M.O FORM 2373

THE DAILY WEATHER REPORT

BRITISH SECTION

1st January to 31st March

1938.

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

INTRODUCTION

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

NOTES REGARDING THE BRITISH SECTION.

Description of each issue:—The British section is issued daily by 12.30 p.m. (except that Sunday's issue is printed on Monday) and contains—

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

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

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

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

(*e*) On p. 2, a table of weather reports from British health resorts for the previous day, arranged under forecast districts.

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

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

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

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

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

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

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

Sector.	Hour of Observation.
U.S.S.R. (approx. 170° E. to 30° E.)	7h. local time.
30° E. to 40° W....	6h. or 7h. G.M.T. (Azores 8h.)
40° W to 170° W	0h. or 1h G.M.T

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

Sector.	Hour of Observation.
U.S.S.R. (approx. 170° E. to 30° E.)	1h. local time.
30° E. to 170° W.	0h. or 1h. G.M.T.

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

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

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

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

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

The International and Upper Air Sections.

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

The International Section contains 4 pp. per day and is issued daily by 3.30 p.m., but the issues for Saturday and Sunday are made on Monday. The " International Section" contains information received from the Continent of Europe, the Mediterranean Basin, Iceland and the Azores, and from ships on the Atlantic, arranged as follows :—

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

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

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

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

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

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

THE BEAUFORT SCALE OF WIND FORCE.

Beaufort Number.	Admiral Beaufort's General Description of Wind.	Specification for use on Land, based on observations made at British Land Stations.	Limits of Mean Velocities Statute Miles per Hour as recorded by well exposed anamometers 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.

1324/3

1h. G.M.T.

1h. Local Time.

Oh. G.M.T.

Ships Oh. G.M.T.

Land Stations

Oh. G.M.T.

Ships Oh.

Oh. G.M.T.

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

Statute Miles 0 1 2 3 4 800

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

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.
    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.
    Farmanagh.
    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 raingauges 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.

Valentia.—The observations at 1h. G.M.T. are taken at the Post Office Wireless Station on Valentia Island, those at all other hours at the Observatory near Cahirciveen on the mainland.

Holyhead.—As from 10th February, 1934, as the result of a series of comparisons with another gauge surrounded by a turf wall, the raingauge at this very exposed station was moved a short distance from its former position, and surrounded with a standard turf wall, with a view to increasing the catch to that appropriate to the locality.

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.

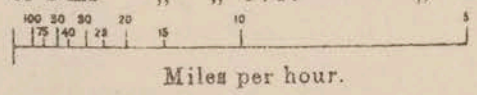
The wind at a height of 1,500-2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the upper wind is about 12 m.p.h. in latitude 55°, with a temperatnre 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;
f the saturation vapour pressure at the temperature of the wet bulb;
t the dry bulb temperature; and
t' the wet bulb temperature.

The entries in columns7 and 21 are limited to 10, 25, 35, etc., to 85, 92 and 97. Entry 10 indicates that relative humidity is between 0 and 19: 25, between 20 and 29; .....and so on; 92, between 90 and 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. Until and including 29th March, 1936, the number of feathers on the arrows denotes wind force by Beaufort number. from 30th March, 1936, 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, Adastral House, Kingsway, W.C.2, price 5s. 2d. post free. (Reprinted 1933).
Corrections and additions can be obtained, if required, on application to the Meteorological Office.

H.M. Stationery Office Press, Kingsway, W.C.2.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY SUPPLEMENT, MARCH 1938. No. 255.

Unprecedentedly warm; exceptionally dry; very sunny in England.

The persistently high day temperatures enjoyed throughout practically the whole of Great Britain during March 1938 have no parallel in the statistics of British weather. The mean maximum temperature of 58.3°F. at Kew and 54.7°F. at Aberdeen easily exceed those of any March since 1870; Greenwich with 59.3°F. for the Glaisher screen established a record for a century. Individual maxima of 60°F. or more were unusually frequent; Croydon 17 days, Chester 9 days, Aberdeen 6 days.

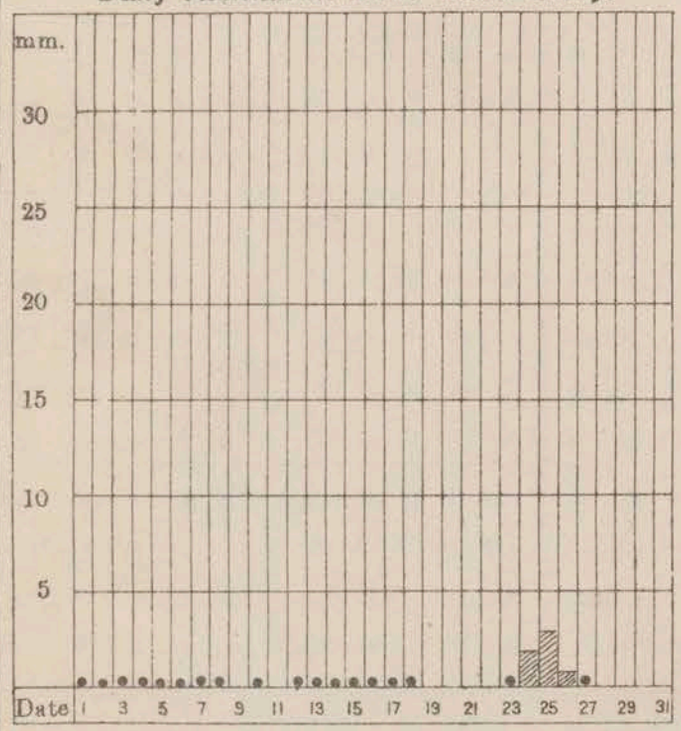
"Absolute drought" prevailed from the 1st over practically the whole of S. and E. England, the Midlands and E.Scotland for a period of 16 days on the South coast,17 days at Leuchars, and for 23 days over most of the area. At Ross-on-Wye the drought was still unbroken on April 1st after 33 days. Over much of England and E.Scotland the total rainfall varied from only 5 to 12 mm; Ross-on-Wye with only 0.5 mm had the driest March since 1859 and Falmouth and Tynemouth set up new long period records.

Whilst sunshine was less than normal in the northwest half of the British Isles, there was an increasing excess southeastwards across the country, with totals exceeding 200 hours in Kent. Lympne with 207 hours enjoyed its sunniest March since records began in 1920.

Gales were relatively frequent in Scotland and sometimes in North Ireland and N. England, notably on the 5th, 9th and again on the 24th. Eskdalemuir experienced a gust of 73 m.p.h. on the 9th. The first half of the month was fine in most areas but with early morning fog, particularly on the 7th and 8th, which persisted at times at sea and round the coasts of England. Although maxima exceeded 60°F., local screen frosts and more generally, ground frosts, were occasionally quite sharp in the early hours. Minima fell to 22°F. at S. Farnborough early on the 8th, and grass minima of 16°F. to 18°F. were recorded in places on the 4th. The diurnal range was occasionally as much as 35° to 40°F.

The third week was cooler and less settled. After 10 hours or more of sunshine on the 14th, there were considerable falls of rain in the N. and NW. during the next few days, Dunoon having 84 mm. during 15th - 16th and Ambleside 26 mm. on 15th. Slight falls broke the drought on the South coast on the night of 16th. During the 16th - 24th a belt of rain moved slowly southeastwards across the country finally bringing the absolute drought to an end. There was sharp drop in temperature of about 10°F., with snow and sleet locally in Scotland, but towards the end of the month fair warm weather was re-established.

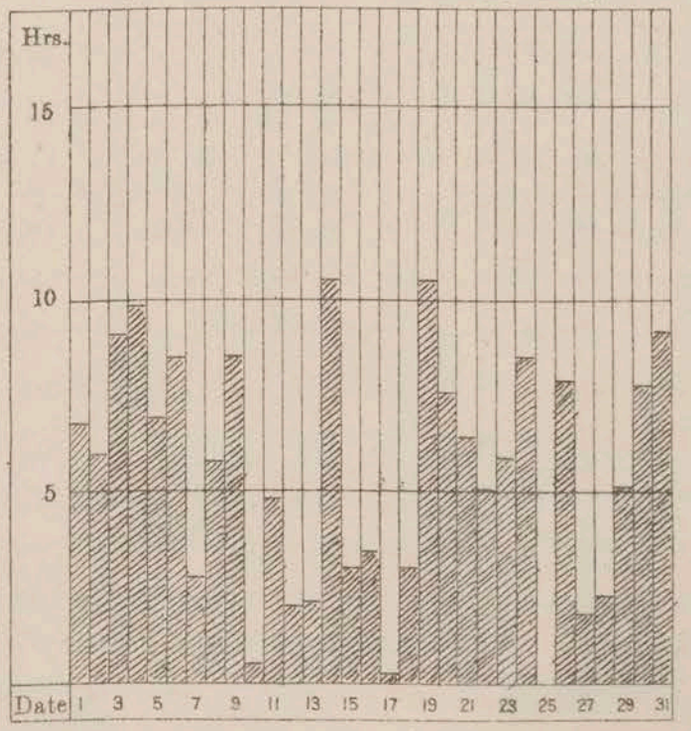
Daily Rainfall at KEW Observatory.



● = Less than 0·5 mm.

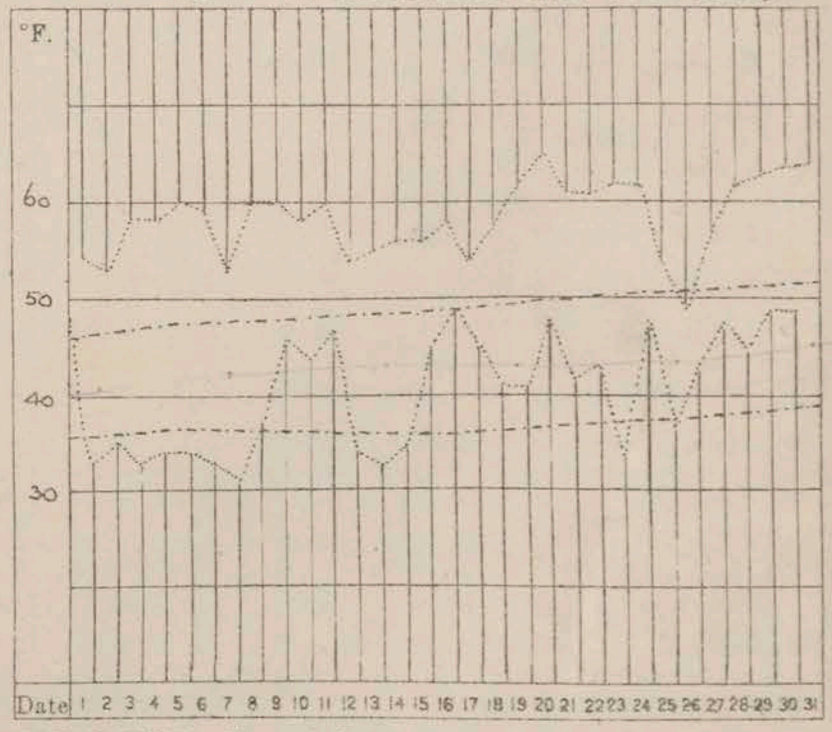
RAINFALL. Total for Month. 6· mm.

Daily Sunshine at KEW Observatory



SUNSHINE. Total for Month. 173 hrs.

Daily Range of Temperature at KEW Observatory.



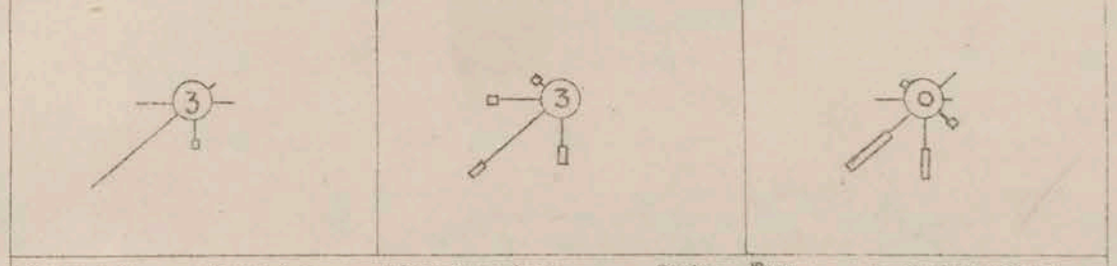
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

Stations.	Pressure Mean	Pressure Difference from average	Temperature Mean	Temperature Difference from average
	mb.	mb.	°F.	°F.
Kew	1024.5	+11.1	49.5	+5.6
Aberdeen	1014.8	+5.5	48.9	+7.6
Valentia	1022.9	+10.2	49.5	+3.2

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

WIND FREQUENCIES AT 7 hr.



Forces 1–3 —— ; forces 4–7 ═══ ; force 8 or above ▬▬ . Scale ; 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 ...	6,213
Aberdeen ...	7,125
Lerwick ...	18,513
Valentia ...	9,643

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

† TEMPERATURE.

District.	Stations.	Number of daily readings within fixed limits. Maximum. 33° - 41°	42° - 50°	51° - 59°	60° - 68°	Average Maximum.	Minimum. 24° - 32°	33° - 41°	42° - 50°	51° - 59°	Average Minimum.	Extremes—Warmest and Coldest. Days. Highest Max. °F.	Date.	Lowest Max. °F.	Date.	Nights. Highest Min. °F.	Date.	Lowest Min. °F.	Date.	Number of Ground Frosts.
1	London ...	0	1	16	14	50.3	1	14	16	0	37.5	65	20	49	26	49	{17 30}	31	8	15
	(Kew Obsy).																			
	Croydon ...	0	1	13	17	50.3	1	14	16	0	36.7	66	30	50	26	49	{17 30}	30	13	7
	Calshot** ...	0	4	25	2	49.1	4	11	16	0	37.9	61	{28 30}	43	5	50	28	29	{4 6}	7
	(Southampton)																			
	Lympne ...	0	3	26	2	47.7	1	20	10	0	36.2	65	30	48	26	47	11	31	5	12
2	Shoeburyness ...	0	4	14	13	49.7	3	13	15	0	35.3	68	30	48	23	49	30	28	8	11
	Gorleston ...	0	8	9	14	47.3	0	18	11	2	37.1	66	{30 31}	43	23	51	{17 30}	34	{2 4 5}	0
	Cranwell ...	0	2	16	13	49.3	2	16	13	0	34.3	65	20	47	26	50	30	31	23	10
3	Birmingham ...	0	3	22	6	48.5	0	17	14	0	36.1	64	31	47	{3 26}	50	30	33	8	8
	(Edgbaston)																			
4	Ross-on-Wye ...	0	1	20	10	50.0	8	8	15	0	36.4	65	30	49	26	50	21	28	8	16
5	The Lizard ...	0	7	23	1	*	0	7	24	0	*	60	23	47	4	48	30	37	{4 5}	*
7	Holyhead ...	0	12	18	1	48.0	0	3	28	0	40.3	60	12	46	8	49	30	35	8	0
8	Chester ...	0	5	17	9	49.7	3	9	16	3	35.5	63	5	46	25	54	30	27	23	7
	(Sealand)																			
10	Tynemouth ...	0	3	24	4	46.9	1	7	20	3	37.7	61	30	46	26	54	30	32	26	0
11	Leuchars ...	0	5	23	3	47.4	2	11	17	1	35.1	63	11	46	26	51	31	29	22	7
12	Renfrew ...	0	11	19	1	47.9	2	10	18	1	34.8	60	13	45	{25 26}	51	31	29	22	4
	Eskdalemuir ...	0	19	11	1	45.3	3	13	15	0	31.8	61	11	43	26	49	30	24	22	4
13B	Stornoway	1	14	16	0	46.5	1	10	20	0	36.9	56	11	41	26	49	{5 29 30}	32	26	*
15	Aberdeen ..	0	5	20	6	46.5	3	5	22	1	36.1	66	30	43	26	54	31	28	22	4
18	Aldergrove ...	0	5	26	0	*	2	11	17	1	*	59	13	47	1	51	30	31	8	4
19	Dublin ...	0	4	23	4	49.5	4	10	16	1	34.9	63	13	47	20	52	30	26	7	7
	(Phœnix Park)																			
	Birr Castle ...	0	1	29	1	50.3	3	11	12	5	36.7	60	7	48	25	51	{16 19 29 30}	29	22	*
20	Valentia ...	0	4	27	0	50.8	0	5	20	6	41.8	58	7	49	25	52	{16 30}	33	22	4
	(Cahirciveen)																			

LOW CLOUD.

District.	Stations.	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.
1	London ...	5	13	0	0	16	1	0	14	0
	(Kew Obsy).									
	Croydon ...	6	10	0	1	15	1	2	10	0
	Calshot** ...	8	12	0	4	16	0	0	12	1
	(Southampton)									
	Lympne ...	6	7	4	2	12	1	2	10	1
2	Shoeburyness ...	5	11	0	1	14	0	3	11	0
	Gorleston ...	4	13	0	1	15	0	3	16	0
	Cranwell ...	1	15	0	0	17	2	0	13	4
3	Birmingham ...	5	12	0	0	17	0	0	15	0
	(Edgbaston)									
4	Ross-on-Wye ...	3	19	0	1	20	0	0	22	0
5	The Lizard ...	1	30	0	2	28	0	1	30	0
7	Holyhead ...	12	16	0	8	23	0	9	18	0
8	Chester ...	5	20	2	1	23	0	1	11	2
	(Sealand)									
10	Tynemouth ...	7	24	0	7	24	0	8	23	0
11	Leuchars ...	0	25	1	1	28	0	0	29	0
12	Renfrew ...	11	19	0	9	22	0	6 7	24 23	0
	Eskdalemuir ...	16	14	0	13	17	0	13	17	0
13B	Stornoway	0	30	0	0	30	0	1	30	0
15	Aberdeen ..	2	26	1	1	27	1	0	26	3
18	Aldergrove ...	9	20	0	4	25	0	3	23	1
19	Dublin ...	*	*	*	*	*	*	*	*	*
	(Phœnix Park)									
	Birr Castle ...	0	24	0	0	29	0	1	26	0
20	Valentia ...	10	18	0	6	23	0	14	13	1
	(Cahirciveen)									

FOG, MIST and GOOD VISIBILITY.

District.	Stations.	Number of observations within fixed limits. 7 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	13 h. Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
1	London ...	0	4	4	0	7	0	0	1	2	16
	(Kew Obsy).										
	Croydon ...	0	2	4	2	14	0	0	0	1	15
	Calshot** ...	3	1	3	2	15	0	1	0	1	18
	(Southampton)										
	Lympne ...	0	6	1	0	9	0	0	1	1	20
2	Shoeburyness ...	1	2	2	5	10	0	0	0	1	12
	Gorleston ...	0	2	3	1	6	0	0	2	1	3
	Cranwell ...	0	0	4	4	17	0	0	0	0	19
3	Birmingham ...	0	2	3	1	16	0	0	0	0	20
	(Edgbaston)										
4	Ross-on-Wye ...	0	3	2	1	22	0	0	0	1	23
5	The Lizard ...	0	0	3	1	25	0	0	3	0	27
7	Holyhead ...	0	0	1	0	26	0	0	0	0	27
8	Chester ...	1	3	2	1	16	0	0	0	0	23
	(Sealand)										
10	Tynemouth ...	0	0	0	2	13	0	0	0	0	8
11	Leuchars ...	0	0	0	1	26	0	0	0	0	26
12	Renfrew ...	0	0	2	1	13	0	0	0	0	21
	Eskdalemuir ...	0	0	2	3	16	0	0	1	2	21
13B	Stornoway	0	0	0	0	25	0	0	0	0	23
15	Aberdeen ..	0	1	1	0	21	0	0	0	1	19
18	Aldergrove ...	0	0	0	0	22	0	0	0	0	26
19	Dublin ...	*	*	*	*	*	*	*	*	*	*
	(Phœnix Park)										
	Birr Castle ...	0	0	1	0	30	0	0	0	0	30
20	Valentia ...	0	0	0	0	23	0	0	0	1	25
	(Cahirciveen)										

UPPER AIR TEMPERATURE.

Pressure. mb.	Normal Height. Feet.	Normal Temperature. °F.	Mildenhall. Mean. °F.	No. of Reports.	Aldergrove. Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.
950	1,730	39.2	46.9	48	44.5	45		
850	4,640	30.2	41.2	48	33.0	45		
750	7,960	21.5	33.2	48	29.3	45		
650	11,470	10.2	19.0	48	18.1	45		
550	15,570	-3.7	3.3	48	3.6	45		

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

UPPER WINDS.

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

Station	Lympne. Height. Metres.	*No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100
			kilometres per hour.				
Lympne.	500 above ground.	95	37	44	11	1	0
	1000 above M.S.L.	81	24	39	15	1	0
	2000 " "	58	15	33	7	3	0
	3000 " "	36	9	25	2	0	0
	4000 " "	7	2	5	0	0	0
Plymouth (Mt. Batten).	500 above ground.	57	28	20	5	0	0
	1000 above M.S.L.	45	20	17	4	0	0
	2000 " "	25	16	10	2	1	0
	3000 " "	25	16	6	3	0	0
	4000 " "	15	7	7	0	0	0
Holyhead.	500 above ground.	75	22	25	15	1	0
	1000 above M.S.L.	45	11	24	10	0	0
	2000 " "	16	4	7	4	0	0
	3000 " "	8	2	3	2	1	0
	4000 " "	2	1	1	0	0	0
Renfrew.	500 above ground.	59	9	13	27	5	4
	1000 above M.S.L.	34	1	11	16	5	1
	2000 " "	8	1	1	6	0	0
	3000 " "	5	1	1	3	0	0
	4000 " "	3	0	0	2	0	1

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

METEOROLOGICAL OFFICE, AIR MINISTRY, Kingsway, London, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

SUNSHINE, RAINFALL, AND HUMIDITY MARCH 1938.

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.	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).	1	7	9	10	5	10·5	14, 19	1423	-46	173	+65	1880	183	07	59	88, 16	28	0	3	0	0	0	3	25	556	-50	6	-37	1856	113	62	1	29	0	0
	Croydon ...	1	5	9	10	6	10·5	14	1375	-150	177	+55	1922	187	33	81	36	27	1	2	1	0	0	6	25	650	-29	10	-42	1921	83	37	2	29	0	0
	Calshot** ... (Southampton)	1	8	6	8	8	10·8	14	1660	-86	178	+32	1881	214	07	73	88	26	3	1	1	0	0	5	25	637	-9	11	-32	1871	133	97	5	25	0	0
	Lympne ...	1	4	6	11	9	10·8	14	1703	-62	207	+60	1921	201	29, 33	102	22	22	5	2	2	0	0	9	25	671	-53	21	-33	1920	91	27, 37	4	29, 35	0	0
2	Shoeburyness ...	2	5	6	15	3	10·5	19	1488	-228	179	+39	1919	197	33	93	19	28	0	2	1	0	0	5	25	611	+108	10	-24	1920	59	37	1	29	0	0
	Gorleston ...	2	8	6	10	5	10·2	14	1421	-222	165	+37	1908	186	33	68	16	28	0	2	1	0	0	9	25	518	-104	14	-30	1871	95	14	3	29	0	0
	Cranwell ...	1	11	9	7	3	9·8	3	1294	-244	142	+21	1921	175	33	62	36	29	0	2	0	0	0	3	25	521	-69	7	-29	1917	69	19	7	31	0	0
3	Birmingham .. (Edgbaston)	2	11	9	3	6	10·4	13, 31	1263	-41	139	+43	1887	212	93	44	00	27	1	3	0	0	0	5	26	588	-86	11	-38	1893	118	03	4	29	0	1
4	Ross-on-Wye ...	1	7	11	6	6	11·8	31	1412	-73	163	+47	1915	188	29	62	16	31	0	0	0	0	0	0·1	4, 16, 24, 25	560	-157	1	-51	1859	137	13	5	93, 29	0	0
5	Falmouth ... (Observatory)	5	6	6	7	7	10·4	19	1616	-94	157	+21	1881	209	93	69	86	27	2	1	1	0	0	6	24	808	-299	8	-80	1871	212	14	14	93	0	0
7	Holyhead ..	4	14	3	8	2	9·6	23	1456	-94	113	-12	1914	219	29	92	36	22	6	1	1	1	0	23	20	768	-119	37	-29	1871	180	20	12	26	0	0
8	Chester ... (Sealand)	5	13	3	4	6	11·3	31	1319	-57	123	+9	1928	191	29	65	28	23	4	4	0	0	0	5	25	575	-86	18	-27	1922	89	27	4	29	0	0
10	Tynemouth ...	2	18	5	6	0	8·6	3	1128	*	97	*	1935	*	*	*	*	27	2	2	0	0	0	2	6, 21	671	+50	6	-40	1915	90	37	12	29	0	0
11	Leuchars ...	3	10	9	7	2	9·9	22	1372	-98	128	+7	1922	187	29	50	28	27	1	3	0	0	0	5	18	659	+6	12	-38	1922	81	28	10	29	0	1
12	Renfrew ...	6	14	7	4	0	7·7	14	1143	-50	71	-23	1921	124	33	39	36	10	6	11	4	0	0	15	15	845	-94	6	+4	1921	143	21	20	29	0	2
	Eskdalemuir ...	11	9	9	2	0	7·0	14	1070	-131	64	-35	1910	185	29	44	36	11	8	4	7	1	0	20	15	1272	-157	97	-28	1910	225	21	26	24	1	3
13B	Stornoway	12	11	5	3	0	8·7	21	1093	-122	55	-54	1881	172	11	59	21	6	1	17	6	1	0	16	18	10·3	-253	110	+6	1870	205	03	23	80	0	2
15	Aberdeen ...	4	10	10	6	1	9·4	22	1224	-105	103	-6	1881	190	94	45	09	21	6	4	0	0	0	5	22	646	-102	13	-48	1871	125	76	5	29	0	2
18	Aldergrove ...	8	11	6	5	1	9·7	22	1122	*	86	*	1927	181	29	71	36	17	7	4	3	0	0	8	19	736	-102	31	-33	1926	79	28	10	29	0	1
19	Dublin ... (Phœnix Park)	6	13	2	9	1	10·8	22	1189	-248	98	-17	1881	201	34, 29	69	36	21	6	2	2	0	0	7	20	553	-149	21	-28	1865	120	37	7	29	0	0
	Birr Castle ...	7	11	7	3	3	11·2	22	1119	-187	90	-21	1881	192	29	63	00	16	10	3	2	0	0	13	19	792	-35	34	-27	1862	155	03	12	25	0	0
20	Valentia ... (Cahirciveen)	9	10	6	4	2	10·0	13	1287	-81	86	-30	1880	197	29	70	03	12	9	4	4	2	0	19	19	1373	-41	76	-39	1866	276	84	25	29	0	0

MINIMUM SURFACE HUMIDITY.

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

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

STATE OF GROUND AT 18 h.

No. of Days each type was recorded.

Stations.	0	1	2	3	4	5	6	7	8	9
London (Kew)	21	10	0	0	0	0	0	0	0	0
Ross-on-Wye	28	3	0	0	0	0	0	0	0	0
Renfrew ...	3	28	0	0	0	0	0	0	0	0
Eskdalemuir	1	29	1	0	0	0	0	0	0	0
Aberdeen ...	13	18	0	0	0	0	0	0	0	0
Valentia ...	6	25	0	0	0	0	0	0	0	0

CODE for State of Ground.

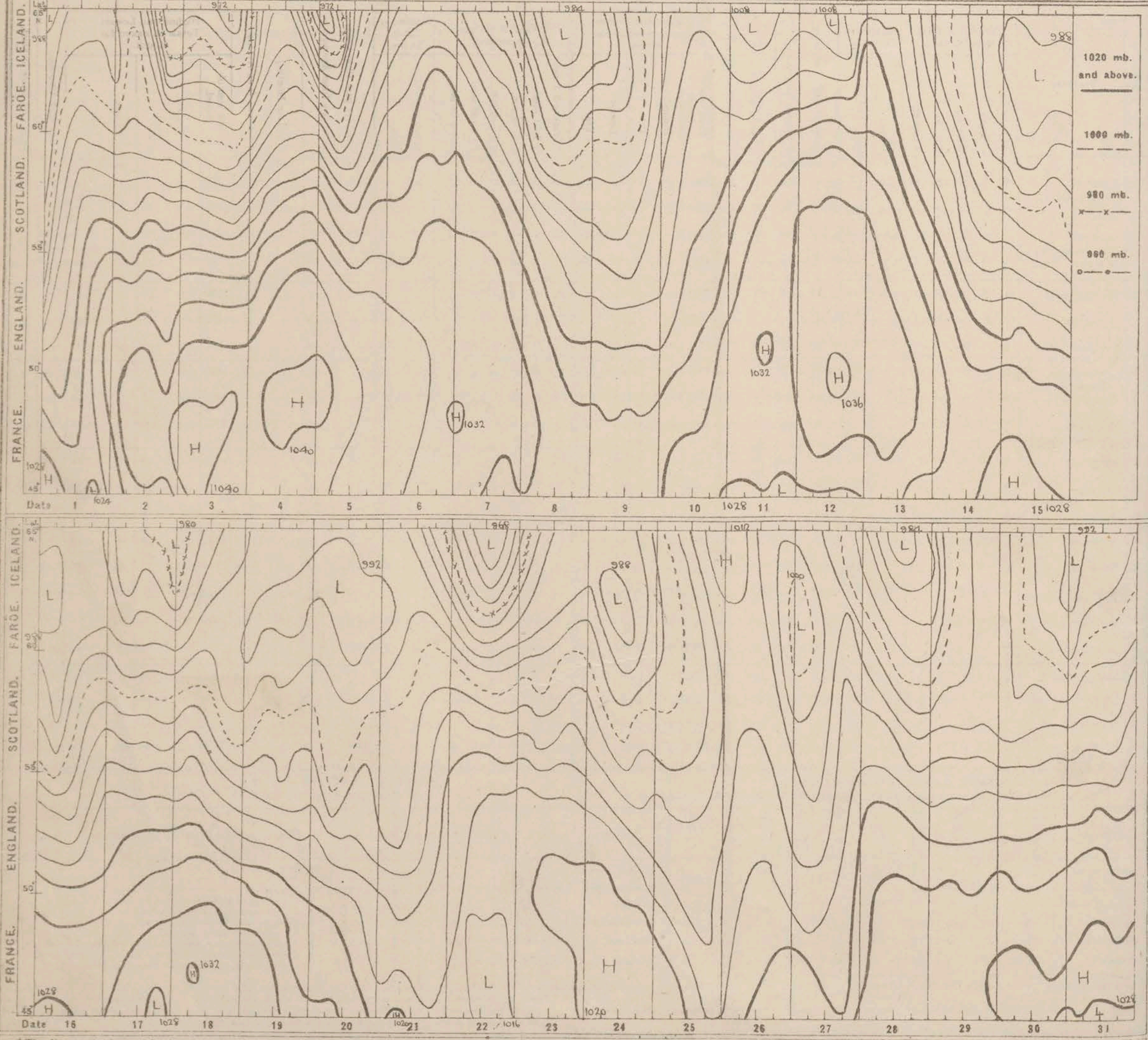
0 Dry.
1 Wet.
2 Flooded.
3 Frozen hard and dry.
4 Partly covered with snow or hail.
5 Covered with ice or glazed frost.
6 Covered with thawing snow.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow, greater than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

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

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

PRESSURE: ICELAND TO GULF OF LIONS MARCH 1938.

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.

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9.350/3451 No.8025 0.4518 Gp.948 1/40 4/38

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 1st March, 1938.

No. 27858

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 28th February. 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)	1024.0	- 18	S'W	5	z_o	52	75	6	5	-	-	10	10	1500
	Croydon ...	1025.4	- 14	SWS	4	c	50	85	6	-	2	-	9+	9+	5700
	S. Farnborough	1024.4	- 22	SW	5	c	51	85	7	5	7	-	1r	10	1500
	Boscombe Down	1025.0	- 20	SW'W	5	c	51	85	7	5	2	-	4-6	10	2500
	Calshot (Sthmtn.)	1026.9	- 10	SWS	5	z_o	48	92	6	5	-	-	10	10	450
	Lympne ...	1027.1	- 8	SW	4	0	48	92	7	5	-	-	10	10	800
	Manston ...	1025.3	- 18	SW	4	c	49	85	6	5	-	-	10	10	1500
2	Shoeburyness ...	1024.0	- 16	SW	5	c	50	85	6	5	2	-	4-6	10	1500
	Felixstowe ...	1022.9	- 14	SSW	4	z_o	49	85	6	5	1	-	7-8	10	1500
	Gorleston ...	1020.2	- 14	SWS	5	c	54	75	7	5	-	-	10	10	2500
	Mildenhall ...	1021.0	- 14	SW'W	5	c	53	85	7	5	2	-	7-8	10	2500
	Cranwell ...	1017.7	- 22	SW'S	6	c	52	85	7	5	7	-	4-6	9+	2500
3	Birmingham ...	1018.5	- 24	SW	4	c	53	75	7	8	7	-	4-6	9+	2500
	Upper Heyford	1022.0	- 26	SW	5	c	51	75	8	5	7	-	9	9+	4000
4	Ross-on-Wye	1021.2	- 16	WSW	4	bc	55	75	7	7	4	2	4.6	4.6	2500
5	Bristol ...	1023.3	- 30	S'W	4	c	56	65	8	5	7	8	2-3	7-8	5700
	Portland Bill ...	1025.6	- 14	WSW	4	0	48	85	7	5	-	-	10	10	1500
	Plymouth ...	1026.2	- 14	SW'S	6	c	49	85	7	5	1	-	4-6	10	1500
	The Lizard ...	1026.5	- 12	SW'S	6	c	49	92	7	5	2	-	7-8	10	1500
	Scilly (St.Mary's)	1025.3	- 10	WSW	6	c	50	92	6	5	2	-	7-8	10	1500
	Guernsey ...	1029.4	- 16	SSW	4	0	50	75	7	5	-	-	10	10	4000
6	Pembroke ...	1019.7	- 12	SW	7	q	48	92	6	5	-	-	10	10	2500
7	Holyhead ...	1014.5	- 22	SSW	6	d	48	97	6	5	2	-	7-8	10	220
	Chester(Sealand)	1016.4	- 26	SSW	4	c/r	53	85	8	5	3	-	9	9+	1500
8	Manchester ...	1016.4	- 20	SW	6	ir	52	85	7	6	2	-	7-8	10	1500
10	Spurn Head ...	1015.7	- 10	SW'W	6	c	51	85	6	5	2	-	7-8	9+	4000
	Catterick ...	1010.9	- 34	SW	6	c	53	75	7	5	2	-	9	9+	800
	Tynemouth ...	1008.2	- 34	SW	5	c	52	85	6	9	-	-	9	9	800
11	St Abbs Head .	1003.5	- 26	SW	8	q	53	85	8	9	2	-	4.6	9	2500
	Leuchars ...	1001.9	- 30	SW	7	c	54	85	8	5	-	-	9+	9+	1500
12	Renfrew (Abbotsl.)	1004.2	- 26	SW	5	$r_o r_o$	53	92	6	6	-	-	10	10	450
	Eskdalemuir ...	1008.3	- 18	S'W	6	rr	45	97	5	-	2	-	10	10	4150
	Point of Ayre...	1009.1	- 20	SW'W	6	c	53	85	7	6	2	-	4.6	10	800
13A	Tiree	996.6	- 26	SW'S	8	c	52	85	7	5	7	-	4.6	7-8	1500
13B	Stornoway ...	991.4	- 26	SSW	8	pr	53	75	6	8	7	-	7-8	9+	1500
15	Dalwhinnie ...	*	- 16	W	5	c	47	85	7	4	-	-	10	10	2500
	Aberdeen ...	999.2	- 30	SW'S	5	c	54	75	7	5	7	-	9+	9+	1500
	Wick ...	994.1	- 24	SSW	4	c/pr	48	92	8	5	7	-	7-8	9+	1500
16	Lerwick ...	991.5	- 32	SSW	7	rr	45	97	6	6	2	-	4.6	10	800
17	Blacksod Point	1004.8	- 10	SW	9	q	53	85	7	9	-	-	10	10	450
18	Malin Head ...	1001.3	- 20	SW	7	c	54	92	6	9	-	-	9+	9+	800
	Aldergrove ...	1006.8	- 22	SSW	5	c/d	53	85	8	5	7	-	9	10	1500
19	Birr Castle ...	1012.1	- 6	WSW	5	c/pr	56	85	7	3	2	-	4.6	9+	1500
20	Valentia Obsy. †	1015.2	- 6	SW	6	c	54	92	6	5	-	-	10	10	800
	Roches Point	1017.5	*	WSW	4	dd	51	97	5	5	-	-	10	10	220

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 18h. G.M.T. 28th February. 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)	1021.2	- 8	SSW	5	z_o	50	75	6	5	7	-	2-3	10	2500	1	*
	Croydon ...	1022.6	- 4	SW	5	c	49	85	6	6	7	7	1r	10	1500	1	*
	S. Farnborough	1022.1	- 6	SW'W	6	c	49	85	7	5	7	-	2-3	10	1500	1	*
	Boscombe Down	1021.7	- 12	SW	4	c	49	85	7	5	2	-	2-3	10	1500	1	*
	Calshot (Sthmtn.)	1024.1	- 10	SW	5	c	48	85	7	5	-	-	10	10	800	1	3
	Lympne ...	1024.3	- 10	SW	5	c	45	85	7	5	2	-	1	10	1500	1	§4
	Manston ...	1022.6	- 10	SW	6	c	48	75	7	-	7	-	0	9	-	1	*
2	Shoeburyness ...	1021.1	- 14	SW'S	4	c	48	75	7	5	7	-	4-6	9+	7200	1	*
	Felixstowe ...	1019.4	- 10	SWS	5	z_o	48	75	6	5	3	-	7-8	9+	4000	1	3
	Gorleston ...	1016.7	- 8	SSW	5	c	52	75	6	5	-	-	9	9	2500	1	3
	Mildenhall ...	1017.5	- 8	SW	5	c	52	75	8	5	7	-	4.6	9+	5700	1	*
	Cranwell ...	1014.1	- 18	SW'S	6	c	52	85	7	5	-	-	9	9+	1500	1	*
3	Birmingham ...	1016.3	- 10	SW	4	ir	50	85	7	5	-	-	10	10	1500	1	*
	Upper Heyford	1019.0	- 10	SW'S	6	c	51	75	7	5	-	9	7-8	9+	1500	1	*
4	Ross-on-Wye	1018.7	- 10	WSW	5	q	51	85	8	4	-	-	10	10	1500	1	*
5	Bristol ...	1021.0	- 10	SW	4	c/d	51	85	8	5	-	-	10	10	1500	1	*
	Portland Bill ...	1022.5	- 16	WSW	4	$1d_o$	48	92	7	5	-	-	10	10	1500	1	4
	Plymouth ...	1023.7	- 10	WSW	5	z_o	49	92	6	-	2	-	10	10	450	1	3
	The Lizard ...	1024.0	- 10	SW	6	c	49	92	7	5	2	-	9	10	1500	1	4
	Scilly (St.Mary's)	1023.1	- 10	WSW	6	0	50	97	6	5	-	-	10	10	1500	1	4
	Guernsey ...	1027.9	- 8	SW	5	c	50	75	7	-	3	-	0	10	-	1	4
6	Pembroke ...	1017.3	- 2	WSW	8	ir	48	97	6	8	2	-	7-8	10	1500	1	5
7	Holyhead ...	1011.0	- 10	SWS	6	c	49	97	7	5	2	-	9	10	450	1	3
	Chester(Sealand)	1012.9	- 12	SW	5	c	54	75	8	5	2	-	4.6	10	1500	1	*
8	Manchester ...	1013.4	- 2	SW	5	c	52	85	7	5	2	-	7-8	10	1500	1	*
10	Spurn Head ...	1010.7	- 32	WSW	7	q	52	85	6	5	-	-	10	10	2500	0	4
	Catterick ...	1004.7	- 44	WSW	7	c	51	85	8	5	-	2	2-3	7-8	1500	1	*
	Tynemouth ...	1005.0	- 20	W	3	bc	52	85	6	5	8	1	4.6	4.6	1500	1	1
11	St Abbs Head .	998.1	- 36	WSW	9	q	50	85	8	6	7	1	4.6	4.6	2500	0	5
	Leuchars ...	998.3	- 28	WSW	6	dc/pr	53	75	7	9	3	2	2-3	4.6	1500	1	*
12	Renfrew (Abbotsl.)	1001.0	- 18	SW'W	4	ir	52	75	6	5	-	-	10	10	1500	1	*
	Eskdalemuir ...	1004.6	- 20	SSW	7	$r_o r_o$	45	97	5	-	2	-	10	10	4150	1	*
	Point of Ayre...	1006.5	- 10	W	6	c	54	75	7	8	2	-	4.6	9	800	1	4
13A	Tiree	994.1	- 12	SW'W	8	ir	49	85	6	6	-	-	7-8	7-8	1500	1	5
13B	Stornoway ...	987.2	- 20	SSW	7	$r_o r_o$	49	85	6	8	2	-	7-8	10	1500	1§	5†
15	Dalwhinnie ...	995.7	- 24	W	5	c	45	85	7	4	-	-	10	10	2500	1	*
	Aberdeen ...	993.5	- 38	SW'W	4	b	54	65	7	1	-	9	Tr	1	1500	1	2
	Wick ...	988.5	- 24	WSW	7	bc	49	85	8	5	6	-	2-3	4-6	1500	1	3
16	Lerwick ...	985.9	- 10	SW	7	c	50	85	7	8	7	-	4-6	9	800	1	*
17	Blacksod Point	1006.0	+ 10	W'S	9	q	50	75	7	9	-	-	10	10	450	1	7
18	Malin Head ...	998.9	- 18	SW	8	c/d	50	97	6	9	-	-	9	9	800	1	4
	Aldergrove ...	1003.8	- 14	SSW	6	c	51	75	7	9	-	-	9+	9+	1500	1	*
19	Birr Castle ...	1010.5	+ 4	W	5	c	53	75	7	5	1	-	4-6	10	1500	1	*
20	Valentia Obsy. †	1016.3	+ 10	WSW	5	c	52	85	6	5	2	-	7-8	10	1500	1	4
	Roches Point	1016.4	*	WSW	4	rr	52	92	7	6	2	-	4-6	10	800	1	4

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 28th. (37)	Weather. 13h.—18h. 28th. (38)	Weather. 18h. 28th to 1h. 1st. (39)	Weather. 1h.—7h. 1st. (40)
1	London (Kew)	$cm_o cz_o$	cz_o	cm_o	$cr_o r_o cm_o$
	Croydon ...	$cid_o cm_o$	$cm_o c$	$cd_o r_o r_o$	$r_o r_o d_o v$
	S. Farnborough	ccq	c	$cr_o ro$	orrc
	Boscombe Down	$cid_o m_o c$	c	$cid_o crr$	$cr_o bc$
	Calshot (Sthmtn.)	ccm_o	c	c	crrc
	Lympne ...	$fr_o dm_o$	$om_o cq$	c	$or_3 d_o m_o$
	Manston ...	$cir_o m_o$	$cr_o cq$	$cm_o qc$	$cir_o c$
2	Shoeburyness ...	$ir_o m_o c$	$cm_o c$	c	circ
	Felixstowe ...	$cir_o cm_o$	$cm_o c$	cm_o	$cm_o c$
	Gorleston ...	bccq	$pr_o cq$	$coir_o q$	$oir_o cq$
	Mildenhall ...	c	$cm_o c$	$cqir_o$	cir_o
	Cranwell ...	c	$cm_o cpr_o$	$cbccir_o$	c
3	Birmingham ...	cbc	cpr_o	cir_o	cb
	Upper Heyford	$cr_o c$	$cyc q$	$cd_o d_o$	c
4	Ross-on-Wye	$cq\,cbc$	$cq\,cq$	$p_o qcr_o$	c
5	Bristol ...	cbc	$bc_o d_o$	mRn	$r_o r_o ob$
	Portland Bill ...	ldo	old_o	orr	orrc
	Plymouth ...	$cm_o id_o$	$cm_o com_o$	$cd_o rr$	$orrr_o r_o$
	The Lizard ...	c	c	comrr	rrmc
	Scilly (St.Mary's)	c	co	qmr_o	$or_o r_o bw$
	Guernsey ...	co	oc	co_o	corr.
6	Pembroke ...	$cq\,id_o m_o c$	$cqid_o m_o ir_o c$	$cqir_o m_o c$	b a m b
7	Holyhead ...	$mr_o rc$	$cd_o m_o oc$	coc	cb.
	Chester(Sealand)	$cid_o r$	cd_o	cr_o	cbc
8	Manchester ...	$cir_o q$	circ	$cr_o r_o c$	$cbcm_o$
10	Spurn Head ...	coc	$c_o qcq$	cbcq	cq.
	Catterick ...	$d_o r_o cm_o q$	$ir_o cbc$	bbcpr	bcb.
	Tynemouth ...	$cp_o c$	cbc	bcbq	bbcq
11	St Abbs Head .	cq	bcq	bq	bcq
	Leuchars ...	$cir_o cq$	$cr_o pr_o bcq$	$cqpr_o pq$	$bq_o bcc$
12	Renfrew (Abbotsl.)	$r_o r_o m_o$	$cm_o ir_o$	$cm_o rr_o pr$	$r_o bcpr$
	Eskdalemuir ...	oifrr	$d_o if r_o r_o$	$or_o r_o$	$r_o cbc$
	Point of Ayre...	prc	prc	cqc	bc
13A	Tiree	Orrc	cir	cir	cirbc
13B	Stornoway ...	$cr_o r_o$	$cr_o r_o$	crrir	cirq
15	Dalwhinnie ...	cir	CIR	*	cir R
	Aberdeen ...	$cm_o c$	$pr_o cb$	bybcc	$cr_o c$
	Wick ...	cpr	bc	pri_o	$phr_o q$
16	Lerwick ...	$crrm_o$	crrir	crrpr	cirpr
17	Blacksod Point	$ir_o q$	cq	brcq	rcq.
18	Malin Head ...	cidc	c	cidcpr	cpre
	Aldergrove ...	$or_o ddc$	c	$cpr_o c$	cbc
19	Birr Castle ...	cpr	$cpr_o c$	cb.	bhcc
20	Valentia Obsy. †	$ddr_o ddc$	$id_o p_o c$	c	cir
	Roches Point	$id_o odd$	ddrr	rrc.	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).
⊕, Solar halo. ⓛ lunar halo. ⁄ gale.
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.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 . . Ground covered with thawing snow.
7 . . ,, 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.

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.*

† See disturbance reported from Dungeness.

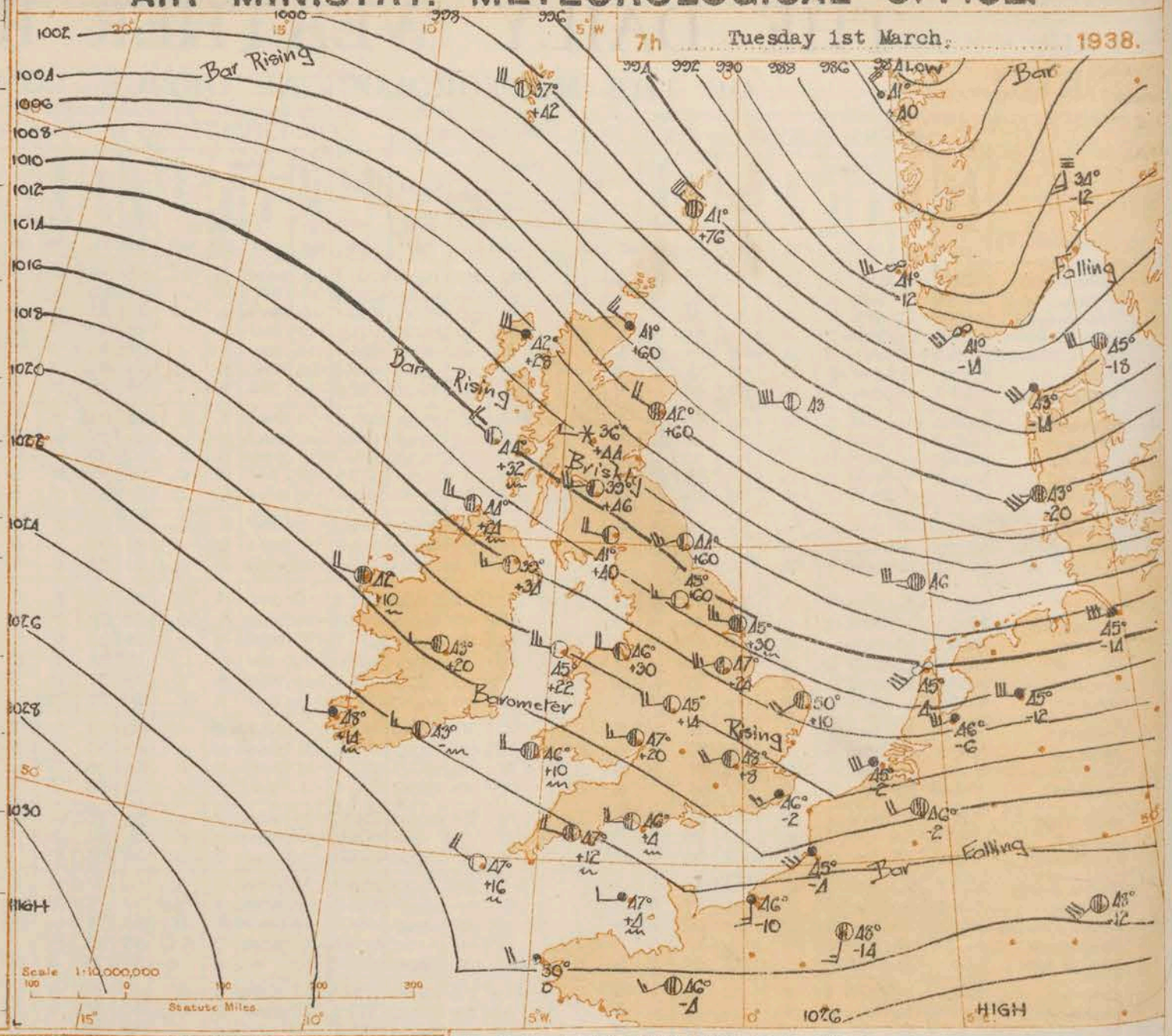
REPORTS from HEALTH RESORTS for 28th February 1938.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 27th to 9h. 28th	Temperature (°F.) Max. 9h.—17h. 28th	Rainfall (mm.) Night. 17h. 27th to 9h. 28th	Rainfall (mm.) Day. 9h.—17h. 28th	Sunshine (Hrs.) Sunrise to 17h. 28th	Sunshine (Hrs.) Sunrise to Sunset. 27th
1	Tunbridge W.	o	oc	42	50	1	-	0.2	6.6
	Bournemouth	o	co	45	51	0.3	-	0.2	4.5
	Ventnor ...	pourn	ou	44	49	0.5	-	0.0	5.3
	Southsea ...	o	ocbc	46	53	Trace	-	0.7	5.6
	Bognor Regis	oc	ccbcc	44	48	0.5	-	0.3	4.8
	Littlehampton	o	oc	44	48	0.4	-	0.5	5.2
	Worthing ...	o	cbcc	44	49	1	-	0.5	5.2
	Brighton ...	c	cbc	44	48	2	-	0.4	5.7
	Eastbourne† ...	o	oc	46	50	3	-	0.1	5.2
	Hastings† ...	o	ocbc	44	48	2	-	0.2	6.7
	Folkestone ...	omo	o	43	47	3	-	0.0	6.3
	Dover ...	mo	moc	43	49	3	-	0.0	7.6
	Deal	o	o	44	51	1	-	0.0	5.0
	Ramsgate ...	c	c	46	50	2	-	0.0	4.1
	Margate ...	c	c	44	50	2	-	0.0	4.0
2	Southend ...	o	obcc	43	50	1	-	0.4	5.0
	Clacton-on-Sea	oc	c	42	48	1	-	0.1	3.4
	Dovercourt ...	doc	bcc	44	52	0.5	-	0.0	2.7
	Lowestoft ...	c	cpr.c	42	53	1	Trace	0.0	1.8
	Skegness ...	o	oco	41	55	0.3	-	0.0	3.6
	Mablethorpe...	obc	bccp	41	55	0.3	Trace	0.8	4.3
	Cleethorpes ...	c	c	43	56	0.5	-	0.0	4.5
3	Leamington S.	o	co	45	57	-	-	1.5	6.0
4	Cheltenham†	oc	bcco	45	57	0.3	-	2.2	4.7
5	Bath	cbc	bcc	45	57	2	-	2.0	4.4
	Weymouth ...	oc	co	47	51	-	-	0.0	4.5
	Jersey ...	c	c	45	51	-	-	0.1	3.4
	Torquay ...	oqco	oq	43	53	-	-	0.0	2.4
	Falmouth	o	o	46	51	1	-	0.0	1.1
	Penzance ...	c	qccoo	48	52	0.5	-	0.1	0.6
	St. Ives ...	o	o	41	51	Trace	-	0.0	0.0
	Buae... ...	o	oro	46	53	1	Trace	0.0	1.6
	Ilfracombe ...	cbcc	coco	46	54	2	-	0.3	1.8
6	Aberystwyth	prc	prc	46	49	3	2	0.0	2.1
7	Llandudno ...	cr	qbrc	45	55	0.4	1	2.0	3.4
	Colwyn Bay...	cp	bcc	46	55	0.3	0.5	0.7	3.3
	Rhyl	cpro	bcrc	43	50	0.1	0.3	1.5	3.6
8	Wallasey ...	cro	roc	43	55	0.3	0.3	0.4	3.7
	Southport ...	cor	oro	44	51	0.2	1	0.0	5.0
	Blackpool ...	ocor	oro	43	49	0.3	1	0.0	4.6
	Morecambe ...	cciic	rciro	42	49	1	4	0.0	4.6
9	Ilkley... ...	cpcpc	pc	44	53	3	2	0.7	3.9
	Harrogate ...	cid	cq	41	52	4	Trace	0.1	4.4
10	Berwick-on-T.	crobc	cbc	42	55	Trace	Trace	1.3	6.4
11	Dunbar ...	bcro	bc	42	59	Trace	-	3.2	4.3
12	Troon... ...	ororo	coroo	42	51	2	0.5	0.0	1.9
	Douglas ...	cidf	cid	42	50	0.5	0.5	0.0	3.2

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY. METEOROLOGICAL OFFICE.

7h Tuesday 1st March, 1938.



Barometer. Isobars are drawn for intervals of two millibars.
Wind, Weather Symbols. For explanation see opposite page.
Sea Disturbance. Rough. High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	Forecasts for the 24 hours commencing 12 noon, G.M.T. 1st March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Light or moderate westerly winds, mainly fine; rather mild; ground frost locally at night.
5 S.W. England 6 South Wales ...	Moderate northwest to west winds, fair; average temperature.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Fresh northwest winds, backing and moderating; local showers, becoming fair; average temperature; local ground frost at night.
10 N.E. England 11 S.E. Scotland	Moderate or fresh northwest to west winds, moderating, fair; local ground frost at night; rather mild by day.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Fresh or strong northwest to west winds, moderating; local showers of rain or hail at first, becoming fair; average temperature; ground frost at night.
17 N. W. Ireland 18 N. E. Ireland	As 7 - 9.
19 S. E. Ireland 20 S. W. Ireland	As 5 - 6.

GENERAL INFERENCE.

A ridge of high pressure is moving east over the British Isles. There will be local showers of rain or hail in the north and northwest at first but otherwise weather will be generally fair.

FURTHER OUTLOOK.

Further rain spreading to western and northern districts.

Forecasts issued at 1015 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2.

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.

Morning of

TUESDAY, 1ST MARCH,

1938.

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.

Clarke's Projection. Scale 1 = 4 x 10⁷ along meridian at 50° N.

Statute Miles 0 1 2 3 4 500

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 1st March, 1938.
No. 27858

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

DISTRICT	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1018·4	-24	SW	4	r.	49	97	7	6	2	-	9	10	1500.
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1020·2	-24	SW	6	C	47	85	7	5	7	-	9	10	1500.
	Manston ...	142	1019·2	-22	SW	5	C	48	85	7	5	7	-	2-3	9	2500.
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1014·5	-12	SSW	6	r.	49	92	6	6	-	-	10	10	1500.
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1019·6	-16	WSW	4	r	48	92	6	5	-	-	10	10	1500.
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1021·3	-10	W'S	5	r	48	97	6	5	-	-	10	10	800.
	Scilly (St. Mary's)	163	1021·7	-2	NW'N	4	r.	48	97	7	5	-	-	10	10	1500
	Guernsey ..	175	1024·2	-22	SW	4	o	49	85	6	5	-	-	10	10	4000.
6	Pembroke ...	142	1017·2	-2	WSW	6	q	47	97	6	5	2	-	7-8	10	2500
7	Holyhead ...	26	1013·0	+14	W	5	c	49	85	8	8	1	-	2-3	9	2500.
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1008·5	-16	SW'W	6	q	49	85	7	4	2	-	2-3	10	1500.
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1000·7	-20	SW	8	b	50	75	8	-	-	-	0	0	-
11	St Abbs Head . .	280	994·7	-44	WSW	8	q	47	85	8	-	3	-	0	2-3	-
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1008·6	+22	W'N	6	c	49	85	7	8	1	-	7-8	9+	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	997·6	+72	W NNW	7	ir	44	75	7	5	2	-	4-6	10	1500.
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	999·7	+18	WNW	5	id.	46	92	7	5	2	-	9	10	1500.
16	Lerwick ...	156	982·2	-10	SW	8	c/pr	47	92	7	8	2	-	7-8	10	800.
17	Blacksod Point	18	1014·5	+32	WNW	6	q	45	85	7	9	-	-	4-6	4-6	800
18	Malin Head ...	84	1007·0	+88	W	5	c/pr	46	85	6	8	-	-	7-8	7-8	800.
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1019·6	+10	W'S	4	bc	46	92	8	4	-	-	2-3	2-3	1500.
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

DISTRICT	STATIONS.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0–10 (26)	Cloud. Amount. Total 0–10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1018·4	+8	WSW	3	z.	48	85	6	5	7	-	2-3	7-8	2500	1	*
	Croydon ...	1018·5	+8	W'S	4	c	48	92	7	5	7	-	2-3	10	1500	1	*
	S. Farnborough	1019·1	+12	W	4	bc	47	92	7	5	7	-	4-6	4-6	1500	1	*
	Boscombe Down	1020·0	+10	W'N	3	bc	45	92	7	5	7	-	4-6	4-6	2500	1	*
	Calshot (Sthmtn.)	1020·1	+10	WSW	3	c	47	97	7	5	7	-	7-8	10	4000	1	2
	Lympne ...	1019·2	-2	SW'W	3	r.	46	97	6	6	2	-	9	10	450	1	§3
	Manston ...	1017·9	0	SW	5	c/r.	47	92	7	5	-	-	9+	10	1500	1	*
2	Shoeburyness...	1017·5	+6	W'S	4	c	48	85	7	6	7	-	4-6	9	1500	1	*
	Felixstowe ...	1016·5	+12	SW'W	4	c	48	85	7	5	2	-	4-6	10	2500	1	3
	Gorleston ...	1014·2	+10	SW'W	4	c	50	75	7	5	-	-	9+	9+	2500	1	3
	Mildenhall ...	1015·3	+12	W'S	4	c	48	85	8	5	8	-	4-6	7-8	4000	1	*
	Cranwell ...	1014·6	+24	W'S	5	c	47	75	8	5	-	-	9+	9+	1500	1	*
3	Birmingham ...	1017·9	+14	W	4	bc	45	75	6	5	-	-	2-3	2-3	4000	1	*
	Upper Heyford	1018·3	+16	W	4	bc	45	85	7	5	-	-	2-3	2-3	1500	1	*
4	Ross-on-Wye	1019·4	+20	W	3	c	47	75	8	5	-	-	7-8	7-8	2500	1	*
5	Bristol ...	1020·1	+18	W	2	z.	43	97	6	5	1	-	1	2-3	450	1	*
	Portland Bill ...	1021·3	+4	W	4	c	46	92	7	4	7	-	7-8	10	2500	1	3
	Plymouth ...	1020·2	+16	NW'W	2	z.	48	92	6	5	7	-	2-3	2-3	2500	1	1
	The Lizard ...	1023·3	+12	WNW	4	c	47	97	7	5	1	-	4-6	10	1500	1	3
	Scilly (St. Mary's)	1023·5	+16	NW'N	4	b	47	97	6	5	-	-	1	1	1500	1	3
	Guernsey ..	1023·1	+4	W	2	r.	47	97	6	5	-	-	10	10	1500	1	3
6	Pembroke ...	1020·3	+10	W	4	q	46	85	7	5	-	-	1	1	4000	1	3
7	Holyhead ...	1018·0	+22	W'N	5	b	45	85	8	1	4	-	Tr	Tr	4000	1	3
	Chester(Sealand)	1017·6	+30	W'N	4	bc	46	75	7	5	3	-	4-6	4-6	4000	1	*
8	Manchester ...	1015·5	+20	W'S	5	z.	43	85	6	5	-	-	2-3	2-3	2500	1	*
10	Spurn Head ...	1012·8	+30	WNW	5	q	45	85	6	5	-	7	4-6	10	2500	0	3
	Catterick ...	1011·8	+60	W	3	b	45	65	8	5	-	-	1	1	1500	1	*
	Tynemouth ...	1009·6	+60	WSW	5	bc	44	85	7	2	-	-	2-3	2-3	1500	1	3
11	St Abbs Head . .	1007·1	+56	W	8	q	43	75	8	-	3	-	0	4-6	-	0	5
	Leuchars ...	1008·5	+44	W	4	c	43	75	8	5	3	-	4-6	7-8	4000	1	*
12	Renfrew (Abbots I.)	1011·5	+40	WNW	4	bc	41	85	8	8	-	-	4-6	4-6	2500	1	*
	Eskdalemuir ...	1011·9	+46	W'S	5	bc	39	75	8	5	-	-	2-3	2-3	2500	1	*
	Point of Ayre...	1014·6	+36	WNW	5	bc	43	85	8	4	4	-	1	2-3	2500	1	3
13A	Tiree	1012·0	+32	NW'W	4	bc	44	75	7	5	7	-	2-3	4-6	2500	0	4
13B	Stornoway ...	1007·9	+28	WNW	6	ir	42	75	7	8	-	-	10	10	1500	1	3
15	Dalwhinnie ...	1009·8	+44	W	1	s	36	85	7	8	-	-	10	10	2500	1	*
	Aberdeen ...	1006·2	+60	NW'W	4	c	42	85	8	6	7	-	4-6	9+	1500	1	2
	Wick ...	1002·6	+60	NW	5	phr	41	85	7	5	2	-	7-8	9+	1500	1	3
16	Lerwick ...	996·1	+76	NW	7	c/pr	41	85	8	8	7	-	4-6	7-8	1500	1	*
17	Blacksod Point	1019·8	+30	WNW	4	c	42	85	8	9	-	-	7-8	7-8	800	1	3
18	Malin Head ...	1014·2	+24	WNW	5	jp	44	97	6	9	-	-	7-8	7-8	800	1	4
	Aldergrove ...	1016·4	+34	WSW	3	bc	39	92	8	5	-	-	4-6	4-6	4000	1	*
19	Birr Castle ...	1019·6	+20	W	1	c	43	85	8	5	7	-	4-6	9	2500	1	*
20	Valentia Obsy. †	1023·4	+14	W	2	ir.	48	85	7	6	2	-	4-6	10	1500	1	4
	Roches Point	1022·7	-	W'N	3	bc	43	85	7/8	5	4	-	4-6	4-6	2500	1	4

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 24h Hrs. (36)
1	London (Kew)	53	48	44	-	1	0·0
	Croydon ...	52	48	45	Tr	1	0·1.
	S. Farnborough	52	48	45	-	1	0·1.
	Boscombe Down	53	44	42	Tr	1	0·5.
	Calshot (Sthmtn.)	52	46	45	-	2.	0·4
	Lympne ...	48	44	43	Tr	-	0·0
	Manston ...	51	46	45	Tr	0·1	0·0
2	Shoeburyness...	51	47	45	Tr	0·4	0·2.
	Felixstowe ...	50	46	45	Tr	-	0·0.
	Gorleston ...	54	49	47	Tr	Tr	0·0.
	Mildenhall ...	55	48	45	Tr	Tr	0·2.
	Cranwell ...	55	46	44	Tr	Tr	0·8.
3	Birmingham ...	54	44	41	Tr	0·6	0·8.
	Upper Heyford	55	44	38	Tr	1	*
4	Ross-on-Wye	56	46	43	-	Tr	0·8.
5	Bristol ...	56	43	38	Tr	4	2·3.
	Portland Bill ...	49	44	*	0·1	3	*
	Plymouth ...	50	48	43	Tr	6	0·0.
	The Lizard ...	50	46	*	-	7	0·0
	Scilly (St. Mary's)	50	46	*	-	6	0·0
	Guernsey ..	52	47	44	-	3	0·0.
6	Pembroke ...	49	45	*	1	3	0·0.
7	Holyhead ...	49	44	42	-	-	0·0.
	Chester(Sealand)	56	46	42	0·2	Tr	0·1.
8	Manchester ...	53	43	40	0·6	0·1	0·0.
10	Spurn Head ...	54	44	*	-	-	0·1.
	Catterick ...	53	44	39	1	Tr	1·1.
	Tynemouth ...	55	44	40	Tr	-	0·7.
11	St Abbs Head . .	55	(46) 45	·	Tr	Tr	·
	Leuchars ...	54	42	38	0·1	1	0·1.
12	Renfrew (Abbots I.)	53	41	37	7	6	0·0.
	Eskdalemuir ...	49	39	36	3	5	0·0.
	Point of Ayre...	57	43	*	0·4	Tr	0·1.
13A	Tiree	53	40	38	1	3	0·0.
13B	Stornoway ...	53	47	*	4	4	0·2.
15	Dalwhinnie ...	50	33	32	8	14	0·0.
	Aberdeen ...	57	42	39	Tr	0·3	1·0.
	Wick ...	55	40	*	0·2	1	*
16	Lerwick ...	51	40	*	6	4	0·0.
17	Blacksod Point	54	40	*	0·2	2	*
18	Malin Head ...	54	43	*	0·2	0·6	0·0
	Aldergrove ...	55	39	35	0·1	0·1	1·1.
19	Birr Castle ...	56	41	·	0·4	-	0·0
20	Valentia Obsy. †	54	47	41	1	0·1	0·0
	Roches Point	52	43	*	2	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.
KEW	18	cm.cZ.	cZ.	cm.r.r.	53	48	44	-	1	0·0	*	*	6.
CROYDON	217	cid.cm.	cm.c	cr.r.sd.v	52	48	45	Tr	1	0·1.	*	*	6.
GREENWICH (Royal Observatory)	149	c	c	cr.d.c	53	47	42	-	1	0·1	64	75	6.
CITY (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
WESTMINSTER (St James' Park)	27	*	*	*	53	45	43			0·0	61	87	*
REGENTS PK. (Botanic Gardens)‡	168	*	*	*	53	47	44	-	1	0·0.	79	78.	*
CAMDEN SQUARE	110	c	c	*	53	47	42	-	2	*	*	76.	*
KENSINGTON	80	co	bcb	*	53	48	41	0·3	1	0·0.	At 18h.	77	*
HAMPSTEAD OBSERVATORY	450	o	o	orbc	51	45	40	-	1	0·0	*	77	*

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

SOUTH KENSINGTON.

Max.	Time.	Min.	Time.
0·3.	18-19h 28th.	<0·3	1-4h 1st.

KEW OBSERVATORY.

Max.	Time.	Min.	Time.
0·1	12h 28th.	<0·1	0-7h 1st.

FOREIGN OBSERVATIONS.

STATIONS.	18h G.M.T. 28th February. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 1st. March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
PARIS	1029.9	SW	3	c	54	1023.4	SSW	3	c	48
BRUSSELS	1025·9	WSW	4	r.r.	48	1019.5	WSW	4	c	46
BERLIN	1020.6	SW	5	dr	43	1013·7	SW	4	ir.	45
ZURICH	1034.0	S	1	c	43	1029.9	SSE	1	c	37
ROME	1032.2	WNW	2	b	50	1029.8	NNE	2	fs	34

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
64	48	-	-
50	46	0.1	-
46	43	Tr.	1
*	*	-	-
*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

Objects not visible at

0	Dense fog	55	yards.
1	Thick fog	220	,,
2	Fog	550	,,
3	Moderate fog	1,100	,,
4	Mist or haze	1¼	miles.
5	Poor visibility	2½	,,
6	Moderate ,,	6¼	,,
7	Good ,,	12½	,,
8	Very good ,,	31	,,
9	Excellent ,,	beyond 31m.	

COLUMN 30.—Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 2nd March, 1938.

No. 27859

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

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)	1022.3	+2.0	W'N	3	c	53	55	7	7	–	–	7-8	7-8	2500
	Croydon ...	1022.4	+1.8	WNW	4	c	52	56	6	1	–	–	7-8	7-8	4000
	S. Farnborough	1023.0	+2.2	NW'N	4	bc	53	55	8	1	–	–	4-6	4-6	4000
	Boscombe Down	1023.4	+1.2	NW	3	bc	51	55	7	7	–	–	4-6	4-6	2500
	Calshot (Sthmtn.)	1023.4	+1.4	NW	4	b	51	65	7	7	–	–	1	1	2500
	Lympne ...	1022.1	+1.4	WNW	4	z_o	51	65	6	8	–	–	4-6	4-6	1500
	Manston ...	1021.3	+1.8	W'N	4	bc	53	65	6	2	–	–	2-3	2-3	1500
2	Shoeburyness ...	1021.4	+1.8	W'N	4	bc	53	55	7	2	–	–	2-3	2-3	1500
	Felixstowe ...	1020.3	+1.8	WNW	4	bc	51	56	8	8	–	–	4-6	4-6	2500
	Gorleston ...	1018.5	+1.8	W'N	6	bc	51	55	6	1	–	–	4-6	4-6	2500
	Mildenhall ...	1020.4	+2.2	WNW	5	bc	53	65	8	2	–	–	2-3	2-3	4000
	Cranwell ...	1020.2	+2.6	W	5	bc	51	55	7	2	–	–	4-6	4-6	2500
3	Birmingham ...	1021.6	+2.0	WNW	4	c	50	65	7	3	–	3	4-6	7-8	2500
	Upper Heyford	1022.5	+2.2	NW'W	5	c	52	56	9	8	5	–	7-8	7-8	2500
4	Ross-on-Wye	1022.8	+1.0	NW'W	3	bc	52	55	8	2	4	–	4-6	4-6	4000
5	Bristol ...	1024.1	+1.4	W	4	bc	51	65	6	7	–	–	4-6	4-6	2500
	Portland Bill ...	1024.1	+1.4	W	3	bc	49	75	8	1	–	–	4-6	4-6	2500
	Plymouth ...	1025.8	+1.8	NW	4	bc	51	55	8	8	–	–	2-3	2-3	2500
	The Lizard ...	1026.7	+1.0	WNW	3	bc	51	75	8	8	–	–	4-6	4-6	1500
	Scilly (St. Mary's)	1027.3	+1.4	N'W	4	bc	52	85	7	5	4	5	2-3	4-6	1500
	Guernsey ...	1025.4	+1.4	WNW	3	b	51	85	7	1	–	–	1	1	2500
6	Pembroke ...	1025.6	+1.0	NW	3	bc	48	75	8	5	7	–	1	2-3	4000
7	Holyhead ...	1023.5	+3.4	WNW	5	bc	47	75	8	8	8	–	1	2-3	4000
	Chester (Sealand)	1023.1	+2.6	WNW	5	bc	45	65	8	8	7	–	2-3	4-6	2500
8	Manchester ...	1021.5	+2.6	W'N	6	bc/pr	48	75	7	8	3	1	4-6	4-6	2500
10	Spurn Head ...	1018.9	+2.4	NW'W	6	q	48	75	7	2	–	8	4-6	4-6	4000
	Catterick ...	1018.7	+3.0	WNW	5	pr	47	65	8	8	7	8	4-6	4-6	4000
	Tynemouth ...	1016.7	+3.0	W	5	q	48	75	7	2	–	1	4-6	4-6	2500
11	St. Abbs Head ...	1015.7	+2.4	WNW	6	c	45	75	7	8	7	1	4-6	7-8	1500
	Leuchars ...	1016.3	+1.4	WNW	5	c	46	55	9	8	7	–	4-6	9	4000
12	Renfrew (Abbotsl.)	1013.0	+3.4	NW	3	c	45	75	8	8	–	6	2-3	9	2500
	Eskdalemuir ...	1018.2	+3.0	NNW	5	bc	45	65	8	8	–	1	4-6	4-6	2500
	Point of Ayre ...	1021.8	+2.2	NW	6	bc	47	75	8	2	–	3	2-3	2-3	4000
13A	Tiree	1021.1	+1.4	NW'W	5	bc	47	65	8	8	6	–	2-3	2-3	2500
13B	Stornoway ...	1016.2	+2.4	WNW	5	bc/phr	45	75	8	5	–	3	4-6	4-6	2500
15	Dalwhinnie ...	1018.8	+1.0	N	1	c	38	75	7	5	6	–	1-6	9	2500
	Aberdeen ...	1015.2	+1.8	NW	4	c	45	65	8	2	7	8	Tr	9	2500
	Wick ...	1013.1	+3.0	NW	5	c	41	65	8	5	7	–	4-6	7-8	1500
16	Lerwick ...	1007.2	+1.4	WNW	6	c/phr	43	65	8	8	–	–	7-8	7-8	1500
17	Blacksod Point	1027.1	+2.2	NW	3	bc	46	75	8	3	–	–	4-6	4-6	1500
18	Malin Head ...	1023.1	+3.4	N'W	3	c/jp	44	37	7	3	–	–	7-8	7-8	800
	Aldergrove ...	1023.5	+3.6	W	3	c/jp	44	65	8	8	–	3	7-8	7-8	1500
19	Birr Castle ...	1026.3	+3.2	NW	1	bc	43	65	8	2	–	–	4-6	4-6	2500
20	Valentia Obsy. †	1030.0	+3.2	N	4	bc	43	75	8	2	–	–	2-3	2-3	2500
	Roches Point	1027.6	*	NW	4	bc	43	75	9	2	–	–	4-6	4-6	2500

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1026.6	+3.6	WNW	3	b	47	65	7	5	–	–	Tr	Tr	2500	1	*
1026.4	+3.8	NW'N	3	z_o	47	75	6	–	6	3	0	1	–	1	*
1026.4	+3.0	NNW	2	b	45	75	8	3	–	–	Tr	Tr	4000	1	*
1027.1	+3.0	NNW	3	bc/pr	45	75	8	4	–	–	2-3	2-3	2500	1	*
1026.6	+3.0	NNW	4	bc	50	65	7	8	–	–	4-6	4-6	2500	1	2
1025.7	+3.4	N'W	5	cu	46	65	6	3	–	–	7-8	7-8	2500	1	§1
1025.1	+3.0	WNW	4	c	48	55	6	9	–	–	7-8	7-8	2500	1	*
1025.2	+2.4	W'N	3	c/pr	46	65	7	8	4	–	4-6	7-8	2500	1	*
1023.8	+2.6	NW'N	3	bc	48	65	7	5	7	–	1	4-6	2500	1	2
1022.8	+2.0	WNW	3	c/pr	47	65	6	2	–	–	7-8	7-8	2500	0	2
1024.2	+2.4	WNW	4	c	45	85	7	4	4	1	4-6	7-8	4000	0	*
1024.5	+3.0	W'N	4	b	44	75	6	2	–	3	Tr	1	2500	1	*
1025.8	+2.6	WNW	4	b	44	65	6	–	–	–	0	0	–	1	*
1026.5	+3.2	WNW	3	bc	44	75	8	8	–	–	2-3	2-3	2500	1	*
1027.5	+2.6	NW	3	b	45	55	8	4	–	–	1	1	2500	1	*
1027.8	+3.2	NW'N	3	b	45	75	8	1	–	–	Tr	Tr	2500	1	*
1027.2	+2.0	NNW	3	bc	47	85	8	4	–	–	4-6	4-6	2500	1	3
1028.8	+2.6	NNW	4	b	48	75	6	2	–	4	Tr	1	2500	1	2
1030.6	+2.8	NW'N	3	bc	45	85	8	8	6	–	2-3	4-6	2500	1	2
1030.4	+1.6	N	4	bc	47	65	8	5	4	5	2-3	4-6	2500	1	3
1028.5	+2.0	WNW	3	bc	47	85	7	–	3	8	0	4-6	–	1	2
1030.1	+2.0	NW	2	b	46	75	8	7	4	–	Tr	1	4000	1	2
1028.3	+2.0	NW'W	4	bc/jp	44	85	9	8	–	–	1	1	2500	1	2
1027.4	+2.8	WNW	4	b	44	75	7	5	–	–	Tr	Tr	1500	1	*
1026.0	+3.4	WNW	4	z_o	43	75	6	7	–	–	2-3	2-3	4000	1	*
1023.1	+3.0	NW	3	c	44	85	6	2	6	8	4-6	7-8	1500	1	2
1024.0	+3.6	W'N	4	bc	42	75	8	4	3	–	1	2-3	2500	1	*
1021.5	+1.6	NW	2	bc	47	65	6	2	–	–	4-6	4-6	1500	1	2
1021.0	+2.0	WNW	4	bc	44	65	9	2	4	9	2-3	4-6	2500	0	3
1022.0	+3.4	W	4	b	43	65	9	4	4	–	Tr	Tr	4000	1	*
1025.0	+1.2	WNW	3	bc/jp	42	75	8	2	–	3	2-3	2-3	2500	1	*
1024.7	+3.6	WNW	5	bc	39	75	8	5	–	1	2-3	2-3	2500	1	*
1026.8	+3.2	NW'N	5	b	44	85	8	4	–	–	1	1	4000	0	3
1024.3	+2.0	W'N	5	bc/jp	44	75	8	8	6	5	2-3	4-6	1500	0	4
1019.6	+1.8	SW	4	c	41	85	8	5	7	–	4-6	10	1500	1	2
*	+2.8	NW	2	bc	37	85	7	4	–	–	4-6	4-6	2500	1	*
1020.7	+3.8	WNW	3	b	42	65	7	5	–	3	1	1	2500	1	2
1017.5	+3.0	W	3	bc	41	85	8	8	7	8	2-3	4-6	1500	1	2
1011.6	+1.8	W	5	bc	41	65	8	8	7	–	2-3	4-6	1500	1	*
1030.7	+2.0	WNW	4	bc	45	75	8	3	–	2	2-3	4-6	1500	0	3
1027.0	+3.0	NW	4	bc	45	82	7	4	6	4	2-3	4-6	1500	0	4
1028.3	+3.4	W'S	3	bc/jp	42	75	8	8	–	–	2-3	2-3	2500	1	*
1030.5	+3.2	NW	1	bc	46	65	8	5	4	–	2-3	4-6	2500	1	*
1033.6	+2.6	NNE	3	b	47	75	8	2	–	–	1	1	2500	1	3
1031.5	*	NW	4	bc	48	75	9	3	–	–	2-3	2-3	2500	1	2

PAST 24 HOURS.

