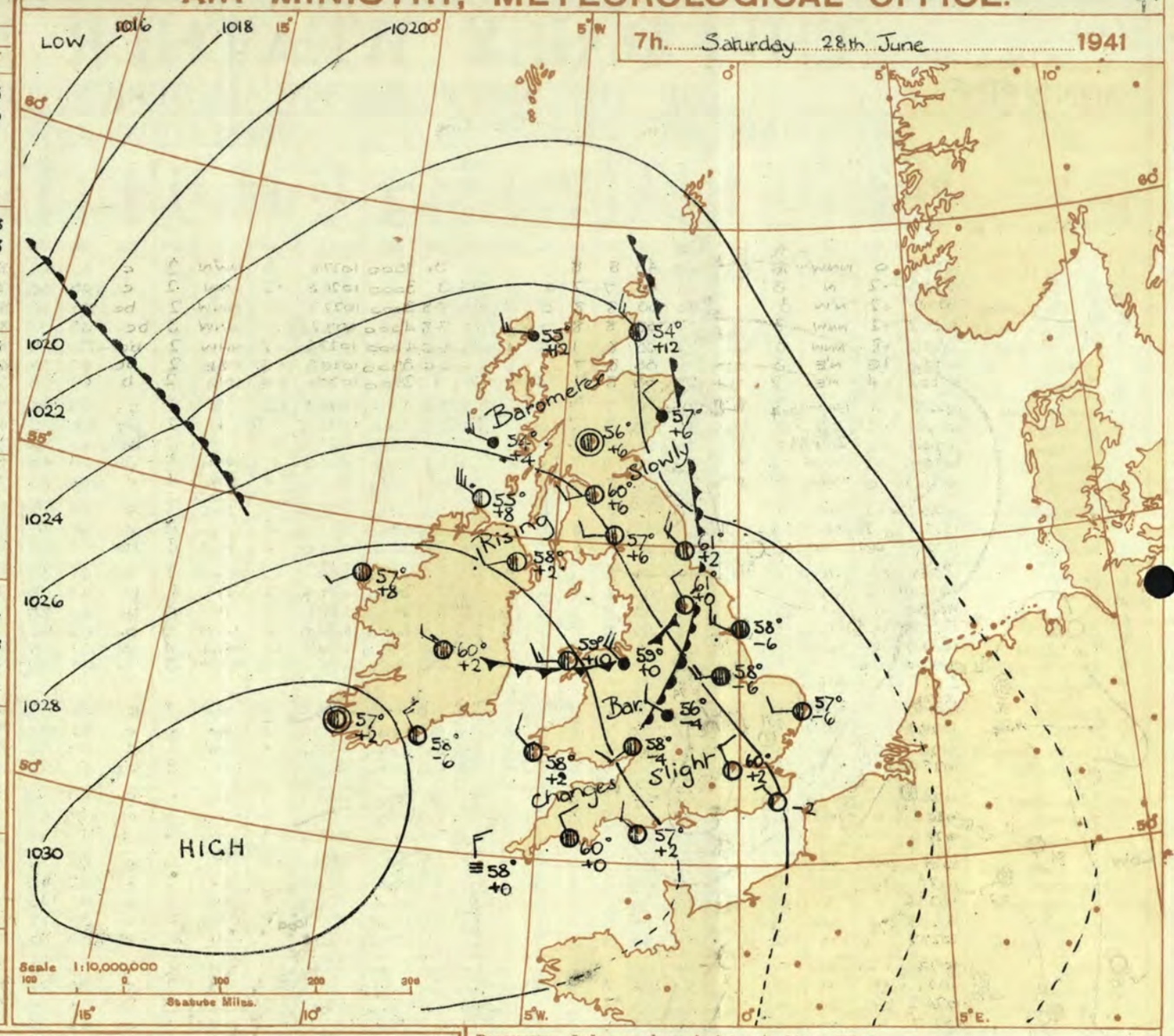
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday 28th June 1941

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 27th June			18h. G.M.T.			01h. G.M.T. 28th June			07h. G.M.T.		
IIIC$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN	C$_L$C$_M$	wwVhN$_h$	DDFWN
109 8-	02857	23527	5-	02867	24527	57	02844	25425	5-	02748	26428
115 5-	03738	20+68	53	09834	22427	--	46109	02349	--	46109	23349
203 5-	02847	20527	5-	03848	18458	5-	03838	14428			
206 83	02855	55566	83	02865	24225	5-	02858	00028	53	02955	24126
210 57	02965	24+87	5-	02967	22417	5-	21858	24158	52	02966	26358
220 52	52626	23458							5-	57408	27358
230 52	51644	20468	02	52528	20358	02	52618	20158	5-	52628	26258
245 2+	01364	23415	57	02965	24267	5-	02757	22167	57	02965	12128
260 8-	02857	20357	7-	02867	22427	5-	05648	24368	57	05657	22327
277											
279 82	02865	21327	7-	02866	20428				5-	02748	22228
285 5-	02857	24527							23	05635	24827
288 54	02856	24227	57	02867	26227	5-	02858	20128	5-	02848	26228
273											
301 27	02953	26425	57	02854	24326	52	52636	25458	5-	21628	27358
321 73	01764	57425	03	01790	26314	53	05653	25124	53	05644	26227
299 8-	02756	24216	87	02754	00016	5-	02757	24217	5-	02757	23227
292 5-	02957	24417	5-	02967	24427	53	02755	20115	5-	02847	27227
310 --	02636	26426									
316 73	02764	28327	70	02764	24225	5-	05566	16116	5-	51548	20158
333 23	02953	22327	52	02965	22328	5-	52628	00058	5-	50638	32258
334 --	02865	22327							--	03647	24228
340 43	02963	30227	47	01964	30325	5-	02858	24328	5-	21838	28358
136 86	02863	31316	16	05662	24416	03	02690	26215	57	02765	24367
336 51	02763	28418	53	02762	26318				51	02763	26327
350 70	01775	28225	40	02763	26228	07	05690	24124	52	02767	25228
368 77	02954	22426									
379 8-	02855	28315	40	01862	26314	04	01790	26213	53	51756	26217
390 80	01765	28315	76	01873	26314	50	05664	26114	53	05665	26225
382 7-	02866	28226	44	01972	30314	50	01863	00013	57	02954	26327
438									74	01763	01314
430 20	01865	28315	40	01863	30314	07	01890	00013	53	00871	02211
409 13	01853	28314	14	01853	27314	53	02745	28327	5-	05508	01358

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 28th June
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light or moderate west to west-northwest wind; mainly cloudy but some bright intervals, occasional very slight drizzle; average temperature.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Light or moderate west to west-northwest wind; cloudy, drizzle or slight rain; some coast and hill fog; average temperature.
10 N.E. England 11 S.E. Scotland	As 1-3
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 19 S. E. Ireland 20 S. W. Ireland	As 4-9

GENERAL INFERENCE.

An anticyclone is centred off Southwest Ireland and feeble troughs are moving southeast across the British Isles. There will be much cloud at times in eastern districts with some bright intervals. In western districts weather will be mainly cloudy with local drizzle and fog near western coasts. Temperature will be about the average for the season.

FURTHER OUTLOOK.

Fair in the South for two or three days; much cloud in the Northwest but little precipitation.

Warm Front
Cold Front
Occlusion

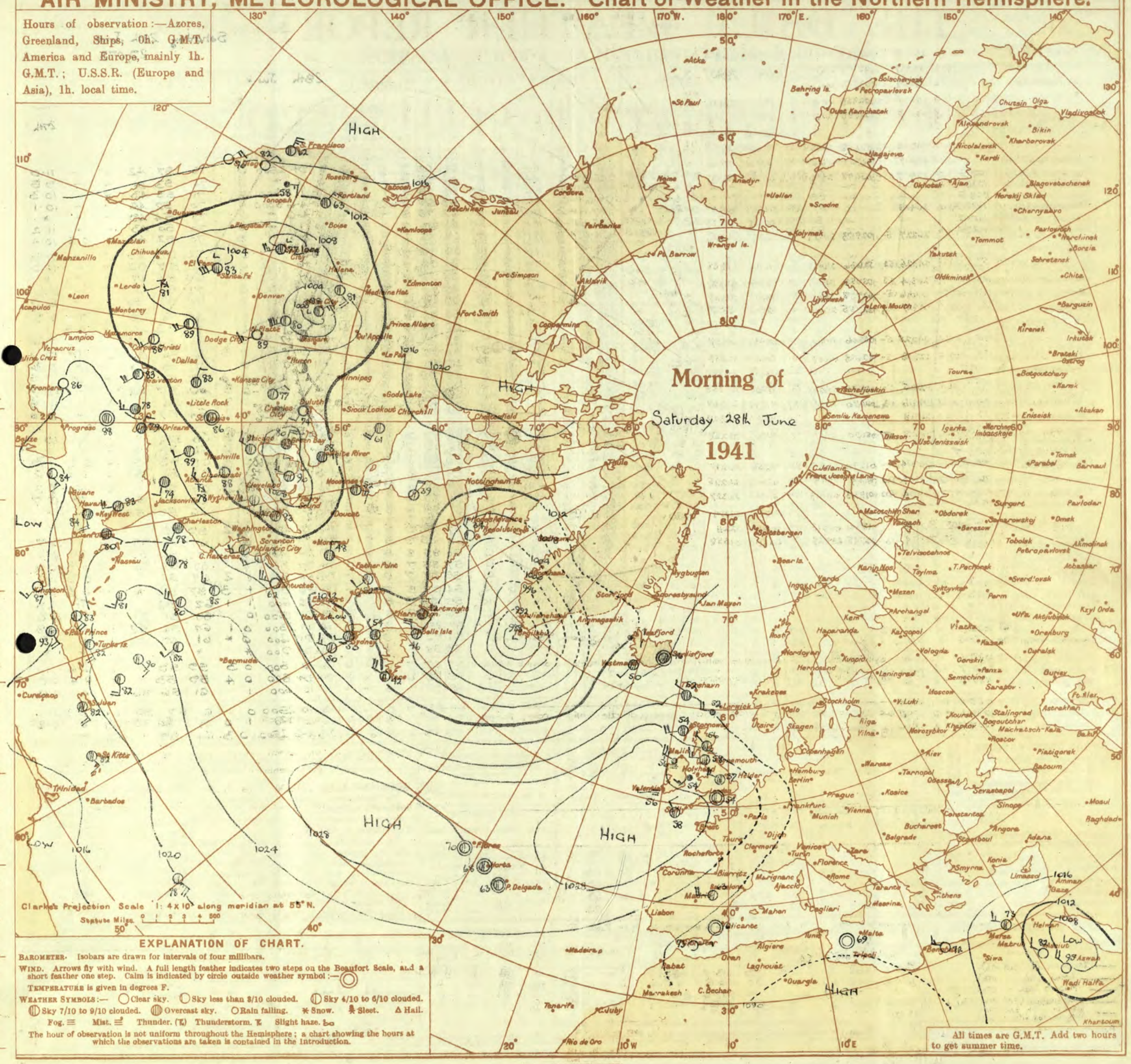
Forecasts issued at 10.00 G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266.Wt. 8178.D.6034.Gp.943 3300.5/41

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 28th June. 1941

No. 23,073.