Weather. 7h.—13h. 1st (37)	Weather. 13h.—18h. 1st (38)	Weather. 18h. 1st to 1h. 2nd. (39)	Weather. 1h.—7h. 2nd. (40)
bm.bc.y.	cbc.pr.b	m.b.z.	bbc.m.x
cbc.z.y	bc.y.pr.q	bm.w.	bm.w.x
bbc.y	bc.y.q.pr	bbm.	bm.bc
bc.bbc	cir.pl.b	b.	bm.x
cbc.b	bbc.pr.bc	bc.b.	bw.m.
or.cbc	bc.by.bc	cq.pr.b.	bx.bc.m.
cbc.z.	bc.z.y	bm.	b.c.m.
cbz.bc	bc.pr.	bc.b.m.x	bx.bc.m.
c.b.bc.y	bc.y	bc.b.	b.c.m.
cbc.q.y	bc.pr.	cbz.	bc.c.z.x
bc	bc.bc	bc.bx.	bx.bc.m.x
cbc	cbc.y.b	bb.m.	bm.c
bbc	c.pr.bc	bbc	bc
bbc.c.y	cpr.b	bw.x	bx.bc.x
bc.t.bc	bc.y.c.y	b	bx.bc
bm.bc	bc.pr.bc	b.	bc.m.x
cbc	bc	bc.b.	bcc
c.bc.bc.y	bc.y.b	bm.b.	bx.bc
cbc	bc	bc.b	bbc
bbc	bc.bc	bc.b	bw.bc
or.cbc	bbc	bc.bw.	bw
q.bc	bc.q.b	b	bw
b.c.bc	bc.b	b	bbc
bcc	bc.b	b	bb.c.w
bcz.pr.	bc	bc.bw.	b.c.m.w
cq	tr.Hc	b	bz.c
bbc	bc.y.b	b.	bbc
bc.q	bc.q	bc.b	bc.c.w
bc.q	bc.q	bc.b	bc.c.w
bc.bc	bc	bc	bc
bc.bc	bc.pr.bc	bc	bc
bc	pr.bc	bc.bw.	bw.bc.bc
bc	bc	bc	bc
c.bc.bc.pr.c	cbc	cbc.bc.pr.c	bcc
bc.bc	bc.bc	bc.bc	bc
c.pr.bc	pr.c.b	b.	cbc.b.c.
c.pr.hq	bc.phr	bc.c.pr.	orr.m.
bc	bc	bc	bc
c.p.h.r.bc.c	cbc	cbc.bc.pr.c	bcc
c.P.R.q.bc	c.pr.b	j.p.bc.b.	bbc.c
bc.pr.bc	bc	bc	bc
c.pr.bc.t.r.b.c	bc.pr.c.b	bw.	bw.bc.bc
bc	pr.bc	bc.bw.	bw.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.
f_s, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
n, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ka, 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).
⊕, Solar halo. ☾ lunar halo. ⁄ gale.
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.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. ,, 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.

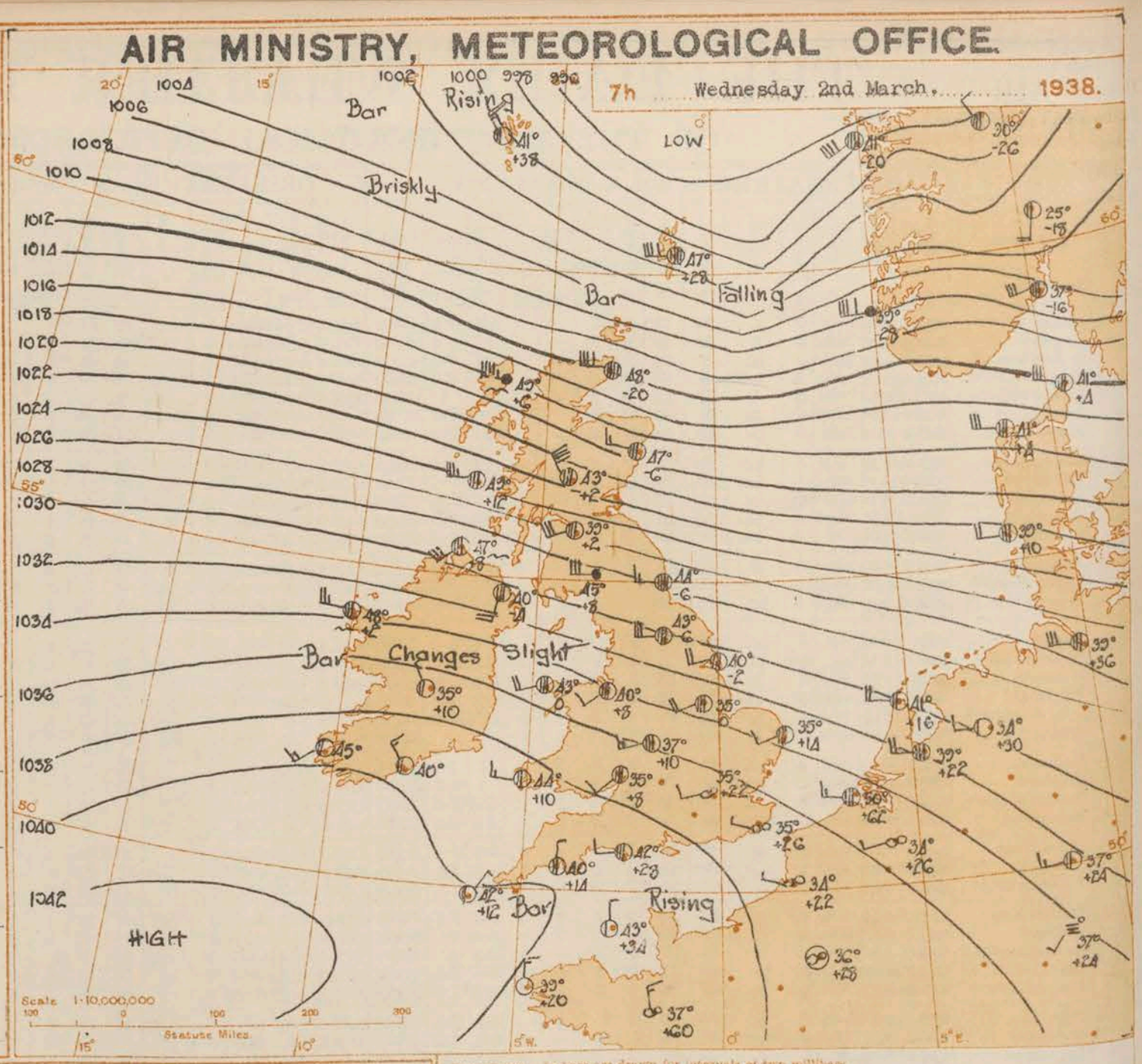
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ See disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 1st. March, 1938.

Districts	Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 28th 9h. to 9h. 1st	Temperature. (°F.) Max. 9h.—17h. 1st	Rainfall. (mm.) Night. 17h. 28th to 9h. 1st	Rainfall. (mm.) Day. 9h.—17h. 1st	Sunshine. (Hrs.) Sunrise to 17h. 1st	Sunshine. (Hrs.) Sunrise to Sunset. 28th
1	Tunbridge W.	bc	bc	46	55	1	–	6.6	0.2
	Bournemouth	b	b	45	55	3	–	8.5	0.2
	Ventnor ...	rb	bbc	45	56	4	–	8.7	0.0
	Southsea ...	b	bbc	46	55	2	–	7.8	0.7
	Bognor Regis	b	b	46	56	2	–	8.5	0.3
	Littlehampton	b	bbc	44	56	3	–	7.9	0.5
	Worthing ...	b	b	45	55	2	–	8.2	0.5
	Brighton ...	b	b	44	56	2	–	8.5	0.4
	Eastbourne† ...	b	bby	46	57	2	–	7.9	0.1
	Hastings† ...	bcbbc	bbc	44	57	1	–	7.8	0.2
	Folkestone ...	bcmb	bbc	44	55	1	–	6.7	0.0
	Dover ...	bcb	bbcb	46	56	1	–	7.7	0.0
	Deal	cbcb	b	45	55	0.5	–	7.1	0.0
	Ramsgate ...	bc	bc	48	51	Trace	–	7.5	0.0
	Margate ...	bc	bc	47	51	–	–	7.5	0.0
2	Southend ...	b	bqc	46	56	0.3	Trace	7.3	0.4
	Clacton-on-Sea	bc	bc	44	54	0.2	–	6.9	0.1
	Dovercourt ...	bcv	bcv	48	54	–	–	7.4	0.0
	Lowestoft ...	b	b	47	53	–	–	6.2	0.0
	Skegness ...	b	bcqbc	46	52	–	–	8.4	0.0
	Mablethorpe ...	bbcb	bcqb	45	52	–	Trace	8.2	0.8
	Cleethorpes ...	bc	bcrhbc	45	53	Trace	1	6.8	0.3
3	Leamington S.	bbc	cpbc	45	53	–	0.1	7.3	1.5
4	Cheltenham†	bbcc	rhtbc	44	53	Trace	0.5	7.1	2.2
5	Bath	b	bbcc	44	54	2	–	7.8	2.0
	Weymouth ...	b	b	45	56	–	–	8.9	0.0
	Jersey ...	rcbc	bcb	46	54	3	–	6.7	0.1
	Torquay ...	b	by	43	55	3	–	9.7	0.0
	Falmouth	b	b	46	55	8	–	9.2	0.0
	Penzance ...	b	b	46	54	8	–	9.0	0.1
	St. Ives ...	b	b	42	52	4	–	8.7	0.0
	Bude... ...	b	b	45	53	6	–	8.9	0.0
	Ilfracombe ...	rcbcb	bcbbc	45	49	8	–	8.9	0.3
6	Aberystwyth	brbcc	bc	44	48	3	–	6.1	0.0
7	Llandudno ...	c	bcb	44	49	0.2	–	5.9	2.0
	Colwyn Bay...	bccbc	bcb	44	51	0.5	–	6.0	0.7
	Rhyl	bbcc	bcb	44	48	0.5	–	6.2	1.5
8	Wallasey ...	bcb	b	43	49	–	–	6.6	0.4
	Southport ...	bbcb	bbcb	43	50	Trace	–	8.0	0.0
	Blackpool ...	bmb	b	44	47	–	–	8.7	0.0
	Morecambe ...	b	b	42	46	0.3	–	9.4	0.0
9	Ilkley... ...	bcb	b	43	50	–	–	7.3	0.7
	Harrogate ...	bbc	bcb	42	51	–	–	7.5	0.1
10	Berwick-on-T.	bcc	bcb	42	48	Trace	–	5.5	1.3
11	Dunbar ...	bcm	bc	41	47	–	–	5.0	3.2
12	Troon	rocbc	bcbc	42	47	1	0.3	3.4	0.0
	Douglas ...	bc	b	42	47	–	–	8.7	0.0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



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

Districts	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light or moderate westerly winds, fair; mild by day; local frost at night.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Fresh westerly winds, fair, apart from local showers; rather mild.
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	Strong west winds, a gale at times at first, cloudy, local rain; rather mild.
15 N.E. Scotland ▲ 16 Orkney and Shetland ▲	Strong west winds, a gale at times, cloudy, occasional rain; fair later; rather mild temperature becoming average.
17 N.W. Ireland 18 N.E. Ireland ▲	As 7 - 9.
19 S.E. Ireland 20 S.W. Ireland	As 1 - 6.

GENERAL INFERENCE.

An anticyclone is centred off Southwest Ireland and a secondary depression over Shetland is moving Southeast. Weather will be cloudy with local rain in the north but will continue fair and mild by day in the South and Southwest.

FURTHER OUTLOOK.

Continuing fair in the South and Southwest.

Times of issue of Gale Warnings.

▲ North Cone hoisted at 1910 on 1-3-38 in districts 11, 13, 15 and 16.

▲ North Cone hoisted at 0815 on 2-3-38 in districts 10, 12, 18.

Forecasts issued at 1015 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2.

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.

Morning of

WEDNESDAY, 2ND MARCH.

1938.

Clarke's Projection Scale 1: 4×10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ○ Clear sky. ◐ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✳ Snow. ✳ Sleet. △ Hail. ≡ Fog. ≡ Mist. ϟ Thunder. ϟ 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 2nd March, 1938.
No. 27859

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

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	1033.6	+28	W'S	2	Zo	39	85	6	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1037.9	+26	NNW	3	Zo	39	85	6	-	-	-	0	0	-
	Manston ...	142	1032.8	+26	WNW	4	b	39	85	6	-	-	-	0	0	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1030.8	+24	W'S	2	b	39	85	6	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1034.4	+14	N	3	b	41	85	8	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1036.6	+16	N	3	b	41	85	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1036.9	+18	NNE	4	b	45	92	8	-	-	-	0	0	-
	Guernsey ..	175	1034.5	+26	W	2	b	44	85	7	-	-	-	0	0	-
6	Pembroke ...	142	1036.0	+6	NW	2	b	43	85	8	-	-	-	0	0	-
7	Holyhead ...	26	1035.9	+18	WNW	4	b	44	85	8	5	-	-	Tr	Tr	4000.
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1030.1	+24	WNW	5	b	39	85	6	-	-	-	0	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1027.7	+10	W	4	b	40	85	7	-	-	-	0	0	-
11	St Abbs Head ..	280	1025.7	+8	W'N	5	c	41	85	8	5	-	-	10	10	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1031.7	+16	WNW	5	bc	44	85	8	4	-	-	2-3	2-3	2500.
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1016.5	-24	SW	8	pr	45	92	7	5	2	-	7-8	10	1500.
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1017.0	-20	W	4	c	42	75	8	5	2	-	7-8	10	1500.
16	Lerwick ...	156	1008.2	-24	W	8	c/phr	43	85	7	8	2	-	7-8	10	800.
17	Blacksod Point	18	1033.4	+6	WNW	5	bc	46	65	8	3	-	-	4-6	4-6	800.
18	Malin Head ...	84	1028.7	+4	SW'W	4	c	45	97	7	8	2	-	4-6	10	800.
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1038.4	+10	NW	2	b	45	92	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1037.8	+27	SW'S	2	Zo	34	92	5	-	5	2	0	4-6	-	1	*
1037.5	+22	WSW	2	Zo	35	92	6	-	4	3	0	4-6	-	1	*
1038.5	+24	W'N	2	c	31	85	8	-	7	-	0	7-8	-	3	*
1038.6	+20	NW'W	2	b	33	92	7	5	-	-	1	1	2500	1	*
1038.6	+20	N	2	Zo	34	92	6	-	4	1	0	1	-	1	1
1037.6	+26	WNW	1	Zo	35	85	6	-	3	6	0	4-6	-	1	§ 1
1037.0	+20	WNW	4	Zo	38	85	5	-	-	6	0	7-8	-	1	*
1036.3	+20	W'S	3	c	35	92	5	-	7	-	0	7-8	-	3	*
1035.2	+18	W	2	Zo	37	85	6	-	2	6	0	9	-	1	2
1034.1	+14	SW'W	2	c	35	92	6	-	7	-	0	7-8	-	0	2
1035.0	+6	SW'S	3	Zo	32	97	5	5	4	9	Tr	7-8	5700	3	*
1033.8	0	SW'W	4	c	35	92	7	5	4	-	4-6	7-8	4000	1	*
1036.2	+10	WSW	3	c	37	85	8	-	7	-	0	9	-	1	*
1037.3	+18	W'S	3	c	32	92	7	5	7	-	2-3	7-8	2500	1	*
1037.0	+8	SW	2	c	35	85	8	-	7	1	0	7-8	-	1	*
1038.4	+14	W	1	Zo	34	92	6	5	7	-	4-6	9+	2500	1	*
1039.1	+28	W	2	c	42	85	7	4	4	-	7-8	9	2500	1	3
1040.0	+16	NNE	1	bc	37	92	8	5	5	1	2-3	2-3	4000	1	0
1039.9	+14	N	1	bc	40	97	8	4	7	-	1	2-3	4000	1	2
1039.9	+12	NE'E	1	bc	42	97	8	4	4	-	1	2-3	2500	1	2
1039.0	+34	N	1	b	43	75	8	-	1	-	0	1	-	0	2
1038.6	+10	WNW	3	bc	44	85	8	-	7	-	0	2-3	-	1	3
1034.0	0	WSW	4	c	43	75	8	-	4	9	0	7-8	-	1	2
1035.0	+8	SW	2	c	40	75	7	5	7	-	2-3	7-8	5700	1	*
1034.2	+10	WSW	3	Zo	39	85	6	5	7	-	4-6	10	2500	1	*
1031.2	-2	W'S	4	c	40	92	6	5	-	8	4-6	7-8	2500	0	3
1028.4	-6	W'S	6	c	43	75	8	5	5	-	Tr	7-8	2500	1	*
1026.6	-6	W	3	0	44	75	7	-	2	-	10	10	300	0	1
1022.7	0	WSW	8	q	44	85	8	9	3	-	4-6	9	1500	0	4
1020.4	-14	WSW	7	q	44	75	8	5	7	-	1	4-6	1500	1	*
1025.8	+8	W	6	ir.	45	85	7	5	-	-	9+	9+	2500	1	*
1028.4	+2	SW'W	6	c	39	85	8	5	1	-	9+	9+	800	1	*
1031.2	0	W	6	c	43	85	8	-	7	-	0	9	-	0	3
1024.0	+12	W'S	7	c	49	85	7	5	-	-	10	10	1500	0	1
1014.6	+6	W	9	r.r.	49	97	6	5	2	-	7-8	10	1500	1	5
1021.8	+2	NW	8	c	43	85	7	4	2	-	4-6	10	2500	1	*
1017.1	-6	W	8	c	47	65	8	5	7	-	Tr	9+	2500	1	2
1010.8	-20	W	8	q	48	85	8	5	7	-	7-8	9+	1500	1	3
1000.9	-28	WSW	8	c/r	47	97	6	6	2	-	9	10	800	1	*
1033.4	+2	W	5	c	48	75	8	4	-	-	7-8	7-8	800	0	4
1027.8	+8	SW'W	6	c	47	97	6	8	-	-	9	9	800	0	5
1031.0	-4	SSW	4	c	40	85	8	5	3	-	4-6	7-8	2500	1	*
1036.4	+10	NW	1	bc	35	97	8	-	4	-	0	2-3	-	1	*
1039.7	+18	SW	3	bc	45	75	8	7	-	-	4-6	4-6	2500	1	3
1039.9	•	NW	3	bc	40	92	8	5	-	1	1	2-5	2500.	1	2

PAST 24 HOURS.

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 ...15... Hrs. (36)
54	33	25	0.1	-	6.9
54	34	28	0.3	-	7.2
55	30	21	0.2	Tr	8.1
54	32	28	1	Tr	8.1
53	33	29	Tr	-	8.1
53	35	30	Tr	0.5	6.9
53	36	32	-	Tr	7.1
56	34	24	0.1	-	7.0
52	36	33	-	-	6.8
52	34	33	Tr	-	6.4
53	30	24	-	Tr	6.0
52	34	29	-	-	5.4
51	35	32	0.1	-	6.6
53	32	21	Tr	-	*
53	34	27	-	-	7.0
53	32	27	Tr	-	8.0
50	41	*	-	-	*
52	36	28	-	-	9.0
52	39	*	-	-	8.7
53	41	*	-	Tr	6.8
52	41	34	0.2	-	8.0
48	41	*	-	Tr	8.3
48	43	39	-	-	6.9
49	39	33	-	-	8.1
49	33	26	Tr	-	6.9
49	39	*	3	-	5.6
48	38	29	Tr	-	5.4
50	39	35	-	-	7.3
51	37	*	-	-	*
47	37	33	-	-	2.5
46	39	35	1	0.4	3.3
46	35	31	0.5	-	6.7
49	42	*	-	-	7.3
47	42	40	0.2	0.3	7.4
41	35	*	1	5	6.2
41	35	34	2	4	2.9
45	37	31	Tr	-	2.9
45	37	*	1	-	*
45	40	*	1	4	5.5
55	41	*	0.3	-	*
47	42	*	2	0.2	5.5
47	37	32	1	-	5.1
51	33	*	0.1	-	7.2
50	35	29	2	Tr	7.0
50	37	*	Tr	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day mm.	Rainfall. Night mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity 15h. G.M.T. % (Yesterday.)	Humidity 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	bm,bcyd	cbcpr'b	mbZox	54	33	25	0.1	-	6.9	*	*	5
Croydon	217	cbccZoy	bcypnq	bm,wx	54	34	28	0.3	-	7.2.	*	*	6.
Greenwich (Royal Observatory)...	149	bc	cby	bxcm	54	35	28	-	Tr	5.7	46	76	4.
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6.9	*	*	*
Westminster (St James' Park) ...	27	*	*	*	51	36	32	-	-	7.2	52	80.	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	54	35	31	-	-	7.2	67	91	*
Camden Square	110	bbc	bcb.	*	56	35	27	-	-	*	At 18h. 79.		*
Kensington	80	bc	bcx	*	55	36	27	-	-	6.7	61	79.	*
Hampstead Observatory	450	bc	bc	bc	54	34	28	-	-	6.9	*	89.	*

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

South Kensington.

Max.	Time.	Min.	Time.
Record	Defective.		

Kew Observatory.

Max.	Time.	Min.	Time.
0.3	19h	0.1	14h
	1st		1st.

FOREIGN OBSERVATIONS.

Stations.	18h G.M.T. 1st March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 2nd March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1025.2	NW	3	bc	48	1036.7	-	0	Zo	36
Brussels	1023.8	NW	2	b	43	1035.4	WSW	1	Zo	34
Berlin	1012.5	W	5	c	46					
Zurich	1023.0	NW	2	c	50	1032.3	SE	1	—	36
Rome	1025.8	WNW	3	0	54					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
54	36	0.6	-
54	32	4.	-
50		1.	
•	•	-	8
•	•	-	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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METEOROLOGICAL OFFICE. AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. George C. Simpson, K.C.B., D.Sc., F.R.S., Director.

1 hr. observations are from Valentia W/T Station. : Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 3rd March, 1938.
No. 27860.

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

District.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	0–9 Visibility (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)	1037.1	-10	WSW	3	c	50	45	7	-	7	2	0	3+	-
	Croydon ...	1036.8	-14	W'S	4	c	53	45	7	5	3	4-6	3	7200	
	S. Farnborough	1037.6	-10	W	5	bc	52	45	8	-	4	1	0	4.6	-
	Boscombe Down	1038.4	-12	WN	5	bc	50	55	8	-	4	4	0	2-3	-
	Calshot (Sthmtn.)	1038.8	-6	WSW	3	bc	52	55	8	-	-	1	0	2-3	-
	Lympne ...	1037.9	-6	WSW	3	bc	48	55	8	-	4	-	0	4.6	-
	Manston ...	1037.4	-2	W	4	c	49	55	6	-	7	-	0	7-8	-
2	Shoeburyness ...	1036.3	-8	SW'W	3	m	48	65	4	-	7	-	0	3+	-
	Felixstowe ...	1035.5	-10	WSW	3	c	45	65	7	-	7	-	0	3+	-
	Gorleston ...	1033.0	-10	WSW	4	c	44	75	6	5	7	-	9	9	4000
	Mildenhall ...	1034.8	-8	W	5	c	50	65	8	5	7	8	Tr	9	5700
	Cranwell ...	1033.7	+2	WSW	6	c	49	65	7	-	3	-	0	7-8	-
3	Birmingham ...	1036.0	+2	WSW	3	c	46	65	8	-	2	-	0	10	-
	Upper Heyford	1037.2	-6	W	4	c	52	45	8	5	4	6	2-3	3+	4000
4	Ross-on-Wye	1037.7	0	SWW	3	c	49	55	9	7	7	9	Tr	7-8	4000
5	Bristol ...	1038.3	-8	W	4	bc	49	75	8	1	1	8	2-3	4-6	2500
	Portland Bill ...	1039.4	+4	WSW	3	bc	46	85	8	4	-	*	4-6	4-6	2500
	Plymouth ...	1040.9	-4	W	3	bc	50	65	8	2	-	1	Tr	2-3	2500
	The Lizard ...	1041.3	+2	W'S	3	bc	51	75	8	4	4	-	2-3	4-6	2500
	Scilly (St.Mary's)	1042.2	+2	NW'W	3	bc	51	75	8	1	-	4	1	2-3	4000
	Guernsey ...	1040.5	0	NW	1	b	49	65	8	1	1	-	Tr	1	2500
6	Pembroke ...	1039.6	0	W	5	q	47	75	8	7	4	9	2-3	4-6	4000
7	Holyhead ...	1036.0	+2	SWS	4	bc	50	65	8	1	4	1	Tr	4-6	4000
	Chester(Sealand)	1036.1	0	W'S	5	c	51	65	8	-	4	6	0	7-8	-
8	Manchester ...	1033.9	-2	W	5	c	48	75	7	7	3	8	2-3	7-8	4000
10	Spurn Head ...	1031.2	0	WNW	7	q	47	75	6	5	7	1	4-6	7-8	2500
	Catterick ...	1030.6	+12	WS	5	c	46	75	7	5	2	9	4-6	9	1500
	Tynemouth ...	1026.4	+16	W	6	q	48	75	6	8	-	-	7-8	7-8	1500
11	St. Abbs Head ...	1022.1	0	W	8	q	51	75	7	8	6	1	4-6	4-6	1500
	Leuchars ...	1022.9	+10	W	7	bc	55	65	8	8	7	-	4-6	4-6	2500
12	Renfrew (Abbotsl.)	1028.3	+32	WNW	4	ld.	49	65	6	5	-	-	10	10	1500
	Eskdalemuir ...	1028.1	+2	W	6	r.r.	46	85	7	6	-	-	10	10	800
	Point of Ayre...	1032.6	+4	WN	5	c	50	85	8	-	4	9	0	9	-
13A	Tiree	1026.0	0	W'S	5	c/r	50	85	6	5	-	-	10	10	1500
13B	Stornoway ...	1018.8	*	WSW	7		49	97	7	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1024.4	+24	NW	4	c	45	85	7	8	-	-	10	10	2500
	Aberdeen ...	1020.4	+22	WN	5	c	55	65	8	8	4	9	7-8	7-8	2500
	Wick ...	1016.1	+26	W	8	q	53	75	8	5	7	-	9	10	1500
16	Lerwick ...	1010.5	+44	W	5	ir	46	92	6	6	2	-	4-6	10	800
17	Blacksod Point	1033.8	0	WSW	5	bc	50	75	8	4	4	4	0	4-6	-
18	Malin Head ...	1029.2	-4	W	6	z_o	51	92	6	4	8	-	2-3	4-6	1500
	Aldergrove ...	1031.8	0	WSW	5	c	52	65	8	-	5	2	0	7-8	-
19	Birr Castle ...	1037.1	+4	W	3	c	53	65	8	4	7	-	4-6	7-8	2500
20	Valentia Obsy. †	1040.7	+4	SW	4	c	50	75	8	5	-	-	9+	9+	2500
	Roches Point	1040.1	*	W	2	bc	51	75	9	1	-	5	2-3	4-6	2500

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

District.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	0–9 Visibility (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)	1036.8	+2	WSW	3	bc	49	55	5	-	-	2	0	2-3	-	1	*
	Croydon ...	1036.6	+2	W'S	3	z_o	49	65	6	-	4	2	0	2-3	-	1	*
	S. Farnborough	1037.4	0	W'S	4	bc	47	75	8	-	-	4	0	4-6	-	1	*
	Boscombe Down	1038.1	-4	W'N	4	bc	44	75	8	-	4	2	0	4-6	-	1	*
	Calshot (Sthmtn.)	1038.2	0	W'N	3	bc	46	65	8	-	-	4	0	4-6	-	1	2
	Lympne ...	1036.2	-4	SW'S	2	b	43	85	6	-	4	1	0	1	-	1	§ 2
	Manston ...	1035.8	-4	W	3	z_o	47	55	6	-	-	5	0	2-3	-	1	*
2	Shoeburyness ...	1035.4	-2	WSW	3	m	46	65	4	-	4	1	0	2-3	-	1	*
	Felixstowe ...	1034.8	0	WSW	3	b	49	55	8	-	4	1	0	Tr	-	0	2
	Gorleston ...	1032.7	+2	W	4	bc	48	65	6	-	4	1	0	2-3	-	0	2
	Mildenhall ...	1034.5	-2	W'S	4	b	46	65	8	-	-	1	0	1	-	0	*
	Cranwell ...	1033.5	+6	W	4	z_o	45	75	6	5	4	1	2-3	4-6	5700	1	*
3	Birmingham ...	1034.7	-14	W	4	bc	45	65	8	-	7	-	0	4-6	-	1	*
	Upper Heyford	1036.4	-2	WS	4	bc	45	65	8	-	7	1	0	2-3	-	1	*
4	Ross-on-Wye	1037.6	0	SW	2	bc	47	65	8	4	-	2	Tr	4-6	2500	1	*
5	Bristol ...	1038.9	0	W	4	c	43	85	8	1	1	9	Tr	7-8	2500	1	*
	Portland Bill ...	1038.9	-6	WNW	3	bc	46	85	8	4	-	-	4-6	4-6	2500	1	3
	Plymouth ...	1040.6	+2	NW	2	c	48	65	8	-	5	2	0	7-8	-	1	2
	The Lizard ...	1041.2	-2	W	3	bc	46	85	8	7	7	-	2-3	4-6	4000	1	2
	Scilly (St.Mary's)	1041.3	-2	NW'W	3	bc	47	75	8	7	-	2	2-3	4-6	4000	1	2
	Guernsey ...	1040.5	-2	WSW	1	bc	45	85	7	-	1	-	0	2-3	-	0	1
6	Pembroke ...	1038.9	-2	W	5	q	46	85	8	7	1	-	2-3	7-8	4000	1	3
7	Holyhead ...	1035.6	-14	SSW	3	c	46	85	9	-	4	8	0	7-8	-	1	2
	Chester(Sealand)	1035.2	0	SSW	3	bc	48	65	7	-	4	8	0	4-6	-	1	*
8	Manchester ...	1035.1	+2	WSW	3	z_o	44	75	5	5	4	9	2-3	4-6	5700	1	*
10	Spurn Head ...	1031.1	0	W'N	7	q	46	85	6	4	-	7	4.6	10	2500	0	4
	Catterick ...	1031.2	0	W'S	3	c	47	75	8	5	9	-	2-3	7-8	2500	1	*
	Tynemouth ...	1028.7	+14	W	4	bc	50	75	7	8	-	-	4-6	4-6	1500	0	2
11	St. Abbs Head ...	1025.4	0	W	8	q	49	85	7	8	6	1	4.6	7-8	1500	0	4
	Leuchars ...	1024.8	+6	WSW	7	q	50	75	8	4	4	2	2-3	4-6	2500	1	*
12	Renfrew (Abbotsl.)	1029.6	+10	W	5	c	48	85	7	5	4	-	4-6	7-8	1500	1	*
	Eskdalemuir ...	1030.2	+14	S	4	bc	44	85	7	5	3	1	1	4-6	1500	1	*
	Point of Ayre...	1032.6	+2	W	6	bc	48	85	8	-	4	-	0	2-3	-	0	3
13A	Tiree	1025.0	-8	SWW	7	c	49	85	6	5	1	-	7-8	10	2500	0	5
13B	Stornoway ...	1018.9	0	WSW	7	r.r.	49	97	6	5	2	-	7-8	10	1500	1	5
15	Dalwhinnie ...	*	-4	W	3	dr	44	92	7	8	-	-	10	10	2500	1	*
	Aberdeen ...	1021.7	+10	WN	4	c	53	65	7	5	4	9	4-6	7-8	4000	1	2
	Wick ...	1017.5	+12	W	7	c	50	85	8	5	7	-	7-8	9	1500	1	3
16	Lerwick ...	1011.0	-4	WSW	6	rr	48	97	5	6	-	-	10	10	450	1	*
17	Blacksod Point	1033.1	-2	SSW	5	q	48	85	7	-	4	4	0	4.6	-	0	4
18	Malin Head ...	1029.4	+6	W	6	bc	49	92	7	4	4	-	1	4-6	800	0	5
	Aldergrove ...	1032.4	+8	SSW	5	bc	49	75	8	-	5	-	0	2-3	-	1	*
19	Birr Castle ...	1036.6	0	W'S	2	c	49	75	8	5	-	5	4-6	9	2500	1	*
20	Valentia Obsy. †	1039.3	-2	WSW	4	c	48	75	8	5	-	1	9	9+	2500	1	3
	Roches Point	1038.8	*	W	3	bc	50	75	9	-	-	5	0	4-6	-	1	2

PAST 24 HOURS.

Weather. 7h.–13h. 2nd (37)	13h.–18h. 2nd (38)	18h. 2nd to 1h. 3rd (39)	1h.–7h. 3rd (40)
x cm. y c	cbbcz.	be y bm.	cm. x
bcm. czy	bcyz.	bz. m. w	bm. bw
bcxbcy	bcybc	bcbx	bx
bcy	bcybc	bcb	b c
bbm. by	by	be y bbw	bw m.
bccz.	bcyb	bm. w	bm. bx
bccm.	bcz. y	bz. m.	bm. bc
bcm. bcm	cbcm. m	bm	bm
cm. bcc	cbcb°	byb	bbm.
cz. z.	cbcz.	bcz. b	b
cm. c	bcb	b	bm. x
cbcc	cbcz. bc	bcz. bm.	bm. bw
c	cbc	bc	bcb
bcxcy	bcy	bcb	bxof
ccvy	cvc	bcbw	bbx
bccbc	bc	bcbw	bwc
cbc	bcbc	b	bbc
bcbcmb	bbcyc	cbz. w	bm. xc
bcbbc	bc	bc	bcw
bc	bc	bcbw	bw
bbcb	bbc	bcbw	bwbcc
bbcq	q, bcc	bqbcc	cq
bc	bccbc	bcwb	bwpnc
bccm.	bccbc	bcb	bw
cm. bcz.	cbcz.	bcbm. b	bxff
coq	cq	cqbc	bcbw
cbcc	cbcb	bbcx	
ocq	cbcq	bc	bc
cq, bc	cq	bq	bqy
bcq cq	bcq	bcq bq	bbc
cid. ir.	cm. id. bc	cbcb	bbc
od. d. r.	r. cbc	bcbbc	bcc
c	cbc	bcb	bbcw
c	c	c	c
cr. r.	cr. r.	cr.	cpr.
irc	c	*	irc
bcc	cq, bbc	bccb	bbcy
cprcq	cq	cprcq	cq
cprir	irddrr	cirm	cprm.
bcq	bcq	bc	cq
cz. zbc	pc	bcbbc	bc
cbc	bc	bcb	b, cr. c
bcc	c	cb	b
bcc	c	c	c
bc	bc	bcbw	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., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☾ lunar halo. ⁄ gale.
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.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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.

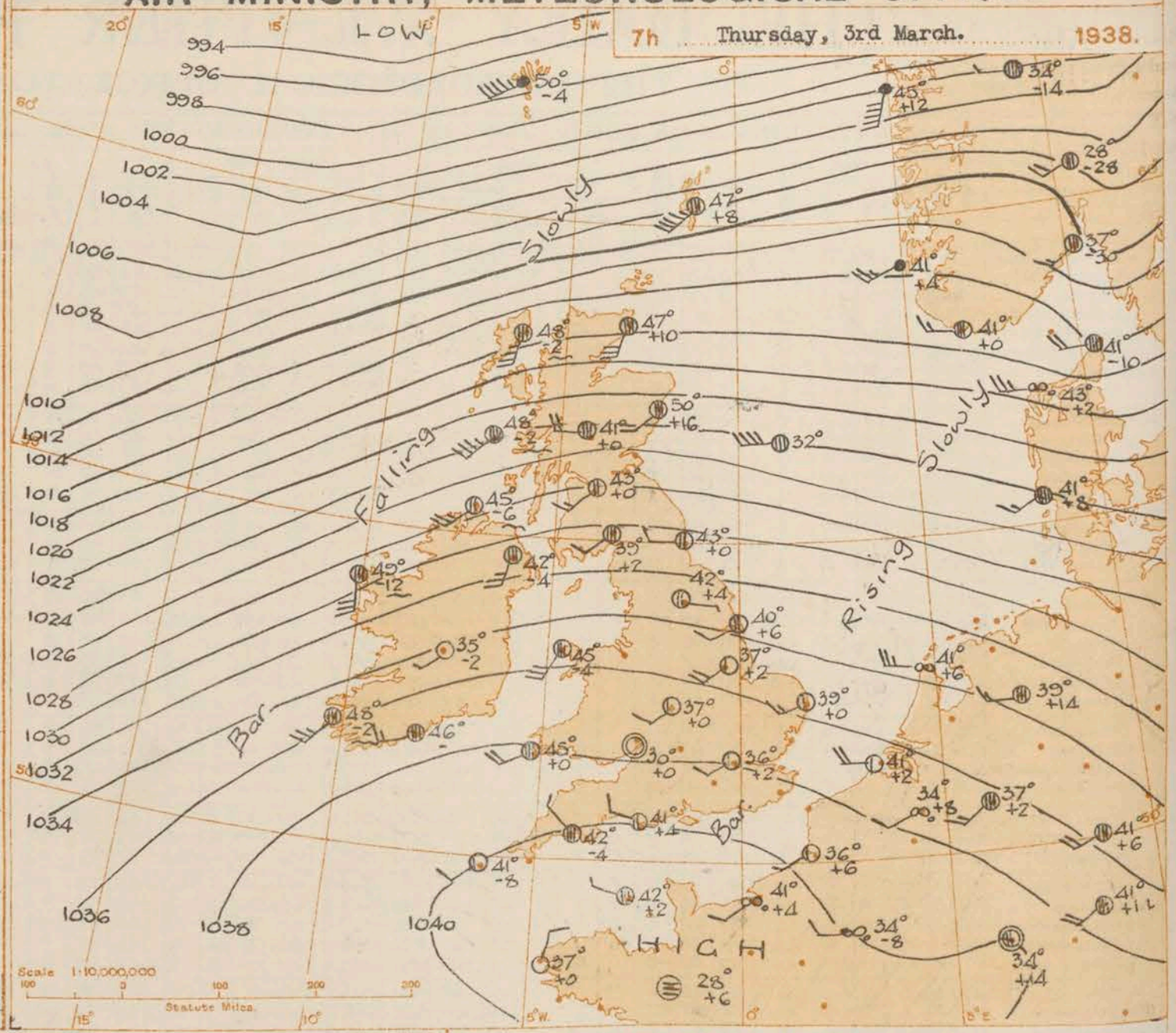
0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less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

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*

† See disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Thursday, 3rd March. 1938.



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.

REPORTS from HEALTH RESORTS for 2nd March 1938.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 9h. 1st to 9h. 2nd.	Temperature. (°F.) Max. 9h.—17h. 2nd.	Rainfall. (mm.) Night. 17h. 1st to 9h. 2nd.	Rainfall. (mm.) Day. 9h.—17h. 2nd.	Sunshine. (Hrs.) Sunrise to 17h. 2nd.	Sunshine. (Hrs.) Sunrise to Sunset. 1st.
1	Tunbridge W.	cbc	cbc	29	53	0.3	-	5.8	6.6
	Bournemouth	b	b	35	56	-	-	9.4	8.5
	Ventnor ...	xb	b	36	52	-	-	9.4	8.7
	Southsea ...	b	b	35	54	-	-	9.0	7.8
	Bognor Regis	b	b	35	54	-	-	9.3	8.5
	Littlehampton	bc	bcb	36	54	-	-	9.3	7.9
	Worthing ...	b	b	38	51	-	-	9.1	8.2
	Brighton ...	bcb	b	37	49	-	-	8.7	8.5
	Eastbourne† ...	bc	bcb	38	49	-	-	8.6	7.9
	Hastings† ...	bbcbc	bcbb	35	51	Trace	-	7.8	7.8
	Folkestone ...	bm.c	cbcb	37	52	Trace	-	5.9	6.7
	Dover ...	bcc	cb	38	52	Trace	-	5.1	7.7
	Deal	bcc	bcbb	35	54	-	-	5.0	7.1
	Ramsgate ...	bc	bc	40	53	-	-	4.8	7.5
	Margate ...	bcc	bc	38	51	-	-	4.6	7.5
2	Southend ...	cm	cmb	34	53	0.5	-	3.8	7.3
	Clacton-on-Sea	bcmc	cbc	34	53	-	-	4.4	6.9
	Dovercourt ...	xbcc	bcv	35	53	-	-	3.5	7.4
	Lowestoft ...	c	ccbcb	33	51	-	-	1.0	6.2
	Skegness ...	bcc	cbcb	33	52	-	-	3.4	8.4
	Mablethorpe...	cbc	bbc	34	52	-	-	4.0	8.2
	Cleethorpes ...	cbc	bc	37	52	-	-	5.1	8.8
3	Leamington S.	c	c	32	50	-	-	0.4	7.3
4	Cheltenham†	cbc	bcq	30	53	-	-	6.3	7.5
5	Bath	b	bbc	33	51	-	-	9.1	8.0
	Weymouth ...	b	b	35	53	-	-	9.4	9.2
	Jersey ...	b	b	41	53	-	-	9.8	6.7
	Torquay ...	wbb	by	33	54	-	-	9.2	9.8
	Falmouth	b	b	37	54	-	-	9.3	9.4
	Penzance ...	b	b	37	54	-	-	9.4	9.2
	St. Ives ...	b	b	43	54	-	-	9.2	9.0
	Bude... ...	xb	b	29	49	-	-	8.2	9.3
	Ilfracombe ...	bcbb	bcbc	37	49	-	-	7.4	8.9
6	Aberystwyth	cbcc	bcc	34	46	-	-	3.0	6.1
7	Llandudno ...	b	bbc	42	50	-	-	6.9	6.1
	Colwyn Bay...	bcbcb	bcbcb	41	56	-	-	6.4	6.1
	Rhyl	bc	bc	37	55	-	-	6.3	6.3
8	Wallasey ...	bc	bc	41	51	-	-	4.0	6.6
	Southport ...	bc	bc	40	50	-	-	5.0	8.0
	Blackpool ...	cm.bc	bcm.	43	49	Trace	-	3.9	8.7
	Morecambe ...	bbcc	cbcbc	40	48	-	-	3.7	9.4
9	Ilkley... ...	c	cbc	37	47	-	-	0.6	7.3
	Harrogate ...	c	cbc	36	48	-	-	0.5	7.5
10	Berwick-on-T.	ocbc	bcc	37	53	-	-	2.8	5.9
11	Dunbar ...	cmo	bcm.	38	52	-	-	2.1	5.0
12	Troon... ...	ococc	cbcbb	40	50	1	-	1.0	3.6
	Douglas ...	bc	b	40	53	-	-	7.9	9.0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd March, 1938.
1 S.E. England 2 E. England 3 E. Midlands ...	Light westerly winds; mainly fine; mild by day, local ground frost at night.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate westerly winds; mainly fine; mild.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Fresh westerly winds; fair today, occasional rain tomorrow; rather mild.
12 S.W. Scotland & Isle of Man 13 A. W. Scotland, B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Westerly winds, strong to gale; cloudy, rain at times; rather mild.
17 N. W. Ireland 18 N. E. Ireland	As 7 - 11.
19 S. E. Ireland 20 S. W. Ireland	As 4 - 6.

H.M. Stationery Office Press, Kingsway, W.C.2

GENERAL INFERENCE.

An anticyclone covers Northern France and Southern England and a deep depression north of Iceland is moving east. Weather will be mainly fine in the South and Southeast but rather unsettled in the North with occasional rain. Temperatures will continue mainly above average.

FURTHER OUTLOOK.

Mainly fair in the South and Southeast, changeable in the North.

Time of issue of Gale Warning.

South Cone hoisted at 1600 on 2/3/38 in districts 8,10, 11,12, 13A, 13B, 15, 16, 17, 18 and part of 2 and 7.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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.

Morning of

THURSDAY, 3RD MARCH.

1938.

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

Thursday, 3rd March, 1938.
No. 27860.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1038·3	+10	SW'W	3	2_o	39	92	6	-	-	-	0	0	-
	S. Farnborough	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	340	1038·6	+6	W	3	2_o	37	85	6	-	-	-	0	0	-
	Manston ...	142	1038·1	+14	WSW	2	2_o	39	85	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1034·5	+6	WSW	3	b	40	85	6	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1039·6	-6	WNW	3	b	44	85	8	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1041·3	-4	WN	2	bc	43	85	8	8	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1041·2	-6	W	3	b	42	92	8	-	-	-	0	0	-
	Guernsey ...	175	1040·8	-2	W	1	b	43	92	9	-	-	-	0	0	-
6	Pembroke ...	142	1039·1	0	W	3	c	46	85	8	5	2	-	7-8	9+	4000
7	Holyhead ...	26	~~1034·4~~ 1035·3	~~-22~~ -4	S	4	b	45	92	7	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	75	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1032·9	+6	NNW	6	bc	44	85	6	-	2	-	0	2-3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1029·5	+10	W	3	bc	47	75	7	5	-	-	2-3	2-3	1500
11	St. Abbs Head ...	280	1025·9	-4	W	8	q	49	65	8	-	3	-	0	2-3	-
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1032·6	-2	W	6	b	43	92	8	-	-	-	0	0	-
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13b	Stornoway ...	80	1018·3	0	SW	8	c	49	85	7	5	1	-	7-8	9+	2500
14	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1027·6	-6	W	8	q	50	85	8	5	7	-	4-6	7-8	1500
15	Lerwick ...	156	1009·9	-8	WSW	8	c/r	47	97	6	6	2	-	4-6	10	450
17	Blacknod Point	18	1031·0	-14	S	6	bc	47	85	8	4	-	-	2-3	2-3	1500
18	Malin Head ...	84	1027·9	-18	SW'W	5	b	45	97	7	4	-	-	Tr	Tr	800
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1037·4	-6	SW	4	c	45	92	8	5	-	-	7-8	7-8	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High. (25)	Cloud. Amount. Low 0–10 (26)	Cloud. Amount. Total 0–10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	1038·1	+2	SW	2	2_o	36	92	5	-	-	1	0	Tr	-	1	*
	1038·3	+2	SW'W	2	b	36	97	6	-	-	1	0	Tr	-	1	*
	1038·7	0	WSW	2	b	35	97	8	-	-	-	0	0	-	3	*
	1039·4	0	SW	2	c	38	97	7	5	-	-	0	0	1500	1	*
	1039·6	0	SW	2	b	36	92	7	-	4	-	Tr	1	4000	1	1
	1038·9	+6	NNW	2	b	34	92	7	-	-	-	0	Tr	-	1	S1
	1038·4	+10	WSW	2	bc	36	85	7	-	-	6	0	4-6	-	1	*
2	1037·3	+4	WSW	3	3_o	38	92	4	-	-	1	0	1	-	1	*
	1036·6	+6	SW	2	2_o	37	85	6	-	-	5	0	1	-	1	2
	1035·3	0	WSW	3	b	39	85	6	-	4	-	0	1	-	0	2
	1036·6	+2	SW'S	3	2_o	34	92	6	-	-	4	0	Tr	-	1	*
	1035·1	+2	SW	4	b	37	92	7	-	4	-	0	Tr	-	1	*
3	1037·0	0	SW	2	b	37	85	8	-	-	1	0	Tr	-	1	*
	1038·1	-2	SW	1	F	33	97	1	-	-	-	10	10	<150	1	*
4	1037·8	0	-	0	b	30	92	8	-	-	9	0	Tr	-	1	*
5	1039·0	0	WSW	4	c	41	92	8	5	-	-	9+	9+	1500	1	*
	1039·6	+4	WNW	2	bc	41	92	8	4	-	-	2-3	2-3	2500	1	2
	1040·4	-4	NW	1	c	42	85	8	5	-	-	9+	9+	1500	1	1
	1040·5	-4	W'S	2	bc	43	92	8	7	-	-	2-3	2-3	2500	1	2
	1039·8	-8	SW	2	b	41	92	8	1	-	-	Tr	Tr	4000	1	2
	1040·8	+2	WNW	1	c	42	97	7	7	3	-	4-6	7-8	2500	1	2
6	1038·5	0	WSW	4	q	45	85	8	5	-	-	9+	9+	2500	1	3
7	1034·5	-4	SW'S	6	q	45	85	9	8	-	-	9+	9+	1500	1	3
	1035·3	+2	SW'S	2	b	43	75	8	-	4	-	0	1	-	1	*
8	1035·6	0	E'N	1	F	31	97	0	-	-	-	10	10	<150	1	*
10	1033·7	+6	SW'W	2	bc	40	85	6	-	-	5	0	2-3	-	0	2
	1032·6	+4	SE'E	1	bc	42	85	8	5	2	6	Tr	4-6	1500	0	1
	1029·7	0	W	2	bc	43	75	6	2	-	1	2-3	4-6	1500	0	1
11	1025·8	+2	WSW	5	q	47	55	8	-	6	-	0	2-3	-	0	3
	1026·2	+8	WSW	5	bc	42	85	8	5	7	-	2-3	4-6	5700	1	*
12	1028·8	0	SW'W	3	bc	43	85	7	5	4	1	2-3	4-6	2500	1	*
	1030·1	-2	SW	2	c	39	92	6	5	-	2	7-8	9	800	1	*
	1031·9	-2	W	5	bc	42	92	8	-	-	5	0	2-3	-	1	3
13a	1023·1	-2	SW	7	o	48	85	7	5	-	-	10	10	1500	0	5
13b	1016·5	-2	SSW	7	c	48	85	6	5	2	-	7-8	10	1500	1	4
14	1024·7	0	W	4	c	41	75	8	4	7	-	4-6	9	2500	1	*
	1021·2	+16	SW	2	c	50	55	8	-	4	9	0	7-8	-	1	1
15	1016·2	+10	SSW	6	c	47	85	8	5	9	1	4-6	7-8	1500	1	3
	1008·8	+8	SW	9	c/pr	47	92	6	6	2	-	9	10	800	1	*
17	1029·1	-12	S	6	q	49	85	8	9	-	-	10	10	800	0	4
18	1026·3	-6	SW	5	bc	45	97	7	5	4	-	2-3	4-6	800	0	5
	1031·0	-4	SSW	5	c	42	85	7	5	-	1	7-8	7-8	1500	1	*
19	1033·9	-2	SW	1	b	35	97	8	-	-	-	0	0	-	1	*
20	1035·4	-2	SW'S	5	c	48	75	8	5	-	-	9	9	2500	1	4
	1037·1	‡	W'S	3	c	46	85	8	5	-	-	7-8	7-8	1500	1	2

PAST 24 HOURS.

District	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 2nd Hrs. (36)
1	53	35	28	-	Tr	6·1
	54	36	32	-	-	6·4
	54	33	24	-	Tr	8·8
	51	36	33	-	-	9·1
	53	36	32	-	-	9·4
	53	34	29	-	-	6·6
	53	35	27	-	-	4·7
2	54	37	32	-	-	4·2
	51	37	32	-	-	2·6
	50	38	35	-	-	0·1
	53	33	25	-	Tr	2·4
	50	37	34	-	Tr	2·4
3	47	36	29	-	-	0·0
	55	30	20	-	-	*
4	51	29	18	-	-	3·3
5	50	40	36	-	-	8·2
	47	41	*	-	-	*
	51	38	30	-	-	8·4
	52	42	*	-	-	10·1
	52	41	*	-	0·1	8·8
	52	40	33	-	-	10·3
6	48	44	*	-	-	6·5
7	51	43	40	-	Tr	7·3
	54	42	30	-	-	1·9
8	49	29	25	-	-	0·1
10	48	39	*	-	Tr	3·7
	49	42	*	-	-	1·3
	51	42	37	-	-	2·4
11	53	41	*	-	-	*
	55	42	39	-	-	4·9
12	49	42	36	0·2	-	0·0
	49	37	33	0·2	-	0·8
	54	41	*	-	-	4·8
13a	50	48	47	-	-	0·0
13b	50	48	*	1	0·1	0·0
14	47	36	37	1	1	0·0
	58	50	44	-	-	3·8
15	54	47	*	Tr	Tr	*
	53	44	*	3	1	0·3
17	51	42	*	-	-	*
18	52	43	*	-	-	4·1
	55	41	37	-	Tr	5·7
19	54	35	*	-	-	8·7
20	52	47	43	-	-	2·5
	51	41	*	-	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	xcm,yc	cbbcz$_o$	bcybm$_o$	53	35	28	-	Tr	6·1	*	*	5
Croydon	217	bcm,czy	bcyz$_o$	bz$_o$m$_o$w	54	36	32	-	-	6·4	*	*	6
Greenwich (Royal Observatory)...	149	c	cby	bw	53	37	31	-	Tr	4·3	45	87	5
City (Gunhill Row)	—	•	•	•	•	•	•	•	•	4·8	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	54	38	31	-	-	4·8	47	93	•
Regents Pk. (Botanic Gardens)†...	168	•	•	•	53	37	34	-	-	4·8	48	91	•
Camden Square	110	c	bc	•	55	37	29	-	-	•	•	91	•
Kensington	80	bczx	bcz	•	54	37	29	-	-	5·2	41 18h.	91	•
Hampstead Observatory	450	bc	bc	bcm	54	35	31	-	-	4·9	•	98	•

FOREIGN OBSERVATIONS.

Stations.	18h G.M.T. 2nd March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 3rd March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1038·6	NW	2	b	48	1041·0	W	2	2_o	34
Brussels	1036·3	WSW	3	b	43	1038·0	WSW	2	2_o	34
Berlin	1024·3	W'S	5	ir$_o$	45	1026·1	WNW	5	dd	45
Zurich	1036·2	SSE	1	bc	41	1038·7	SSE	1	c	37
Rome	1026·6	WNW	2	c	54					

Past 24 Hours.

Stations.	Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	55	32	-	-
Brussels	52	34	-	-
Berlin	46	41	Tr	1
Zurich	52	36	0·1	-
Rome	*	*	-	

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 3rd.

South Kensington.

Max.	Time.	Min.	Time.
Pollution defective			

Kew Observatory.

Max.	Time.	Min.	Time.
0·3	8h 2nd.	<0·1	3h 3rd.

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

* 1 hr. observations are from Valentia W/T Station. † Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‡ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 4th March, 1938.
No. 27861.

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1037·8	-6	SW	3	z.	54	55	6	–	–	–	0	0	–
	Croydon ...	1037·7	-6	WSW	3	b	59	45	6	–	–	–	0	0	–
	S. Farnborough	1038·1	-10	WS	3	b	57	55	8	–	–	–	0	0	–
	Boscombe Down	1038·7	-10	W'S	3	b	53	65	8	–	–	–	0	0	–
	Calshot (Sthmtn.)	1039·2	-6	SWS	4	b	49	75	7	–	–	–	0	0	–
	Lympne ...	1038·4	-8	SW	3	b	58	55	8	–	–	–	0	0	–
	Manston ...	1037·6	-10	SW	2	b	60	45	7	–	–	–	0	0	–
2	Shoeburyness ...	1037·2	-6	WSW	3	b	58	55	6	–	–	–	0	0	–
	Felixstowe ...	1036·6	-6	WSW	1	b	56	45	7	–	–	–	0	0	–
	Gorleston ...	1034·8	-4	SW	3	b	56	45	6	–	–	1	0	Tr	–
	Mildenhall ...	1035·8	-6	WSW	4	b	57	45	7	–	–	1	0	Tr	–
	Cranwell ...	1034·3	-6	SWW	5	z.	53	55	5	–	4	–	0	Tr	–
3	Birmingham ...	1036·0	-2	WSW	4	b	53	45	8	–	–	–	0	0	–
	Upper Heyford	1037·3	-6	SWS	3	b	55	55	7	–	–	–	0	0	–
4	Ross-on-Wye	1036·6	-6	SWW	3	b	56	35	8	–	–	–	0	0	–
5	Bristol ...	1039·2	+2	WSW	4	b	49	75	8	1	–	–	Tr	Tr	2500
	Portland Bill ...	1039·1	-6	W	2	b	47	85	8	–	–	–	0	0	–
	Plymouth ...	1040·3	0	SSW	2	b	50	75	8	1	–	–	Tr	Tr	4000
	The Lizard ...	1040·0	0	SSW	2	b	51	85	8	7	–	–	1	1	4000
	Scilly (St.Mary's)	1040·4	+6	SWW	3	b	51	85	8	–	–	–	0	0	–
	Guernsey ...	1039·9	-4	W	1	b	51	75	8	–	–	–	0	0	–
6	Pembroke ...	1038·2	-2	SW	4	q	48	85	8	5	4	–	4-6	4-6	2500
7	Holyhead ...	1034·3	-4	SSW	6	bc	48	75	8	5	4	4	2-3	2-3	1500
	Chester(Sealand)	1034·9	-10	WSW	3	b	57	45	8	–	–	–	0	0	–
8	Manchester ...	1034·5	-16	SW	4	b	55	45	7	–	–	–	0	0	–
10	Spurn Head ...	1032·9	-2	WSW	4	bc	52	65	6	–	–	8	0	4-6	–
	Catterick ...	1032·1	-8	W	4	b	49	65	7	1	–	–	1	1	2500
	Tynemouth ...	1028·5	-6	W	3	bc	54	55	7	7	4	–	1	2-3	2500
11	St. Abbs Head ...	1025·2	-6	WSW	5	b	51	65	8	1	–	2	Tr	1	–
	Leuchars ...	1025·2	-10	WSW	6	bc	48	75	8	8	7	–	4-6	4-6	2500
12	Renfrew (Abbotsl.)	1027·1	-10	SWW	5	c	48	75	7	5	7	1	4-6	7-8	2500
	Eskdalemuir ...	1029·6	-2	SSW	6	c	42	85	7	5	–	–	10	10	800
	Point of Ayre ...	1031·7	-6	W'S	6	b	52	65	8	–	4	–	0	Tr	–
13A	Tiree	1022·0	-2	SWS	7	0	49	85	7	5	–	–	10	10	2500
13B	Stornoway ...	1013·8	-14	SW	9	r.r.	50	85	6	5	2	–	9	10	1500
15	Dalwhinnie ...	1022·6	-8	NW	5	c	45	75	7	5	6	–	4-6	10	2500
	Aberdeen ...	1020·7	-12	SW	4	bc	55	55	7	1	4	1	Tr	2-3	1500
	Wick ...	1015·5	-4	SW	7	c	49	75	8	5	9	1	4-6	7-8	1500
16	Lerwick ...	1007·5	-2	WSW	9	c	48	92	6	5	2	–	9+	10	800
17	Blacksod Point	1028·2	-4	SW	6	q	50	85	7	9	–	–	10	10	800
18	Malin Head ...	1025·8	-12	SW	5	c	51	92	7	4	7	–	4-6	7-8	800
	Aldergrove ...	1030·2	-6	SWS	5	c	47	75	8	5	–	–	9	9	1500
19	Birr Castle ...	1032·7	0	SSW	3	bc	54	65	8	5	8	–	2-3	2-3	2500
20	Valentia Obsy. †	1034·9	-2	SSW	5	c	51	75	8	8	–	–	7-8	7-8	1500
	Roches Point	1036·6	*	WSW	3	bc	50	85	9	1	–	3	2-3	4-6	4000

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1037·2	+2	SWW	2	z.	52	45	6	–	–	–	0	0	–	1	*
	Croydon ...	1037·1	+2	WSW	2	z.	52	55	6	–	–	–	0	0	–	1	*
	S. Farnborough	1037·8	+6	WS	3	b	48	65	8	–	–	–	0	0	–	1	*
	Boscombe Down	1038·5	+2	W'N	3	b	49	65	8	–	–	–	0	0	–	0	*
	Calshot (Sthmtn.)	1038·2	-2	SW	4	b	44	85	7	–	–	1	0	Tr	–	1	2
	Lympne ...	1037·9	+6	SSW	3	bc	44	92	7	–	–	6	0	2-3	–	1	§ 2
	Manston ...	1036·9	+2	SSW	2	b	49	75	6	–	–	1	0	Tr	–	1	*
2	Shoeburyness ...	1026·3	0	WSW	3	b	51	55	5	–	–	1	0	Tr	–	1	*
	Felixstowe ...	1035·4	-2	SWS	3	z.	51	55	5	–	–	1	0	Tr	–	0	2
	Gorleston ...	1034·0	-2	SWW	3	b	54	45	6	–	–	–	0	0	–	0	2
	Mildenhall ...	1035·0	+2	WSW	3	b	49	65	7	–	–	–	0	0	–	0	*
	Cranwell ...	1033·3	0	WSW	4	b	50	55	6	–	4	–	0	Tr	–	1	*
3	Birmingham ...	1034·6	-2	SW	3	b	51	45	8	–	7	–	0	1	–	1	*
	Upper Heyford	1037·3	+10	WSW	3	b	47	65	7	–	–	5	0	Tr	–	0	*
4	Ross-on-Wye	1036·7	+4	SSW	3	b	48	55	8	–	1	9	0	Tr	–	0	*
5	Bristol ...	1038·1	-2	WS	1	b	44	55	8	7	–	–	1	1	2500	1	*
	Portland Bill ...	1038·6	-6	WSW	2	bc	45	92	7	4	–	–	2-3	2-3	2500	1	2
	Plymouth ...	1039·1	-4	WS	1	z.	47	85	6	–	–	–	0	0	–	1	1
	The Lizard ...	1039·7	0	–	0	b	47	85	8	7	–	–	1	1	4000	1	1
	Scilly (St.Mary's)	1038·7	-4	SW	3	b	48	85	8	–	4	1	1	1	–	1	2
	Guernsey ...	1039·6	-2	–	0	b	45	75	7	–	–	–	0	0	–	0	0
6	Pembroke ...	1038·0	-4	SWW	4	q	46	85	8	–	7	–	0	1	–	1	3
7	Holyhead ...	1032·9	-6	SSW	6	bc	46	85	8	1	5	1	Tr	4-6	1500	1	3
	Chester(Sealand)	1035·3	0	W	3	bc	49	55	8	5	3	–	2-3	4-6	7200	0	*
8	Manchester ...	1033·6	0	SW	4	z.	47	65	5	5	–	–	2-3	2-3	4000	1	*
10	Spurn Head ...	1031·8	-4	WSW	3	bc	49	65	6	–	6	8	0	4-6	–	0	2
	Catterick ...	1030·5	-8	WSW	5	bc	45	75	8	1	3	4	Tr	2-3	2500	1	*
	Tynemouth ...	1027·9	0	WSW	3	bc	50	65	6	5	4	–	2-3	2-3	800	0	2
11	St. Abbs Head ...	1022·3	-4	WSW	8	q	46	85	8	4	4	2	2-3	4-6	4000	0	4
	Leuchars ...	1023·2	-10	WSW	6	bc	49	75	7	5	3	–	4-6	4-6	2500	1	*
12	Renfrew (Abbotsl.)	1025·3	-4	SWW	5	c/d	47	85	6	–	2	–	10	10	4000	1	*
	Eskdalemuir ...	1028·2	0	SSW	6	o	42	85	6	5	–	–	10	10	220	1	*
	Point of Ayre ...	1030·1	-10	WSW	4	c	49	75	8	5	4	6	Tr	7-8	1500	0	3
13A	Tiree	1020·2	-4	SWS	8	rr	48	97	6	–	2	–	10	10	1500	1	5
13B	Stornoway ...	1011·8	-8	SW	8	r.r.	50	85	7	5	2	–	7-8	10	800	1	5
15	Dalwhinnie ...	1022·2	-10	SSW	5	c	44	92	7	4	–	–	10	10	2500	1	*
	Aberdeen ...	1019·8	-8	SWW	5	c	49	75	7	5	4	–	Tr	7-8	1500	0	2
	Wick ...	1014·5	-4	SSW	4	c	49	75	8	5	7	–	4-6	7-8	1500	1	2
16	Lerwick ...	1008·0	+8	SW	9	c	48	85	7	5	7	–	7-8	10	1500	1	*
17	Blacksod Point	1027·8	0	SW	7	r.r.	49	92	7	6	–	–	10	10	220	1	5
18	Malin Head ...	1024·1	-2	SWW	6	c	49	97	7	8	2	–	7-8	10	800	0	5
	Aldergrove ...	1029·5	+6	SW	6	c	48	75	7	5	5	–	9	10	4000	1	*
19	Birr Castle ...	1032·2	-2	WSW	2	bc	52	55	8	5	3	–	4-6	4-6	2500	1	*
20	Valentia Obsy. †	1035·2	+6	SWS	4	c	49	75	8	5	–	–	9+	9+	1500	1	3
	Roches Point	1036·2	*	WS	3	bc	48	85	8	5	4	–	4-6	4-6	2500	1	3

PAST 24 HOURS.

Weather. 7h.–13h. 3rd. (37)	13h.–18h. 3rd. (38)	18h. 3rd. to 1h. 4th. (39)	1h.–7h. 4th. (40)
bFbz.y	bybz.y	bz.y	bm.x
bz.y	bz.by	bz.w	bz.bw
bby	byb	bx	bfxbx
c,b	byb	bwbx	bxcm.x
bm.b	b	bbw	bwbfx
bby	byb	bm.wx	bm.xF
bcbm.y	bybz.	bmw	bm.wx
bmm.y	bm.y	ybm.x	xbm.
bm.by	byz.	bz.yb	bm.bcm.
bbcby	byz.	bz.z.	bbc
bm.by	by	b	bbcx
bz.y	bz.yby	bybz.b	bbc
b	b	b	bbc
oFb	byb	b	bbcF
bbz.y	by	bby	bbcc
ebcb	by	b	bbcx
bcb	bbc	b	bcf
cb	b	bm.bcm.w	bm.wx
bcb	b	bw	bbcF
b	b	bw	bw
cbcb	b	bw	bwFF
eqbc	bcbq	bwcq	cbcc
cb	bbc	bcwb,c	c
by	bbcy	bbcy	bcc
Fbm.y	by	bz.bbc	bccm.
bc	bc	b	bbcc
bcb	bbcb	bbcc	bbcc
bc	bc	bc	bc
b	bbcq	pr.bc	bcq
cqbcq	qcbcq	bcqr.b	bbc
bc	bbcmoid	ir.d.dc	cbc
c	cpm.	or.rc	c
bcb	bbcc	c	cbcw
c	o dr.	rdcbc	cbc
cr.r.	cr.r.	cirq	cprq
c	c	irc	irc
bcy	bybc	bccbqy	bqy
c	c	cprq	cprcq
cm.	c	prphrq	cphrq
eq	ir.q	ir.q	irc
bcc	c	cir.cbc	bbcczz
cbcc	cbcc	c,d.m.	cd.m.b
bbc	bc	bco	o
cbcc	c	co	ddd.o
ebc	bc	bcbw	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., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽, lunar halo. ⸗gale.
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 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).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. „ 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.

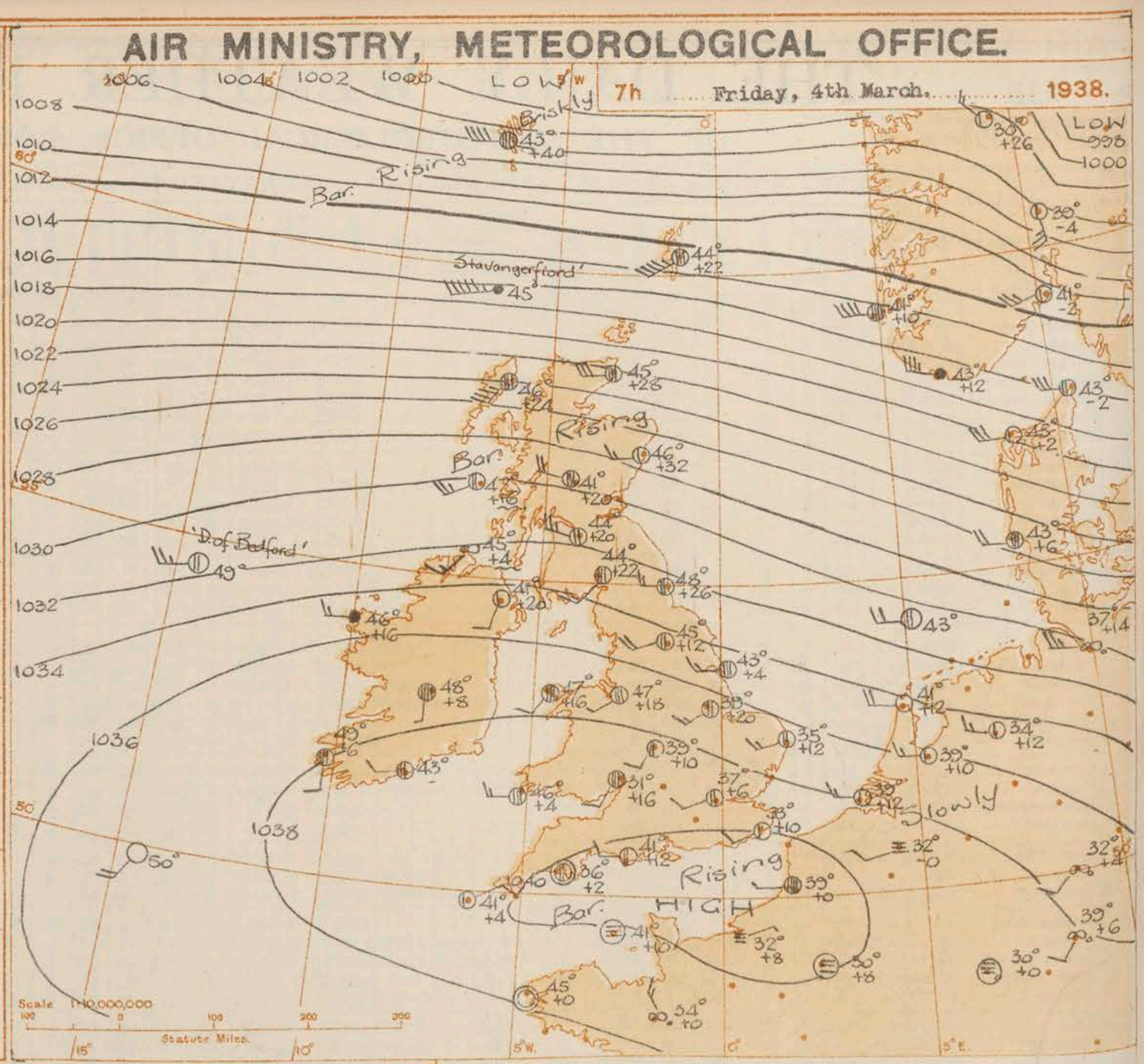
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for March 3rd. 1938.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 9h. 2nd to 9h. 3rd.	Temperature. (°F.) Max. 9h.—17h. 3rd.	Rainfall. (mm.) Night. 17h. 2nd to 9h. 3rd.	Rainfall. (mm.) Day. 9h.—17h. 3rd.	Sunshine. (Hrs.) Sunrise to 17h. 3rd.	Sunshine. (Hrs.) Sunrise to Sunset. 2nd.
1	Tunbridge W.	b	b	31	62	–	–	9·8	5·9
	Bournemouth	b	b	34	55	–	–	8·6	9·8
	Ventnor ...	xb	b	39	49	–	–	9·6	9·6
	Southsea ...	b	b	38	54	–	–	9·2	9·2
	Bognor Regis	b	b	35	50	–	–	9·4	9·3
	Littlehampton	b	b	36	49	–	–		9·5
	Worthing ...	b	b	35	51	–	–	8·1	9·5
	Brighton ...	cb	b	35	48	–	–	7·3	8·8
	Eastbourne† ...	cb	b	39	49	–	–	9·4	8·0
	Hastings† ...	b	b	36	51	–	–	10·0	7·8
	Folkestone ...	bm.b	b	36	52	–	–	9·1	5·9
	Dover ...	b	b	38	50	–	–	9·5	5·1
	Deal	b	b	36	64	–	–	9·8	5·0
	Ramsgate ...	b	b	40	63	–	–	9·7	4·8
	Margate ...	bc	bc	40	59	–	–	9·8	4·6
2	Southend ...	bz	b	35	59	Trace	–	9·3	3·8
	Clacton-on-Sea	bm	bm	35	57	–	–	9·4	4·4
	Dovercourt ...	b	bm	35	62	–	–	8·7	2·5
	Lowestoft ...	b	b	36	61	–	–	10·0	1·0
	Skegness ...	b	b	35	58	–	–	9·5	3·4
	Mablethorpe...	b	by	35	57	–	–	8·8	4·0
	Cleethorpes ...	b	by	38	59	–	–	9·3	5·1
3	Leamington S.	b	b	34	57	–	–	8·8	0·4
4	Cheltenham†	b	b	29	54	–	–	9·1	6·3
5	Bath	b	b	42	53	–	–	7·7	9·1
	Weymouth ...	b	b	35	49	–	–	8·5	9·6
	Jersey ...	cbc	bcb	37	50	–	–	7·3	10·4
	Torquay ...	wbm.b	by	32	57	–	–	10·0	9·2
	Falmouth	b	b	38	55	–	–	9·3	9·8
	Penzance ...	b	b	36	53	–	–	9·4	9·7
	St. Ives ...	b	b	44	54	–	–	9·8	9·2
	Bude... ...	cbcb	b	44	50	–	–	7·6	8·2
	Ilfracombe ...	cbcc	bcbbc	43	51	–	–	6·6	7·4
6	Aberystwyth	cbc	bc	41	49	–	–	6·5	3·0
7	Llandudno ...	b	bbc	43	55	–	–	9·4	6·9
	Colwyn Bay...	b	bbcbc	44	58	–	–	9·0	6·4
	Rhyl	b	bbc	43	53	–	–	9·4	6·3
8	Wallasey ...	b	bbc	40	56	–	–	8·9	4·0
	Southport ...	bmb	bbc	31	56	–	–	7·8	5·0
	Blackpool' ...	bm.b	b	33	51	–	–	7·9	4·0
	Morecambe ...	bcbc	bbc	37	48	–	–	6·6	3·7
9	Ilkley... ...	b	b	37	54	–	–	9·0	0·6
	Harrogate ...	b	b	40	53	–	–	9·9	0·5
10	Berwick-on-T.	b	b	41	49	–	–	8·5	2·8
11	Dunbar ...	bc	bc	43	53	–	–	8·8	2·1
12	Troon... ...	cbcbc	cbbcc	42	49	–	–	5·4	1·6
	Douglas ...	bw	bc	40	50	–	–	8·6	3·2

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



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

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Light westerly or variable winds; mainly fine; mild by day, frost locally at night.
6 South Wales ... 7 North Wales ...	Light westerly winds; fair apart from local drizzle at first; rather mild.
8 N.W. England 9 N. Midlands ...	Moderate westerly winds; local showers; becoming fair; rather mild.
10 N.E. England 11 S.E. Scotland	Moderate westerly winds; fair; mild.
12 S.W. Scotland & Isle of Man.	Fresh westerly winds; local showers; fair periods; rather mild.
13 A. W. Scotld. 13 B.N.W.Scotland. ▼ 14 Mid Scotland 15 N. E. Scotland ▼ 16 Orkney and Shetland ▼	Westerly winds; gale locally, moderating; fair periods; showers; rather mild.
17 N. W. Ireland 18 N. E. Ireland	As 8 - 9.
19 S. E. Ireland 20 S. W. Ireland	As 6 - 7.

H.M. Stationery Office Press, Kingsway, W.C.2

GENERAL INFERENCE.

An anticyclone over the English Channel is moving slowly northward. Weather will be fair and rather mild in the South and Southeast and in the North also apart from local showers, chiefly in the western areas.

FURTHER OUTLOOK.

Fair or fine in most areas.

Time of issue of Gale Warning.

▼ South Cone hoisted at 1600 on 2/3/38 in districts 13B, 16 and part of 15.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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.

Morning of

FRIDAY, 4TH MARCH.

1938.

Clarke's Projection Scale 1: 4X10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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, 4th March, 1938.