OBSERVATIONS at 1 hr. G.M.T. 28th June

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	1027·5	+2	–	0	c	54	92	8	5	–	–	7-8	7-8	7200
	S. Farnborough	226	1028·1	+2	–	0	bc	55	85	7	–	–	2	0	4-6	–
	Boscombe Down	417	1028·5	-2	WNW	2	bc	55	85	8	–	7	1	0	4-6	–
	Thorney Island	10	1027·7	0	NW	2	bc	57	85	7	–	3	–	0	2-3	–
	Lympne ...	346	1027·2	0	W	1	Z_0	51	97	6	5	–	–	2-3	2-3	3500
	Manston ...	154	1027·4	+2	WSW	1	Z_0	53	85	6	5	–	–	1	1	6500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1026·5	-6	W	2	bc	59	85	8	–	4	–	0	2-3	–
	Gorleston ...	5	1026·3	-4	WNW	2	c	57	85	6	5	–	–	9+	9+	1500
	Mildenhall ...	19	1026·8	+2	W	1	c	54	85	7	–	7	–	0	7-8	–
	Cranwell ...	240	1026·5	-6	WNW	2	Z_0	53	85	6	–	3	–	0	9+	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1027·7	-2	NW'W	1	c	56	75	7	5	4	6	4-6	7-8	3500
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1029·0	-8	W	3	c	57	92	8	5	2	7	7-8	10	5700
	Bristol ...	209														
	Portland Bill ...	32	1028·2	-4	NW	3	c	56	92	8	5	–	–	9	9	2500
	Plymouth ...	82	1029·9	-2	NW	1	Z_0	57	85	6	5	2	–	7-8	9	4000
	The Lizard ...	240	1030·0	-8	NNW	4	bc	55	85	8	8	–	–	4-6	4-6	2000
	Scilly (St. Mary's)	163	1030·5	-6	NNW	2	c	58	92	7	5	–	–	9+	9+	1500
	Guernsey ...	175														
6	Pembroke ...	142	1029·9	-4	W	2	c	56	97	7	8	6	–	4-6	7-8	3000
7	~~Holyhead~~ Valley	26	1027·8	-6	SW	3	d_0d_0	54	97	5	5	–	–	10	10	500
	Chester (Sealand)	16	1026·7	-14	NW'W	2	d_0d_0	59	85	7	5	–	–	9	10	1300
8	Manchester ...	70	1026·9	-10	W'N	3	d_0d_0	59	85	6	5	–	–	10	10	1500
10	Spurn Head ...	29	1026·2	+2	W'N	4	Z_0	57	85	6	5	–	–	9+	9+	4000
	Catterick ...	175	1024·8	-10	W	1	c	57	85	7	5	3	–	7-8	9	2000
	Tynemouth ...	108	1024·9	-4	W	3	c	58	85	7	5	–	–	9+	9+	1500
11	St. Abbs Head	280	1023·5	-8	W	2	c	56	92	8	5	2	–	7-8	10	2000
	Leuchars ...	36	1023·1	-2	WSW	2	Z_0	56	92	6	5	–	–	9+	9+	2300
12	Renfrew (Abbotsl.)	19	1025·1	-6	WNW	–	Z_0	57	92	5	6	–	–	10	10	700
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1026·0	-2	W'N	4	d_0d_0	57	97	5	6	2	–	4-6	10	800
13A	Tiree	22	1024·8	+6	WNW	2	f	54	97	2	*	*	–	10	10	150
13B	Stornoway ...	80	1023·4	+2	WSW	3	c	54	97	7	8	7	–	9	10	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	19	1022·9	0	W	2	c	51	97	8	5	4	–	9	9+	2500
16	~~Lerwick~~ Sumburgh	136	1020·6	0	WNW	4	c	51	85	7	5	–	–	10	10	1200
17	Blacksod Point	18	1029·4	0	W	3	DD	55	97	5	6	–	–	10	10	450
18	Malin Head ...	84	1026·7	+4	WNW	5	df	56	97	3	6	–	–	9+	9+	450
	Aldergrove ...	268	1027·3	+2	W	3	c	58	92	8	5	–	–	10	10	1500
19	Birr Castle ...	173	1029·8	0	WSW	1	c/f	58	97	7	5	–	–	10	10	2500
20	Valentia Obsy.	30	1031·1	-10	W	1	df	56	97	2	5	–	–	10	10	<150
	Roches Point	22	1029·7	-4	NW	4	c	58	92	8	5	–	–	7-8	7-8	1500

OBSERVATIONS at 7 hr. G.M.T. 28th June

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	-2	NW	2	c	61	65	7	5	–	2	9	9+	2500	0	*
	Croydon ...	1026·8	+2	NW	2	b	60	75	7	–	4	9	0	1	–	0	*
	S. Farnborough	1027·0	-2	NW	2	b	59	75	9	1	4	9	Tr	1	2500	0	*
	Boscombe Down	1027·6	-6	NW	2	bc	59	85	7	1	7	–	Tr	4-6	3000	0	*
	Thorney Island	1027·1	-2	NW	2	bc	62	75	8	–	6	–	0	4-6	–	0	§
	Lympne ...	1026·0	-2	NW	1	b	61	85	7	–	3	–	0	1	–	0	*
	Manston ...	1025·4	-8	NW'W	1	Z_0	63	75	6	–	3	–	0	2-3	–	0	*
2	Shoeburyness ...	1026·3	-2	WNW	2	bc	62	75	7	–	4	–	0	2-3	–	0	*
	Felixstowe ...	1025·8	-2	WNW	3	bc	60	65	7	5	4	–	1	2-3	7200	0	1
	Gorleston ...	1025·0	-6	W	2	Z_0	57	75	6	5	–	–	9	9	3000	0	1
	Mildenhall ...	1025·2	-8	W'S	3	c	58	75	7	8	7	–	7-8	9+	3500	0	*
	Cranwell ...	1025·3	-6	W	4	Z_0	58	92	6	5	–	–	10	10	1500	0	*
3	Birmingham ...	1026·9	-4	WNW	2	id_0	56	92	6	5	–	–	10	10	450	1	*
	Upper Heyford	1026·9	-10	W'S	2	c/d	56	92	8	5	–	–	9+	9+	1100	1	*
4	Ross-on-Wye	1026·9	-4	SW	2	c	58	85	8	5	1	–	1	10	2500	0	*
5	Hartland Point	1028·5	+2	N	2	c	57	97	7	5	2	–	9+	10	1000	0	3
	Bristol ...	1027·5	-6	W	2	c	60	85	7	5	–	–	9+	9+	2500	0	*
	Portland Bill ...	1028·2	+2	NW	2	c	57	92	8	4	4	–	7-8	10	2500	0	3
	Plymouth ...	1028·8	0	N'W	2	c	60	92	8	5	–	–	10	10	1200	0	3
	The Lizard ...	1028·7	0	N	2	o	59	97	6	5	–	–	10	10	1400	0	3
	Scilly (St. Mary's)	1029·2	0	N	3	f	58	97	2	–	–	–	10	10	<150	0	2
	Guernsey ...																
6	Pembroke ...	1028·7	+2	NW	2	c	58	97	7	8	6	–	7-8	9+	3000	0	3
7	~~Holyhead~~ Valley	1028·2	+10	W	3	c	59	97	7	5	–	–	9+	9+	1000	1	2
	Chester (Sealand)	1026·4	0	NW	4	id_0	59	85	6	5	–	–	10	10	300	0	*
8	Manchester ...	1026·3	+2	WNW	3	Z_0	58	97	6	5	–	–	7-8	10	400	1	*
10	Spurn Head ...	1024·4	-6	W'N	3	Z_0	58	85	6	5	–	–	10	10	1500	0	3
	Catterick ...	1024·5	0	NW'N	1	c	61	85	8	5	–	8	4-6	9+	1800	0	*
	Tynemouth ...	1024·7	+2	NW	3	c	61	75	7	8	–	–	7-8	7-8	1800	0	1
11	St. Abbs Head	1023·5	+6	W	2	c	57	85	9	5	2	–	7-8	10	2500	0	2
	Leuchars ...	1023·6	+6	W	2	c	60	85	9	5	7	–	7-8	9+	3500	0	*
12	Renfrew (Abbotsl.)	1025·1	+6	W'S	2	c	60	85	8	5	–	–	9+	9+	1400	0	*
	Eskdalemuir ...	1024·8	+6	W	2	c	57	85	7	5	–	–	9+	9+	800	1	*
	Point of Ayre...	1027·0	+10	NW'W	2	c	55	97	7	5	7	–	7-8	10	800	1	2
13A	Tiree	1025·8	+4	W'N	3	Z_0	54	97	5	5	–	–	10	10	500	1	3
13B	Stornoway ...	1024·9	+12	W	3	id_0	55	97	5	5	–	–	10	10	600	1	1
15	Dalwhinnie ...	1025·7	+6	–	0	c	56	92	8	5	–	–	9+	9+	1500	0	*
	Aberdeen ...	1023·7	+6	NW	2	i_0	57	85	8	5	–	–	10	10	2300	0	1
	Wick ...	1024·0	+2	NW	3	c	54	92	7	5	3	–	7-8	9+	600	0	*
16	~~Lerwick~~ Sumburgh	1021·7	+8	WNW	4	c	53	85	8	5	–	–	7-8	9+	900	*	*
17	Blacksod Point	1029·6	+8	SW	1	c	57	97	7	5	–	–	10	10	800	0	3
18	Malin Head ...	1027·4	+8	WNW	5	c	55	97	6	6	–	–	9+	9+	800	0	4
	Aldergrove ...	1028·2	+2	W'S	2	c/d	58	92	8	5	–	–	10	10	600	1	*
19	Birr Castle ...	1029·8	+2	WNW	1	c	60	92	7	5	–	–	10	10	2500	0	*
20	Valentia Obsy.	1030·8	+2	–	0	Z_0	57	97	6	5	–	–	10	10	220	1	0
	Roches Point	1029·5	-6	NW	3	bc	58	85	8	5	–	5	2-3	4-6	2500	0	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 27th Hrs. (36)
1	London (Kew)	72	57	42	–	–	11·0
	Croydon ...	74	53	51	–	–	9·5
	S. Farnborough	71	53	43	–	–	10·3
	Boscombe Down	70	52	48	–	–	10·1
	Thorney Island	73	54	49	–	–	*
	Lympne ...	70	50	43	–	–	11·2
	Manston ...	70	52	46	–	0·2	10·4
2	Shoeburyness ...	72	53	43	–	–	9·3
	Felixstowe ...	72	57	52	–	–	5·9
	Gorleston ...	65	54	47	–	–	*
	Mildenhall ...	72	53	44	–	–	9·4
	Cranwell ...	70	53	50	–	–	8·9
3	Birmingham ...	68	54	49	–	Tr	7·6
	Upper Heyford	71	52	46	–	0·3	*
4	Ross-on-Wye	69	54	48	–	–	7·6
5	Hartland Point	61	56	56	–	Tr	12·0
	Bristol ...	70	55	46	–	–	9·3
	Portland Bill ...	62	54	*	–	–	*
	Plymouth ...	66	57	54	–	–	13·7
	The Lizard ...	63	54	*	–	–	11·8
	Scilly (St. Mary's)	64	57	*	–	–	8·8
	Guernsey ...						
6	Pembroke ...	60	55	*	–	–	10·1
7	~~Holyhead~~ Valley	63	53	51	–	1	*
	Chester (Sealand)	65	53	51	–	0·2	7·3
8	Manchester ...	65	52	52	–	0·2	4·9
10	Spurn Head ...	67	56	*	–	–	9·5
	Catterick ...	66	55	52	–	Tr	5·7
	Tynemouth ...	66	58	55	–	–	*
11	St. Abbs Head	59	55	*	–	–	*
	Leuchars ...	67	56	55	Tr	–	3·7
12	Renfrew (Abbotsl.)	62	56	53	Tr	Tr	0·1
	Eskdalemuir ...	59	52	52	0·2	0·3	0·3
	Point of Ayre...	67	54	*	–	0·3	1·0
13A	Tiree	57	53	*	Tr	0·6	0·0
13B	Stornoway ...	62	52	*	0·2	Tr	1·8
15	Dalwhinnie ...	59	51	51	Tr	–	3·8
	Aberdeen ...	67	54	52	Tr	Tr	4·8
	Wick ...	61	49	46	*	*	*
16	~~Lerwick~~ Sumburgh	*	*	*	*	*	*
17	Blacksod Point	59	53	*	2	0·6	*
18	Malin Head ...	59	53	*	1	0·4	0·0
	Aldergrove ...	61	56	56	1	0·1	0·0
19	Birr Castle ...	61	57	55	0·6	0·3	0·1
20	Valentia Obsy.	58	55	55	0·1	0·1	0·2
	Roches Point	64	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.	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	bc,zbccy	cy	cbcycbc	72	57	42	–	–	11·0	•	•	8
CROYDON	217	bbcy	cy	cybc,b	74	53	51	–	–	9·5	•	•	7
GREENWICH (Royal Observatory)...	149												
CITY (Bunhill Row)	—	•	•	•	•	•	•	•	•		•	•	•
WESTMINSTER (St. James' Park) ...	27	•	•	•	75	53	52	–	–		45	69	•
REGENTS PK. (Botanic Gardens)‡...	168	•	•	•	79	57	48	–	–		55	68	•
CAMDEN SQUARE	110	bc	bc	•	75	57	51	–	–	*	•	69	•
KENSINGTON	80	bc	bc	•	79	57	47*	–	–		48	69	•
HAMPSTEAD OBSERVATORY	450	bc	bc •	c	72	57	48	–	–		•	75	•

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	2-5h 28th	<0·1	8-21h 27th

FOREIGN OBSERVATIONS.

Stations	~~18h. G.M.T.~~ EVENING 27TH JUNE 1941. Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	~~7h. G.M.T.~~ MORNING 28TH JUNE 1941. 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~~ REYKJAVIK (18h. and 07h)	1013·5	SSE	3	o	59	1013·7	SE	1	7pr	54	*	48	*	0·4
~~BRUSSELS~~ LISBON (18h. " 07h)	1014·2	NNE	4	b	70	1013·6	*	*	b	73	95	72	–	–
~~BERLIN~~ MADRID (18h. " 07h)	–	–	–	–	–	907·6	E'N	4	Z_0	61	–	61	–	–
~~ZURICH~~ CAIRO (Heliopolis) 18h. and 06h)	1012·5	NNW	3	b	82	1013·1	NW	1	bc	73	*	*	*	*
TORONTO (13h. and 21h)	1014·2	SW	3	Z_0	75	–	–	–	–	–	•	•		
~~ROME~~ WASHINGTON (13h. and 01h)	–	–	–	–	–	–	–	–	–	–				

* Pressure reduced to level of 1000 dynamic metres. ‡ 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—glassy.	5	Rough.
1	Calm—rippled.	6	Very rough.
2	Smooth.	7	High.
3	Slight.	8	Very high.
4	Moderate.	9	Phenomenal.

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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

Sunday 29th June 1941

No. 29074.

OBSERVATIONS at 13h. G.M.T. 28th June

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) ...	1025·6	-6	NW	3	c	67	75	7	5	-	-	10	10	1500
	Croydon	1025·7	-2	WNW	2	c	66	75	8	5	-	-	10	10	2000
	S. Farnborough	1025·9	-8	NNW	2	c	67	75	8	5	2	-	9+	10	2800
	Boscombe Down	1026·5	-6	NW	3	c	68	75	8	5	-	-	9+	9+	2000
	Thorney Island	1025·8	-10	NNW	2	c	70	75	8	5	-	-	9+	9+	3000
	Lympne ...	1024·7	-6	NNW	2	c	67	75	7	7	-	-	9+	9+	3500
	Manston ...	1024·6	-8	WNW	2	c	66	75	8	7	-	-	9+	9+	2000
2	Shoeburyness ...	1025·1	-6	NW	3	c	66	75	7	5	-	-	10	10	1500
	Felixstowe ...	1024·4	-4	WNW	3	c	65	75	8	5	-	-	10	10	1800
	Gorleston ...	1024·9	-2	NNW	3	zo	62	85	6	5	-	-	10	10	2000
	Mildenhall ...	1024·2	-6	NW	3	c	66	75	7	5	2	-	9+	10	1600
	Cranwell ...	1024·5	-6	NNW	4	c	69	75	7	8	-	-	9+	9+	1500
3	Birmingham	1026·3	0	NNW	3	c	65	75	7	5	3	-	7-8	9	800
	Upper Heyford	1025·8	-2	WNW	3	c	67	75	8	5	-	-	9+	9+	1500
4	Ross-on-Wye ...	1025·9	-6	NNW	3	c	71	65	9	5	-	-	9+	9+	4000
5	Hartland Point	1028·1	-2	NNW	3	c	65	85	8	5	-	-	9+	9+	1500
	Bristol	1026·4	-6	N	3	c	71	65	8	7	-	-	4-6	9	2500
	Portland Bill ...	1026·2	-6	W	3	c	57	92	8	5	-	-	10	10	2500
	Plymouth ...	1027·8	-6	S'W	3	c	65	85	8	7	-	-	9+	9+	3000
	The Lizard ...	1027·9	-4	W	2	c	66	85	7	8	6	-	7-8	10	1500
	Scilly (St. Mary's)	1028·9	-2	NNE	2	m	64	85	8	9	7	-	4-6	9	1500
	Guernsey ...														
6	Pembroke ...	1029·8	+6	NW	2	c	61	85	8	8	6	-	4-6	7-8	3000
7	~~Holyhead~~ Valley	1028·1	+2	WNW	3	c	66	75	8	7	-	-	9+	9+	4000
	Chester (Sealand)	1027·1	-4	NW	4	zo	62	85	6	5	-	-	7-8	9+	400
8	Manchester ...	1026·5	+2	WNW	4	c	63	85	7	5	-	-	9	9	1000
10	Spurn Head ...	1024·5	0	N'E	4	c	61	75	7	5	-	-	9+	9+	2500
	Catterick ...	1024·3	-2	N'E	2	c	70	65	8	8	-	-	9+	9+	1500
	Tynemouth ...	1025·3	+8	NNE	3	c	59	85	8	8	-	-	9+	9+	1700
11	St. Abbs Head	1024·9	+10	NE	1	c	57	92	8	8	5	-	7-8	9+	2500
	Leuchars ...	1024·8	+8	ESE	3	c	64	75	9	8	-	-	9+	9+	2500
12	Renfrew (Abbots I.)	1025·9	-2	NWW	4	bc	69	65	9	8	-	-	4-6	4-6	2500
	Eskdalemuir ...	1024·8	+2	NW'W	2	c	67	65	8	8	-	-	7-8	7-8	2500
	Point of Ayre ...	1027·6	+4	NW	3	c	61	85	8	5	4	-	7-8	9+	1000
13A	Tiree	1027·4	+2	W	2	c	60	65	8	5	-	-	9	9	1800
13B	Stornoway ...	1026·7	+6	SSE	3	c	56	92	8	5	7	-	7-8	10	2000
15	Dalwhinnie ...	1026·3	+8	WNW	2	c	63	75	8	8	-	-	9	9	2500
	Aberdeen ...	1025·1	+6	NNW	3	c	61	75	8	8	-	-	9+	9+	2100
	Wick	1025·5	+8	NW'N	3	c	60	85	8	7	3	-	4-6	9	1200
16	~~Lerwick~~ Sumburgh	1024·2	+10	NW'N	4	c	55	85	8	5	7	-	7-8	9+	900
17	Blacksod Point..	1029·0	-6	SSW	1	c	62	85	8	-	7	-	0	10	-
18	Malin Head ...	1028·1	0	W	4	cjf	58	92	6	4	6	-	4-6	7-8	800
	Aldergrove ...	1028·4	+2	NW	1	c	67	75	8	5	-	-	9+	9+	1800
19	Birr Castle ...	1029·2	-4	NNW	2	bc	73	75	8	4	-	-	4-6	4-6	2500
20	Valentia Obsy. †	1030·1	-6	W'S	2	c	63	85	8	5	-	-	9+	9+	5700
	Roches Point ...	1028·8	-6	SSE	1	c	65	85	9	5	-	-	9	9	2500

OBSERVATIONS at 18h. G.M.T. 28th June

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)	1023·9	-6	N'W	2	zo	71	65	6	5	-	-	9+	9+	1500	0	*
Croydon	1023·6	-6	WNW	1	c	68	75	7	5	-	-	4-6	10	1600	0	*
S. Farnborough	1023·8	-8	NNW	3	c	71	65	7	7	3	-	4-6	9+	3000	0	*
Boscombe Down																*
Thorney Island	1023·8	-12	NNW	3	c	74	65	8	5	-	-	9+	9+	2500	0	
Lympne	1023·7	-6	NNW	2	zo	65	85	6	5	-	-	10	10	2000	0	§
Manston	1023·9	-2	N	2	zo	63	92	6	5	-	-	10	10	2500	0	*
Shoeburyness	1024·0	-6	NW	2	c	67	75	5	5	-	-	10	10	2500	0	*
Felixstowe	1024·0	-2	N'E	2	c	65	85	7	5	-	-	10	10	3500	0	2
Gorleston	1024·2	+2	NNW	3	c	61	75	7	5	-	-	9	9	2400	0	1
Mildenhall	1024·0	-2	NE'N	3	c	65	75	7	5	7	-	7-8	9+	5000	0	*
Cranwell	1024·4	+2	SE	2	c	67	75	7	5	-	-	7-8	7-8	2500	0	*
Birmingham	1025·6	-4	NNW	3	bc	66	75	8	5	-	1	4-6	4-6	800	0	*
Upper Heyford	1024·9	0	NNW	3	c	69	75	7	5	-	-	7-8	7-8	1800	0	*
Ross-on-Wye	1025·1	-6	N'W	3	c	70	75	8	5	-	-	9	9	4000	0	*
Hartland Point	1026·6	-10	W	3	bc	62	85	9	1	4	1	Tr	2-3	2500	0	2
Bristol	1025·3	-4	WNW	2	c	69	85	8	5	3	-	7-8	9	3500	0	*
Portland Bill	1024·9	-8	NW	3	c	60	92	8	5	-	-	10	10	2500	0	3
Plymouth	1026·1	-10	N'W	4	c	71	75	8	5	3	-	7-8	9	2500	0	3
The Lizard	1025·9	-8	N	2	bc	69	85	8	4	4	-	2-3	4-6	3500	0	3
Scilly (St. Mary's)	1027·6	-12	N'E	2	bc	63	85	8	5	4	2			1500	0	2
Guernsey																
Pembroke	1027·2	-2	NNE	3	c	68	85	8	7	6	-	9		3000		
Valley	1026·9	-6	NNE	3	bc	66	85	7	8	4	-	4-6	4-6	3000	0	2
Chester (Sealand)	1026·2	-6	NW	4	bc	64	75	8	8	4	2	2-3	4-6	2000		*
Manchester	1025·6	-6	WNW	4	bc	67	75	8	1	-	1	2-3	4-6	2500	0	*
Spurn Head	1024·6	+2	N	4	c	61	75	7	5	7	-	2-3	9	2500		
Catterick	1025·1	0	NE'E	2	c	63	75	6	5	6	-	9	9	2500	0	
Tynemouth	1025·5	0	N	2	c	56	85	8	5	-	-	9	9	2000	0	2
St. Abbs Head	1025·4	0	ESE	1	bc	55	92	8	7	4	-	4-6	4-6	2500	0	2
Leuchars	1025·5	+2	SE	3	bc	57	85	8	5	-	-	4-6	4-6	4000		*
Renfrew (Abbots I.)	1025·5	-2	NW	4	bc	69	65	8	7	4	-	1	2-3	4000	0	*
Eskdalemuir	1024·0	-6	NW'N	3	c	70	75	8	8	-	-	7-8	7-8	2500	1	*
Point of Ayre	1026·6	-12	NWW	4	b	62	75	8	4	-	-	1	1	3000	0	3
Tiree	1027·5	0	SW'S	2	o	57	97	6	5	-	-	10	10	400	0	3
Stornoway	1026·7	0	-	0	c	61	85	8	5	7	-	4-6	9+	2500	1	1
Dalwhinnie	1026·6	0	WNW	3	c	65	75	8	5	-	-	9+	9+	2500	0	*
Aberdeen	1025·3	+2	N'W	3	c	61	75	8	5	-	-	9	9	2500	0	1
Wick	1025·6	-2	NW'W	3	bc	61	65	9	5	-	1	4-6	4-6	1600	0	*
Sumburgh	1025·1	+4	NW	4	c	54	75	8	5	3	-	4-6	7-8	1800	*	*
Blacksod Point	1028·4	-2	S	1	c	60	92	8	-	7	-	0	9+	-	*	*
Malin Head	1027·8	-2	W	2	f	56	92	3	-	-	-	10	10	<150	0	2
Aldergrove	1028·0	-4	N'W	2	bc	69	75	8	8	3	1	4-6	4-6	3000		*
Birr Castle	1027·7	-4	NNW	1	c	73	75	8	5	-	-	9	9	4000	0	*
Valentia Obsy. †	1028·8	-8	W	2	c	62	85	8	5	-	-	9+	9+	4000	0	2
Roches Point	1027·3	-10	S	2	c	64	75	9	5	-	-	7-8	7-8	2500	0	3

PAST 24 HOURS.