No. 27861.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	% Humid.	Visibility. 0–9	Cloud. Form. Low	Form. Med.	Form. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base. (feet)
		(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1037·8	-2	SW'W	3	b	43	75	6	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1038·4	-4	WSW	3	b	37	92	6	-	-	-	0	0	-
	Manston ...	142	1038·1	-2	SW	1	b	37	85	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1034·9	0	SW'W	3	b	39	75	6	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1038·7	-2	WSW	2	b	44	92	8	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1039·1	-8	-	0	b	44	97	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1038·8	-4	SW'S	3	b	44	97	8	7	-	-	1	1	4000
	Guernsey ..	175	1039·6	-4	SSW	1	b	40	92	7	-	-	-	0	0	-
6	Pembroke ...	142	1037·9	+2	W	4	q	46	85	8	5	-	-	9+	9+	2500
7	Holyhead ...	26	1035·1	+6	SW'S	4	c	46	85	7	5	4	8	2-3	7-8	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1032·5	+2	WSW	3	b	47	85	7	-	-	-	0	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1028·6	+10	W	4	bc	49	75	7	2.	-	-	4-6	4-6	1500
11	St. Abbs Head	280	1024·3	-4	WSW	8	q	50	92	8	4	6	-	2-3	4-6	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1031·4	+6	W'S	5	c	48	85	8	5	1	-	4-6	9	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1017·4	+32	WSW	9	c/r	45	65	7	5	-	-	7-8	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1014·8	+12	W	6	c/pr	45	85	8	8	6	-	4-6	7-8	1500
16	Lerwick ...	156	1006·5	+6	WSW	9	bc/phr	45	85	7	8	-	-	4-6	4-6	800
17	Blacksod Point	18	1032·8	+20	-	0	b	47	85	8	-	-	-	0	0	-
18	Malin Head ...	84	1028·7	+30	SW	5	bc	48	92	7	8	6	-	4-6	4-6	800
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1036·1	+6	SW	1	o	49	97	8	5	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	% Humid.	Visibility 0–9	Cloud. Form. Low.	Form. Med.	Form. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base (feet)	State of Ground. 0–9	Sea. 0–9
		(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1	London (Kew)	1039·3	+14	SW	2	z_o	34	85	6	-	4	1	0	1	-	3	*
	Croydon ...	1038·2	+6	W'S	2	bc	37	75	7	-	8	1	0	2-3	-	13	*
	S. Farnborough	1039·9	+16	WNW	3	b	31	85	8	-	-	4	0	1	-	23	*
	Boscombe Down	1040·1	+12	W'N	2	z_o	33	97	6	5	-	-	10	10	800	1	*
	Calshot (Sthmtn.)	1040·0	+14	-	0	f	29	97	2	-	-	-	0	0	-	1	*
	Lympne ...	1040·1	+10	WSW	2	b/f	33	97	6	-	-	1	0	1	-	1	1
	Manston ...	1039·4	+10	SW	1	bc	32	85	6	-	-	5	0	2-3	-	1	*
2	Shoeburyness ...	1038·5	+18	W'S	3	bc	37	75	5	-	7	-	0	2-3	-	1	*
	Felixstowe ...	1037·7	+18	SW	2	z_o	35	75	6	-	-	6	0	4-6	-	1	1
	Gorleston ...	1036·5	+12	W'S	3	bc	35	75	7	-	7	-	0	4-6	-	0	2
	Mildenhall ...	1037·8	+12	SW'S	2	z_o	32	85	6	-	-	9	0	7-8	-	1	*
	Cranwell ...	1036·8	+20	WSW	3	bc	39	92	7	-	4	-	0	4-6	-	1	*
3	Birmingham ...	1038·2	+10	SW	2	bc	39	85	8	-	-	6	0	4-6	-	1	*
	Upper Heyford	1039·7	+18	SSW	2	bc f	28	97	1	-	-	9	0	4-6	-	3	*
4	Ross-on-Wye	1039·0	+16	SW'S	2	c	31	85	8	5	-	-	9+	9+	1500	0	*
5	Bristol ...	1039·6	+8	W'S	2	bc	38	92	7	5	-	-	2-3	2-3	2500	1	*
	Portland Bill ...	1039·1	+12	W	2	bc	41	92	7	4	-	-	2-3	2-3	2500	1	2
	Plymouth ...	1040·2	+2	-	0	f	36	97	8	-	5	1	0	2-3	-	1	1
	The Lizard ...	1040·0	+2	NNE	2	if	38	97	3	4	-	-	4-6	4-6	1500	1	2
	Scilly (St. Mary's)	1039·6	+4	ENE	2	b	41	97	7	7	-	-	1	1	4000	1	2
	Guernsey ..	1039·9	+10	-	0	f	41	92	0	-	-	-	10	10	<150	3	2
6	Pembroke ...	1038·9	+4	W	3	c	46	85	8	5	2	-	7-8	10	2500	1	2
7	Holyhead ...	1037·3	+16	SW	2	c	47	85	8	5	-	-	10	10	2500	1	2
	Chester (Sealand)	1037·5	+18	WSW	1	c	47	85	8	5	2	-	7-8	9	1500	1	*
8	Manchester ...	1036·7	+14	W	3	z_o	47	85	5	5	-	-	9+	9+	2500	1	*
10	Spurn Head ...	1034·3	+4	W	3	c	43	85	6	5	4	8	2-3	7-8	1500	0	2
	Catterick ...	1033·0	+12	W'S	4	bc	45	85	8	1	-	6	Tr	4-6	1500	1	*
	Tynemouth ...	1031·9	+26	W	3	bc	48	75	7	7	3	1	2-3	4-6	2500	0	2
11	St. Abbs Head	1028·6	+40	W	8	q	47	75	8	-	3	-	0	4-6	-	0	4
	Leuchars ...	1029·1	+44	W	4	bc	45	65	7	-	-	6	0	4-6	-	1	*
12	Renfrew (Abbotsl.)	1031·0	+20	W'N	5	bc	44	85	7	5	-	-	4-6	4-6	2500	1	*
	Eskdalemuir ...	1033·4	+22	SW'S	3	c	44	75	7	5	-	2	9	9+	2500	1	*
	Point of Ayre ...	1035·0	+18	W'N	4	bc	45	97	8	5	-	1	4-6	4-6	2500	1	3
13A	Tiree	1030·2	+16	WSW	5	bc	47	85	7	5	3	-	2-3	2-3	2500	0	4
13B	Stornoway ...	1023·1	+24	SW	7	c	46	65	7	5	2	-	7-8	10	4000	1	3
15	Dalwhinnie ...	1030·0	+20	WNW	4	c	41	75	7	4	1	-	4-6	10	2500	1	*
	Aberdeen ...	1026·9	+32	W	3	b	46	65	7	-	-	9	0	1	-	0	2
	Wick ...	1021·4	+28	W	6	c	45	75	8	8	1	5	4-6	7-8	1500	1	3
16	Lerwick ...	1011·9	+22	WSW	9	c/phr	44	75	7	8	7	-	7-8	10	800	1	*
17	Blacksod Point	1035·5	+16	W	3	r	46	92	8	2	-	-	Tr	Tr	2500	1	3
18	Malin Head ...	1032·9	+4	SW'W	3	z_o	45	97	6	5	4	7	2-3	10	800	0	4
	Aldergrove ...	1035·6	+20	SSW	2	b	41	92	7	5	-	1	Tr	Tr	2500	1	*
19	Birr Castle ...	1036·4	+8	S	1	o	48	97	7	5	-	-	10	10	2500	1	*
20	Valentia Obsy. †	1038·3	+6	S	2	c/d	49	97	6	5	-	-	10	10	<150	1	3
	Roches Point	1039·2	*	W	2	bc	43	97	8	5	-	5	4-6	4-6	1500	1	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F.	Min. Night 18h–7h °F.	Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Rainfall. Night 18h–7h mm.	Sunshine 3rd. Hrs.
		(31)	(32)	(33)	(34)	(35)	(36)
1	London (Kew)	58	33	18	-	Tr	9·1
	Croydon ...	62	36	28	-	-	10·0
	S. Farnborough	58	27	18	-	Tr	9·8
	Boscombe Down	56	30	22	-	-	9·0
	Calshot (Sthmtn.)	51	29	27	-	Tr	9·8
	Lympne ...	58	33	23	-	0·2	10·1
	Manston ...	64	32	24	-	-	10·2
2	Shoeburyness ...	61	36	24	-	-	9·5
	Felixstowe ...	60	34	28	-	-	9·7
	Gorleston ...	61	34	32	-	-	8·8
	Mildenhall ...	59	29	23	-	Tr	9·5
	Cranwell ...	57	38	35	-	-	9·8
3	Birmingham ...	56	37	30	-	-	10·0
	Upper Heyford	57	27	16	-	-	*
4	Ross-on-Wye	57	29	17	-	-	10·1
5	Bristol ...	52	36	24	-	-	8·2
	Portland Bill ...	48	39	*	-	-	*
	Plymouth ...	51	35	29	-	0·1	8·8
	The Lizard ...	52	37	*	-	Tr	10·1
	Scilly (St. Mary's)	51	40	*	-	0·1	10·1
	Guernsey ..	53	35	30	-	-	9·2
6	Pembroke ...	49	44	*	-	-	7·2
7	Holyhead ...	49	44	42	-	-	7·5
	Chester (Sealand)	59	45	41	-	-	9·3
8	Manchester ...	57	37	29	-	-	7·9
10	Spurn Head ...	55	40	*	-	-	8·3
	Catterick ...	50	44	41	-	-	9·5
	Tynemouth ...	56	47	41	-	-	8·6
11	St. Abbs Head	53	44	*	-	Tr	*
	Leuchars ...	50	45	40	-	Tr	5·1
12	Renfrew (Abbotsl.)	50	44	41	Tr	1	4·2
	Eskdalemuir ...	45	41	41	-	0·1	1·6
	Point of Ayre ...	54	45	*	-	-	7·4
13A	Tiree	49	46	45	0·3	0·3	0·0
13B	Stornoway ...	51	42	*	1	1	0·0
15	Dalwhinnie ...	46	34	35	Tr	3	0·8
	Aberdeen ...	56	46	38	-	-	7·4
	Wick ...	57	41	*	-	0·3	*
16	Lerwick ...	54	35	*	-	4	0·0
17	Blacksod Point	52	40	*	0·6	0·1	*
18	Malin Head ...	52	44	*	-	0·4	2·0
	Aldergrove ...	52	41	35	-	Tr	4·4
19	Birr Castle ...	56	47	*	-	-	4·0
20	Valentia Obsy. †	52	49	47	-	0·4	3·6
	Roches Point	51	42	*	-	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. min.	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	bf bz$_o$ y	by bz$_o$ y	bz$_o$ y	58	33	18	-	Tr	9·1	*	*	5
Croydon	217	bz$_o$ y	bz$_o$ by	bz$_o$ w	62	36	28	-	-	10·0	*	*	6
Greenwich (Royal Observatory)...	149	by	by	bz	61	36	27	-	-	9·6	29	69	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	8·8	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	61	34	29	-	-	8·5	36	75	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	60	35	28	-	-	7·7	38	73	*
Camden Square	110	b	b	*	61	35	26	-	-	*	*	75	*
Kensington	80	b	bczx	*	61	35	24	-	-	8·5	At 18h 49	74	*
Hampstead Observatory	450	bc	bc	bm	59	33	25	-	-	8·0	*	86	*

FOREIGN OBSERVATIONS.

Stations	18h G.M.T. 3rd March. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.	7h. G.M.T. 4th March. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.
Paris	1038·7	-	0	bc	55	1040·1	-	0	f	30
Brussels	1037·2	WSW	3	b	48	1037·5	WSW	2	f	32
Berlin	1027·3	WNW	4	c	48	1029·7	WNW	4	bc	41
Zurich	1037·9	SSE	1	c	46	1038·3	ESE	1	z_o	36
Rome	1025·4	NW	5	bc	59					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
63	27	-	-
57	30	-	-
50	39	0·4	-
57	36	-	-
*	*	-	

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	18-21h. 3rd.	<0·3	2-4h. 4th.

Kew Observatory. Max.	Time.	Min.	Time.
0·4	19h. 3rd.	<0·1	6h. 4th.

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

George C. Simpson, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 5th March, 1938.

No. 27862.

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

District	Stations. (For heights see p. 4.)	Sunshine 3rd. Hrs.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	°F. Temp.	% Humid.	Visibility 0–9	Cloud. Form. Low	Form. Med.	Form. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base (feet)
		(36)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	London (Kew)	9·1	1040·3	−2	W'S	2	z.	53	65	6	–	–	1	0	2-3	–
	Croydon ...	10·0	1040·0	−6	W'N	1	z.	57	75	6	–	–	1	0	2-3	–
	S. Farnborough	9·8	1040·5	−6	WSW	1	b	59	55	8	–	–	1	0	1	–
	Boscombe Down	9·0	1040·6	−6	NNW	2	bc	53	65	8	–	–	5	0	2-3	–
	Calshot (Sthmtn.)	10·1	1040·8	−4	S'W	2	z.	48	75	6	–	5	5	0	4-6	–
	Lympne ...	10·2	1040·4	−6	NNW	1	b	54	65	6	–	–	2	0	1	–
	Manston ...		1040·1	+2	W'N	2	bc	52	65	6	–	–	8	0	4-6	–
2	Shoeburyness ...	9·5	1039·7	+2	WSW	3	bc	57	55	5	–	–	1	0	2-3	–
	Felixstowe ...	9·7	1039·5	+2	WSW	1	bc	55	65	7	–	–	8	0	4-6	–
	Gorleston ...	8·8	1038·5	+8	WNW	2	bc	53	65	6	–	7	2	0	4-6	–
	Mildenhall ...	9·5	1039·3	+2	W'N	3	c	54	65	7	–	–	2	0	9	–
	Cranwell ...	9·8	1038·6	+2	W'N	4	z.	53	75	6	–	7	–	0	9+	–
3	Birmingham ...	10·0	1039·5	+2	WNW	2	c	52	75	6	–	1	–	0	9	–
	Upper Heyford	*	1040·2	−6	W'N	2	c	55	75	8	1	–	2	2-3	9	4000
4	Roes-on-Wye	10·1	1039·6	−4	W	2	bc	57	65	8	1	–	2	Tr	4-6	2500
5	Bristol ...	8·2	1040·8	−2	WSW	2	bc	54	75	8	–	–	8	0	4-6	–
	Portland Bill ...	*	1040·6	+8	WSW	2	b	47	85	8	–	–	–	0	0	–
	Plymouth ...	8·8	1041·4	0	S	3	b	50	75	8	–	–	–	0	0	–
	The Lizard ...	10·1	1041·6	0	EN	2	c	45	97	3	5	–	–	7-8	7-8	800
	Scilly (St.Mary's)	10·1	1040·8	−6	SE'E	3	bf	47	97	2	–	–	–	0	0	–
	Guernsey ...	9·2	1040	−2	–	0	bjf	50	85	6	–	–	–	0	0	–
6	Pembroke ...	7·2	1042·2	0	SWW	1	bc	50	85	8	5	7	9	1	4-6	4000
7	Holyhead ...	7·5	1039·8	+10	WSW	3	c	53	75	8	7	3	8	2-3	9+	2500
	Chester (Sealand)	9·3	1040·1	+6	SW	2	c	53	75	8	5	–	–	9	9	1500
8	Manchester ...	7·9	1039·4	+2	W'N	3	c	52	75	7	7	3	9	4-6	7-8	2500
10	Spurn Head ...	8·3	1037·7	+6	WNW	4	bc	51	75	6	–	3	5	0	4-6	–
	Catterick ...	9·5	1036·8	+10	WNW	4	c	55	55	8	1	–	9	Tr	7-8	2500
	Tynemouth ...	8·6	1035·4	+20	W	6	bc	52	65	6	5	–	2	4-6	4-6	800
11	St. Abbs Head .	*	1032·6	+6	W	6	bc	52	65	7	–	1	1	0	4-6	7200
	Leuchars ...	5·1	1032·4	−2	SW	5	bc	54	55	7	1	–	6	2-3	4-6	4000
12	Renfrew (Abbotsl.)	4·2	1035·3	+20	W'S	4	bc	53	65	7	7	–	1	4-6	4-6	2500
	Eskdalemuir ...	1·6	1036·7	+8	SW'S	5	bc	48	65	7	7	–	6	4-6	4-6	2500
	Point of Ayre ...	7·4	1038·6	+10	WSW	3	bc	55	75	8	5	–	6	Tr	2-3	1500
13A	Tiree	0·0	1032·7	+6	SW'W	5	b	51	85	6	–	–	5	0	1	–
13B	Stornoway ...	0·0	1026·4	+10	WSW	8	c	50	75	7	5	1	–	9	10	4000
15	Dalwhinnie ...	0·8	1031·1	+20	NW	4	c	47	65	8	8	6	–	4-6	7-8	2500
	Aberdeen ...	7·4	1029·6	+10	W	5	bc	56	45	6	2	–	9	1	4-6	2500
	Wick ...	*	1024·1	+20	W	8	c	53	65	7	8	7	1	4-6	7-8	1500
16	Lerwick ...	0·0	1015·5	+40	WSW	8	c/r	47	85	7	8	7	7	7-8	10	800
17	Blacksod Point	*	1037·8	+12	WSW	3	bc	52	75	8	2	–	4	2-3	4-6	2500
18	Malin Head ...	2·0	1035·9	+8	W	5	z.	51	92	6	–	–	1	0	2-3	–
	Aldergrove ...	4·4	1037·4	+2	SW'W	4	bc	53	65	7	5	–	1	1	4-6	2500
19	Birr Castle ...	4·0	1039·0	+2	SSW	1	c	55	85	8	5	–	–	9+	9+	1500
20	Valentia Obsy. †	3·6	1039·7	−2	S	3	c	51	85	8	5	–	–	9+	9+	1500
	Roches Point	*	1040·7	*	SW	3	c	50	92	8	5	1	*	7-8	10	1500

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	°F. Temp.	% Humid.	Visibility 0–9	Cloud. Form. Low	Form. Med.	Form. High	Amount. Low 0–10	Amount. Total 0–10	Height of Base (feet)	State of Ground. 0–9	Sea. 0–9
		(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1	London (Kew)	1040·0	+2	WSW	2	z.	54	75	5	–	–	2	0	4-6	–	0	*
	Croydon ...	1039·8	+2	–	0	m	53	85	4	–	–	1	0	2-3	–	1	*
	S. Farnborough	1040·1	+6	–	0	fg	55	65	8	–	–	1	0	4-6	–	0	*
	Boscombe Down	1040·1	−2	–	0	b	54	75	7	–	–	5	0	1	–	0	*
	Calshot (Sthmtn.)	1040·2	−2	SW	2	z.	46	85	6	–	–	1	0	1	–	1	1
	Lympne ...	1041·1	+6	SSW	2	z.	42	85	6	–	–	4	0	2-3	–	1	§ 1
	Manston ...	1040·1	+2	SSE	2	z.	45	85	6	–	–	8	0	4-6	–	1	*
2	Shoeburyness ...	1039·8	+2	ESE	1	m	44	85	4	–	–	2	0	4-6	–	1	*
	Felixstowe ...	1040·0	+4	S'W	1	z.	48	85	5	4	4	2	1	4-6	4000	0	1
	Gorleston ...	1039·6	+4	–	0	c	49	75	5	–	7	–	0	7-8	–	0	2
	Mildenhall ...	1039·6	+4	W	2	z.	49	85	6	–	–	2	0	4-6	–	0	*
	Cranwell ...	1039·4	+10	W'N	2	z.	50	75	5	–	4	6	0	9+	–	1	*
3	Birmingham ...	1039·6	+2	WNW	1	m	52	75	4	5	–	2	7-8	9+	2500	1	*
	Upper Heyford	1040·3	+2	NW	2	c	52	75	7	5	–	2	Tr	7-8	5700	0	*
4	Roes-on-Wye	1039·6	+4	N	1	bc	53	75	9	5	–	2	Tr	4-6	2500	0	*
5	Bristol ...	1040·3	0	WSW	1	z.	51	75	6	5	–	8	2-3	4-6	2500	1	*
	Portland Bill ...	1040·0	−4	WNW	2	bc	44	92	7	4	–	–	2-3	2-3	2500	1	2
	Plymouth ...	1040·5	−2	SSW	1	z.	46	85	6	–	–	5	0	Tr	–	1	1
	The Lizard ...	1040·3	−4	ENE	1	if	43	97	4	4	–	–	4-6	4-6	1500	1	1
	Scilly (St.Mary's)	1040·1	−4	SE'S	3	F	44	97	1	–	–	–	0	0	–	1	2
	Guernsey ...	1040·3	−4	–	0	bjf	45	92	7	–	1	–	0	Tr	–	0	0
6	Pembroke ...	1039·7	−4	WSW	1	b	46	85	8	–	7	–	0	1	–	1	1
7	Holyhead ...	1039·4	−2	SSW	3	c	46	92	7	5	–	6	4-6	9+	2500	1	2
	Chester (Sealand)	1039·9	+2	NW	3	z.	48	85	6	5	–	–	9+	9+	4000	0	*
8	Manchester ...	1039·7	+2	WNW	2	z.	47	92	5	5	9	9	4-6	7-8	2500		*
10	Spurn Head ...	1038·4	+6	W	3	c	47	85	6	–	4	7	0	10	–	0	2
	Catterick ...	1037·7	+10	W'S	2	bc	47	75	8	–	5	2	0	4-6	–	0	*
	Tynemouth ...	1036·0	0	W	4	bc	51	65	6	5	–	2	4-6	4-6	1500	0	1
11	St. Abbs Head .	1032·8	+8	WSW	5	bc	49	75	7	–	5	2	0	4-6	–	0	3
	Leuchars ...	1034·0	+10	WSW	4	bc	48	75	7	–	–	2	0	4-6	–	0	*
12	Renfrew (Abbotsl.)	1036·2	+6	WSW	2	bc	48	75	7	4	–	4	1	2-3	2500	1	*
	Eskdalemuir ...	1037·3	+10	SSW	3	bc	43	85	7	5	–	2	1	4-6	1500	1	*
	Point of Ayre ...	1038·3	−2	W'S	3	c	49	85	8	–	4	2	0	7-8	–	0	2
13A	Tiree	1033·1	+2	SW'W	6	bc	48	85	6	–	–	6	0	4-6	–	0	3
13B	Stornoway ...	1028·0	+4	WSW	6	c	49	85	6	5	5	9	2-3	9+	4000	0	4
15	Dalwhinnie ...	1033·3	+4	NW	5	c	45	75	7	4	–	–	10	10	2500	0	*
	Aberdeen ...	1031·3	+12	W	3	c	53	65	7	5	4	9	Tr	7-8	4000	0	1
	Wick ...	1027·0	+10	W	6	c	49	75	7	5	4	1	7-8	9	1500	1	2
16	Lerwick ...	1018·8	+10	W	7	c	48	92	7	8	2	–	7-8	10	800	1	*
17	Blacksod Point	1036·4	−6	SSW	3	bc	48	85	7	–	4	4	0	4-6	–	0	3
18	Malin Head ...	1036·0	−2	SW	1	z.	48	92	6	4	–	4	2-3	4-6	1500	0	5
	Aldergrove ...	1037·4	+2	S'E	2	bc	49	75	7	–	–	1	0	2-3	–	1	*
19	Birr Castle ...	1038·3	−2	W	1	c	53	85	8	5	–	–	10	10	2500	1	*
20	Valentia Obsy. †	1037·7	−10	S'E	3	bc	49	85	8	1	3	2	Tr	4-6	2500	1	3
	Roches Point	1039·5	*	SW	2	c	47	85	8	5	4	–	4-6	7-8	1500	1	2

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.–13h. 4th	13h.–18h. 4th	18h. 4th to 1h. 5th	1h.–7h. 5th
		(37)	(38)	(39)	(40)
1	London (Kew)	bz.	bz.bcz.	bc bff	Fe
	Croydon ...	bcz.	bz.	bmfw	bwf
	S. Farnborough	bm.by	byb c	bbfffx	bfffxo
	Boscombe Down	cxm.cb	byb	bm bf	bfox
	Calshot (Sthmtn.)	bwfb bcm.	bcm.bm.	bwbff	bftoFFe
	Lympne ...	bjf bz.	bz.	bm.wx	bFwx
	Manston ...	bxbczoy	bcyz.	bcbm.w	bmwxff
2	Shoeburyness ...	bcz. by	bz.ybcz	bcffx	FFx
	Felixstowe ...	bcm.bc	bbcm.	bcm.bm	bxoFe
	Gorleston ...	bcz.	bccz.	bz.z.	boffe
	Mildenhall ...	cm.cz.c	cbcz.	bz.bffe	oFFxbcf
	Cranwell ...	bccm.	bcz.cz.	cz.bFe	Febm
3	Birmingham ...	bcc	c	cbmf	fFe
	Upper Heyford	cfxc	c	cbof	ofFe
4	Roes-on-Wye	cbc	bc	bcbmw	bfwFe
5	Bristol ...	bcbbc	bcyz.	bcybm	bbcmFe
	Portland Bill ...	bcb	bbc	bbz.	bff
	Plymouth ...	bm.fbcb	bz.m.	bmwx	ffbbmx
	The Lizard ...	bcff	ff if	bcFf	iffe
	Scilly (St.Mary's)	bFeF	bffFe	bFFe	Febbc
	Guernsey ...	fbcb	bjf	bjf	bw
6	Pembroke ...	cbc	bcb	Feb	bFe Fe
7	Holyhead ...	cbc,c	c	ffemo	oifbc
	Chester (Sealand)	cm.	cbcm.	cbcm.bw	bwoFFe
8	Manchester ...	bcm.bc	cb cc	of	ofe
10	Spurn Head ...	cz.	cz.	cbz.	FFcw
	Catterick ...	bcc	bc	bcbw	bwbcw
	Tynemouth ...	bcq	bcq	bc	bcbbc
11	St. Abbs Head .	b	bc	b	bc
	Leuchars ...	bcyq	bcqybc	bcb	bbccw
12	Renfrew (Abbotsl.)	bc	bc	bcbm.w	cbbm.w
	Eskdalemuir ...	cbc	bc	bccw	cwdf
	Point of Ayre ...	bc	bcc	cbcw	bbccw
13A	Tiree	b	bbc	bcb	bccrd
13B	Stornoway ...	c	c	cbc	bccpc
15	Dalwhinnie ...	c	bcc	*	c
	Aberdeen ...	bcz.y	cybc	bcqb	bcb
	Wick ...	bcca	cq	cbc	bc
16	Lerwick ...	cphr	Vc	c	bcc
17	Blacksod Point	bc	bc	bc	cq
18	Malin Head ...	bcz.	z.	bcbbc	bcc
	Aldergrove ...	bbc	bcbbc	bcc	cwc
19	Birr Castle ...	qc	c	cb	bbc
20	Valentia Obsy. †	ddd.d.c	cbc	bcbbc	bcc
	Roches Point	cld.c	c	c	coffe

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).
⊕, Solar halo. ⓛ lunar halo. ⁄ gale.
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.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. „ 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.

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.*

† See disturbance reported from Dungeness.

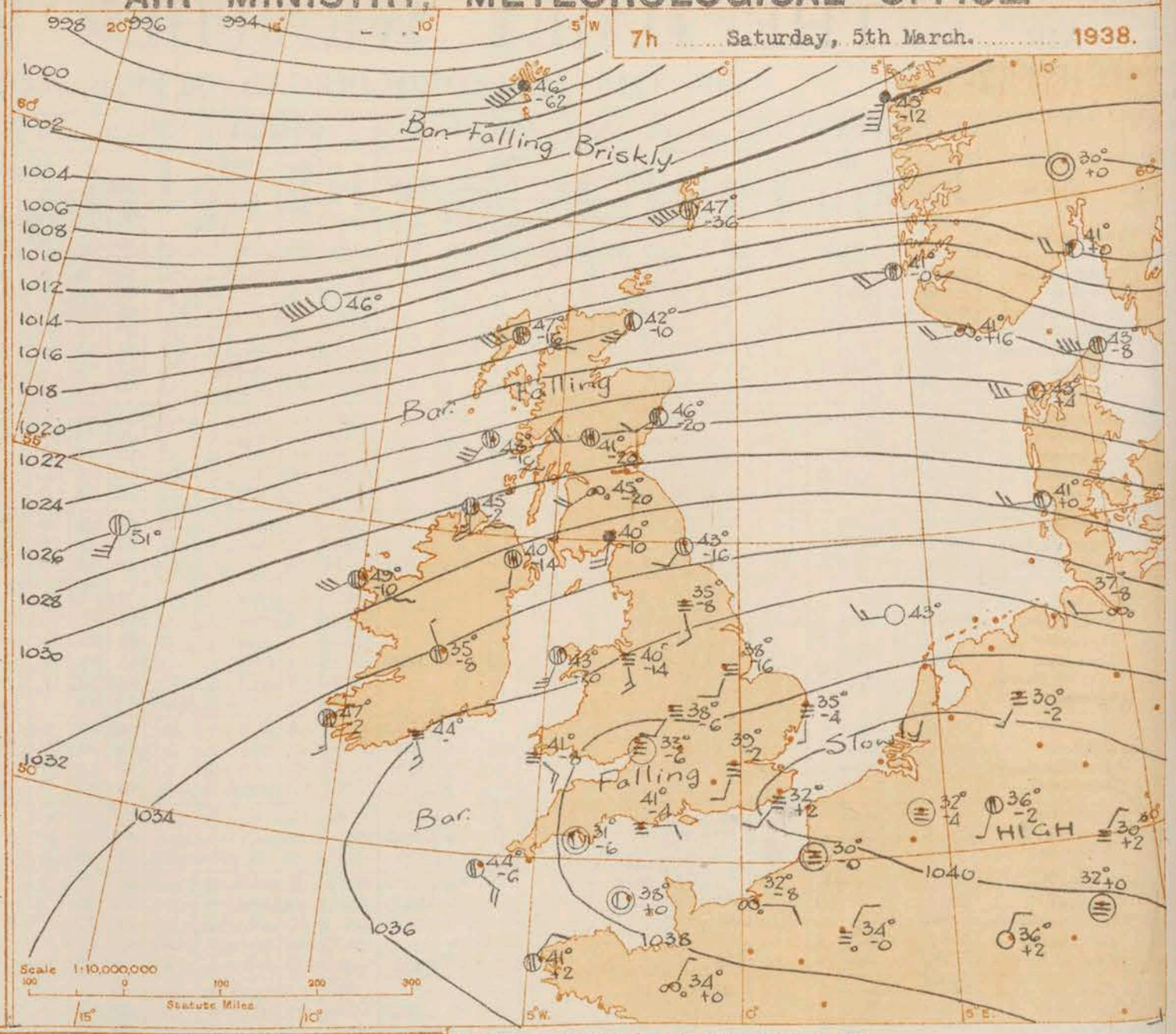
REPORTS from HEALTH RESORTS for 4th March 1938.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 9h. 3rd to 9h. 4th	Temperature. (°F.) Max. 9h.—17h. 4th	Rainfall. (mm.) Night. 17h. 3rd to 9h. 4th	Rainfall. (mm.) Day. 9h.—17h. 4th	Sunshine. (Hrs.) Sunrise to 17h. 4th	Sunshine. (Hrs.) Sunrise to Sunset. 3rd
1	Tunbridge W.	b	b	27	61	–	–	10·0	10·0
	Bournemouth	b	b	30	57	–	–	9·0	9·0
	Ventnor ...	xb	bz	37	52	–	–	9·9	9·9
	Southsea ...	bmb	b	33	57	–	–	7·9	9·4
	Bognor Regis	b	b	34	43	0·3	–	8·6	9·4
	Littlehampton	b	b	32	49	–	–	7·8	
	Worthing ...	b	b	32	52	Trace	–	8·2	8·5
	Brighton ...	cb	b	32	48	–	–	7·1	7·6
	Eastbourne† ...	b	b	34	55	–	–	9·6	9·4
	Hastings† ...	b	b	34	51	Trace	–	9·0	10·0
	Folkestone ...	bm.b	bm.	32	50	–	–	8·9	9·1
	Dover ...	b	b	36	47	–	–	9·0	9·5
	Deal	bcb	b	36	55	–	–	9·3	9·9
	Ramsgate ...	bc	bc	39	55	–	–	8·9	9·7
	Margate ...	bc	bc	37	53			9·0	9·8
2	Southend ...	bz	bf	35	58	Trace	–	8·0	9·3
	Clacton-on-Sea	bcbz	bbcz	33	54	–	–	9·6	9·4
	Dovercourt ...	xbc	bc	34	58	–	–	9·0	8·8
	Lowestoft ...	bcb	bbcm.	32	58	–	–	7·8	10·3
	Skegness ...	cbc	bcm.	34	56	–	–	5·3	9·5
	Mablethorpe...	bcb	bbc	36	55	–	–	5·7	8·8
	Cleethorpes ...	cbc	bc	38	56	–	–	5·7	9·6
3	Leamington S.	bc	bcc	31	56	–	–	1·4	8·8
4	Cheltenham†	cbc	bbcq	32	59	–	–	5·0	9·5
5	Bath	b	b	30	59	–	–	9·3	8·3
	Weymouth ...	b	b	33	52	–	–	9·3	9·3
	Jersey ...	fb	b	34	55	–	–	9·7	7·8
	Torquay ...	wbmb	b	30	50	–	–	9·8	10·2
	Falmouth	fewcm	fcbcb	34	48	–	–	6·2	10·1
	Penzance ...	bfbf	fbmb	36	46	–	–	4·1	10·0
	St. Ives ...	b	b	42	52	–	–	9·4	9·8
	Bude... ...	cbc	bcb	31	50	–	–	6·9	8·1
	Ilfracombe ...	bcbbc	bcbbc	41	51	–	–	7·5	7·1
6	Aberystwyth	c	c	41	49	–	–	0·0	6·7
7	Llandudno ...	c	cbc	45	52	–	–	1·4	9·5
	Colwyn Bay...	c	cbc	45	54	–	–	0·7	9·1
	Rhyl	c	cbcc	44	52	–	–	0·5	9·5
8	Wallasey ...	cbc	cbcc	43	52	–	–	2·6	8·9
	Southport ...	cbcb	bbc	36	53	–	–	5·7	7·8
	Blackpool ...	bm.bc	bm.cm	44	51	–	–	7·3	7·9
	Morecambe ...	b	bcmc	43	48	–	–	5·5	6·6
9	Ilkley... ...	bbc	b	43	55	–	–	7·8	9·3
	Harrogate ...	bcb	bbc	41	55	–	–	8·2	9·9
10	Berwick-on-T.	b	bcc	43	55	–	–	8·5	8·5
11	Dunbar ...	bcm.	bc	45	54	–	–	7·9	8·8
12	Troon... ...	bcbbc	cbbcb	43	48	–	–	3·2	5·4
	Douglas ...	bcw	b	44	54	–	–	7·9	8·6

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Saturday, 5th March, 1938.



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. 5th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light variable or westerly winds; mainly fine, morning fog; mild by day, frost locally at night.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Moderate or fresh westerly winds; mainly fair; rather mild.
10 N.E. England 11 S.E. Scotland ✝	Fresh or strong westerly winds; fair; rather mild.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld ✝ / B.N.W.Scotland ✝ 14 Mid Scotland 15 N. E. Scotland ✝ 16 Orkney and Shetland ✝	Westerly winds, strong to gale; cloudy; local rain; rather mild.
17 N. W. Ireland 18 N. E. Ireland ✝	As 10 - 11.
19 S. E. Ireland 20 S. W. Ireland	As 1 - 6.

GENERAL INFERENCE.

A large anticyclone centred over Belgium covers most of the British Isles. Weather will be rather unsettled in the North but fair to fine elsewhere apart from morning fog. Temperatures will continue above average.

FURTHER OUTLOOK.

Rather unsettled and stormy in the North; mainly fine elsewhere.

TIMES OF ISSUE OF GALE WARNINGS.

✝ South Cone hoisted at 1600 on 2nd in districts 13B, 16, and part of 15.
✝ South Cone hoisted at 0915 on 5th in districts 11, 13A, 18 and remainder of 15.

Forecasts issued at 1015 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2.

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.

Morning of

SATURDAY, 5TH MARCH.

1938.

Lambert's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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, 5th March, 1938.
No. 27862.

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

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	1040·3	-2	SE	1	bf	42	97	3	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Stbmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1041·2	-6	SSE	1	bF+	37	97	1	-	-	-	0	0	-
	Manston ...	142	1040·3	-6	S	1	z_o	38	92	6	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1040·0	0	WSW	2	b	43	75	5	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1039·1	-10	NE	2	b	43	85	6	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1039·3	-6	NE'E	4	f_s	40	97	3	7	-	-	2·3	2·3	2500
	Scilly (St. Mary's)	163	1038·4	-10	SE'E	4	bF	42	97	1	-	-	-	0	0	-
	Guernsey ...	175	1039·2	-6	-	0	b	40	97	6	-	-	-	0	0	-
6	Pembroke ...	142	1039·5	-2	NNE	1	bF	37	97	1	-	-	-	0	0	-
7	Holyhead ...	26	1038·4	-14	SSW	3	$\equiv$/f	44	97	4	5	-	-	10	10	<150
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1038·3	-4	W	3	b	43	92	5	-	-	-	0	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1036·8	0	SW	2	bc	42	75	6	5	-	-	2·3	2·3	800
11	St. Abbs Head ...	280	1034·1	-4	WSW	4	b	41	85	8	-	3	-	0	Tr	-
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1037·3	-8	SW'S	3	bc	44	97	7	4	-	-	2·3	2·3	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1026·3	-16	SW	7	bc	46	85	8	5	4	-	4·6	4·6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1027·0	+4	SW	6	bc	47	85	7	5	7	-	2·3	4·6	1500
16	Lerwick ...	156	1019·6	+4	WSW	8	c	47	92	7	5	2	-	7·8	10	800
17	Blacksod Point	18	1033·8	-8	S	5	bc	47	85	8	4	-	-	2·3	2·3	1500
18	Malin Head ...	84	1034·0	-8	S	2	c	46	97	7	4	3	-	4·6	9	800
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21	Valentia Obsy. †	30	1036·1	-6	S'E	1	b	45	92	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1038·9	-2	-	0	F	36	97	1	-	-	-	10	10	<150	1	*
1039·0	-2	S'W	2	if	39	97	1	-	-	1	0	2·3	-	1	*
1039·0	-4	SSE	1	F	27	97	1	-	-	-	10	10	<150	3	*
1039·5	0	-	0	f	27	97	2	-	-	-	10	10	<150	3	*
1039·0	-4	E'S	1	F	37	97	1	-	-	-	10	10	<150	1	0
1040·4	+2	SW'S	2	if	32	97	3	-	-	8	0	1	-	1	S
1039·3	-2	S	1	bcf	35	97	3	-	-	4	0	2·3	-	1	*
1039·3	-2	-	0	F	30	97	0	-	-	-	10	10	<150	3	*
1039·2	0	-	0	F+	35	97	0	-	-	-	10	10	<150	1	1
1038·8	-4	S	1	F	35	97	1	-	-	-	10	10	<150	0	2
1038·5	-4	S	2	bcf	28	97	1	-	-	1	0	2·3	-	3	*
1037·0	-16	SW'S	2	m	38	97	4	-	4	5	0	2·3	-	1	*
1037·8	-6	SSW	2	F	38	97	1	-	-	-	10	10	<150	1	*
1039·0	-6	WSW	1	F	33	97	1	-	-	-	10	10	<150	1	*
1038·0	-6	-	0	F	33	97	1	-	-	-	10	10	<150	1	*
1038·9	-2	-	0	F	29	92	1	-	-	-	10	10	<150	1	*
1038·3	-4	E	2	of	41	92	2	5	-	-	10	10	<150	1	2
1038·7	-6	-	0	f	31	97	8	-	4	1	0	-	-	1	0
1037·8	-6	ENE	3	bcf+	40	97	2	5	6	-	2·3	4·6	1500	1	1
1037·0	-6	SE'S	4	bc	44	97	7	5	4	2	1	4·6	4000	1	2
1038·1	0	-	0	b	38	92	8	1	4	-	0	1	-	3	1
1037·3	-8	SE	3	F	41	97	1	-	-	-	10	10	<150	1	2
1035·2	-20	SW'S	5	fc	43	92	9	5	-	8	2·3	7·8	800	1	3
1036·1	-14	SSE	3	F	40	97	1	-	-	-	10	10	<150	1	*
1036·7	-8	S'W	2	f	41	97	2	-	-	-	10	10	<150	1	*
1030·4	-20	WSW	2	c	44	97	8	4	3	2	4·6	7·8	2500	0	1
1029·2	-22	SW	4	c	46	85	7	5	7	-	4·6	7·8	2500	1	*
1030·5	-20	WSW	4	z_o	45	97	5	5	-	-	10	10	450	1	*
1033·0	-10	SSW	4	df	40	97	2	5	-	-	10	10	<150	1	*
1033·9	-6	S'W	2	c	40	85	8	5	-	9	1	7·8	4000	1	1
1027·8	-10	SW	6	c	48	85	7	5	-	-	9+	9+	1500	1	4
1021·2	-16	WSW	7	c/pr	47	85	7	5	2	-	4·6	10	1500	1	4
1027·6	-20	W	4	c	41	85	7	4	1	-	4·6	10	2500	0	*
1025·2	-20	SWW	2	c	46	65	7	1	4	2	Tr	7·8	2500	0	1
1022·2	-10	SW	5	bc	42	85	8	5	5	-	2·3	4·6	2500	1	2
1014·1	-36	WSW	9	c	47	85	7	8	7	-	7·8	9	800	1	*
1031·7	-10	WSW	6	u	49	92	7	9	-	-	10	10	800	0	4
1030·1	-2	S	5	c	45	97	7	5	5	-	4·6	7·8	800	0	5
1033·1	-14	S'W	3	c	40	92	7	5	-	1	7·8	7	4000	1	*
1034·2	-8	NNW	1	bc	35	92	8	-	3	-	0	2·3	-	1	*
1034·5	-2	S'E	3	c	47	85	8	5	-	-	9+	9+	1500	1	3
1036·0	*	S'E	3	of	44	97	2	5	-	-	10	10	<150	1	2

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F.	Min. Night 18h–7h °F	Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Rainfall. Night 18h–7h mm.	Sunshine Hrs.
58	34	30	-	Tr	9·8
61	38	31	-	-	9·7
62	25	22	-	Tr	9·9
59	26	25	Tr	Tr	9·1
53	34	30	-	0·1	8·1
56	31	29	-	-	9·8
55	34	27	-	-	9·1
58	29	25	-	-	7·6
57	33	27	-	Tr	8·5
56	34	33	-	-	6·5
56	28	27	-	Tr	5·0
56	37	32	-	0·1	1·4
54	37	28	-	-	0·7
60	32	28	-	-	*
61	33	29	-	0·1	6·5
57	29	27	-	-	9·4
48	40	*	-	Tr	*
51	31	27	Tr	Tr	9·0
47	37	*	-	0·4	6·0
47	41	*	Tr	0·3	3·8
53	34	26	-	-	9·2
50 45	35	*	-	0·1	8·4
54	42	41	-	Tr	2·7
55	37	31	-	Tr	1·4
52	33	30	-	-	1·5
52	37	*	-	Tr	5·2
57	35	32	-	-	7·6
53	41	*	-	-	*
55	41	33	-	-	7·7
54	38	29	-	-	6·4
51	38	32	-	0·2	3·8
56	38	*	-	-	8·2
51	45	44	-	1	6·7
51	48	*	-	Tr	1·0
50	39	32	-	-	5·1
57	41	32	-	-	4·8
54	42	*	-	-	*
52	45	*	4	-	0·5
53	43	*	-	-	*
55	40	37	-	-	8·8
55	34	*	-	-	0·9
53	42	34	0·2	-	3·1
50	41	*	Tr	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew	18	bz_o	$bz_o bcz_o$	bcbff	58	34	30	-	Tr	9·8	*	*	1
Croydon	217	bcz_o	bz_o	bmfw	61	38	31	-	-	9·7	*	*	3
Greenwich (Royal Observatory) ...	149	bz	bz	bfFx	59	35	27	-	Tr	8·5	56	98	1
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	8·1	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	60	37	33	-	-	8·6	59	57	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	59	36	29	-	-	8·3	64	91	*
Camden Square	110	b	b	*	61	38	27	-	-	*	*	98	*
Kensington	80	bc	bcz	*	60	38	29	-	-	9·0	At 18h. 69	98	*
Hampstead Observatory	450	bm	bc	bcm	60	39	31	-	-	9·3	*	100	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
1·0	21-24h. 4th	0·3	14-15h 4th.

Kew Observatory. Max.	Time.	Min.	Time.
1·0	1h. 5th	0·1	14h 4th.

FOREIGN OBSERVATIONS.

18h. G.M.T. 4th March

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1039·7	NNE	2	b	54
Brussels	1039·8	N	2	b	48
Berlin	1033·7	W'S	3	bc	46
Zurich	1037·8	SE	1	z_o	50
Rome					

7h. G.M.T. 5th March

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1039·1	NNE	2	m	34
1040·1	-	0	F	32
1036·4	W	4	z_o	39
1038·3	SE	1	z_o	32
1028·1	*	*	c	50

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
61	32	-	-
55	30	-	-
50	39	-	-
61	32	-	-
*	*		-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30 — Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† Hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page I.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 6th March, 1938.

No. 27863.

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

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)	Sunshine 4th Hrs. (36)
1	London (Kew)	1037·3	−12	WSW	3	z.	55	65	6	–	–	1	0	2–3	–	9·8
	Croydon ...	1036·9	−14	SW'S	3	b	59	65	6	–	3	3	0	1	–	9·7
	S. Farnborough	1037·2	−16	SW'S	3	b	59	45	8	–	4	1	0	Tr	–	9·9
	Boscombe Down	1037·7	−16	S	3	bc	51	55	7	–	–	4	0	2–3	–	9·1
	Calshot (Sthmtn.)	1038·2	−10	SE'S	1	F	41	97	1	5	–	–	10	10	⟨150	8·1
	Lympne ...	1038·4	−14	SW'S	2	z.	54	75	6	–	–	4	0	4–6	–	9·8
	Manston ...	1037·5	−10	SW	3	z.	57	65	6	–	–	6	0	4–6	–	9·1
2	Shoeburyness ...	1037·3	−12	SW'S	2	bc	56	65	6	–	–	2	0	2–3	–	7·6
	Felixstowe ...	1037·4	−12	S	3	z.	60	75	5	–	–	2	0	2–3	–	8·5
	Gorleston ...	1035·6	−20	SW'S	3	c	55	75	6	–	4	–	0	7–8	–	6·5
	Mildenhall ...	1036·4	−12	WSW	3	z.	58	66	5	–	–	1	0	1	–	5·0
	Cranwell ...	1035·1	−12	SW'W	4	z.	57	45	5	–	5	6	0	2–3	–	1·4
3	Birmingham ...	1035·8	0	W	3	bc	56	45	6	–	–	1	0	2–3	–	0·7
	Upper Heyford	1037·0	−14	SW	3	z.	57	55	6	–	–	1	0	1	–	*
4	Ross-on-Wye	1036·0	−14	W	2	z.	58	55	6	–	–	1	0	1	–	6·5
5	Bristol ...	1036·7	−10	WNW	2	z.	59	35	6	–	–	9	0	4–6	–	9·4
	Portland Bill ...	1037·3	−8	E	2	bc	42	85	6	4	–	–	4–6	4–6	2500	*
	Plymouth ...	1037·2	−12	S'W	2	z.	51	85	6	–	–	1	0	2–3	–	9·0
	The Lizard ...	1036·6	−4	ENE	3	if	49	85	3	4	–	–	2–3	2–3	2500	6·0
	Scilly (St.Mary's)	1036·4	−8	SE'S	4	bc	51	85	8	4	4	4	1	2–3	2500	3·8
	Guernsey ...	1037·1	−8	E	1	bc	50	75	8	–	1	–	0	2–3	–	9·2
6	Pembroke ...	1036·9	−4	SE	2	z.	49	75	6	–	7	–	0	1	–	8·4
7	Holyhead ...	1035·2	−6	SW'S	5	c	45	92	7	5	4	–	7–8	7–8	450	2·7
	Chester (Sealand)	1035·2	−14	WSW	2	bc	62	25	7	–	3	–	0	2–3	–	1·4
8	Manchester ...	1035·0	−16	SW	3	z.	57	45	6	–	3	9	0	2–3	–	1·5
10	Spurn Head ...	1034·6	−4	WSW	2	bc	54	75	6	–	4	6	0	4–6	–	5·2
	Catterick ...	1033·1	−2	SW'S	3	c	50	65	8	–	7	9	0	7–8	–	7·6
	Tynemouth ...	1030·8	−10	SW	1	c	52	55	6	5	–	–	7–8	7–8	800	2·7
11	St. Abbs Head ...	1028·5	−16	W	7	g	52	75	8	2	1	1	2–3	4–6	2500	*
	Leuchars ...	1026·9	−22	W	7	g	53	65	8	7	4	9	2–3	4–6	2500	7·7
12	Renfrew (Abbotsl.)	1030·1	−8	WSW	5	c	48	75	7	5	3	–	7–8	9	2500	6·4
	Eskdalemuir ...	1031·1	−8	SW'S	5	bc	48	65	7	7	–	1	4–6	4–6	2500	3·8
	Point of Ayre ...	1033·7	−2	W	4	b	53	65	8	–	4	–	0	Tr	–	8·2
13A	Tiree	1027·6	0	SW	6	c	50	85	7	5	7	–	4–6	9+	1500	6·7
13B	Stornoway ...	1029·5	−2	WSW	8	c	50	85	7	5	2	–	9	10	4000	1·0
15	Dalwhinnie ...	1026·8	0	W	3	c	46	75	7	4	6	–	4–6	10	2500	5·1
	Aberdeen ...	1023·9	−2	W	5	bc	56	55	7	1	4	–	Tr	4–6	4000	4·8
	Wick ...	1020·6	−4	SW	8	c	51	75	8	5	7	–	7–8	9+	1500	*
16	Lerwick ...	1009·3	−8	WSW	9	rr	47	85	6	6	2	–	9	10	800	0·5
17	Blacksod Point	1033·0	+8	W	3	o	50	75	7	5	–	–	10	10	800	*
18	Malin Head ...	1030·8	+10	W	4	c	51	97	7	8	–	–	9	9	800	7·4
	Aldergrove ...	1033·1	−4	SW	4	c	47	75	7	5	–	–	9+	9+	2500	8·8
19	Birr Castle ...	1034·6	+2	SW	1	c	52	75	8	4	–	–	7–8	7–8	1500	0·9
20	Valentia Obsy. †	1035·5	−2	S	3	c	53	75	8	5	–	–	9+	9+	2500	3·1
	Roches Point	1035·7	*	NW	1	bc	52	85	8	1	–	3	2–3	4–6	2500	*

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

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)	1034·9	−8	WSW	1	z.	55	55	5	–	–	1	0	Tr	–	1	*
	Croydon ...	1034·7	−10	WSW	2	z.	55	65	6	–	–	1	0	1	–	1	*
	S. Farnborough	1035·0	−8	SW	1	z.	52	65	6	–	–	1	0	Tr	–	0	*
	Boscombe Down	1035·4	−8	S	2	z.	50	65	6	–	–	4	0	2–3	–	0	*
	Calshot (Sthmtn.)	1035·8	−10	–	0	b/f	42	97	6	–	–	1	0	1	–	1	1
	Lympne ...	1035·8	−14	SSW	2	z.	47	85	6	–	4	–	0	Tr	–	1	§ 0
	Manston ...	1035·0	−10	SSW	2	b	51	75	6	–	–	1	0	1	–	0	*
2	Shoeburyness ...	1034·8	−6	SW'W	1	b	51	75	5	–	4	–	0	Tr	–	1	*
	Felixstowe ...	1034·3	−12	SW	2	z.	47	85	5	–	–	8	0	Tr	–	1	2
	Gorleston ...	1033·3	−8	SW	2	bc	55	65	6	–	4	–	0	2–3	–	0	2
	Mildenhall ...	1033·7	−8	SW	3	z.	55	55	6	–	3	–	0	1	–	0	*
	Cranwell ...	1032·8	−2	WSW	3	bc	51	55	7	–	4	–	0	4–6	–	1	*
3	Birmingham ...	1032·9	−12	WSW	3	bc	56	45	7	–	–	1	0	2–3	–	1	*
	Upper Heyford	1034·9	−6	SW	3	z.	53	55	6	–	4	5	0	Tr	–	0	*
4	Ross-on-Wye	1034·1	−8	SW	2	z.	54	45	6	–	–	1	0	1	–	0	*
5	Bristol ...	1035·0	−10	WSW	2	bc	53	35	7	–	–	9	0	2–3	–	1	*
	Portland Bill ...	1035·7	−6	NE	2	f	39	92	2	5	–	–	10	10	⟨150	1	2
	Plymouth ...	1035·6	−6	SSW	2	z.	47	92	6	–	4	1	0	4–6	–	1	2
	The Lizard ...	1035·4	−4	ENE	3	bc	46	92	8	7	4	–	2–3	2–3	4000	1	2
	Scilly (St.Mary's)	1035·1	−4	ESE	3	bc	49	92	8	–	4	1	0	2–3	–	1	2
	Guernsey ...	1035·5	−8	–	0	bc	46	75	7	–	1	–	0	2–3	–	0	0
6	Pembroke ...	1034·7	−4	SSW	1	z.	47	85	6	–	7	–	0	1	–	1	1
7	Holyhead ...	1033·8	−6	SW'S	5	bc	46	85	6	–	8	–	0	2–3	–	1	2
	Chester (Sealand)	1034·2	+2	NW	4	c	47	75	7	–	4	5	0	1	–	0	*
8	Manchester ...	1033·6	+2	WN	1	z.	46	75	6	–	4	1	0	2–3	–	0	*
10	Spurn Head ...	1032·3	−6	W'S	3	bc	51	97	6	–	4	2	0	2–3	–	0	1
	Catterick ...	1031·3	−2	SW'W	3	bc	46	75	8	–	4	1	0	2–3	–	0	*
	Tynemouth ...	1028·9	−12	W	4	bc	49	75	6	2	–	–	2–3	2–3	2500	0	2
11	St. Abbs Head ...	1028·3	0	W	6	g	48	75	8	8	7	1	4–6	7–8	2500	0	4
	Leuchars ...	1027·4	+6	WSW	6	c	48	85	7	5	9	9	2–3	7–8	2500	0	*
12	Renfrew (Abbotsl.)	1025·7	+4	W	4	c	49	75	8	5	–	–	10	10	1500	1	*
	Eskdalemuir ...	1030·6	+2	WSW	5	c	47	75	7	5	–	–	9	9	2500	1	*
	Point of Ayre ...	1032·7	−12	WN	3	c	49	85	8	5	–	–	9+	9+	2500	0	2
13A	Tiree	1027·9	+4	SWW	6	c	49	92	6	5	–	–	10	10	1500	0	4
13B	Stornoway ...	1024·4	+18	W	3	c/r	46	92	6	5	7	–	7–8	7–8	2500	1	2
15	Dalwhinnie ...	1026·4	−2	SW	4	r.r.	45	85	7	5	1	–	4–6	10	2500	*	*
	Aberdeen ...	1023·8	+2	WSW	2	bc	53	65	7	5	4	–	2–3	4–6	5700	0	1
	Wick ...	1021·4	+12	WNW	4	dd	46	82	5	5	2	–	9+	10	800	1	2
16	Lerwick ...	1014·0	+18	W	8	bc	45	65	8	8	7	1	2–3	4–6	1500	1	*
17	Blacksod Point	1032·6	+4	SW	3	c	50	85	7	5	–	–	10	10	800	0	3
18	Malin Head ...	1031·1	+4	W	4	c	49	92	7	8	–	–	9+	9+	800	0	5
	Aldergrove ...	1032·7	+2	SW	3	z.	47	85	6	5	–	–	9+	9+	2500	1	*
19	Birr Castle ...	1033·6	−2	SSW	1	c	50	85	8	5	–	–	9+	9+	1500	1	*
20	Valentia Obsy. †	1034·7	+2	SW'S	1	c	51	85	8	5	–	–	9+	9+	1500	1	3
	Roches Point	1034·8	*	S	3	bc	48	92	8	5	–	3	1	2–3	2500	1	2

PAST 24 HOURS.

Weather. 7h.—13h. 5th (37)	13h.—18h. 5th (38)	18h. 5th to 1h. 6th (39)	1h.—7h. 6th (40)
Ff bz.	bz.y	bz.	bm.x
bfbcbz.	bz.by	bz.m.w	bz.m.wx
F.m.by	by bz.	bm.fx	bfx
off xby	by z.bm.	bm.x	bm.x
offeo m.	bcff	bm.ffwx	bFFex
of m.	b	jf bm.w	bm.z.x
bcfbc	bcbz.	bz.m.w	bbcm.x
Ff bbc	bcbz.	bz.bmx	bxff
oF bf	bcm.bm.	bm.	bm.bcm.
ocfz.	bcz.	bcbz.	bbcz.
bcF,bcm.	bybz.	byz.b	bxbcm.
Febcm.	bcz.y	bcyb	bxfeFe
Fbc	bc	bcb	bx
oFbm.	bm.y	bm.	bbcm.
FFbz	byz.	bybz	bm.x
Fbcy	bcby	byz	bx
bcz.	bcf	ff	ff
bxbcm.	bcbm.	bcm.bw	bm.wxbc
bcjf	bc	bcb	bifm.
bcjf bc	bc	bcbw	bwbc
bbc	bc	bcbw	bwF
Febm.	z.b	bm.fc	bFeFzc
cbc ⊕	bcbm.	bm.wco	ffo
oFFeby	by	bwm.	bwcm.
offmbcy	bcyz.	bz.m.	bm.cm
Ffz.	cz.	bz.	bz.w
bcfc	cybyb	bw	bcwc
bcc	obc a	bc	bcq.
bq bc	cq	cqc	c
cbcq	bcq tq	cbcw	bcwc
cm. c	c	c	cd d.
d. fcbc	bcc	ccd.	pcir.
cbcb	bbcc	c	bcc
c	circ	o	or.d
cpr.	cr.r.	cbc	bcc
c	cr.r	cr.r	sr.rc
bcy	bcy	ccir	irc
bcc	cdd fm	prc	cpr.
cprm.	crr	bcprr	bcpr
c	c	id	idr.
c	cbcc	cbc	c
cb, c	cm.	cm.	c
bcc	c	c	c
c	c	cbc	bcbwbc
ffebc	bc	bcbw	offecm.

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).
⊕, Solar halo. ☾ lunar halo. ⁄ gale.
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.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 . . Ground covered with thawing snow.
7 . . „ 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.

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.*

† Sea disturbance reported from Dungeness.

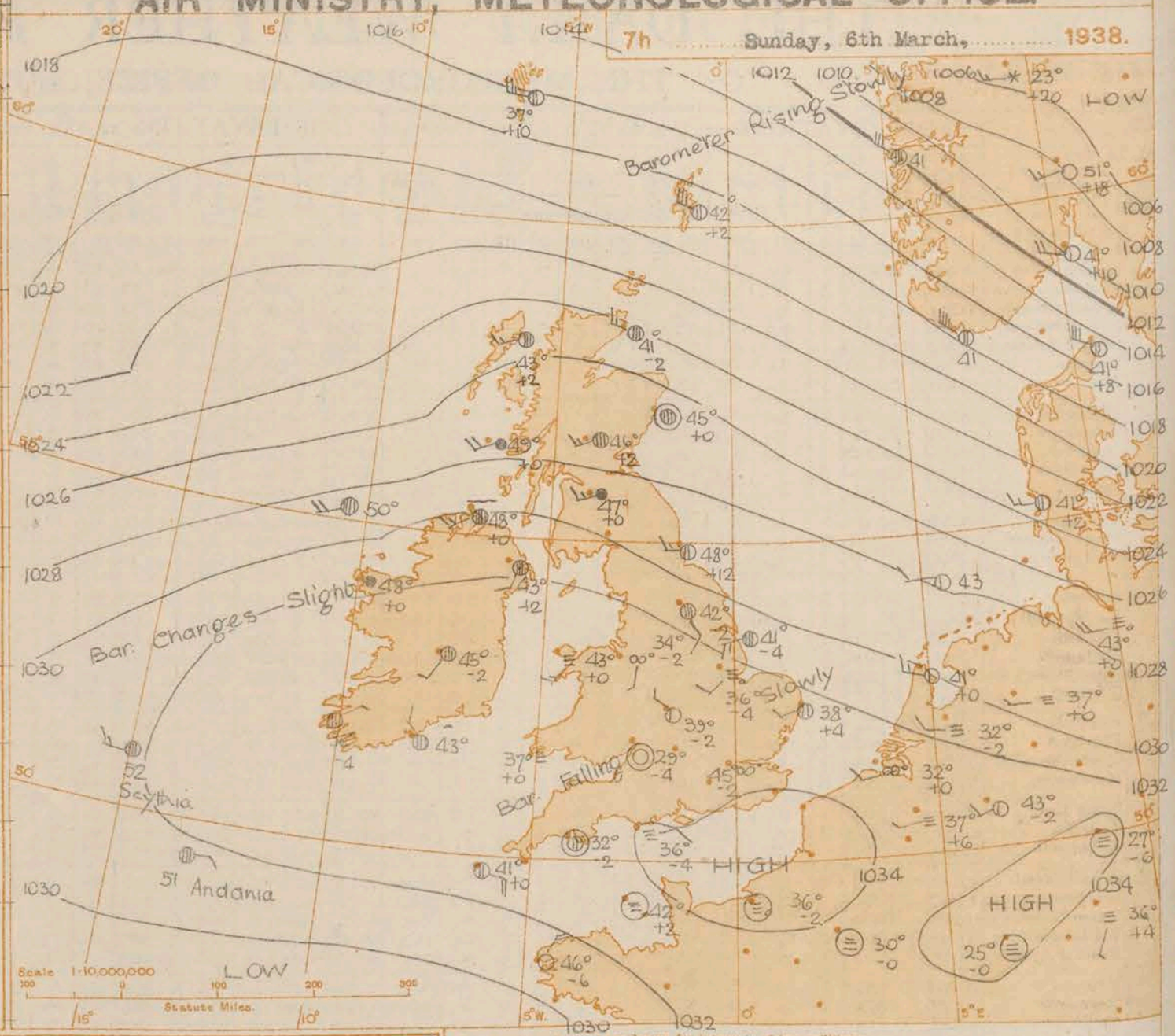
REPORTS from HEALTH RESORTS for 5th March 1938.

Districts	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature (°F.) Min. 9h. 4th to 9h. 5th.	Temperature (°F.) Max. 9h.—17h. 5th.	Rainfall (mm.) Night. 17h. 4th to 9h. 5th.	Rainfall (mm.) Day. 9h.—17h. 5th.	Sunshine (Hrs) Sunrise to 17h. 5th.	Sunshine (Hrs) Sunrise to Sunset. 4th.
1	Tunbridge W.	b	b	29	61	–	–	9·5	10·1
	Bournemouth	fbcb	b	29	53	Trace	–	6·4	9·5
	Ventnor ...	cbm	bm	38	48	–	–	8·7	10·2
	Southsea ...	bcm	bF	35	46	–	–	1·4	7·9
	Bognor Regis	cofe	fcco	35	41	Trace	Trace	0·2	8·6
	Littlehampton	fc	cbc	33	42	–	–	1·6	7·8
	Worthing ...	cm	bcb	35	42	Trace	–	3·0	8·5
	Brighton ...	c	cb	33	44	–	–	3·4	7·1
	Eastbourne† ...	fc	cb	36	51	0·1	–	4·5	9·7
	Hastings† ...	bmb	bmb	34	52	Trace	–	9·4	9·0
	Folkestone ...	bmb	bm.	33	53	–	–	8·7	8·9
	Dover ...	bbc	bcb	34	53	–	–	9·3	9·0
	Deal	b	b	36	57	–	–	9·4	9·3
	Ramsgate ...	bc	bc	40	56	–	–	8·8	8·9
	Margate ...	bc	bcb	40	61	–	–	9·0	9·0
2	Southend ...	bmb	b	36	60	Trace	–	8·0	8·0
	Clacton-on-Sea	bmz	bbcz	36	51	Trace	–	8·4	9·6
	Dovercourt ...	xfbc	bc	38	57	–	–	7·7	9·0
	Lowestoft ...	bFb	b	32	60	–	–	7·0	7·8
	Skegness ...	ofb	bcm.	34	60	Trace	–	6·3	5·3
	Mablethorpe...	bcmb	bbcy	32	60	–	–	6·7	5·7
	Cleethorpes ...	bc	bc	36	59	–	–	6·6	5·7
3	Leamington S.	b	b	32	61	–	–	7·2	1·4
4	Cheltenham†	bofb	b bm.	32	62	–	–	9·4	5·1
5	Bath	b	b	33	63	–	–	9·0	9·6
	Weymouth ...	fb	bf	33	48	–	–	5·9	9·8
	Jersey ...	bzb	b	37	58	–	–	10·0	10·4
	Torquay ...	wf	bbcf	31	45	–	–	3·4	9·8
	Falmouth	b	b	34	55	–	–	9·6	6·8
	Penzance ...	b	b	34	57	–	–	9·8	4·2
	St. Ives ...	b	b	39	60	–	–	9·9	9·4
	Buda... ...	xb	b	31	61	–	–	9·6	7·5
	Ilfracombe ...	bcbc	bcbbc	35	55	–	–	8·3	7·8
6	Aberystwyth	cbc	bbc	36	56	–	–	9·5	0·0
7	Llandudno ...	b	b	37	64	–	–	8·8	1·4
	Colwyn Bay...	bcbbc	bcb	38	60	Trace	–	9·2	0·7
	Rhyl... ...	mcb	b	38	59	–	–	9·4	0·5
8	Wallasey ...	fbcb	b	41	60	–	–	7·6	2·6
	Southport ...	bc	bcb	35	56	Trace	–	6·9	5·7
	Blackpool ...	ofebm	bz.	39	51	Trace	–	6·8	7·3
	Morecambe ...	cbcbc	bbc	41	47	Trace	–	7·1	5·5
9	Ilkley	c	cb	41	57	–	–	3·1	8·1
	Harrogate ...	cbc	bcb	42	58	–	–	5·1	8·2
10	Berwick-on-T.	cb	bc	42	55	–	–	5·5	8·5
11	Dunbar ...	bc	bcm.	43	53	–	–	4·5	7·5
12	Troon... ...	bcbbc	cbcc	44	47	–	–	3·6	3·3
	Douglas ...	obcbc	bc	42	52	–	–	6·3	7·8

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Sunday, 6th March, ... 1938.



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 Acia), 1h. local time.

Morning of

SUNDAY, 6TH MARCH,

1938.

Clarke's Projection Scale 1: 47·10° along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ○Clear sky. ◐Sky less than 3/10 clouded. ◑Sky 4/10 to 6/10 clouded. ◕Sky 7/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✱Snow. ⁂Sleet. △Hail ≡Fog. ≡Mist. ϟThunder. ϟ 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, 6th March, 1938.

No. 27863.

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

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	1034·4	-6	WSW	1	Z_o	40	85	5	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1034·9	-10	WNW	2	Z_o	41	92	6	-	-	-	0	0	-
	Manston ...	142	1033·8	-10	WSW	1	Z_o	40	92	6	-	-	-	0	0	--
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1032·8	0	WS	2	b	44	75	6	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1034·3	-10	ESE	2	F	37	92	1	-	-	-	10	10	<150
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1033·9	-6	ENE	2	b	43	85	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1033·8	-6	ENE	3	b	43	97	7	-	-	-	0	0	-
	Guernsey ...	175	1034·6	-4	ESE	1	b	40	97	6	-	-	-	0	0	-
6	Pembroke ...	142	1034·5	-2	ENE	1	F+	42	97	1	-	-	-	0	0	-
7	Holyhead ...	26	1033·8	-6	SW	2	o	46	92	7	5	-	-	10	10	800
	Chester(Sealand)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1032·0	0	W	3	b	41	92	6	-	-	-	0	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1029·8	-6	W	4	bc	46	85	7	2	-	-	2·3	2·3	1500
11	St Abbs Head	280	1028·1	-10	W	4	c	49	92	8	5	3	-	4·6	7·8	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1032·6	0	WNW	3	c	47	85	8	-	2	-	0	3+	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1026·1	+2	WSW	4	bc	42	85	7	5	-	-	4·6	4·6	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1024·9	+12	SW	3	c/pr	41	92	7	5	1	-	4·6	7·8	1500
16	Lerwick ...	156	1017·7	+12	W	7	c/phr	44	65	7	8	7	-	4·6	7·8	1500
17	Blacksod Point	18	1032·7	-2	SW	3	id	49	92	6	6	-	-	10	10	450
18	Malin Head ...	84	1030·8	-2	W	4	bc	47	97	7	4	-	-	4·6	4·6	800
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1034·7	0	S	1	b	43	97	7	-	-	-	0	0	-
	Rockes Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Becom. 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)	1034·0	-2	SSW	1	Z_o	35	92	5	-	-	1	0	1	-	3	*
	Croydon ...	1033·9	-2	-	0	Z_o	35	92	6	-	-	4	0	Tr	-	1	*
	S. Farnborough	1034·1	0	-	0	bf	26	97	3	-	-	1	0	2·3	-	3	*
	Boscombe Down	1033·9	-2	NNE	1	Z_o	34	85	6	-	-	4	0	Tr	-	3	*
	Calshot (Sthmtn.)	1033·6	-4	SWW	1	Z_o	30	97	0	-	-	-	10	10	<150	1	1
	Lympne ...	1034·2	+4	N	2	Z_o	38	75	5	-	-	1	0	Tr	-	1	0
	Manston ...	1033·7	+2	WNW	1	Z_o	35	85	4	-	-	5	0	2·3	-	1	*
2	Shoeburyness...	1033·7	+2	-	0	bf	33	92	3	-	-	1	0	Tr	-	3	*
	Felixstowe ...	1033·3	+2	W'N	1	Z_o	39	85	5	-	-	8	0	2-3	-	1	1
	Gorleston ...	1032·8	+4	WSW	2	bc	38	85	6	-	4	-	0	2·3	-	0	2
	Mildenhall ...	1033·1	0	WSW	2	Z_o	31	97	5	-	-	1	0	2·3	-	3	*
	Cranwell ...	1032·5	-4	SW'W	2	Z_o	36	97	4	-	4	1	0	4·6	-	1	*
3	Birmingham ...	1033·1	-2	WNW	2	b	39	85	8	-	-	1	0	1	-	1	*
	Upper Heyford	1034·2	-2	WSW	1	Z_o	36	85	5	-	-	8	0	4·6	-	0	*
4	Ross-on-Wye	1033·8	-4	-	0	Z_o	29	92	5	-	-	1	0	1	-	0	*
5	Bristol ...	1033·9	0	SW	1	Z_o	32	75	6	-	-	1	0	2·3	-	3	*
	Portland Bill ...	1034·0	-4	ENE	2	if	36	92	3	4	-	-	2·3	2·3	2500	1	2
	Plymouth ...	1033·6	-2	-	0	f_o	32	92	8	-	5	1	0	2·3	-	1	1
	The Lizard ...	1033·2	0	ENE	3	bc	41	92	6	7	4	-	4·6	4·6	2500	1	2
	Scilly (St. Mary's)	1032·5	-2	ESE	4	bc	41	92	7	-	4	-	0	2·3	-	01	2
	Guernsey ...	1033·2	+2	-	0	bf	42	97	2	-	-	-	0	0	-	1	1
6	Pembroke ...	1033·2	0	-	0	F	37	97	1	-	-	-	10	10	<150	1	1
7	Holyhead ...	1032·9	0	SW	3	f	43	97	2	-	-	-	10	10	<150	1	1
	Chester(Sealand)	1033·3	-2	S	1	Z_o	34	97	5	5	-	-	9	9	2500	0	*
8	Manchester ...	1033·0	+2	-	0	m	40	97	4	5	-	-	10	10	2500	0	*
10	Spurn Head ...	1031·1	-4	W'S	3	c	41	97	5	-	-	8	0	7-8	-	1	1
	Catterick ...	1030·8	-2	SSE	2	c	42	92	8	-	9	1	0	9	-	0	*
	Tynemouth ...	1029·3	+12	W	3	bc	48	75	7	5	-	-	4·6	4·6	1500	0	1
11	St Abbs Head	1028·7	+4	W	5	c	49	92	8	9	2	-	7-8	10	2500	0	3
	Leuchars ...	1027·3	+8	WSW	4	c	47	85	8	5	7	-	Tr	3+	1500	0	*
12	Renfrew (Abbotsl.)	1029·4	0	WSW	3	$d_o d_o$	47	92	7	5	-	-	9	9	1500	1	*
	Eskdalemuir ...	1030·2	+6	SW'S	4	c/r	44	85	7	5	-	-	10	10	1500	1	*
	Point of Ayre...	1032·0	0	W'S	2	c	47	85	8	5	-	-	10	10	4000	0	1
13A	Tiree	1027·5	0	WSW	4	rr	49	97	6	-	2	-	10	10	1500	1	3
13B	Stornoway ...	1026·9	+2	WSW	3	c	43	85	8	5	7	-	4·6	3+	2500	1	1
15	Dalwhinnie ...	1027·7	+2	SW	3	c	46	92	6	4	6	-	7-8	10	1500	1	*
	Aberdeen ...	1026·6	0	-	0	c	45	85	6	6	2	-	4·6	10	1500	1	1
	Wick ...	1025·0	-2	W	3	c/pr	41	85	8	5	7	8	4·6	9	1500	1	2
16	Lerwick ...	1019·0	+2	WNW	6	bc	42	65	8	8	7	-	4·6	4·6	1500	1	*
17	Blacksod Point	1031·9	0	-	0	ir	48	92	7	6	-	-	10	10	450	1	2
18	Malin Head ...	1030·0	0	SW'W	3	c/d	48	97	6	5	-	-	10	10	800	0	5
	Aldergrove ...	1032·2	+2	S'W	2	c	43	92	7	5	-	-	3+	3+	2500	1	*
19	Birr Castle ...	1033·0	-2	SSW	1	c	45	85	8	5	-	-	3+	3+	1500	1	*
20	Valentia Obsy. †	1033·4	-4	NE'E	1	bc	36	92	8	-	-	6	0	2-3	-	1	3
	Rockes Point	1033·6	*	NW	2	c/f	43	97	6	5	-	-	7-8	7-8	1500	1	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 5th. Hrs. (36)
1	London (Kew)	60	34	22	Tr	Tr	7·0
	Croydon ...	62	33	26	-	-	9·3
	S. Farnborough	62	24	19	-	Tr	8·9
	Boscombe Down	58	30	24	-	-	7·5
	Calshot (Sthmtn.)	43	29	29	-	0·1	4·0
	Lympne ...	55	38	27	-	-	9·1
	Manston ...	58	35	25	-	-	9·1
2	Shoeburyness...	60	32	22	-	-	7·8
	Felixstowe ...	53	36	29	Tr	-	6·8
	Gorleston ...	60	37	35	-	-	7·4
	Mildenhall ...	62	31	25	-	Tr	9·1
	Cranwell ...	60	35	29	-	-	7·5
3	Birmingham ...	60	37	23	-	-	8·5
	Upper Heyford	63	35	22	-	-	*
4	Ross-on-Wye	61	29	19	Tr	-	7·2
5	Bristol ...	60	28	21	-	-	8·9
	Portland Bill ...	43	36	*	Tr	Tr	*
	Plymouth ...	52	32	26	Tr	-	9·4
	The Lizard ...	51	40	*	0·2	-	10·3
	Scilly (St. Mary's)	54	40	*	Tr	-	9·5
	Guernsey ...	55	38	30	-	-	10·5
6	Pembroke ...	49	34	*	Tr	Tr	7·4
7	Holyhead ...	50	43	40	-	-	7·7
	Chester(Sealand)	63	34	28	-	-	8·9
8	Manchester ...	61	35	29	-	-	6·4
10	Spurn Head ...	58	39	*	-	Tr	6·0
	Catterick ...	54	40	34	-	-	3·7
	Tynemouth ...	54	45	38	-	-	3·1
11	St Abbs Head	53	47	*	-	-	*
	Leuchars ...	54	46	43	-	-	5·8
12	Renfrew (Abbotsl.)	49	47	45	-	Tr	2·0
	Eskdalemuir ...	49	43	43	0·1	Tr	4·9
	Point of Ayre...	54	42	*	-	-	7·3
13A	Tiree	50	48	48	Tr	1	0·7
13B	Stornoway ...	51	41	*	0·3	-	0·2
15	Dalwhinnie ...	47	43	42	0·3	0·3	2·0
	Aberdeen ...	56	43	41	-	1	5·3
	Wick ...	53	39	*	3	1	*
16	Lerwick ...	51	38	*	1	0·3	0·0
17	Blacksod Point	51	44	*	-	0·2	*
18	Malin Head ...	51	46	*	-	Tr	1·3
	Aldergrove ...	48	42	38	-	-	2·2
19	Birr Castle ...	52	44	*	-	-	4·7
20	Valentia Obsy. †	53	35	30	-	Tr	0·3
	Rockes Point	52	41	*	Tr	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—13h, 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	Fkbz$_o$	bz$_o$y	bz$_o$	60	34	22	Tr	Tr	7·0	•	•	4
Croydon	217	bfbcbz$_o$	bz$_o$by	bz$_o$m$_o$w	62	33	26	-	-	9·3	•	•	5
Greenwich (Royal Observatory)...	149	Fb$_o$	by	bz	62	33	25	Tr	-	7·2	44	68	4
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	6·7	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	61	35	31	-	-	7·3	66	92	•
Kensington Pk. (Botanic Gardens)...	168	•	•	•	62	35	24	-	-	6·9	51	71	•
Camden Square	110	ofb	b	•	63	35	24	-	-	•	•	81	•
Kensington	80	b	b	•	63	36	25	-	-	7·8	At 18h. 40	70	•
Hampstead Observatory	450	bc	bc	bc	62	35	22	-	-	7·8	•	81	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 6th

South Kensington.

Max.	Time.	Min.	Time.
1·3	19h. 5th.	40·3	12-18h 5th.

Kew Observatory.

Max.	Time.	Min.	Time.
0·8	19h. 5th.	40·1	13h 5th.

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 5th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F	7h. G.M.T. 6th March. Barom. mb	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1035·0	NE	2	Z_o	55	1033·9	-	0	bf+	30
Brussels	1035·7	-	0	bc	48	1033·4	WSW	1	F	37
Berlin	1032·5	WSW	2	b	48	1027·0	W'N	2	Z_o	39
Zurich	1034·7	W	1	b	54	1034·6	ENE	1	Z_o	32
Rome	1028·1	N	3	b	59					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
63	30	-	-
58	36	-	-
55	39	-	-
61	32	-	-
*	*	-	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† hr. observations are from Valentia W/T Station.

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 7th March. 1938.

No. 27864.

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

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. (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)	1032·8	-8	WSW	2	Z_o	55	45	5	-	-	2	0	4-6	-
	Croydon ...	1032·5	-12	W'N	1	Z_o	62	55	6	-	-	5	0	2-3	-
	S. Farnborough	1032·4	-12	-	0	Z_o	63	45	5	5	-	-	1	1	2500
	Boscombe Down	1033·2	-10	SSE	2	Z_o	58	35	6	-	-	-	0	0	-
	Calshot (Sthmtn.)	1033·5	-4	SE'E	1	Z_o	50	65	5	-	-	-	0	0	-
	Lympne ...	1033·7	-6	SSE	2	Z_o	56	55	6	-	-	8	0	2-3	-
	Manston ...	1033·0	-8	NNE	1	Z_o	53	65	6	-	-	1	0	2-3	-
2	Shoeburyness ...	1032·9	-8	SE	2	bc	53	65	6	-	-	6	0	4-6	-
	Felixstowe ...	1032·7	-10	S	1	Z_o	52	65	6	-	-	8	0	2-3	-
	Gorleston ...	1032·6	-4	W	2	bc	53	65	6	-	7	-	0	4-6	-
	Mildenhall ...	1032·4	-10	W	3	Z_o	56	65	6	-	-	1	0	2-3	-
	Cranwell ...	1032·1	-10	SW	2	Z_o	53	65	5	-	-	6	0	7-8	-
3	Birmingham ...	1032·3	-6	NNW	1	Z_o	51	65	5	-	-	-	0	0	-.
	Upper Heyford	1033·0	-8	SW	2	Z_o	57	55	6	-	-	8	0	4-6	-
4	Ross-on-Wye	1031·9	-12	E	2	Z_o	56	45	6	-	-	-	0	0	-
5	Bristol ...	1032·6	-10	SSE	1	Z_o	62	35	6	-	-	-	0	0	-
	Portland Bill ...	1032·6	-8	ESE	2	b	49	85	6	-	-	-	0	0	-
	Plymouth ...	1032·9	-6	SW'W	1	Z_o	51	85	6	-	-	1	0	2-3	-
	The Lizard ...	1032·2	-4	NE'E	3	cf+	47	92	2	5	1	-	4-6	7-8	800
	Scilly (St.Mary's)	1031·9	-6	E'S	4	bc	53	75	6	5	4	4	2-3	4-6	4000
	Guernsey ...	1032·6	-6	-	0	b	55	65	6	-	-	-	0	0	-
6	Pembroke ...	1032·8	-4	WNW	1	Z_o	48	85	6	-	1	-	0	Tr	-
7	Holyhead ...	1033·3	0	SW	3	c	46	92	6	5	-	-	10	10	4000
	Chester(Sealand)	1033·4	-4	NNW	2	c	49	75	7	5	-	-	10	10	2500
8	Manchester ...	1032·8	-4	W'N	3	Z_o	49	75	6	5	-	-	10	10	4000
10	Spurn Head ...	1031·4	-4	NW'W	2	c	50	75	6	-	-	8	0	7-8	-
	Catterick ...	1030·5	-6	W'S	3	c	55	65	8	5	7	-	4-6	9	5700
	Tynemouth ...	1029·3	-6	W	3	c	53	75	6'	8	-	-	7-8	7-8	1500
11	St. Abbs Head ...	1028·6	+4	WNW	4	c/pr	52	92	8	9	3	-	4-6	9+	1500
	Leuchars ...	1028·1	+2	WSW	3	c	53	85	8	5	7	-	1	9	1500
12	Renfrew (Abbotsl.)	1029·7	+6	WSW	2	c/r	49	92	7	5	-	-	10	10	800
	Eskdalemuir ...	1030·1	-2	SW'S	4	c	48	85	8	5	-	-	10	10	1500
	Point of Ayre...	1031·9	0	W'N	3	c	53	75	8	5	-	1	7-8	7-8	4000
13A	Tiree	1028·5	+6	WSW	4	df	49	97	3	5	-	-	10	10	220
13B	Stornoway ...	1027·4	+4	WNW	3	c	50	65	8	2	5	1	4-6	7-8	2500
15	Dalwhinnie ...	1028·1	+4	SW	2	ir	48	92	7	4	1	-	4-6	10	2500
	Aberdeen ...	1028·0	+4	NNW	2	o	46	85	6	5	-	-	10	10	1500
	Wick ...	1026·5	+10	WNW	4	c	47	75	8	8	7	8	4-6	7-8	1500
16	Lerwick ...	1021·7	+14	WNW	5	c/pr	45	75	8	8	7	-	4-6	7-8	1500
17	Blacksod Point	1032·3	0	WSW	2	c	50	85	9	6	-	-	10	10	800
18	Malin Head ...	1030·6	+4	W	4	c	49	92	7	4	-	4	4-6	9	800
	Aldergrove ...	1032·2	+2	WSW	3	c	50	85	8	5	-	-	10	10	1500
19	Birr Castle ...	1033·1	+2	NW	1	c	50	75	8	5	1	-	7-8	9+	1500
20	Valentia Obsy. †	1032·6	-8	W	1	bc	53	65	8	-	-	2	0	4-6	-
	Roches Point	1033·7	*	SSE	3	f	44	97	2	5	-	-	10	10	<150

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1030·6	-12	-	0	Z_o	54	55	5	-	-	2	0	4-6	-	0	*
1030·7	-6	SSW	3	Z_o	54	65	5	-	-	4	0	4-6	-	1	*
1030·8	-10	S	2	Z_o	53	65	5	-	-	1	0	1	-	0	*
1031·1	-6	SSW	3	Z_o	52	45	6	-	-	1	0	1	-	0	*
1031·2	-8	WSW	1	bc	48	65	7	-	-	4	0	2-3	-	1	1
1031·9	-6	SSW	2	Z_o	47	75	5	-	-	8	0	2-3	-	0	1
1031·1	-10	ESE	2	Z_o	45	75	5	-	-	1	0	1	-	0	*
1031·4	-4	SE	2	c	45	85	5	-	-	8	0	7-8	-	1	*
1031·3	-4	SSW	2	Z_o	45	85	5	-	-	8	0	2-3	-	1	2
1030·9	-2	E	1	c	45	85	6	-	7	7	0	9	-	0	2
1030·7	-2	WNW	2	Z_o	51	75	6	-	-	1	0	2-3	-	0	*
1031·0	+2	W'N	3	Z_o	48	75	6	-	-	6	0	7-8	-	1	*
1031·0	-8	N	3	Z_o	48	75	5	-	-	1	0	1	-	1	*
1031·1	-4	NW'W	2	Z_o	54	65	6	-	-	9	0	2-3	-	0	*
1030·6	-6	N'E	1	Z_o	52	55	5	-	-	1	0	2-3	-	0	*
1030·8	-6	WSW	1	Z_o	52	55	6	-	-	9	0	2-3	-	0	*
1031·4	-10	E	2	bc	44	92	6	4	4	-	2-3	4-6	2500	1	2
1030·9	-14	-	0	Z_o	45	97	6	-	5	4	0	7-8	-	1	1
1030·5	-10	NE	4	cf	42	97	3	5	7	-	4-6	7-8	1500	1	2
1030·2	-10	E'S	4	bc	47	92	7	5	4	9	2-3	4-6	4000	1	2
1031·1	-8	NNE	1	bc	48	85	7	-	3	8	0	2-3	-	0	0
1031·1	-8	NNW	3	bc	47	75	7	-	7	2	0	4-6	-	1	1
1032·1	-6	NW'N	1	c	47	85	7	5	-	-	10	10	4000	0	1
1032·4	-4	NNW	3	c	45	85	7	5	-	-	9	9	4000	0	*
1031·7	-4	WNW	2	c	47	75	7	5	-	-	9+	9+	2500	0	*
1030·1	-6	W'N	3	cf	46	85	3	-	-	7	0	10	-	0	0
1030·0	-2	WSW	2	bc	46	85	8	5	-	6	1	4-6	4000	0	*
1029·4	0	WNW	2	c	52	85	6	8	-	-	7-8	7-8	1500	1	1
1028·0	0	WSW	4	c	50	92	8	8	7	-	4-6	9+	1500	0	3
1028·2	+6	NE	2	c	46	92	8	5	7	-	4-6	10	1500	0	*
1029·3	-2	W'S	3	c	49	92	8	5	-	-	10	10	1500	1	*
1029·8	+2	W'S	3	c	47	92	6	5	-	-	10	10	450	1	*
1031·3	+4	W	3	c	49	85	8	5	-	-	9+	9+	2500	0	1
1028·5	+2	W'S	3	o/r	48	97	5	5	-	-	10	10	450	1	3
1027·4	0	WNW	1	c	48	75	8	5	5	-	7-8	7-8	4000	1	1
1028·0	+2	SW	2	c	46	92	6	4	1	-	4-6	10	1500	0	*
1028·0	+2	E	1	$d_o d_o$	46	92	6	5	2	-	7-8	10	1500	1	1
1026·9	+4	WNW	3	bc	44	85	8	5	7	1	2-3	4-6	1500	1	2
1023·4	+8	WNW	4	c	43	65	8	5	7	-	7-8	7-8	1500	1	*
1031·5	-2	S	2	c	47	97	8	5	-	-	9+	9+	450	1	2
1030·5	-4	W	3	c	48	92	7	8	-	-	9	9	800	0	4
1031·3	0	SW'W	3	c	49	85	8	5	-	-	9+	9+	2500	1	*
1031·8	-4	NW	1	bc	51	75	8	-	-	5	0	4-6	-	1	*
1030·8	-8	WSW	1	bc	49	85	8	-	-	2	0	2-3	-	0	2
1032·0	+	SE	3	f	43	97	2	5	-	-	10	10	<150	1	2

PAST 24 HOURS.

Weather. 7h.—13h. (37)	Weather. 13h.—18h. (38)	Weather. 18h. 6th to 1h. 7th (39)	Weather. 1h.–7h. 7th (40)
bmbcy	bcyz$_o$	bcybz$_o$	bffx
bm$_o$z$_o$y	bbcz$_o$y	bcbzw	bm$_o$wfx
bfz$_o$y	bz$_o$y	bfx	fFx
bm$_o$xbzy	bz$_o$y	bz$_o$ybm$_o$	bm$_o$bcfx
bffebm	bz$_o$b	bwbxm$_o$	bxm$_o$bmx
bz$_o$y	bz$_o$y	bz$_o$z	bm$_o$mx
bcmbz$_o$	bcbz$_o$	bz$_o$m$_o$Wx	bmxcf
fmbz$_o$	bcz$_o$	bcz$_o$bz	bxm
bcm$_o$bm$_o$	bm$_o$bcm$_o$	bcm$_o$bm	bwxmf
bcz$_o$	cbccz$_o$	bz$_o$z$_o$	bbcf
bcm$_o$	bcz$_o$	bcm$_o$b	oFfx
bcmm$_o$	bcm$_o$	bcz$_o$bm$_o$	bm$_o$Wm
b	bz	bz	bbcf
bcz$_o$y	bcz$_o$y	bcz$_o$bm	bmf
bz	byz	bzbmw	bmwof
bx	by	bcym$_o$	bcm$_o$Fx
ffb	bbcz$_o$	bcz$_o$	bcz$_o$
bcxbzy	bbccm$_o$	cbcm$_o$w	bcxff
bcmf	ciff	ifmbc	bcm$_o$w
bc	bc	bcw	bwbc
Ffb	bbc	bcbw	bwbc
cFembcb	bm$_o$bc	bcw	bm$_o$bc
oifc	m$_o$c	m$_o$c	c
cm$_o$	c	cm$_o$	cm$_o$
cmz$_o$	cz$_o$c	cbc	cff
mc	cff	fmbw	cmffo
circ	cbc	bcw	bcwcw
oid$_o$irc	c	coc	c
cpr$_o$	cpr$_o$	bbcc	c
c	c	c,bcw	bcw
cm$_o$ir$_o$	circ	circ	c
cid$_o$	cid$_o$	cid$_o$	cbcc
c	c	c	oc
ardmd$_o$f	fd$_o$oir	om$_o$rd	c
c	bcc	cd$_o$d$_o$m$_o$	cifpr$_o$
ciro	ciro	*	cir$_o$
coid$_o$	ocid$_o$	cd$_o$m$_o$d$_o$	om$_o$fd$_o$
cpr$_o$c	bc	bc	c
bccpr	bccpr	bcpr	bcc
id$_o$c	id$_o$c	c	bc
c	c	cid$_o$c	c
c	c	c	c
c	cbc	bcb	bbc
bcbbc	bc	bc$_o$offe	offebx
cmoffe	ifoffe	offe	offeo

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).
⊕, Solar halo. ⊙ lunar halo. ⁄ gale.
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 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).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. ,, 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.

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.*

† Sea disturbance reported from Dungeness.

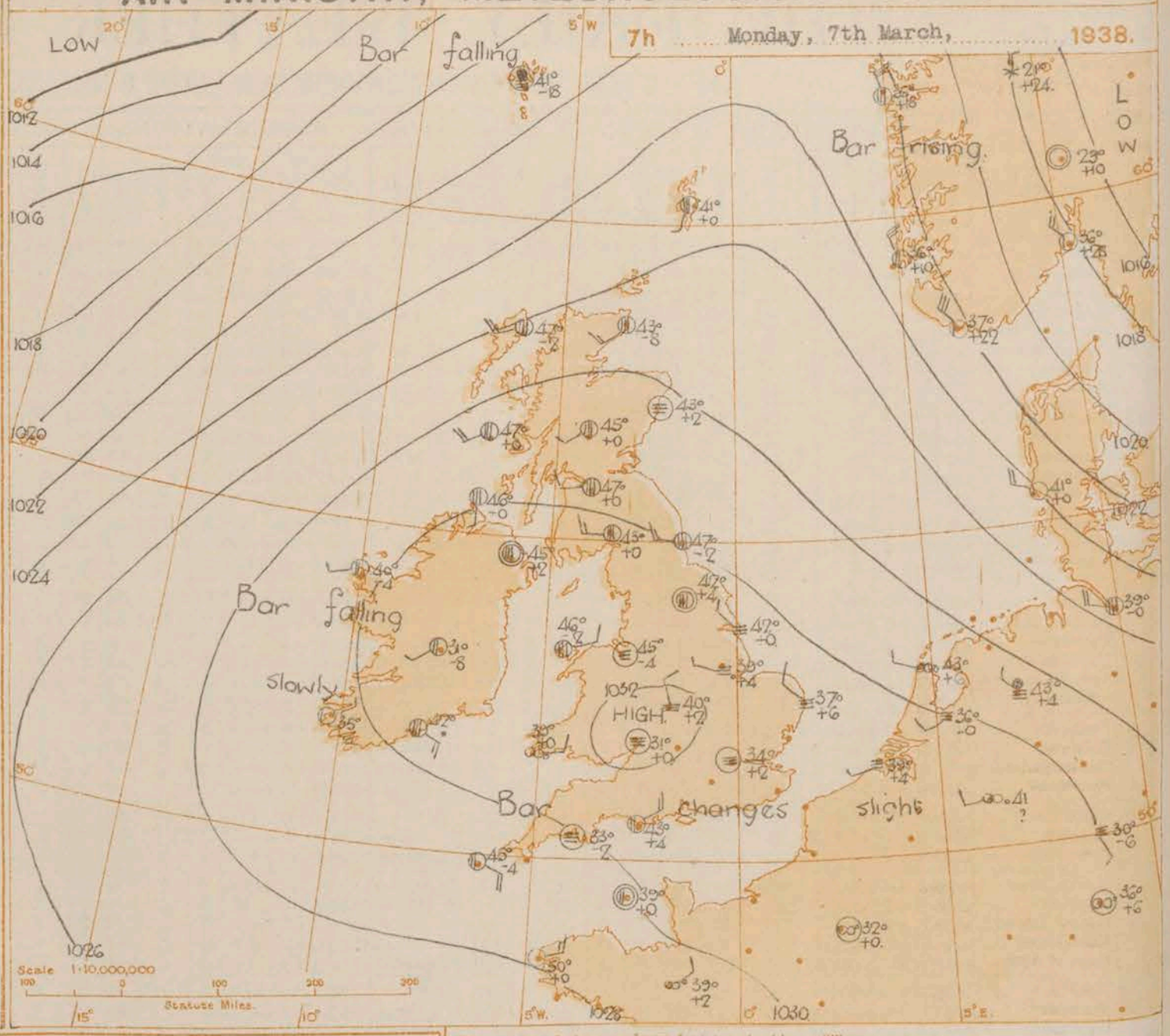
REPORTS from HEALTH RESORTS for 6th March 1938.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 5th to 9h. 6th	Temperature (°F.) Max. 9h.—17h. 6th	Rainfall (mm.) Night. 17h. 5th to 9h. 6th	Rainfall (mm.) Day. 9h.—17h. 6th	Sunshine (Hrs.) Sunrise to 17h. 6th	Sunshine (Hrs.) Sunrise to Sunset. 5th
1	Tunbridge W.	b	b	29	63	-	-	9·6	9·7
	Bournemouth	b	b	28	60	-	-	9·0	6·5
	Ventnor ...	xbz	b	35	55	-	-	9·7	9·0
	Southsea ...	bf	bm$_o$	31	61	-	-	9·1	1·4
	Bognor Regis	b	b	30	52	-	-	9·4	0·2
	Littlehampton	b	b	28	55	-	-	9·3	1·6
	Worthing ...	b	b	31	56	Trace	-	9·4	3·5
	Brighton ...	b	b	32	54	-	-	9·4	3·6
	Eastbourne† ...	bby	by	33	56	Trace	-	9·8	4·7
	Hastings† ...	b	b	38	55	-	-	9·8	9·7
	Folkestone ...	bm$_o$b	bbm$_o$	36	57	-	-	8·7	8·7
	Dover ...	b	b	36	54	-	-	9·4	9·3
	Deal	b	b	42	55	-	-	9·2	9·5
	Ramsgate ...	bc	bc	42	54	-	-	9·3	8·8
	Margate ...	bbc	cbc	41	52	-	-	9·4	9·0
2	Southend ...	bm	b	38	60	Trace	-	8·3	8·0
	Clacton-on-Sea	bz	bbcz	36	51	-	-	9·5	8·4
	Dovercourt ...	b	bc	41	58	-	-	9·6	7·7
	Lowestoft ...	b	b	33	59	-	-	9·0	7·0
	Skegness ...	m$_o$b	bbcm	33	56	-	-	7·8	6·3
	Mablethorpe...	bbcb	b	34	57	-	-	7·9	6·7
	Cleethorpes ...	bc	bc	38	58	-	-	7·9	6·6
3	Leamington S.	b	bbc	29	59	-	-	8·5	7·3
4	Cheltenham†	mb	bbz	30	60	-	-	9·0	9·4
5	Bath	b	b	28	65	-	-	9·9	9·4
	Weymouth ...	b	b	30	55	-	-	9·3	6·2
	Jersey ...	bzb	b	40	62	-	-	10·0	10·2
	Torquay ...	wxbmb	bf	30	48	-	-	9·8	3·4
	Falmouth	b	f	35	54	-	-	7·2	10·1
	Penzance ...	b	b	35	59	-	-	9·2	10·5
	St. Ives ...	b	b	52	61	-	-	10·0	9·9
	Bude... ...	b	bm	30	53	-	-	8·4	9·8
	Ilfracombe ...	cbc	bbcz	33	55	-	-	7·8	8·8
6	Aberystwyth	zcbcc	Ff	39	46	-	-	1·3	10·1
7	Llandudno ...	c	c	42	48	-	-	0·0	9·1
	Colwyn Bay..	o	ocbcb	43	50	-	-	1·3	9·2
	Rhyl	cm$_o$	cbc	39	48	-	-	0·0	9·6
8	Wallasey ...	c	c	40	47	-	-	0·1	7·7
	Southport ...	o	obc	43	47	-	-	0·0	6·9
	Blackpool ...	omm$_o$	om$_o$cm	42	46	-	-	0·0	6·9
	Morecambe ...	c	c	41	46	-	-	0·0	7·1
9	Ilkley... ...	bcb	bbc	41	54	-	-	6·6	3·7
	Harrogate ...	cb	b	40	57	-	-	8·6	5·1
10	Berwick-on-T.	bic	or$_o$c	44	52	0·5	3	0·0	5·5
11	Dunbar ...	bc	b$_o$m$_o$	45	52	-	Trace	0·0	4·5
12	Troon... ...	coc	cr$_o$oc	43	48	0·3	Trace	0·0	3·6
	Douglas ...	bc	bc	43	50	-	-	0·0	6·3

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Monday, 7th March, ... 1938.



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

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 7th March, 1938.
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 variable winds; fair, extensive fog inland at night, clearing by day but persisting locally on coasts; mild.
13 A. W. Scotld. 13 B.N.W.Scotland.	Wind, westerly moderate, increasing tomorrow; mainly fair today, rain tomorrow; mild.
14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland	
19 S. E. Ireland 20 S. W. Ireland	As 1 - 12.

GENERAL INFERENCE.

An anticyclone covers England and France and a depression is approaching Iceland from the southwest. Weather will remain mainly fair and mild apart from fog in England and Wales but will be rather unsettled in Scotland and Northern Ireland.

FURTHER OUTLOOK.

Mainly fair and mild in England and Wales; unsettled in Scotland and Ireland.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2

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.

Morning of

MONDAY, 7TH MARCH,

1938.

Clarke's Projection Scale 1: 4·X 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 600

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS:— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. 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, 7th March, 1938.
No. 27864.

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

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	1030·8	-6	-	0	Z_o	38	85	5	-	-	-	0	0	-
	S. Faruborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	98	*	*	*	*	*	*	*
	Lympne ...	348	1031·7	0	WNW	2	m	42	97	4	-	-	-	0	0	-
	Manston ...	142	1030·8	-2	S'W	1	Z_o	39	75	5	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1031·0	0	W	2	b	40	85	6	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1030·8	-6	ESE	2	bc	43	92	6	4	-	-	2-3	2-3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1029·9	-4	NE	4	bc	44	97	7	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1029·9	-6	E	4	bc	45	92	7	5	-	-	2-3	2-3	2500
	Guernsey ...	175	1030·7	0	-	0	b	46	85	6	-	-	-	0	0	-
6	Pembroke ...	142	1031·4	-2	ENE	3	bc	40	85	7	5	4	-	2-3	4-6	4000
7	Holyhead ...	26	1032·1	-2	-	0	c	45	92	7	5	-	-	1-0	1-0	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1030·1	0	WNW	3	m	41	97	4	-	-	-	0	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1029·6	0	W	3	c	48	92	7	5	-	-	7-8	7-8	1500
11	St. Abbs' Head ...	280	1029·7	+4	W	3	c	48	92	7	5	7	1	4-6	7-8	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1031·9	0	W	3	c	48	85	8	5	-	-	10	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1027·3	-2	-	0	c	45	97	6	5	2	-	4-6	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1027·9	0	W	3	bc	35	97	8	5	7	-	2-3	4-6	1500
16	Lerwick ...	156	1024·7	0	NW	4	bc	41	85	8	8	-	-	4-6	4-6	1500
17	Blacksod Point	18	1031·2	-4	-	0	c	43	92	7	5	-	-	10	10	800
18	Malin Head ...	84	1030·7	-2	SW'W	2	c	47	92	7	4	-	-	9	9	800
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1030·7	-2	-	0	F	41	92	1	-	-	-	10	10	<150
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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. (29)	Sea. 0–9 (30)
1031·5	+2	SW	1	bf	34	92	3	-	-	1	0	Tr	-	3	*
1031·4	+2	-	0	bcf	34	97	3	-	-	1	0	2-3	-	1	*
1032·0	+2	-	0	F	26	97	1	-	-	-	10	10	<150	3	*
1031·7	-2	N'W	1	cf	33	97	3	-	-	6	0	7-8	-	3	*
1030·9	+2	NW	2	m	35	97	4	-	3	5	0	1	-	1	*
1030·9	0	N'E	3	Z_o	39	85	5	-	-	9	0	1	-	0	§ 1
1030·9	+6	NNW	2	cf-	37	97	3	5	-	-	9+	9+	800	1	*
1031·3	+4	NW	1	m	34	97	4	-	-	1	0	Tr	-	1	*
1030·9	+6	NW'W	1	m/f	36	97	4	-	-	1	0	Tr	-	1	*
1030·7	+6	NW'W	2	bcf+	37	97	3	-	5	-	0	2-3	-	0	1
1031·1	+2	WSW	1	F	28	97	1	-	-	-	10	10	<150	3	*
1031·1	+4	W'N	1	m	39	92	4	-	4	1	0	2-3	-	1	*
1031·3	+2	NNW	2	bcf	40	92	3	-	-	6	0	4-6	-	1	*
1032·1	0	NW	3	bcf+	34	97	2	-	-	6	0	2-3	-	1	*
1032·3	0	-	0	of	31	97	3	5	-	-	10	10	450	0	*
1032·0	0	-	0	F	27	97	1	-	-	-	10	10	<150	3	*
1029·9	-4	NE	3	bc	43	92	6	4	-	-	4-6	4-6	2500	1	3
1030·0	-2	-	0	cf	33	85	2	-	5	4	0	7-8	-	1	-
1029·1	-2	NE'E	4	bc	45	92	6	5	7	-	4-6	4-6	1500	1	2
1028·5	-4	ESE	4	bc	45	97	6	5	4	9	2-3	4-6	2500	1	2
1030·3	0	-	0	bc	39	97	6	-	3	-	0	4-6	-	1	0
1030·5	0	E	2	Z_o	39	92	6	5	4	-	2-3	4-6	4000	1	1
1031·2	-2	E'N	2	c	46	92	8	5	-	-	10	10	4000	0	0
1031·7	+4	-	0	Z_o	45	92	6	5	-	-	10	10	1500	0	*
1031·2	+4	-	0	cf	42	97	3	5	-	-	10	10	1500	1	*
1030·7	0	NW'W	1	of	42	97	3	5	-	-	10	10	1500	0	0
1030·2	+4	-	0	c	42	97	8	5	-	-	9	9	4000	0	*
1029·0	-2	W	3	c	47	97	7	8	-	-	7-8	7-8	1500	1	1
1028·4	-2	WNW	3	c	47	85	7	5	7	-	4-6	7-8	1500	0	2
1029·0	+4	W	2	bc	42	97	8	5	4	9	Tr	4-6	1500	0	*
1029·7	0	W'S	2	c	47	92	8	5	-	-	10	10	1500	1	*
1030·2	0	W	3	c	43	97	8	5	-	-	7-8	7-8	1500	1	*
1031·2	-2	W'N	1	c	46	92	7	5	2	-	4-6	10	800	0	1
1028·9	0	SW'W	4	c	47	75	7	5	-	-	9+	9+	1500	1	2
1026·7	-2	WSW	4	c	47	97	7	5	7	-	7-8	9+	2500	1	2
1029·6	0	SW	1	c	45	92	7	5	1	-	4-6	10	1500	1	*
1028·4	+2	-	0	df	43	97	2	-	-	-	10	10	<150	1	1
1026·7	-8	SW	3	c	43	92	7	5	2	-	7-8	10	1500	1	2
1025·5	0	SSW	1	c	41	85	8	5	2	-	7-8	10	1500	1	*
1029·1	-8	WSW	1	bc	40	92	8	4	-	9	Tr	2-3	4000	0	3
1030·0	0	S	1	c	46	92	7	5	-	-	10	10	800	0	4
1031·3	+2	-	0	c	45	75	8	5	-	-	10	10	2500	1	*
1030·5	-8	SE	1	bc	31	97	7	5	-	-	4-6	4-6	2500	1	*
1028·3	-4	NE'E	1	b	35	97	8	5	3	-	Tr	1	2500	0	2
1030·8	=	ESE	3	o	42	97	7	5	-	-	10	10	800	1	2

PAST 24 HOURS.

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 6th Hrs. (36)
59	33	22	-	Tr	8·6
64	33	27	-	-	9·5
65	24	19	-	Tr	9·5
62	31	25	-	-	9·7
51	32	28	-	-	9·3
56	38	26	-	-	9·6
58	35	25	-	-	9·6
54	33	22	-	-	8·1
54	35	26	-	-	9·6
56	36	35	-	-	8·6
58	28	26	-	Tr	9·1
56	36	33	-	Tr	8·4
52	37	31	-	-	8·4
61	33	30	-	-	*
59	30	19	-	-	9·7
64	27	21	-	-	9·9
50	40	*	-	-	*
51	33	27	0·1	Tr	9·2
50	40	*	-	Tr	5·8
53	44	*	-	0·1	10·2
59	39	32	-	-	8·0
53	38	*	Tr	-	9·5
48	44	42	-	-	0·0
49	42	39	-	-	0·0
55	40	*	-	Tr	4·7
56	41	34	0·1	-	1·2
56	47	43	2	-	1·2
54	47	*	Tr	-	*
56	39	31	-	-	0·2
49	43	41	Tr	0·2	0·0
49	43	41	0·2	0·4	0·0
48	34	*	0·1	-	*
47	39	*	1	Tr	5·9
51	36	*	0·2	-	*
50	45	*	Tr	Tr	0·0
53	44	42	-	-	0·3
54	30	*	-	-	3·4
55	34	30	-	Tr	9·0
46	40	*	Tr	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather Morning.	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.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	bmbcy	bcy	bcy	59	33	22	-	Tr	8·6	*	*	2
Croydon	217	bm	Z_o y	bbcz	y bc	bzy	64	33	27	-	-	9·5	*
Greenwich (Royal Observatory) ...	149	bz	bz	bxf	61	37	24	-	Tr	7·6	35	91	3
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	5·9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	62	35	31	-	-	7·0	33	92	*
Regents Pk. (Botanic Gardens) ...	168	*	*	*	61	36	25	-	-	5·7	37	87	*
Camden Square	110	b	b	*	62	35	25	-	-	*	*	84	*
Kensington	80	bz	bz	*	62	36	26	-	-	7·2	At 18h. 60	91	*
Hampstead Observatory	450	bcm	bc	bc	56	37	27	-	-	8·6	*	87	*

Air Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time	Min.	Time.
1·0	19-21h. 6th	<0·3	3-4h. 7th.

Kew Observatory. Max.	Time.	Min.	Time.
1·2	21h. 6th.	0·1	14h. 6th.

FOREIGN OBSERVATIONS.

Stations.	13h. G.M.T. 6th March. Barom. mb.	Wind Direc.	Wind Force	Weather.	Temp. °F.	7h. G.M.T. 7th March. Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.
Paris	1031·0	-	0	Z_o	59	1031·1	-	0	Z_o	32
Brussels	1031·4	-	0	b	46					
Berlin	1025·3	W	4	c	46	1023·2	NW'W	5	c	39
Zurich						1030·7	SE	1	m	36
Rome	1030·2	SW	3	b	54					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
68	30	-	-
57		-	
48	39	-	-
	34		-
*	*	-	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 8th March, 1938.
No. 27865.

District	Stations (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 7th March: 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)	OBSERVATIONS at 18h. G.M.T. 7th March: 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)	PAST 24 HOURS. Weather. 7h.–13h. 7th (37)	13h.–18h. 7th (38)	18h. 7th to 1h. 8th (39)	1h.–7h. 8th. (40)
1	London (Kew)	1030·7	−10	WSW	1	bf	48	75	2	–	–	–	0	0	–	1029·3	−4	–	0	bf	47	85	2	–	–	–	0	0	–	0	*	xbff	bff	bffe	Fx
	Croydon ...	1030·8	−10	E'N	2	Z_o	54	75	6	–	–	2	0	9	–	1029·3	−2	E	2	m	50	75	4	–	4	1	0	4-6	–	1	*	bcsfm3⊕	cz_o	bcbfm$_o$w	bm$_o$xbwf
	S. Farnborough	1030·7	−14	–	0	Z_o	56	65	5	–	–	2	0	7-8	–	1029·3	0	–	0	m	50	75	4	–	5	2	0	4-6	–	0	*	F bcz$_o$	bcz$_o$ym	bcmfx	~~ffx~~ ff x⊕
	Boscombe Down	1031·0	−12	NW	1	Z_o	50	65	6	–	–	9	0	4-6	–	1029·3	−6	NNW	1	z_o	50	75	5	–	3	9	0	7-8	–	0	*	fxcbcm$_o$	bcm$_o$	bcm$_o$ff	bff$_o$FF
	Calshot (Stmtn.)	1030·8	−4	SE	2	Z_o	49	75	6	–	–	6	0	4-6	–	1029·0	−10	SEE	1	z_o	46	85	6	–	4	8	0	7-8	–	1		bcmm$_o$	bcm$_o$	bcmbffx	bffex
	Lympne ...	1030·8	−10	NE	2	Z_o	51	65	5	–	–	8	0	1	–	1030·3	+2	NEN	2	m	42	85	4	–	–	8	0	2-3	–	0	§ 0	bm$_o$bcz	bbczm	bcbmmw	bmxF
	Manston ...	1030·7	−10	NE	2	Z_o	49	75	5	–	–	8	0	2-3	–	1030·2	+4	EN	2	z_o	43	85	5	–	–	8	0	4-6	–	0	x	cffbm	bcz$_o$	bcbm$_o$w	bmwxcF
2	Shoeburyness ...	1030·8	−6	ENE	2	c	51	75	5	–	–	7	0	10	–	1030·1	+1·0	ENE	2	bc	42	92	5	–	–	2	0	2-3	–	1	*	bmcz$_o$c⊕	cbc bz$_o$ff	bz$_o$ff	oFFx
	Felixstowe ...	1031·1	−8	SE'E	1	Z_o	53	55	6	–	–	1	0	4-6	–	1030·4	−2	ENE	2	z_o	43	92	5	–	–	2	0	1	–	1	1	bmbcm$_o$y	bcm$_o$bm$_o$	bz$_o$bff	bfx$_o$Fe
	Gorleston ...	1030·8	−2	N'E	3	bc	49	75	4	–	5	–	0	4-6	–	1030·4	0	–	0	F	41	97	1	–	–	–	10	10	1150	0	1	bcffm	coffe	oFFe	oFFe
	Mildenhall ...	1030·9	−6	–	0	Z_o	55	65	5	–	–	1	0	2-3	–	1029·4	−2	SSE	1	z_o	51	75	5	–	–	4	0	2-3	–	0	*	offbcffbz	bz$_o$bcz$_o$	bcm$_o$bw	bcFFx
	Cranwell ...	1031·2	−4	ESE	2	Z_o	55	75	6	1	4	1	2-3	7-8	2500	1029·3	−6	E'S	2	z_o	47	92	5	–	–	1	0	2-3	–	1	*	bbcmm$_o$	bbcz$_o$	bm$_o$fem	bxfeFe
3	Birmingham ...	1031·2	0	SE	1	Z_o	53	65	5	–	–	1	0	Tr	–	1029·0	−4	SW	2	z_o	52	65	5	–	–	4	0	2-3	–	0	*	fbz	bz	bzb 6czo	b
	Upper Heyford	1031·1	−10	–	0	Z_o	54	65	5	–	–	4	0	4-6	–	1029·2	−4	–	0	z_o	51	75	5	–	–	8	0	2-3	–	0	*	bfbcm$_o$	bcz$_o$y	~~bzfe~~	Fe
4	Ross-on-Wye	1031·1	−10	W	1	Z_o	47	75	5	1	4	1	1	2-3	2500	1029·1	−6	SW	1	z_o	46	85	6	–	4	9	0	4-6	–	0	*	ofcmcmz	bzbcz$_o$	bzmff	FF
5	Bristol ...	1031·5	−8	–	0	Z_o	44	92	5	5	–	–	10	10	800	1029·2	−3	–	0	z_o	48	85	5	–	7	–	0	4-6	–	0	*	ffm$_o$	cbcm$_o$	bm$_o$x	bmffx
	Portland Bill ...	1030·1	−6	E	3	c	48	85	6	4	4	–	4-6	7-8	2500	1028·9	−10	E	2	bc	48	75	6	4	–	–	2-3	2-3	2500	1	2	bcz$_o$	bcz$_o$	bbz$_o$	bbcz$_o$
	Plymouth ...	1029·5	−6	E	3	Z_o	55	45	5	–	5	4	0	2-3	–	1028·1	−6	E	2	z_o	53	55	6	–	–	1	0	2-3	–	1	0	bcffz$_o$⊕	cbcyz$_o$	bcybz$_o$	bz$_o$mx
	The Lizard ...	1029·2	−2	NE'E	5	Z_o	50	85	6	7	6	–	4-6	4-6	2500	1028·2	−4	NE	4	z_o	47	92	6	7	4	–	4-6	4-6	2500	1	2	bcz$_o$	bcz$_o$	bcbzw	bbcwm
	Scilly (St. Mary's)	1029·6	−4	ESE	4	Z_o	53	86	6	–	–	8	0	2-3	–	1027·4	−6	SE'S	3	z_o	48	92	5	–	–	3	0	1	–	0	2	cbcz$_o$	bcbz$_o$	bm$_o$ome	om$_o$bcc
	Guernsey ...	1029·8	−2	ENE	1	Z_o	54	65	6	–	1	–	0	4-6	–	1028·3	−12	–	0	c	50	85	7	–	1	8	0	7-8	–	0	0	bcg	bcze	cbcb	bf
6	Pembroke ...	1029·9	−4	SE	3	Z_o	48	75	6	–	7	–	0	2-3	–	1028·5	−6	E	2	z_o	46	85	6	5	7	1	1	4-6	4000	1	1	bcz$_o$b	bbcz$_o$	z$_o$wb	bm$_o$c
7	Holyhead ...	1030·7	−4	–	0	c	48	85	8	5	–	–	9+	9+	1/2500	1028·5	−12	–	0	c	46	92	7	–	–	6	0	7-8	–	0	0	c	cbcc	cffbm	Fbcc
	Chester (Sealand)	1031·2	−8	SSE	1	z_o	53	75	5	5	–	–	7-8	7-8	2500	1029·3	−6	WSW	2	z_o	46	92	5	–	9	–	0	4-6	–	0	*	cm$_o$	bcz$_o$bm$_o$	bm$_o$FFe	oFFe
8	Manchester ...	1031·0	−8	W	1	m	52	75	4	–	–	2	0	4-6	–	1028·8	−6	W	1	bc	47	92	3	–	–	2	0	4-6	–	0	*	cffcm	bcz$_o$m	bcfFFe	oFFe
10	Spurn Head ...	1031·6	0	–	0	of	50	85	3	5	–	–	10	10	1500	1029·7	−8	SE'S	2	bc	44	97	5	–	–	8	0	4-6	–	0	1	cff	ffoc	czbmw	FFw
	Catterick ...	1030·0	−6	SE'S	2	c	54	75	7	5	–	–	9+	9+	4000	1028·2	−4	SW	1	z_o	50	85	6	–	–	2	0	4-6	–	0	*	cm$_o$c	cbcz$_o$	bcm$_o$fb	m$_o$oFx
	Tynemouth ...	1029·7	−6	WNW	2	c	55	75	6	5	–	–	7-8	7-8	800	1027·9	−4	WNW	3	c	50	85	6	5	–	–	7-8	7-8	1500	1	1	cbcc	c	cbcm$_o$	bcm$_o$
11	St Abbs Head ...	1028·7	−4	SW	3	c	49	85	8	4	7	–	4-6	9+	2500	1027·0	−2	WNW	2	c	47	85	8	4	6	1	4-6	7-8	2500	0	2	bcc	c	b	bbc
12	Leuchars ...	1028·1	−10	WSW	3	bc	54	75	8	5	8	2	4-6	4-6	2500	1026·7	−2	SW	3	bc	46	75	8	–	6	2	0	4-6	–	0	*	bcwbc	bcc z$_o$bc	bcwbw	bwxcm$_o$
	Renfrew (Abbotsl.)	1029·7	−2	WN	3	c	49	75	8	5	–	–	10	10	2500	1027·5	−10	W'S	2	bc	45	75	9	5	–	1	1	2-3	2500	1	*	cm$_o$id$_o$	cbc	bccm$_o$c	ccm$_o$
	Eskdalemuir ...	1029·8	−8	SSW	4	o	46	85	7	5	–	–	10	10	1500	1027·9	−6	SW	4	c	44	85	8	5	–	–	10	10	1500	1	*	co	c	c	co
	Point of Ayre ...	1030·8	−2	SW	2	c	49	85	7	5	2	–	4-6	10	800	1028·7	−10	SSE	1	c	46	92	7	5	2	–	7-8	9	800	0	1	c	c	cbcbw	bbcwx
13A	Tiree	1028·5	−6	SW'S	4	c	49	75	8	5	–	–	9+	9+	2800	1026·2	−10	S'W	2	c	48	85	8	5	7	–	9+	9+	2500	0	2	c	c	cbcb	bcc
13B	Stornoway ...	1026·4	−2	SW	5	c	47	85	8	5	7	–	9	10	2500	1023·8	−12	SSW	4	c	47	85	8	5	7	–	9	9+	2500	1	2	cd$_o$	c	c	cpr$_o$
15	Dalwhinnie ...	1028·3	−10	SW	3	c	47	85	7	5	2	–	4-6	9+	1500	1026·8	−6	SW	2	c	43	75	7	4	6	1	4-6	9	4000	0	*	c	c	*	bcc
	Aberdeen ...	1026·6	−12	S'W	3	bc	57	65	7	2	3	2	Tr	2-3	4000	1024·0	−14	WSW	3	bc	52	75	6	7	4	9	1	2-3	2500	1	1	ofd$_o$b	bcz$_o$	z$_o$cbwx	bxbzc
	Wick ...	1025·5	−6	W	4	c	54	75	8	8	9	–	4-6	9	1500	1023·5	−8	WNW	2	c	48	75	8	5	7	1	4-6	7-8	1500	1	1	cid$_o$c	c	c	cbcc
16	Lerwick ...	1023·9	−16	SW	4	d$_o$d$_o$	44	85	8	8	2	–	7-8	10	800	1020·4	−18	WSW	5	c	46	92	8	8	7	–	4-6	7-8	800	1	*	cro$_o$	ed$_o$d$_o$d	cpr$_o$	crrm$_o$
17	Blacksod Point	1028·0	−8	S	3	bc	53	75	7	–	–	4	0	2-3	–	1026·6	−4	SW	2	b	48	85	7	–	–	–	0	0	–	0	3	bc	bc	bc	c
18	Malin Head ...	1029·1	−6	W	2	bc	51	85	7	4	–	4	2-3	4-6	1500	1025·5	−30	W	1	c	47	92	8	4	–	4	2-3	7-8	1500	0	3	cbc	bc	bcbbc	bccz$_o$
	Aldergrove ...	1030·1	−6	SE	2	bc	53	65	8	–	–	2	0	4-6	–	1027·5	−10	S	2	bc	48	75	7	–	4	2	0	2-3	–	1	*	cbc	bcbbc	bcbwx	bbcxm$_o$
19	Birr Castle ...	1029·4	−4	SE	1	bc	55	65	7	–	3	4	0	4-6	–	1027·3	−6	SSE	1	bc	54	65	7	–	–	5	0	4-6	–	1	*	bc	bc	bcb	boff
20	Valentia Obsy. †	1028·3	−6	WNW	2	c	53	65	8	–	–	6	0	9+	–	1027·0	−2	W	1	b	50	65	8	–	–	1	0	Tr	–	0	2	bxbcc	cbcb	bmwbcc	c
	Roches Point	1030·1	*	ESE	3	bc	48	85	8	2	–	5	2-3	4-6	2500	1028·6	*	ES	3	m	44	97	4	5	–	–	9+	9+	800	1	2	ocbc	bcam	cmc	cmec

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).
⊕, Solar halo. ⏀ lunar halo. ⁄ gale.
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.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 . . Ground covered with thawing snow.
7 . . „ 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.

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.

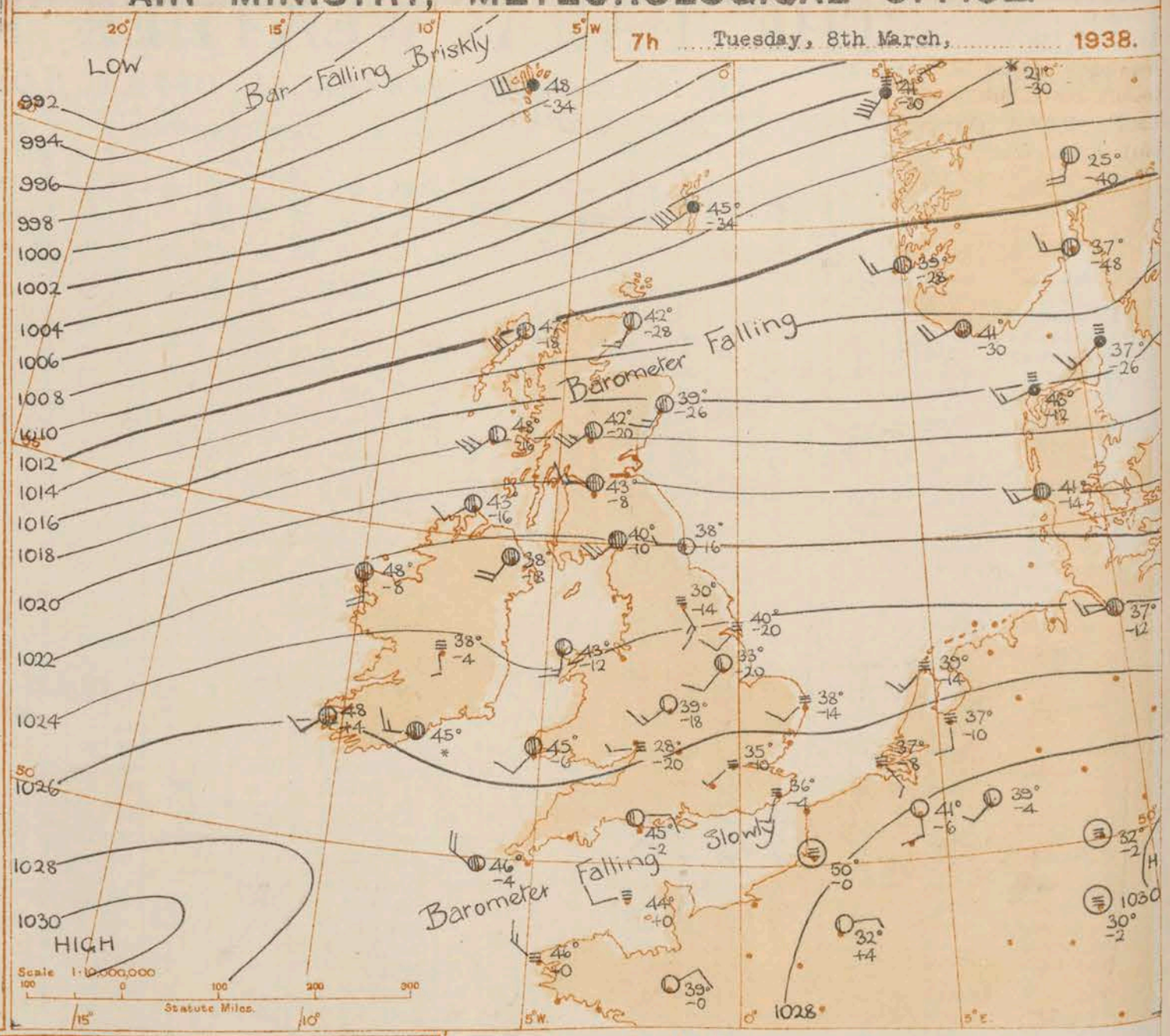
† Sea disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 7th March 1938.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F.) Min. 9h. 6th to 9h. 7th.	Temperature. (°F.) Max. 9h.—17h. 7th.	Rainfall. (mm.) Night. 17h. 6th to 9h. 7th.	Rainfall. (mm.) Day. 9h.—17h. 7th.	Sunshine. (Hrs.) Sunrise to 17h. 7th.	Sunshine. (Hrs.) Sunrise to Sunset. 6th.
1	Tunbridge W.	b	bm	27	58	-	-	7·8	9·6
	Bournemouth	bcbc	bbcbc	31	57	-	-	6·1	9·6
	Ventnor ...	xbz	bbcz	43	56	-	-	8·7	10·2
	Southsea ...	bfb	bbc	32	57	-	-	6·9	9·1
	Bognor Regis	bcbc	bcbc	32	54	-	-	8·9	9·4
	Littlehampton	bc	bc	31	55	-	-	8·7	9·8
	Worthing ...	b	bbcb	32	55	-	-	8·9	9·9
	Brighton ...	b	bc	33	53	-	-	8·3	9·6
	Eastbourne† ...	b	bbc	33	53	-	-	8·3	10·1
	Hastings† ...	b	bbcbc	39	53	-	-	8·6	9·8
	Folkestone ...	bmb	bbcm	34	55	-	-	6·9	8·7
	Dover ...	mb	bbcm	35	54	-	-	7·1	9·4
	Deal	mbmb	bm	34	49	-	-	6·6	9·2
	Ramsgate ...	mbc	bc	41	48	-	-	7·2	9·3
	Margate ...	bc	bc	40	48	-	-	8·2	9·4
2	Southend ...	bm	b	37	55	Trace	-	7·9	8·3
	Clacton-on-Sea	bm	bbcm	36	50	-	-	7·3	9·5
	Dovercourt ...	xbm	bcm	39	55	-	-	7·7	9·6
	Lowestoft ...	bfb	b F	34	52	-	-	8·2	9·0
	Skegness ...	mo	ocbc	34	51	-	-	2·2	7·8
	Mablethorpe...	om.c	cbc	34	50	-	-	0·1	7·9
	Cleethorpes ...	cm	c	39	53	-	-	0·0	7·9
3	Leamington S.	ofcbc	bc	29	58	-	-	5·7	8·5
4	Cheltenham†	omcbc	bcbm.	30	55	-	-	5·6	9·0
5	Bath	mc	cbc	28	52	-	-	1·7	10·3
	Weymouth ...	cmb	cb	31	52	-	-	4·0	9·5
	Jersey ...	bc	bc	42	63	-	-	9·2	10·5
	Torquay ...	wbfm	bbcz.	31	53	-	-	7·6	9·8
	Falmouth	b	b	37	54	-	-	9·2	7·2
	Penzance ...	b	b	41	56	-	-	9·1	9·4
	St. Ives ...	b	b	49	58	-	-	8·8	10·0
	Bude... ...	mb	mb	32	63	-	-	7·4	8·4
	Ilfracombe ...	cbcz	bcz	34	48	-	-	7·4	8·3
6	Aberystwyth	xzbc	bbc	30	48	-	-	8·2	1·3
7	Llandudno ...	c	bcbz.	43	53	-	-	3·8	0·0
	Colwyn Bay...	o	obcbc	45	51	-	-	3·5	·3
	Rhyl	cm.	cbcz.	41	53	-	-	2·4	0·0
8	Wallasey ...	ogc	cbc	44	47	-	-	2·9	0·1
	Southport ...	omo	ocbz	44	52	-	-	2·3	0·0
	Blackpool ...	ofom	omb	45	50	-	-	0·5	0·0
	Morecambe ...	c	c	43	48	-	-	0·0	0·0
9	Ilkley... ...	cb	cb	38	54	-	-	2·2	6·6
	Harrogate ...	c	c	40	55	-	-	1·4	8·7
10	Berwick-on-T.	bcbbc	bc~~oc~~	46	54	Trace	-	7·5	0·0
11	Dunbar ...	bcm.	bcm.	45	52	-	-	1·7	0·0
12	Troon... ...	coc	cbcb	43	49	0·5	-	0·9	0·0
	Douglas ...	bcw	bc	46	48	-	-	0·0	0·0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Wind southwest, light or moderate; fair; mild by day, frost at night; fog locally at night.
7 North Wales ... 8 N.W. England	Wind west, moderate or fresh; fair, mild by day, ground frost at night.
9 N. Midlands ...	As 1 - 6.
10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	As 7 - 8.
13 {A. W. Scotld. B.N.W.Scotland.} 14 Mid Scotland 15 N. E. Scotland	Wind southwest to west, fresh or strong; fair; mild.
16 Orkney and Shetland ▼	Wind southwest, strong to gale; occasional rain; mild.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 7 - 8.

H.M. Stationery Office Press, Kingsway W.C.2

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.

An anticyclone over France is decreasing in intensity and depressions to the north of the British Isles are extending their influence southwards. Weather will remain fair with mild days, but frost at night in the South. In the North conditions will become more unsettled.

FURTHER OUTLOOK.

Fair in the South, mild by day, but frost at night. Mild but unsettled in Scotland.

TIME OF ISSUE OF GALE WARNINGS.

▼ South Cone hoisted at 0150 on 8th in part of district 16.

Forecasts issued at 1030 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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.

Morning of

TUESDAY, 8TH MARCH,

1938.

Clarke's Projection Scale 1·4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 8th March, 1938.
No. 27865.

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

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	1028·9	-6	S'W	1	Z_o	41	92	5	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1029·4	-6	SE	2	m	44	85	4	-	-	-	0	0	-
	Manston ...	142	1029·4	-4	SE	2	Z_o	40	97	5	-	-	-	0	0	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1029·5	-8	SE'S	2	f	42	85	0	-	-	-	10	10	< 150
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1027·5	-6	E	2	b	45	92	6	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1027·7	-6	NEE	2	b	45	92	7	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1027·6	-6	WNW	3	0	47	97	5	5	-	-	10	10	1500
	Guernsey ..	175	1027·8	-4	ESE	1	b	48	65	7	-	-	-	0	0	-
6	Pembroke ...	142	1027·2	-4	ESE	3	Z_o	42	92	5	-	-	-	0	0	-
7	Holyhead ...	26	1027·0	-4	SE'S	1	m	37	97	4	-	-	-	0	0	-
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1027·6	-12	S'W	3	m	41	97	4	-	-	-	0	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1025·5	-12	SW	2	bc	43	92	5	5	-	-	4·6	4·6	800
11	St Abbs Head ..	280	1024·5	-18	WSW	1	b	41	75	7	-	1	-	0	Tr	-
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1026·1	-14	~~NNE~~ SSW	2	b	43	97	6	-	-	-	0	0	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1018·5	-20	SSW	5	c	46	85	7	5	7	-	7·8	10	1500
16	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1020·0	-16	SW	3	c	39	85	8	5	7	-	4·6	7·8	1500
16	Lerwick ...	156	1015·6	-28	SW	6	c/d	45	92	7	8	2	-	7·8	10	800
17	Blacksod Point	18	1024·8	-4	S	4	c	47	85	7	5	-	-	10	10	800
18	Malin Head ...	84	1023·8	-10	SWW	3	bc	44	97	6	4	-	-	4·6	4·6	800
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1027·1	0	SW	2	0	46	97	6	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1026·7	-10	WSW	1	F	32	97	1	-	-	-	10	10	<150	1	*
1026·9	-10	SW	1	bF-	35	97	3	-	-	1	0	1	-	1	*
1027·0	-8	-	0	F	27	97	0	-	-	-	10	10	<150	3	*
1027·6	-2	-	0	F	25	97	1	5	-	-	10	10	<150	3	*
1026·8	-2	NW	2	F+	31	97	0	-	-	-	10	10	<150	1	0
1027·5	-4	S'W	1	bF+	36	97	1	-	-	1	0	Tr	-	0	0
1026·9	-6	S'W	1	cF	37	97	1	5	-	-	9	9	800	1	*
1026·7	-8	-	0	F	30	97	1	-	-	-	10	10	<150	1	*
1026·7	-8	WSW	1	F	36	97	0	-	-	-	10	10	<150	1	1
1025·8	-14	SW'S	2	F-	38	92	1	-	-	-	10	10	<150	1	1
1025·9	-10	S	2	bcF	29	97	1	-	-	1	0	2·3	-	3	*
1024·9	-20	SSW	2	bc/F	33	97	5	-	4	1	0	4·6	-	1	*
1025·0	-18	SW	3	b	39	92	6	-	-	1	0	1	-	0	*
1027·0	-16	S	1	F	29	97	1	-	-	-	10	10	<150	1	*
1025·6	-20	W	1	F	28	97	1	-	-	-	10	10	<150	0	*
1026·2	-8	-	0	bF-	24	92	2	-	-	-	0	0	-	3	*
1025·8	-2	E	2	bc	45	92	6	4	-	-	2·3	2·3	2500	1	2
1026·8	0	-	0	m	37	85	4	-	-	-	0	0	-	1	0
1027·0	+2	NW'W	2	c	44	92	7	4	2	-	9+	10	1500	1	1
1026·8	-4	WNW	4	c	46	92	7	5	-	-	7·8	7·8	1500	0	2
1027·0	0	W'S	2	F	44	97	3	-	-	-	10	10	<150	1	1
1025·2	-6	SSW	2	Z_o	45	97	5	5	-	-	9+	9+	1500	1	1
1023·9	-12	S'W	3	F	43	92	7	-	-	8	0	7·8	-	0	1
1024·8	-20	SSE	1	F	30	97	1	-	-	-	10	10	<150	0	*
1024·8	-16	-	0	F	39	97	0	-	-	-	10	10	<150	1	*
1024·0	-20	SSW	2	bcf	40	97	3	-	-	8	0	4·6	-	1	1
1023·1	-14	S'E	3	F	30	97	1	-	-	-	10	10	<150	1	*
1021·7	-16	W	1	bc	38	92	5	5	-	-	4·6	4·6	1500	1	1
1018·8	-20	WSW	5	bc	38	92	8	4	6	2	2·3	4·6	2500	0	2
1018·8	-16	WSW	4	c	43	92	6	5	7	2	4·6	9+	1500	0	*
1020·6	-8	W	3	Z_o	43	92	5	5	-	-	10	10	1500	1	*
1022·2	-10	SW	5	o	40	97	6	5	-	-	10	10	450	1	*
1023·0	-14	-	0	bc	39	97	7	-	5	5	0	4·6	-	1	1
1017·7	-16	SW'W	6	c	48	85	7	5	-	-	9+	9+	1500	0	3
1012·3	-18	SW	6	c/pr	47	92	7	5	7	-	7·8	10	1500	1	3
1018·1	-20	SW	5	c	42	85	7	4	5	-	4·6	10	2500	0	*
1015·4	-26	SSW	3	c	39	85	6	5	-	6	7·8	9	4000	1	1
1013·2	-28	SSW	3	c	42	92	7	5	7	-	9	10	1500	1	1
1008·6	-34	SW	8	rr	45	92	6	6	2	-	7·8	10	800	1	*
1022·2	-8	S	4	c	48	75	7	9	-	-	10	10	800	0	3
1019·4	-16	SW	2	Z_o	43	97	6	5	-	-	4·6	7·8	800	0	2
1022·7	-8	SW'S	4	Z_o	38	92	5	5	-	-	10	10	800	1	*
1024·7	-4	S	1	of	38	97	3	5	-	-	10	10	2500	1	*
1026·0	+4	SW	2	c	48	85	7	5	-	-	10	10	1500	1	2
1025·8	*	W	3	c	45	92	.7	5	-	-	10	10	1500	1	2

PAST 24 HOURS.

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 7th Hrs. (36)
53	31	26	Tr	Tr	2·9
57	35	30	-	-	5·2
60	22	21	-	Tr	7·3
56	24	24	-	-	6·7
51	31	29	-	Tr	7·8
53	36	27	-	-	7·5
53	36	26	-	-	7·1
52	28	25	-	-	7·5
53	28	24	-	-	8·1
50	36	35	-	-	5·7
58	27	25	Tr	Tr	7·7
57	33	25	-	Tr	7·7
54	33	24	-	-	6·0
58	28	25	-	-	*
52	28	21	-	-	3·3
51	23	21	-	-	1·1
48	42	*	-	-	*
59	36	30	-	Tr	7·7
52	42	*	-	Tr	8·7
53	44	*	-	Tr	8·7
55	41	35	-	-	7·5
51	40	*	-	Tr	7·2
50	35	31	-	0·1	3·8
56	29	28	-	-	3·9
55	33	31	-	-	3·2
51	39	*	-	Tr	0·0
57	30	29	-	-	2·8
55	38	32	-	-	1·4
55	36	*	-	-	*
54	38	30	-	-	7·6
49	41	38	Tr	-	0·1
48	39	38	-	-	0·1
49	33	*	-	-	0·0
49	36	35	-	-	0·0
49	45	*	Tr	0·1	0·1
48	31	21	-	-	1·8
57	35	27	0·1	-	3·6
55	38	*	Tr	-	*
48	43	*	1	1	0·0
53	43	*	-	-	*
52	40	*	-	-	6·5
57	31	26	-	Tr	8·3
60	32	*	-	-	9·3
58	41	34	Tr	Tr	8·9
49	43	*	-	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	xbff	bff	bffc	53	31	26	Tr	Tr	2·9	*	*	0
Croydon	217	bccfmzφ	cz_o	bcbfmw	57	35	30	-	-	5·2	*	*	0
Greenwich (Royal Observatory)...	149	bz_o	bez_oy	bxmfF	56	32	22	-	Tr	5·1	59	92	1
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	3·0	*	*	*
Westminster (St James' Park) ...	27	*	*	*	57	33	31	–	-	2·4	58	100	*
Regents Pk. (Botanic Gardens)‡ ...	168	*	*	*	57	34	25	–	-	1·4	58	100	*
Camden Square	110	b	bo	*	56	35	24	–	-	*	98	*	*
Kensington	80	bz	bz	*	57	34	25	–	-	1·8	At 18h. 73	96	*
Hampstead Observatory	450	bc	bc	bcm	54	34	28	–	-	4·0	*	95	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 8th

South Kensington.

Max.	Time.	Min.	Time.
1·0	19-23h 7th.	0·6	6-7h 8th.

Kew Observatory.

Max.	Time.	Min.	Time.
1·1	22h. 7th.	0·3	6h. 8th.

FOREIGN OBSERVATIONS.

18h G.M.T. 7th March

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1028·3	-	0	bc	61
Brussels	1029·9	*	*	c	50
Berlin	1024·6	NNW	4	c	46
Zurich	1028·4	ESE	1	b	54
Rome	1024·3	W	3	b	54

7h. G.M.T. 8th March

Barom mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1028·5	E	1	Z_o	32
1027·8	S	2	b	41
1025·0	WNW	4	c	39
1028·7	NNE	1	m	34
1025·3	NE	3	b	39

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
*	32.	*	-
55	39	-	-
48	37	-	-
64	34	-	-
*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S. Director.

† The observations are from Valentia W/T Station.

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 9th March, 1938.
No. 27866.

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

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. (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)	1024·0	−18	SW'S	2	m	52	75	4	–	–	1	0	4–6	–
	Croydon ...	1024·3	−20	SW	3	b/f	61	55	6	–	–	1	0	1	–
	S. Farnborough	1023·9	−22	SW'W	3	z_o	62	35	6	–	–	1	0	1	–
	Boscombe Down	1024·0	−26	S	2	z_o	58	55	5	–	–	4	0	1	–
	Calshot (Sthmtn.)	1025·1	−10	SSE	2	m/f	50	75	4	–	–	–	0	0	–
	Lympne ...	1025·2	−14	SSW	2	z_o	54	65	5	–	–	4	0	1	–
	Manston ...	1024·3	−14	SSW	1	z_o	60	55	5	–	–	5	0	2–3	–
2	Shoeburyness ...	1024·0	−20	SWW	3	z_o	55	75	5	–	–	4	0	2–3	–
	Felixstowe ...	1023·7	−26	SSW	2	z_o	55	65	5	–	–	6	0	4–6	–
	Gorleston ...	1022·4	−20	SSW	3	bc	57	65	5	5	–	8	2–3	4–6	2500
	Mildenhall ...	1022·8	−22	WSW	3	z_o	61	45	5	–	–	2	0	4–6	–
	Cranwell ...	1021·6	−28	SW	4	z_o	58	45	5	–	–	3	0	2–3	–
3	Birmingham ...	1022·2	−20	WSW	3	b	58	35	6	–	–	1	0	1	–
	Upper Heyford	1023·7	−24	SW'S	3	z_o	58	45	6	–	–	1	0	2–3	–
4	Ross-on-Wye	1022·7	−26	SW'W	2	z_o	59	45	5	–	–	1	0	1	–
5	Bristol ...	1024·7	−12	WSW	3	z_o	53	75	6	–	–	1	0	2–3	–
	Portland Bill ...	1024·2	−16	E	2	bf	49	85	3	–	–	–	0	0	–
	Plymouth ...	1026·0	−10	NWW	2	z_o	50	75	6	5	–	–	9+	9+	1500
	The Lizard ...	1026·5	−4	WNW	4	o	49	85	7	8	2	–	9	10	1500
	Scilly (St. Mary's,	1027·4	−2	WNW	4	c	49	85	7	5	–	–	10	10	2500
	Guernsey ...	1026·4	−4	W	3	z_o	52	85	5	1	–	–	Tr	Tr	2500
6	Pembroke ...	1024·9	−4	W	3	c	46	86	7	5	2	–	7–8	9+	2500
7	Holyhead ...	1022·8	−6	SW	4	o	46	85	6	5	4	–	10	10	800
	Chester (Sealand)	1022·1	−20	–	0	z_o	59	56	5	–	–	–	0	0	–
8	Manchester ...	1022·1	−22	WSW	2	m/f	55	56	4	–	–	–	0	0	–
10	Spurn Head ...	1021·0	−24	SW'W	3	bcf	57	55	3	–	–	8	0	4–6	–
	Catterick ...	1017·9	−36	W'S	7	z_o	56	55	6	–	–	9	0	4–6	–
	Tynemouth ...	1017·4	−20	SW	4	bc	58	65	5	2	7	–	4–6	4–6	1500
11	St. Abbs Head	1016·0	−14	WNW	2	c	49	75	6	5	7	–	7–8	10	2500
	Leuchars ...	1014·7	−18	WSW	4	c	49	75	7	–	7	–	0	9+	–
12	Renfrew (Abbotsl.)	1018·5	−10	W'S	3	c	47	75	7	5	–	–	10	10	1500
	Eskdalemuir ...	1018·6	−20	SW'S	5	z_o	44	85	5	5	–	–	10	10	450
	Point of Ayre...	1021·2	−10	W'N	4	c	47	85	7	5	1	–	4–6	10	1500
13A	Tiree	1014·6	−14	SW'W	6	o	48	97	6	5	–	–	10	10	800
13B	Stornoway ...	1007·8	−24	WSW	8	$r_o r_o$	50	85	6	5	2	–	9	10	1500
15	Dalwhinnie ...	1014·5	−20	SW	6	rr	48	92	7	5	1	–	4–6	10	2500
	Aberdeen ...	1011·3	−20	SW	3	c	52	55	6	–	7	–	0	9+	–
	Wick ...	1007·9	−22	WSW	6	c	51	75	8	8	9	–	7–8	9+	1500
16	Lerwick ...	1001·2	−36	SW	8	rr	46	92	6	6	2	–	7–8	10	800
17	Blacksod Point	1021·4	−12	SW	4	c	49	85	7	5	–	–	10	10	450
18	Malin Head ...	1017·8	−18	SW	4	c	49	97	7	8	–	9	9+	9+	800
	Aldergrove ...	1020·8	−14	WSW	8	c	47	85	6	5	–	–	9+	9+	1500
19	Birr Castle ...	1024·0	−6	SW	1	c	47	86	8	5	–	–	10	10	2500
20	Valentia Obsy. †	1026·0	0	W'S	3	c	50	75	8	5	–	–	10	10	2500
	Roches Point	1025·1	*	W	3	c	50	75	8	5	–	–	10	10	1500

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°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)	1021·1	−12	SSW	2	z_o	54	75	5	–	–	–	0	0	–	0	*
	Croydon ...	1021·8	−12	S'W	3	z_o	54	75	5	–	–	–	0	0	–	1	*
	S. Farnborough	1021·5	−10	SW'S	3	z_o	52	65	5	–	–	–	0	0	–	0	*
	Boscombe Down	1022·6	−2	NW'W	3	z_o	47	85	6	–	–	–	0	0	–	0	*
	Calshot (Sthmtn.)	1022·5	−10	SW'S	3	m	47	85	4	–	–	–	0	0	–	1	2
	Lympne ...	1022·8	−12	SSW	2	z_o	47	75	6	–	–	1	0	Tr	–	0	0
	Manston ...	1021·6	−14	S'W	2	b	50	55	6	–	–	1	0	Tr	–	0	*
2	Shoeburyness ...	1021·5	−10	S'W	2	z_o	53	65	5	–	–	1	0	Tr	–	1	*
	Felixstowe ...	1020·8	−14	SSW	2	m	48	85	4	–	–	1	0	2–3	–	1	1
	Gorleston ...	1019·2	−12	S	2	bc	58	45	6	–	4	1	0	4–6	–	0	2
	Mildenhall ...	1019·7	−14	SW'S	3	z_o	55	55	6	–	–	6	0	4–6	–	1	*
	Cranwell ...	1019·1	−10	SW'S	3	m	50	75	4	–	–	4	0	2–3	–	1	*
3	Birmingham ...	1021·1	−10	WSW	2	z_o	51	75	5	–	–	1	0	4–6	–	0	*
	Upper Heyford	1021·7	−2	W'S	3	z_o	48	75	6	–	–	5	0	Tr	–	1	*
4	Ross-on-Wye	1021·8	−6	SW	2	z_o	47	75	6	–	–	1	0	Tr	–	0	*
5	Bristol ...	1023·2	−8	W	4	c	45	85	7	5	–	–	7–8	7–8	2500	0	*
	Portland Bill ...	1023·3	−6	NW	3	bc	46	85	7	4	–	–	2–3	2–3	2500	1	2
	Plymouth ...	1025·2	−2	W'N	3	z_o	47	85	6	5	–	–	9+	9+	1500	1	1
	The Lizard ...	1026·3	−2	NNW	4	c	47	85	8	8	2	–	9	10	2500	1	2
	Scilly (St. Mary's,	1026·3	−4	NW'W	5	c	48	75	7	5	–	–	10	10	2500	0	2
	Guernsey ...	1026·3	−2	W	3	c	47	85	7	–	2	–	0	10	–	0	1
6	Pembroke ...	1023·0	−4	W	3	z_o	46	92	6	5	2	–	7–8	10	2500	1	2
7	Holyhead ...	1021·6	−10	SSW	3	c	43	92	6	5	–	1	7–8	9+	1500	0	1
	Chester (Sealand)	1021·3	−6	NW'N	3	z_o	45	92	5	5	7	–	Tr	4–6	2500	0	*
8	Manchester ...	1021·1	−4	WNW	3	z_o	45	92	5	5	–	–	10	10	800	0	*
10	Spurn Head ...	1018·8	−20	WSW	3	cf	51	75	3	–	–	7	0	10	–	0	1
	Catterick ...	1017·8	+2	SE	1	z_o	44	85	6	8	4	3	4–6	9	1500	1	*
	Tynemouth ...	1016·5	+2	SW	3	c	47	85	6	6	–	–	9	9	800	0	1
11	St. Abbs Head	1014·1	−6	W	4	c	48	75	7	5	7	–	7–8	9+	2500	0	2
	Leuchars ...	1014·8	−6	WSW	4	z_o	46	85	6	5	7	–	7–8	9+	1500	0	*
12	Renfrew (Abbotsl.)	1014·8	−18	W'S	6	c/d	48	85	6	5	–	1	9+	9+	1500	1	*
	Eskdalemuir ...	1017·0	−2	S'W	5	id.	43	92	6	5	–	–	10	10	800	1	*
	Point of Ayre...	1015·2	−4	W	4	c	46	92	7	5	–	–	9+	9+	1500	0	2
13A	Tiree	1012·7	−10	SW'W	6	o	50	92	6	5	–	–	10	10	800	1	4
13B	Stornoway ...	1007·0	−2	W	7	$r_o r_o$	50	92	6	8	8	–	7–8	9+	1500	1	4
15	Dalwhinnie ...	1011·6	−10	S	3	c	46	85	7	5	6	–	4–6	10	2500	1	*
	Aberdeen ...	1009·2	−6	SW'W	4	bc	51	65	6	5	4	3	1	4–6	2500	0	1
	Wick ...	1004·8	−6	WSW	6	c	51	85	8	5	7	–	7–8	9+	1500	1	3
16	Lerwick ...	999·9	−10	WSW	8	c/r	48	92	7	8	2	–	7–8	10	800	1	*
17	Blacksod Point	1013·8	−10	SW	4	id.	50	92	7	6	–	–	10	10	450	1	3
18	Malin Head ...	1015·4	−16	W	5	c/br	48	92	7	8	9	–	4–6	7–8	2500	0	3
	Aldergrove ...	1013·2	−2	W'S	4	c/d	49	85	6	5	2	–	7–8	10	1500	1	*
19	Birr Castle ...	1022·2	−2	W	2	c	49	85	8	5	–	–	10	10	2500	1	*
20	Valentia Obsy. †	1025·1	−2	SW'W	3	id.	49	92	6	5	–	–	10	10	450	0	3
	Roches Point	1024·1	•	W	2	bc	51	85	8	5	–	1	2–3	2–3	2500	1	2

PAST 24 HOURS.

Weather. 7h.–13h. (37)	13h.–18h. (38)	18h. 8th to 1h. 9th (39)	1h.–7h. 9th (40)
XFebcm	bcmbz$_o$	bz$_o$ybm$_o$	bm$_o$W
beFF?	bz$_o$y	bm$_o$Wc	cbm$_o$W
oFbezy	byz$_o$	bcm$_o$	cbm$_o$x
oFFbz$_o$	bz$_o$bm$_o$	bm$_o$cm$_o$	cm$_o$cbc
oFxbffm	bmm$_o$	bm$_o$bw,c	c
Fbz$_o$	bz$_o$y	bmFF	Ffom$_o$
cffbm	bmoz$_o$y	bybcm$_o$	bccm$_o$W
oFbfm$_o$	bz$_o$	bz$_o$W	bz$_o$bcW
oFeff	bcm$_o$bm$_o$	bm	bmbcm
bcfmz	bcz$_o$y	bcbmz	bbcz$_o$
bF,bcz$_o$y	bcz$_o$by	bcz$_o$bw,c	cbcwm$_o$
Ffbcm$_o$	bz$_o$ybcm	bcmcm$_o$	cm$_o$
b	b	bbc	bcprc
bFmm$_o$	bz$_o$y	bbccm$_o$	cbcm$_o$
FFbcmbz	byz$_o$	bm$_o$	bmwbm
bfxbc	bczc	cbc	bcpr$_o$
bff	fbc	c	cbc
b,cmm$_o$	cm$_o$	cz$_o$	cm$_o$
c	c	c	c
c	c	c	c
fbz	bzbcc	co	cw
cm$_o$c	cm$_o$c	c	d,ifqc
cfo	cm$_o$c	com$_o$c	cd$_o$c
ofbeF,bz$_o$	bzoybcm$_o$	bcwcz$_o$	c
offbz	bzcz$_o$m$_o$	cm$_o$	cm$_o$
Ffc	ffmcf	ffmc	cq
fcm$_o$y	cm$_o$bcm$_o$	ccm$_o$	cm$_o$c
bcffbc	bcc	c	cbccq
cm$_o$	c	cq	bcqc
cm$_o$wc	ccz$_o$	cz$_o$bcq	bcr$_o$bc
cm$_o$c	cm$_o$id$_o$	cz$_o$id$_o$m$_o$	cm$_o$id$_o$r$_o$
cz$_o$	ccid$_o$	cid$_o$r$_o$	r$_o$r$_o$ir$_o$
bcc	c	c	cirr
cid$_o$o	oi$_o$do	od$_o$	odrr
cr$_o$r$_o$	crrm$_o$	cr$_o$r$_o$	cr$_o$r$_o$
crr	crr	*	cir
cz$_o$	cz$_o$y	bcz$_o$qc	ccid$_o$
cq	cq	cid$_o$c	c
crrm$_o$	crric	cirbc	cpr
c	id$_o$c	id$_o$	irc
c	c	cpr$_o$cid$_o$	cprc
offm$_o$	cd$_o$m$_o$c	cm$_o$c	c
offc	c	co	oid
c	cpid$_o$	DDdd	odd
c	cbc	bcc	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).
⊕, Solar halo. ☾ lunar halo. ⸗ gale.
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 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).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. ,, 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.

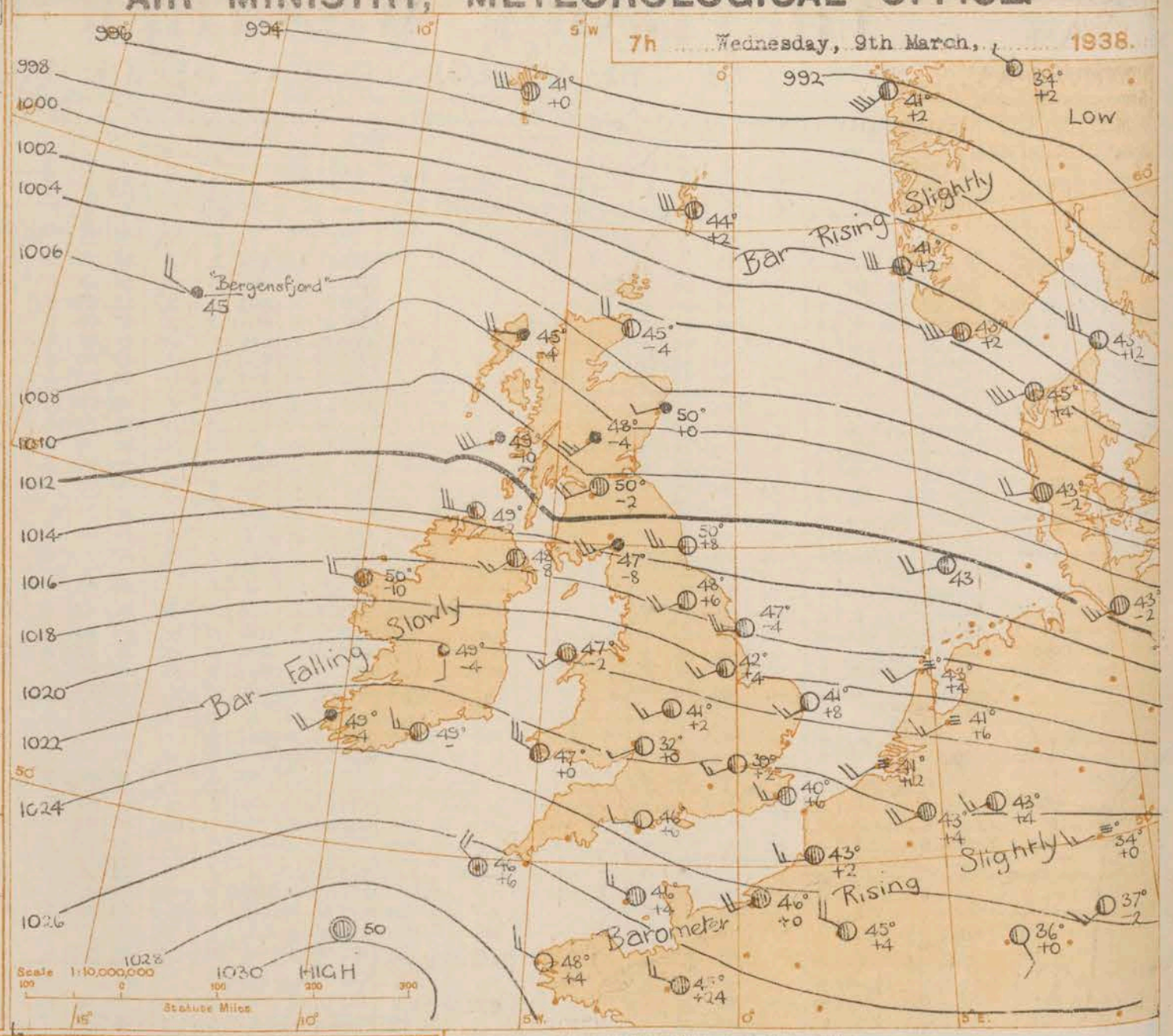
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 8th March. 1938.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 7th to 9h. 8th.	Temperature (°F.) Max. 9h.—17h. 8th.	Rainfall (mm.) Night. 17h. 7th to 9h. 8th.	Rainfall (mm.) Day. 9h.—17h. 8th.	Sunshine (Hrs.) Sunrise to 17h. 8th.	Sunshine (Hrs.) Sunrise to Sunset. 7th.
1	Tunbridge W.	b	b	26	65	—	—	9.3	7.8
	Bournemouth	fb	b	29	59	—	—	7.6	6.2
	Ventnor ...	bm	bm		56	—	—	8.9	8.7
	Southsea ...	bFb	b	33	55	—	—	7.7	6.9
	Bognor Regis	fbc	bcbf	33	50	—	—	8.1	8.3
	Littlehampton	b	bm	30	51	—	—	8.3	8.7
	Worthing ...	bmbc	bm	33	50	—	—	8.3	8.3
	Brighton ...	bc	cb	36	47	—	—	7.5	8.3
	Eastbourne† ...	fb	b	31	52	Trace	—	7.7	8.3
	Hastings† ...	bfb	b	36	52	Trace	—	9.2	8.6
	Folkestone ...	b	b	36	52	—	—	8.5	6.9
	Dover ...	fb	fb	35	51	—	—	9.0	7.1
	Deal	mb	b	31	61	—	—	8.7	6.6
	Ramsgate ...	bc	bc	42	62	—	—	8.6	7.2
	Margate ...	bc	bc	39	63	—	—	9.1	8.2
2	Southend ...	f	b	32	64	Trace	—	6.7	7.9
	Clacton-on-Sea	bfm	bmfm	32	51	Trace	—	6.2	7.3
	Dovercourt ...	f	bm	35	61	—	—	6.8	7.7
	Lowestoft ...	bfb	b	36	63	—	—	9.1	8.2
	Skegness ...	ofbcb	bbm	34	55	Trace	—	3.0	2.2
	Mablethorpe...	ofebc	by	33	63	Trace	—	6.5	0.1
	Cleethorpes ...	bcm	bcc	37	62	—	—	6.9	0.1
3	Leamington S.	fcbc	bc	29	60	—	—	5.8	5.7
4	Cheltenham†	xbfb	b	29	61	—	—	8.2	5.6
5	Bath	b	bbcc	29	54	—	—	7.9	1.9
	Weymouth ...	b	b	33	52	—	—	9.1	4.1
	Jersey ...	bfg	g	45	51	—	—	0.9	3.2
	Torquay ...	bbzb	bbcz	33	54	—	—	9.5	7.6
	Falmouth	c	c	36	51	—	—	0.3	3.7
	Penzance ...	c	c	41	50	—	—	0.0	9.5
	St. Ives ...	o	o	46	58	—	—	0.0	8.8
	Bude... ...	o	o	31	43	—	—	0.0	7.4
	Ilfracombe ...	bcco	oco	37	50	—	—	0.2	7.4
6	Aberystwyth	zbcc	od	36	47	—	Trace	4.0	8.5
7	Llandudno ...	b	bbc	34	51	—	—	8.2	3.3
	Colwyn Bay...	zbcb	bhc	35	56	—	—	8.1	3.5
	Rhyl	mb	bmc	33	54	—	—	8.0	2.4
8	Wallasey ...	fbc	bcc	34	52	—	—	6.7	2.9
	Southport ...	febcb	comco	32	50	Trace	—	2.7	2.3
	Blackpool ...	ofebm	ofom	38	48	Trace	—	1.6	0.5
	Morecambe ...	fcmbc	mbcc	34	45	Trace	Trace	0.3	0.0
9	Ilkley... ...	bcb	bbco	30	56	—	—	5.7	2.2
	Harrogate ...	cb	bbcc	38	57	—	—	7.6	1.2
10	Berwick on-T.	bcc	cm	39	48	—	—	1.2	7.5
11	Dunbar ...	cm	cm	34	48	—	—	0.4	1.7
12	Troon... ...	ccoc	cocc	37	46	0.3	—	0.0	1.6
	Douglas ...	bcfw	bc	39	47	—	—	1.4	0.0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 9th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Wind west to southwest, moderate; fair; mild; local morning mist or fog.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Fresh west to southwest winds; occasional slight rain; mild.
13 A. W. Scotld B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Fresh to strong southwest winds; occasional rain; mild.
17 N. W. Ireland 18 N. E Ireland	As 8 - 12.
19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh west or southwest winds; fair apart from coastal fog or drizzle; mild.

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.

Barometric pressure is high to the Southwest and low to the North of the British Isles. In the south, weather will continue fair and mild. Conditions in the north will be mild and unsettled with occasional rain.

FURTHER OUTLOOK.

Fair and mild in the South; unsettled in the North.

Forecasts issued at 1015 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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.

Morning of

WEDNESDAY, 9TH MARCH,

1938.

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 35° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 9th March, 1938.
No. 27866.