Stations	Weather 7h.—13h. 28th. (37)	13h.—18h. 28th. (38)	18h. 28th to 1h. 29th (39)	1h.—7h. 29th. (40)
London (Kew)	c	cczo	czopr·czo	czocbc
Croydon		c	cmoro	cmobc
S. Farnborough	bv idoc	c	c	c
Boscombe Down	c		cbzo	bbcfgcmow
Thorney Island	bcc	c	cbcmo	bccmoc
Lympne	bbc zoc	ccmo	cbcbmow	bmowbcc
Manston	bmozocbcc	czododom	cmobcmo	bccmoc
Shoeburyness	bbcc	cidomo	cbc	bcc
Felixstowe	bccvc	cidoc	cbccb	b,cv
Gorleston	cmo	c		c
Mildenhall	c	c	cbccbc	bcc
Cranwell	cmobcc	c	ciroc	c
Birmingham	oidoc	bc	bcc	c
Upper Heyford	c	cbc	bcmo	bccmo
Ross-on-Wye	bc	c	cbcb	co
Hartland Point	c	bc	bc	bccff
Bristol	c	c	cbcb	b,cw
Portland Bill	c	c	c	c
Plymouth	c	c	bcb	bzow
The Lizard	czoc	bc	bcw	c
Scilly (St. Mary's)	offcc	cbc	bcifwb	b,cw
Guernsey				
Pembroke	c	cbc	bc	bc
Valley	c	cbc	bbcbc	bccFc
Chester (Sealand)	cmoidomo	cmobc	bcvmow	cmow
Manchester	dodoc	cbc	bmofg	mfgcm
Spurn Head	c	oc	cbc	c
Catterick	c	c	cirocmo	cmo
Tynemouth	c	c	c	c
St. Abbs Head	c	cbc	c	coc
Leuchars	c	c	c	c
Renfrew (Abbots I.)	cbcc	bcb	bbcb,cmo	cbcofb
Eskdalemuir	cbc	bc	bc	bcw
Point of Ayre	cbcc	bccbc	bbccw	FFc
Tiree	c	co	ff	ffc
Stornoway	cddc	c	cpr·c	c
Dalwhinnie	c	c		como
Aberdeen	proc	cproc	cbc	bcc
Wick	c	bc	c	c
Sumburgh	d	c	bc	c
Blacksod Point	c	c	c	fc
Malin Head	cjfc	oFfo	oFfo	oFfo
Aldergrove	cvc	bc	bcoFFc	oFFccmo
Birr Castle	cbc	c	c	
Valentia Obsy.	omoc	cbcc	cbcbbccw	
Roches Point	bcc	c	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.*

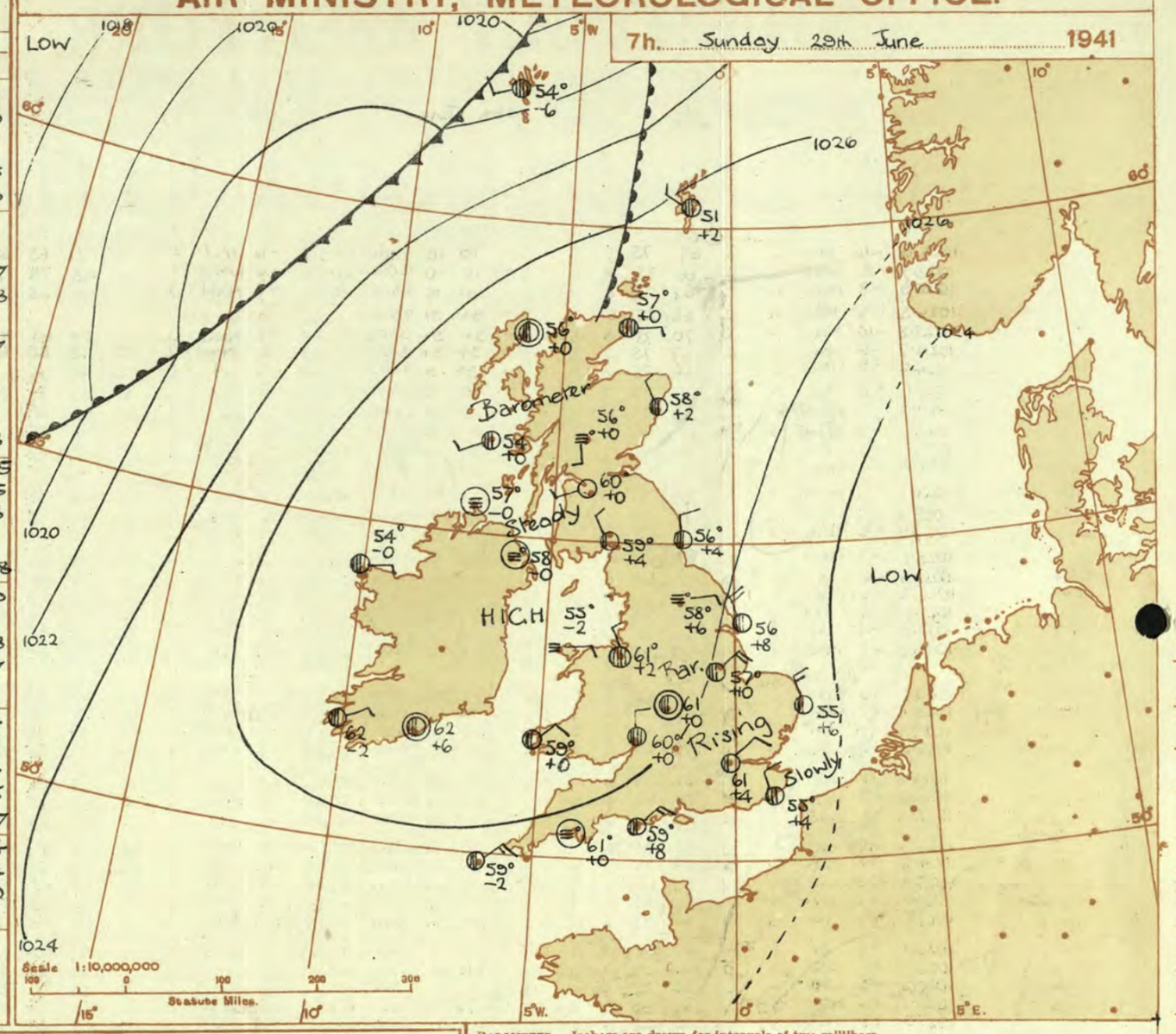
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Sunday 29th June 1941

Abridged observations of additional stations in the AVIATION WEATHER CODE

	18h. G.M.T. 28th June			18h. G.M.T.			01h. G.M.T. 29th June			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	73	01844	32325	53	01853	32213	5-	02866	11126	5-	57418	22148
115				52	09834	22346	--	67109	18369	--	46109	20249
203	5-	09838	20248				5-	03838	16428			
206	53	02964	12226	54	02965	09125	5-	02858	00028	5-	02865	00025
210	52	02965	05228	54	01963	07113	5-	02868	00028	57	02965	26128
220	51	02735	27218									
230	51	02845	24358	57	22845	20368	--	46109	20249	5-	09308	00048
245	54	01954	09324	54	02745	12226	5-	05666	28126	73	02887	26127
260	54	02866	26316	8-	02867	02217	5-	02748	00018	5-	05665	00028
277												
279	76	01954	28324	44	01863	20313				03	02890	06127
285	23	01744	28515									
288	8-	05657	03327	53	02755	02327	5-	05548	31128	5-	17548	01228
273												
301	53	02725	27527				50	00751	28202	5-	05528	10248
321	8-	05657	26427	71	2777	05227	5-	05658	30168	53	05662	32225
299	57	02754	32327	57	02755	30327	57	01854	30214	80	01755	30315
292	5-	02957	27227	5-	02857	28227	5-	02757	32267	5-	05658	02228
310												
316	8-	05546	26326	5-	05547	30228	5-	51548	00058	53	05666	32328
333	5-	02853	28327				04	00790	26411	5-	01823	29313
334												
340	5-	02748	26358	27	01854	30414	5-	05638	29218	5-	05638	00058
136	51	05656	29358	5-	22967	32367	54	01734	32324	5-	02847	32427
336	51	03763	32418	13	01763	32416						
350	51	05646	26228	57	05654	28327	5-	05658	04258	55	01754	30224
368	50	02767	25327							50	05641	08201
379	53	02855	28327				05	05650	28201	5-	08428	02228
390	5-	02748	26328				5-	05666	30127	5-	01755	28215
382	5-	02848	29428				50	05661	28111	57	05664	30227
438	5-	02758	24418							50	01754	04304
430	51	02856	28228	7-	02877	30327	5-	05656	30126	53	01853	32214
409	53	01843	01325	54	02944	31325	5-	05624	02314	--	46109	04349

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 29th June 1941.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Light variable or N.E. wind; fair or fine; rather warm in most places, but cool near East Coast.
8 N.W. England	As 12-17.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light variable wind, fair or fine; rather warm.
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 westerly or variable wind, cloudy but some bright intervals, some coast fog; average temperature or rather warm.
18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 9-11.

GENERAL INFERENCE.

A large anticyclone covers the British Isles. Weather will be fair generally apart from local coast fog chiefly in the Northwest.

FURTHER OUTLOOK.

Quiet fair weather continuing for a few days.

Warm front
Cold front
Occlusion

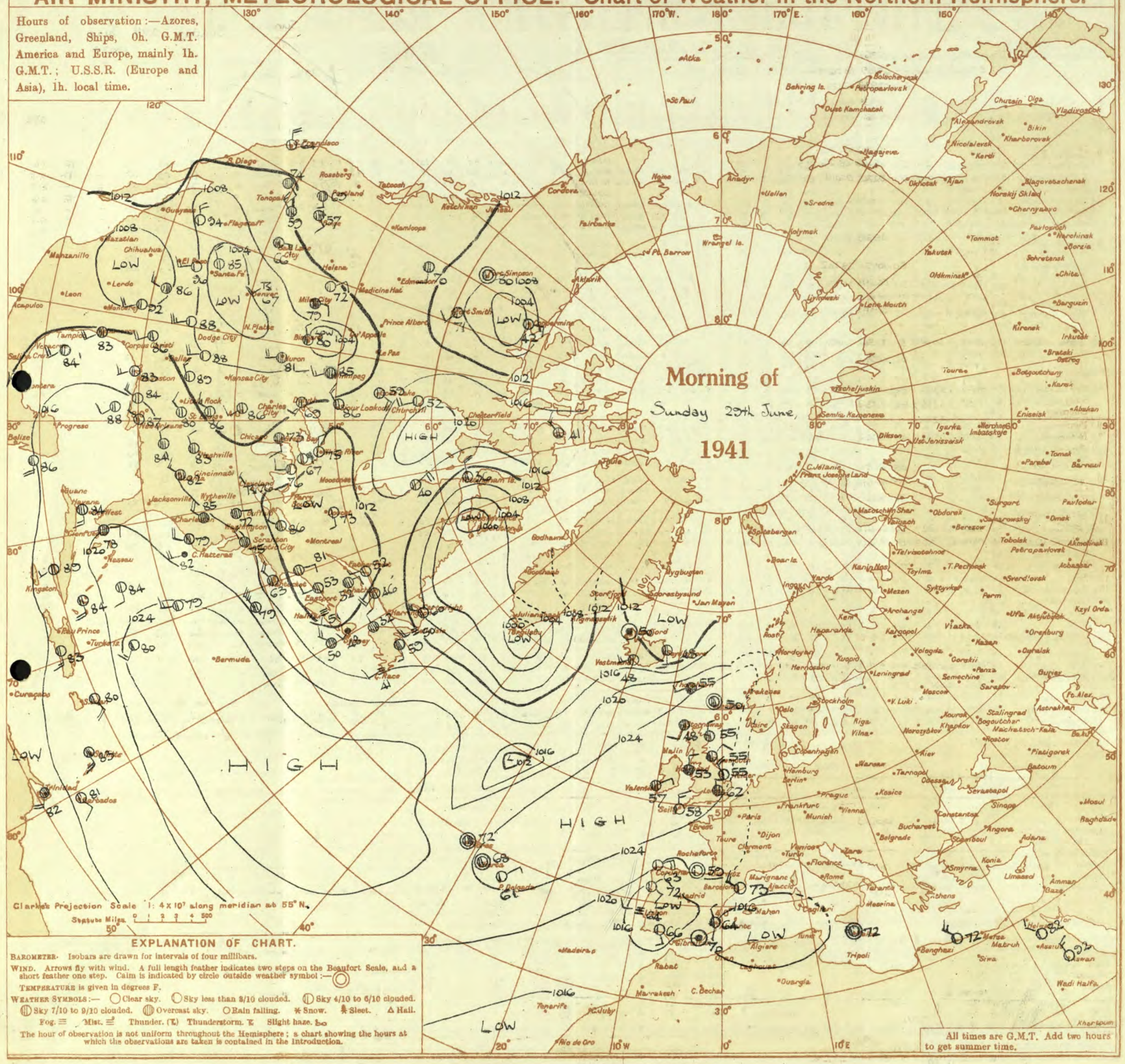
Forecasts issued at 10.30h. G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1.
G. 266. Wt. 8176. B. 6034. Gp. 942. 9300. 5/41.

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 two hours to get summer time.

Page 4.

AIR MINISTRY.

THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 29th June 1941

No. 29074

OBSERVATIONS at 1 hr. G.M.T. 29th June

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	1024·6	0	N	2	c	62	85	6	5	-	-	9+	9+	1800
	S. Farnborough	226	1024·6	-4	-	0	c	63	85	7	5	-	-	10	10	5000
	Boscombe Down	417	1025·7	-2	NW	1	z,	56	92	7	-	-	-	0	0	-
	Thorney Island	10	1024·2	-2	NW	2	zo	63	85	6	5	-	-	4·6	4·6	3200
	Lympne	346	1024·4	+2	NNW	1	zo	54	97	5	5	-	-	Tr	Tr	800
	Manston	154	1029·0	-4	N'E	2	zo	56	97	6	5	-	-	4·6	4·6	1400
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe	15	1024·1	-4	N'W	2	b	55	85	7	5	-	-	1	1	4000
	Gorleston	5														
	Mildenhall	19	1024·7	-4	N	2	bc	56	85	7	5	-	-	4·6	4·6	3000
	Cranwell	240	1025·3	-6	N	2	c/r	58	92	6	5	-	-	10	10	1200
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1025·5	+2	N	2	zo	59	92	6	5	-	-	2·3	2·3	3000
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1026·2	0	N	3	bc	59	92	8	5	-	-	4·6	4·6	1500
	Bristol	209	1025·8	+2	N	1	b	59	92	7	5	-	-	1	1	3000
	Portland Bill	32	1024·4	-6	NW	3	c	56	92	8	5	-	-	7·8	7·8	2500
	Plymouth	82	1026·1	+2	-	0	b	62	85	7	-	-	-	0	0	-
	The Lizard	240	1025·3	-4	NNE	4	bc	64	92	7	1	-	1	2·3	2·3	2500
	Scilly (St. Mary's)	163	1026·4	-10	N	3	b	58	97	8	-	-	-	0	0	-
	Guernsey	175														
6	Pembroke	142	1026·8	-2	N	4	bc	58	97	7	7	-	-	2·3	2·3	4000
7	~~Holyhead~~ Valley	26	1026·8	-6	N	2	b	53	97	6	5	-	-	1	1	4000
	Chester (Sealand)	16	1026·2	+2	NNW	1	c	56	92	6	5	-	-	9	9	1100
8	Manchester	70	1026·3	-2	SSW	1	fg	55	97	4	5	-	-	2·3	2·3	1500
10	Spurn Head	29	1025·0	0	NW'N	4	bc	55	85	7	5	8	-	2·3	4·6	2500
	Catterick	175	1026·3	-4	-	0	zo	57	85	6	5	-	-	10	10	2000
	Tynemouth	108	1026·6	0	NNE	2	c	55	85	7	2	-	-	9	9	1500
11	St. Abbs Head	280	1026·0	0	ESE	1	c	54	85	7	5	2	-	7·8	10	2000
	Leuchars	36	1026·4	-2	ESE	1	c	55	85	8	5	-	-	10	10	3200
12	Renfrew (Abbots I.)	19	1026·2	+2	NNW	1	zo	58	92	6	5	4	-	9	9+	2500
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre	30	1026·6	-2	W'N	3	c	55	97	6	5	1	-	4·6	10	1000
13A	Tiree	22	1027·2	0	S'E	1	f	58	97	2	*	*	*	10	10	<150
13B	Stornoway	80	1026·2	-4	SSW	2	c/pr	55	92	7	5	7	-	7·8	9+	2500
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick	139	1026·4	-6	NW	1	c	55	92	8	5	-	-	9+	9+	2500
16	~~Lerwick~~ Sumburgh	150	1026·1	+2	WNW	1	c	49	92	8	5	-	-	9+	9+	1500
17	Blacksod Point	18	1027·2	-2	W'S	1	c	55	97	7	5	-	-	9+	9+	1500
18	Malin Head	84	1027·4	-4	NNW	1	f	56	97	2	-	-	-	10	10	<150
	Aldergrove	268	1027·9	-2	N'W	1	F	56	97	1	·	·	-	10	10	<150
19	Birr Castle	173	1027·5	-2	W	1	c	59	97	8	5	-	-	7·8	7·8	2500
20	Valentia Obsy.	30	1027·1	-10	ENE	1	c	57	97	7	5	-	-	7·8	7·8	4000
	Roches Point	22	1026·5	-2	N	1	bc	63	92	8	5	-	-	4·6	4·6	2500

OBSERVATIONS at 7 hr. G.M.T. 29th June

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)	1025·8	+8	N'E	3	bc	62	65	8	8	-	1	2·3	4·6	1500	0	*
Croydon	1025·2	+4	NE	2	bc	61	75	8	5	4	-	1	4·6	2500	0	*
S. Farnborough	1025·6	+6	NNE	2	c	63	75	8	8	7	1	7·8	9	2500	0	*
Boscombe Down	1026·0	+2	NNW	2	z,	60	92	6	5	-	-	9+	9+	3000	0	*
Thorney Island	1025·0	+6	N	3	c	64	75	8	5	-	-	7·8	7·8	4000	0	
Lympne	1025·0	+4	N'W	2	c	55	85	8	5	-	-	9+	9+	2000	0	§
Manston	1025·2	+6	N'W	3	c	56	75	9	5	-	-	10	10	1800	0	*
Shoeburyness	1025·4	+6	N	3	c	57	75	8	8	-	-	9+	9+	1500	0	*
Felixstowe	1024·9	+2	N	2	c	56	75	9	5	-	-	10	10	2000	0	2
Gorleston	1024·3	+6	N'W	3	c	55	75	7	5	-	-	9+	9+	2000	0	3
Mildenhall	1025·8	+6	NNW	2	c	56	85	8	5	-	-	9+	9+	1800	0	*
Cranwell	1026·3	+10	NE	4	c	57	85	8	5	7	-	9	9+	1800	1	*
Birmingham	1026·2	+2	-	0	c	61	85	6	5	-	-	10	10	1500	0	*
Upper Heyford	1026·0	+2	NW	2	zo	61	85	6	5	-	-	9+	9+	3000	0	*
Ross-on-Wye	1026·0	0	N	2	o	60	85	6	5	-	-	10	10	1500	0	*
Hartland Point	1025·5	-2	NNE	2	f+	57	97	2	-	-	-	10	10	<150	0	3
Bristol	1026·2	+2	NE	2	zo	60	92	6	5	-	-	10	10	1600	0	*
Portland Bill	1025·3	+8	NE	3	c	59	92	8	5	-	-	10	10	2500	0	3
Plymouth	1025·8	0	-	0	zo	61	92	8	-	-	-	0	0	-	0	3
The Lizard	1025·1	-2	ENE	2	c	64	85	8	2	6	-	7·8	7·8	1500	0	3
Scilly (St. Mary's)	1025·8	-2	NE'E	3	c	59	97	8	5	-	-	7·8	10	1500	0	3
Guernsey																
Pembroke	1026·6	0	NE'N	1	bc	59	97	7	7	7	-	2·3	2·3	4000	0	2
Valley	1026·7	-2	E	1	f-	55	97	2	-	-	-	10	10	<150	1	!
Chester (Sealand)	1026·3	+2	NNW	1	o	60	85	6	5	-	-	10	10	700	0	*
Manchester	1026·6	+2	W'S	1	m	58	97	4	5	-	-	10	10	600	1	*
Spurn Head	1025·7	+8	N'W	4	c	56	85	7	5	-	-	9+	9+	4000	0	3
Catterick	1026·8	+6	E	1	zo	58	85	5	5	-	-	10	10	2000	0	*
Tynemouth	1026·7	+4	N	2	c	56	85	7	8	-	-	9+	9+	1800	0	2
St. Abbs Head	1026·0	+2	-	0	c	57	85	8	5	4	-	4·6	7·8	1500	0	1
Leuchars	1026·2	+2	-	0	c	57	85	8	5	-	-	9+	9+	4000	0	*
Renfrew (Abbots I.)	1026·4	0	WSW	1	b/f	60	85	6	1	-	5	Tr	1	2500	0	*
Eskdalemuir	1026·1	+4	ENE	2	c	59	85	8	5	-	-	7·8	7·8	4000	1	*
Point of Ayre	1026·5	+2	WNW	3	f	55	97	2	-	-	-	10	10	<150	0	2
Tiree	1026·5	0	SW'W	1	c	54	97	7	5	1	-	9+	9+	800	1	3
Stornoway	1026·2	0	-	0	c	56	92	8	5	7	-	7·8	9+	2000	1	1
Dalwhinnie	1026·4	0	S	1	o	56	92	5	5	-	-	10	10	800	0	*
Aberdeen	1026·2	+2	NW'N	1	c	58	85	8	5	-	-	9+	9+	3100	0	0
Wick	1026·1	+4	E	1	o	57	85	8	5	-	-	10	10	1600	0	
Sumburgh	1026·1	+2	WNW	1	c	51	92	8	5	-	-	9+	9+	3000	*	*
Blacksod Point	1026·4	0	E	1	cjf	54	97	5	5	3	-	4·6	9+	450	0	2
Malin Head	1026·6	0	-	0	f-	57	97	4	-	-	-	10	10	<150	0	2
Aldergrove	1027·5	0	-	0	zo	58	97	5	5	-	-	9+	9+	4000	1	*
Birr Castle																*
Valentia Obsy.	1025·5	-2	ENE	1	c	62	97	8	5	-	-	9+	9+	4000	0	1
Roches Point	1026·4	+6	-	0	c	62	92	8	5	-	-	9+	9+	2500	0	3

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 28th Hrs. (36)
London (Kew)	71	61	59	-	Tr	1·6
Croydon	69	59	57	-	Tr	2·1
S. Farnborough	74	60	59	Tr	-	2·7
Boscombe Down		54	47		Tr	2·6
Thorney Island	74	61	51	-	-	*
Lympne	69	52	42	-	-	4·2
Manston	68	54	50	0·1	-	5·3
Shoeburyness	69	53	43	-	-	2·7
Felixstowe	68	52	49	Tr	-	1·4
Gorleston	65	54	50	-	-	*
Mildenhall	69	51	41	-	-	1·1
Cranwell	71	56	55	-	0·2	1·4
Birmingham	68	58	56	Tr	-	3·4
Upper Heyford	72	59		-	-	*
Ross-on-Wye	73	56	50	-	-	1·4
Hartland Point	65	57	55	-	-	6·2
Bristol	72	56	45	-	-	1·7
Portland Bill	61	55	*	-	-	*
Plymouth	71	51	49	-	-	5·[illegible]
The Lizard	72	59	*	-	-	7·4
Scilly (St. Mary's)	65	56	*	-	Tr	6·4
Guernsey						
Pembroke	68	51	*		-	6·0
Valley	69	51	45	-	-	*
Chester (Sealand)	65	56	50	Tr	-	4·0
Manchester	68	52	46	Tr	-	3·9
Spurn Head	64	52	*		-	2·0
Catterick	70	56	55	-	Tr	1·3
Tynemouth	64	54	53	-	-	*
St. Abbs Head	59	52	*	*	-	*
Leuchars		55	54		-	4·6
Renfrew (Abbots I.)	72	54	49	-	-	9·2
Eskdalemuir	71	55	50	-	-	6·5
Point of Ayre	67	52	*	-	-	6·6
Tiree	62	54	*	-	-	0·8
Stornoway	65	53	*	0·1	Tr	0·1
Dalwhinnie	68	54	50	-	-	3·6
Aberdeen	62	52	46	Tr	-	1·0
Wick	63	53	53	*	*	*
Sumburgh	55	47	*	*	*	*
Blacksod Point	63	53	*	0·4	-	*
Malin Head	60	54	*	-	-	2·6
Aldergrove		53	48		Tr	3·4
Birr Castle	76			-		
Valentia Obsy.	65	56	51	Tr	Tr	2·1
Roches Point	69	60	*	-	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. Yesterday	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day	Visibility 9h.
		24 hrs. ended 9h.											
Kew	18	c	ceZo	czopccbc	71	61	59	-	Tr	1·6	*	*	8
Croydon	217		c	cmorocbc	69	59	57	-	Tr	2·1	*	*	8
Greenwich (Royal Observatory)	149	r	c	cro cbcc	70	58	52	-	Tr	1·6	70	66	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park)	27	*	*	*	72	61	57	-			62	66	*
Regents Pk. (Botanic Gardens)‡	168	*	*	*									*
Camden Square	110	bc	c	*	71	59	55	-	Tr	*	*	73	*
Kensington	80	c	bc	*	71	60	55*	-	-		74	67	*
Hampstead Observatory	450	o	bc	bc	69	56	54	-	-		*	72	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 29th

	Max.	Time.	Min.	Time.
South Kensington.				
Kew Observatory.	0·1	16-23h 28th	<0·1	Rest of Period

FOREIGN OBSERVATIONS.

Stations	~~18h. G.M.T.~~ Evening 28th June Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	~~7h. G.M.T.~~ Morning 29th June 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~~ Reykjavik (18h. and 7h)	1011·0	WSW	2	ro	54	1016·0	ESE	2	bo	55	55	45	6	Tr
~~Brussels~~ Lisbon (18h " 7h)						1014·1	SW	4	m/f	64		61		-
~~*Berlin~~ Madrid* (18h " 7h)						903·2	NE	3	o	57		57		1
Cairo (Heliopolis) 18h and 6h	1011·2	NNW	3	b	83	1012·5	N	1	bz	74				
~~Zürich~~ Toronto (13h and 1h)	1009·2	SSW	3	bzo	77	1010·6	W	3	bc	86				
~~Rome~~ Washington (13h " 1h)						1013·5	S	4	c	80	*	*		

* Pressure reduced to level of 1000 dynamic metres ‡ 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—glassy. 5 Rough.
1 Calm—rippled. 6 Very rough.
2 Smooth. 7 High.
3 Slight. 8 Very high.
4 Moderate. 9 Phenomenal.