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

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	1022·5	-2	W	3	z_o	42	92	6	5	-	-	2·3	2·3	1500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Stn.tn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	340	1022·6	-6	WSW	2	F+	38	97	1	-	-	-	10	10	<150
	Manston ...	142	1021·5	0	SW'S	3	z_o	40	92	6	-	7	-	0	~~3~~	- -
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1018·9	-4	WSW	2	b	45	75	5	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1023·3	-8	NW	3	c	46	85	7	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1026·2	-4	WNW	4	c	46	85	8	5	2	-	9	10	2500
	Scilly (St. Mary's)	163	1026·3	-8	NW'N	4	c	47	75	8	5	-	-	7·8	7·8	2500
	Guernsey ...	175	1026·0	-4	W'N	2	o	47	75	7	5	-	-	10	10	2500
6	Pembroke ...	142	1022·8	-4	W'N	4	c	46	97	7	5	-	-	9+	9+	2500
7	Holyhead ...	26	1020·6	-10	SW'W	3	c	47	92	7	5	3	6	4·6	9+	2500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017·5	-2	W'S	4	bc	44	92	6	-	2	-	0	4·6	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1013·2	-18	W	3	c	50	85	7	5	-	-	7·8	7·8	1500
11	St Abbs Head ...	280	1010·9	-10	WSW	8	c	49	85	8	8	1	-	4·6	7·8	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	90	1017·5	-4	WN	6	c	48	92	7	5	-	-	9	9	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1007·2	+4	WSW	5	c	47	85	7	5	2	-	7·8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1004·6	+2	W	3	c	47	75	7	5	1	-	4·6	7·8	1500
16	Lerwick ...	156	9989	+2	WSW	7	bc	45	75	8	5	-	-	4·6	4·6	1500
17	Blacksod Point	18	1019·2	-2	S	4	c	50	92	7	9	-	-	10	10	800
18	Malin Head ...	84	1014·9	-6	SW	4	$d_o d_o$	49	92	7	5	-	-	10	10	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1024·3	0	SW'W	2	dd	49	97	6	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind Direc. (17)	Wind Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud Form. Low (23)	Cloud Form. Med. (24)	Cloud Form. High (25)	Cloud Amount. Low 0–10 (26)	Cloud Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
London (Kew)	1022·3	+4	SW	3	z_o	38	92	5	-	7	1	0	2·3	-	1	*
Croydon ...	1022·6	+2	WSW	3	z_o	39	97	6	-	4	5	0	2·3	-	1	*
S. Farnborough	1022·5	+4	WSW	2	z_o	35	97	6	-	-	1	0	1	-	3	*
Boscombe Down	1022·9	+4	W'N	2	bc	44	92	7	5	4	5	1	2·3	2500	0	*
Calshot (Stn.tn.)	1023·4	+4	WSW	2	c	45	85	7	5	-	-	10	10	1500	1	0
Lympne ...	1022·8	+6	W	3	z_o	40	85	6	5	-	-	9+	9+	1500	0	§1
Manston ...	1021·8	0	WSW	3	z_o	36	97	6	5	7	-	4·6	9+	1500	~~10~~	*
Shoeburyness ...	1021·9	+2	WSW	2	z_o	40	92	6	-	3	9	0	2·3	-	1	*
Felixstowe ...	1020·6	0	SW'W	3	z_o	39	55	6	-	3	9	0	4·6	-	0	1
Gorleston ...	1019·2	+8	SW	3	bc	41	85	5	5	-	-	4·6	4·6	2500	0	2
Mildenhall ...	1019·8	+2	WSW	4	bc	39	92	6	5	3	1	4·6	4·6	5700	1	*
Cranwell ...	1018·7	+4	WSW	3	z_o	42	92	6	-	7	6	0	7·8	-	1	*
Birmingham ...	1020·3	+2	WSW	3	c	41	92	6	-	7	6	0	7·8	-	1	*
Upper Heyford	1022·3	0	SSW	2	m	34	97	4	-	4	9	0	4·6	-	1	*
Ross-on-Wye	1021·6	0	WSW	1	f_g	32	97	6	4	4	2	2·3	4·6	4000	0	*
Bristol ...	1022·6	+2	W	4	z_o	44	92	6	8	-	1	2·3	4·6	1500	1	*
Portland Bill ...	1023·8	+6	W	2	bc	46	92	7	4	-	-	4·6	4·6	2500	1	2
Plymouth ...	1024·9	0	WNW	3	z_o	47	92	6	5	-	-	10	10	1500	0	1
The Lizard ...	1026·0	+4	WNW	4	c	46	92	8	5	2	-	9	10	2500	1	2
Scilly (St. Mary's)	1026·3	+6	NW	4	c	46	85	8	5	-	-	10	10	2500	0	2
Guernsey ...	1025·9	+4	WNW	3	o	46	75	7	5	-	-	10	10	2500	0	1
Pembroke ...	1023·0	0	WNW	5	q	47	97	7	5	2	-	7·8	10	2500	1	3
Holyhead ...	1019·5	-2	SW'W	3	c/d	47	92	7	5	-	-	10	10	450	0	1
Chester(Sealand)	1019·8	-2	WSW	2	c	48	85	8	5	-	8	4·6	7·8	2500	0	*
Manchester ...	1019·4	-4	SW'S	2	z_o	46	92	5	5	7	-	4·6	9+	800	1	*
Spurn Head ...	1015·9	-4	W	5	c	47	85	6	5	4	6	4·6	9+	1500	0	3
Catterick ...	1015·0	+6	WSW	4	c	48	85	8	5	7	2	4·6	9+	2500	0	*
Tynemouth ...	1013·2	+8	W	5	q	50	85	7	5	-	-	9	9	1500	0	2
St Abbs Head ...	1009·8	-6	W	5	c	51	75	8	9	2	2	4·6	10	1500	0	3
Leuchars ...	1009·2	0	WSW	4	c	50	85	8	5	7	6	4·6	7·8	2500	1	*
Renfrew (Abbots L.)	1011·7	-2	WSW	4	c/r	50	85	6	5	-	-	10	10	1500	1	*
Eskdalemuir ...	1012·3	-8	WSW	5	ir_o	47	85	6	6	2	-	4·6	10	1500	1	*
Point of Ayre ...	1016·2	-4	W	5	rr	48	97	7	8	7	-	4·6	10	1500	1	3
Tiree	1010·5	-10	WSW	6	rr	49	97	6	-	2	-	10	10	1500	1	4
Stornoway ...	1006·5	-4	W	4	$r_o r_o$	45	92	7	5	2	-	4·6	10	2500	1	2
Dalwhinnie ...	*	-4	SW	5	ir	48	85	7	8	1	-	4·6	10	2500	1	*
Aberdeen ...	1007·0	0	WSW	1	id_o	50	85	7	6	4	-	9+	9+	1500	0	1
Wick ...	1004·7	-4	WNW	4	c	45	85	8	5	2	-	7·8	10	1500	1	2
Lerwick ...	999·1	+2	W	6	c/pr	44	75	8	8	7	-	4·6	7·8	1500	1	*
Blacksod Point	1017·5	-10	W	4	c	50	92	7	5	-	-	10	10	800	1	3
Malin Head ...	1013·4	-2	W	5	c	49	85	7	9	2	-	7·8	10	1500	0	3
Aldergrove ...	1015·9	-8	SW	3	c	48	85	8	5	7	-	7·8	10	2500	1	*
Birr Castle ...	1020·3	-4	S	1	id	49	97	7	5	-	-	10	10	2500	1	*
Valentia Obsy. †	1023·7	-4	SW	4	dd	49	97	6	5	-	-	10	10	220	1	3
Roches Point	1023·2	*	W	3	c	49	92	8	5	-	-	9+	9+	1500	1	2

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h–18h °F.	Temperature. Min. Night 18h–7h °F	Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Rainfall. Night 18h–7h mm.	Sunshine 8th Hrs.
London (Kew)	60	37	33	Tr	Tr	5·9
Croydon ...	64	39	35	-	-	7·6
S. Farnborough	64	33	24	-	Tr	7·6
Boscombe Down	61	38	35	0.1	-	8·3
Calshot (Stn.tn.)	54	40	36	-	Tr	7·5
Lympne ...	55	36	31	-	Tr	8·9
Manston ...	63	35	30	-	-	8·7
Shoeburyness ...	60	39	33	-	-	6·8
Felixstowe ...	55	39	36	Tr	-	6·3
Gorleston ...	63	40	38	-	-	8·0
Mildenhall ...	65	36	32	Tr	Tr	8·9
Cranwell ...	61	40	38	Tr		6·7
Birmingham ...	59	39	36	-	0·2	9·2
Upper Heyford	61	32	25	-	-	*
Ross-on-Wye	59	29	23	-	-	7·2
Bristol ...	59	38	31	-	Tr	6·9
Portland Bill ...	51	45	*	-	-	*
Plymouth ...	51	46	44	-	-	1·2
The Lizard ...	49	45	*	-	-	0·0
Scilly (St. Mary's)	49	45	*	-	-	0·0
Guernsey ...	53	45	44	-	-	2·7
Pembroke ...	47	45	*	-	Tr	0·0
Holyhead ...	46	42	40	-	Tr	0·5
Chester(Sealand)	60	42	37	-	-	7·3
Manchester ...	57	44	43	-	-	3·5
Spurn Head ...	59	43	*	-	-	6·6
Catterick ...	58	44	44	-	-	5·9
Tynemouth ...	59	47	44	-	-	4·0
St Abbs Head ...	52	47	*	-	-	*
Leuchars ...	50	46	45	-	Tr	0·0
Renfrew (Abbots L.)	48	48	46	Tr	0·6	0·0
Eskdalemuir ...	46	42	41	Tr	1	0·3
Point of Ayre ...	50	45	*	-	0·4	2·5
Tiree	50	49	49	Tr	3	0·0
Stornoway ...	50	45	*	2	1	0·0
Dalwhinnie ...	47	46	43	1	1	0·2
Aberdeen ...	53	47	44	-	Tr	0·1
Wick ...	54	44	*	-	Tr	*
Lerwick ...	50	42	*	3	1	0·0
Blacksod Point	53	46	*	Tr	2	*
Malin Head ...	51	46	*	Tr	0·6	0·1
Aldergrove ...	51	47	44	Tr	-	0·3
Birr Castle ...	52	47	*	-	0·3	0·9
Valentia Obsy. †	50	48	47	Tr	1	0·1
Roches Point	53	47	*	-	-	*

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.	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.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 hrs. ended 9h.								Yesterday.		To-day.	
Kew	18	×Febcm	bcmbz$_o$	bz$_o$ybm	60	37	33	Tr	Tr	5·9	·	·	5
Croydon	217	beFFf	bz$_o$y	bm$_o$Wc	64	39	35	-	-	7·6	·	·	6
Greenwich (Royal Observatory)...	149	Fbz	bz$_o$y	bcb	64	38	31	-	-	6·6	37	77	5
City (Bunhill Row)	—	·	·	·	·	·	·	·	·	5·0	·	·	·
Westminster (St. James' Park) ...	27	·	·	·	63	37	34	-	-	6·3	44	84	·
Regents Pk. (Botanic Gardens)† ...	168	·	·	·	63	36	34	-	-	5·6	47	84	·
Camden Square	110	ofeb	b	·	63	37	32	-	-	·	·	80	·
Kensington	80	bz	b	·	63	39	31	-	-	6·6	At 18h. 60	81	·
Hampstead Observatory	450	bc	bc	bc	61	36	32	-	-	6·8	·	91	·

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 8th March. Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.	7h. G.M.T. 9th March. Barom. mb.	Wind Direc.	Wind Force.	Weather.	Temp. °F.
Paris	1023·7	-	0	z_o	52	1024·7	WNW	4	c	45
Brussels	1022·6	WSW	3	b	52	1022·2	WSW	4	o	43
Berlin						1011·4	WSW	5	z_o	48
Zurich	1025·8	SSE	1	z_o	59	1026·2	SE	1	z_o	37
Rome	1024·3	WNW	2	b	54	1025·1	NE	2	f_s	39

Past 24 Hours.	Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	68	41	-	-
Brussels	61	39	-	-
Berlin		43		-
Zurich	61	34	-	-
Rome	*	*	-	-

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 9th.

South Kensington. Max.	Time.	Min.	Time.
1·3	10–11h. 8th.	<0·3	2·4h. 9th.

Kew Observatory. Max.	Time.	Min.	Time.
0·8	10h 8th	<0·1	4h. 9th.

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 10th March, 1938.

No. 27867.

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

District	Stations (For heights see p. 4.)	Barom. red. 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)	1020·9	−8	WSW	3	bc	58	65	7	-	3	-	0	4-6	-
	Croydon ...	1021·5	-10	W	3	bc	60	65	7	1	4	1	Tr	2-3	4000
	S. Farnborough	1021·4	-10	W'S	3	bc	59	55	7	5	-	-	4-6	4-6	4000
	Boscombe Down	1023·5	+6	W'N	5	c	50	85	7	5	-	-	9+	9+	800
	Calshot (Sthmtn.)	1023·2	0	WSW	4	c	53	85	7	5	-	-	9+	9+	1500
	Lympne ...	1022·1	-12	SW'S	4	bc	54	75	7	-	4	-	0	2-3	-
	Manston ...	1021·2	-10	WSW	3	bc	56	65	6	-	5	1	0	4-6	-
2	Shoeburyness ...	1019·9	-2	W	3	c	58	65	5	-	3	-	0	7-8	-
	Felixstowe ...	1019·9	-14	SW	2	bc	58	55	7	-	8	-	0	4-6	-
	Gorleston ...	1018·1	-10	SWW	4	c	55	65	6	-	4	-	0	7-8	-
	Mildenhall ...	1019·4	-6	W	4	bc	59	65	7	1	8	2	1	7-8	4000
	Cranwell ...	1018·3	0	WSW	6	c	55	65	7	8	7	-	4-6	9+	2500
3	Birmingham ...	1020·6	0	W	4	bc	56	55	8	5	4	-	2-3	4-6	4000
	Upper Heyford	1021·2	−2	WNW	4	c	57	65	7	7	3	8	2-3	9	1500
4	Ross-on-Wye	1021·4	0	W	3	bc	56	65	8	8	-	9	4-6	4-6	4000
5	Bristol ...	1023·7	+6	W	4	°/d	47	97	6	5	-	-	10	10	800
	Portland Bill ...	1023·9	+2	W	4	c	47	92	7	5	2	-	7-8	10	2500
	Plymouth ...	1026·1	+8	W'N	3	id.	47	92	5	5	-	-	10	10	800
	The Lizard ...	1026·4	+2	WN	4	c	47	85	8	4	2	-	9	10	2500
	Scilly (St. Mary's)	1026·9	+2	NWW	4	c	49	85	7	5	-	-	10	10	2500
	Guernsey ...	1026·4	−2	W	2	ir.	49	85	6	5	-	-	10	10	2500
6	Pembroke ...	1023·3	0	W	4	q	47	97	7	5	2	-	4-6	10	2500
7	Holyhead ...	1018·8	0	SW	4	d	49	92	7	5	2	-	7-8	10	450
	Chester (Sealand)	1020·1	+4	WSW	3	c	55	65	8	5	7	-	7-8	9+	1500
8	Manchester ...	1019·1	+2	W	6	c	54	75	7	7	3	2	7-8	9	2500
10	Spurn Head ...	1016·1	0	W'N	6	r.p.	50	85	6	5	-	-	10	10	1500
	Catterick ...	1015·5	+6	WSW	4	c	52	75	8	2	7	2	4-6	9+	1500
	Tynemouth ...	1013·3	−4	W	4	c	54	75	7	8	-	-	9	9	1500
11	St Abbs Head ...	1010·1	−6	WSW	6	q	52	65	8	3	8	-	4-6	9+	2500
	Leuchars ...	1008·0	-10	WSW	5	bc	56	65	8	9	9	8	4-6	4-6	2500
12	Renfrew (Abbotsl.)	1012·6	0	WSW	4	c/d	51	85	7	5	-	-	10	10	800
	Eskdalemuir ...	1011·0	−10	W	8	c	51	65	8	5	3	2	4-6	7-8	1500
	Point of Ayre ...	1016·6	+2	W	5	c	54	85	7	5	6	-	7-8	9	800
13A	Tiree	1009·9	+2	W'S	6	o	50	97	6	5	-	-	10	10	450
13B	Stornoway ...	1006·7	0	WNW	5	r.s.r.	46	97	6	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1003·0	0	SW	6	ir	49	85	7	5	2	-	4-6	10	2500
	Aberdeen ...	1005·9	-10	NWW	2	c/r	55	75	6	6	2	-	9	9+	1500
	Wick ...	1004·8	0	WNW	3	c/d	47	85	8	5	7	-	7-8	10	1500
16	Lerwick ...	1000·1	+6	W	6	c/pr	43	75	8	8	7	-	4-6	7-8	1500
17	Blacksod Point	1018·0	0	W	3	c	51	92	7	5	-	-	10	10	450
18	Malin Head ...	1013·6	0	WSW	6	c	53	85	8	8	-	-	9	9	2500
	Aldergrove ...	1016·3	−4	SW'S	4	c/d	50	92	8	5	-	-	10	10	800
19	Birr Castle ...	1020·7	+2	W'S	3	q/pr	52	85	7	5	-	-	10	10	2500
20	Valentia Obsy. †	1024·4	+2	SW	4	c	51	85	8	5	-	-	10	10	1500
	Roches Point	1023·7	*	W	3	c	53	85	8	2	-	5	4-6	7-8	2500

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

District	Barom. red. 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	1021·4	+8	WSW	3	bc	50	85	6	5	-	1	4-6	4-6	4000	1	*
	1021·5	+6	W'S	4	Z_o	51	85	6	4	3	-	4-6	4-6	4000	1	*
	1022·1	+2	W'S	4	c	49	85	7	5	-	-	7-8	7-8	1500	0	*
	1023·0	-4	W	4	c	47	92	8	5	-	-	10	10	1500	0	*
	1023·3	+4	W'S	2	c	49	85	7	5	-	-	9+	9+	1500	1	1
	1020·9	0	W'S	3	Z_o	51	85	6	-	4	2	0	4-6	-	0	§4
	1020·0	0	SW	3	Z_o	50	85	6	-	3	-	0	2-3	-	0	*
2	1019·9	0	WSW	3	b	52	75	5	-	4	1	0	Tr	-	1	*
	1018·9	-6	WSW	2	bc	54	75	7	-	3	6	0	4-6	-	0	1
	1017·4	-2	WSW	3	bc	55	65	6	5	3	-	4-6	4-6	2500	0	2
	1018·7	+10	WNW	4	c	54	65	8	-	7	6	0	9	-	0	*
	1017·8	-2	SW'W	4	c	52	85	7	5	2	-	7-8	9	2500	1	*
3	1020·4	-2	W	2	c	52	75	8	5	-	-	10	10	2500	0	*
	1021·3	+6	WNW	4	c	51	85	7	5	-	-	10	10	2500	0	*
4	1021·1	-4	WSW	3	c	51	85	8	5	-	-	10	10	2500	0	*
5	1023·3	+2	W'S	4	Z_o	46	97	6	5	-	-	10	10	450	0	*
	1023·4	-4	WNW	3	o	47	92	7	5	-	-	10	10	1500	1	3
	1025·3	-2	NW'W	3	id.	48	92	6	5	-	-	10	10	800	0	2
	1026·5	+4	W'N	3	c	47	85	8	4	2	-	7-8	9+	2500	0	1
	1026·2	-4	WNW	4	c	48	85	7	5	-	-	10	10	2500	0	2
	1026·2	0	W	3	o	47	85	6	5	-	-	10	10	4000	1	2
6	1022·7	-4	W	4	q	47	92	7	5	2	-	4-6	9+	1500	1	3
7	1019·3	+2	SW'W	4	c	49	85	7	5	2	-	7-8	10	4000	0	1
	1019·1	-6	SW	3	c	53	75	8	5	-	-	9	9	2500	0	*
8	1018·5	0	SW	3	c/d	50	92	5	5	-	-	10	10	800	1	*
10	1016·8	0	W'N	5	c	50	85	5	5	9	7	4-6	10	800	0	3
	1014·8	-2	SW'W	4	c/pr	51	85	8	5	7	-	9	9+	1500	1	*
	1012·9	+8	W	4	bc	54	85	6	8	-	-	4-6	4-6	1500	0	2
11	1010·7	+6	W	6	q	52	75	7	5	7	1	4-6	7-8	2500	0	4
	1008·8	+10	W	5	c	53	85	8	5	7	-	7-8	7-8	2500	0	*
12	1011·8	-2	W	5	c/r	51	92	6	5	3	-	9	9+	1500	1	*
	1012·3	+18	W'S	7	c	51	75	8	5	4	-	7-8	9+	1500	0	*
	1010·0	-2	W'N	5	c	50	92	8	5	2	-	7-8	9	800	0	3
13A	1012·0	+18	NW	2	dd	47	97	5	5	-	-	10	10	450	1	3
13B	1009·7	+12	WNW	4	pr.	44	85	7	6	7	5	4-6	9	1500	1	2
15	1010·5	+14	SW	5	ir	47	85	7	5	-	-	10	10	2500	1	*
	1008·3	+26	NW	3	c/r	48	92	7	6	3	1	8-3	7-8	1500	1	1
	1006·7	+10	WNW	3	c	44	85	8	5	7	8	4-6	7-8	1500	1	2
16	1001·2	+14	W	6	bc/pr	43	65	8	8	7	-	4-6	4-6	1500	1	*
17	1018·0	0	W	4	DD	50	97	6	6	-	-	10	10	450	1	3
18	1014·0	+8	W	5	c/d	50	92	6	5	-	-	10	10	2500	0	4
	1016·5	+4	WSW	4	ir.	51	92	6	6	2	-	9	10	800	1	*
19	1020·3	+4	W'S	3	id.	51	85	7	5	-	-	10	10	2500	1	*
20	1023·9	+2	SW	3	c	50	92	7	5	-	-	10	10	800	1	4
	1023·4	*	W	3	c	52	85	8	5	4	5	4-6	7-8	1500	1	2

PAST 24 HOURS.

Weather. 7h.—13h. 9th (37)	13h.—18h. 9th (38)	18h. 9th to 1h. 10th (39)	1h.—7h. 10th (40)
m.bc	bcm.	bcc	cm.
bcm.z.	b.bccz.	bccm.	cd.d.m.
bm.bay	bcc	cbcm.	bccm.w
bcbbcc	c	cid.	com.
cbcc	ccm.	c	c
cm.b	bc.z.	b.cm.	bccm.
bbcz.	bbcz.	bccm.	bcwcm.
bcucz.	cbcz.	bz.c	cz.w
bcm.cm.	bcy	bcc.b	b.cm.
bccz.	cbcz.	bccz.	c
bc	bcc	bccbc	bcc
cm.ir.	c	ccm.	cm.c
cbc	bcc	cbcc	c
cbcc	cm.	cm.c	cd.cm.
bccbcc	cbcc	cbcc	cbcc
bcc	cc	c	c
c	c	c	c
c	c	c	c
oid.	oid.	o	oid.
id.m.qc	cq	bcqm.c	cqm.c
id.c	c	m.c	m.c
c	cr.	cbcc	cd.d.m
cm.id.	cm.d.d.	cr.r.dd	oddcm.
cqr.r	cqm.	cq.c	cq.c
c	cpr.c	cbcc	c
cq.c	cbca.	bcc	c
cq	cq	c	cpr
bcbcq	bcqcq	cqpr.c	c
ir.r.r.r.	cm.ir.	cm.ir.	idd.dd
cir.c	c	r.ir.	r.r.c
rrc	c	c	c
ordir	oirdd	oid	oidrd
cr.r.	cir.pr	cpr.	c
cir	cir *	ciro	
r.r.d.	cc ir.	bcc	cw
id.c	cid.c	c	cpr.c
cpr.	prhrq	cphrbcq	phrq
id.f	id.	df	iD
c	cid.c	cDfDf	cdfdf
cd.c	cr.c	cr.ddm.c	cd.c
oid.	oid.	oid.	oid.
iddc	c	c	c
cid.c	c	cw	cw

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 (coas' station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s.c/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).
⊕, Solar halo. ☽ lunar halo. ⁄ gale.
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 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).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. ,, 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.

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.*

† See disturbance reported from Dungeness.

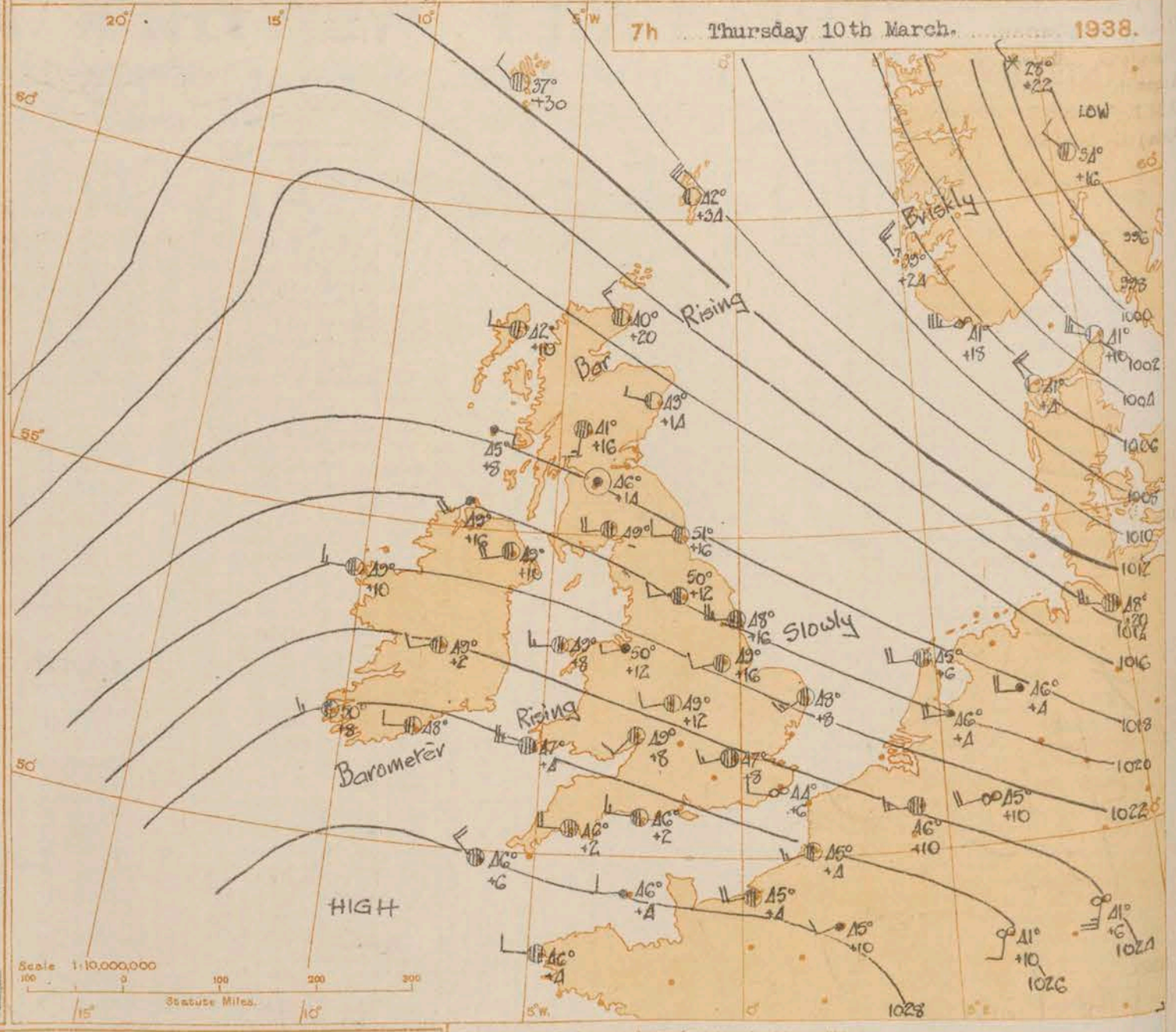
REPORTS from HEALTH RESORTS for 9th March 1938.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 8th to 9h. 9th.	Temperature (°F.) Max. 9h.—17h. 9th.	Rainfall (mm.) Night. 17h. 8th to 9h. 9th.	Rainfall (mm.) Day. 9h.—17h. 9th.	Sunshine (Hrs.) Sunrise to 17h. 9th.	Sunshine (Hrs.) Sunrise to Sunset. 8th.
1	Tunbridge W.	b	zbc	36	62	–	–	8·8	9·3
	Bournemouth	co	o	35	51	–	–	0·2	7·6
	Ventnor ...	obo	ov	42	48	–	–	0·8	8·9
	Southsea ...	bcc	bcco	38	54	–	–	3·4	7·7
	Bognor Regis	b	bbc	40	53	–	–	5·5	8·1
	Littlehampton	bc	bcc	37	53	–	–	6·5	8·9
	Worthing ...	b	bbcc	38	52	–	–	7·8	8·3
	Brighton ...	b	bc	39	51	–	–	7·2	7·5
	Eastbourne† ...	b	bbc	40	51	–	–	8·8	7·7
	Hastings† ...	bbcb	b	40	53	–	–	9·3	9·2
	Folkestone ...	bm$_o$b	bbm$_o$	38	52	–	–	8·3	8·5
	Dover ...	bc	bcb	39	51	–	–	9·2	9·0
	Deal	bbc	bbc	38	57	–	–	8·2	8·8
	Ramsgate ...	bc	bc	40	57	–	–	7·5	8·6
	Margate ...	bc	bc	39	59	–	–	8·7	9·1
2	Southend ...	bbc	bcbbc	34	60	Trace	–	6·1	6·7
	Clacton-on-Sea	bcm$_o$	bcb	33	59	–	–	7·3	6·2
	Dovercourt ...	bcc	bco	38	61	–	–	8·7	6·8
	Lowestoft ...	cbcb	bbc	39	60	–	–	5·1	9·3
	Skegness ...	c	bc	36	58	–	–	1·2	5·0
	Mablethorpe...	cbccp	cbcc	43	56	–	Trace	0·1	6·5
	Cleethorpes ...	bccr$_o$	c	41	55	–	Trace	0·7	6·9
3	Leamington S.	bc	bcc	33	59	–	–	5·9	5·8
4	Cheltenham†	wc	bcco	32	58	–	–	4·4	8·6
5	Bath	c	c	32	50	–	–	0·9	7·9
	Weymouth ...	c	c	43	50	–	–	0·1	9·1
	Jersey ...	g	g	44	48	–	–	3·0	0·9
	Torquay ...	wco	ocbc	36	53	–	–	0·6	9·5
	Falmouth	o	c	46	50	–	–	0·0	0·3
	Penzance ...	c	c	46	51	–	–	0·0	0·0
	St. Ives ...	o	o	43	54	–	–	0·0	0·0
	Bude... ...	o	Hom.d	45	49	–	Trace	0·0	0·0
	Ilfracombe ...	com$_o$	k	46	48	–	Trace	0·0	0·2
6	Aberystwyth	cf$_o$	oc	41	46	Trace	–	0·0	4·0
7	Llandudno ...	p$_o$c	c	44	52	–	Trace	0·4	8·2
	Colwyn Bay...	cbcc	cbc	42	56	–	–	0·5	8·1
	Rhyl	cbcc	c	40	56	–	–	1·2	8·0
8	Wallasey ...	c	od$_o$c	37	53	–	Trace	1·4	6·7
	Southport ...	d$_o$coc	d$_o$c	37	52	Trace	Trace	0·7	2·7
	Blackpool ...	cm$_o$	om$_o$	38	50	0·3	–	0·2	1·5
	Morecambe ...	bcobc	cbcc	35	48	1	0·3	1·1	0·5
9	Ilkley... ...	c	cod$_o$o	40	52	–	Trace	0·0	5·7
	Harrogate ...	c	c	42	53	–	–	0·1	7·6
10	Berwick-on-T.	co	cbc	45	56	–	–	4·1	1·4
11	Dunbar ...	cm$_o$r$_o$	cm$_o$	42	54	Trace	–	0·3	0·4
12	Troon... ...								
	Douglas ...	bcpr	bcir$_o$	45	54	1	Trace	1·3	0·0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 10th March. 1938.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Light or moderate west winds; fair; sunny intervals: mild.
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 westerly winds; occasional rain, mild.
15 N. E. Scotland 16 Orkney and Shetland	Light westerly winds; fair; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light or moderate southwest winds; mainly fair apart from coastal drizzle; mild.

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 ridge of high pressure covers the British Isles and a depression far out on the Atlantic is moving northeast or north-northeast. Weather will be mild and fair over southern districts but there will be occasional rain in Scotland.

FURTHER OUTLOOK.

Mild; mainly fair in the South.

Forecasts issued at 1000 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2. C.032/2438 m 6020. 0 45-3 Gp.548 12240 3/38

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.

Morning of

THURSDAY 10TH MARCH.

1938.

Lambert's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.

Statute Miles 0 — 1 — 2 — 3 — 4 — 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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 10th March, 1938.
No. 27867.

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

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	1023·0	+2	W	3	c	47	92	7	5	-	-	9+	9+	800
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1023·6	+6	WSW	3	bc	45	92	6	5	3	-	2-3	4-6	2500
	Manston ...	142	1022·5	+6	W'S	2	bc	44	97	6	-	3	-	0	4-6	.-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1019·1	+4	SW	3	c	49	85	6	-	4	-	0	7-8	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1025·2	+2	WNW	3	c	47	85	7	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1027·0	+2	W'N	4	c	46	92	8	5	-	-	10	10	2500
	Scilly (St. Mary's)	163	1027·4	-2	NW'W	4	c	47	92	7	5	-	-	10	10	2500
	Guernsey ...	175	1027·0	+4	W	2	0	46	85	7	5	-	-	10	10	2500
6	Pembroke ...	142	1024·3	+2	W'N	5	q	47	97	6	5	2	-	7-8	10	2500
7	Holyhead ...	26	1024·1	+2	SW'W	3	c	48	92	6	5	-	-	10	10	450
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1017·6	+2	W'N	5	c	49	85	7	5	-	-	10	10	800
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1015·0	+8	W	3	c	53	92	8	5	-	-	9+	9+	1500
11	St Abbs Head ...	280	1013·6	+4	W	5	c	51	75	8	5	2	-	4-6	7-8	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1018·4	+6	W	5	c	49	97	8	5	-	-	9+	9+	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1014·3	+12	WSW	3	c	42	75	7	5	1	-	4-6	9	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1011·6	+16	NW	4	c	40	85	8	8	6	-	7-8	9	1500
16	Lerwick ...	156	1005·5	+20	W	7	bc/hr	42	85	8	8	-	-	4-6	4-6	1500
17	Blacksod Point	18	1020·3	+8	W	3	DD	50	97	6	6	-	-	10	10	450
18	Malin Head ...	84	1016·4	+18	SW	4	df	50	92	3	5	-	-	10	10	800
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1024·7	+2	SW	2	0	49	97	7	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1024·0	+6	WSW	3	z₀	48	85	6	5	-	-	10	10	2500	1	*
1024·3	+8	WSW	3	c/d	47	97	6	5	-	-	10	10	800	1	*
1024·6	+6	WSW	3	z₀	47	92	6	5	-	-	10	10	800	0	*
1025·0	+4	W	4	z₀	46	97	6	5	-	-	10	10	450	0	*
1025·0	+6	W'S	2	c	48	92	7	5	-	-	10	10	1500	1	2
1024·4	+6	W'N	2	z₀	44	97	6	5	4	3	4-6	7-8	1500	0	§1
1023·2	+4	W'N	4	z₀	46	92	5	-	7	-	0	9	-	0	*
1023·2	+2	WSW	3	z₀	47	92	6	5	7	-	1	9	1500	1	*
1021·9	+2	WSW	3	z₀	47	92	6	5	7	6	2-3	7-8	2500	0	2
1020·5	+8	SW'W	3	c	48	85	6	-	3	-	0	7-8	-	0	2
1021·8	+4	WSW	4	c	48	92	7	5	-	-	9+	9+	1500	1	*
1021·2	+16	W'S	2	c	49	92	7	5	3	-	7-8	9+	4000	1	*
1022·6	+12	WSW	2	c	49	85	6	5	7	-	4-6	9	2500	0	*
1023·8	+8	SW'W	3	c	46	92	6	5	2	-	7-8	10	1500	0	*
1023·5	+8	SW	2	c	49	85	8	5	7	-	7-8	9+	1500	0	*
1024·7	+2	W	5	m/d	46	97	4	5	-	-	10	10	450	1	*
1025·1	+2	WNW	3	c	46	92	8	5	-	-	10	10	2500	1	2
1027·0	+2	NW'W	2	c	47	92	7	5	-	-	10	10	1500	1	1
1027·8	+2	WNW	4	c	46	92	8	5	-	-	10	10	1500	1	2
1028·0	+6	NW	4	c	46	92	7	5	-	-	10	10	2500	0	2
1027·6	+4	W'N	2	id₀	46	97	6	5	-	-	10	10	1500	1	2
1025·1	+4	WNW	5	q	47	92	6	5	-	-	10	10	2500	1	3
1022·5	+8	W'S	3	c	49	92	6	6	2	-	4-6	10	1500	0	1
1022·5	+12	WSW	1	d₀d₀	50	92	6	6	2	-	9	9+	1500	1	*
1021·9	+10	W	5	id	49	97	5	6	2	-	9	10	800	1	*
1019·3	+16	W'N	5	c	48	92	6	5	-	-	10	10	1500	0	3
1018·2	+12	W'S	2	c	50	85	9	5	7	-	4-6	9+	2500	0	*
1017·5	+10	W	2	c	51	92	7	5	-	-	9	9	1500	0	1
1017·0	+10	WNW	3	spr	48	85	7	5	2	-	7-8	10	1500	0	2
1017·1	+12	WNW	3	c	47	85	8	5	7	-	7-8	10	4000	1	*
1017·9	+14	-	0	dd	46	97	4	5	-	-	10	10	450	1	*
1018·5	*	W	4	q/r	49	92	6	5	-	-	10	10	1500	1	*
1020·4	+8	W	4	c	49	97	8	5	2	-	7-8	10	800	0	3
1017·2	+6	E'S	1	d₀d₀	45	97	6	-	2	-	10	10	1500	1	2
1016·7	+10	WSW	2	c	42	85	8	5	1	-	4-6	9+	2500	1	1
*	+16	S	3	c	41	85	8	5	-	-	10	10	2500	0	*
1016·7	+14	WNW	1	bc	43	75	8	5	3	-	4-6	4-6	1500	1	1
1014·8	+20	NW	3	c	40	85	8	5	7	8	4-6	7-8	1500	1	2
1010·1	+34	NW	5	bc	42	75	8	8	-	-	4-6	4-6	1500	1	*
1022·0	+10	W	3	c	49	97	7	6	-	-	10	10	450	1	3
1018·7	+16	SW'W	4	df	49	92	3	8	-	-	10	10	1500	1	3
1020·8	+10	WSW	4	c	49	97	8	5	-	-	10	10	800	1	*
1023·5	+2	W'S	2	o/d	49	92	7	5	-	-	10	10	1500	1	*
1026·0	+8	W'S	3	c	50	85	8	5	-	-	10	10	1500	1	3
1026·0	*	W	2	c	48	97	8	5	-	-	9+	9+	1500	1	2

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 9th Hrs. (36)
1	London (Kew)	60	46	43	-	-	8·6
	Croydon ...	62	46	43	-	Tr	8·3
	S. Farnborough	60	45	42	-	Tr	6·9
	Boscombe Down	54	45	45	-	Tr	3·7
	Calshot (Sthmtn.)	54	48	47	-	-	3·0
	Lympne ...	55	43	38	-	-	9·1
	Manston ...	59	42	38	-	-	6·7
2	Shoeburyness ...	60	45	41	-	-	6·3
	Felixstowe ...	59	46	42	-	-	8·5
	Gorleston ...	60	48	45	-	-	4·1
	Mildenhall ...	60	47	43	-	-	6·9
	Cranwell ...	59	48	46	Tr	-	1·5
3	Birmingham ...	57	48	44	-	-	4·3
	Upper Heyford	59	43	38	-	Tr	*
4	Ross-on-Wye	59	47	41	-	-	5·3
5	Bristol ...	49	45	45	Tr	Tr	0·3
	Portland Bill ...	48	45	*	-	-	*
	Plymouth ...	49	47	45	Tr	Tr	0·0
	The Lizard ...	49	45	*	-	-	0·0
	Scilly (St. Mary's)	49	46	*	-	-	0·0
	Guernsey ...	49	46	45	Tr	Tr	0·0
6	Pembroke ...	48	46	*	Tr	-	0·0
7	Holyhead ...	50	47	46	Tr	-	0·1
	Chester (Sealand)	58	50	48	Tr	0·4	0·9
8	Manchester ...	56	49	48	0·2	3	1·8
10	Spurn Head ...	53	47	*	0·3	-	0·2
	Catterick ...	55	49	46	Tr	-	2·5
	Tynemouth ...	56	51	48	Tr	-	1·8
11	St Abbs Head ...	53	47	*	-	Tr	*
	Leuchars ...	57	45	43	-	Tr	4·0
12	Renfrew (Abbotsl.)	52	46	45	1	1	0·1
	Eskdalemuir ...	53	48	46	0·1	2	1·8
	Point of Ayre ...	56	48	*	0·6	-	0·3
13A	Tiree	50	44	44	2	2	0·0
13B	Stornoway ...	47	41	*	2	0·3	0·3
15	Dalwhinnie ...	50	40	36	1	Tr	0·1
	Aberdeen ...	57	42	32	1	-	0·0
	Wick ...	48	39	*	1	0·4	*
16	Lerwick ...	46	39	*	2	1	3·0
17	Blacksod Point	53	46	*	Tr	1	*
18	Malin Head ...	54	48	*	Tr	4	0·7
	Aldergrove ...	53	48	48	Tr	0·3	0·0
19	Birr Castle ...	53	48	*	0·1	0·2	0·0
20	Valentia Obsy. †	52	49	48	0·1	-	0·0
	Roches Point	55	48	*	Tr	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h. (To-day.)
Kew	18	m₀bc	bcm₀	bccm₀	60	46	43	-	-	8·6	*	*	5
Croydon	217	bcm₀z₀	b₀bccz₀	bcm₀cdd₀	62	46	43	-	Tr	8·3	*	*	6
Greenwich (Royal Observatory) ...	149	c	cbc	c	61	45	41	-	-	6·2	58	84	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6·9	*	*	*
Westminster (St James' Park) ...	27	*	*	*	61	44	42	-	-	7·1	60	89	*
Regents Pk (Botanic Gardens)‡ ...	158	*	*	*	61	43	34	-	-	5·8	64	93	*
Camden Square	110	b	bcb	*	61	39	40	-	-	*	*	84	*
Kensington	80	bc	bc	*	61	48	42	-	-	6·8	At 18h. 63	93	*
Hampstead Observatory	450	bc	bc	o	60	45	40	-	-	6·0	*	95	*

FOREIGN OBSERVATIONS.

18h. G.M.T. 9th March ... 7h. G.M.T. 10th March

Stations.	18h. Barom. mb.	18h. Wind. Direc.	18h. Wind. Force.	18h. Weather.	18h. Temp. °F	7h. Barom. mb.	7h. Wind. Direc.	7h. Wind. Force.	7h. Weather.	7h. Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	1024·6	W	3	z₀	48	1026·9	WSW	2	id₀	45	48	45	-	0·1
Brussels	1021·6	W	4	o	48	1023·5	W	3	o	46	48	46	-	-
Berlin	1012·3	WSW	4	ir₀	46	1010·6	W	6	dr	48	52	48	Tr	Tr
Zurich						1025·5	SE	1	z₀	36		36		-
Rome	1024·3	WNW	3	b	54	1024·7	ENE	3	bf-	41	*	*	-	-

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	½,100 ,,
4 Mist or haze	1¼ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 10th

South Kensington.

Max.	Time.	Min.	Time.
0·3	18-20h 9th	<0·3	1-4h 10th

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	8h 9th	<0·1	0-6h 10th

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C SIMPSON, K.C.B., D.Sc., F.R.S., Director

† Observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 9 h. § See disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 11th March, 1938.
No. 27868.

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

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)	1025·4	+4	WSW	3	Z_o	55	75	6	5	–	–	9+	9+	1500
	Croydon ...	1025·9	−2	W	3	Z_o	55	85	6	5	3	–	4-6	9+	2500
	S. Farnborough	1026·0	−6	W	3	C	54	85	6	5	–	–	9+	9+	800
	Boscombe Down	1026·9	+6	WNW	3	C	51	85	7	5	–	–	10	10	800
	Calshot (Sthmtn.)	1026·8	+2	WNW	3	C	53	85	7	5	7	–	7-8	10	1500
	Lympne ...	1025·7	−4	WSW	3	Z_o	55	75	6	5	3	–	7-8	9+	2500
	Manston ...	1024·7	−6	W	4	Z_o	56	75	6	5	–	6	1	7-8	1500
2	Shoeburyness ...	1024·5	0	W'N	3	Z_o	59	75	6	8	3	1	9	9+	1500
	Felixstowe ...	1023·9	−2	W	4	C	55	75	7	5	3	–	7-8	9	1500
	Gorleston ...	1022·7	+4	W'N	4	C	59	75	6	5	–	–	9+	9+	2500
	Mildenhall ...	1024·3	+10	WNW	4	C	57	75	7	5	–	–	9+	9+	2500
	Cranwell ...	1023·8	+12	W'S	4	Z_o	55	75	6	5	3	–	9	9+	2500
3	Birmingham ...	1025·5	+4	WSW	2	C	55	75	6	5	–	–	9+	9+	2500
	Upper Heyford	1026·2	+4	W'S	3	Z_o	53	85	6	5	–	–	10	10	1500
4	Ross-on-Wye	1025·4	0	N	1	C	59	75	8	4	–	9	7-8	7-8	4000
5	Bristol ...	1027·3	+10	WSW	4	Z_o	50	92	6	5	–	–	7-8	7-8	450
	Portland Bill ...	1027·5	+8	WNW	2	C	48	85	7	4	–	–	10	10	2500
	Plymouth ...	1028·5	+2	NW	3	C	50	85	7	5	–	–	10	10	800
	The Lizard ...	1029·3	+4	NW'W	3	0	48	92	7	5	–	–	10	10	1500
	Scilly (St. Mary's)	1030·0	+4	NW'N	3	C	48	92	7	5	–	–	10	10	2500
	Guernsey ...	1028·5	+4	W'N	3	0	48	85	7	5	–	–	10	10	2500
6	Pembroke ...	1028·1	+8	–	0	C	49	92	7	5	2	–	4-6	10	2500
7	Holyhead ...	1025·5	+6	SW'S	2	C	51	85	8	6	7	8	2-3	9+	1500
	Chester (Sealand)	1025·2	+4	NW'N	4	C	55	85	8	5	3	–	4-6	7-8	1500
8	Manchester ...	1024·5	+6	W'N	5	Z_o	52	92	6	5	–	–	10	10	800
10	Spurn Head ...	1021·9	+10	WNW	5	C	51	85	6	5	7	–	4-6	7-8	2500
	Catterick ...	1021·7	+10	W'S	4	Pr_o	55	75	7	5	4	–	9	9+	1500
	Tynemouth ...	1021·0	+6	W	3	C	55	85	6	8	–	–	9+	9+	1500
11	St Abbs Head ...	1020·6	+4	WNW	2	C jf	51	92	4	3	2	–	2-3	9+	800
	Leuchars ...	1020·2	+14	WNW	3	C	55	75	9	5	7	–	4-6	9+	4000
12	Renfrew (Abbotsl.)	1021·0	+10	WNW	4	C/d	53	85	6	5	3	–	4-6	9+	800
	Eskdalemuir ...	1021·5	+8	WSW	4	C	51	85	8	5	–	–	9+	9+	1500
	Point of Ayre ...	1023·5	+16	W'N	4	C	52	85	8	5	–	–	10	10	1500
13A	Tiree	1020·3	+16	WSW	4	0	50	97	6	5	–	–	10	10	450
13B	Stornoway ...	1019·5	+14	S	3	Pr_o	46	85	8	5	2	–	4-6	10	1500
15	Dalwhinnie ...	1020·7	+14	SW	2	C	47	85	7	5	–	–	10	10	2500
	Aberdeen ...	1020·1	+10	NW	3	C	50	65	8	5	7	9	4-6	9+	2500
	Wick ...	1019·1	+18	NW	3	C	47	65	8	5	7	9	4-6	9	1500
16	Lerwick ...	1016·1	+30	NW	4	bc	44	75	8	8	7	–	4-6	4-6	1500
17	Blacksod Point	1025·2	+10	W	4	C	52	92	7	5	–	–	10	10	220
18	Malin Head ...	1022·7	+14	SWW	5	C	51	92	5	5	–	–	10	10	1500
	Aldergrove ...	1023·7	+10	W'S	4	C	52	92	8	5	–	–	10	10	1500
19	Birr Castle ...	1026·5	+12	W'S	2	C	52	85	7	5	2	–	7-8	10	2500
20	Valentia Obsy. †	1028·9	+8	SW	3	C	53	85	8	5	–	–	10	10	1500
	Roches Point	1028·3	*	W'S	3	C	53	85	8	5	–	–	9+	9+	2500

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1025·7	+6	W'N	1	Z_o	56	75	6	5	–	–	4-6	4-6	4000	1	*
	Croydon ...	1025·5	+2	NW	1	m	57	75	4	5	3	–	4-6	4-6	2500	1	*
	S. Farnborough	1025·8	+2	NW'N	21	C	56	75	6	5	3	–	7-8	9+	2500	0	*
	Boscombe Down	1026·7	+6	NW	4	Z_o	49	92	6	5	–	–	9+	9+	1500	0	*
	Calshot (Sthmtn.)	1026·0	+2	NW'W	2	C	52	85	7	–	4	9	0	2-3	–	1	0
	Lympne ...	1026·2	+8	NNW	2	Z_o	52	85	6	5	–	–	10	10	2500	0	2
	Manston ...	1025·3	+12	W	3	Z_o	52	85	6	5	–	–	10	10	1500	0	*
2	Shoeburyness ...	1025·2	+6	W'S	3	Z_o	55	85	6	5	–	–	10	10	1500	1	*
	Felixstowe ...	1024·8	+10	W	3	Z_o	55	75	6	5	4	2	7-8	9	1500	0	2
	Gorleston ...	1023·5	+8	W'N	3	0	56	75	5	6	–	–	10	10	1500	0	2
	Mildenhall ...	1024·8	+10	WNW	3	Z_o	54	85	6	5	7	–	7-8	10	4000	0	*
	Cranwell ...	1021·7	+12	WSW	3	Z_o	52	85	6	5	–	–	10	10	2500	1	*
3	Birmingham ...	1026·5	+10	NNW	2	C	53	75	6	5	–	–	10	10	2500	0	*
	Upper Heyford	1026·1	+4	WNW	3	C	55	75	8	5	4	–	9	9+	2500	0	*
4	Ross-on-Wye	1026·1	+6	N'W	2	bc	52	75	8	4	4	2	1	2-3	2500	0	*
5	Bristol ...	1027·3	+6	W	4	Z_o	47	92	6	5	4	–	2-3	4-6	1500	1	*
	Portland Bill ...	1026·9	−4	NW	2	C	47	85	7	4	–	–	7-8	7-8	2500	1	2
	Plymouth ...	1027·9	−6	NW'N	2	Z_o	49	85	6	5	–	–	9	9	1500	0	1
	The Lizard ...	1029·0	0	NW'N	3	C	48	85	8	5	2	–	9+	10	1500	1	2
	Scilly (St. Mary's)	1029·4	0	NNW	2	C	48	92	7	5	–	–	10	10	2500	0	2
	Guernsey ...	1028·5	+2	WNW	2	0	48	85	6	5	–	–	10	10	4000	1	2
6	Pembroke ...	1028·4	0	WNW	2	C	48	92	7	5	–	–	9+	9+	2500	1	2
7	Holyhead ...	1026·6	+12	WNW	4	C	51	85	8	5	2	–	2-3	10	2500	0	1
	Chester (Sealand)	1026·2	+4	WNW	4	Z_o	52	85	6	5	–	–	10	10	1500	1	*
8	Manchester ...	1025·7	+14	WNW	3	Z_o	51	85	6	5	–	–	10	10	800	1	*
10	Spurn Head ...	1023·4	+12	WNW	5	C	50	85	6	5	–	–	10	10	2500	0	3
	Catterick ...	1023·4	+14	W'N	4	C	54	75	8	5	4	2	7-8	9	2500	0	*
	Tynemouth ...	1022·2	+14	W	2	C	55	85	6	8	–	–	9	9	800	0	1
11	St Abbs Head ...	1022·0	+8	–	0	C	50	92	6	8	6	–	2-3	7-8	1500	0	1
	Leuchars ...	1022·6	+18	NE	1	C_{pr}	45	97	7	5	7	–	7-8	9	2500	1	*
12	Renfrew (Abbotsl.)	1023·2	+18	W'N	2	C	52	85	8	5	–	–	9	9	1500	1	*
	Eskdalemuir ...	1023·1	+10	W	4	C	50	92	8	5	–	1	9	9	1500	1	*
	Point of Ayre ...	1025·3	+10	W'N	3	C	51	97	8	5	1	–	7-8	10	800	0	2
13A	Tiree	1022·0	+16	W'S	4	0	49	97	6	5	–	–	10	10	220	1	2
13B	Stornoway ...	1019·8	+2	SSE	3	$d_o d_o$	45	97	5	5	–	–	10	10	1500	1	1
15	Dalwhinnie ...	1022·7	+14	SW	2	C	47	92	7	5	6	–	4-6	10	2500	1	*
	Aberdeen ...	1022·9	+20	S	1	$d_o d_o$	44	85	6	–	2	–	10	10	2500	1	0
	Wick ...	1021·1	+10	WNW	2	C	45	85	7	5	2	–	7-8	10	1500	1	1
16	Lerwick ...	1020·8	+20	NW	3	C	47	85	8	5	7	1	4-6	7-8	1500	1	*
17	Blacksod Point	1026·2	+14	W	3	C	51	97	7	–	5	–	0	10	–	1	3
18	Malin Head ...	1023·9	+16	W	3	DD	49	97	4	5	–	–	10	10	800	1	3
	Aldergrove ...	1025·6	+14	W'S	3	C	51	85	8	5	–	–	9+	9+	1500	1	*
19	Birr Castle ...	1026·7	+8	W'S	1	C	52	85	8	5	–	–	10	10	2500	1	*
20	Valentia Obsy. †	1029·1	+6	SW	2	C	51	92	7	5	–	–	10	10	800	1	3
	Roches Point	1028·3	*	WNW	2	C	52	85	8	5	–	5	7-8	7-8	2500	1	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.—18h. 10th (37)	Weather. 18h.—18h. 10th. (38)	Weather. 18h. 10th to 1h. 11th (39)	Weather. 1h.—7h. 11th. (40)
1	London (Kew)	$cm_o cz_o$	$cbcz_o$	cfbc	cffc
	Croydon ...	cm_o	$cm_o z_o$	bccfm	bmwpm
	S. Farnborough	$cm_o c$	$cm_o bcc$	$cbbcm_o$	$cm_o fmw$
	Boscombe Down	$cm_o c$	$cbccm_o$	$cm_o fcm_o$	cm_o
	Calshot (Sthmtn.)	c	cbcb	cbwbcc	cm_o
	Lympne ...	cbccm.	cz_o	$cbcm_o$	$bccm_o$
	Manston ...	$cbcz_o$	$bccz_o$	$cbcz_o$	cm_o
2	Shoeburyness ...	$cm_o wcz_o$	cm_o	$m_o bcw$	$bm_o c$
	Felixstowe ...	$cm_o c$	$cbccm_o$	cm_o	$cm_o cm$
	Gorleston ...	c	coz_o	$id_o z_o$	$cz_o f$
	Mildenhall ...	c	cm_o	cm_o	$cm_o fe$
	Cranwell ...	$ccm_o c$	$cz_o bcm_o$	$bcm_o m$	$bcmfc$
3	Birmingham ...	c	c	c	c
	Upper Heyford	cm_o	$cm_o c$	$cbccm_o$	cm_o
4	Ross-on-Wye	cc	cbc	bcc	c
5	Bristol ...	$amm_o c$	$cm_o bc$	bcm_o	$bcm_o cw$
	Portland Bill ...	cc	c	cbc	bcc
	Plymouth ...	$cm_o c$	$c_1 m_o c$	cm_o	c
	The Lizard ...	co	oc	c	c
	Scilly (St. Mary's)	c	c	c	c
	Guernsey ...	oic.	o	o	o
6	Pembroke ...	qc	c	c	c
7	Holyhead ...	$m_o c$	c	c	c
	Chester (Sealand)	$cd_o d_i dm_o$	c	cm_o	$cd_o m_o$
8	Manchester ...	$cd_o d_o cm_o$	cm_o	$cm_o id_o$	$cm_o ff$
10	Spurn Head ...	c	c	cm_o	$cm_o wf$
	Catterick ...	c	c	cbcbw	bwbcw
	Tynemouth ...	cac	c	c	cbcc
11	St Abbs Head ...	cm	cm_o	$cm_o bc$	bcc
	Leuchars ...	$cd_o c$	$cd_o d_o pr_o$	$cwcm_o$	$cm_o bcw$
12	Renfrew (Abbotsl.)	$adm_o id_o$	$cm_o c$	c	c
	Eskdalemuir ...	c	$cid_o c$	c	c
	Point of Ayre ...	c	c	c	cdd
13A	Tiree	$add_o m$	$od_o m$	odr	odm_o
13B	Stornoway ...	cpr_o	$cd_o d_o m_o$	$cr_o r_o id_o$	cid_o
15	Dalwhinnie ...	c	$ciro$		$ciroc$
	Aberdeen ...	bcc	$cr_o od_o$	$or_o d_o$	cm_o
	Wick ...	c	c	$cr_o r_o d$	$ddcm_o$
16	Lerwick ...	cbc	$bcpr_o c$	bc	$bcpr_o c$
17	Blacksod Point	idc	$id_o c$	c	c
18	Malin Head ...	cidc	cid_o	cid_o	c
	Aldergrove ...	$cid_o c$	c	$cid_o c$	$cbccw$
19	Birr Castle ...	$oid_o c$	c	c	c
20	Valentia Obsy. †	c	$cid_o c$	c	co
	Roches Point	c	c	c	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. ,, 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.

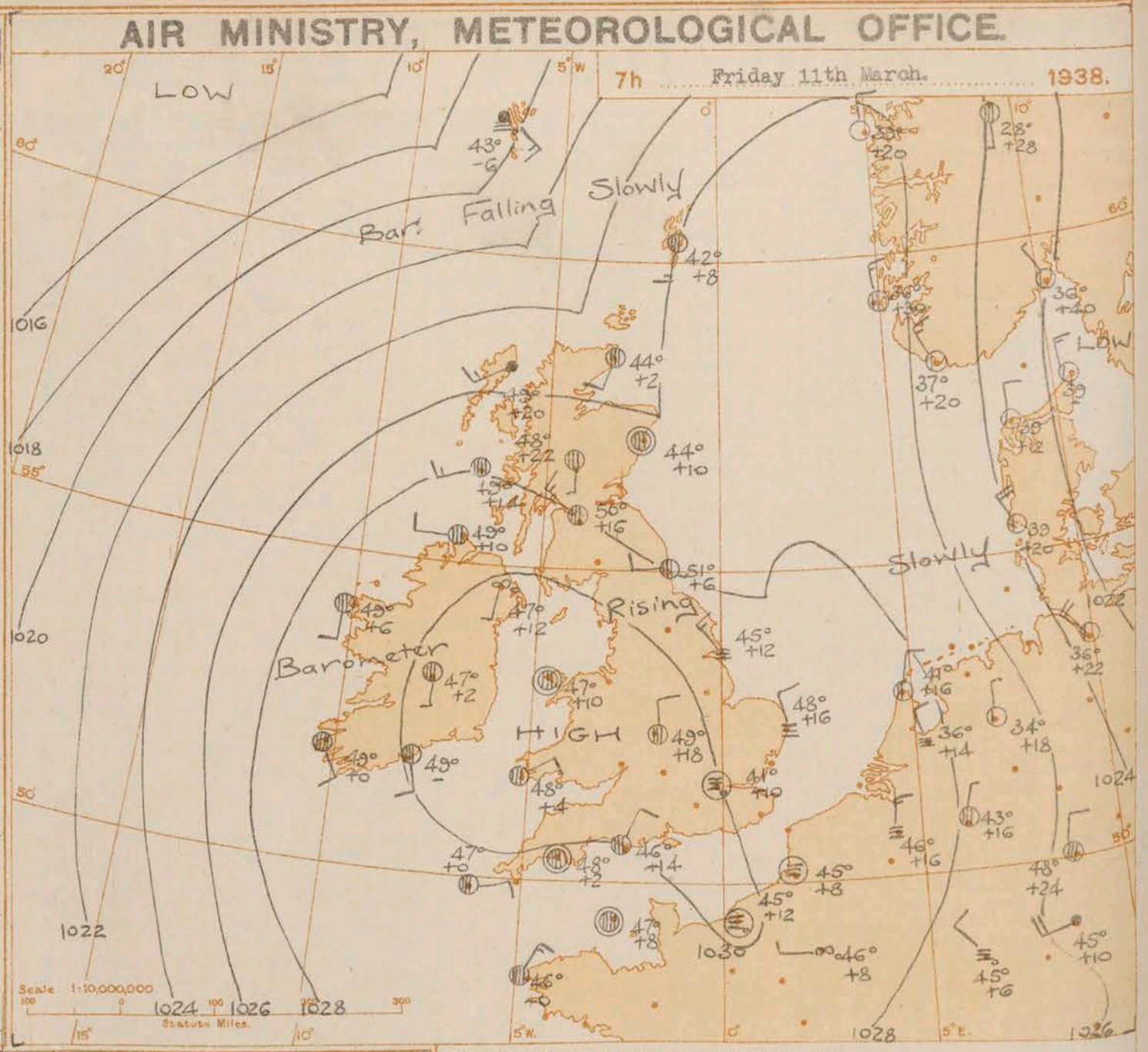
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† See disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 10th March. 1938.

Districts	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature (°F.) Min. 9h. 9th to 9h. 10th	Temperature (°F.) Max. 9h.—17h. 10th	Rainfall (mm.) Night. 17h. 9th to 9h. 10th	Rainfall (mm.) Day. 9h.—17h. 10th.	Sunshine (Hrs.) Sunrise to 17h. 10th	Sunshine (Hrs.) Sunrise to Sunset. 9th.
1	Tunbridge W.	oc	bco	44	57	-	-	2.2	8.8
	Bournemouth	ocbc	bbc	47	57	-	-	3.0	0.2
	Ventnor ...	ou	ocbz	45	53	-	-	2.3	0.8
	Southsea ...	o	cbcb	47	55	-	-	1.7	3.4
	Bognor Regis	oocc	bccbc	46	55	-	-	1.0	5.5
	Littlehampton	oc	cbc	46	58	-	-	1.8	6.5
	Worthing ...	c	cbcc	46	56	-	-	1.1	7.8
	Brighton ...	c	c	45	54	-	-	0.0	7.2
	Eastbourne† ...	co	oco	45	53	-	-	1.1	8.8
	Hastings† ...	o	cbcbc	44	50	Trace	-	0.5	9.8
	Folkestone ...	c	ccm$_o$	44	55	-	-	3.6	8.3
	Dover ...	bccbc	bcco	39	55	-	-	2.4	9.2
	Deal	cobcb	ccoo	45	61	-	-	2.5	8.2
	Ramsgate ...	cbc	bcz$_o$	47	60	-	-	3.9	7.5
	Margate ...	bc	bcc	46	58	-	-	3.0	8.7
2	Southend ...	oc	coc	44	61	Trace	-	1.0	6.1
	Clacton-on-Sea	cbc	bcc	40	60	-	-	2.5	7.6
	Dovercourt ...	bc	bcoc	45	59	-	-	4.1	8.7
	Lowestoft ...	c	cogc	45	60	-	-	0.3	5.1
	Skegness ...	cbc	bcbc	45	58	-	-	1.3	1.2
	Mablethorpe...	bcbc	bcco	49	60	-	-	4.0	0.1
	Cleethorpes ...	cbc	bcc	49	59	-	-	2.8	0.7
3	Leamington S.	c	c	45	57	-	-	0.8	5.9
4	Cheltenham†	coc	cbcz	45	55	-	-	1.7	4.4
5	Bath	c	bcc	46	52	-	-	0.3	0.9
	Weymouth ...	c	c	46	51	-	-	0.0	0.1
	Jersey ...	gc	c	46	49	-	-	0.0	0.0
	Torquay ...	cbc	cbc	46	55	-	-	2.7	0.6
	Falmouth	o	o	46	49	-	-	0.0	0.0
	Penzance ...	o	oc	46	50	-	-	0.0	0.0
	St. Ives ...	o	o	45	58	-	-	0.0	0.0
	Bude... ...	o	o	45	48	Trace	-	0.0	0.0
	Ilfracombe ...	odo	o	46	50	Trace	-	0.0	0.0
6	Aberystwyth	cdc	cid	44	47	0.5	0.3	0.0	0.0
7	Llandudno ...	oc	coc	48	52	0.5	-	0.1	0.4
	Colwyn Bay...	odcc	cco	50	54	1	-	0.0	0.5
	Rhyl	cd$_o$c	c	49	58	0.2	0.1	0.1	1.2
8	Wallasey ...	r$_o$oc	c	47	50	1	Trace	0.0	1.4
	Southport ...	idroc	c	46	50	1	Trace	0.0	0.7
	Blackpool ...	odfom	com$_o$	46	48	1	Trace	0.0	0.2
	Morecambe ...	bcmbcc	ccido	45	48	1	0.3	0.1	1.1
9	Ilkley... ...	cod$_o$c	cd$_o$c	48	52	3	Trace	0.0	0.0
	Harrogate ...	cq	c	48	53	0.1	-	1.6	0.1
10	Berwick-on-T.	ocm$_o$	d$_o$m$_o$c	49	52	0.2	Trace	0.0	4.2
11	Dunbar ...	cr$_o$	cm$_o$	47	53	Trace	-	0.0	0.3
12	Troon... ...	ccocc	ccoco	45	50	0.5	-	0.0	*
	Douglas ...	bc	bcr$_o$	48	53	-	Trace	1.6	1.3

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.–9h.



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. 11th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland	Light variable wind; fair but fog at night persisting locally on coasts during day; mild.
16 Orkney and Shetland	Moderate wind, south to west; rain or drizzle at first, clearing; mild.
17 N.W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light or moderate southerly winds; fair; mild.

GENERAL INFERENCE.

An anticyclone is centred over England. Weather will be mild and fair generally though with much fog at night.

FURTHER OUTLOOK.

Mild and fair in eastern districts; becoming unsettled in Ireland.

Forecasts issued at 1000 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2

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.

Morning of

FRIDAY 11TH MARCH.

1938.

Lambert's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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 11th March, 1938.

No. 27868.

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

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	1028·2	+1·0	W	2	3	48	97	4	-	4	-	0	1	-
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1028·2	+8·	NW	2	2_o	47	92	5	5	3	-	2·3	7-8	4000
	Manston ...	142	1027·5	+1·0	W'N	3	2_o	49	92	6	5	-	-	9+	9+	2500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1026·5	+3	WNW	2	c	51	75	6	5	-	-	1·0	1·0	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1028·6	-6	WNW	2	bc	46	85	7	4	-	-	2·3	2·3	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1029·6	0	N'E	2	c	48	85	8	5	2	-	9	10	1500
	Scilly (St. Mary's)	163	1030·2	0	NNE	1	c	48	92	8	5	-	-	10	10	2500
	Guernsey ..	175	1029·2	0	-	0	0	48	85	7	5	-	-	10	10	2500
6	Pembroke ...	142	1029·4	+2	-	0	c	47	97	7	5	2	-	4-6	10	2500
7	Holyhead ...	26	1029·0	+1·0	WNW	3	c	50	85	8	5	-	-	10	10	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1027·1	+1·2	WNW	3	c	47	97	5	5	-	-	10	10	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1026·3	+1·2	NW	3	c	51	92	7	2	6	-	2·3	7·8	1500
11	St Abbs Head .	280	1026·6	+6	SW	2	bc	48	85	7	7	1	9	2·3	4·6	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1028·0	+1·4	WNW	3	c	49	92	7	5	-	-	10	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1022·8	+8	W	4	id.	49	97	6	5	2	-	4·6	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1024·4	+1·0	SSE	3	dd	42	97	5	5	-	-	10	10	450
16	Lerwick ...	156	1024·9	+1·6	W	2	bc	38	85	8	5	-	-	2·3	2·3	2500
17	Blacksod Point	18	1028·8	+8	S	2	c	50	85	7	5	-	-	10	10	800
18	Malin Head ...	84	1027·2	+1·8	W	3	c/d	49	97	6	8	-	-	9+	9+	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1029·8	+2	-	0	0	49	97	7	5	-	-	10	10	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1030·2	+1·4	-	0	cf.	46	92	3	5	-	-	9+	9+	2500	1	*
1029·9	+1·0	-	0	m	41	97	4	5	-	-	10	10	1500	1	*
1030·3	+1·0	-	0	m	44	92	4	5	7	-	7-8	9+	2500	0	*
1030·7	+1·0	NNW	2	2_o	46	97	6	5	-	-	9+	9+	1500	1	*
1030·0	+1·6	NE	2	2_o	47	92	6	5	-	-	10	10	1500	1	1
1029·9	+1·8	N	2	2_o	49	92	5	5	7	-	7-8	9+	2500	0	1
1029·4	+1·4	NNW	2	2_o	47	92	5	5	-	-	10	10	1500	0	*
1029·4	+1·2	NW	1	c	49	92	4	5	-	-	9+	9+	2500	1	*
1029·0	+1·8	NW	1	m	48	92	4	5	3	-	4-6	9	5700	0	1
1029·1	+1·6	NNW	2	f+	48	92	2	5	-	-	10	10	4150	1	2
1029·4	+1·6	WSW	1	f+	43	97	2	-	-	-	10	10	4150	1	*
1029·7	+2·0	WSW	3	bcf	44	97	2	-	4	1	0	4-6	-	1	*
1030·4	+1·8	N'	2	cid.	49	92	5	5	-	-	10	10	1500	0	*
1030·4	+1·0	N'W	3	2_o	46	97	6	5	4	6	7-8	9	800	1	*
1030·3	+0·6	N	1	c	46	92	8	5	-	-	9+	9+	2500	0	*
1030·5	+1·8	-	0	2_o	43	97	5	5	3	-	4-6	7-8	800	1	*
1029·7	+1·4	NE	2	c	46	85	7	4	-	-	7-8	7-8	2500	0	2
1029·4	+2·2	-	0	c	48	85	8	5	-	-	10	10	2500	1	0
1029·6	+2·2	E	2	c	47	85	7	5	2	-	9	10	1500	0	1
1029·7	0	E'N	2	c	47	97	8	5	-	-	10	10	2500	0	1
1029·6	+1·8	-	0	0	47	92	6	5	-	-	10	10	2500	0	1
1029·8	+1·4	ENE	2	c	48	92	7	5	2	-	2·3	10	2500	1	2
1030·2	+1·0	-	0	c	47	92	7	5	2	-	9	10	800	0	0
1030·5	+1·2	NNW	3	2_p	49	92	6	-	2	-	10	10	800	1	*
1030·0	+1·2	NNW	1	cf	48	97	3	5	-	-	10	10	800	1	*
1029·0	+1·2	WNW	3	cf+	45	97	3	-	3	2	0	7-8	-	1	2
1029·0	+1·4	-	0	c	40	97	7	5	3	1	4-6	7-8	2500	0	*
1027·7	+0·6	W	2	c	51	92	6	5	-	-	7-8	7-8	1500	0	1
1027·4	+1·2	SW	1	c	50	85	8	7	2	-	4-6	9+	2500	0	1
1027·4	+1·4	WSW	2	c	47	97	7	5	9	-	2-3	7-8	4000	1	*
1028·2	+1·6	WNW	3	c	50	97	7	5	-	-	9	9	800	1	*
1028·7	*	W	2	c	49	92	7	5	-	-	9+	9+	1500	1	*
1030·0	+1·6	W'N	2	c/d	49	97	6	5	1	-	4-6	10	800	1	1
1028·0	+1·4	WSW	3	o	49	97	7	5	-	-	10	10	1500	1	2
1025·8	+2·0	WSW	3	id.	49	97	7	5	2	-	4-6	10	1500	1	2
*	+2·2	S	1	c	48	92	7	5	-	-	10	10	2500	0	*
1026·8	+1·0	-	0	c	44	92	6	5	7	-	9	9+	1500	1	1
1024·5	+2·2	SW	2	c	44	97	6	5	5	2	-	7-8	10	800	1	1
1026·0	+1·8	SSW	3	c/pr	42	85	8	5	7	-	4-6	7-8	1500	1	*
1029·5	+1·6	S	2	c	49	92	8	5	-	-	10	10	800	0	2
1029·5	+1·0	W	2	c	49	92	7	5	-	-	9	9	2500	1	2
1030·1	+1·2	SSW	1	2_o	47	97	6	5	-	-	10	10	4000	1	*
1029·7	+2·2	S	1	c	47	97	8	5	-	-	10	10	2500	1	*
1029·8	0	SE	2	o	49	85	8	5	-	-	10	10	2500	1	1
1030·0	*	S'E	2	c	49	85	8	5	1	-	7-8	10	2500	1	2

PAST 24 HOURS.

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)
58	44	34	-	Tr	0·6
57	45	40	-	-	0·5
57	40	33	-	Tr	0·9
53	41	38	-	-	1·5
55	43	40	-	-	3·2
57	47	40	-	-	2·6
58	46	45	-	-	3·2
62	48	37	-	-	2·5
58	46	41	-	-	3·4
60	48	45	-	Tr	1·2
58	41	36	-	Tr	1·2
56	43	41	-	-	0·2
55	48	44	-	Tr	0·0
56	45	41	-	-	*
60	45	39	-	-	4·1
50	36	36	-	-	2·2
49	44	*	-	-	*
50	47	45	-	-	0·0
48	46	*	-	-	0·0
49	47	*	-	-	0·0
50	46	45	Tr	-	0·0
49	46	*	-	-	0·0
55	46	46	Tr	-	0·4
55	49	47	1	Tr	0·0
55	47	47	2	Tr	1·4
52	45	*	-	Tr	2·6
57	40	34	Tr	-	0·5
56	49	44	0·1	-	0·1
56	45	*	0·1	-	*
55	43	36	0·1	-	0·2
54	49	48	0·1	-	0·7
52	47	44	Tr	-	0·0
53	48	*	-	0·2	0·0
51	48	48	1	0·4	0·0
47	45	*	0·4	3	0·0
49	46	42	Tr	Tr	0·0
51	43	41	0·1	0·6	1·0
48	41	*	-	4	*[6]
49	37	*	0·4	Tr	5·3
53	46	*	Tr	-	*
51	47	*	0·4	0·2	0·0
54	46	43	Tr	Tr	0·0
55	47	*	Tr	-	0·1
53	48	46	Tr	-	0·0
53	48	*	-	-	*

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_oCz_o	$cbCz_o$	cfbcflc	58	44	34	-	Tr	0·6	•	•	4
Croydon	217	cm_o	cm_oz_o	bccmwp	57	45	40	-	-	0·5	•	•	3
Greenwich (Royal Observatory)...	149	c	c	cbcm	58	48	38	-	-	0·5	73	87	4
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	0·4	•	•	•
Westminster (St James' Park) ...	27	•	•	•	59	47	40	-	-	0·6	77	85	•
Regents Pk. (Botanic Gardens)‡...	166	•	•	•	58	46	37	-	-	0·1	81	87	•
Camden Square	110	c	cbc	•	58	47	36	-	-	•	•	81	•
Kensington	80	co	c	•	57	46	37	-	-	0·4	At 18h. 84	92	•
Hampstead Observatory	450	o	o	bc	55	43	35	-	-	0·3	•	86	•

FOREIGN OBSERVATIONS

Stations.	18h. G.M.T. 10th March. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F	7h. G.M.T. 11th March. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.
Paris	1027·5	WNW	2	2_o	48	1029·0	W	1	2_o	46
Brussels	1025·0	W	2	F.	48	1028·5	N	3	F	46
Berlin	1015·3	NW'W	5	bc	46	1019·5	NW	4	c	41
Zurich	1026·2	WNW	2	bc	45	1027·1	SW	1	m	41
Rome	1022·6	WNW	3	bc	54	1021·0	NE	2	F	43

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·3	18-20h 10th	0·3	3-5h 11th

Kew Observatory. Max.	Time.	Min.	Time.
0·8	20h. 10th	0·1	13h 10th

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
50	45	Tr	0·1
48	46	1	1
52	39	Tr	Tr
57	39	-	-
*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ¶ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 12th March 1938.
No. 27869.