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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

Monday 30th June 1941

No 29075

OBSERVATIONS at 13h. G.M.T. 29th June

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)	1024·5	-6	NNE	3	bc	67	55	8	7	-	1	4-6	4-6	2500
	Croydon	1024·3	-6	NNW	3	bc	71	55	8	1	-	1	4-6	4-6	3000
	S. Farnborough	1024·5	-2	NNE	3	c	71	55	8	1	-	-	7-8	7-8	3000
	Boscombe Down	1024·6	-8	N	1	c	71	65	7	8	-	-	9	9	3500
	Thorney Island	1024·6	0	SSW	3	c	64	75	8	8	-	-	7-8	7-8	4000
	Lympne	1024·1	-6	N	3	c	64	65	8	7	-	1	7-8	7-8	1500
	Manston	1024·5	-2	NNE	2	c	62	65	8	7	-	-	4-6	7-8	3000
2	Shoeburyness	1023·3	-8	N	3	bc	69	55	8	1	-	1	2-3	2-3	2500
	Felixstowe	1024·5	-2	N	3	bc	66	55	9	5	-	-	4-6	4-6	3000
	Gorleston	1024·6	+2	N	4	c	56	85	8	5	-	-	10	10	2000
	Mildenhall	1024·9	-2	N'E	3	bc	64	65	9	7	-	1	2-3	2-3	2700
	Cranwell	1024·9	-8	N	3	bc	69	65	8	1	-	-	4-6	4-6	3500
3	Birmingham	1024·4	-8	N	2	c	69	55	7	8	-	-	9+	9+	1500
	Upper Heyford	1024·8	-6	NNW	3	zo	70	65	6	8	-	-	9+	9+	1800
4	Ross-on-Wye	1024·9	-16	WNW	2	bc	70	75	7	1	-	-	4-6	4-6	2500
5	Hartland Point	1024·7	-8	NE	2	bc	60	92	7	1	-	1	2-3	2-3	3000
	Bristol	1024·8	-10	NE	2	c	70	75	7	5	-	-	9	9	2400
	Portland Bill	1025·1	-4	SE	2	c	64	85	8	2	4	-	7-8	9	2500
	Plymouth	1025·3	-6	SW	3	zo	67	75	6	1	-	-	1	1	1500
	The Lizard	1025·2	0	ENE	2	bc	68	85	7	2	6	-	4-6	4-6	2500
	Scilly (St. Mary's)	1025·3	-2	NE'E	3	bjF	68	75	6	-	-	-	0	0	-
	Guernsey														
6	Pembroke	1026·5	0	SSW	1	bc	63	85	7	7	-	-	2-3	2-3	4000
7	~~Holyhead~~ Valley	1025·4	-10	WNW	3	bcjf	62	85	7	2	-	4	2-3	4-6	2000
	Chester (Sealand)	1024·1	-10	WNW	2	c	72	65	7	2	7	2	2-3	7-8	2500
8	Manchester	1025·0	-10	WNW	2	zo	70	75	6	8	-	-	7-8	10	2200
10	Spurn Head	1025·2	0	N'E	5	bc	60	75	7	7	4	-	2-3	4-6	4000
	Catterick	1025·1	-12	NNE	2	zo	70	65	6	5	-	1	4-6	4-6	3500
	Tynemouth	1026·4	-2	NNE	3	bc	61	75	8	1	4	1	2-3	2-3	3600
11	St. Abbs Head	1026·0	-4	—	0	c	61	85	8	5	5	-	4-6	9	2000
	Leuchars	1025·4	-6	E	3	bc	67	75	8	8	4	2	4-6	4-6	6500
12	Renfrew (Abbots I.)	1024·8	-10	NNW	2	c	76	55	8	8	3	-	7-8	7-8	3600
	Eskdalemuir	1024·9	-2	—	0	c	66	75	9	8	-	-	9+	9+	4000
	Point of Ayre	1025·9	-6	NW'W	2	bc	64	75	8	2	4	1	Tr	2-3	2500
13A	Tiree	1025·5	-4	SE'E	2	c	60	85	7	5	-	-	9+	9+	1200
13B	Stornoway	1025·5	-2	SSW	4	bc	59	85	8	1	6	1	1	2-3	3000
15	Dalwhinnie	1025·8	0	SSW	2	c	70	55	8	8	-	-	9	9	2500
	Aberdeen	1025·5	-8	ESE	2	c	63	75	8	5	-	-	9+	9+	3100
	Wick	1026·0	-2	—	0	c	61	85	8	5	-	-	9+	9+	600
16	~~Lerwick~~ Sumburgh														
17	Blacksod Point	1024·1	-10	—	0	c	66	85	7	-	7	-	0	10	-
18	Malin Head	1025·3	-8	E	2	c	59	85	7	6	-	-	9	9	4000
	Aldergrove	1026·0	-10	—	0	c	74	55	7	5	-	-	9	9	3500
19	Birr Castle	1024·6	-12	SSW	1	c	75	65	8	5	-	-	7-8	7-8	2500
20	Valentia Obsy. †	1024·6	-6	S'W	4	c	72	75	8	7	-	-	9+	9+	4000
	Roches Point	1025·6	-6	ESE	3	bc	64	85	8	5	-	-	4-6	4-6	2500

OBSERVATIONS at 18h. G.M.T. 29th June — 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. 29th (37)	Weather 13h.–18h. 29th (38)	Weather 18h 29th to 1h. 30th (39)	Weather 1h.–7h. 30th (40)
London (Kew)	1022·8	-12	NNE	3	b	72	45	8	1	-	-	1	1	2500	0	*	bccbcy	bcby	byb	bbccmow
Croydon	1022·6	-2	N'W	3	b	71	55	8	1	-	-	1	1	4500	0	*			byb	bwcmom
S. Farnborough	1022·7	-6	NNW	2	bc	73	45	8	1	-	-	2-3	2-3	4000	0	*	cvcy	cybc	bbw	bcc ⊕
Boscombe Down	1023·0	-10	N	2	zo	72	65	7	1	-	-	Tr	Tr	5000	0	*	cmoc	cbczo	bzo	bcfmo
Thorney Island	1023·4	-10	SSW	2	b	62	85	6	1	-	-	Tr	Tr	4000			cbcc	cb	b	c
Lympne	1023·5	0	SE'E	3	b	57	85	8	4	-	-	Tr	Tr	1200	0	§		b	bbccmo	cmoc
Manston	1023·9	0	NE'E	2	b	58	75	8	1	-	-	Tr	Tr	2500	0	*	c	cb	b,c	c
Shoeburyness	1023·7	-2	ESE	3	b	59	85	8	-	-	-	0	0	-	0	*	cbcby	byb	bbcc	cbcc
Felixstowe	1023·4	-8	E'N	3	b	61	75	8	5	-	-	1	1	3000	0	2	cvbcvy	bcvybv	b,c	c
Gorleston	1024·0	-2	N	3	c	56	75	7	5	-	-	9+	9+	1500	0	3	c	c	c	cm.dod
Mildenhall	1023·9	-2	N	3	b	64	55	9	1	4	-	Tr	Tr	3000	0	*	cvbcv	bcvbvy	bvyb,c	c
Cranwell	1024·0	+2	ENE	4	b	65	75	8	-	-	4	0	1	-	0	*	cbc	b	bcb	b,c
Birmingham	1023·0	-10	N	2	c	70	55	7	5	-	-	9+	9+	2500	0	*	c	c	c	cbc
Upper Heyford	1023·1	-12	NNW	2	zo	72	55	6	4	-	-	Tr	Tr	2500	0	*	bccmoc	czobczoy	bzoybcb	bbcmoofo
Ross-on-Wye	1022·8	-10	N'W	2	bc	73	65	7	7	-	-	4-6	4-6	4000	0	*	oc	bccbc	bccmo	cfbFwcf
Hartland Point	1023·4	-4	N	1	b	63	85	7	-	-	-	0	0	-	0	2	ffbc	bcb	bbc	cFF
Bristol	1023·1	-6	NNE	2	c	74	65	8	7	3	-	2-3	7-8	3000	0	*	cmoc	cbc	bcbmo	bmowbc
Portland Bill	1023·1	-6	W	2	c	62	85	7	2	-	-	7-8	7-8	2500	0	2	c	c	bc	o
Plymouth	1023·9	-6	SSW	2	zo	63	85	6	5	-	-	9+	9+	2000	0	2	b,czob	bzo,cmo	bmobm	bmowcm
The Lizard	1025·3	-12	—	0	b	68	75	6	-	-	-	0	0	-	0	2	bc	bcmz	bczow	bc
Scilly (St. Mary's)	1023·7	-10	ENE	2	b	69	75	7	-	-	-	0	0	-	0	2	cbcb	b	bffe	bbc
Guernsey																				
Pembroke	1024·0	-10	WNW	1	bc	64	75	7	7	-	-	2-3	2-3	4000	0	1	bczo	bc	bc	ffe
Valley	1023·8	-10	NW	2	b	68	75	8	1	-	1	Tr	1	3000	0	1	d	jfbcb	bc	bcbfgbcw
Chester (Sealand)	1023·7	-8	NW	3	bc	64	85	7	-	3	-	0	2-3	-	0	*	cmozobc	bbc	bcc,mfmw	bmcfmo
Manchester	1023·7	-10	N'W	1	zo	71	65	6	5	3	-	7-8	9	2500	0	*	czobzo	procc.	c	bczo
Spurn Head	1024·9	0	N'E	4	c	57	75	7	5	-	-	7-8	7-8	4000	0	3	bc	c	o	c
Catterick	1024·4	-2	ENE	2	bc	66	65	7	5	3	-	1	4-6	5700			bczo	bc	bcfbcm	bcmfmo
Tynemouth	1025·7	-4	NE	2	bc	59	85	8	1	3	-	2-3	4-6	3600	0	2	cvc	c	bc	bcc
St. Abbs Head	1025·2	-6	NE	2	bc	59	85	9	5	7	-	7-8	9+	3500	3	2	c	c	c	ciro c
Leuchars	1024·9	-2	ESE	4	c	61	85	8	-	3	-	0	9+	-	0	*	cbc	bcc	c	ccmoc
Renfrew (Abbots I.)	1023·2	-12	NW	2	c	75	65	8	2	-	4	2-3	7-8	2500	0	*	bcifc	cbcy	bc bbcc	ccmo
Eskdalemuir	1023·7	-8	SSE	1	c	66	75	8	8	7	-	4-6	10	2500	1	*	bcc	cpfoc		
Point of Ayre	1024·3	-8	WNW	2	b	66	75	8	1	4	1	Tr	1	2500	0	1	ifbc	b	b	c
Tiree	1024·0	0	SE	2	c	61	85	8	5	-	-	10	10	2500	0	3	c	o	cbc	bcord
Stornoway	1023·7	-12	SSE	4	c	55	92	8	5	7	-	4-6	9+	2500	1	2	cbc	bcc	c	cdodo
Dalwhinnie	1024·5	-6	WNW	2	c	71	55	8	2	-	-	4-6	7-8	2500	0	*	ocy	cy	*	vc
Aberdeen	1025·1	-6	ESE	2	c	59	85	8	5	-	-	9	9	200	0	0	c	cbcc	cbmo	c
Wick	1025·2	-2	E'S	1	ido	56	97	4	5	-	-	10	10	200	0	*	d	d	d	d
Sumburgh	1025·0	-6	NW	2	cjf	56	92	7	5	3	-	9	9+	1100		*		f	c	c
Blacksod Point	1021·8	-12	SW	2	c	66	85	7	-	6	-	0	7-8	-	0	2	c	c	c	ido
Malin Head	1023·1	-14	E	2	c	66	65	7	8	-	-	9	9	4000	0	2	c	c	c	c
Aldergrove	1024·1	-8	ENE	1	bc	70	75	7	8	-	1	4-6	4-6	3000	0	*	cmobc	cy	bccb,cmo	bc
Birr Castle	1022·8	-6	SSW	1	bc	75	65	8	4	-	-	4-6	4-6	2500	0	*	c	cbc	bcb	c
Valentia Obsy. †	1023·0	-8	S'E	4	c	69	75	8	5	-	-	7-8	7-8	4000	0	4	c	cbc	bcwcw	cddc
Roches Point	1024·1	-10	SE	2	b	65	85	8	1	-	-	Tr	Tr	4000	0	2	cbc	b	FFec	Fec

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.*

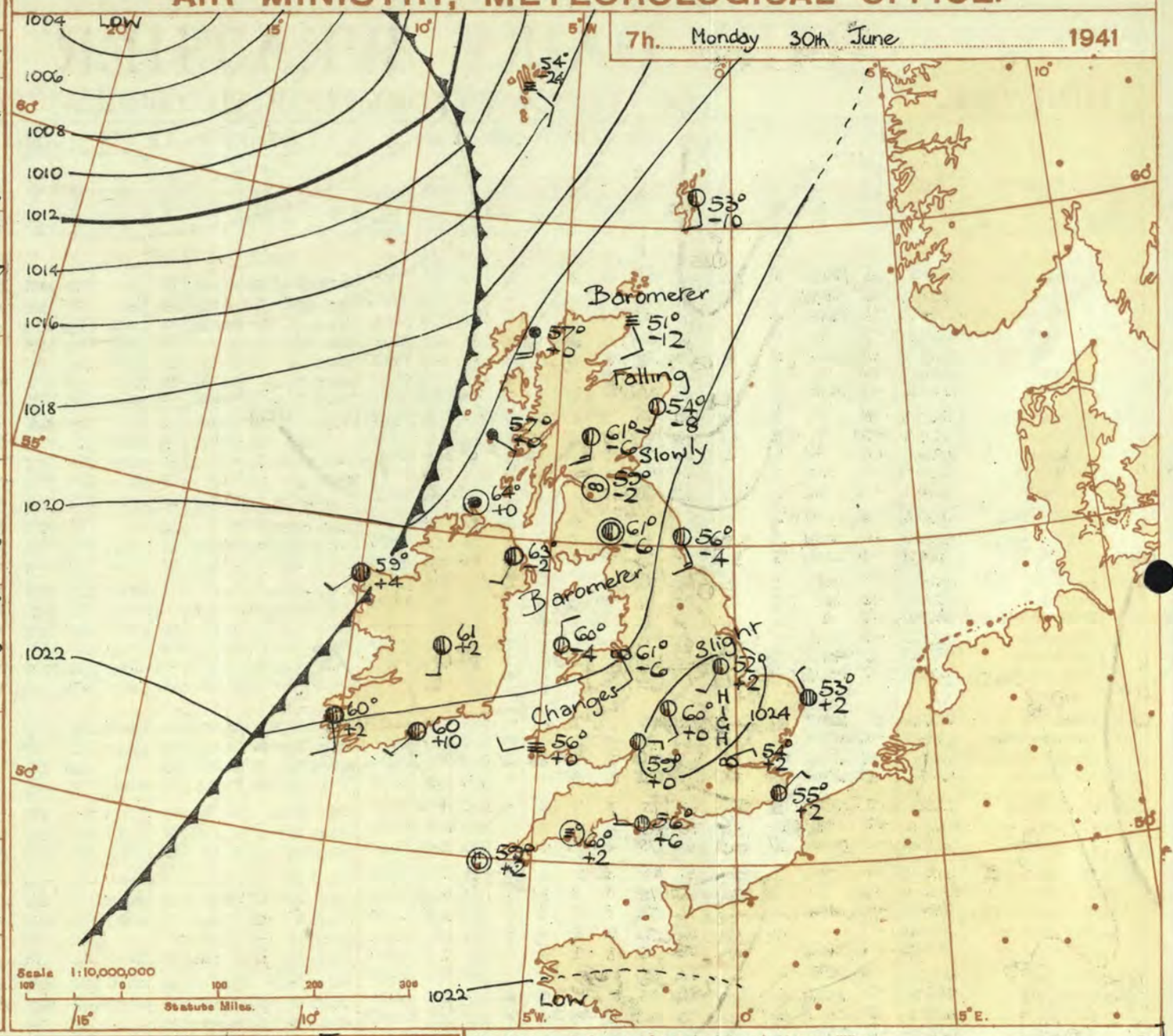
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday 30th June 1941

Abridged observations of additional stations in the AVIATION WEATHER CODE

	13h. G.M.T. 29th June				18h. G.M.T.			01h. G.M.T. 30th June				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-	03838	31248	5-	02846	04226	5-	57408	18328	5-	42409	14249
115	--	44309	18249	54	02844	12245	54	02844	16225	54	02544	20225
203	54	05844	16245	5-	02846	16126				5-	03838	16328
206	73	02865	08226	43	01562	08324	5-	51528	00058	5-	41637	00048
210	10	01972	05423	13	01861	06315	--	48109	20149	5-	41408	00048
220	13	02562	20216	52	02864	18228				5-	58528	20358
230	8-	02867	00027	20	02861	00015	50	05772	00012	51	05766	00018
245				53	02776	08127	5-	02778	12128	53	09722	16257
260	7-	02876	02217	83	02875	04226	5-	05626	04126			
277												
279	8-	02867	19317	53	02863	28667				03	05690	28127
285										5-	02857	00027
288	10	00751	02422	03	01790	02313	04	05690	18114	03	05690	20117
273												
301	5-	09724	24225	03	05690	28115	50	08462	00013	03	05590	12213
321	57	01753	30313	50	00862	04302	04	05690	11203	5-	05656	16116
299	50	01754	30314	57	01754	32315	5-	02747	30327	57	02745	00026
292	10	05651	04312	50	00862	02302	07	01890	00014	17	05561	15214
310										2-	04643	23213
316	10	05653	32323	10	00861	32211	03	05690	06213	5-	08438	16118
333	20	01852	26312	2-	01851	25202	50	05663	00013	50	01763	16213
334										--	02545	24216
340	20	01754	28224	3-	05637	32227	5-	05674	00024	03	05690	10223
136	50	01954	01424	5-	01955	02315	5-	02848	06128	5-	02848	28128
336										52	05542	14216
350	1-	01754	30224	10	00761	02212	03	05690	02201			
368	10	05661	14121							5-	05568	08128
379	53	02764	32225	53	05663	02215	00	05690	32100	00	01790	08114
390	50	01854	26314	14	00761	32201	50	05633	00013	5-	05635	32127
382	7-	02866	01326	03	05690	01202	04	00890	00001	5-	08428	05218
438	74	01863	16314							5-	02737	00027
430	20	01864	16314	06	00890	16201	03	05690	04301	5-	05646	16117
409	5-	09783	32143	50	09641	32311	00	45290	32140	50	08414	00044

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 30th June, 1941
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Wind variable, becoming westerly, light; fine and warm in most places, patches of fog on western coasts.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Light variable wind becoming S.W. - W.; fair, but cloud increasing; fog patches on western coast; rather warm.
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 S.W. wind; cloudy; some drizzle; coast and hill fog at first, bright intervals later; average temperature, or rather warm.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light variable wind, becoming southwest; fair; rather warm.

Ap 12 - 17

GENERAL INFERENCE.

A ridge of high pressure extends from S.W of the Azores across England to Scandinavia. A depression is centred off South Iceland, and an associated trough of low pressure off West Scotland and Ireland is moving slowly east. Weather will be fine and warm in the Southeast but cloudy with slight rain or drizzle in the Northwest.

FURTHER OUTLOOK.

Continuing fair and warm in the South; occasional rain in the North.

Cold Front
Warm Front
Occlusion

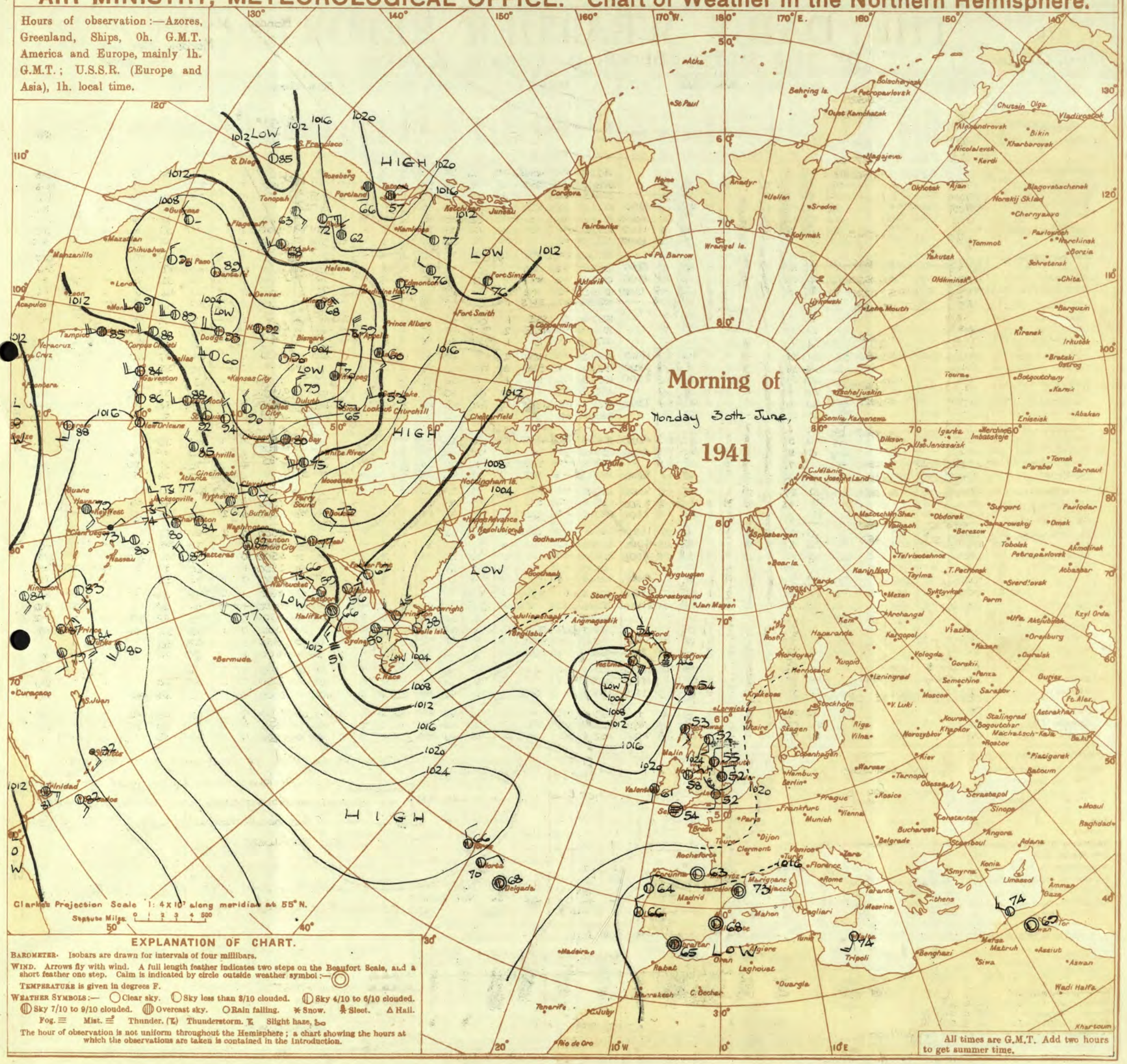
Forecasts issued at 1030h G.M.T.

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

H.M.S.O. Press, Cornwall House, S.E.1. G.266.We.8176.D.6034.Gp.943.9300.5/41.