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0-12 Force (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	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)	SUNSHINE 10th Hrs. (36)
1	London (Kew)	1030·9	+2	NNE	2	Z_o	58	65	5	8	-	-	9+	9+	2500	Tr
	Croydon ...	1030·8	+2	ENE	1	Z_o	58	75	6	5	3	-	1	9+	4000	-
	S. Farnborough	1030·7	0	ENE	1	C	60	65	6	7	3	-	7-8	9+	2500	Tr
	Boscombe Down	1031·3	-2	ESE	1	C	59	65	7	7	3	-	4-6	7-8	1500	-
	Calshot (Stnmtn.)	1031·0	+2	SE'S	1	Z_o	54	85	6	7	3	-	2-3	9+	4000	-
	Lympne ...	1031·4	+6	NE	1	Z_o	55	75	5	7	3	-	4-6	7-8	4000	-
	Manston ...	1031·5	+4	N'E	2	Z_o	52	85	5	5	-	-	10	10	1500	-
2	Shoeburyness ...	1031·3	+4	NE'N	2	C	54	85	6	5	-	-	9+	9+	1500	-
	Felixstowe ...	1031·6	+6	WSW	1	Z_o	51	85	5	5	-	-	10	10	1500	-
	Gorleston ...	1031·4	+8	SE'E	1	C	52	85	5	5	-	-	10	10	2500	-
	Mildenhall ...	1031·1	+4	S'W	1	Z_o	55	85	6	7	-	-	10	10	4000	-
	Cranwell ...	1030·7	-2	NNW	1	C	60	65	6	7	3	-	2-3	9+	2500	-
3	Birmingham ...	1032·8	0	WNW	2	Z_o	54	75	5	5	-	-	1	1	1500	-
	Upper Heyford	1031·5	0	NNW	1	Z_o	58	75	6	7	-	-	9+	9+	2500	-
4	Ross-on-Wye	1031·2	0	NW	2	C	54	75	7	5	-	-	10	10	2500	-
5	Bristol ...	1031·6	+2	ENE	1	c/f	54	75	6	7	-	-	7-8	7-8	2500	-
	Portland Bill ...	1030·5	-6	S	2	bc	53	75	6	4	-	-	2-3	2-3	2500	-
	Plymouth ...	1030·9	+2	E'S	2	Z_o	52	85	6	5	-	-	10	10	1500	-
	The Lizard ...	1030·2	0	ESE	3	C	50	85	7	5	2	-	9	10	1500	-
	Scilly (St.Mary's)	1029·9	-6	SE'E	4	C	49	85	8	5	-	-	10	10	2500	-
	Guernsey ...	1030·0	-2	NNE	1	C	51	85	6	8	-	-	9+	9+	2500	-
6	Pembroke ...	1031·4	+2	-	0	C	53	85	7	5	2	-	4-6	9+	2500	-
7	Holyhead ...	1031·6	+2	NNW	1	C	49	92	8	7	-	-	9+	9+	2500	-
	Chester(Sealand)	1032·3	+6	NW	1	Z_o	55	75	6	5	-	-	9+	9+	4000	-
8	Manchester ...	1031·8	+6	WNW	2	Z_o	53	92	6	5	-	-	10	10	2500	-
10	Spurn Head ...	1030·7	+14	ENE	2	C	55	75	6	5	7	-	2-3	7-8	4000	-
	Catterick ...	1030·9	+4	NW	1	C	60	75	7	5	2	-	9	9+	1500	-
	Tynemouth ...	1030·1	+10	W	2	C	57	85	6	8	3	-	4-6	7-8	1500	-
11	St Abbs Head ...	1029·2	+16	WNW	3	C	55	85	7	4	7	-	4-6	7-8	2500	-
	Leuchars ...	1029·7	+8	WSW	2	C	53	85	7	7	3	1	2-3	4-6	4000	-
12	Renfrew (Abbots I.)	1030·8	+10	W	3	C	55	85	8	5	-	-	9+	9+	1500	-
	Eskdalemuir ...	1030·0	+8	NNW	2	bc	52	75	8	6	-	-	4-6	4-6	2500	-
	Point of Ayre...	1031·6	+4	NNW	1	C	54	85	7	5	-	-	10	10	800	-
13A	Tiree	1030·8	+12	W'S	3	C	51	92	8	5	-	-	9+	9+	2500	-
13B	Stornoway ...	1029·1	+8	WSW	4	C	53	75	8	5	7	-	9	9+	2500	-
15	Dalwhinnie ...	1030·2	+8	S	2	C	54	75	7	4	6	4	4-6	8	2500	-
	Aberdeen ...	1029·6	+16	NE	1	C	51	85	6	5	-	-	9+	9+	2500	-
	Wick ...	1028·2	+14	WNW	4	C	52	97	8	8	1	-	4-6	7-8	1500	-
16	Lerwick ...	1025·7	-4	S	4	dd	44	97	6	5	-	-	10	10	450	-
17	Blacksod Point	1030·3	0	S	3	C	51	75	9	5	-	-	10	10	800	-
18	Malin Head	1031·3	+8	W'N	1	C	53	75	8	8	-	-	9	9	2500	-
	Aldergrove ...	1031·4	+2	-	0	Z_o	55	85	6	8	-	-	10	10	2500	-
19	Birr Castle ...	1030·9	-2	S	1	C	55	75	8	5	2	-	7-8	10	1500	-
20	Valentia Obsy. †	1029·4	-10	SE	4	C	54	65	8	5	-	-	9+	9+	4000	-
	Roches Point	1030·4	*	ESE	3	C	51	85	8	5	1	-	7-8	10	2500	-

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

District	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0-12 Force (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)	1031·5	+8	NE	2	Z_o	57	75	5	-	-	-	0	0	-	0	*
	Croydon ...	1031·1	+6	E'N	2	m	54	85	4	-	-	-	0	0	-	1	*
	S. Farnborough	1031·1	+4	-	0	Z_o	55	85	5	5	-	-	10	10	4000	0	*
	Boscombe Down	1031·1	+2	NE'E	1	C	57	75	7	5	1	-	9	9+	4000	0	*
	Calshot (Stnmtn.)	1030·8	+2	E'S	2	Z_o	50	85	6	4	-	1	7-8	7-8	5700	1	0
	Lympne ...	1032·1	+6	NE'E	3	Z_o	48	85	6	-	-	-	0	0	-	0	§ 1
	Manston ...	1032·3	+6	E	3	bF+	44	97	1	-	-	-	0	0	-	0	*
2	Shoeburyness ...	1031·8	+4	ESE	2	bc	47	92	6	5	-	-	2-3	2-3	1500	1	*
	Felixstowe ...	1032·1	+8	ENE	2	Z_o	46	92	5	5	-	-	9+	9+	2500	0	1
	Gorleston ...	1032·0	+4	E'S	1	f	44	97	3	-	-	-	10	10	4150	0	1
	Mildenhall ...	1031·5	+4	NE'E	1	Z_o	55	85	6	-	4	-	0	2-3	-	0	*
	Cranwell ...	1031·5	+10	E'S	1	Z_o	54	86	5	5	2	-	7-8	7-8	2500	0	*
3	Birmingham ...	1031·9	+2	NNW	2	Z_o	54	65	5	-	-	-	0	0	-	0	*
	Upper Heyford	1031·6	+4	-	0	Z_o	55	75	6	-	-	-	0	ø	-	0	*
4	Ross-on-Wye	1031·3	0	N	2	b	53	75	7	5	-	-	Tr	Tr	2500	0	*
5	Bristol ...	1031·2	-2	-	0	Z_o	55	75	5	5	-	-	7-8	7-8	2500	0	*
	Portland Bill ...	1030·4	+4	ENE	2	bc	49	85	6	4	-	-	2-3	2-3	2500	1	2
	Plymouth ...	1030·4	-2	-	0	Z_o	52	85	6	-	4	-	0	Tr	-	0	0
	The Lizard ...	1030·2	0	ESE	3	c	48	92	7	5	2	-	9+	10	1500	0	2
	Scilly (St.Mary's)	1029·4	-4	SE'E	4	C	48	85	7	5	-	-	10	10	2500	0	2
	Guernsey ...	1029·9	0	m	0	m	49	92	4	-	1	8	0	4-6	-	0	1
6	Pembroke ...	1031·0	0	ESE	3	bc	51	85	7	5	-	-	2-3	2-3	4000	1	1
7	Holyhead ...	1031·5	+2	ENE	2	bc	49	92	8	5	-	-	2-3	2-3	4000	0	0
	Chester(Sealand)	1032·1	+2	-	0	m	52	85	4	-	-	-	0	0	-	0	*
8	Manchester ...	1032·0	+2	NW	1	Z_o	52	92	5	5	3	-	7-8	9+	1500	1	*
10	Spurn Head ...	1032·0	+6	SSE	1	Z_o	47	97	4	5	-	-	10	10	800	0	1
	Catterick ...	1031·5	+10	E'S	1	Z_o	57	85	5	5	-	-	10	10	1500	0	*
	Tynemouth ...	1031·2	+10	SSE	2	C	51	92	6	8	-	-	7-8	7-8	1500	0	1
11	St Abbs Head ...	1030·7	+2	-	0	C	53	85	6	5	2	-	4-6	9	1500	0	2
	Leuchars ...	1031·1	+10	SW	2	bc	55	85	8	8	3	2	2-3	4-6	4000	0	*
12	Renfrew (Abbots I.)	1031·3	+8	W'N	1	C	54	85	8	5	4	-	9	9+	1500	1	*
	Eskdalemuir ...	1031·3	+8	-	0	bc	51	85	7	5	4	4	2-3	4-6	2500	1	*
	Point of Ayre...	1031·3	+4	SSW	1	C	52	85	7	5	-	-	10	10	1500	0	1
13A	Tiree	1031·6	+8	WSW	1	C	49	85	8	5	-	4	2-3	7-8	2500	0	1
13B	Stornoway ...	1030·5	+6	WSW	2	bc	51	85	8	5	17	5	2-3	4-6	4000	1	1
15	Dalwhinnie ...	*	+12	-	0	C	49	85	8	4	6	-	4-6	7-8	2500	0	*
	Aberdeen ...	1031·2	+14	-	0	c/f+	51	85	2	8	-	-	9+	9+	2500	1	0
	Wick ...	1030·6	+12	WNW	3	C	52	85	8	5	7	-	7-8	9	1500	1	1
16	Lerwick ...	1027·7	+8	WSW	4	C	47	97	7	8	7	-	7-8	10	800	1	*
17	Blacksod Point	1029·6	-6	E	1	C	49	85	8	5	-	-	9+	9+	2500	0	2
18	Malin Head	1031·2	+2	NE	2	C	50	75	8	8	-	-	9	9	2500	0	1
	Aldergrove ...	1031·4	+2	ENE	2	C	52	85	6	5	-	-	10	10	1500	1	*
19	Birr Castle ...	1030·2	+2	S	1	ld	53	85	7	5	-	-	10	10	2500	1	*
20	Valentia Obsy. †	1028·6	-2	SE'S	3	C	53	75	8	5	-	-	9	9	5700	0	1
	Roches Point	1029·9	*	ESE	3	C	48	97	8	5	-	-	10	10	1500	1	2

PAST 24 HOURS.

District	Stations.	Weather. 7h.—18h. 11th: (37)	Weather. 12h.—18h. 11th: (38)	Weather. 18h. 11th. to 1h. 12th. (39)	Weather. 1h.—7h. 12th. (40)
1	London (Kew)	cf bmc	cbcbz$_o$	bmw	bmwcm$_o$
	Croydon ...	omfcm	cbcz$_o$	cmwcm$_o$	cwmm$_o$
	S. Farnborough	cobccm$_o$	cbccm$_o$	cbm$_o$cf	cfw
	Boscombe Down	cm$_o$c	ccm$_o$c'	bm$_o$cbm	bmcffc
	Calshot (Stnmtn.)	bcm$_o$cm$_o$	bcbbcm	cm$_o$bcm$_o$	cffc
	Lympne ...	cmm$_o$	cbz$_o$	bfcm$_o$	cm$_o$
	Manston ...	cmm$_o$	cbm$_o$f	bfcm$_o$	cz$_o$c
2	Shoeburyness ...	mm$_o$oc	cm$_o$bm$_o$w	bm$_o$wc	c
	Felixstowe ...	cm	cm$_o$bcm$_o$	cm$_o$	cm$_o$c
	Gorleston ...	ofbccz$_o$	kzff	ofz$_o$c	c
	Mildenhall ...	ofcm	cm$_o$cbz$_o$	bcm$_o$cm$_o$	cm$_o$
	Cranwell ...	bcfcbbc	ccm$_o$	cm$_o$m	cm$_o$
3	Birmingham ...	cbz	bz	bbcm	bcmf
	Upper Heyford	cm$_o$	bcm$_o$	bbcm	bccmf
4	Ross-on-Wye	comoc	cbcbb	bbm	bfwF
5	Bristol ...	cm$_o$mf	cm$_o$bcc	cbcm	bcbmF
	Portland Bill ...	cbcz$_o$	bcz$_o$	bbcz$_o$	bcbz$_o$
	Plymouth ...	cm$_o$c	cm$_o$cbz$_o$	bm$_o$w	bm$_o$wb
	The Lizard ...	c	c	cbcw	bcfcm
	Scilly (St.Mary's)	c	c	c	cz$_o$fm
	Guernsey ...	oc	cbcm	bcmbw	bzwm
6	Pembroke ...	cbcc	cbcb	b	bbccm$_o$w
7	Holyhead ...	dcdcm$_o$c	cbc	bcwmb	bwc
	Chester(Sealand)	cm$_o$om$_o$	cbz$_o$m	bmFFc	bFoFc
8	Manchester ...	cffcm$_o$	cm$_o$	cm$_o$ff	cfoFF
10	Spurn Head ...	ffbcz	czifm	bcz$_o$w	cmw
	Catterick ...	cdcmoc	c	cm$_o$	cm$_o$w
	Tynemouth ...	c	c	cocm	com
11	St Abbs Head ...	c	m$_o$c	m$_o$c	m$_o$c
	Leuchars ...	bcwbc	bcz$_o$cbc	bcm$_o$cm$_o$	cm$_o$mw
12	Renfrew (Abbots I.)	c	c	cbccm$_o$	cm$_o$
	Eskdalemuir ...	cbc	cbccbc	bcc	com$_o$
	Point of Ayre...	c	c	cw	cifw
13A	Tiree	c	c	c	c
13B	Stornoway ...	cidc	cbc	bbc	bcc
15	Dalwhinnie ...	c	cbc		c
	Aberdeen ...	dcm$_o$	cz$_o$cf	fod$_o$f	ofcfc
	Wick ...	c	c	Ffc	Ffc
16	Lerwick ...	ir$_o$oddm$_o$	ddpfc	com$_o$	oid$_o$c
17	Blacksod Point	cc	c	c	c
18	Malin Head	c	c	c	c
	Aldergrove ...	ccm$_o$	cm$_o$c	cm$_o$c	cwcm$_o$c
19	Birr Castle ...	c	coid$_o$	oid$_o$o	o
20	Valentia Obsy. †	oc	cqc	cbcc	cbcc
	Roches Point	cidc	c	oid$_o$	

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.
f$_s$, 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).
⊕, Solar halo. ⊙ lunar halo. ⫽ gale.
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 fractonimbue).
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 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, a ... little cirrus.
(Cc may occur with any ... the types 1 to 8).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. ,, 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.

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.*

† Sea disturbance reported from Dungeness.

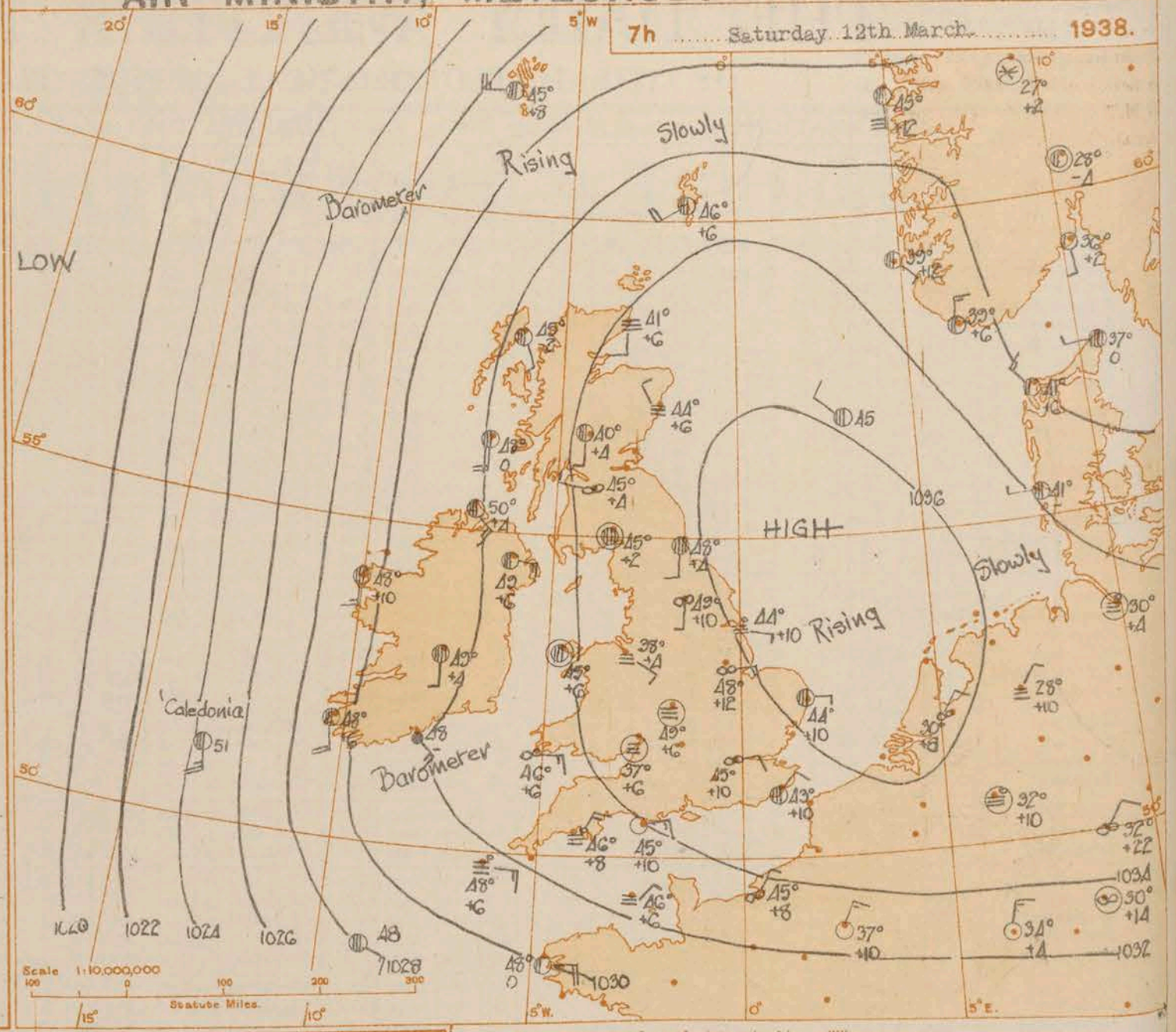
REPORTS from HEALTH RESORTS for 11th. March, 1938.

Districts	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 10th to 9h. 11th	Temperature (°F.) Max. 9h.—17h. 11th.	Rainfall (mm.) Night. 17h. 10th to 9h. 11th.	Rainfall (mm.) Day. 9h.—17h. 11th.	Sunshine (Hrs.) Sunrise to 17h. 11th.	Sunshine (Hrs.) Sunrise to Sunset. 10th.
1	Tunbridge W.	bcc	cbcb	41	60	-	-	4.1	2.2
	Bournemouth	b	cbcbb	41	62	-	-	6.0	3.0
	Ventnor ...	cbo	obz	46	58	-	-	3.7	2.5
	Southsea ...	bbc	bbcc	46	60	-	-	4.7	1.7
	Bognor Regis	bcc	bcbc	46	57	-	-	3.5	1.0
	Littlehampton	c	cbcc	47	58	-	-	2.4	1.9
	Worthing ...	c	bcbbc	47	57	-	-	2.6	1.1
	Brighton ...	cbc	bc	46	56	-	-	~~2.7~~ 3.0	~~3.7~~ 0.0
	Eastbourne† ...	oc	cbcc	48	56	-	-	3.1	1.1
	Hastings† ...	ccbc	bcbcb	48	57	-	-	2.4	0.5
	Folkestone ...	om₀c	cbcbm	49	56	-	-	0.6	3.6
	Dover ...	moc	cbcof	47	55	-	-	1.5	3.4
	Deal	mo	obf	49	55	-	-	0.8	2.5
	Ramsgate ...	z	zbc	50	57	-	-	1.4	3.3
	Margate ...	c	cbc	45	50	-	-	2.2	3.0
2	Southend ...	ambc	bcb	47	58	-	-	2.5	1.0
	Clacton-on-Sea	cocm	cbcm	47	53	-	-	1.7	2.5
	Dovercourt ...	moc	bccoc	43	54	-	-	1.0	4.1
	Lowestoft ...	cbcc	ccm₀	45	55	Trace	-	0.8	0.3
	Skegness ...	cbc	bcc	44	54	-	-	1.6	1.3
	Mablethorpe...	bbc	c	43	51	-	-	2.2	4.0
	Cleethorpes ...	bcc	bcc	46	56	-	-	4.4	2.8
3	Leamington S.	cbc	bcc	48	61	-	-	4.1	0.8
4	Cheltenham†	m₀c	cbcy	45	59	-	-	3.0	1.9
5	Bath	mc	cbcb	40	60	-	-	3.0	0.3
	Weymouth ...	ccb	b	44	56	-	-	5.8	0.0
	Jersey ...	cq	cbcb	46	56	-	-	3.7	0.0
	Torquay ...	oΣ₀	cb	48	54	-	-	2.7	2.7
	Falmouth	o	o	46	50	-	-	0.0	0.0
	Penzance ...	o	o	48	51	-	-	0.0	0.0
	St. Ives ...	o	o	46	58	-	-	0.0	0.0
	Bude... ...	cbcc	cbc	46	56	-	-	3.2	0.0
	Ilfracombe ...	ocbc	bccbc	44	53	-	-	3.7	0.0
6	Aberystwyth	czc	c	44	51	-	-	0.2	0.0
7	Llandudno ...	c	cbcb	48	55	0.5	-	3.6	0.1
	Colwyn Bay...	c	cbcb	50	55	0.5	-	3.7	0.0
	Rhyl	cm₀	cbcb	47	55	0.2	-	2.4	0.1
8	Wallasey ...	c	c	45	52	-	-	0.3	0.0
	Southport ...	om02	oc2	45	53	-	-	0.0	0.0
	Blackpool ...	ofd₀	ofom	46	52	-	Trace	0.0	0.0
	Morecambe ...	c	cbbcc	45	52	Trace	-	0.4	0.1
9	Ilkley... ...	cbbc	cbc	46	60	-	-	4.7	0.0
	Harrogate ...	bbc	bcc	44	60	-	-	5.5	1.6
10	Berwick-on-T.	bc	c	44	59	-	-	1.3	0.0
11	Dunbar ...	cm₀	cm₀	47	60	-	-	5.2	0.0
12	Troon... ...	cococ	ccocc	46	50	1	-	0.0	0.0
	Douglas ...	bcld	bcm₀	48	53	0.3	-	0.0	1.6

† Max. Temp. for period 21h. yesterday to 17h. to-day. Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE

7h ..... Saturday 12th March ..... 1938.



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

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 12th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Wind east, light; fair, sunny periods; mild by day; ground frost at night.
6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 {A. W. Scotld. B.N.W.Scotland.} 14 Mid Scotland 15 N. E. Scotland	Wind southeast, fair, mild; fog locally at night.
16 Orkney and Shetland	Wind southwest, moderate; occasional rain; mild.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 6 - 15.

H.M Stationery Office Press, Kingsway W.C.2 2332/2426 m 8020, 0 4513 Gp 348. 32240. 3/38.

GENERAL INFERENCE.

An anticyclone centred over the North Sea is moving eastwards. Weather will remain fair with considerable sunny periods. It will become cooler with ground frost at night.

FURTHER OUTLOOK.

Mainly fair and bright but cooler than of late.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

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.

Morning of

SATURDAY 12TH MARCH.

1938.

Clarke's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. 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 12th March, 1938.
No. 27869.

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

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	1033·2	+2	SSE	1	Z_o	47	97	5	5	-	-	9+	9+	4000
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1034·3	+4	ENE	2	Z_o	45	85	6	5	-	-	9+	9+	2500
	Manston ...	142	1034·3	+10	SE	1	c	45	75	6	5	-	-	10	10	1500
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1034·9	+8	SE'E	2	c	44	92	7	5	-	-	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1032·6	+6	E	3	c	47	92	6	5	-	-	9	9	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1031·4	0	NE'E	3	bc	46	97	7	5	-	-	4·6	4·6	2500
	Scilly (St. Mary's)	163	1031·1	+4	SE'S	3	c	48	92	7	5	-	-	10	10	2500
	Guernsey ...	175	1031·6	+6	-	0	Z_o	46	97	5	-	-	-	0	0	-
6	Pembroke ...	142	1031·8	+2	ESE	2	b	47	92	7	-	-	-	0	0	-
7	Holyhead ...	26	1032·3	+2	SE	1	b	45	97	7	-	-	-	0	0	-
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1034·6	+4	SE'S	1	Z_o	44	97	6	5	-	-	4·6	4·6	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1033·3	+4	S	2	c	47	92	5	2	-	-	7·8	7·8	1500
11	St Abbs Head ...	280	1033·4	+4	-	0	c	48	92	6	5	2	-	4·6	7·8	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1033·5	+2	SSE	2	c	48	97	7	5	-	-	10	10	800
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1032·6	+8	SSW	2	bc	43	97	8	5	6	-	4·6	4·6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1032·9	+12	SW	1	F	39	97	1	-	-	-	10	10	<150
16	Lerwick ...	156	1031·3	+16	W	4	o	46	97	6	5	-	-	10	10	450
17	Blacksod Point	18	1029·6	+4	S	2	c	50	75	7	5	-	-	10	10	800
18	Malin Head ...	84	1031·0	+2	ESE	3	c	51	85	7	8	-	-	7·8	7·8	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1028·8	+2	SE	4	c	48	97	8	7	-	-	7·8	7·8	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1035·3	+8	E'N	2	Z_o	48	85	5	5	-	-	9+	9+	2500	0	*
	Croydon ...	1034·8	+10	E'N	2	Z_o	45	85	6	5	-	-	10	10	2500	1	*
	S. Farnborough	1034·9	+8	ENE	2	c f	48	92	3	5	-	-	9+	9+	2500	0	*
	Boscombe Down	1034·8	+6	-	0	c f	44	97	3	5	-	-	9+	9+	4000	1	*
	Calshot (Sthmtn.)	1034·4	+4	-	0	c f	41	97	3	5	7	-	7·8	10	2500	1	0
	Lympne ...	1035·6	+10	NE'E	2	c	43	85	6	5	3	-	7·8	9+	2500	0	§1
	Manston ...	1035·9	+14	E'S	1	c	43	85	6	5	-	-	9+	9+	2500	0	*
2	Shoeburyness ...	1035·6	+14	E	3	c	44	85	7	5	-	-	9+	9+	1500	1	*
	Felixstowe ...	1036·0	+10	NE'E	1	c	43	92	7	5	2	-	7·8	10	4000	0	1
	Gorleston ...	1036·4	+10	ESE	1	c	44	85	7	5	-	-	10	10	2500	0	1
	Mildenhall ...	1035·3	+4	ESE	3	Z_o	47	92	6	5	-	-	9+	9+	4000	0	*
	Cranwell ...	1035·3	+12	E'N	2	Z_o	48	97	5	5	-	-	10	10	4000	1	*
3	Birmingham ...	1034·5	+6	-	0	f	49	92	2	-	-	-	10	10	<150	0	*
	Upper Heyford	1034·9	+6	E'N	1	bcf	46	97	3	5	-	-	4·6	4·6	5700	0	*
4	Ross-on-Wye	1034·9	+6	-	0	F	37	97	1	-	-	-	10	10	<150	0	*
5	Bristol ...	1034·5	+8	-	0	F	42	97	0	-	-	-	10	10	<150	0	*
	Portland Bill ...	1033·3	+10	ENE	3	b	45	92	6	-	-	-	0	0	-	1	3
	Plymouth ...	1032·6	+6	E	2	bc	47	85	8	-	-	1	0	2·3	-	0	1
	The Lizard ...	1032·3	+8	NE	3	m	46	97	4	5	-	-	10	10	800	1	2
	Scilly (St. Mary's)	1031·4	+6	ESE	3	m	48	97	4	5	-	-	10	10	1500	0	2
	Guernsey ...	1032·4	+6	NE'E	1	f_s	46	97	8	-	-	-	0	0	-	1	0
6	Pembroke ...	1033·7	+6	ESE	3	Z_o	46	97	5	5	7	-	4·6	7·8	2500	1	1
7	Holyhead ...	1033·8	+6	-	0	c	45	92	8	5	-	-	9+	9+	4000	0	0
	Chester (Sealand)	1034·7	+4	SE	1	m	38	97	0	-	-	-	10	10	<150	1	*
8	Manchester ...	1034·6	+6	-	0	F	47	97	1	-	-	-	10	10	<150	1	*
10	Spurn Head ...	1035·8	+10	SE'E	1	m	44	97	4	5	-	-	9+	9+	4000	1	1
	Catterick ...	1035·1	+10	S'W	1	Z_o	49	97	5	5	-	-	10	10	4000	0	*
	Tynemouth ...	1034·7	+4	S	2	o	48	92	6	-	2	-	10	10	800	0	1
11	St Abbs Head ...	1033·9	+4	-	0	c	48	97	5	5	2	-	7·8	10	800	0	2
	Leuchars ...	1035·0	+6	-	0	m	44	97	4	5	-	-	9+	9+	4000	1	*
12	Renfrew (Abbotsl.)	1034·4	+4	W'N	1	Z_o	45	97	5	5	-	-	7·8	7·8	2500	1	*
	Eskdalemuir ...	1034·9	+2	-	0	o	45	97	6	5	-	-	10	10	800	1	*
	Point of Ayre ...	1034·0	+10	S'E	3	if	46	97	4	5	4	-	2·3	2·3	800	1	2
13A	Tiree	1031·9	0	SSE	4	c	48	92	7	5	-	-	9+	9+	1500	0	2
13B	Stornoway ...	1032·8	-2	SE	1	c	45	97	8	5	§7	-	7·8	10	1500	1	0
15	Dalwhinnie ...	1035·3	+4	S	1	c	40	97	8	5	-	-	10	10	4000	0	*
	Aberdeen ...	1034·9	+6	NW'N	1	F	44	97	1	-	-	-	10	10	<150	1	0
	Wick ...	1034·1	+6	S	2	F	41	97	1	-	-	-	10	10	<150	1	1
16	Lerwick ...	1033·1	+6	SW	4	c	46	97	7	8	2	-	7·8	10	800	1	*
17	Blacksod Point	1029·9	+10	S	3	c	48	85	8	5	-	-	9+	9+	2500	0	3
18	Malin Head ...	1031·5	+4	SE	3	c	50	85	7	8	-	-	9	9	1500	0	1
	Aldergrove ...	1033·4	+6	ESE	3	c	49	92	6	5	-	-	10	10	2500	1	*
19	Birr Castle ...	1030·8	+4	S	1	o	49	97	7	5	-	-	10	10	2500	1	*
20	Valentia Obsy.†	1029·7	+6	SSE	4	c	48	85	8	5	-	-	7·8	10	1500	0	1
	Roches Point	1031·9	*	SE	3	id_o	48	97	6	5	-	-	10	10	800	1	2

PAST 24 HOURS.

District	Stations	Temperatures. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h ins. (34)	Rainfall. Night 18h–7h ins. (35)	Sunshine 11th Hrs. (36)
1	London (Kew)	60	47	34	-	-	4·8
	Croydon ...	61	45	40	-	-	3·4
	S. Farnborough	62	37	31	-	Tr	2·8
	Boscombe Down	61	40	36	Tr	Tr	3·1
	Calshot (Sthmtn.)	55	40	38	-	Tr	6·0
	Lympne ...	56	41	36	-	-	4·2
	Manston ...	53	42	41	-	-	2·4
2	Shoeburyness ...	55	43	39	-	-	2·9
	Felixstowe ...	52	42	42	-	-	0·5
	Gorleston ...	54	42	41	-	-	1·6
	Mildenhall ...	61	46	40	Tr	-	2·3
	Cranwell ...	60	47	41	-	-	5·0
3	Birmingham ...	57	42	32	-	-	4·0
	Upper Heyford	59	45	36	-	-	*
4	Ross-on-Wye	58	36	29	-	0·1	2·7
5	Bristol ...	59	39	32	-	-	3·6
	Portland Bill ...	55	43	*	-	-	*
	Plymouth ...	54	46	40	-	Tr	0·9
	The Lizard ...	50	45	*	-	Tr	0·0
	Scilly (St. Mary's)	49	47	*	-	-	0·0
	Guernsey ...	52	44	35	-	-	3·8
6	Pembroke ...	57	44	*	-	-	2·3
7	Holyhead ...	55	42	36	0·1	0·1	0·0
	Chester (Sealand)	56	38	35	-	Tr	0·9
8	Manchester ...	54	44	40	-	-	0·0
10	Spurn Head ...	58	43	*	-	Tr	3·6
	Catterick ...	60	49	46	Tr	-	0·8
	Tynemouth ...	60	46	42	-	-	1·1
11	St Abbs Head ...	57	47	*	-	-	*
	Leuchars ...	63	44	36	-	-	6·0
12	Renfrew (Abbotsl.)	56	42	40	-	-	0·1
	Eskdalemuir ...	62	39	35	-	-	4·9
	Point of Ayre ...	56	45	*	-	-	0·4
13A	Tiree	53	46	41	-	-	3·1
13B	Stornoway ...	56	41	*	0·1	-	2·5
15	Dalwhinnie ...	57	35	28	-	-	3·8
	Aberdeen ...	56	43	38	Tr	Tr	0·3
	Wick ...	55	38	*	0·6	Tr	*
16	Lerwick ...	49	44	*	0·6	Tr	0·0
17	Blacksod Point	51	46	*	-	-	*
18	Malin Head ...	53	47	*	-	-	0·0
	Aldergrove ...	56	47	43	-	-	0·0
19	Birr Castle ...	55	48	*	Tr	0·1	0·0
20	Valentia Obsy.†	54	47	43	-	-	0·1
	Roches Point	52	47	*	0·2	0·3	*

LONDON OBSERVATIONS

Day 7h–18h, Kew & Croydon.
8h–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	cfbmc	cbcbz$_o$	bmw	60	47	34	-	-	4·8	*	*	5
Croydon	217	omfcm	cbcz$_o$	cmwcm$_o$	61	45	40	-	-	3·4	*	*	6
Greenwich (Royal Observatory)...	149	cm$_o$	cb	bm$_o$c	59	45	34	-	-	3·2	68	81	5
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	4·0	*	*	*
Westminster (St James' Park) ...	27	*	*	*	61	47	43	-	-	2·2	65	74	*
Regents Pk. (Botanic Gardens)[...	168	*	*	*	64	47	34	-	-	3·6	71	77	*
Camden Square	110	b	c	*	63	47	39	-	-	*	*	76	*
Kensington	80	bc	c	*	60	47	39	-	-	2·5	At 18h. 70	77	*
Hampstead Observatory	450	bc	bcm	om	53	43	38	-	-	5·7	*	78	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

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

South Kensington. Max.	Time.	Min.	Time.
0·6	19–21h. 11th.	<0·3	6–7h. 12th.

Kew Observatory. Max.	Time.	Min.	Time.
0·8	21h. 11th.	0·2	15h. 11th.

FOREIGN OBSERVATIONS.

18h G.M.T. 11th March

Stations	Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.
Paris	1031·4	NNE	3	c	48
Brussels	1026·5	NNW	4	b	45
Berlin	1027·6	S	1	Z_o	48
Zurich	1018·3	W	5	bc	54
Rome					

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

Barom mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.
1032·9	NE	3	b	37
1035·8	ENE	2	b	34
1036·6	NE	2	b	34
1019·9	E	3	b	43

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
52	37	-	-
*	32	*	-
54	34	0·1	-
*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

‡ 1 hr. observations are from Valentia W/T Station. † Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 13th March, 1938.
No. 27870.

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

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)	1036.5	+2	E'N	3	z_o	52	65	5	5	-	-	10	10	1500
	Croydon ...	1036.0	+2	NE'E	2	c	53	75	6	5	6	-	4-6	7-8	4000
	S. Farnborough	1036.0	+2	ENE	2	c	53	65	6	5	-	-	9+	9+	4000
	Boscombe Down	1035.8	-2	E	3	z_o	53	75	6	5	-	-	9+	9+	2500
	Calshot (Sthmtn.)	1035.8	+4	E	2	z_o	47	92	6	5	-	-	9+	10	4000
	Lympne ...	1036.4	-4	NE	3	b	51	55	8	-	-	-	0	0	-
	Manston ...	1036.4	-4	ENE	3	b	49	65	7	5	-	-	Tr	Tr	4000
2	Shoeburyness ...	1036.9	+2	E'N	3	b	48	75	7	-	4	-	0	Tr	-
	Felixstowe ...	1037.2	-4	E'N	1	c	47	75	8	5	-	-	7-8	7-8	4000
	Gorleston ...	1036.8	+2	SE'E	2	b	47	75	6	-	-	-	0	0	-
	Mildenhall ...	1036.9	+2	SE	1	c	51	75	8	5	-	-	9	9	4000
	Cranwell ...	1036.5	0	SEE	2	c	57	75	7	8	3	-	9	9+	2500
3	Birmingham ...	1035.9	+2	SSE	2	z_o	55	75	5	5	-	-	9	9	4000
	Upper Heyford	1036.4	0	ESE	2	z_o	54	75	6	5	-	-	9+	9+	4000
4	Ross-on-Wye	1035.2	0	SE	2	m	55	75	4	5	-	-	10	10	800
5	Bristol ...	1035.5	+4	E	2	z_o	54	85	6	5	-	-	10	10	2500
	Portland Bill ...	1034.7	+2	E	3	c	47	85	6	4	-	-	7-8	7-8	2500
	Plymouth ...	1034.1	+2	E	3	c	53	75	7	5	7	-	4-6	9+	1500
	The Lizard ...	1033.0	+2	ENE	4	b	51	85	6	-	-	-	0	0	-
	Scilly (St.Mary's)	1032.9	+4	ESE	4	z_o	54	85	5	-	-	-	0	0	-
	Guernsey ...	1032.8	-6	NE	4	b	52	75	7	-	-	-	0	0	-
6	Pembroke ...	1033.7	0	SE	5	z_o	55	85	6	-	-	-	0	0	-
7	Holyhead ...	1034.6	0	S	2	c	57	75	7	5	-	-	9	9	4000
	Chester(Sealand)	1035.6	-2	SSE	3	z_o	56	75	5	5	-	-	9	9	4000
8	Manchester ...	1035.7	-2	ESE	1	cf-	58	75	3	5	-	-	9+	9+	4000
10	Spurn Head ...	1036.7	+4	ESE	2	bc	51	85	6	-	7	-	0	2-3	-
	Catterick ...	1035.7	-2	SE	2	z_o	58	75	5	5	-	-	9+	9+	4000
	Tynemouth ...	1035.5	0	SE	2	bc	51	92	5	5	7	-	4-6	4-6	800
11	St Abbs Head .	1035.1	+6	SSW	1	c	57	85	5	5	2	-	7-8	9+	2500
	Leuchars ...	1035.4	-2	-	0	c	50	92	5	5	-	-	10	10	4000
12	Renfrew (Abbots I.)	1034.8	0	-	0	z_o	56	85	5	2	-	-	4-6	4-6	4000
	Eskdalemuir ...	1035.2	0	SW	2	c	55	75	7	5	-	-	9+	9+	2500
	Point of Ayre...	1036.0	0	S'E	2	m	51	92	4	5	-	-	9+	9+	1500
13A	Tiree	1032.9	+2	SE'S	3	c	50	92	6	5	-	-	9+	9+	2500
13B	Stornoway ...	1033.0	+2	SSW	4	c	50	85	8	5	7	-	7-8	10	2500
15	Dalwhinnie ...	1034.9	0	SW	3	c	53	75	8	4	2	-	4-6	10	4000
	Aberdeen ...	1034.6	-2	S	3	bc	55	75	6	5	4	-	2-3	2-3	7200
	Wick ...	1034.0	-4	S	2	bc	48	92	7	5	4	-	2-3	4-6	1500
16	Lerwick ...	1034.1	+2	SW	2	c	48	85	8	8	7	-	7-8	9	800
17	Blacksod Point	1031.2	+12	S	4	bc	50	75	8	2	3	-	4-6	4-6	4000
18	Malin Head ...	1032.8	+2	S	4	c	53	75	6	8	-	-	9+	9+	2500
	Aldergrove ...	1033.9	+2	SSE	3	z_o	55	75	6	8	-	-	9+	9+	2500
19	Birr Castle ...	1032.4	+4	SSW	1	c	55	75	7	5	1	-	4-6	9	2500
20	Valentia Obsy. †	1031.7	+2	SE'S	2	cidq	50	92	8	5	-	-	10	10	1500
	Roches Point	1033.2	*	SE	3	m	45	97	4	5	-	-	10	10	450

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

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)	1035.5	-2	E'S	3	z_o	50	65	6	-	-	-	0	0	-	0	*
	Croydon ...	1035.2	-2	E'N	2	z_o	48	75	6	-	-	-	0	0	-	1	*
	S. Farnborough	1035.0	-4	ENE	1	z_o	51	65	6	5	-	-	2-3	2-3	2500	0	*
	Boscombe Down	1034.9	-2	ENE	2	z_o	51	75	6	-	-	-	0	0	-	0	*
	Calshot (Sthmtn.)	1034.6	-2	ESE	3	b	47	75	8	-	-	-	0	0	-	1	2
	Lympne ...	1036.3	+2	NNE	3	b	41	75	8	-	-	-	0	0	-	0	2
	Manston ...	1036.1	-2	NE	3	b	41	85	7	-	-	-	0	0	-	0	*
2	Shoeburyness ...	1036.3	-4	E	3	b	44	85	7	-	-	-	0	0	-	1	*
	Felixstowe ...	1036.8	0	ENE	3	b	43	85	8	-	-	-	0	0	-	0	2
	Gorleston ...	1037.0	+4	ESE	2	bc	43	92	6	-	4	-	0	2-3	-	0	1
	Mildenhall ...	1035.7	-4	SES	2	b	50	75	8	5	-	-	Tr	Tr	4000	0	*
	Cranwell ...	1035.8	-2	SSE	2	bc	54	85	8	4	4	-	2-3	2-3	4000	0	*
3	Birmingham ...	1035.7	0	ESE	2	z_o	54	75	6	5	-	-	9	9	4000	0	*
	Upper Heyford	1035.7	+2	E	1	b	51	75	7	5	-	-	1	1	4000	0	*
4	Ross-on-Wye	1034.7	-4	E'S	1	z_o	54	85	5	5	-	-	10	10	2500	0	*
5	Bristol ...	1034.6	-2	E	2	z_o	54	75	6	5	-	-	7-8	7-8	2500	0	*
	Portland Bill ...	1033.9	-4	E	3	bc	45	85	7	4	-	-	2-3	2-3	2500	1	2
	Plymouth ...	1033.9	-4	ENE	3	b	50	75	8	5	-	-	Tr	Tr	2500	0	1
	The Lizard ...	1032.3	-4	ENE	4	bc	47	85	6	5	-	-	2-3	2-3	2500	0	2
	Scilly (St.Mary's)	1032.1	-6	ESE	5	b	49	85	7	-	-	-	0	0	-	0	3
	Guernsey ...	1032.5	0	NE	4	b	47	85	7	-	-	-	0	0	-	0	2
6	Pembroke ...	1033.6	-2	SE	4	bc	51	85	7	7	-	-	4-6	4-6	2500	1	2
7	Holyhead ...	1034.5	+2	-	0	c	52	85	7	7	-	-	9+	9+	4000	0	0
	Chester(Sealand)	1035.0	0	SE	1	m	53	85	4	5	-	-	1	1	4000	0	*
8	Manchester ...	1034.9	0	S	1	m	55	85	4	5	3	-	9	10	5700	1	*
10	Spurn Head ...	1036.6	0	ESE	2	b	45	92	5	-	4	-	0	1	-	0	1
	Catterick ...	1035.3	+2	SSE	1	z_o	55	85	5	5	-	-	9+	9+	4000	0	*
	Tynemouth ...	1035.1	0	SSE	2	c	52	92	6	5	-	-	9+	9+	800	0	1
11	St Abbs Head .	1034.8	-8	SSW	1	c	54	85	6	5	2	-	7-8	9	1500	0	1
	Leuchars ...	1034.9	0	-	0	bc	49	92	5	5	-	-	4-6	4-6	4000	0	*
12	Renfrew (Abbots I.)	1034.3	0	W	1	z_o	55	85	6	7	-	-	9	9	4000	0	*
	Eskdalemuir ...	1035.2	+2	WNW	1	c	52	75	7	5	-	-	9+	9+	2500	1	*
	Point of Ayre...	1035.0	0	-	0	c	48	92	6	5	-	-	9+	9+	1500	0	0
13A	Tiree	1032.5	-2	S'E	3	c	49	92	6	5	-	-	9+	9+	2500	0	2
13B	Stornoway ...	1031.9	-4	SW	5	c	50	85	7	5	7	-	7-8	9+	2500	1	2
15	Dalwhinnie ...	1034.9	+2	SW	1	c	48	85	7	4	6	-	4-6	9	2500	0	*
	Aberdeen ...	1034.1	0	SWS	2	c	51	85	5	5	-	-	9+	9+	7200	1	0
	Wick ...	1033.3	+2	SSW	3	c	46	97	7	5	2	-	7-8	9+	1500	1	1
16	Lerwick ...	1032.8	-4	SSW	4	F	44	97	1	-	-	-	10	10	4150	1	*
17	Blacksod Point	1031.5	+4	S	3	c	50	75	9	5	-	-	7-8	7-8	4000	0	2
18	Malin Head ...	1032.5	0	S	1	z_o	52	85	6	8	5	-	4-6	9	1500	0	1
	Aldergrove ...	1033.6	+2	SE'E	3	z_o	53	75	6	5	-	-	9+	9+	4000	1	*
19	Birr Castle ...	1032.4	+2	SSW	1	b	53	85	8	-	-	-	0	0	-	1	*
20	Valentia Obsy. †	1031.5	+2	SSE	4	c	51	85	8	5	-	-	9	9	1500	0	1
	Roches Point	1032.9	*	ESE	3	m	48	97	4	5	-	-	10	10	450	1	2

PAST 24 HOURS.

Weather. 7h.–18h. 12th (37)	13h.–18h. 12th (38)	18h. 12th–1h. 13th (39)	1h.–7h. 13th (40)
$cm_o z_o$	$cz_o bz_o$	$bz_o bm_o$	$bm_o Fe$
cm_o	$bc bz_o$	$bz_o wx$	$bm_o xF$
$cfmm_o c$	$cbc bm_o$	$bm_o x$	$bm_o fFox$
$cffmcm_o$	$cm_o c, bm_o$	bm_o	$bm_o x$
$cffecm_o$	$cm_o bm_o b$	bbm_o	$bm_o x$
$cm_o by$	by	bw	bwbcc
b	b	bw	bwbcc
cbcb	b	b	bcm_o
c	cbc by	bcc	bcc
cbcb	bbc	bbcz	cz_o
$cm_o c$	cb	bxbcx	bcc
$cbccm_o$	cbc	$bbm_o w$	$bwcm_o m$
fcz	cbccz	cb	bwx
bcfcm	$cm_o cb$	bbm_o	$bm_o x$
Fcfofom	$cmbcz_o z$	$cm_o bm_o$	bmfx
$Fcmm_o$	$cbcz_o c$	cbc, bm_o	$bm_o xw$
bcz_o	cbc	b	b
bbcc	$cz_o cbcb$	b	b
cbcb	bbc	bcb	pbcw
$cm bz_o$	$bz_o b$	b	b
bmz	bz	bw	bwb
$cm_o bcb$	$bm_o bc$	$bcbm_o w$	$m_o b$
wc	cbcc	$cm_o wbc$	cm_o
$cFFebcm_o c$	$cz_o bcm$	bmw	$bm_o wff$
$cFFcff$	$cfbcz_o cm$	$bcmm_o$	$bm_o w$
mcbc	bcz_o	bbcw	cw
cm_o	cm_o	cm_o	$cm_o Fx$
ocm	bcc	com	om_o
$m_o c$	$m_o c$	$gbcm_o$	c
$cm_o cm_o$	$cm_o bcm_o$	$bccm_o w$	$cm_o mm_o w$
$cbcm_o$	$bccz_o$	cz_o	bcwcff
$om_o c$	c	$cbcm_o$	$bccm_o$
cfffz	cz_o	cbcz	bFfc
cz_o	cz_o	cz_o	cz_o
cpr_o	c	cm_o	c
c	c	c	c
$Febz_o$	$bczcz_o$	$cz_o bwc$	wcz_o
$Ffbc$	bcc	c	c
c	oFFe	FFec	c
cbc	cbc	bc	bc
c	z_o	cz_o	z
$cbz_o cz_o$	cz_o	$cz_o bm_o w$	$bm_o wc$
oc	cb	bbcc	cbcb
cid_o	$cid_o c$	cbbc	bcb
$id_o om$	ome	mffebc	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).
⊕, Solar halo. ⊙ lunar halo. ⁄ gale.
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.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 . . Ground covered with thawing snow.
7 . . ,, 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.

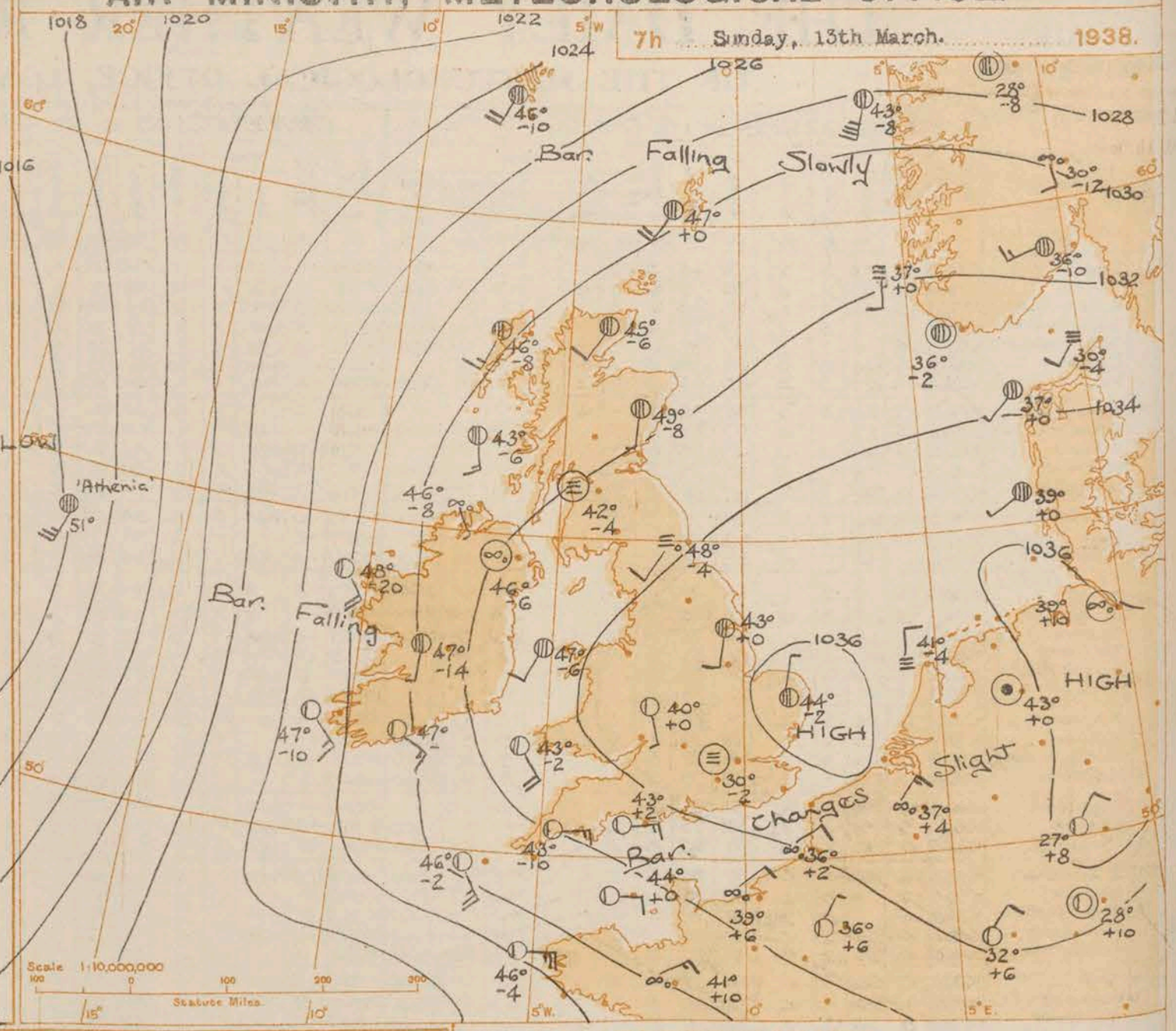
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 12th March 1938

Districts	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature (°F). Min. 9h. 11th to 9h. 12th.	Temperature (°F). Max. 9h.–17h. 12th.	Rainfall (mm.) Night. 17h. 11th to 9h. 12th.	Rainfall (mm.) Day. 9h.–17h. 12th.	Sunshine (Hrs.) Sunrise to 17h. 12th.	Sunshine (Hrs.) Sunrise to Sunset. 11th.
1	Tunbridge W.	cbc	b	44	56	-	-	6.2	4.1
	Bournemouth	oc	bcbb	39	56	-	-	3.6	6.3
	Ventnor ...	o	b	46	53	-	-	4.7	3.9
	Southsea ...	ocbc	b	42	56	-	-	4.7	4.7
	Bognor Regis	oocbc	b	45	53	-	-	5.5	3.5
	Littlehampton	ocbc	bcb	44	54	-	-	5.4	2.4
	Worthing ...	obcb	b	45	54	-	-	5.5	2.6
	Brighton ...	cb	b	43	56	-	-	6.5	0.0
	Eastbourne† ...	ocb	b	43	50	-	-	7.3	3.1
	Hastings† ...	cbcbb	b	43	54	-	-	7.4	2.4
	Folkestone ...	bcbb	b	42	49	-	-	8.4	0.6
	Dover ...	b	b	43	51	-	-	8.1	1.5
	Deal	ob	b	43	51	-	-	8.0	0.8
	Ramsgate ...	bc	bc	44	52	-	-	8.0	1.4
	Margate ...	bcb	b	43	49	-	-	8.5	2.2
2	Southend ...	cbc	bcb	43	54	-	-	5.6	2.5
	Clacton-on-Sea	cbc	bcbv	42	47	-	-	4.9	1.7
	Dovercourt ...	oc	bv	43	50	-	-	4.2	1.0
	Lowestoft ...	cbcbb	b	42	51	-	-	5.2	0.8
	Skegness ...	mcbb	b	43	52	-	-	5.5	1.6
	Mablethorpe ...	cbc	b	41	53	-	-	5.8	2.2
	Cleethorpes ...	cbc	bc	44	57	-	-	6.2	4.4
3	Leamington S.	o	oc	43	56	-	-	0.8	4.1
4	Cheltenham†	womoc	cbcc	41	57	-	-	0.6	3.2
5	Bath	c	cbc	40	58	-	-	0.7	3.0
	Weymouth ...	c	cbb	43	54	-	-	4.6	5.8
	Jersey ...	bzb	b	44	55	-	-	8.6	3.7
	Torquay ...	wbcm.	cbcb	42	51	-	-	5.6	3.1
	Falmouth	b	b	43	54	-	-	6.8	0.0
	Penzance ...	bcbb	bbccb	44	56	-	-	7.3	0.0
	St. Ives ...	b	b	47	58	-	-	3.2	0.0
	Bude	wbbc	b	34	60	-	-	8.6	3.2
	Ilfracombe ...	bcb	bbcc	45	56	-	-	7.9	3.9
6	Aberystwyth	zbc	bccz	46	59	-	-	5.0	0.2
7	Llandudno ...	c	bcbbc	43	57	-	-	4.3	4.0
	Colwyn Bay ...	oc	cbcc	42	58	-	-	3.2	3.7
	Rhyl	cm.bc	bcm.	40	61	-	-	4.2	2.8
8	Wallasey ...	fc	cbcm	41	59	-	-	1.1	0.7
	Southport ...	om	mcm	42	59	-	-	0.5	0.0
	Blackpool ...	cf	bcf	48	58	-	-	0.0	0.0
	Morecambe ...	c	c	47	56	-	-	0.0	0.4
9	Ilkley	foc	c	46	59	-	-	0.0	4.2
	Harrogate ...	c	cb	48	59	-	-	1.8	5.5
10	Berwick-on-T.	cm.	cm.	45	56	-	-	0.0	1.3
11	Dunbar ...	oef	bcm.	47	54	-	-	0.0	5.2
12	Troon	ccbcb	bccc	44	56	-	-	2.0	0.0
	Douglas ...	bcofwobcf		44	54	-	-	0.4	0.0

Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Wind east, light; mainly fair; local fog night and morning; average temperature, ground frost at night.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ...	Wind southeast light to moderate; fine; local morning fog; mild by day, ground frost at night.
10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Wind light southerly; mainly fair; local fog night and morning; average temperature.
13 A. W. Scotld. B. N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland	Wind southerly, light to moderate; freshening; fair at first, rain probable later; mild.
18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Wind southeast, light to moderate, freshening; fine; rather mild.

H.M. Stationery Office Press, Kingsway, W.C.2. C332/3426 m 8020. 3.45/3. Gp.348. 32240. 3/38.

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.

An anticyclone over Germany and the North Sea is moving slowly southeast while a deep depression in Mid-Atlantic is moving northeast. Weather will remain fair in most districts with considerable sunny periods. Temperature will be about or somewhat above normal.

FURTHER OUTLOOK.

Fair in the Southeast, unsettled in the Northwest with winds probably reaching gale force.

Forecasts issued at 1130 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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.

Morning of

SUNDAY 13TH MARCH

1938.

Lambert's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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 13th March, 1938.
No. 27870

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

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	1035·9	+2	E'N	1	Z_o	35	92	6	–	–	–	0	0	–
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1036·1	–6	NE'E	2	b	37	85	7	–	–	–	0	0	–
	Manston ...	142	1036·2	–2	E	1	b	38	92	8	–	–	–	0	0	–
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	c	*	*
	Gorleston ...	5	1036·8	+2	–	0	c	43	86	5	5	–	–	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1033·4	–2	E	3	b	45	85	7	–	–	–	0	0	–
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1032·1	0	ENE	5	b	45	92	8	–	–	–	0	0	–
	Scilly (St. Mary's)	183	1031·3	–2	ESE	5	b	46	85	7	–	–	–	0	0	–
	Guernsey ...	175	1032·7	0	ENE	1	b	46	85	6	–	–	–	0	0	–
6	Pembroke ...	142	1033·2	–2	SE	4	Z_o	48	92	6	5	–	–	Tr	Tr	4000
7	Holyhead ...	28	1034·2	–4	SE'S	2	m	46	92	4	5	–	–	10	10	4000
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ..	29	1036·6	0	SE	2	c	44	97	6	5	–	–	9+	9+	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1034·5	–2	SW	2	0	43	92	5	5	–	–	10	10	800
11	St. Abbs Head	280	1033·3	–4	SSE	1	bc	51	75	5	–	3	1	0	4·6	–
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ..	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1034·6	–4	S	2	bc	45	92	6	–	3	–	0	4·6	–
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1032·0	–4	SW	3	c	48	92	6	5	2	–	7·8	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1032·2	–4	W	1	c	48	92	7	5	7	–	7·8	9+	1500
16	Lerwick ...	156	1031·0	–12	SW	3	c	47	92	7	8	7	–	7·8	9	800
17	Blacksod Point	18	1031·1	–10	S	3	bc	48	92	7	3	–	–	4·6	4·6	1500
18	Malin Head ...	84	1032·2	–4	S	1	Z_o	51	85	6	6	–	–	9	9	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1030·7	0	SSE	3	bc	47	97	8	8	–	–	2·3	2·3	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1035·5	–2	–	0	F	37	97	1	–	–	–	10	10	<150	0	*
	Croydon ...	1035·5	–2	–	0	F	30	97	2	–	–	–	10	10	<150	1	*
	S. Farnborough	1035·5	0	–	0	F	28	97	1	–	–	–	10	10	<150	3	*
	Boscombe Down	1035·0	0	E	2	Z_o	35	85	5	–	–	–	0	0	–	3	*
	Calshot (Sthmtn.)	1034·2	+2	NE'N	3	Z_o	39	75	6	–	–	–	0	0	–	1	2
	Lympne ...	1035·6	–2	NE'E	2	c	40	85	8	5	–	–	9	9	5700	0	§1
	Manston ...	1035·6	+2	NE	2	c	42	85	8	5	–	–	9+	9+	4000	0	*
2	Shoeburyness...	1035·5	–2	–	0	c	39	92	6	5	–	–	9+	9+	2500	1	*
	Felixstowe ...	1036·0	0	NE'N	1	c	41	92	7	5	–	–	9+	9+	5700	0	1
	Gorleston ...	1036·1	–2	NNE	1	c	44	85	6	5	–	–	10	10	2500	0	1
	Mildenhall ...	1035·6	–2	–	0	c	39	92	7	5	–	–	9	9	4000	0	*
	Cranwell ...	1035·7	+2	–	0	cf+	37	97	3	5	–	–	7·8	7·8	4000	1	*
3	Birmingham ...	1035·3	0	SSE	1	b	40	92	8	–	–	–	0	0	–	0	*
	Upper Heyford	1035·7	–4	E	1	bf	35	85	6	–	–	–	0	0	–	0	*
4	Ross-on Wye	1034·7	0	–	0	bf	32	97	2	–	–	–	0	0	–	0	*
5	Bristol ...	1034·8	0	SSE	1	Z_o	33	85	6	–	–	–	0	0	–	0	*
	Portland Bill ...	1035·1	+2	E	3	b	43	92	7	–	–	–	0	0	–	0	3
	Plymouth ...	1032·2	–10	E	3	b	43	85	7	–	5	–	0	Tr	–	0	1
	The Lizard ...	1031·2	–2	E'N	5	bc	45	92	7	7	–	–	2·3	2·3	4000	0	3
	Scilly (St. Mary's)	1030·4	–2	SE	5	b	46	92	7	–	–	–	0	0	–	0	3
	Guernsey ...	1032·4	0	E	2	b	44	85	6	–	–	–	0	0	–	0	1
6	Pembroke ...	1032·6	–2	SE	4	bc	43	92	7	5	–	–	2·3	2·3	4000	1	2
7	Holyhead ...	1032·7	–6	SW'S	2	c	47	92	6	5	–	–	9	9	2500	0	0
	Chester(Sealand)	1034·4	–4	SE'S	2	bf	37	97	3	–	–	–	0	0	–	0	*
8	Manchester ...	1034·7	–2	ESE	2	bfg	39	97	5	–	–	–	0	0	–	1	*
10	Spurn Head ..	1035·6	0	SSW	2	c	43	97	6	5	–	–	9	9	2500	0	1
	Catterick ...	1034·4	–8	SSE	2	F	43	97	1	–	–	–	10	10	<150	0	*
	Tynemouth ...	1035·4	–4	SW	2	m	48	97	4	5	–	–	10	10	800	1	1
11	St. Abbs Head	1033·1	0	SSW	1	c	51	75	7	–	3	–	0	10	–	0	1
	Leuchars ...	1033·0	–6	–	0	Z_o	44	97	5	5	–	–	9+	9+	4000	1	*
12	Renfrew (Abbotsl.)	1032·6	–4	–	0	cf+	42	97	2	5	3	–	7·8	7·8	4000	0	*
	Eskdalemuir ..	1033·6	–4	–	0	c	41	92	6	5	–	–	9+	9+	800	1	*
	Point of Ayre...	1032·3	–10	S	3	cf-	45	97	2	–	3	–	0	7·8	–	1	1
13A	Tiree	1030·1	–6	SSE	3	c	43	97	5	5	3	–	9	9+	2500	0	2
13B	Stornoway ...	1030·0	–6	SSW	3	c	46	97	6	5	2	–	9	10	2500	1	2
15	Dalwhinnie ...	1032·5	–6	S	3	c	45	92	6	5	–	–	10	10	2500	0	*
	Aberdeen ...	1031·7	–8	S	1	c	43	85	6	5	3	–	9+	9+	4000	1	0
	Wick ...	1031·0	–6	SW	2	c	45	97	7	5	2	–	7·8	10	1500	1	1
16	Lerwick ...	1030·2	0	SW	4	c	47	92	7	5	7	–	7·8	9	800	1	*
17	Blacksod Point	1027·5	–20	SE	4	bc	48	85	8	–	4	–	0	2·3	–	0	3
18	Malin Head ...	1030·4	–8	SE	1	Z_o	46	92	6	4	7	–	4·6	7·8	2500	0	1
	Aldergrove ...	1032·2	–6	–	0	Z_o	46	92	6	5	–	–	10	10	4000	1	*
19	Birr Castle ...	1029·6	–14	S	1	b	47	85	7	–	–	–	0	0	–	1	*
20	Valentia Obsy. †	1027·2	–10	ESE	3	b	47	85	8	–	–	–	0	0	–	0	1
	Roches Point	1029·7	*	ESE	3	b	47	85	8	–	–	–	0	0	–	1	2

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 12–12 Hrs. (36)
1	London (Kew)	54	34	24	–	Tr	2·1
	Croydon ...	55	30	26	–	–	4·4
	S. Farnborough	55	26	21	–	Tr	3·0
	Boscombe Down	55	34	29	Tr	–	2·1
	Calshot (Sthmtn.)	52	34	31	–	–	4·6
	Lympne ...	51	33	28	–	–	8·4
	Manston ...	50	35	29	–	–	8·5
2	Shoeburyness...	50	39	27	–	–	6·2
	Felixstowe ...	47	36	30	–	–	4·6
	Gorleston ...	47	40	38	–	–	5·7
	Mildenhall ...	57	31	24	–	Tr	3·9
	Cranwell ...	60	35	28	–	–	4·1
3	Birmingham ...	56	39	28	–	–	0·7
	Upper Heyford	56	34	26	–	–	*
4	Ross-on Wye	57	31	21	–	–	1·0
5	Bristol ...	57	32	24	–	–	1·0
	Portland Bill ...	48	42	*	–	–	*
	Plymouth ...	55	42	39	–	–	6·8
	The Lizard ...	53	44	*	–	–	7·6
	Scilly (St. Mary's)	54	45	*	–	–	8·3
	Guernsey ...	52	44	43	–	–	10·3
6	Pembroke ...	55	42	*	–	–	8·8
7	Holyhead ...	60	43	36	–	0·1	2·7
	Chester(Sealand)	60	37	34	–	–	1·5
8	Manchester ...	62	37	29	–	–	1·0
10	Spurn Head ..	52	42	*	–	Tr	6·7
	Catterick ...	60	43	43	–	–	0·0
	Tynemouth ...	52	48	45	–	–	1·6
11	St. Abbs Head	57	48	*	–	–	*
	Leuchars ...	54	41	33	–	–	0·0
12	Renfrew (Abbotsl.)	59	41	37	–	–	1·1
	Eskdalemuir ..	56	37	32	–	–	0·0
	Point of Ayre...	55	42	*	–	–	0·0
13A	Tiree	51	42	40	–	–	0·2
13B	Stornoway ...	51	41	*	Tr	–	0·7
15	Dalwhinnie ...	55	42	35	–	–	2·7
	Aberdeen ...	55	48	41	–	–	3·2
	Wick ...	49	45	*	–	–	*
16	Lerwick ...	49	42	*	–	–	0·0
17	Blacksod Point	50	45	*	–	–	*
18	Malin Head ...	53	45	*	–	–	0·4
	Aldergrove ...	58	40	35	–	–	5·2
19	Birr Castle ...	56	42	*	–	–	2·1
20	Valentia Obsy. †	52	47	41	Tr	–	0·1
	Roches Point	50	43	*	0·1	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather Morning. (24 hrs. ended 9h.)	Weather Afternoon. (24 hrs. ended 9h.)	Weather Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day mm.	Rainfall. Night mm.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h. To-day.
Kew	18	cm_oz_o	cz_obz_o	bz_mofg	54	34	24	–	Tr	2·1	*	*	4
Croydon	217	cm_o	$bcbz_o$	bz_owxf	55	30	26	–	–	4·4	*	*	3
Greenwich (Royal Observatory)...	149	c	cb	bxcm	54	36	27	–	–	4·6	56	95	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2·4	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	56	39	36	–	–	2·5	61	94	*
Regents Pk. (Botanic Gardens)[...	168	*	*	*	55	37	31	–	–	1·0	61	91	*
Camden Square	110	cf	cbc	*	56	35	28	–	–	*	*	94	*
Kensington	80	bc	bc	*	54	36	27	–	–		63	18h. 95	*
Hampstead Observatory ...	450	bc	bcm	om	52	35	31	–	–	1·5	*	98	*

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

South Kensington.

Max.	Time.	Min.	Time.
0·6	18–21h 12th	<0·3	3–6h 13th

Kew Observatory.

Max.	Time.	Min.	Time.
0·4	20h 12th	0·1	7h. 13th

FOREIGN OBSERVATIONS.

Stations	18h G.M.T. 12th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F	7h. G.M.T. 13th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris ...	1032·2	NE	2	b	52	1033·4	NE	1	b	36
Brussels	1034·7	NE	3	b	48	1035·5	NE	3	Z_o	37
Berlin	1032·8	NW	2	c	46	1036·4	ESE	2	b	36
Zurich	1031·2	NE	3	bd	43	1032·0	NE	1	b	30
Rome	1021·0	SE	3	dd	52	1022·6	N	6	c	41

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
57	34	–	–
52	36	–	–
50	34	–	–
52	28	–	–
*	*	1	–

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 20.—Code for State of Sea

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

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2 . GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S. Director.

‡ 9h observations are from Valentia W/T Station. : Maximum and Minimum Temperatures are for the 24 hours ending 8 h. † Sea disturbance reported from Dungarvan.

Page 1.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 14th March, 1938.
No. 27871.

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

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)	1033·9	-16	E	2	z₀	52	55	5	5	-	-	9+	9+	5700
	Croydon ...	1033·8	-16	ESE	2	c	53	55	6	-	3	-	0	9+	-
	S. Farnborough	1033·0	-22	SE	1	bc	57	55	6	-	4	-	0	2-3	-
	Boscombe Down	1032·8	-18	SE'E	4	b	57	45	7	-	-	-	0	0	-
	Calshot (Sthmtn.)	1033·5	-10	ESE	4	z₀	48	75	7	-	-	-	0	0	-
	Lympne ...	1034·4	-16	E	3	b	50	55	7	5	-	-	1	1	7200
	Manston ...	1035·0	-10	ESE	3	b	50	55	6	5	-	-	Tr	Tr	4000
2	Shoeburyness ...	1035·0	- 8	E'N	3	c	47	85	6	5	-	-	9+	9+	4000
	Felixstowe ...	1035·7	-10	E'N	2	c	46	85	8	7	3	-	4-6	9	4000
	Gorleston ...	1035·2	-10	SE'E	2	f	44	97	2	-	-	-	10	10	150
	Mildenhall ...	1034·4	-14	SSE	2	c	53	65	8	5	-	-	9	9	5700
	Cranwell ...	1034·2	-14	SE	3	c	53	65	7	5	-	-	7-8	7-8	5700
3	Birmingham ...	1033·4	-10	S	2	b	54	35	8	-	-	-	0	0	-
	Upper Heyford	1033·6	-18	SSE	3	b	55	45	7	-	4	-	0	Tr	-
4	Ross-on-Wye	1032·0	-20	SE	2	z₀	57	45	6	-	-	-	0	0	-
5	Bristol ...	1032·2	-24	SE	3	b	56	45	7	-	-	-	0	0	-
	Portland Bill ...	1030·7	- 6	E	4	b	47	85	7	-	-	-	0	0	-
	Plymouth ...	1030·6	-16	E'S	3	b	52	65	7	-	-	-	0	0	-
	The Lizard ...	1029·1	-12	ENE	4	b	52	85	7	-	-	-	0	0	-
	Scilly (St.Mary's)	1028·6	-14	SE'E	5	z₀	52	75	6	-	-	-	0	0	-
	Guernsey ...	1030·8	-14	NE	1	b	53	65	7	-	-	-	0	0	-
6	Pembroke ...	1030·6	-12	SE	4	z₀	51	75	6	-	-	-	0	0	-
7	Holyhead ...	1031·0	-12	SW'S	2	b	58	45	8	1	-	-	Tr	Tr	4000
	Chester(Sealand)	1032·1	-18	S'E	4	b	57	35	7	-	-	-	0	0	-
8	Manchester ...	1032·5	-18	SSE	3	z₀	59	45	6	1	-	-	Tr	Tr	4000
10	Spurn Head ...	1034·3	- 6	SE	3	bc	49	75	6	-	3	8	0	4-6	-
	Catterick ...	1032·2	-20	SE'S	3	z₀	56	75	5	5	-	-	Tr	Tr	2500
	Tynemouth ...	1031·6	-16	WSW	2	c	49	92	6	5	-	-	7-8	7-8	1500
11	St. Abbs Head .	1030·8	-14	SE	1	bc	56	75	6	5	4	1	4-6	4-6	1500
	Leuchars ...	1030·3	-18	SW	2	z₀	58	75	5	1	-	-	1	1	4000
12	Renfrew (Abbotsl.)	1029·6	-26	SSW	2	z₀	59	65	6	1	-	-	2-3	2-3	4000
	Eskdalemuir ...	1030·4	-20	S'W	4	bc	56	65	6	1	-	-	2-3	2-3	2500
	Point of Ayre...	1031·1	-12	S'W	3	m	52	75	4	5	-	-	4-6	4-6	800
13A	Tiree	1027·6	-20	SE'S	4	z₀	50	85	6	5	-	-	9+	9+	2500
13B	Stornoway ...	1027·6	-12	SSW	4	c	48	92	5	5	2	-	7-8	10	2500
15	Dalwhinnie ...	1029·4	-18	S	4	c	55	65	7	8	6	-	4-6	7-8	2500
	Aberdeen ...	1029·1	-16	S	3	b	58	75	6	1	-	-	Tr	Tr	4000
	Wick ...	1028·7	- 8	S	3	c	47	97	6	5	2	-	7-8	10	1500
16	Lerwick ...	1028·0	-12	SW	5	c	48	85	6	8	7	-	7-8	10	800
17	Blacksod Point	1024·4	-18	SE	4	b	55	55	7	-	-	-	0	0	-
18	Malin Head ...	1026·9	-26	SE	3	c	57	65	7	5	-	7	2-3	7-8	2500
	Aldergrove ...	1029·0	-24	SSE	4	b	58	55	6	1	-	-	Tr	Tr	2500
19	Birr Castle ...	1027·4	-14	S	2	b	57	55	7	-	-	-	0	0	-
20	Valentia Obsy. †	1024·6	-26	SE	4	b	57	65	8	1	-	-	1	1	2500
	Roches Point	1028·2	*	ESE	3	b	51	85	8	1	-	-	1	1	4000

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

District	Stations. (For heights see p. 4.)	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)	1031·2	-14	E	3	z₀	48	75	5	-	-	-	0	0	-	0	*
	Croydon ...	1031·5	-12	E	2	z₀	50	65	6	-	-	-	0	0	-	0	*
	S. Farnborough	1033·6	-8	SE	1	b	51	55	6	-	-	-	0	0	-	0	*
	Boscombe Down	1030·5	-8	SE	3	b	47	55	7	-	-	-	0	0	-	0	*
	Calshot (Sthmtn.)	1030·2	-14	E	3	z₀	48	75	6	-	-	-	0	0	-	1	2
	Lympne ...	1032·5	-10	NEN	3	z₀	43	85	6	-	-	-	0	0	-	0	§ 2
	Manston ...	1032·3	-12	EN	3	b	43	85	6	-	-	-	0	0	-	0	*
2	Shoeburyness ...	1032·5	-14	E	3	b	44	85	7	-	-	-	0	0	-	1	*
	Felixstowe ...	1033·0	-14	ENE	2	b	43	92	7	-	7	-	0	Tr	-	0	1
	Gorleston ...	1033·6	-4	SE'E	2	bc	43	92	6	-	-	1	0	2-3	-	0	1
	Mildenhall ...	1032·0	-12	SE'E	3	b	46	85	8	4	4	-	Tr	1	4000	0	*
	Cranwell ...	1031·3	-16	SE	2	bc	48	75	8	5	4	-	1	2-3	5700	0	*
3	Birmingham ...	1030·4	-14	SE	2	b	53	65	7	-	-	-	0	0	-		*
	Upper Heyford	1031·0	-10	E	2	z₀	49	65	5	1	-	-	1	1	4000	0	*
4	Ross-on-Wye	1029·3	-10	SE	2	b	53	45	8	-	-	-	0	0	-	0	*
5	Bristol ...	1029·6	-12	SE	2	b	52	55	7	-	1	-	0	1	-	0	*
	Portland Bill ...	1028·8	-20	E	4	b	46	85	7	-	-	-	0	0	-	0	3
	Plymouth ...	1027·9	-10	E	3	b	49	55	8	-	-	-	0	0	-	0	1
	The Lizard ...	1026·5	-14	NE	4	b	47	85	7	-	-	-	0	0	-	0	3
	Scilly (St.Mary's)	1025·0	-24	ESE	5	b	49	97	6	-	-	-	0	0	-	0	3
	Guernsey ...	1027·8	-10	NE'E	2	b	50	55	7	-	-	-	0	0	-	0	1
6	Pembroke ...	1027·8	-14	SE	5	b	49	75	7	5	-	-	Tr	Tr	4000	0	2
7	Holyhead ...	1027·9	-10	-	0	b	51	65	8	-	-	-	0	0	-	0	0
	Chester(Sealand)	1029·4	-4	SSE	3	b	54	55	7	-	-	-	0	0	-	0	*
8	Manchester ...	1029·3	-16	SE'S	2	z₀	54	65	6	-	-	-	0	0	-	1	*
10	Spurn Head ...	1031·6	-10	SE'S	4	b	44	97	6	-	-	-	0	0	-	0	2
	Catterick ...	1029·2	-10	SE'S	2	b	52	75	5	-	-	-	0	0	-	0	*
	Tynemouth ...	1029·9	-8	S	2	bc	56	85	5	5	-	-	4-6	4-6	800	0	1
11	St. Abbs Head .	1028·4	-4	S	2	bc	57	85	6	-	3	-	0	2-3	-	0	1
	Leuchars ...	1027·8	-8	S	1	bc	51	85	6	8	-	-	2-3	2-3	4000	0	*
12	Renfrew (Abbotsl.)	1027·0	-10	-	0	z₀	53	75	5	-	-	-	0	0	-	0	*
	Eskdalemuir ...	1028·3	-12	SW	4	b	50	65	6	-	-	-	0	0	-	1	*
	Point of Ayre...	1028·0	-18	SE'S	2	b	48	85	6	-	-	-	0	0	-	0	1
13A	Tiree	1023·0	-22	SE'E	4	z₀	50	85	6	5	-	-	Tr	Tr	2500	0	3
13B	Stornoway ...	1023·0	-10	SSW	4	bc	49	85	6	5	7	-	2-3	4-6	2500	1	2
15	Dalwhinnie ...	1027·1	-20	SE	4	c	51	75	5	4	6	-	4-6	7-8	2500	0	*
	Aberdeen ...	1026·8	-8	S	2	b	53	75	5	5	-	-	Tr	Tr	5700	0	0
	Wick ...	1025·4	-16	SSW	2	c	46	92	6	3	7	8	4-6	7-8	800	1	1
16	Lerwick ...	1025·6	-12	SW	3	c	46	92	7	8	2	-	9	10	800	1	*
17	Blacksod Point	1020·1	-26	E	3	b	53	65	8	-	-	-	0	0	-	0	3
18	Malin Head ...	1022·4	*	S	4	bc	53	65	7	5	-	-	2-3	2-3	4000	0	1
	Aldergrove ...	1026·1	-16	SE	3	b	48	55	7	-	-	-	0	0	-	1	*
19	Birr Castle ...	1024·8	-8	SSE	1	b	53	45	7	-	-	-	0	0	-	1	*
20	Valentia Obsy. †	1020·2	-26	SE'S	6	b	55	35	8	-	-	-	0	0	-	0	2
	Roches Point	1024·6	*	ESE	4	b	49	85	7	-	-	-	0	0	-	1	3

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 13th (37)	Weather. 13h.—18h. 13th (38)	Weather. 18h. 13th to 1h. 14th (39)	Weather. 1h.–7h. 14th (40)
1	London (Kew)	Fecm•y	cybcbz	bm•	bm•x
	Croydon ...	fbccm•y	cm•byz	bm•w	bm•bx
	S. Farnborough	oFbbc•y	bcbm•y	ybm•	bm•x
	Boscombe Down	bm•xbm•b	by	byb	bx
	Calshot (Sthmtn.)	bm•b	b bm•	bm•b	b
	Lympne ...	c, m•by	by z•	bm•w	bm•w
	Manston ...	cbz•y	bz•ybz	bbm•w	bm•mw
2	Shoeburyness ...	cm•	cm•b	bw	bwx
	Felixstowe ...	c	cbcbv	bw	bwb
	Gorleston ...	od•ff	ofbc	beoffe	ofbcc
	Mildenhall ...	c	cbcb	bw	bxbcm•
	Cranwell ...	cfmm•c	bcb	b,F	FFcm
3	Birmingham ...	b	b	b	bz·
	Upper Heyford	bm•by	bz•z	bz•m•	bmx
4	Ross-on-Wye	bz	byz•by	by	b
5	Bristol ...	bm•by	by	bybz•	bm•bx
	Portland Bill ...	b	b	b	b
	Plymouth ...	bm•z•b	by	byb	b
	The Lizard ...	bcb	b	b	bbc
	Scilly (St.Mary's)	bz•	bz•b	b	bbcb
	Guernsey ...	b	b	b	b
6	Pembroke ...	bz•	z•b	bq	bqm•b
7	Holyhead ...	cm•yb	yb	b	b
	Chester(Sealand)	bffmz•y	by	bwm	bmw
8	Manchester ...	bz•y	bz•y	bzw	bmm•w
10	Spurn Head ...	cbc	bcb	ffbw	Ffmw•
	Catterick ...	oFbm•z•	bbcbz•	bz•	bz•afw
	Tynemouth ...	acbcmc	cbc	bcbbc	bcm
11	St. Abbs Head .	m•bc	bm•	bm•	bm•
	Leuchars ...	cm•bz•	bz•bcm	bcm•bmx	bmx
12	Renfrew (Abbotsl.)	cff bz•	bcbz••	bz•m	bmw
	Eskdalemuir ...	cbcz•	bybz•	bm•bx	bxm
	Point of Ayre...	ff bcz	bcbz	bwb	bw
13A	Tiree	cz•	cz•b	bz•	bz•
13B	Stornoway ...	cfm•	cbc	bcbbc	bc
15	Dalwhinnie ...	c	bc	•	cb
	Aberdeen ...	czbz•	bz•	bz•w	bz•w
	Wick ...	cm•	cm•	bcm•	cbc
16	Lerwick ...	cm•	c	cbcm•	bccm•w
17	Blacksod Point	b	b	bb	bc
18	Malin Head ...	cbcc	cbc	bcШ	bc
	Aldergrove ...	cm•bz•y	bz•yby	byb	b
19	Birr Castle ...	b	b	b	b
20	Valentia Obsy. †	bbcb	b	byb	bbcprc
	Roches Point	b	b	bbc	bcc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. ,, 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.

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.*

§ Sea disturbance reported from Dungeness.

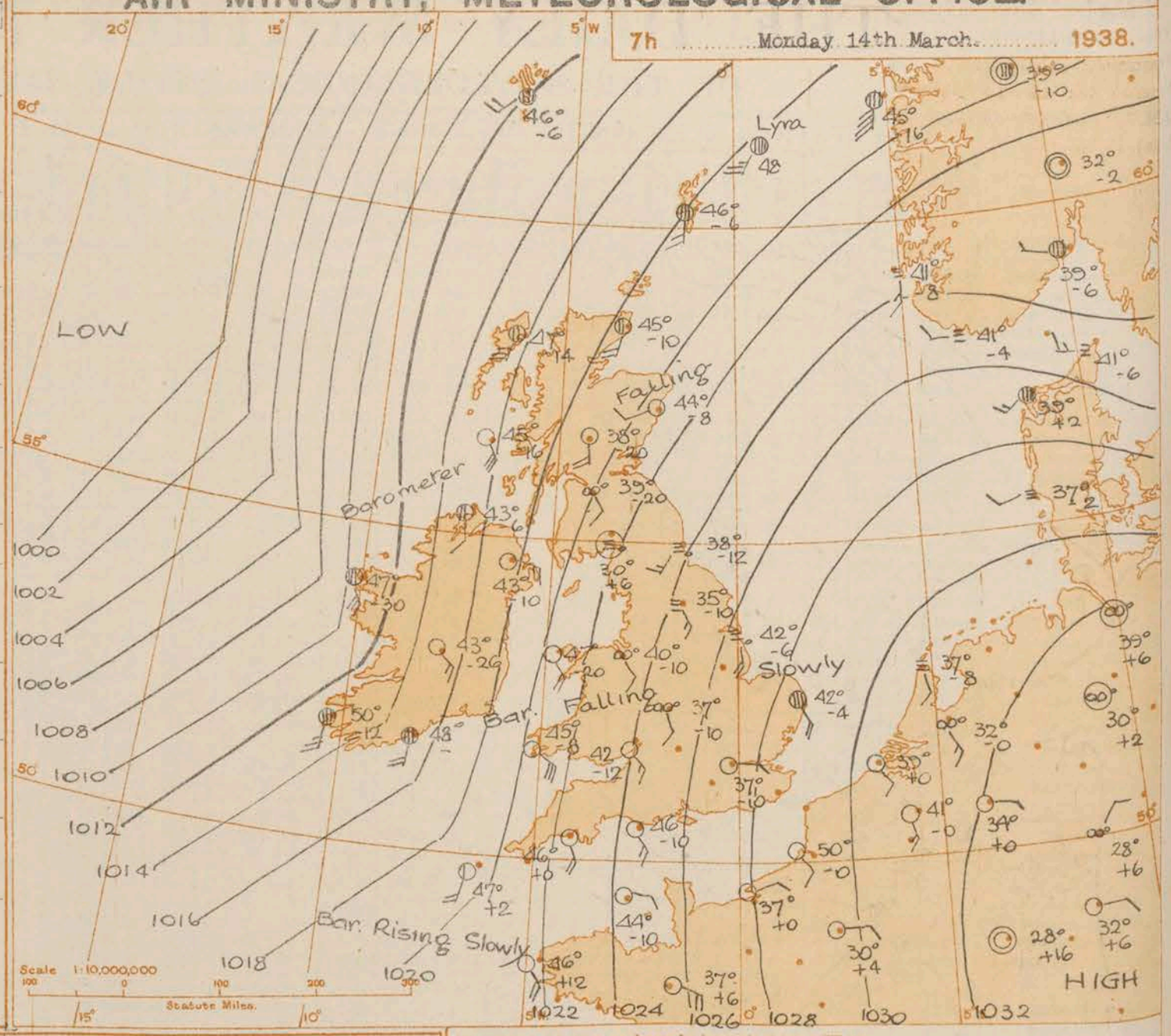
REPORTS from HEALTH RESORTS for 13th March 1938.

Districts	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. (°F.) Min. 9h. 12th to 9h. 13th	Temperature. (°F.) Max. 9h.—17h. 13th.	Rainfall. (mm.) Night. 17h. 12th to 9h. 13th.	Rainfall. (mm.) Day. 9h.—17h. 13th.	Sunshine. (Hrs.) Sunrise to 17h. 13th.	Sunshine. (Hrs.) Sunrise to Sunset. 12th.
1	Tunbridge W.	coc	cb	31	56	–	–	3·8	6·7
	Bournemouth	b	b	33	55	–	–	9·8	4·0
	Ventnor ...	bz	bz	41	51	–	–	9·8	5·2
	Southsea ...	b	b	37	53	–	–	9·8	5·0
	Bognor Regis	b	b	37	50	–	–	10·0	5·5
	Littlehampton	bcb	b	33	53	–	–	10·0	5·7
	Worthing ...	bbcb	b	38	52	–	–	9·4	5·9
	Brighton ...	cbc	b	37	56	–	–	7·5	6·6
	Eastbourne† ...	cbcb	b	36	49	–	–	6·1	7·7
	Hastings† ...	cbcb	b	38	54	–	–	4·9	8·0
	Folkestone ...	cbcb	b	39	50	–	–	4·2	8·5
	Dover ...	cbc	bcb	40	51	–	–	5·0	8·4
	Deal	ob	b	36	51	–	–	4·9	8·4
	Ramsgate ...	bz	bc	43	48	–	–	4·7	8·0
	Margate ...	c	bc	39	49	–	–	4·9	8·5
2	Southend ...	oc	cbcb	37	51	Trace	–	3·5	5·8
	Clacton-on-Sea	oc	cbcb	39	47	–	–	3·4	5·5
	Dovercourt ...	oe	b	38	48	–	–	3·5	4·4
	Lowestoft ...	fefe	cb	40	48	–	–	2·2	5·3
	Skegness ...	bcbc	b	41	51	–	–	6·1	5·9
	Mablethorpe ...	bcb	b	37	54	–	–	7·0	6·0
	Cleethorpes ...	cbc	bc	39	58	–	–	6·1	6·8
3	Leamington S.	b	b	31	59	–	–	9·0	0·8
4	Cheltenham†	mb	b	35	58	–	–	9·7	0·6
5	Bath	b	b	32	60	–	–	10·0	0·7
	Weymouth ...	b	b	38	51	–	–	10·0	5·0
	Jersey ...	b	b	42	57	–	–	9·9	9·2
	Torquay ...	wbz.	bz.	38	50	–	–	8·8	6·0
	Falmouth	b	b	44	53	–	–	9·7	7·7
	Penzance ...	b	b	45	54	–	–	9·9	7·9
	St. Ives ...	b	b	46	59	–	–	6·8	3·2
	Bude... ...	b	b	36	59	–	–	9·9	8·6
	Ilfracombe ...	bcb	b	40	58	–	–	10·1	7·9
6	Aberystwyth	zbc	bbc	42	62	–	–	9·8	5·0
7	Llandudno ...	b	b	43	56	–	–	9·8	4·3
	Colwyn Bay...	b	b	43	60	–	–	9·8	3·2
	Rhyl	b	bz.	37	63	–	–	9·5	4·2
8	Wallasey ...	bz	bz	42	61	–	–	9·6	1·1
	Southport ...	mb	b	40	62	–	–	9·5	0·5
	Blackpool ...	bm.	b	43	61	Trace	–	9·3	0·0
	Morecambe ...	mbbc	b	43	60	–	–	10·0	0·0
9	Ilkley... ...	fbb	bc	36	61	–	–	5·5	0·0
	Harrogate ...	b	bcbz	42	58	–	–	9·4	1·8
10	Berwick-on-T.	cbcb	b	43	61	–	–	6·3	0·0
11	Dunbar ...	cmb	bcm.	43	60	–	–	5·6	0·0
12	Troon... ...	cbcb	bcbb	43	57	–	–	6·1	2·0
	Douglas ...	bcfw	bcfb	44	53	–	–	4·5	0·4

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Monday 14th March. ..... 1938.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate southerly winds; sunny; mild day; ground frost at night; fog locally at night.
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.	Southerly winds, fresh or strong; mainly fair but perhaps occasional rain; mild.
13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Strong southerly wind, gale on exposed coasts; occasional rain; mild.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 7 - 12.

H.M. Stationery Office Press, Kingsway W.C.2. 2932/3420 m 2020. 2 4513 Gp 348 32240 3/38.

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.

Pressure is high from Portugal to Central Europe and a depression is approaching Iceland from the Southwest. Weather will remain mainly fair in southern districts but there will be strong winds and occasional rain in the North. It will remain mild but with ground frosts locally in East and South England.

FURTHER OUTLOOK.

Fair in East and South; unsettled in North and West. Mild.

Time of issue of Gale Warning.

South Cone hoisted at 1840 on 13/3/38 in district 17 and part of 20.

Forecasts issued at 1030 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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.

Morning of

MONDAY 14TH MARCH.

1938.

Lambert's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ○Clear sky. ◐Sky less than 3/10 clouded. ◑Sky 4/10 to 6/10 clouded. ●Sky 7/10 to 9/10 clouded. ⊗Overcast sky. ●Rain falling. ✱Snow. ✱Sleet. △Hail ≡Fog. ≡Mist. (t)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 14th March, 1938.
No. 27871

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

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	1029·4	-14	SE'E	3	Z_o	44	85	6	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1030·8	-18	E	3	Z_o	39	92	5	-	-	-	0	0	-
	Manston ...	142	1030·9	-8	SE	3	Z_o	41	97	6	-	-	-	0	0	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1031·4	-10	SE	4	cf	41	97	2	-	-	-	10	10	<150
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1026·5	-10	SE	3	b	45	85	7	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1023·5	-12	ESE	5	b	47	85	8	-	-	-	0	0	-
	Scilly (St. Mary's)	163	1021·6	-22	SE'S	5	b	48	85	6	-	-	-	0	0	-
	Guernsey ...	175	1026·8	-2	ESE	1	b	46	75	6	-	-	-	0	0	-
6	Pembroke ...	142	1023·7	-12	SE	6	b	45	86	7	-	-	-	0	0	-
7	Holyhead ...	26	1024·4	-20	SSE	2	b	45	75	8	-	-	-	0	0	-
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1029·4	-10	SSE	4	b	42	92	7	-	-	-	0	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1027·0	-14	SW	3	bc	45	85	6	5	-	-	4-6	4-6	800
11	St Abbs Head ...	290	1025·3	-14	WSW	4	bc	48	65	6	-	-	1	0	Tr	-
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1025·2	-12	S'E	2	b	43	85	7	-	-	-	0	0	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1019·2	-20	SSW	6	bc	47	65	7	-	7	-	0	4-6	-
15	Dalwhinnie ...	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1021·6	-16	SSW	4	bc	46	85	6	5	1	-	2-3	4-6	1500
16	Lerwick ...	156	1021·6	-24	SSW	3	bc	45	97	6	8	-	-	4-6	4-6	1500
17	Blacksod Point	18	1015·1	-20	SE	5	b	47	65	7	-	-	-	0	0	-
18	Malin Head ...	84	1018·3	-24	S	5	bc	48	85	7	-	-	2	0	2-3	-
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1016·0	-14	SSE	6	bc	48	92	8	1	-	-	2-3	2-3	2500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1027·0	-10	ESE	2	Z_o	38	75	6	-	-	-	0	0	-	3	*
1027·5	-10	ESE	2	b	37	85	7	-	-	-	0	0	-	0	*
1027·1	-6	ESE	1	fo	30	85	6	-	-	-	0	0	-	0	*
1026·9	-6	SE	3	bc	35	92	7	-	-	-	0	0	-	1	*
1025·6	-14	ESE	4	b	44	85	7	-	-	-	0	0	-	1	3
1028·8	-10	SE'E	3	b	40	75	7	-	-	-	0	0	-	0	3
1028·7	-6	SE	2	b	39	85	6	-	-	-	0	0	-	0	*
1028·2	-2	SE	3	b	39	85	7	-	-	-	0	0	-	1	*
1029·6	-10	SE	3	Z_o	42	85	6	-	-	-	0	0	-	1	2
1028·9	-4	SE'S	4	c	42	97	6	-	1	-	0	10	-	0	2
1027·7	-8	SE'E	3	m	38	97	4	-	-	-	0	0	-	1	*
1026·9	-10	SE	4	m/f	39	97	4	5	-	-	9+	9+	450	1	*
1025·6	-10	SSE	2	Z_o	37	85	5	-	-	-	0	0	-	0	*
1026·9	-8	SSE	2	Z_o	35	97	5	-	-	-	0	0	-	0	*
1023·9	-12	SE	3	b	42	65	7	-	-	-	0	0	-	0	*
1024·9	-6	SE'E	1	b	34	92	7	-	-	-	0	0	-	0	*
1024·2	-10	SE	3	b	46	85	6	-	-	-	0	0	-	0	3
1022·5	0	SSE	4	b	46	75	8	-	-	-	0	0	-	0	2
1022·0	+6	SSE	4	bc	47	75	7	4	-	-	2-3	2-3	2500	0	1
1019·7	+2	SSW	4	b	47	92	7	7	-	-	Tr	Tr	4000	0	3
1024·9	-6	ESE	2	b	44	65	8	-	-	-	0	0	-	0	2
1020·8	-8	SE'E	6	q	45	85	7	-	-	-	0	0	-	0	3
1020·0	-20	SSE	4	b	47	65	9	-	-	-	0	0	-	0	2
1023·5	-12	S'E	2	m	35	85	4	-	-	-	0	0	-	0	*
1024·5	-10	SE	2	Z_o	40	85	5	-	-	-	0	0	-	1	*
1026·9	-6	S	4	m	42	97	4	5	-	-	10	10	800	1	2
1024·7	-10	SSE	3	cf	35	97	3	-	-	-	10	10	<150	0	*
1023·8	-12	SW	3	m	38	97	4	5	-	-	4-6	4-6	800	0	1
1022·4	-4	SE	1	b	46	85	5	-	1	-	0	2-3	-	0	1
1021·8	-6	-	0	b	32	97	6	-	-	-	0	0	-	3	*
1020·2	-20	SE'S	2	Z_o	39	85	5	-	-	-	0	0	-	0	*
1022·5	-16	-	0	m	30	97	4	-	-	-	0	0	-	3	*
1020·2	-14	S	4	b	43	92	6	5	-	-	1	1	800	1	3
1014·9	-16	SE'S	6	b	45	85	7	1	5	-	Tr.	1	4000	0	3
1015·9	-14	SSW	6	bc	47	65	7	-	7	-	0	2-3	-	1	3
1020·5	-20	S	4	b	38	75	8	4	6	-	Tr.	Tr.	4000	0	*
1020·5	-8	SW'W	2	b	44	85	6	5	-	-	Tr.	Tr.	4000	0	0
1018·0	-10	SSW	4	bc	45	75	7	5	7	1	2-3	4-6	1500	1	2
1018·0	-6	S	3	c	46	92	6	5	7	2	4-6	7-8	1500	1	*
1009·5	-30	SE	6	c	47	75	8	5	-	-	7-8	7-8	2500	0	3
1014·7	-6	S	2	bc	43	85	8	5	-	-	2-3	2-3	2500	0	1
1017·8	-10	E'S	3	b	43	75	7	-	-	-	0	0	-	1	*
1013·9	-26	SE	3	b	43	85	7	-	-	-	0	0	-	1	*
1012·8	-12	SSW	5	c/p	50	85	7	6	2	-	9	10	1500	1	3
1015·6	4	SSW	4	c	48	92	8	6	-	-	7-8	7-8	1500	1	3

PAST 24 HOURS.

Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F. (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 13th Hrs. (36)
55	33	19	Tr	Tr.	2·2
57	37	27	-	-	4·0
58	30	20	-	Tr	7·4
57	34	30	-	-	10·1
49	42	39	-	-	10·6
53	38	33	-	-	4·5
51	38	33	-	Tr	4·7
49	38	29	-	-	4·3
47	40	33	-	0·1	3·8
46	40	39	Tr	-	2·5
55	34	26	-	Tr.	1·4
55	32	26	-	Tr.	4·4
58	36	31	-	-	10·4
57	35	28	-	-	*
59	38	26	-	-	10·1
59	32	*	-	-	10·0
48	42	*	-	-	*
55	44	40	-	-	10·2
53	45	*	-	-	10·2
53	46	*	-	-	10·2
54	44	36	-	-	10·6
54	44	*	-	-	9·8
59	42	33	-	-	8·9
61	35	29	-	-	9·7
61	40	35	-	-	9·1
53	39	*	-	Tr.	9·5
57	35	33	-	-	3·6
60	38	36	-	-	3·4
60	41	*	-	-	*
60	32	22	-	-	6·6
60	35	27	-	-	4·9
58	30	24	-	-	6·0
53	41	*	-	-	8·3
52	46	42	-	-	4·2
51	46	*	-	-	1·2
56	35	23	-	-	4·6
60	44	31	-	-	6·1
51	42	*	-	-	*
48	44	*	-	-	0·0
55	41	*	-	-	*
60	41	*	-	-	7·4
59	41	28	-	-	7·5
58	40	*	-	-	10·2
57	48	43	-	1	10·0
51	47	*	-	-	*

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	fe cm y	cy bc bz	bm x	55	33	19	Tr	Tr	2·2	*	*	6
Croydon	217	fb cm y	cm by bz	bm w by	57	37	27	-	-	4·0	*	*	7
Greenwich (Royal Observatory)...	149	cm	cby	bx	54	35	20	-	Tr	3·0	59	65	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2·4	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	55	39	32	-	-	2·1	57	55	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	54	36	26	-	-	0·3	61	49	*
Camden Square	110	cf	bcb	*	55	35	27	-	-	*	*	60	*
Kensington	80	b	bc bx	*	54	36	23	-	-	1·1	At 18h. 69	54	*
Hampstead Observatory	450	cm	bc	bm	52	35	30	-	-	1·2	*	69	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 14th

South Kensington. Max.	Time.	Min.	Time.
0·3	10-11 h. 13th	<0·3	5-6 h. 14th

Kew Observatory. Max.	Time.	Min.	Time.
0·4	21 h. 13th	<0·1	14 h 13th

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 13th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 14th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1030·5	ENE	2	b	52	1029·8	E	2	b	30
Brussels	1032·6	ENE	3	b	48	1030·7	SSE	3	b	41
Berlin	1035·2	W	2	Z_o	41	1033·2	SSW	1	Z_o	32
Zurich	1031·6	NE	4	b	43	1031·9	NW	1	b	28
Rome	1023·3	N	6	b	50	1026·3	N	8	b	39

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
57	28	-	-
54	36	-	-
50	27	-	-
52	27	-	-
*	*	-	*

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 with the different numbers is the speed at about 30 feet above the ground.

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‖ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 15th March, 1938.

No. 27872

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

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)	1024.5	-12	S	3	b	56	35	8	-	-	-	0	0	-
	Croydon ...	1025.3	-16	SSE	3	b	57	45	8	-	-	-	0	0	-
	S. Farnborough	1024.4	-16	SSE	3	b	56	45	8	-	-	-	0	0	-
	Boscombe Down	1023.6	-18	SSE	5	b	55	45	7	-	-	-	0	0	-
	Calshot (Sthmptn.)	1025.0	-4	ESE	3	b	49	75	8	-	-	-	0	0	-
	Lympne ...	1027.2	-12	SES	3	b	47	55	8	-	-	-	0	0	-
	Manston ...	1026.5	-16	SSE	4	b	52	55	7	-	-	-	0	0	-
2	Shoeburyness ...	1026.1	-10	SSE	3	b	52	55	8	-	-	-	0	0	-
	Felixstowe ...	1027.2	-12	SES	3	b	47	65	8	-	-	-	0	0	-
	Gorleston ...	1027.6	-8	SSE	5	b	46	75	6	-	-	-	0	0	-
	Mildenhall ...	1024.8	-18	S'E	4	b	57	35	7	-	-	-	0	0	-
	Cranwell ...	1023.2	-22	SE	5	b	58	45	7	-	-	-	0	0	-
3	Birmingham ...	1021.4	-20	SSE	4	b	55	35	8	-	-	-	0	0	-
	Upper Heyford	1023.7	-22	S	4	b	57	45	7	-	-	-	0	0	-
4	Ross-on-Wye	1021.9	-14	S	3	b	57	45	7	-	-	-	0	0	-
5	Bristol ...	1023.0	-10	SSE	4	b	56	45	8	-	-	-	0	0	-
	Portland Bill ...	1023.7	-6	SE	2	b	49	75	7	-	-	-	0	0	-
	Plymouth ...	1023.3	+8	S	3	c	52	75	8	5	4	-	4-6	7-8	4000.
	The Lizard ...	1023.4	+4	SSW	3	bc	54	75	8	7	-	-	2-3	2-3	4000.
	Scilly (St.Mary's)	1022.5	+10	SWW	4	bc	54	85	7	5	3	-	4-6	4-6	2500.
	Guernsey ...	1024.4	-2	S	3	b	53	65	7	-	-	-	0	0	-
6	Pembroke ...	1021.6	+4	SSW	5	c	49	85	7	5	2	-	7-8	9+	2500.
7	Holyhead ...	1018.6	+2	SSW	4	bc	52	75	7	7	3	-	2-3	2-3	2500.
	Chester (Seeland)	1020.0	-20	S'E	4	z	58	35	6	-	-	-	0	0	-
8	Manchester ...	1020.4	-26	S'E	5	b	58	25	7	-	-	-	0	0	-
10	Spurn Head ...	1023.3	-16	S	4	b	54	45	7	-	-	-	0	0	-
	Catterick ...	1019.3	-38	SEE	4	z	52	55	5	-	-	-	0	0	-
	Tynemouth ...	1018.6	-34	S	3	bc	52	75	6	5	-	-	4-6	4-6	800.
11	St. Abbs Head	1015.3	-22	SE	6	m	48	75	4	-	-	-	0	0	-
	Leuchars ...	1016.7	-34	SSE	3	z	55	55	6	-	-	-	0	0	-
12	Renfrew (Abbotsl.)	1015.5	-24	SSW	3	b	55	45	6	1	-	-	Tr	Tr	4000.
	Eskdalemuir ...	1016.3	-28	SSW	7	b	53	35	7	-	-	-	0	0	-
	Point of Ayre...	1017.4	-12	SSW	5	bc	51	65	8	8	-	-	4-6	4-6	1500
13A	Tiree	1009.9	-22	SSE	6	c	49	75	6	5	7	-	9	9+	2500.
13B	Stornoway ...	1009.3	-30	S	6	b	51	65	7	-	-	-	0	0	-
15	Dalwhinnie ...	1013.0	-38	S	6	b	52	75	7	4	6	-	1	1	4000.
	Aberdeen ...	1016.1	-26	S	4	b	49	75	6	-	-	-	0	0	-
	Wick ...	1012.6	-36	SSE	5	bc	49	75	6	5	1	-	2-3	2-3	1500.
16	Lerwick ...	1014.3	-24	S	3	bc	49	85	6	5	-	-	2-3	2-3	2500.
17	Blacksod Point	1009.3	+2	S	5	q	49	75	8	9	-	-	7-8	7-8	1500.
18	Malin Head ...	1009.7	-18	S	5	bc	53	75	8	5	-	-	4-6	4-6	4000.
	Aldergrove ...	1013.7	-16	S'E	4	bc	51	65	7	8	-	-	4-6	4-6	2500.
19	Birr Castle ...	1013.5	-4	SW	3	c	57	65	8	4	-	-	7-8	7-8	1500.
20	Valentia Obsy. †	1014.6	+10	SWS	6	bc	54	65	8	8	-	-	4-6	4-6	2500.
	Roches Point	1017.1	-	SW	4	bc	52	85	8	5	-	-	4-6	4-6	2500.

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

Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. F. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
London (Kew)	1024.1	+6	S	2	z	49	65	6	-	-	-	0	0	-	0	*
Croydon ...	1024.4	+4	S'E	4	z	48	65	6	-	-	5	0	Tr	-	0	*
S. Farnborough	1024.2	+6	S	2	b	48	65	7	-	-	-	0	0	-	0	*
Boscombe Down	1024.0	+10	S'W	3	b	46	85	8	-	-	-	0	0	-	0	*
Calshot (Sthmptn.)	1024.4	0	S'W	3	b	47	85	8	-	-	-	0	0	-	1	$ 2
Lympne ...	1026.0	+2	S'W	3	b	47	55	8	-	-	-	0	0	-	0	$ 2.
Manston ...	1025.4	+6	S'W	4	b	49	45	7	-	-	-	0	0	-	0	*
Shoeburyness ...	1024.7	+2	S	4	b	48	65	7	-	-	-	0	0	-	1	*
Felixstowe ...	1024.8	-6	SSE	3	b	44	75	8	-	-	-	0	0	-	0	2
Gorleston ...	1023.9	-4	SSE	4	b	45	65	6	-	-	-	0	0	-	0	2
Mildenhall ...	1022.9	+2	SSE	3	b	52	55	7	-	-	-	0	0	-	0	*
Cranwell ...	1021.1	-8	S	3	b	53	45	8	-	5	-	0	Tr	-	0	*
Birmingham ...	1021.2	+2	SW	3	b	55	55	8	-	-	1	0	Tr	-	0	*
Upper Heyford	1022.2	+6	S	4	b	51	65	7	-	-	5	0	Tr	-	0	*
Ross-on-Wye	1022.0	+4	S	2	b	51	75	7	1	-	1	Tr	Tr	2500	0	*
Bristol ...	1023.4	+8	SSW	2	b	50	75	7	-	3	1	0	1	-	0	*
Portland Bill ...	1023.6	-2	S	3	b	47	85	7	-	-	-	0	0	-	0	3
Plymouth ...	1023.7	+6	SWS	2	z	49	92	6	8	5	4	Tr	1	4000	0	2
The Lizard ...	1024.1	+8	SSW	2	bc	51	85	7	7	7	-	4-6	4-6	2500	0	3
Scilly (St.Mary's)	1023.2	+4	WSW	4	bc	51	85	7	5	-	3	1	2-3	2500	0	3
Guernsey ...	1024.8	+6	W'N	1	b	51	75	7	-	-	-	0	0	-	0	1
Pembroke ...	1021.2	+2	SW	5	z	48	92	6	5	7	-	2-3	4-6	4000	0	3
Holyhead ...	1017.8	-2	SWS	5	bc	48	92	7	5	-	9	2-3	4-6	800	0	3
Chester (Seeland)	1019.8	-2	SSW	3	b	54	55	7	7	4	-	1	1	4000	0	*
Manchester ...	1019.8	+2	SSW	4	bc	54	55	7	1	-	1	Tr	2-3	5700	0	*
Spurn Head ...	1020.6	-12	S'W	4	bc	50	65	6	-	-	8	0	2-3	-	0	2
Catterick ...	1017.8	+2	SW	3	z	51	55	6	-	-	4	0	Tr	-	0	*
Tynemouth ...	1016.4	0	S	3	bc	55	65	5	5	-	-	2-3	2-3	800	0	2
St. Abbs Head	1015.5	+2	SSW	4	bc	49	75	7	4	5	1	2-3	4-6	2500	0	2
Leuchars ...	1013.5	-2	SSW	5	z	49	75	6	5	4	-	2-3	2-3	2500	0	*
Renfrew (Abbotsl.)	1013.0	-6	SWW	3	pr	46	92	6	8	-	-	9	9	1500	1	*
Eskdalemuir ...	1015.2	-8	SSW	7	c	46	85	8	9	-	-	10	10	1500	0	*
Point of Ayre...	1015.9	-8	SW	5	c	49	85	7	8	6	-	4-6	7-8	1500	0	3
Tiree	1008.4	-6	S'W	5	c	48	85	8	8	7	-	9	9	1500	0	4
Stornoway ...	1005.5	-10	SSW	6	pr	47	85	7	8	7	-	7-8	10	4000	1	3
Dalwhinnie ...	1010.9	-10	S	6	R	43	92	6	6	-	-	10	10	2500	1	*
Aberdeen ...	1011.9	-20	SW	4	b	50	65	6	5	-	1	1	1	2500	0	2
Wick ...	1007.0	-20	S	6	bc	51	65	6	5	1	-	4-6	4-6	1500	1	3
Lerwick ...	1008.2	-14	SSW	6	bc	45	92	6	5	-	-	2-3	2-3	800	1	*
Blacksod Point	1010.5	+10	S	5	bc	50	75	8	9	-	-	4-6	4-6	1500	1	3
Malin Head ...	1010.2	+14	SWW	5	bc	49	85	8	7	-	-	4-6	4-6	2500	0	3
Aldergrove ...	1013.6	+14	SSW	5	bc	49	75	8	8	-	-	2-3	2-3	2500	1	*
Birr Castle ...	1014.8	+10	SSW	3	pr	51	65	8	8	-	-	7-8	7-8	1500	1	*
Valentia Obsy. †	1016.1	+10	SSW	6	c	52	75	8	2	3	2	4-6	7-8	1500	1	5
Roches Point	1018.7	•	SW	4	bc	52	85	8	2	-	5	4-6	4-6	2500	1	4

PAST 24 HOURS.

Weather. 7h.—13h. 14th (37)	Weather. 13h.—18h. 14th (38)	Weather. 18h. 14th to 1h. 15th (39)	Weather. 1h.—7h. 15th (40)
bz.b.y.	bybz.	byz.	Fe
bm.by.	by.	byz.w	bwm.if
bm.xby	byb.	b	bfxaFe
b x bby	byb.	bbm.bF	bFFafe
b.	bbyb.	bbwm.	bm., affe
bby.	by	by.bw	bwx
by.	by.	bbz.	bwx
bwxby.	byb.	b	bm.x
bm.b.	b	b	bm.bwx
cb.	bq.	bz.	bbcz.
bmbz.y.	by.	bybz.	bz.bmbafg
cbcmbm.	by.	bybm.	bm.wcm.
b.	b.	b	b,cm
bz.b.	by.	bm	bmoF
by.	by.	bb	bwcc
by.	by.	bbcbm.	bbcmm.
b.	b.	ff	ff
bybc	bcbm.	b,cm.w	cid.m.
bc	bccbc.	bccf	ffemo
bbc	bc.	bW	cfcbc
b.	b.	bcbw	bwz
bbcc	cbcz.	bccm.q	baifed.m.f
bybc	bc, b.c.	bc, bcw	c
bmz.y.	bz.y.	bcz.	bcc
bm.z.y.	by.	bybcz.bc	bcc
mcb.	bbc.	bbc	bcc
of bz.	bz.	bz.bccc	c
bcm	bcm.	bc	bcc
bmq.	bcm.	b	bbccq
bm.xz.y.	bz.ybz.	b,cir.b	bbcir.
bz.wy.	ycpr.	prbcb	bcar.r.
by.	bybcc.	Rcbc	bcair.
bbc.	bcc.	c	c
b,cir.	cbcciRq.	c	ciR
bcb.	bccpr.	cpri.r.	cnr
bc	bcc,ir	. *	ciRrr
bz.	bz.	bz.b	b,c
bcm.	bcm.	bc	bcc
bcz.	bcz	bc	bccpr
phrq.	prcq.	prcq	iRq
cbc	cprbc.	bcbbcc	c
bybbc	prhbcb.	bbcc	cir.
bbcopre	cpr.	cprc	cpr
cbccbc	bcc.	c	cpr.c
cbc.	bc	bcw	bcwc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 . . Ground covered with thawing snow.
7 . . ,, 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.

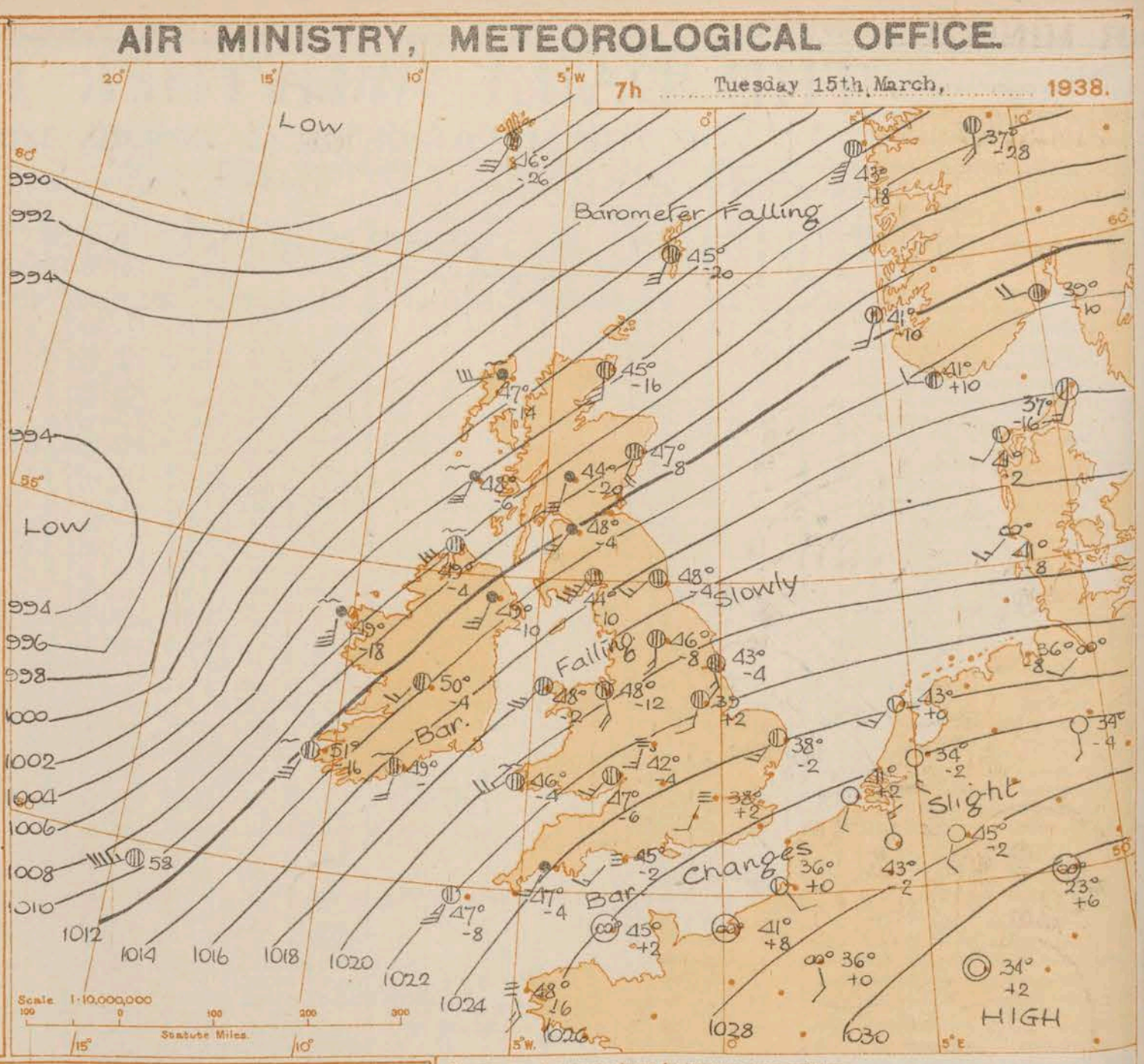
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 14th March 1938.

Districts	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature (°F.) Min. 9h. 13th to 9h. 14th	Temperature (°F.) Max. 9h. – 17h. 14th	Rainfall (mm.) Night 17h. 13th to 9h. 14th	Rainfall (mm.) Day. 9h. – 17h. 14th	Sunshine (Hrs.) Sunrise to 17h. 14th	Sunshine (Hrs.) Sunrise to Sunset. 13th
1	Tunbridge W.	b	b	34	55	-	-	10.2	4.1
	Bournemouth	b	b	41	55	-	-	10.0	10.4.
	Ventnor ...	bz	bz	41	54	-	-	10.0	10.3.
	Southsea ...	b	b	42	52	-	-	10.0	10.2.
	Bognor Regis	b	b	42	49	-	-	10.3	10.2.
	Littlehampton	b	b	42	50	-	-	10.3	10.4.
	Worthing ...	b	b	43	50	-	-	10.0	9.7.
	Brighton ...	b	b	42	51	-	-	10.0	7.7
	Eastbourne† ...	b	b	37	51	-	-	10.3	6.1.
	Hastings† ...	b	b	42	50	-	-	10.3	4.9
	Folkestone ...	b	b	40	52	-	-	10.1	4.2.
	Dover ...	b	b	37	52	-	-	10.3	5.0.
	Deal	b	b	40	56	-	-	10.4	4.9
	Ramsgate ...	bc	bc	43	49	-	-	10.2	4.7
	Margate ...	b	b	40	54	-	-	10.3	4.9
2	Southend ...	b	b	39	58	Trace	-	9.9	3.6.
	Clacton-on-Sea	bz	b	40	47	Trace	-	9.9	4.0
	Dovercourt ...	wb	b	41	49	Trace	-	9.9	3.8.
	Lowestoft ...	b	b	40	47	-	-	9.6	2.7
	Skegness ...	b	b	40	55	-	-	8.7	6.1
	Mablethorpe...	bm.	by	35	58	-	-	8.5	7.3.
	Cleethorpes ...	bcb	b	35	59	-	-	8.8	6.1.
3	Leamington S.	b	b	36	61	-	-	9.7	9.0.
4	Cheltenham†	b	b	37	59	-	-	9.8	10.1.
5	Bath	b	b	37	57	-	-	10.2	10.6.
	Weymouth ...	b	b	44	53	-	-	10.3	10.5
	Jersey ...	b	b	42	58	-	-	10.1	10.4.
	Torquay ...	wb	b	42	56	-	-	10.2	9.3.
	Falmouth	b	b	46	57	-	-	8.8	10.3.
	Penzance ...	b	bbcc	47	57	-	-	8.6	10.3.
	St. Ives ...	b	b	47	59	-	-	8.7	6.8.
	Bude... ...	b	bbc	39	53	-	-	9.7	10.5
	Ilfracombe ...	cbcb	bcb	43	59	-	-	9.6	10.6
6	Aberystwyth	zbc	bcc	45	57	-	-	8.4	10.3.
7	Llandudno ...	b	bbcb	42	58	-	-	8.6	10.0.
	Colwyn Bay...	b	bbcbc	40	59	-	-	9.9	10.2.
	Rhyl	b	bbcb	41	60	-	-	9.1	9.9.
8	Wallasey ...	bz	b	40	59	-	-	9.1	9.8.
	Southport ...	mb	b	39	59	-	-	9.4	9.7
	Blackpool ...	bm.	bm.b	40	57	-	-	9.2	9.6.
	Morecambe ...	bbc	bbcbc	43	57	-	-	10.3	10.2
9	Ilkley... ...	bc	bc	35	60	-	-	6.5	5.8.
	Harrogate ...	ob	b	36	59	-	-	7.0	9.4.
10	Berwick-on-T.	bm.m	mm.b	40	58	-	-	9.6	6.6.
11	Dunbar ...	bcm.	bcm.	41	58	-	-	9.5	5.6.
12	Troon... ...	bbcbb	bbcbc	40	52	-	-	6.5	6.9
	Douglas ...	bwZs	bc	42	50	-	-	8.2	5.9

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ...	Wind south to southwest, moderate; fair apart from local fog at night; mild.
5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England	Wind south to southwest, moderate or fresh; cloudy, coastal fog or drizzle; mild.
9 N. Midlands ... 10 N.E. England	As 0 - 4.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotland 13 B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland	Wind south to southwest, fresh or strong; gale on exposed coasts; some rain; mild.
18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 5 - 8.

H.M. Stationery Office Press, Kingsway W.C.2

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.

Pressure is high to the south of the British Isles whilst depressions are moving northeast off the north of Scotland. Weather will remain fair over England and Wales apart from local drizzle on the west coasts but there will be rain over most of Scotland.

FURTHER OUTLOOK.

Unsettled.

Times of issue of Gale Warnings.

South Cone hoisted at 1100 on 14/3/38 in districts 13A, 13B and part of 18.
South Cone hoisted at 1900 on 14/3/38 in districts 15 and 16.
South Cone hoisted at 1840 on 13/3/38 in districts 19 and 20.

Forecasts issued at 10.30 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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.

Morning of

TUESDAY 15TH MARCH.

1938.

Mercator's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 600

EXPLANATION OF CHART.

ISOBARS. 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 half 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. (K)Thunder. ℤ Thunderstorm. ∞Slight haze.

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 15Th March, 1938.

No. 27872

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

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. 0–12 Force (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	1025·8	+2	S	2	b	40	92	7	–	–	–	0	0	–
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	c	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1026·6	+2·	SW'S	2	b	42	85	7	–	–	–	0	0	–
	Manston ...	142	1025·8	0	S	2	b	45	65	6	–	–	–	0	0	.–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1024·4	+4	SW	2	b	40	75	6	–	–	–	0	0	–
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1025·1	+2	W	3	of	46	82	3	5	–	–	10	10	<150
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1025·3	-2	S'W	3	cf+	48	97	3	5	1	–	10	10	800
	Scilly (St. Mary's)	163	1024·3	-2	SWW	4	b	48	97	7	–	–	–	0	0	–
	Guernsey ..	175	1026·1	-2	SW	1	b	45	97	6	–	–	–	0	0	–
6	Pembroke ...	142	1021·9	+4	SW	4	q	47	97	6	5	7	–	2-3	7-8	2500
7	Holyhead ...	26	1019·5	+2	SSW	5	c	48	92	7	5	–	–	10	10	800
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1021·9	+4	SW'S	3	c	44	86	7	–	1	–	0	7-8	–
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1017·8	+10	S	3	bc	47	85	6	2	–	–	4-6	4-6	1500
11	St Abbs Head ..	280	1016·3	+4	SSW	3	b	44	86	9	–	4	–	0	1	–
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1017·9	+6	WSW	3	c	48	75	7	–	4	–	0	7-8	–
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1004·3	-14	SW	8	ir.	48	85	7	8	7	–	7-8	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1008·0	-2	SW	4	bc	44	85	7	5	7	–	2-3	4-6	1500
16	Lerwick ...	156	1005·8	-8	SSW	6	bc	46	86	7	5	–	–	4-6	4-6	1500
17	Blacksod Point	18	1010·2	-8	S	6	q	51	85	7	9	–	–	10	10	1500
18	Malin Head ...	84	1010·0	0	SW	5	c	48	92	7	8	–	9	4-6	9	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1016·0	-6	SSW	6	o	51	87	7	3	–	–	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (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)
1025·1	+4	SW	2	F	37	97	1	–	–	–	10	10	<150	1	*
1025·4	+2	SSW	2	cf	38	97	3	5	–	2	4-6	7-8	<150	0	*
1025·1	+4	S'W'S	1	F	35	92	1	–	–	–	10	10	<150	1	*
1025·1	+4	S	3	F	39	97	2	–	–	–	10	10	<150	1	*
1025·6	+6	S'W	1	z_o	43	97	5	5	–	–	10	10	450	1	2
1026·2	+2	S	1	bc	41	86	7	–	–	1	0	Tr.	–	0	$0
1025·1	-2	S	2	bc	40	86	7	–	–	5	0	2-3	–	0	*
1025·0	0	SSW	3	b	39	92	5	–	–	1	0	1	–	1	*
1024·9	0	SSW	1	z_o	39	92	5	–	–	2	0	1	–	0	1
1023·6	-2	SW'S	3	bc	38	85	6	–	5	4	0	2-3	–	0	1
1023·8	+2	S'W	2	fc	39	97	6	–	–	2	0	7-8	–	0	*
1022·0	-6	S'W	4	z_o	41	97	6	8	3	1	2-3	9	2500	0	*
1022·6	-4	SSW	3	m	42	97	4	5	–	6	4-6	7-8	450	0	*
1024·3	0	S	1	F	37	97	1	–	–	–	10	10	<150	0	*
1023·1	-6	SW	3	c	47	85	7	5	–	–	9+	9+	2500	0	*
1024·4	0	–	0	z_o	39	97	6	1	–	1	Tr.	2-3	4000	0	*
1024·6	-2	SW	3	cf	45	92	2	5	–	–	10	10	<150	1	3
1024·5	-4	S'W	3	id.	47	97	5	6	–	–	9+	9+	<150	0	2
1024·4	0	S'W	4	0	46	97	7	5	–	–	10	10	1500	1	3
1022·2	-8	SSW	5	bc	47	97	6	6	7	–	1	2-3	2500	0	3
1026·3	+2	–	0	z_o	45	97	6	–	1	–	0	1	–	1	2
1021·2	-4	SW'W	5	q	46	97	6	5	2	–	7-8	10	2500	1	4
1018·3	-2	SW'S	5	c	48	92	7	5	–	–	10	10	800	0	3
1019·9	-12	SSE	4	c	48	85	8	5	7	–	9	9+	4000	0	*
1020·0	-6	S	3	z_o	46	86	6	–	7	4	0	9	–	1	*
1021·1	-4	S'E	3	c	43	92	6	–	3	6	0	7-8	–	0	2
1018·2	-8	S	3	c	46	85	6	5	4	9	4-6	9	2500	0	*
1016·2	-4	SW	3	c	48	92	6	8	–	–	7-8	7-8	1500	0	1
1012·8	-20	SW	5	q	47	86	7	3	2	–	4-6	10	1500	0	2
1011·3	-8	SW	4	ir.	47	86	7	6	7	–	2-3	4-6	1500	1	*
1012·0	-4	SW'S	3	nr.	48	92	6	6	2	–	2-3	10	800	1	*
1013·6	-10	SW	7	o/c	44	97	5	5	–	–	10	10	<150	1	*
1015·9	-8	SW'W	5	c	48	92	7	5	7	–	2-3	10	1500	0	3
1005·4	-6	SSW	6	DR	48	92	6	–	2	–	10	10	1500	1	4
1001·0	-14	WSW	6	nr.	47	86	7	5	7	–	7-8	10	2500	1	4
1008·7	-20	SSW	6	rr	44	92	7	6	–	–	10	10	1500	1	*
1009·4	-8	SSW	4	c	47	86	7	6	4	–	9	9+	1500	0	2
1004·7	-16	S	5	c	45	85	8	5	7	–	4-6	7-8	1500	1	2
1003·5	-20	SSW	6	c	45	82	7	5	3	1	4-6	7-8	2500	1	*
1006·9	-18	S	7	iR	43	92	7	6	–	–	10	10	220	1	5
1007·4	-4	SW	6	c	49	86	7	8	6	–	4-6	9	1500	0	4
1012·3	-10	S'W	5	ir.	49	75	7	5	2	–	7-8	10	1500	1	*
1013·3	-4	SW	3	c/pr	50	85	7	6	2	–	2-3	10	1500	1	*
1013·5	-16	SSW	6	c	51	86	7	5	–	–	10	10	1500	0	4
1017·2	*	SSW	4	c	49	87	7	5	1	–	7-8	9	1500	1	4

PAST 24 HOURS.

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 14th Hrs. (36)
56	35	25	–	Tr.	10·5
57	37	32	–	–	10·5
57	28	24	–	Tr.	10·3
56	32	30	–	0·1	10·3
54	40	34	–	0·1	10·8
54	41	27	–	–	10·8
55	36	27	–	–	10·6
54	38	27	–	–	10·4
49	37	26	–	Tr.	10·5
46	37	35	–	–	10·2
59	38	25	–	Tr.	9·8
58	39	35	–	–	9·6
59	40	37	–	–	9·9
59	35	25	–	–	*
59	43	32	–	–	10·4
58	37	29	–	–	10·2
51	43	*	–	Tr.	*
54	47	41	–	Tr.	10·1
55	45	*	–	Tr.	9·5
55	46	*	–	Tr.	9·5
58	44	36	–	–	10·8
60	45	*	–	Tr.	7·0
53	46	43	–	–	9·2
61	43	36	–	–	10·0
59	43	39	–	–	9·8
56	43	*	–	–	8·7
59	44	36	–	–	6·8
57	46	41	–	–	7·6
54	42	*	–	–	*
56	43	37	–	0·2	9·8
55	44	41	.2	5	7·7
54	42	40	–	1	7·0
56	47	*	–	–	8·1
51	46	45	2.	5	6·7
52	46	*	Tr.	6	6·7
52	40	36	0·5.	8	6·9
51	44	38	–	–	8·8
52	42	*	–	–	*
50	43	*	–	Tr.	8·8
51	43	*	2.	11	
54	45	*	Tr.	Tr	7·4
57	44	38	2.	Tr.	6·4
56	45	*	0·6.	0·2	5·9
55	51	48	–	0·1	5·6
53	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	bz by	by bz.	by z. Fe	56	35	25	–	Tr	10·5	*	*	1
Croydon	217	bm by	by	by z. m if	57	37	32	–	–	10·5	*	*	1
Greenwich (Royal Observatory)...	149	by	by	bxm	60	35	24	–	–	10·4	30	83	3
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	9·3	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	59	37	32	–	–	9·8	36	98	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	59	36	26	–	–	8·8	41	91	*
Camden Square	110	b	b	*	60	37	26	–	–	*	*	97	*
Kensington	80	b	b	*	58	36	27	–	–	10·2	At 18h. 51	93	*
Hampstead Observatory	450	b	b	of	57	36	31	–	–	9·4	*	99	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 15th

South Kensington. Max.	Time.	Min.	Time.
0·3	20-22h 14+h	40·3	3-5h 15+h

Kew Observatory. Max.	Time.	Min.	Time.
0·3	21hr. 14+h	40·1	11-14h 14+h

FOREIGN OBSERVATIONS.

Stations.	18h G.M.T. 14th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 15th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1027·1	E	2	z_o	54	1028·1	SSE	2	z_o	36
Brussels	1027·3	SSW	3	b	50	1027·3	SSW	3	b	43
Berlin	1029·1	–	0	z_o	48	1027·1	SW	2	z_o	36
Zurich	1031·0	S	1	b	46	1033·1	SE	1	m	32
Rome	1028·2	NE	2	b	48	1031·4	NE	3	b	34

Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
59	32	–	–
61	37	–	–
55	32	–	–
54	30	–	–
*	*	–	–

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director

† hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 16th March. 1938.

No. 27873.

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 15th March. Barom. reduced to M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	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)	1024.0	-12	SW's	3	c	52	75	7	-	3	2	0	9	-
	Croydon ...	1024.6	-10	SSW	3	c	53	75	7	1	-	2	Tr	7-8	1500.
	S. Farnborough	1024.4	-14	SSW	4	c	54	75	7	5	-	3	4-6	7-8	2500.
	Boscombe Down	1024.7	-2	SW's	3	c	52	75	8	5	-	6	7-8	7-8	800.
	Calshot (Sthmtn.)	1025.4	-10	SW's	4	c/d	49	92	6	5	-	-	10	10	450.
	Lympne ...	1025.0	-14	SW	3	bc	57	65	7	-	-	5	0	2-3	-
	Manston ...	1024.2	-14	SW's	4	bc	59	55	8	-	5	6	0	4-6	-
2	Shoeburyness	1024.1	-12	SW	3	bc	58	55	6	-	-	6	0	4-6	-
	Felixstowe	1023.4	-20	S	3	bc	53	65	7	-	-	8	0	4-6	-
	Gorleston ...	1021.9	-16	SE's	4	bc	54	65	6	-	4	2	0	4-6	-
	Mildenhall ...	1022.2	-14	SW	5	c	59	45	7	-	7	6	0	9	-
	Cranwell ...	1020.4	-12	SSW	5	c	57	65	7	-	7	-	0	9	-
3	Birmingham ...	1021.0	-4	SW	4	c	53	65	7	-	3	6	0	9	-
	Upper Heyford	1023.1	-16	SSW	4	c	56	65	8	1	4	2	1	9+	1500.
4	Ross-on-Wye	1022.0	-8	SW's	4	c	52	65	7	1	2	-	Tr	9+	2500.
5	Bristol ...	1024.0	+2	SW	4	c	50	75	8	5	1	8	4-6	9	1500.
	Portland Bill ...	1024.7	-6	WSW	3	o	46	92	7	5	-	-	10	10	1500.
	Plymouth ...	1024.6	-4	SE	3	2o	48	92	6	5	-	-	9+	9+	800.
	The Lizard ...	1023.3	0	SW	3	c	52	85	8	4	6	-	7-8	9	2500.
	Scilly (St. Mary's)	1022.3	-8	SW's	5	c	52	85	6	5	-	-	9+	9+	1500.
	Guernsey ...	1025.7	-4	SSW	2	bc	54	65	7	-	1	-	0	2-3	-
6	Pembroke ...	1021.1	0	SW	6	q	48	92	6	5	2	-	7-8	10	2500.
7	Holyhead ...	1017.6	+2	SSW	5	c	49	85	7	5	2	-	7-8	10	800.
	Chester (Sealand)	1018.6	-12	SW	5	c	54	55	8	5	2	-	9	10	4000.
8	Manchester ...	1019.1	-10	SW's	4	c	53	65	7	7	7	8	2-3	10	2500.
10	Spurn Head ...	1019.5	-4	SWW	4	c	57	92	6	-	3	8	0	7-8	-
	Catterick ...	1016.6	-14	SW	5	c	54	65	7	5	7	-	4-6	9	2500
	Tynemouth ...	1015.4	+2	SW	4	c	53	75	6	8	4	-	4-6	7-8	1500.
11	St Abbs Head .	1009.1	-24	W	8	q	51	75	8	9	8	-	4-6	9	1500.
	Leuchars ...	1009.4	-4	SW	6	c	52	75	7	8	-	-	9+	9+	1500.
12	Renfrew (Abbotsl.)	1010.2	-8	SW's	5	r.r.	50	85	6	6	1	-	4-6	10	800.
	Eskdalemuir ...	1017.4	-4	SW's	8	r.r.	45	92	6	6	-	-	10	10	800.
	Point of Ayre...	1014.5	-8	SWW	6	c	51	85	7	5	1	-	4-6	10	800.
13A	Tiree	1004.7	-2	SSW	6	o/r	49	92	6	-	2	-	10	10	1500.
13B	Stornoway ...	1001.0	-2	SW	5	r.r.	49	97	7	5	2	-	7-8	10	2500.
15	Dalwhinnie ...	1006.6	-2	SW	76	ir	46	92	7	4	1	-	4-6	10	1500.
	Aberdeen ...	1007.5	-2	SW's	4	c	54	65	6	5	4	9	2-3	9	1500.
	Wick ...	1002.9	-6	SSW	5	c	51	75	8	8	9	1	4-6	7-8	1500.
16	Lerwick ...	1000.1	-14	SW	7	c/r	47	85	7	8	7	-	7-8	9	800.
17	Blacksod Point	1006.8	-2	S	7	iD	50	97	6	6	-	-	10	10	4150.
18	Malin Head ...	1006.4	-2	SW	7	c	52	85	7	8	-	-	9+	9+	1500.
	Aldergrove ...	1011.0	-6	SSW	5	ir.	52	75	7	5	2	-	9	10	1500.
19	Birr Castle ...	1012.9	-4	SSW	3	pr	52	85	7	6	2	-	4-6	10	1500.
20	Valentia Obsy. †	1011.8	-10	SSW	6	r.r.	51	97	6	6	-	-	10	10	800
	Roches Point	1016.0	-	SW	4	r.r.	50	92	6	6	2	-	7-8	10	1500.

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 18h. G.M.T. 15th March. Barom. reduced to M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (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)	1023.2	-2	SW's	4	c	50	75	7	5	3	8	2-3	7-8	2500	0	*
	Croydon ...	1023.7	0	SSW	3	2o	49	85	6	1	4	2	4-6	7-8	1500	0	*
	S. Farnborough	1023.5	-2	SSW	4	c	47	85	6	5	1	-	4-6	7-8	2500	0	*
	Boscombe Down	1023.1	-6	SW's	3	c	48	85	8	5	-	6	2-3	9	800	0	*
	Calshot (Sthmtn.)	1024.1	-6	SW's	2	c	48	85	7	5	3	-	9	9+	1500	1	2
	Lympne ...	1025.1	+2	SW's	4	F	44	97	1	-	-	-	10	10	4150	0	§ 1
	Manston ...	1023.8	+6	SSW	3	c	47	85	6	-	2	6	0	9	-	0	*
2	Shoeburyness	1023.0	0	WSW	2	c	52	75	6	5	1	-	1	9+	4000	1	*
	Felixstowe	1022.4	+2	SSW	3	c	52	65	7	-	7	-	0	9	-	0	2
	Gorleston ...	1021.2	0	SSW	3	c	54	55	6	5	-	-	10	10	2500	0	2
	Mildenhall ...	1020.7	-10	SSW	4	c	54	65	7	-	2	-	0	10	-	0	*
	Cranwell ...	1019.1	+4	SSW	4	c	52	75	8	-	7	-	0	9+	-	0	*
3	Birmingham ...	1019.4	-10	S	3	c	50	75	8	-	4	6	0	9+	-	0	*
	Upper Heyford	1022.1	-8	SSW	4	c	49	75	8	-	7	8	0	9+	-	0	*
4	Ross-on-Wye	1019.7	-12	SW's	3	c	51	65	7	5	7	1	1	9	2500	0	*
5	Bristol ...	1020.9	-18	SW	3	bc	51	75	8	-	9	9	0	4-6	-	0	*
	Portland Bill ...	1022.9	-6	SW	3	c	47	85	7	4	4	-	4-6	7-8	2500	1	3
	Plymouth ...	1022.4	-12	S	3	c	49	92	8	5	-	-	9	9	2500	0	2
	The Lizard ...	1021.9	-2	S	4	c	49	92	7	8	6	-	4-6	9	1500	1	3
	Scilly (St. Mary's)	1020.2	-4	SW's	5	c	50	85	7	4	7	-	2-3	7-8	2500	0	3
	Guernsey ...	1025.4	-4	SW	1	c	51	75	7	8	-	-	9+	9+	2500	1	1
6	Pembroke ...	1018.5	-10	SW	6	q	4o	92	7	5	2	-	4-6	9+	2500	1	4
7	Holyhead ...	1014.6	-10	SW	5	c/pr	49	85	7	5	2	-	2-3	10	800	0	5
	Chester (Sealand)	1017.0	-14	SW	4	c	53	55	8	5	7	-	7-8	9	4000	0	*
8	Manchester ...	1016.6	-20	SSW	4	c	51	65	7	5	7	-	7-8	9+	5700	0	*
10	Spurn Head ...	1017.5	-4	SSW	4	c	51	75	6	5	-	-	9+	9+	2500	0	3
	Catterick ...	1015.0	-10	SW's	4	c	50	65	7	5	7	9	4-6	7-8	1500	0	*
	Tynemouth ...	1012.8	-14	SW	5	bc	52	75	6	2	4	-	4-6	4-6	1500	0	1
11	St Abbs Head .	1007.9	0	WSW	8	q	49	85	8	9	8	2	4-6	7-8	1500	0	4
	Leuchars ...	1007.9	-8	SW	5	c	51	85	7	5	-	-	10	10	1500	0	*
12	Renfrew (Abbotsl.)	1008.5	-16	SW	5	ir.	50	85	6	6	2	-	4-6	10	800	1	*
	Eskdalemuir ...	1010.6	-10	SW	7	rr	44	97	6	6	-	-	10	10	220	1	*
	Point of Ayre...	1011.8	-6	SW	6	c	49	92	7	5	1	-	4-6	10	800	1	3
13A	Tiree	1003.4	-8	SSW	5	Dr	50	97	2	-	2	-	9	10	450	1	4
13B	Stornoway ...	1001.2	+4	S	2	c	50	85	7	5	7	-	7-8	9+	2500	1	1
15	Dalwhinnie ...	1005.7	-12	SW	4	ir.	46	92	6	5	-	-	10	10	1500	1	*
	Aberdeen ...	1005.7	-6	SW	4	c	51	75	6	5	4	9	4-6	9	2500	0	2
	Wick ...	1001.8	-4	S	4	c	50	85	8	5	7	-	7-8	9+	1500	1	2
16	Lerwick ...	999.0	-4	SW	6	c/pr	46	92	8	8	7	-	4-6	7-8	800	1	
17	Blacksod Point	1004.5	-12	SSW	7	iD	51	97	6	6	-	-	10	10	4150	2	5
18	Malin Head ...	1004.7	-14	SSW	5	c	53	92	7	8	2	-	7-8	9	1500	0	4
	Aldergrove ...	1006.7	-16	SW	4	ir.	51	85	7	5	-	-	10	10	800	1	*
19	Birr Castle ...	1010.2	-10	S	2	r.r.	53	92	7	6	2	-	4-6	10	1500	1	*
20	Valentia Obsy. †	1010.1	-4	SSW	6	ir.	52	97	6	6	-	-	10	10	450	1	4
	Roches Point	1013.7	-	SW	4	dd	50	97	6	5	-	-	10	10	450	1	4

District	Stations. (For heights see p. 4.)	PAST 24 HOURS. Weather. 7h.—18h. ...15th. (37)	18h.—18h. ...15th. (38)	18h. 15th to 1h. 16th. (39)	1h.—7h. ...16th. (40)
1	London (Kew)	Fec.	c.	c	cb
	Croydon ...	lfcbcm⊕	bcc⊕cm.	cm.	cbc
	S. Farnborough	OFFm.c	ccm.	cbcm.	cbwv
	Boscombe Down	offbcc	c.	cbcc	c
	Calshot (Sthmtn.)	cm.id.cm.	cm.	cbwc	cbc
	Lympne ...	bm.z.	bcOF.	feb.cm.	cm.
	Manston ...	bz.bcy.	bccy z.	cm.b	cbw
2	Shoeburyness	bbcm.y⊕	bccz.y.	cz.bc	bcw
	Felixstowe	bm.bcm.	bcc.	cbw	bcbw
	Gorleston ...	bccz.q	bccz.y.	cbcz.	bcq
	Mildenhall ...	bcm.cy.	cyc.	cbc	bcbwbc
	Cranwell ...	cm.bcc.	c .	cbcc	cbc
3	Birmingham ...	cbcc	c	cbc	bcc
	Upper Heyford	cFc	cyc.	c	ccm.
4	Ross-on-Wye	bcc	c	c	c
5	Bristol ...	bcc	cbc.	bcc	cbcw
	Portland Bill ...	fo.	oc.	c	c
	Plymouth ...	cld.m.c	cm.c.	c	cm.
	The Lizard ...	c	cbcc.	cbc	bccw
	Scilly (St. Mary's)	bcc	cbcc	cbcwc	cbcwc
	Guernsey ...	bzbc	bcc.	c	c
6	Pembroke ...	cqm.c	bcqm.c	id.rm.qc	cqm.ic
7	Holyhead ...	d.c	pr.c	prd.d.c	d.d.m.c
	Chester (Sealand)	c	cy.	c	cr.c
8	Manchester ...	cm.c	c	c	c
10	Spurn Head ...	bcc	c	ccq	cqc
	Catterick ...	cm.c	cbc	bcc	cpr
	Tynemouth ...	cq.	cbc.	bccq	cq
11	St Abbs Head .	cq	cq.	cq	c
	Leuchars ...	bcir.cq	cq.	cir.c	cq
12	Renfrew (Abbotsl.)	cm.r.r.	r.r.ir.c	cr.r.rr	rrcir.
	Eskdalemuir ...	crrr.	cr.rr.	r.r.rr	rrfrr
	Point of Ayre...	ir.c	r.r.c.	cir.	ir.c
13A	Tiree	or.rro	ordrr.	cidrr	oir
13B	Stornoway ...	cRrr	cr.r.	crr	crr
15	Dalwhinnie ...	crrir	cir.	*	ciR
	Aberdeen ...	cz.	cbcc	cz.cq	cbc
	Wick ...	ir.prrr	crr.	c	cir.c
16	Lerwick ...	iDq.	iDrq.	iRq	iRdq
17	Blacksod Point	cpr.c	c	cr.r.cir.c	cr.r.c
18	Malin Head ...	cir.	r.r.ir.c.	cir.r.r.	r.r.c.ir.
	Aldergrove ...	cpr	prr.r.	r.r.pr.	cpr.c
19	Birr Castle ...	cr.r.	r.r.ir.	ir.ir.r.	r.r.ir.r.
20	Valentia Obsy. †	crr.	rrdd.	cddo	drdro
	Roches Point				

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. „ 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.

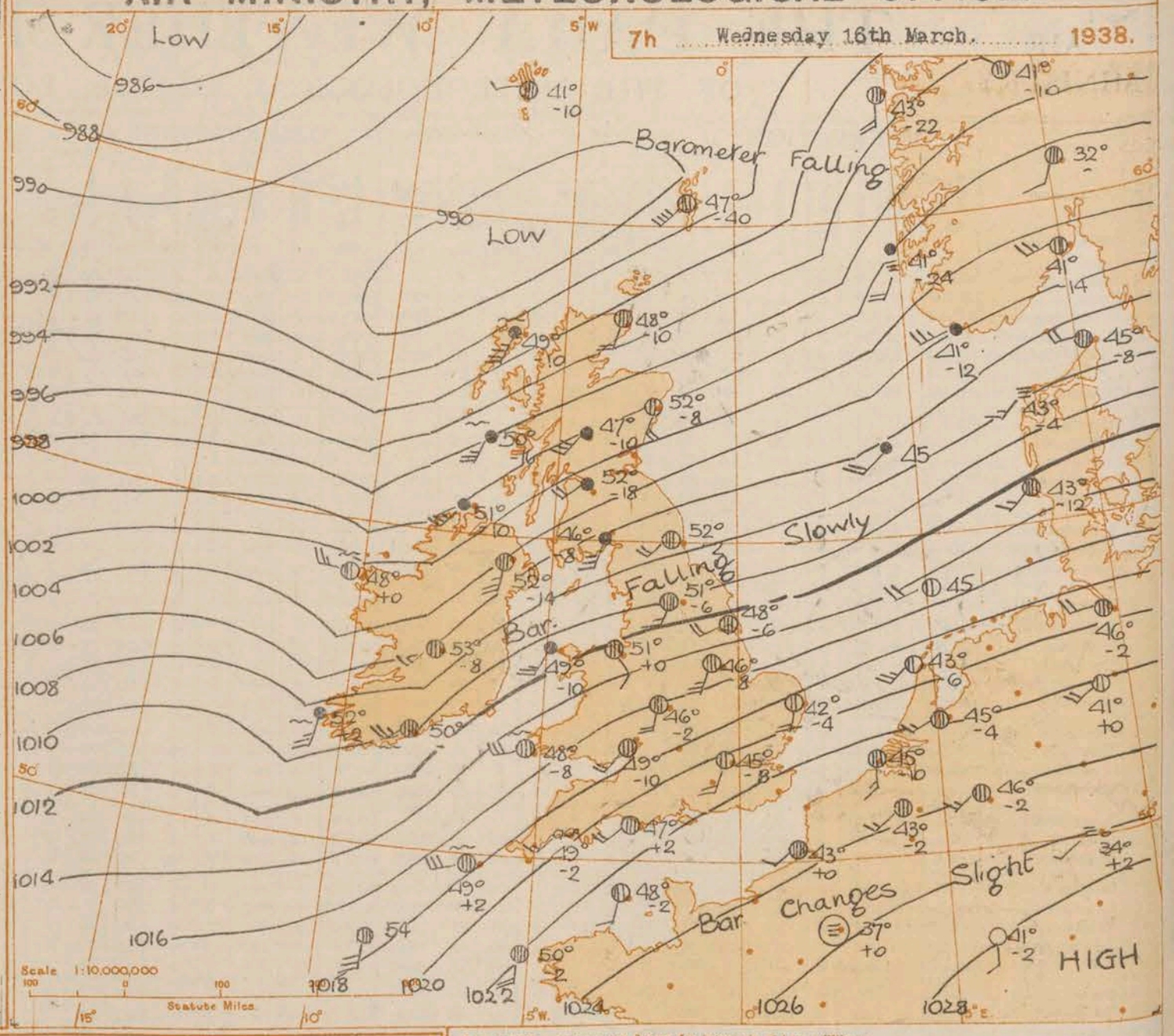
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Son disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 15th March 1938.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 9h. 14th to 9h. 15th	Temperature. (°F.) Max. 9h.—17h. 15th	Rainfall. (mm.) Night. 17h. 14th to 9h. 15th	Rainfall. (mm.) Day. 9h.—17h. 15th	Sunshine. (Hrs.) Sunrise to 17h. 15th	Sunshine. (Hrs.) Sunrise to Sunset. 14th
1	Tunbridge W.	bbc	bc	30	58	-	-	6.8	10.5.
	Bournemouth	oc	c	43	50	-	-	0.7	10.4.
	Ventnor ...	om	omc	41	47	-	-	0.0	10.4.
	Southsea ...	oc	cbc	39	53	-	-	2.0	10.3.
	Bognor Regis	cbcc	cbcco	35	49	Trace	-	0.8	10.5.
	Littlehampton	oc	c	33	48	-	-	0.7	10.9.
	Worthing ...	c	c	35	50	-	-	0.1	10.6.
	Brighton ...	c	c	35	48	Trace	-	0.0	10.5.
	Eastbourne† ...	fbcc	co	36	51	-	-	2.6	10.7.
	Hastings† ...	cbcbc	cmofe	39	52	-	Trace	5.0	10.8.
	Folkestone ...	bcmbc	bccof	34	51	-	-	3.8	10.2.
	Dover ...	bfc	fco	36	50	-	-	2.9	10.6.
	Deal	cb	bbco	38	61	-	-	7.1	10.8.
	Ramsgate ...	bc	bc	43	59	-	-	7.8	10.4.
	Margate ...	bc	bcc	42	62	-	-	8.2	10.3.
2	Southend ...	bz	bbc	39	56	Trace	-	7.6	10.1
	Clacton-on-Sea	bbcz	bc	39	55	-	-	8.2	10.5.
	Dovercourt ...	bc	bcbcc	38	59	-	-	7.2	10.3.
	Lowestoft ...	b	bbcc	37	58	-	-	7.0	10.2.
	Skegness ...	bcbc	bcc	39	58	-	-	4.4	8.7
	Mablethorpe...	bc	cbccy	35	61	-	-	4.8	8.5.
	Cleethorpes ...	bc	bcc	43	60	-	-	5.9	9.3.
3	Leamington S.	bc	bcc	36	57	-	-	4.7	9.7
4	Cheltenham†	wqbcc	cbc	38	55	-	-	4.8	10.2.
5	Bath	bcc	bcc	35	53	-	-	3.1	10.6.
	Weymouth ...	fmc	c	44	49	Trace	-	0.0	10.8.
	Jersey ...	cbc	bcc	47	55	-	-	4.1	10.3.
	Torquay ...	wbcc	cbc	41	54	-	-	1.5	10.6.
	Falmouth	b	c	44	56	-	-	3.4	8.8.
	Penzance ...	ccbc	bcbbc	46	54	-	-	4.4	8.6.
	St. Ives ...	b	b	44	59	-	-	4.4	8.7
	Bude... ...	bcc	cbc	39	55	-	-	5.5	10.1
	Ilfracombe ...	bcbc	cbc	45	56	-	-	4.9	9.9.
6	Aberystwyth	c	c	47	53	-	-	0.6	8.7
7	Llandudno ...	cbc	cbcc	47	58	-	-	4.5	8.9.
	Colwyn Bay...	cbcc	cbcbc	47	55	-	-	3.1	10.4
	Rhyl	c	c	47	55	-	-	0.3	9.5.
8	Wallasey ...	c	c	44	54	-	-	0.6	9.5.
	Southport ...	c	c	44	54	-	-	0.1	9.7
	Blackpool ...	co	oc	45	55	-	-	0.4	9.6
	Morecambe ...	cbcc	c	43	52	-	-	0.1	10.5.
9	Ilkley... ...	bc	bc	38	55	-	-	5.2	6.7
	Harrogate ...	bc	bc	37	56	-	-	6.5	7.0
10	Berwick-on-T.	co	coc	44	54	Trace	-	0.2	9.6.
11	Dunbar ...	bcm.	bcm.	44	57	-	-	6.2	9.5.
12	Troon... ...	rorro	rrorо	42	47	4	7	0.0	6.5.
	Douglas ...	bcm.	bcmor	45	50	-	0.5	0.0	8.2.

* Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.



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. 16th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Moderate southwest wind; fair today, showers later; mild today, becoming cooler.
6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Strong southwest to west winds, gale on exposed coasts; occasional rain or showers; becoming cooler.

H.M. Stationery Office Press, Kingsway W.C.2. 8332/3426 m 8020 D 6513 2p 348 32240 3/38.

GENERAL INFERENCE.

Pressure is high to the south of the British Isles, while depressions are moving northeast off the west of Scotland.

Weather will remain fair today in S.E.England, but rain will spread to all districts during the night.

FURTHER OUTLOOK.

Unsettled and cooler.

TIME OF ISSUE OF GALE WARNINGS.

South Cone hoisted at 1840 on 13th in districts 17 & 20.
" " " " 1100 on 13th in districts 13 & 18.
" " " " 1900 on 14th in districts 15 & 16.

Forecasts issued at 1030 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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.

Morning of

WEDNESDAY 16TH MARCH.

1938.

Lambert's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

WEATHER. 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 half 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.

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 16th March, 1938.

No. 27873.

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

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	-8	S'W	3	c	45	92	7	5	-	-	9+	9+	2500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1023·8	-10	SW	2	Z_o	42	97	6	5	3	-	7-8	9+	5700
	Manston ...	142	1022·8	-8	SSW	4	b	43	92	8	-	3c	-	0	1	-
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1019·7	0	SSW	4	bc	44	75	6	-	6	-	0	2-3	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1021·9	-6	SW	3	c	47	85	7	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1020·9	-6	S'W	5	bc	48	97	7	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1019·0	-12	SW	5	c	49	92	7	5	-	-	7-8	7-8	2500
	Guernsey ..	175	1025·1	-2	SSW	1	c	48	75	7	5	-	-	9+	9+	2500
6	Pembroke ...	142	1017·0	-8	SW'S	6	q	48	92	7	5	2	-	7-8	10	1500
7	Holyhead ...	26	1012·8	-10	SSW	6	$d_o d_o$	48	97	6	5	2	-	7-8	10	450
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1014·7	-12	SW	6	q	48	75	7	5	7	-	4-6	7-8	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1009·5	-14	W	4	q	51	85	7	8	-	-	9+	9+	1500
11	St Abbs Head ..	280	1006·0	-10	WSW	8	q	49	85	8	9	6	2	4-6	7-8	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1009·9	-12	SWW	6	ir	49	97	7	8	1	-	7-8	10	800
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	996·1	-24	SSW	6	rr	49	97	6	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	998·9	-16	SSW	5	ir	47	97	7	5	7	-	7-8	9+	1500
16	Lerwick ...	156	999·0	-10	SW	4	c	45	92	8	8	2	-	7-8	10	800
17	Blacksod Point	18	1005·2	-2	S	7	q	52	92	7	9	-	-	10	10	800
18	Malin Head ...	84	1002·2	-6	SSW	4	c/r	52	92	7	8	-	-	9	9	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1008·0	-6	SW	6	d	53	97	7	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (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)	1020·2	-10	SSW	3	b	46	85	8	-	7	1	0	1	-	0	*
	Croydon ...	1020·4	-8	S'W	4	bc	45	92	7	-	4	1	0	4-6	-	0	*
	S. Farnborough	1020·4	-2	SW'S	3	b	44	85	8	-	4	1	0	1	-	0	*
	Boscombe Down	1020·0	-4	SW'S	4	c	46	92	7	5	-	-	10	10	1500	0	*
	Calshot (Sthmtn.)	1021·3	0	SW'S	4	c	47	85	7	5	5	-	2-3	7-8	2500	1	3
	Lympne ...	1022·3	-2	SW'S	3	Z_o	42	97	6	5	-	-	7-8	7-8	5700	0	1
	Manston ...	1021·3	-6	SW	3	b	42	92	7	-	4	1	0	1	-	0	*
2	Shoeburyness ...	1020·2	-2	S'W	3	bc	45	85	7	-	-	4	0	2-3	-	1	*
	Felixstowe ...	1019·8	-10	SSW	4	bc	45	85	8	-	-	6	0	2-3	-	1	2
	Gorleston ...	1018·3	-4	SSW	4	bc	42	85	7	-	7	1	0	4-6	-	0	2
	Mildenhall ...	1017·6	-8	SSW	5	c	46	75	8	-	4	2	0	7-8	-	1	*
	Cranwell ...	1015·2	-2	S'W	5	c	46	92	8	5	3	-	7-8	9+	1500	0	*
3	Birmingham ...	1016·2	-2	SSW	4	c	46	85	8	6	7	-	7-8	9+	800	0	*
	Upper Heyford	1018·5	-4	SW'S	4	Z_o	44	92	6	5	3	2	2-3	9	1500	0	*
4	Ross-on-Wye	1017·2	-10	SWS	4	c	49	85	7	5	-	-	10	10	1500	0	*
5	Bristol ...	1018·7	-8	W	3	c	48	85	7	4	7	9	4-6	7-8	1500	0	*
	Portland Bill ...	1020·1	+2	SW	4	c	47	92	7	4	-	-	10	10	2500	1	3
	Plymouth ...	1020·4	-2	SW	3	Z_o	49	92	6	5	-	-	9	9	4000	0	2
	The Lizard ...	1019·2	-4	SSW	5	c	49	85	8	8	4	-	4-6	7-8	2500	0	3
	Scilly (St. Mary's)	1017·7	+2	SW'W	6	c	49	85	7	5	-	-	9	9	1500	0	4
	Guernsey ..	1023·3	-2	SSW	2	c	48	85	7	5	-	-	9+	9+	4000	0	2
6	Pembroke ...	1014·3	-8	SW'W	6	q	48	97	7	8	2	-	7-8	9+	2500	1	4
7	Holyhead ...	1010·1	-10	SW'S	5	$d_o d_o$	49	97	6	5	2	-	7-8	10	450	1	3
	Chester (Sealand)	1012·7	0	SE	2	c/r	51	85	8	6	3	-	7-8	9+	2500	0	*
8	Manchester ...	1012·3	-10	SSW	5	c	51	85	7	8	3	-	7-8	9+	4000	1	*
10	Spurn Head ...	1013·8	-6	SW'S	4	c	48	92	7	5	4	-	4-6	7-8	2500	0	3
	Catterick ...	1009·8	-6	S'W	3	c/pr	51	85	7	5	-	-	10	10	1500	0	*
	Tynemouth ...	1007·4	-2	SW	4	c	52	85	7	8	-	-	7-8	7-8	1500	0	2
11	St Abbs Head ..	1002·8	+6	WSW	6	c	49	92	8	9	6	2	4-6	7-8	1500	0	4
	Leuchars ...	1001·6	-6	SW	5	c	53	85	8	5	-	1	7-8	9	1500	0	*
12	Renfrew (Abbotsl.)	1002·8	-18	SW	4	ir	52	92	6	5	-	-	10	10	800	1	*
	Eskdalemuir ...	1005·8	-8	SSW	6	rf	46	97	3	-	2	-	10	10	1150	1	*
	Point of Ayre ...	1007·5	-12	SW'W	5	c	50	97	7	8	1	-	4-6	10	800	1	3
13A	Tiree	996·8	-16	SSW	5	ir	50	92	6	-	2	-	10	10	1500	1	4
13B	Stornoway ...	993·7	-10	SSW	7	rr	49	97	6	5	2	-	7-8	10	1500	1	4
15	Dalwhinnie ...	999·8	-10	SW	6	ir	47	85	6	8	6	-	7-8	10	2500	1	*
	Aberdeen ...	999·3	-8	SSW	4	bc	52	85	8	5	4	9	2-3	4-6	2500	0	2
	Wick ...	994·8	-10	SSW	4	c	48	85	8	5	9	1	4-6	7-8	1500	1	2
16	Lerwick ...	991·2	-40	SW	8	c/r	47	97	7	8	7	-	7-8	9	800	1	*
17	Blacksod Point	1002·9	0	W	5	c	48	92	8	5	-	-	7-8	7-8	800	1	4
18	Malin Head ...	998·8	-10	SW	5	rr	51	97	6	9	-	-	9	9	1500	0	3
	Aldergrove ...	1003·3	-14	S'W	5	c/r	52	85	8	6	3	-	9	9+	1500	1	*
19	Birr Castle ...	1006·5	-8	SW	3	c	53	85	8	8	-	-	7-8	7-8	1500	1	*
20	Valentia Obsy. †	1008·6	+2	SSW	5	rr	52	97	6	6	-	-	10	10	450	1	4
	Roches Point	1010·5	*	SW	5	o/r	50	97	6	5	-	-	10	10	800	1	4

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 15th Hrs. (36)
1	London (Kew)	56	45	40	Tr.	-	3·1
	Croydon ...	57	45	41	-	-	3·8
	S. Farnborough	54	43	*	-	Tr	3·2
	Boscombe Down	52	43	40	Tr.	-	4·0
	Calshot (Sthmtn.)	50	45	43	Tr.	-	0·3
	Lympne ...	57	41	35	-	-	6·8
	Manston ...	60	38	35	-	-	7·9
2	Shoeburyness ...	59	44	38	-	-	7·6
	Felixstowe ...	57	43	38	-	-	6·6
	Gorleston ...	60	41	38	-	-	6·0
	Mildenhall ...	59	43	32	-	Tr	6·0
	Cranwell ...	60	45	42	-	-	4·8
3	Birmingham ...	54	44	42	-	-	4·9
	Upper Heyford	57	42	37	-	-	*
4	Ross-on-Wye	55	48	44	-	-	3·1
5	Bristol ...	53	45	42	-	-	4·1
	Portland Bill ...	48	45	*	-	-	*
	Plymouth ...	51	48	47	Tr.	-	0·7
	The Lizard ...	53	47	*	-	-	2·7
	Scilly (St. Mary's)	53	48	*	-	-	6·3 ~~5·8~~
	Guernsey ..	57	45	42	-	-	8·0
6	Pembroke ...	49	47	*	-	0·2	1·0
7	Holyhead ...	49	47	47	Tr.	0·3	0·0
	Chester (Sealand)	54	50	47	-	Tr	0·0
8	Manchester ...	53	49	47	-	-	0·5
10	Spurn Head ...	58	46	*	-	-	4·5
	Catterick ...	55	49	45	-	0·4	2·9
	Tynemouth ...	55	50	46	-	-	2·5
11	St Abbs Head ..	54	46	*	Tr.	-	*
	Leuchars ...	55	50	48	Tr.	Tr	1·8
12	Renfrew (Abbotsl.)	50	49	48	5	10	0·0
	Eskdalemuir ...	47	43	43	5	15	0·0
	Point of Ayre ...	52	48	*	1	1	0·0
13A	Tiree	50	49	49	8	7	0·0
13B	Stornoway ...	51	47	*	4	7	0·0
15	Dalwhinnie ...	47	45	43	4	6	0·2
	Aberdeen ...	55	49	47	-	-	1·5
	Wick ...	53	46	*	Tr	0·6	*
16	Lerwick ...	48	44	*	-	4	0·6
17	Blacksod Point	53	45	*	14	10	*
18	Malin Head ...	53	50	*	Tr.	2	0·1
	Aldergrove ...	57	50	49	0·5	0·6	0·0
19	Birr Castle ...	53	51	*	2	2	0·0
20	Valentia Obsy. †	53	52	51	9	6	0·0
	Roches Point	50	49	*	4	5	*

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	10	Fec	c	cb	56	45	40	Tr.	-	3·1	*	*	7
Croydon	217	ifcbcm	bccbcm	cmcbc	57	45	41	-	-	3·8	*	*	7
Greenwich (Royal Observatory)...	149	bmc ⊕	cy	cbc	58	44	38	-	-	7·6	57	73	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	5·4	*	*	*
Westminster (St James' Park) ...	27	*	*	*	58	40	39	-	-	3·6	63	79	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	57	39	36	-	-	2·9	73	79	*
Camden Square	110	b	bcc	*	57	40	38	-	-	*	*	77	*
Kensington	80	om	ombc	*	58	46	38	-	-	3·9	71 18h.	77	*
Hampstead Observatory	450	of	bc	o	54	43	37	-	-	3·1	*	91	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

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

South Kensington

Max.	Time.	Min.	Time.
0·3	9-10hrs 15th	<0·3	1-3hrs 16th

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	9hrs 15th	<0·1	0-5hrs 16th

FOREIGN OBSERVATIONS.