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

Monday 30th June 1941

No. 29075

OBSERVATIONS at 1 hr. G.M.T. 30th June

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	1023·3	0	S	1	b	52	97	7	–	4	–	0	Tr	–
	S. Farnborough	226	1023·6	+2	±	0	b	54	97	7	–	–	–	0	0	–
	Boscombe Down	417	1023·6	+2	SE'E	1	zo	56	97	6	S	–	–	2-3	2-3	1500
	Thorney Island	10	1023·5	–2	E'N	1	b	53	97	7	S	4	–	Tr	Tr	4000
	Lympne ...	346	1023·9	0	ENE	1	zo	53	92	6	S	–	–	10	10	1300
	Manston ...	154	1023·5	–6	NE	1	c	54	85	7	S	–	–	10	10	1300
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	1023·7	–2	NE'E	2	c	53	85	8	S	–	–	10	10	1300
	Gorleston ...	5	1024·0	–4	N'W	2	c	53	92	7	S	–	–	10	10	1500
	Mildenhall ...	19	1024·0	+2	–	0	c	46	97	7	S	–	–	10	10	1200
	Cranwell ...	240	1024·2	–4	–	0	bc	50	92	7	–	3	–	0	2-3	–
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	1024·1	+2	NE	1	b	54	92	7	–	–	–	0	0	–
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Hartland Point	299	1022·9	–4	SW	3	bc	61	92	7	S	–	–	4-6	4-6	1500
	Bristol ...	209	1023·1	–4	–	0	zo	61	92	5	S	–	–	2-3	2-3	3500
	Portland Bill ...	32	1022·3	–4	W	1	bc	56	85	7	S	–	–	2-3	2-3	2500
	Plymouth ...	82	1023·6	–2	–	0	m	60	97	4	–	–	–	0	0	–
	The Lizard ...	240	1023·2	–2	–	0	bc	60	97	6	4	–	1	2-3	2-3	2500
	Scilly (St. Mary's)	163	1023·5	–4	–	0	b/f	54	97	5	–	–	–	0	0	–
	Guernsey ...	175														
6	Pembroke ...	142	1023·7	0	WSW	1	bc	59	85	7	7	–	–	2-3	2-3	4000
7	Holyhead Valley	26	1022·3	–6	NE	1	bc	58	97	7	5	–	–	4-6	4-6	4000
	Chester (Sealand)	16	1023·5	–2	–	0	m	54	92	4	–	3	–	0	2-3	–
8	Manchester ...	70	1023·6	–2	NNE	2	zo	63	75	5	5	–	–	10	10	2500
10	Spurn Head ...	29	1024·5	–4	N	2	0	52	85	7	5	–	–	10	10	2500
	Catterick ...	175	1024·6	–4	–	0	m	51	97	4	5	3	2	2-3	4-6	5500
	Tynemouth ...	108	1025·0	–6	N	1	bc	55	85	7	2	3	1	2-3	4-6	2500
11	St. Abbs Head	280	1024·2	–4	SE	2	c	54	92	8	5	5	–	9	10	1500
	Leuchars ...	36	1024·0	–4	ESE	2	c	55	97	8	5	–	–	10	10	4000
12	Renfrew (Abbotsl.)	19	1023·3	–2	E	2	c	59	85	7	5	3	–	7-8	7-8	3000
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1023·3	0	SSE	1	b	54	97	8	4	4	1	Tr	1	4000
13A	Tiree ...	22	1020·7	+10	SE	3	bc	55	85	8	5	*	*	2-3	2-3	2800
13B	Stornoway ...	80	1021·9	–6	SE	1	c	53	97	7	5	7	–	7-8	10	2000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1023·8	–8	–	0	dF	53	97	1	–	–	–	10	10	<150
16	Lerwick Sumburgh	156	1024·1	–6	–	0	zo	51	97	6	5	–	5	10	10	700
17	Blacksod Point	18	1020·6	–8	S'W	2	c	60	92	7	5	–	–	10	10	2500
18	Malin Head ...	84	1020·8	–10	S	3	c	65	75	7	9	–	–	9	9	1500
	Aldergrove ...	268	1023·1	–2	SSW	1	c	57	92	6	5	–	6	Tr	7-8	3500
19	Birr Castle ...	173	1022·8	0	S	1	b	60	97	8	–	–	–	0	0	–
20	Valentia Obsy.	30	1022·1	–8	S	2	c	61	97	7	5	–	–	9+	9+	800
	Roches Point	22	1022·9	–4	S'E	2	f+	58	97	*	5	–	–	7-8	7-8	800

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

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)	1023·8	+4	NNW	2	zo	56	85	5	5	–	–	10	10	1500	0	*
	Croydon ...	1023·5	+2	ENE	1	zo	54	97	5	5	–	–	9+	9+	800	0	*
	S. Farnborough	1023·8	+6	–	0	c	55	85	7	–	3	8	0	7-8	–	0	*
	Boscombe Down	1023·4	–2	E'N	2	bc	59	75	7	–	–	1	0	2-3	–	0	*
	Thorney Island	1023·5	+6	–	0	bc	59	85	8	5	8	2	Tr	4-6	4000	0	
	Lympne ...	1023·6	+2	NE	1	c	55	92	8	5	–	–	10	10	1500	0	§
	Manston ...	1023·5	+2	–	0	c	56	75	8	5	–	–	9+	9+	1600	0	*
2	Shoeburyness ...	1023·6	+4	N'E	2	c	57	85	8	5	–	–	9	9+	2500	0	*
	Felixstowe ...	1023·7	+2	NE	1	c	53	85	8	5	–	–	10	10	900	0	1
	Gorleston ...	1025·7	+2	NNW	1	o/d	53	92	7	5	–	–	10	10	1200	0	3
	Mildenhall ...	1023·9	+2	NNE	1	c	53	85	8	5	–	–	10	10	1500	0	*
	Cranwell ...	1024·3	+2	SWS	1	c	52	92	8	5	1	–	4-6	*	1500	0	*
3	Birmingham ...	1022·8	0	SSE	1	bc	60	75	6	–	–	2	0	4-6	–	0	*
	Upper Heyford	1024·4	+4	NE'E	2	m/f	49	97	4	5	–	–	10	10	300	0	*
4	Ross-on-Wye	1022·9	0	E	1	zo/f	59	92	6	5	–	–	9+	9+	4000	0	*
5	Hartland Point	1022·9	+4	WSW	2	F	59	97	1	–	–	–	10	10	<150	0	2
	Bristol ...	1023·1	–4	ESE	3	bc	62	75	7	–	3	4	0	4-6	–	0	*
	Portland Bill ...	1022·8	–6	W	1	0	56	92	7	5	–	–	10	10	2500	0	2
	Plymouth ...	1023·3	+2	–	0	m	60	97	4	5	–	–	10	10	2500	0	1
	The Lizard ...	1023·2	+2	WSW	2	bc	62	92	7	4	–	–	2-3	2-3	3500	0	2
	Scilly (St. Mary's)	1023·0	+2	–	0	bcjf	59	97	6	5	–	–	2-3	2-3	1500	0	2
	Guernsey ...																
6	Pembroke ...	1023·8	0	WSW	2	bc	56	97	1	–	–	–	10	10	<150	0	2
7	Holyhead Valley	1021·6	–4	N	2	bc	60	85	7	–	–	2	0	4-6	–	1	1
	Chester (Sealand)	1021·9	–6	SE'S	2	zo	61	85	5	–	3	1	0	4-6	–	0	*
8	Manchester ...	1022·7	–6	SSE	1	zo	63	75	5	–	3	–	0	1	–	0	*
10	Spurn Head ...	1023·8	+2	N'E	1	c	53	85	7	5	–	–	9+	9+	1500	0	2
	Catterick ...	1023·3	–2	S'E	2		53	92		5	–	–		9+	5500	0	*
	Tynemouth ...	1023·5	–4	SSE	3	c	56	85	7	8	3	–	4-6	7-8	2200	0	2
11	St. Abbs Head	1021·9	–10	SE	3	c	53	97	8	5	7	–	9	10	2000	0	2
	Leuchars ...	1022·3	–2	–	0	c	55	92	7	5	–	–	10	10	2800	0	*
12	Renfrew (Abbotsl.)	1022·3	–2	–	0	zo	59	85	6	5	3	1	4-6	9+	5500	0	*
	Eskdalemuir ...	1021·7	–6	–	0	c	61	92	8	5	–	–	10	10	2500	1	*
	Point of Ayre ...	1021·8	–2	S'E	2	c	61	85	7	5	1	–	9	9+	2000	0	1
13A	Tiree ...	1019·5	0	SE'E	2	d.d.	57	97	6	5	–	–	10	10	800	1	2
13B	Stornoway ...	1020·1	0	S	4	d.d.	57	97	6	5	–	–	10	10	1000	1	2
15	Dalwhinnie ...	1022·4	–6	S	3	c	61	85	8	8	7	2	7-8	9+	2500	0	*
	Aberdeen ...	1021·7	–8	S'W	3	bc	54	92	6	5	8	9	1	2-3	900	0	1
	Wick ...	1020·3	–12	SE'S	2	f	51	97	2	–	–	–	10	10	<150	1	
16	Lerwick Sumburgh	1021·9	–10	SSE	2	c	53	92	7	5	–	–	9+	9+	600	*	*
17	Blacksod Point	1021·0	+4	SW	1	o/d	52	97	7	6	–	–	10	10	800	1	2
18	Malin Head ...	1020·2	–2	–	0	c	64	75	8	9	–	–	9	9	2500	0	2
	Aldergrove ...	1021·6	–2	S'W	1	c	63	85	7	5	3	–	4-6	9	3500	0	*
19	Birr Castle ...	1022·0	+2	S	1	c	61	92	8	5	1	–	7-8	9+	4000	0	*
20	Valentia Obsy.	1022·3	+2	S'E	2	c	60	97	8	5	7	–	7-8	9+	1500	1	2
	Roches Point	1022·8	+10	SW	1	c	60	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)	Min. on Grass °F. (33)	Rainfall Day 7h–18h mm. (34)	Rainfall Night 18h–7h mm. (35)	Sunshine 28th Hrs. (36)
1	London (Kew)	73	50	41	–	–	12·8
	Croydon ...	74	47	46	–	–	12·8
	S. Farnborough	75	48	40	–	–	11·2
	Boscombe Down	74	52	47	–	Tr	5·6
	Thorney Island	74	48	4[illegible]	–	–	*
	Lympne ...	67	53	52	–	–	9·9
	Manston ...	64	53	52	–	–	9·2
2	Shoeburyness ...	70	54	50	–	–	10·9
	Felixstowe ...	68	52	51	–	–	9·6
	Gorleston ...	58	52	51	–	Tr	*
	Mildenhall ...	68	44	35	–	–	11·2
	Cranwell ...	74	47	43	–	–	12·2
3	Birmingham ...	72	54	44	*	–	1·0
	Upper Heyford	74	47	43	–	–	*
4	Ross-on-Wye	75	54	49	–	–	3·6
5	Hartland Point	64	57	55	–	–	10·0
	Bristol ...	75	55	47	–	–	5·7
	Portland Bill ...	65	54	*		–	*
	Plymouth ...	69	57	50	–	–	10·0
	The Lizard ...	69	58	*	–	–	13·0
	Scilly (St. Mary's)	72	51	*	–	–	10·0
	Guernsey ...						
6	Pembroke ...	67	53	*	–	–	14·6
7	Holyhead Valley	69	54	46	–	–	*
	Chester (Sealand)	72	54	50	–	–	8·6
8	Manchester ...	73	56	52	–	–	1·9
10	Spurn Head ...	61	51	*	–	–	7·9
	Catterick ...		48	43		–	9·1
	Tynemouth ...	62	53	51	–	–	*
11	St. Abbs Head	61	52	*	–	Tr	*
	Leuchars ...	70	54	52	–	–	2·6
12	Renfrew (Abbotsl.)	78	56	52	–		12·0
	Eskdalemuir ...	69	57	55	Tr	–	2·4
	Point of Ayre ...	68	53	*	–	–	11·1
13A	Tiree ...	63	54	*	–	1	1·1
13B	Stornoway ...	61	53	*	.	Tr	8·0
15	Dalwhinnie ...	71	55	50	–	–	7·2
	Aberdeen ...	63	51	44	–	–	1·9
	Wick ...	62	50	*	*	*	*
16	Lerwick Sumburgh	57	50	*	*	*	*
17	Blacksod Point	70	57	*	–	1	*
18	Malin Head ...	66	58	*	–	–	0·0
	Aldergrove ...	76	54	46	–	–	2·7
19	Birr Castle ...	78	55	49	–	–	3·9
20	Valentia Obsy.	72	59	56	–	0·1	6·5
	Roches Point	66	58	*	–	0·1	*

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.
Kew ...	18	bcdbcy			73	50	41	–	–	12·8	*	*	6
Croydon ...	217				74	47	46	–	–	12·8	*	*	6
Greenwich (Royal Observatory) ...	149	cbcy	by	bcW	73	51	38	–	–	11·8	48	70	6
City (Bunhill Row) ...	—	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Park) ...	27	*	*	*	76	54	52	–	–		45	73	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	77	51	49	–	–		48	71	*
Camden Square ...	110	bc	bc	*	76	52	49	–	–	*	*	81	*
Kensington ...	80	bc	bcd	*	75	51	42	–	–		47	77	*
Hampstead Observatory ...	450	bc	bc	bc	71	48	43	–	–		*	77	*

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.
0·2	6h 30th	<0·1	7-23h 29th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. Evening, 29th June Barom. mb.	Wind Direc.	Wind Force	Weather	Temp. °F.	7h. G.M.T. Morning, 30th June 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 ... Reykjavik (18h. & 7h.) ...	1013·9	SE	4	c	63	1002·9	NNW	4	r.r.	50	64	48	–	5
Brussels Lisbon (18h. & 7h.) ...	1013·5	WSW	4	zo	73	1015·2	WNW	2	zo	68	73	63	–	–
Berlin Madrid (18h. & 7h.) ...	901·0	SSE	2	bc	75	902·8	ENE	2	b	*	79	75	–	–
Zürich Cairo (Heliopolis) (18h. & 6h.) ...						1014·5	N	1	b	75		68		–
Rome Toronto (13h. & 01h.) ...											*	*	*	*
Washington (13h. & 01h.) ...														

* Pressure reduced to level of 1000 dynamic metres. 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—glassy.	5 Rough.
1 Calm—rippled.	6 Very rough.
2 Smooth.	7 High.
3 Slight.	8 Very high.
4 Moderate.	9 Phenomenal.

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