Stations	18h G.M.T. 15th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 16th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1026·3	SW	2	0	54	1025·5	-	0	bcf+	37
Brussels	1024·9	SSW	3	b	52	1023·7	SW	3	c	43
Berlin	1023·0	NW	2	bc	55					
Zürich	1029·2	-	0	b	54	1027·5	SE	1	Z_o	36
Rome	1030·1	WNW	3	b	50	1028·9	NE	3	fg	36

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
54	37	-	-
54	41	-	-
63		-	
64	34	-	-
*	*	-	-

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	2¼ ,,
6 Moderate ,,	6¼ ,,
7 Good ,,	12¼ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

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

‖ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 17th March, 1938.
No. 27874

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1018.6	– 6	SSW	4	c	56	75	7	4	6	7	4-6	9	2500
	Croydon ...	1020.6	0	SW	5	bc	57	65	7	1	4	9	2-3	4-6	2500
	S. Farnborough	1020.1	–2	WSW	5	c	56	65	7	5	4	-	7-8	7-8	2500
	Boscombe Down	1019.3	–2	SW	4	c	54	75	8	5	-	-	9+	9+	1500
	Calshot (Sthmtn.)	1021.5	+2	SW	5	c	56	75	7	5	6	-	7-8	9	2500
	Lympne ...	1021.4	- 6	SSW	5	c	52	75	7	5	4	1	7-8	7-8	1500
	Manston ...	1020.6	– 2	SW	4	bc	55	65	7	5	4	-	4-6	4-6	2500
2	Shoeburyness ...	1019.7	–4	SSW	4	bc	56	65	8	5	-	-	4-6	4-6	2500
	Felixstowe ...	1018.7	– 6	SW'S	4	bc	55	65	7	1	-	5	1	2-3	2500
	Gorleston ...	1017.1	– 4	SW'S	5	bc	58	65	6	-	-	1	0	2-3	–
	Mildenhall ...	1017.1	– 6	SW'W	6	bc	58	65	8	1	-	2	2-3	4-6	2500
	Cranwell ...	1014.2	0	SW'S	6	c	57	75	8	8	-	-	9	9+	2500
3	Birmingham ...	1015.8	+2	SW	4	c/d	53	75	7	5	-	-	10	10	1500
	Upper Heyford	1018.2	–2	SW	5	c	57	65	8	7	4	1	9	9+	1500
4	Ross-on-Wye	1017.3	0	SW	4	d.d.	51	92	6	6	-	-	10	10	1500
5	Bristol ...	1013.0	+4	SW	4	c	55	75	8	5	-	-	10	10	2500
	Portland Bill ...	1020.8	+8	SW	4	c	43	92	7	4	-	-	10	10	2500
	Plymouth ...	1020.4	–2	SW'S	4	z.	51	85	6	5	2	-	9+	10	1500
	The Lizard ...	1019.5	0	SSW	5	c	51	85	7	5	2	-	9	10	1500
	Scilly (St.Mary's)	1016.8	+2	SW'S	5	c/d	52	97	6	5	1	-	4-6	10	1500
	Guernsey ...	1023.6	+2	SSW	5	c	55	75	7	5	-	-	9	9	2500
6	Pembroke ...	1016.1	+4	SW	6	q	50	92	6	5	2	-	7-8	9+	2500
7	Holyhead ...	1011.9	+10	SW	5	o	50	92	6	5	-	-	10	10	450
	Chester(Sealand)	1012.9	+4	SW	5	c	59	65	8	5	7	-	7-8	7-8	1500
8	Manchester ...	1012.7	+ 6	SW'S	5	c	56	75	7	5	-	-	10	10	1500
10	Spurn Head ...	1012.7	–4	SW	6	c	57	65	6	5	-	-	9+	9+	1500
	Catterick ...	1007.8	–16	SW'W	6	bc/pr	56	75	7	5	3	5	2-3	4-6	1500
	Tynemouth ...	1004.8	–16	SW	6	bc/pr	57	75	6	2	-	-	4-6	4-6	1500
11	St Abbs Head ...	1001.3	+12	SW	8	q	53	85	8	8	6	1	4-6	7-8	1500
	Leuchars ...	999.9	+2	W	6	bc	56	65	9	2	-	-	4-6	4-6	2500
12	Renfrew (Abbotsl.)	1005.7	+46	W'N	5	c/pr	51	75	8	8	-	-	7-8	7-8	1500
	Eskdalemuir ...	1006.4	+12	W'N	6	c/pr	49	85	7	8	-	-	9+	9+	800
	Point of Ayre...	1009.8	+40	W'N	5	c	56	75	8	2	6	-	2-3	7-8	1500
13a	Tiree	1005.7	+60	W	6	bc/pr	50	75	8	3	6	-	1	2-3	1500
13b	Stornoway ...	999.4	+48	WNW	7	c/pr	47	75	8	5	7	-	7-8	10	2500
15	Dalwhinnie ...	1001.6	+30	SW	5	ir	44	85	7	8	2	1	4-6	9+	2500
	Aberdeen ...	995.7	–14	WSW	6	bc	60	85	8	2	3	-	4-6	4-6	2500
	Wick ...	993.3	– 4	WNW	6	c/pr	50	85	7	8	7	-	7-8	9	1500
16	Lerwick ...	989.3	–10	SW	7	ir	48	92	6	6	2	-	9	10	800
17	Blacksod Point	1011.1	+32	WNW	5	bc	51	65	8	2	-	-	4-6	4-6	4000
18	Malin Head ...	1008.1	+44	WN	5	c	49	85	8	2	7	8	2-3	7-8	4000
	Aldergrove ...	1009.6	+50	W'S	4	bc	53	65	9	2	-	-	4-6	4-6	2500
19	Birr Castle ...	1013.6	+24	SW	2	c/pr	52	65	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy. †	1016.0	+30	WNW	3	bc	52	65	9	2	-	4	2-3	2-3	2500
	Roches Point	1014.4	*	NNW	3	c	53	92	8	6	-	-	9+	9+	1500

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1020.2	+12	SW'S	4	z.	53	75	6	5	-	-	10	10	2500	0	*
	Croydon ...	1020.8	+10	SSW	4	z.	52	92	6	5	-	-	9+	10	800	0	*
	S. Farnborough	1020.9	+12	WSW	4	c	51	85	6	5	-	-	10	10	1500	0	*
	Boscombe Down	1020.3	+10	SW'S	4	c	50	92	7	5	-	-	10	10	1500	0	*
	Calshot (Sthmtn.)	1021.8	+ 6	SW	4	d.d.	50	92	6	5	2	-	9+	10	1500	1	3
	Lympne ...	1022.1	+8	WSW	4	c	50	85	7	5	-	-	10	10	1500	0	§3
	Manston ...	1020.9	+10	SW	4	bc	51	85	7	5	7	1	4-6	4-6	1500	0	*
2	Shoeburyness ...	1019.9	+8	SW	4	c	52	75	6	5	-	-	9+	9+	1500	1	*
	Felixstowe ...	1018.1	– 2	SW'S	4	c	53	75	7	5	-	8	7-8	7-8	4000	0	2
	Gorleston ...	1016.3	+10	SW'W	4	c	59	65	86	5	4	-	4-6	7-8	2500	0	3
	Mildenhall ...	1016.7	+4	SW	6	c	56	75	8	5	7	6	2-3	7-8	2500	0	*
	Cranwell ...	1015.3	+10	SW'W	5	c	54	85	7	5	4	-	7-8	9	2500	0	*
3	Birmingham ...	1016.4	+2	SW	3	c	53	85	8	5	-	-	9+	9+	1500	0	*
	Upper Heyford	1018.6	+6	SW	4	c/r	51	92	6	5	-	-	9+	9+	800	0	*
4	Ross-on-Wye	1017.8	+4	SW	4	c/d	52	92	7	5	-	-	9+	9+	1500	1	*
5	Bristol ...	1013.8	+10	SW	3	dr	51	92	7	6	-	-	10	10	1500	1	*
	Portland Bill ...	1021.0	+6	SW	4	o/pr	48	92	7	5	-	-	10	10	1500	1	4
	Plymouth ...	1020.4	+2	SW'S	4	d.d.	49	97	6	-	2	-	10	10	220	0	3
	The Lizard ...	1020.3	+8	SW	5	id.	50	97	4	5	-	-	10	10	800	1	3
	Scilly (St.Mary's)	1019.2	+ 8	W'S	5	o/f	50	97	5	5	-	-	10	10	1500	1	4
	Guernsey ...	1023.2	+2	SW	4	c	53	85	7	5	-	-	9+	9+	2500	0	2
6	Pembroke ...	1017.8	+8	SW	4	f+	48	97	1	5	-	-	10	10	(150	1	3
7	Holyhead ...	1015.5	+14	SW	3	b	46	85	7	5	8	-	Tr	1	4000	1	2
	Chester(Sealand)	1016.0	+14	W	2	z.	53	75	6	5	-	-	2-3	2-3	4000	0	*
8	Manchester ...	1015.7	+22	WSW	3	z.	51	85	6	1	3	-	1	2-3	1500	1	*
10	Spurn Head ...	1014.1	+16	W	5	c	52	85	6	5	-	-	10	10	1500	1	3
	Catterick ...	1013.4	+34	SW'W	2	b	50	65	8	1	-	-	1	1	2500	0	*
	Tynemouth ...	1011.8	+24	W	3	bc	52	65	7	9	-	-	4-6	4-6	1500	0	1
11	St Abbs Head ...	1003.2	+22	W	6	q	49	65	9	4	4	1	2-3	4-6	2500	0	4
	Leuchars ...	1007.8	+34	W	6	bc	48	65	9	2	-	1*	2-3	4-6	2500	0	*
12	Renfrew (Abbotsl.)	1010.7	+22	W	5	bc	47	75	8	4	6	2	4-6	4-6	2500	1	*
	Eskdalemuir ...	1010.0	+14	W	7	b	45	75	8	8	-	1	1	1	2500	1	*
	Point of Ayre...	1014.0	+18	W	3	bc	50	75	8	-	4	-	0	2-3	-	0	2
13a	Tiree	1003.8	+18	WSW	4	bc	47	65	7	2	6	5	Tr	2-3	2500	0	3
13b	Stornoway ...	1005.2	+34	WSW	5	c/pr	45	85	8	5	5	3	2-3	7-8	2500	1	3
15	Dalwhinnie ...	1008.7	+36	WSW	5	bc	41	75	8	4	6	1	2-3	4-6	4000	0	*
	Aberdeen ...	1006.3	+50	WNW	5	b	49	55	8	1	-	1	Tr	Tr	2500	0	2
	Wick ...	1002.2	+26	WNW	7	bc	45	75	8	8	6	-	4-6	4-6	1500	1	3
16	Lerwick ...	995.0	+32	NW	6	c/r	44	85	8	6	7	-	7-8	9	1500	1	*
17	Blacksod Point	1013.7	+ 6	SW	3	c	48	75	8	5	-	-	7-8	7-8	2500	1	3
18	Malin Head ...	1011.6	+40	W'N	4	c	47	85	8	8	-	-	9	9	2500	0	3
	Aldergrove ...	1014.1	+22	W'S	3	c	48	65	8	5	-	2	2-3	7-8	4000	1	*
19	Birr Castle ...	1015.3	+12	SW	1	bc	51	65	8	5	-	-	4-6	4-6	2500	1	*
20	Valentia Obsy. †	1017.3	+10	SW'S	3	c	50	75	9	5	-	1	9	9+	2500	1	3
	Roches Point	1017.0	*	W	2	bc	54	85	8	5	4	5	2-3	4-6	2500	1	4

PAST 24 HOURS.

Weather 7h.—18h. 16th (37)	Weather 18h.—18h. 16th (38)	Weather 18h. 16th to 1h. 17th (39)	Weather 1h.—7h. 17th (40)
bbcc	ccz.	cm.	cmd
bccbc	bccm.	cm.c	ccld.
bvbcc	ccm.	cid.mc	cid.mc
cbc	c	cid.	cid
bcc	ccid.d.d.	cd.r.m.	odd.m.
cm.bcc	cbcc	od.m.	offid.
bwbc	bc	c	cmd.d.
bcbc	bccm.	cm.	cm.
bcbbc	pbc	c	cm.id.m.
bcq	bcqq	cq	c
bc	bcvbcc	cr.v.m.	c
cbcc	c	cir.cm.	cm.
cbccd.	id.c	c	c
cm.c	cr.c	cm.id.	cm.
cod.	d.ocd.	c	c
bccbc	cd.r.	cd.r.	cid.
c	cpr.	ad.	od.
cm.	od.d.ddm	odd.m.m	oddmbc
c	cidm.	idffe	fdc
cid.	cid.mf	offec	cp.bcc
c	c	coir.	cid.c
cpcqm.	cqmjbfo	Fefeidc	ofecbcb
dd.m.o	od.m.b	bcfef	fd.o
cr.bc	cr.z.bc	bbcwm	bcwm
cpr.m.	cmrcm.	cmbcm	bcmoffe
cpcq	cpr.c	c	cmw
ir.cpr.	pr.cbc	bbc	bccw
cbcpq	bccpqbc	bcc	c
cpcq	bcqy	pbcc	c
cqpr.bcq	bcqy	bcqbbc	bcrbc
cirpr.	bcp.	pr.bc	bc
frcq	pr.bcb	bbcc	c
c	cbc	bcwbc	cw
cbcpr	bbcpr	bcc	cir
cmpr.	bccPR	cpr.	cmrcm
cRr	cRbc	*	bcirc
bc	bcypr.b	bybcc	c
bccpr	cpr.bc	bcprc	c
cprir	c R++	cprbc	cpr
bc	cb	bc	cq
cpr.bcc	cpr.bcc	c	c
cirbcbc	bbc	bcbc	cbcc
cbc	cbc	bcc	bcc
cdpre	cpr.bc	bccw	cw

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. ,, 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.

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.*

† Sea disturbance reported from Dungeness.

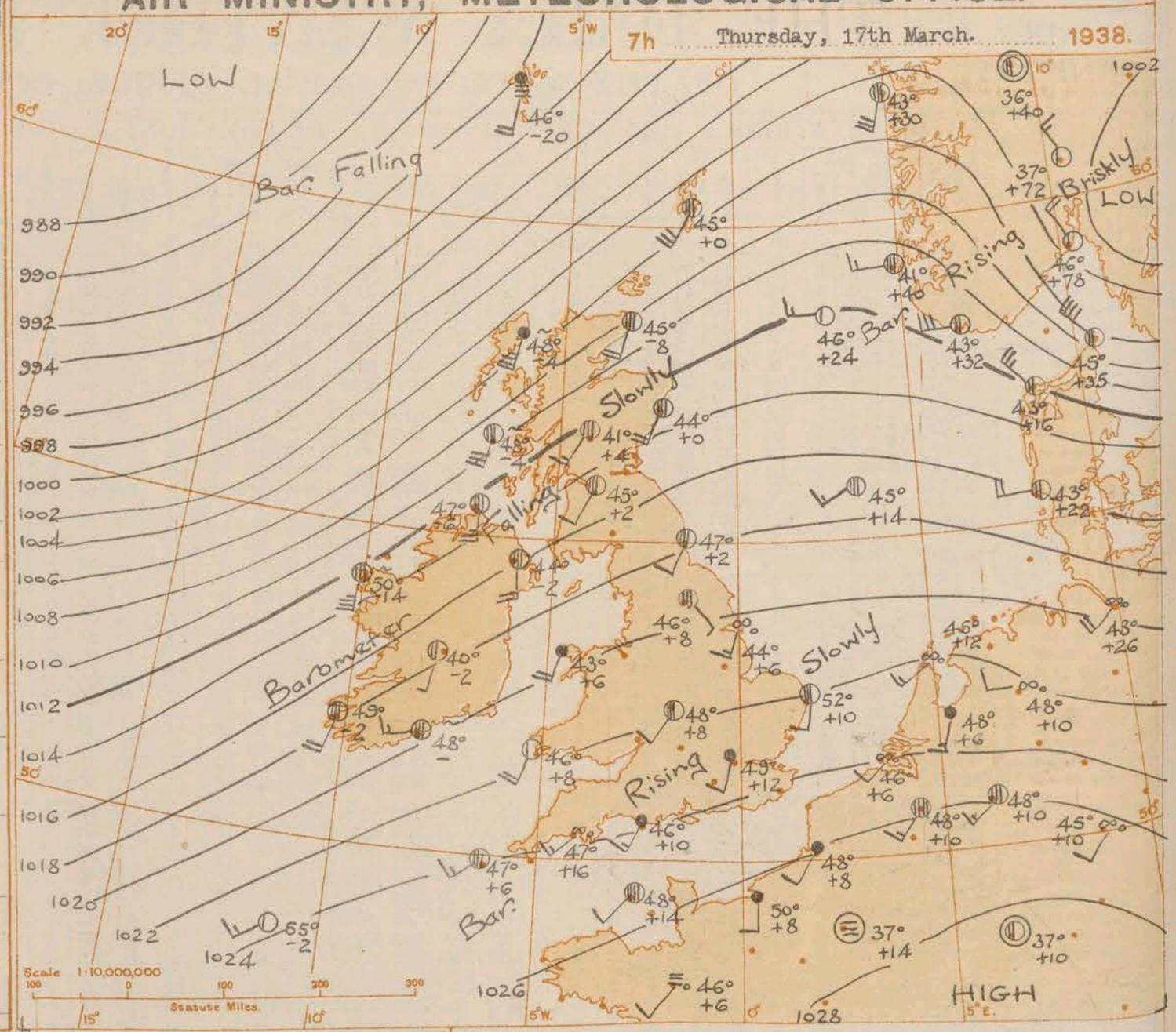
REPORTS from HEALTH RESORTS for 16th March. 1938.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 15th to 9h. 16th	Temperature (°F.) Max. 9h.—17h. 16th	Rainfall (mm.) Night. 17h. 15th to 9h. 16th	Rainfall (mm.) Day. 9h.—17h. 16th	Sunshine (Hrs.) Sunrise to 17h. 16th	Sunshine (Hrs.) Sunrise to Sunset. 15th
1	Tunbridge W.	bcc	co	43	54	–	–	3.3	6.8
	Bournemouth	bcc	co	46	56	–	–	1.2	0.2
	Ventnor ...	cbc	bco	44	50	–	–	0.7	0.0
	Southsea ...	cbcc	co	45	55	–	–	1.4	2.0
	Bognor Regis	bccbc	bcc	46	50	–	–	1.4	0.8
	Littlehampton	cbc	bcc	43	51	–	–	2.0	0.2
	Worthing ...	cbc	bcc	44	51	–	–	1.6	0.1
	Brighton ...	cbc	cbc	43	50	–	–	0.9	0.0
	Eastbourne† ...	cbc	bco	46	53	–	–	5.0	2.6
	Hastings† ...	bc	bcc	43	52	–	–	2.2	3.0
	Folkestone ...	bbcc	cbcc	42	52	–	–	7.3	3.8
	Dover ...	bcbbc	bcc	43	52	–	–	3.7	2.9
	Deal	cbbc	bcc	43	58	–	–	8.8	7.1
	Ramsgate ...	bc	bc	45	57	–	–	9.7	7.8
	Margate ...	bc	bc	44	58	–	–	9.8	8.2
2	Southend ...	bbcc	cbbcc	43	56	Trace	–	6.4	7.6
	Clacton-on-Sea	bcc	cbc	43	56	–	–	8.7	8.2
	Dovercourt ...	bc	bc	42	60	–	–	8.7	7.2
	Lowestoft ...	b	b	42	61	–	–	10.0	7.0
	Skegness ...	bc	bc	42	61	–	–	4.7	4.4
	Mablethorpe...	bc	bcc	43	61	–	–	5.3	4.8
	Cleethorpes ...	bc	bcc	46	62	–	–	8.5	5.9
3	Leamington S.	c	cod	44	58	–	Trace	1.9	4.7
4	Cheltenham†	cbcc	cod.	46	57	–	Trace	1.9	4.8
5	Bath	cbcb	bcp.	47	60	–	Trace	1.8	3.1
	Weymouth ...	c	c	45	52	–	–	0.6	0.0
	Jersey ...	c	cbc	45	59	–	–	3.7	4.2
	Torquay ...	c	ood.p	48	55	–	Trace	0.6	1.6
	Falmouth	bccod	omddo	47	53	–	Trace	0.7	3.4
	Penzance ...	c	d.d.	49	53	–	0.3	0.0	4.5
	St. Ives ...	o	r	45	56	–	1	0.0	4.4
	Bude... ...	c	omd	48	54	–	0.3	0.0	6.0
	Ilfracombe ...	cbcc	corr	49	54	–	0.4	0.4	5.4
6	Aberystwyth	prcd.	ddo	47	51	3	2	0.0	0.6
7	Llandudno ...	bc	cd.c	51	57	0.2	Trace	3.4	4.5
	Colwyn Bay...	cbc	bcob	49	57	0.3	–	1.2	3.1
	Rhyl	cbc	cd.bc	50	59	Trace	0.2	3.5	0.3
8	Wallasey ...	cbcc	crbcb	50	57	Trace	4	1.0	0.0
	Southport ...	p.bcc	cb.bcb	50	57	0.5	Trace	2.4	0.1
	Blackpool ...	oop	o.cbz	49	52	1	0.3	1.2	0.4
	Morecambe ...	c	cbbc	48	51	2	–	1.7	0.1
9	Ilkley... ...	d.oc	orbc	48	57	Trace	2	0.1	5.2
	Harrogate ...	bcc	cb.cb	48	55	Trace	0.4	0.6	6.5
10	Berwick-on-T.	oc	bc	49	56	–	–	4.9	0.2
11	Dunbar ...	bc	bc.m	49	59	–	Trace	8.7	6.2
12	Troon... ...	corcb	bcbbc	44	52	6	1	4.8	0.0
	Douglas ...	bcirm	bcir.	45	54	4	1	4.1	0.0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Thursday, 17th March. 1938.



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. 17th March, 1938.
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 southwest, moderate; occasional rain or drizzle but some bright periods; mild.
13 A. W. Scotld. ▼ / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland ▼ 18 N. E. Ireland ▼ 19 S. E. Ireland 20 S. W. Ireland	Wind southwest, fresh or strong, gale locally on exposed coasts; occasional rain; mild.

GENERAL INFERENCE.

A stream of air from the west containing many disturbances is flowing over the British Isles. The wind will reach gale force in places and there will be showers or occasional rain but some bright periods.

FURTHER OUTLOOK.

Remaining mild but unsettled.

Times of issue of Gale Warnings.

▼ South Cone hoisted at 0310 on 17/3/38 in districts 13, 17 and 18.

Forecasts issued at 10.30 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2. 0332/3436 m 8020. D.45/3 6p.548. 12240. 3/38.

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.

Morning of

THURSDAY, 17TH MARCH.

1938.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

ISOBARS OR WATER. 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. (z)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

D.Sc., F.R.S., Director.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 17th March, 1938.
No. 27874.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humid. %	Visibility. 0–9	Cloud. Form. Low	Cloud. Form. Med.	Cloud. Form. High	Cloud. Amount. Low 0–10	Cloud. Amount. Total 0–10	Cloud. Height of Base. (feet)
			(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1022·4	+4	SSW	3	c	51	97	8	5	-	-	10	10	800
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1024·0	+4	SW'W	4	z	48	92	6	5	-	-	10	10	220
	Manston ...	142	1022·5	0	SW	3	c	49	92	7	5	-	-	9+	9+	800
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1019·9	+10	SW5	2	c	54	75	7	5	-	-	9+	9+	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Hoyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1022·1	+4	WSW	3	d d	46	92	6	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1022·3	+8	SW	3	cf	47	97	2	5	-	-	10	10	450
	Scilly (St. Mary's)	163	1022·3	+14	W'N	4	c	47	97	7	5	-	-	10	10	1500
	Guernsey ..	175	1024·3	+4	SW	3	i	51	97	6	5	-	-	10	10	2500
6	Pembroke ...	142	1020·6	+12	WSW	3	F	46	97	1	-	-	-	10	10	<150
7	Holyhead ...	28	1018·7	+10	SW5	3	f+	45	97	2	-	-	-	10	10	<150
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1018·7	+6	SW'W	3	bc	47	92	6	-	3	-	0	4-6	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1016·5	+2	SW	2	c	44	85	7	5	3	-	4-6	7-8	1500
11	St Abbs Head ..	280	1015·2	+16	WSW	3	c	42	76	8	-	1	2	0	7-8	-
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsf.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1017·5	+14	SW'W	2	bc	41	92	8	-	-	6	0	4-6	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1007·8	0	SW	5	c/pr	46	85	7	5	1	-	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1009·3	+18	W	4	c	43	85	8	5	7	8	4-6	7-8	1500
16	Lerwick ...	156	1004·3	+36	W	5	bc	45	85	8	8	-	-	2-3	2-3	1500
17	Blacksod Point	18	1013·7	-2	S	6	c	49	85	7	9	-	-	9	9	800
18	Malin Head ...	84	1012·9	-4	SW	4	c	45	86	7	4	8	-	4-6	9	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1018·4	-2	S	3	c	49	97	8	5	-	-	9	9	1500
	Roches Point	22	*			*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humid. %	Visibility 0–9	Cloud. Form. Low	Cloud. Form. Med.	Cloud. Form. High	Cloud. Amount. Low 0–10	Cloud. Amount. Total 0–10	Cloud. Height of Base (feet)	State of Ground. 0–9	Sea. 0–9
		(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1	London (Kew)	1023·2	+10	SW	3	d d	50	92	6	5	-	-	10	10	2500	1	*
	Croydon ...	1023·6	+12	SSW	2	i d	49	92	7	5	-	-	10	10	1500	1	*
	S. Farnborough	1023·1	+10	SW5	2	i d	48	97	6	5	-	-	10	10	800	1	*
	Boscombe Down	1023·5	+14	S'W	2	d d	47	97	6	6	2	-	9+	10	800	1	*
	Calshot (Sthmtn.)	1023·7	+12	SW	3	d d	47	97	4	5	-	-	10	10	220	1	2
	Lympne ...	1024·6	+10	SW5	3	d F	47	97	1	-	-	-	10	10	<150	1	2
	Manston ...	1023·8	+10	SW	3	d d	49	97	3	5	-	-	9+	9+	2500	0	*
2	Shoeburyness ...	1023·3	+8	SSW	2	c	49	92	6	5	-	-	9+	9+	4000	1	*
	Felixstowe ...	1022·5	+12	SW5	2	i d	48	97	6	5	2	-	7-8	10	1500	0	1
	Gorleston ...	1021·8	+10	SSW	2	c	52	85	6	5	-	-	10	10	2500	0	2
	Mildenhall ...	1021·7	+10	SW	2	c	51	97	7	5	-	-	10	10	2500	1	*
	Cranwell ...	1020·5	+10	SSW	2	z	50	92	6	5	-	-	9+	9+	2500	1	*
3	Birmingham ...	1021·5	+8	SW	2	c	48	92	8	5	-	-	10	10	1500	0	*
	Upper Hoyford	1022·3	+10	SSW	3	c	48	97	6	5	-	-	9+	9+	800	1	*
4	Ross-on-Wye	1021·6	+6	SW	3	c	49	85	7	5	-	-	10	10	1500	0	*
5	Bristol ...	1022·8	+8	SW	2	c/d	49	92	8	5	7	-	7-8	7-8	1500	1	*
	Portland Bill ...	1023·5	+10	SW	3	d d	46	92	7	5	-	-	10	10	1500	1	3
	Plymouth ...	1023·8	+16	WSW	3	z	47	92	6	5	5	-	7-8	7-8	1500	1	2
	The Lizard ...	1024·3	+10	SW	3	c	46	97	8	8	7	-	7-8	7-8	1500	1	3
	Scilly (St. Mary's)	1023·8	+6	WSW	3	c	47	97	8	8	6	3	4-6	7-8	1500	1	3
	Guernsey ..	1025·6	+14	WSW	2	o	48	97	6	5	-	-	10	10	2500	1	2
6	Pembroke ...	1021·7	+8	SW	4	b	46	97	7	5	-	-	1	1	4000	1	2
7	Holyhead ...	1019·3	+6	SW5	4	i d	48	97	5	5	-	-	10	10	220	1	2
	Chester(Sealand)	1020·2	+8	SSW	1		44	92	5	5	-	8	2-3	4-6	1500	0	*
8	Manchester ...	1020·1	+10	NNE	1		39	97	0	-	-	-	10	10	<150	1	*
10	Spurn Head ...	1020·1	+6	SW'S	3	z	44	97	5	5	-	6	4-6	7-8	2500	1	1
	Catterick ...	1018·6	+8	SE	1	c	46	75	7	4	7	2	Tr	9	1500	0	*
	Tynemouth ...	1016·7	+2	SW	2	c	47	75	6	5	-	-	9	9	1500	10	1
11	St Abbs Head ..	1013·9	-16	WSW	5	c	44	95	8	5	3	2	4-6	7-8	2500	0	3
	Leuchars ...	1014·6	+2	-	0	bc	41	95	7	-	7	1	0	4-6	-	1	*
12	Renfrew (Abbotsf.)	1014·7	+2	SW5	2	c	45	85	7	8	3	-	4-6	7-8	2500	1	*
	Eskdalemuir ...	1017·6	+6	S'E	3	c	41	92	7	5	-	-	10	10	220	1	*
	Point of Ayre...	1017·9	+4	SSW	2	c	44	85	8	4	7	3	2-3	9+	2500	1	1
13A	Tiree	1008·7	-4	SSW	6	c/r	48	85	7	5	2	-	4-6	10	1500	1	4
13B	Stornoway ...	1005·7	-4	SSW	7	r r	48	92	7	5	2	-	7-8	10	1500	1	4
15	Dalwhinnie ...	1012·2	+4	SW	3	c	41	92	7	5	6	-	7-8	10	1500	1	*
	Aberdeen ...	1012·8	0	SW5	4	c	44	75	7	5	7	-	Tr	9+	2500	0	1
	Wick ...	1005·6	-8	SSW	4	c	45	85	8	5	2	-	7-8	10	1500	1	2
16	Lerwick ...	1005·8	0	SW	6	c	45	92	7	8	7	-	7-8	9	800	1	*
17	Blacksod Point	1012·2	-14	S	7	c	50	86	7	5	-	-	10	10	450	0	4
18	Malin Head ...	1011·6	-6	S	5	c	47	85	8	5	3	-	4-6	9	2500	0	3
	Aldergrove ...	1015·8	-2	S'E	4	c	44	85	8	5	7	-	9	9+	2500	1	*
19	Birr Castle ...	1017·3	-2	S'W	1	bc	40	97	8	-	4	-	0	2-3	-	1	*
20	Valentia Obsy. †	1018·0	-2	SSW	4	c	49	85	8	4	4	8	2-3	7-8	1500	1	3
	Roches Point	1019·9	*	W5	3	c	48	97	8	5	-	-	7-8	7-8	1500	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F.	Temperature. Min. Night 18h–7h °F.	Temperature. Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Rainfall. Night 18h–7h mm.	Sunshine 16th Hrs.
		(31)	(32)	(33)	(34)	(35)	(36)
1	London (Kew)	58	49	48	-	Tr	3·6
	Croydon ...	58	49	47	-	Tr	3·9
	S. Farnborough	58	48	46	-	0·1	3·0
	Boscombe Down	55	47	47	-	0·1	1·2
	Calshot (Sthmtn.)	56	47	46	Tr	1	1·8
	Lympne ...	55	46	46	-	0·4	5·0
	Manston ...	57	48	47	-	Tr	3·2
2	Shoeburyness ...	58	48	45	-	-	7·0
	Felixstowe ...	57	47	44	-	Tr	3·0
	Gorleston ...	61	51	49	-	-	3·7
	Mildenhall ...	63	50	43	-	Tr	6·8
	Cranwell ...	59	48	44	-	Tr	4·6
3	Birmingham ...	55	47	46	Tr	-	1·4
	Upper Hoyford	59	48	46	Tr	0·1	*
4	Ross-on-Wye	53	48	48	0·1	-	0·0
5	Bristol ...	58	48	46	0·1	0·1	2·4
	Portland Bill ...	56	45	*	Tr	0·1	*
	Plymouth ...	51	47	43	0·2	1	0·0
	The Lizard ...	51	45	*	0·1	0·6	0·2
	Scilly (St. Mary's)	52	45	*	0·1	0·3	0·0
	Guernsey ..	58	48	48	-	0·4	3·9
6	Pembroke ...	50	43	*	0·3	0·3	0·0
7	Holyhead ...	54	42	41	0·3	0·3	2·6
	Chester(Sealand)	53	41	37	0·4	-	3·0
8	Manchester ...	58	33	30	0·6	0·1	0·2
10	Spurn Head ...	48	43	*	Tr	Tr	5·7
	Catterick ...	56	43	34	Tr	Tr	4·6
	Tynemouth ...	59	44	38	Tr	-	5·0
11	St Abbs Head ..	56	40	*	Tr	-	*
	Leuchars ...	57	40	30	Tr	-	7·8
12	Renfrew (Abbotsf.)	54	40	33	2	Tr	3·4
	Eskdalemuir ...	43	29	29	9	-	4·2
	Point of Ayre...	59	37	*	-	-	8·9
13A	Tiree	50	45	43	3	1	6·3
13B	Stornoway ...	49	44	*	5	3	3·7
15	Dalwhinnie ...	50	38	35	8	0·2	2·9
	Aberdeen ...	60	43	37	0·1	-	7·0
	Wick ...	53	40	*	2	Tr	*
16	Lerwick ...	50	43	*	5	1	0·0
17	Blacksod Point	53	45	*	-	-	*
18	Malin Head ...	52	43	*	2	-	5·7
	Aldergrove ...	54	40	35	0·5	-	5·2
19	Birr Castle ...	56	38	*	Tr	-	7·0
20	Valentia Obsy. †	53	46	41	1	-	6·0
	Roches Point	55	43	*	1	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	bbcc	ocz	cm d	58	49	48	-	Tr	3·6	*	*	6
Croydon	217	bcbc	bc m	cm ei d	58	49	47	-	Tr	3·9	*	*	6
Greenwich (Royal Observatory)...	149	c	cbc	cd c	59	49	47	-	Tr	4·6	59	84	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	3·8	*	*	*
Westminster (St James' Park) ...	27	*	*	*	60	50	48	Tr		3·7	65	88	*
Regents Pk. (Botanic Gardens)‡...	166	*	*	*	60	49	48	-	Tr	3·0	64	57	*
Camden Square	110	c	c	*	60	49	47	-	Tr	*	*	86	*
Kensington	80	c	c	*	60	50	48	-	-	3·3	At 18h. 80	88	*
Hampstead Observatory	450	o	bc	bc	58	47	45	-	0·4	¥31	*	97	*

FOREIGN OBSERVATIONS.

Stations.	18h G.M.T. 16th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 17th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1024·3	WSW	1	bc	57	1027·9	-	0	cf	37
Brussels	1022·9	W	5	b	50	1025·5	SW	3	o	48
Berlin	1019·0	SW'W	2	z	50	1019·9	W	4	bc	48
Zurich	1027·2	W	1	b	55	1029·4	SE	1	bc	41
Rome	1023·5	ESE	1	b	56	1025·7	E	2	z	41

Past 24 Hours.

Stations.	Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	63	34	-	-
Brussels	54	46	-	-
Berlin	55	46	-	-
Zurich	66	39	-	-
Rome	*	*	-	-

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 17th

South Kensington. Max.	Time.	Min.	Time.
<0·3	whole period		

Kew Observatory. Max.	Time.	Min.	Time.
0·1	17h. 16th.	<0·1	0·6h. 17th.

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 15.
The barometric tendency is expressed in tenths of a millibar.

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

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

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

COLUMNS 8, 22 —Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S. Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ¥ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 18th March, 1938.

No. 27875.

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 17th March: Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind: Direc. (3)	Wind: Force 0–12 (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud: Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)	OBSERVATIONS at 18h. G.M.T. 17th March: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind: Direc. (17)	Wind: Force 0–12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud: Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)	PAST 24 HOURS. Weather. 7h.—13h. 17th (37)	13h.—18h. 17th (38)	18h. 17th to 1h. 18th (39)	1h.—7h. 18th (40)
1	London (Kew)	1024.6	+2	SW	3	z₀	53	75	6	5	–	–	10	10	1500	1024.3	+6	WSW	3	z₀	52	65	6	5	–	–	10	10	1500	0	*	cmd,cz₀	cz₀	cm,cm	bcm₀
	Croydon ...	1025.0	+2	SSW	3	c	55	92	7	5	–	–	10	10	1500	1024.8	0	SW'S	3	z₀	52	75	6	5	–	–	9+	9+	2500	0	*	cd,c	cm,c	cz,bcw	cb
	S. Farnborough	1024.8	+2	SW	3	d,d₀	50	92	7	5	–	–	10	10	1500	1025.3	+8	WSW	3	c	50	65	8	5	–	–	9+	9+	4000	0	*	cdd,	cd,c	c	cid,bcb
	Boscombe Down	1025.0	+2	SW	2	c	50	75	7	5	–	–	9+	9+	1500	1025.2	+4	SW'S	3	c	49	75	8	7	2	–	9	9+	2500	0	*	cid,m,c	c	c	cid,cdd
	Calshot (Sthmtn.)	1025.8	+6	SW'S	4	bc	54	75	8	7	–	–	4-6	4-6	1500	1025.8	+2	SSW	3	bc	49	85	8	5	–	–	4-6	4-6	4000	1	2	od,cm₀	bcbbc	bccd,d,m,	cid,m₀
	Lympne ...	1026.0	+2	SW'W	4	c	50	65	6	5	–	–	10	10	1500	1026.1	+4	SW'S	4	b	46	92	7	1	7	–	1	1	1500	0	§3	fd,c	cb	bffe	pffe
	Manston ...	1025.1	0	SW	3	c	52	85	8	5	–	–	10	10	1500	1024.9	0	SSW	3	b	49	85	7	5	–	–	1	1	1500	1	*	cd,d,c	cb	c	cid₀
2	Shoeburyness ...	1024.7	+4	SW	3	c	51	85	6	5	–	–	10	10	2500	1024.5	0	SW	4	c/pr	51	75	8	8	–	–	9	9	1500	1	*	m,d,c	cm,f,c	cm₀	bwm₀
	Felixstowe ...	1024.2	+4	S'W	4	z₀	51	85	6	5	–	–	10	10	2500	1024.3	+2	S'W	3	z₀	49	85	6	7	–	–	9	9+	2500	0	2	id,cm₀	cm₀	cm,c	c
	Gorleston ...	1023.0	+6	WSW	3	c	55	75	6	5	–	–	10	10	2500	1022.8	+2	SSW	3	c	54	75	6	5	–	–	10	10	2500	0	2	c	c	c	cbc
	Mildenhall ...	1023.3	+6	WSW	3	c/d	53	85	7	5	–	–	10	10	1500	1023.3	+8	WSW	4	c	52	65	7	5	–	–	10	10	4000	0	*	cid,c	c	c,b,c	bcbw
	Cranwell ...	1021.4	–4	SW	4	c	56	65	7	2	–	–	7-8	7-8	2500	1021.7	+6	SW	3	bc	52	65	7	5	5	–	1	2-3	4000	0	*	cm,cbc	bccbc	bcb	bwbcc
3	Birmingham ...	1022.2	0	WSW	3	c	52	65	8	8	–	–	9+	9+	2500	1022.3	+2	WSW	3	c	50	65	8	5	–	–	7-8	7-8	2500	0	*	cbcc	cbcc	cbc	bcc
	Upper Heyford	1024.1	+4	WSW	3	c	51	75	8	5	–	–	10	10	1500	1024.4	+6	W'S	3	c	49	65	8	5	–	–	9+	9+	4000	0	*	c,c	c	cbc	bcc
4	Ross-on-Wye	1023.4	0	SW	3	c	50	75	8	5	–	–	10	10	2500	1023.7	0	WSW	3	bc	49	65	8	5	–	1	4-6	4-6	2500	0	*	c	c	bccbc	c
5	Bristol ...	1024.3	+2	W'S	3	c	50	75	8	8	–	–	9+	9+	1500	1024.8	+4	W	2	c	49	75	8	5	–	1	7-8	7-8	4000	0	*	cid,pr₀	cbcc	cbcc	cbcw
	Portland Bill ...	1025.7	+2	SW	3	c	48	85	7	4	4	–	4-6	7-8	2500	1025.5	+6	SW	3	c	47	85	7	4	–	–	10	10	2500	1	3	c	c	oidf	df
	Plymouth ...	1025.7	+2	SSW	3	bc/p	53	85	8	8	3	–	2-3	4-6	1500	1025.4	0	SSW	3	c	49	87	7	5	–	–	9+	9+	4000	0	2	bcbcv	bc/pvc	cd,d,m,c	cid,m₀
	The Lizard ...	1026.0	+4	SW'S	2 3	c	53	85	8	8	6	–	7-8	9	2500	1025.5	0	S'W	3	df	50	92	2	5	–	–	10	10	460	1	2	cbcc	codf	iFF	Fife
	Scilly (St. Mary's)	1025.2	+4	WSW	3	c/d	52	85	8	6	7	–	4-6	7-8	1500	1024.8	+2	SW'W	4	c/f	50	92	7	5	–	–	9+	9+	460	0	3	cbccd,	cbccf	oid,co	bcbcc
	Guernsey ...	1026.3	+4	SW	2	c	54	85	7	8	–	–	9+	9+	2500	1027.1	+4	SSW	1	c	51	97	7	5	3	–	9	9+	2500	1	1	oc	corr₀	cod	oid,c
6	Pembroke ...	1023.4	+4	SW'W	4	c	49	92	7	5	2	–	4-6	9+	2500	1023.5	+2	SW	4	z₀	48	92	6	5	–	–	10	10	2500	1	3	bcc	cgm,c	cq	Fm,qoc
7	Holyhead ...	1020.2	+2	S'W	5	c	51	75	8	5	4	6	2-3	7-8	4000	1019.8	+2	SSW	4	c	48	85	8	5	4	6	1	9+	4000	0	3	oid,bc	bc,c	c	c
	Chester (Sealand)	1021.3	–12	SW	3	bc	57	55	8	7	7	2	2-3	4-6	2500	1021.9	+6	SW	3	c	51	65	8	4	9	–	1	7-8	2500	0	*	bcm,v	bcybc	bc	bcc
8	Manchester ...	1020.9	–2	WSW	4	bc	56	65	7	7	4	1	4-6	4-6	4000	1021.0	+2	SW'W	4	c	50	65	7	7	3	9	1	9	4000	1	*	OFF bc	bcc	cbcc	c
10	Spurn Head ...	1020.7	–4	SW'W	4	c	59	65	6	4	6	8	2-3	7-8	4000	1020.5	–2	SW	3	bc	51	75	6	–	–	8	0	4-6	–	0	1	ffezc	cbc	bcw	bcw
	Catterick ...	1019.0	–2	WSW	4	c	57	65	8	8	–	2	4-6	9	2500	1019.1	–4	SW	3	c	49	75	8	4	7	2	2-3	7-8	1500	0	*	c	cbc	cbc	bcc
	Tynemouth ...	1017.4	–4	SW	2	c	57	55	6	7	–	–	7-8	7-8	1500	1016.7	+6	SW	3	c	52	75	6	8	–	–	7-8	7-8	1500	0	1	c	c	c	c
11	St. Abbs Head	1013.7	+10	WSW	6	q	52	65	8	8	1	1	4-6	7-8	2500	1014.1	–6	WSW	8	q	49	75	8	8	7	1	4-6	7-8	2500	0	4	cq	cq	cq	bcc
	Leuchars ...	1014.7	+2	SW	4	c	52	75	7	8	–	8	7-8	7-8	2500	1014.1	–2	SSW	4	c	51	75	7	5	–	–	10	10	2500	0	*	bcc,bc	cqc	cir,cq	c
12	Renfrew (Abbotsl.)	1015.0	+2	SW	5	c	50	85	7	5	–	–	10	10	2500	1014.3	–6	WNW	1	c	51	85	7	5	–	–	10	10	2500	1	*	bcc	c	cr,r,m,c	cm,r,o,
	Eskdalemuir ...	1018.1	–2	SSW	5	d,d₀	43	97	4	5	–	–	10	10	<150	1016.4	–6	SW'S	6	o	44	92	6	5	–	–	10	10	450	1	*	bcod₀	co	om₀	or,d,ff
	Point of Ayre ...	1016.5	+2	SW'W	4	c	54	65	7	5	–	6	Tr	9+	1500	1017.7	–4	SW'W	4	c	50	85	7	5	7	3	1	9+	1500	0	2	cbcc	c	c	cid
13A	Tiree	1010.1	–2	SSW	5	d,d₀	49	92	6	5	–	–	10	10	450	1008.6	–10	SSW	6	ir	50	92	6	–	2	–	9+	10	800	1	4	odr,d,d₀	od,r,drc	cir	cir
13B	Stornoway ...	1005.7	–4	SW	7	r,r₀	50	92	7	5	2	–	4-6	10	1500	1003.2	–20	SW	8	ir	49	97	6	5	2	–	9	10	1500	1	4	cr,r₀	cir	cirpr1	cbcc
15	Dalwhinnie ...	1013.1	0	WSW	4	iR	45	92	6	5	1	–	4-6	10	1500	1010.8	–4	SW	7	ir	46	92	6	5	1	–	2-3	10	1500	1	*	cirriR	cirriR	*	cRrc
	Aberdeen ...	1012.6	0	SWW	3	c	53	65	7	6	5	1	1	7-8	4000	1012.6	+10	SW'S	4	c	50	75	6	5	4	3	4-6	9	1500	0	2	cz,bc	bccz₀	cz,d,c	c
	Wick ...	1008.4	–4	SSW	5	c	49	85	8	5	7	–	4-6	9+	1500	1006.3	–4	S	5	c	49	85	8	5	7	8	7-8	9+	1500	1	2	c	c	c	bcc
16	Lerwick ...	1005.4	–4	SSW	6	c	47	85	8	8	7	–	7-8	9	1500	1005.1	–2	SW	6	br	47	92	7	8	2	–	7-8	10	800	1	*	crr	id,id	cirpr	cpr
17	Blacksod Point	1012.2	0	S	6	iD	50	97	6	6	–	–	10	10	450	1011.5	–2	S	5	c	50	97	6	5	–	–	10	10	450	1	4	iD	iDr	idrq	irq
18	Malin Head ...	1011.5	–4	S	5	c	51	92	7	8	–	–	9	9	1500	1010.7	–6	SW	5	rr	51	92	6	6	2	–	7-8	10	1500	0	3	c	c	cir,cprc	crrc
	Aldergrove ...	1016.1	–2	S'W	4	c	51	75	8	5	–	–	10	10	1500	1014.7	–8	SSW	4	c	53	75	8	5	–	–	10	10	1500	1	*	c	c	c,d,d,c	ccr,r₀
19	Birr Castle ...	1017.5	+4	S'W	3	c	53	75	8	5	1	–	7-8	10	1500	1016.4	–6	S'W	3	c	53	75	8	5	2	–	7-8	10	1500	1	*	bcc	c	caid	oid,
20	Valentia Obsy. †	1016.4	–2	SSW	5	c	52	85	8	5	2	–	7-8	10	1500	1017.6	–4	SSW	5	r,r₀	51	92	6	6	2	–	7-8	10	800	1	3	c	cr,r₀	r,r,cid	cidc
	Roches Point	1021.2	*	SW	3	c	51	85	8	5	1	–	7-8	9	1500	1020.1	*	WSW	4	c	50	85	8	8	–	–	9	9	1500	1	3	c	c	cir,c	c

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
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).
⊕, Solar halo. ⓛ lunar halo. / gale.
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.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 . . Ground covered with thawing snow.
7 . . „ 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.

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.*

§ Sea disturbance reported from Dungeness.

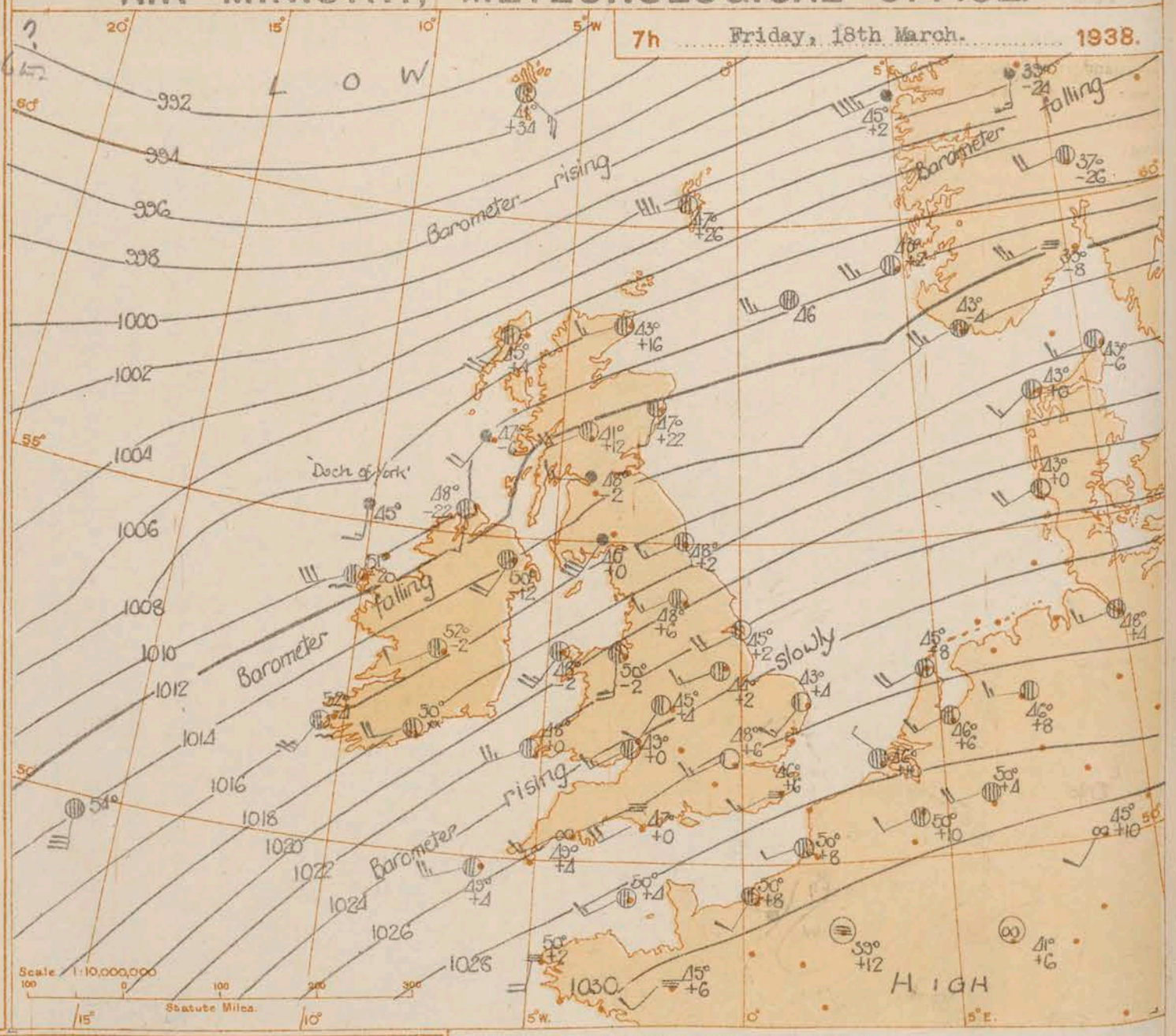
REPORTS from HEALTH RESORTS for 17th March 1938.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 16th to 9h. 17th.	Temperature (°F.) Max. 9h.—17h. 17th.	Rainfall (mm.) Night. 17h. 16th to 9h. 17th.	Rainfall (mm.) Day. 9h.—17h. 17th.	Sunshine (Hrs.) Sunrise to 17h. 17th.	Sunshine (Hrs.) Sunrise to Sunset. 17th.
1	Tunbridge W.	o	cbcc	47	56	0·3	–	1·6	3·3
	Bournemouth	ocbc	bbc	47	56	1	–	3·2	1·2
	Ventnor ...	rmb	bcm	45	51	1	–	3·7	0·7
	Southsea ...	ocb	bcb	47	56	1	–	4·3	1·4
	Bognor Regis	c	bcb	47	51	0·5	–	4·3	1·4
	Littlehampton	c	cbc	47	51	0·4	–	4·1	2·0
	Worthing ...	c	bcbbc	47	52	0·3	–	3·4	1·6
	Brighton ...	c	bbc	46	52	Trace	–	3·3	0·9
	Eastbourne† ...	wcbc	bc	48	52	2	–	5·4	5·0
	Hastings† ...	coc	bc	46	51	2	–	2·2	2·2
	Folkestone ...	omo	ocbcb	46	50	0·5	–	2·1	7·3
	Dover ...	oc	cb	46	48	–	–	1·2	3·7
	Deal	o	ocbcb	44	54	Trace	–	2·8	9·1
	Ramsgate ...	c	bc	45	53	–	–	1·3	3·7
	Margate ...	c	cbc	45	54	–	–	1·0	9·8
2	Southend ...	oc	c	48	52	–	–	0·2	6·4
	Clacton-on-Sea	oc	cbc	46	50	–	–	0·0	8·7
	Dovercourt ...	bcc	ocbcc	45	54	–	–	0·0	8·7
	Lowestoft ...	c	c	50	56	–	–	0·7	10·3
	Skegness ...	cbc	bc	47	58	Trace	–	2·1	4·7
	Mablethorpe ...	bcdc	bc	41	53	Trace	–	5·5	5·3
	Cleethorpes ...	cbc	bc	41	61	Trace	–	7·8	8·5
3	Leamington S.	oc	c	43	56	–	–	1·1	1·9
4	Cheltenham†	oc	coc	47	52	0·3	–	0·3	1·9
5	Bath	cb	bcbc	45	56	0·3	Trace	0·6	1·8
	Weymouth ...	cb	bc	47	53	0·5	–	4·0	0·6
	Jersey ...	dre	cbc	48	53	0·4	1	0·3	4·0
	Torquay ...	bc	cbcc	46	56	Trace	–	4·2	0·6
	Falmouth	copoc	b	45	56	1	0·2	3·5	0·7
	Penzance ...	bcc	cbc	42	56	1	–	5·2	0·0
	St. Ives ...	b	b	44	59	0·5	–	6·1	0·0
	Bude	ombc	bc	46	54	0·3	–	4·3	0·0
	Ilfracombe ...	ocbcc	bcco	47	54	2	–	3·1	0·4
6	Aberystwyth	bdcbc	bce	46	50	0·5	–	4·1	0·0
7	Llandudno ...	bbc	cbc	42	54	–	–	6·7	3·6
	Colwyn Bay ...	bcb	bcb	43	55	–	–	8·0	1·4
	Rhyl	bbc	bc	41	56	Trace	–	8·8	4·0
8	Wallasey ...	bc	bcc	43	56	Trace	–	7·6	1·4
	Southport ...	bcb	bbc	39	56	Trace	–	7·6	3·0
	Blackpool ...	cm.bc	bcc	37	53	–	–	5·9	1·6
	Morecambe ...	bcbc	bbcc	38	51	Trace	–	6·1	2·2
9	Ilkley	bcb	bc	40	57	–	–	5·6	0·1
	Harrogate ...	b	bbc	40	58	–	–	8·1	0·6
10	Berwick-on-T.	c	c	40	52	–	–	0·2	5·2
11	Dunbar ...	bc	bc	42	58	–	–	5·5	8·7
12	Troon	cbcc	cqc	41	50	–	–	0·6	5·1
	Douglas ...	bcofw	ofbc	41	49	–	–	1·6	4·4

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Friday, 18th March. 1938.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 18th March, 1938.
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	Wind southwest, moderate or fresh, strong locally; mainly fair apart from coastal drizzle and fog; mild.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotland, B.N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland	Wind southwest, strong, gale locally; occasional rain; mild.
19 S. E. Ireland 20 S. W. Ireland	As 1 - 10.

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 deepening depression 500 miles off the west of Ireland is moving northeastwards. Over England and Wales weather will remain mild and mainly fair but there will be strong winds and occasional rain in Scotland and Ireland.

FURTHER OUTLOOK.

Mild and mainly fair in the South; unsettled in the North.

Times of Issue of Gale Warnings.

South Cone hoisted 0310 17/3/38 in districts 13, 17 and 18.

South Cone hoisted 1900 17/3/38 in districts 12, 15, 16 and 20.

Forecasts issued at 1030 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2. 3332/3426. m 8020. 3 4513 9x 348. 32240. 3/38.

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.

Morning of

FRIDAY, 18TH MARCH.

1938.

Clarke's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ○ Clear sky. ◯ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. • Rain falling. ✳ Snow. ✳ Sleet. △ Hail ≡ Fog. ≡ Mist. ϟ Thunder. ϟ 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, 18th March, 1938.

No. 2675.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1026·6	+2	S'W	3	c	47	92	7	5	-	-	10	10	4000
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1027·8	+2·	SW	2	z.	45	97	6	5	-	-	10	10	2500
	Manston ...	142	1026·9	+2	SSW	3	c	46	92	7	5	-	-	9	9	4000
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1024·7	+2	SSW	3	c	49	75	7	5	-	-	9	9	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1025·7	0	SW	3	d.d.	46	92	6	5	-	-	10	10	1500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1026·3	0	S'W	3	cf+	49	97	3	5	-	-	10	10	800
	Scilly (St.Mary's)	163	1025·1	-6	SW'W	4	o	50	97	6	5	-	-	10	10	800
	Guernsey ..	175	1028·0	+2	SW	3	id.	50	92	6	5	-	-	10	10	2500
6	Pembroke ...	142	1023·3	0	SW	4	q	48	92	8	8	2	-	7-8	9+	2500
7	Holyhead ...	26	1019·7	0	SSW	5	c	48	85	6	5	2	-	2-3	10	4000
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1021·4	+2	SW'S	4	bc	44	85	7	-	-	8	0	4-6	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1017·5	-6	SW	4	c	49	85	7	8	-	-	7-8	7-8	1500
11	St.Abbs Head ..	280	1012·9	-16	SW	7	q	47	92	8	5	7	1	4-6	7-8	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1017·6	0	SW	4	c	49	92	7	5	1	-	4-6	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1004·4	+20	WSW	7	c	48	65	7	5	1	-	4-6	10	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1005·2	-2	S	4	c	48	92	8	5	7	-	7-8	9+	1500
16	Lerwick ...	156	1001·1	-10	SW	7	c	48	85	7	8	2	-	7-8	9+	800
17	Blacksod Point	18	1012·9	+4	S	3	c	50	97	6	5	-	-	10	10	800
18	Malin Head ...	84	1012·1	+18	SSW	3	c	50	92	7	4	5	*	2-3	7-8	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1015·8	-2	SSW	5	id	52	97	6	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0–10 (26)	Cloud. Amount. Total 0–10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1026·2	+6	SW	2	Z.	48	92	6	5	5	-	2-3	2-3	2500	0	*
	Croydon ...	1026·7	+6	SW'S	3	b	48	92	7	5	4	-	1	1	2500	0	*
	S. Farnborough	1026·9	+10	SW'S	2	bc	45	92	8	5	-	-	2-3	2-3	2500	1	*
	Boscombe Down	1026·6	+6	SSW	2	id.	44	97	7	5	-	-	9+	9+	1500	1	*
	Calshot (Sthmtn.)	1026·9	+4	SSW	2	d.d.	48	97	6	5	-	-	10	10	450	1	1
	Lympne ...	1027·9	+6	SW'S	3	F	46	97	1	-	-	-	10	10	4150	0	2
	Manston ...	1027·2	+2	SW'S	2	id.	48	97	7	5	-	-	9+	9+	1500	0	*
2	Shoeburyness...	1026·5	+2	SW'S	3	C	48	92	6	5	-	-	9+	9+	1500	1	*
	Felixstowe ...	1025·9	+2	SSW	2	C	47	92	8	7	-	-	9+	9+	2500	0	2
	Gorleston ...	1025·1	+4	SSW	3	bc	43	92	6	-	-	1	0	2-3	-	0	2
	Mildenhall ...	1024·7	+2	SSW	3	b	44	85	8	5	-	1	1	1	2500	1	*
	Cranwell ...	1022·8	+2	SW'W	3	c	44	92	7	5	5	1	4-6	9	1500	0	*
3	Birmingham ...	1024·1	+4	SSW	2	c	45	85	8	5	-	-	9+	9+	2500	0	*
	Upper Heyford	1025·3	+6	SW'W	4	c	47	85	8	5	-	5-	9	9	1500	0	*
4	Ross-on-Wye	1024·2	0	SW	3	c	49	85	7	5	-	-	9+	9+	2500	0	*
5	Bristol ...	1025·7	+2	S'W	2	bc	48	85	8	5	-	8	4-6	4-6	2500	0	*
	Portland Bill ...	1025·9	0	WSW	4	df	47	92	3	5	-	-	10	10	4150	1	3
	Plymouth ...	1025·8	+4	WSW	3	Z.	49	97	6	5	-	-	10	10	1500	0	3
	The Lizard ...	1026·0	+4	SW'S	3	c	48	92	8	8	-	-	9	9	1500	1	3
	Scilly (St.Mary's)	1024·9	+4	SW'W	5	c	49	97	8	8	6	4	4-6	9	1500	1	3
	Guernsey ..	1028·1	+4	SW'S	3	c	50	92	7	8	-	-	9+	9+	2500	1	3
6	Pembroke ...	1022·6	0	SW	5	q	48	97	6	5	2	-	7-8	10	2500	1	3
7	Holyhead ...	1018·9	-2	SSW	5	c	48	92	7	5	2	-	7-8	10	450	0	3
	Chester(Sealand)	1021·0	-2	S	4	c	50	75	7	5	-	2	9	9+	2500	0	*
8	Manchester ...	1021·3	0	S'W	4	c	47	85	7	5	3	-	4-6	7-8	4000	1	*
10	Spurn Head ...	1021·8	+2	SW'S	4	bc	45	92	6	-	-	8	0	2·3	-	1	2
	Catterick ...	1019·1	+6	SW	3	c	48	85	7	5	2	2	4-6	9	1500	0	*
	Tynemouth ...	1017·1	+2	SW	3	c	48	92	6	4	6	-	4-6	9	1500	0	1
11	St.Abbs Head ..	1015·6	+20	SSE	3	c	47	97	8	9	2	-	7-8	9+	1500	0	2
	Leuchars ...	1013·6	+12	SW	2	c	48	92	7	5	7	-	1	10	4000	0	*
12	Renfrew (Abbots L)	1013·6	-2	W	3	rc.	48	97	6	68	2	-	9+	10	800	1	*
	Eskdalemuir ...	1013·0	0	SSW	6	dd	45	97	4	-	2	-	10	10	4150	1	*
	Point of Ayre...	1016·1	+12	SW	6	c	49	92	7	8	7	-	2-3	9+	800	1	3
13A	Tiree	1010·3	-6	SSW	4	rr	47	92	7	-	2	-	10	10	1500	1	3
13B	Stornoway ...	1007·9	+4	SSW	5	c	45	75	8	5	1	-	7-8	9+	2500	1	3
15	Dalwhinnie ...	1012·9	+12	SW	4	c	41	75	7	4	1	-	4-6	10	2500	0	*
	Aberdeen ...	1012·8	+22	SSW	1	c	47	85	7	5	3	8	4-6	9	4000	0	1
	Wick ...	1008·9	+16	WSW	3	c	43	75	8	5	7	8	4-6	7-8	1500	1	2
16	Lerwick ...	1003·8	+26	WSW	7	c	47	75	7	8	-	1	4-6	7-8	800	1	*
17	Blacksod Point	1009·0	-20	SW	6	c	51	92	7	5	-	-	10	10	450	1	4
18	Malin Head ...	1010·0	-22	S	1	c/r	48	97	6	3	-	-	10	10	800	1	3
	Aldergrove ...	1013·3	-12	S'W	4	o/r	50	92	6	6	-	-	10	10	800	1	*
19	Birr Castle ...	1015·1	-2	SW	2	c	52	85	8	5	1	-	7-8	10	1500	1	*
20	Valentia Obsy. †	1015·9	-4	SSW	5	c	52	85	7	5	2	-	9	10	800	1	4
	Roches Point	1019·0	*	WSW	4	c	50	92	8	5	-	-	7-8	7-8	1500	1	3

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 17th Hrs. (36)
1	London (Kew)	54.	45	41	Tr	-	0·3
	Croydon ...	54	45	40	Tr	-	0·1
	S. Farnborough	54	44	37	Tr	Tr	0·5
	Boscombe Down	51	43	39	Tr	0·1	0·0
	Calshot (Sthmtn.)	55	46	45	0·1	0·3	4·6
	Lympne ...	51	42	40	0·1	0·1	2·4
	Manston ...	54	41	38	Tr	Tr	1·1
2	Shoeburyness...	54	43	32	Tr	-	0·2
	Felixstowe ...	52	44	40	Tr	-	0·0
	Gorleston ...	57	43	40	-	-	0·1
	Mildenhall ...	58	42	30	Tr	Tr	0·6
	Cranwell ...	58	40	34	-	-	4·5
3	Birmingham ...	54	41	37	-	-	2·6
	Upper Heyford	53	41	32	Tr	-	*
4	Ross-on-Wye	53	47	42	-	-	1·2
5	Bristol ...	54	45	40	Tr	-	1·3
	Portland Bill ...	49	45	*	Tr	0·2	*
	Plymouth ...	53	48	45	-	0·5	2·4
	The Lizard ...	54	47	*	Tr	0·3	4·3
	Scilly (St.Mary's)	54	48	*	Tr	Tr	7·1
	Guernsey ..	56	48	44	1	0·1	0·7
6	Pembroke ...	49	46	*	-	6·3	2·9
7	Holyhead ...	53	46	45	Tr	-	7·3
	Chester(Sealand)	58	48	44	-	-	8·9
8	Manchester ...	58	43	39	-	-	6·2
10	Spurn Head ...	59	42	*	-	Tr	8·4
	Catterick ...	57	46	40	-	-	6·3
	Tynemouth ...	59	48	44	-	-	1·8
11	St.Abbs Head ..	53	46	*	-	-	*
	Leuchars ...	54	45	40	-	Tr	3·8
12	Renfrew (Abbots L)	51	48	41	-	3	1·8
	Eskdalemuir ...	49	45	43	Tr	0·4	0·5
	Point of Ayre...	55	47	*	-	0·5	3·0
13A	Tiree	50	45	43	3	2	0·0
13B	Stornoway ...	50	45	*	2	1	0·0
15	Dalwhinnie ...	48	41	32	4	5	0·2
	Aberdeen ...	55	47	40	-	Tr	3·4
	Wick ...	52	42	*	Tr	-	*
16	Lerwick ...	49	45	*	2	2	0·4
17	Blacksod Point	52	46	*	6	3	*
18	Malin Head ...	53	46	*	0·3	4	0·0
	Aldergrove ...	53	48	47	-	0·3	0·0
19	Birr Castle ...	54	50	*	-	0·4	0·0
20	Valentia Obsy. †	53	51	50	0·5	1	0·0
	Roches Point	53	49	*	-	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.	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.	Humidity. 15h. G.M.T % Yesterday.	Humidity. 9h. G.M.T % To-day.	Visibility 9h.
		24 hrs. ended 9h.											
Kew	18	cm.dc.z.	cz.	cm.bcm.	54	45	41	Tr	-	0·3	•	•	6
Croydon	217	cd.c	cm.c	cz.bcwcb	54	45	40	Tr	-	0·1	•	•	7
Greenwich (Royal Observatory) ..	149	c	c	c	55	44	39	-	-	0·5	68	77	7
City (Bunhill Row)	-	•	•	•	•	•	•	•	•	0·1	•	•	•
Westminster (St James' Park) ...	27	•	•	•	60	47	41	-	-	0·3	74	75	•
Regents Pk (Botanic Gardens)‡...	168	•	•	•	54	46	41	-	-	0·1	74	79	•
Camden Square	110	c	c	•	54	46	38	Tr	-	•	At 18h.	75	•
Kensington	80	c	cbcc	•	54	46	38	-	-	0·3	60	79	•
Hampstead Observatory ...	450	bc	bc	o	52	49	37	-	-	0·4	•	85	•

FOREIGN OBSERVATIONS.

Stations	18h G.M.T. ...17th. March... Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h G.M.T. ...18th March... Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1028·6	-	o	b	55	1031·0	-	o	bcf+	39
Brussels ...						1029·5	SW	2	c	50
Berlin ...	1023·4	WNW	3	bc	55	1027·6	SW	2	Z.	46
Zurich ...	1028·6	WNW	1	bc	57	1031·8	SW	1	m	37
Rome ...	1025·8	SW	2	bc	55	1027·3	ENE	3	m	45

Stations	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	57	37	-	-
Brussels ...		48		0·3
Berlin ...	61	45	-	-
Zurich ...	68	36	-	-
Rome ...	*	*	-	-

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T... 18th

South Kensington. Max.	Time.	Min.	Time.
0·3	18-20h 17th	<0·3	2-4h. 18th

Kew Observatory. Max.	Time.	Min.	Time.
0·2	20h 17th	<0·1	0-7h 18th

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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METEOROLOGICAL OFFICE AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2 GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S. Director.

† hr observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h § Sea disturbance reported from Dungeness

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 19th March, 1938.

No. 27876.

Dist.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 18th March. Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°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)	OBSERVATIONS at 18h. G.M.T. 18th March. Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°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)	PAST 24 HOURS. Weather. 7h.—13h. 18th (37)	13h.—18h. 18th (38)	18h. 18th to 1h. 19th (39)	1h.—7h. 19th (40)
1	London (Kew)	1025·6	-8	SW'S	4	c	56	65	8	5	-	-	9+	9+	1500	1025·0	-4	SSW	4	bc	53	75	7	5	-	6	Tr	4-6	2500	0	*	cm.d.c	cbc	bcb	b,bc
	Croydon ...	1026·4	-6	SW'S	5	c	55	75	7	5	-	-	9	9	2500	1025·9	0	S'W	4	bc	51	92	6	5	-	2	Tr	4-6	2500	0	*	b,cid.c	c,bc	bcm,bw	bw,bcw
	S. Farnborough	1026·5	-4	SW'W	5	c	54	65	8	5	-	-	10	10	2500	1025·6	-4	SW'S	4	bc	50	92	7	1	-	1	Tr	2-3	1500	0	*	b,id.c	cbcb	b	bbcw
	Boscombe Down	1026·2	-2	SW	5	c	52	75	8	5	-	-	9+	9+	1500	1025·2	-4	SSW	4	bc	49	85	7	-	4	8	0	4-6	-	0	*	id.fid.c	bc	bm,bw	bw
	Calshot (Sthmtn.)	1027·3	-2	SSW	4	z.	52	85	6	5	-	-	9+	9+	800	1026·4	-4	SW'S	3	z.	49	92	6	-	-	8	0	2-3	-	1	2	oddfecm	cm.bm	bcb tR bw	bwbcm
	Lympne ...	1027·7	-10	SW	5	c/f	53	85	87	8	3	-	4-6	7-8	1500	1027·0	-2	SW'S	4	c	50	92	7	4	4	-	9	9+	1500	0	§ 0	Fdc Fd.	bcc	cbm,bw	bw
	Manston ...	1026·9	-10	WSW	5	c/d	54	85	7	8	-	-	7-8	7-8	450	1026·3	-6	WSW	5	bc	51	75	7	5	-	-	4-6	4-6	2500	0	*	cid.	c b	bcbm,b	bwb
2	Shoeburyness ...	1026·0	-10	SW'S	5	bc	57	65	7	8	-	-	4-6	4-6	2500	1025·3	-4	SW	4	c	53	75	7	5	3	2	4-6	7-8	2500	1	*	cm.b,cm	bcbc	bcb	bw
	Felixstowe ...	1025·9	-6	S'W	4	c	53	75	8	8	-	-	9+	9+	2500	1024·5	-2	SW	3	c	53	65	7	7	-	-	9+	9+	2500	0	2	cbc b	cbcc	cbcbw	bwbcb
	Gorleston ...	1024·1	-8	SSW	5	bc	58	55	6	-	3	-	0	2-3	-	1023·0	0	SW	3	bc	55	65	6	-	5	-	0	4-6	-	0	2	bcq y	bc	bcbq	bbcq
	Mildenhall ...	1024·1	-10	SW'S	6	c	57	65	8	5	-	-	9+	9+	2500	1023·2	-2	SW'S	4	c	54	65	8	5	4	4	4-6	9	2500	0	*	bbc b,c	cbcc	c,bbc	bcbw
	Cranwell ...	1021·9	-12	SW'S	5	c	57	65	8	7	7	-	2-3	7-8	2500	1020·5	-6	SW'S	4	bc	54	75	8	-	4	3	0	4-6	-	0	*	cbcc	cbc	bcb	bbcc
3	Birmingham ...	1022·8	0	SW	4	c	54	65	8	2	-	6	7-8	7-8	2500	1020·6	-8	SSW	4	bc	56	65	8	-	4	2	0	4-6	-	0	*	cbcc	cbc	bc	bcc
	Upper Heyford	1024·7	-10	SSW	4	c	55	65	8	5	-	-	9+	9+	2500	1023·6	-10	S'W	4	c	53	75	8	5	-	2	2-3	7-8	2500	0	*	c	c	bcc	bcc
4	Ross-on-Wye	1023·5	0	SW'S	5	q	56	55	8	5	-	2	7-8	7-8	4000	1022·1	-12	SW	4	bc	54	55	8	1	7	2	1	2-3	2500	0	*	c	cbcy	cbcq	bcc
5	Bristol ...	1025·3	-2	HSW	4	c	55	65	8	8	-	2	7-8	7-8	2500	1023·7	-8	SW	4	bc	53	75	8	7	1	2	2-3	4-6	4000	0	*	bcc	cbc	bcw	bcwc
	Portland Bill ...	1026·1	+6	SW	4	0	49	92	6	5	-	-	10	10	1500	1025·4	-6	SW	4	bc	49	85	7	4	-	-	4-6	4-6	2500	1	3	dfz.	obc	bcc	c
	Plymouth ...	1026·5	0	SW	4	z.	51	92	6	5	-	-	10	10	450	1024·8	-10	SW	5	bc	49	92	7	2	4	6	Tr	4-6	1500	0	3	cm.	cm.bbc	bbcm	bcm,w
	The Lizard ...	1025·9	0	S	4	bc	54	85	7	4	-	-	2-3	2-3	2500	1024·4	-2	S	5	bc	50	85	7	4	7	-	2-3	4-6	2500	1	3	cbc	bc	bc	bcw
	Scilly (St. Mary's)	1024·7	-2	SW'S	5	b	53	85	6	-	-	-	0	0	-	1022·6	-8	SW'S	5	c	50	85	7	5	5	4	4-6	7-8	2500	0	3	cbcb	bbcc	cbcb	bbc
	Guernsey ...	1028·2	-4	SW	3	b	57	75	7	-	1	-	0	Tr	-	1027·6	-4	SSW	1	b	54	65	7	-	1	-	0	Tr	-	0	1	cbcb	b	bw	bwbc
6	Pembroke ...	1022·4	-2	SW	6	q	49	97	6	5	2	-	7-8	10	2500	1019·8	-6	SW	6	q	49	92	6	5	-	-	9+	9+	2500	1	4	cq m.c	cq m.	cq	cq
7	Holyhead ...	1018·8	0	SSW	5	c	51	85	7	5	-	-	9+	9+	1500	1015·6	-18	SSW	6	c	49	85	6	5	2	-	7-8	10	800	0	5	d.c	m.d.c	m'c	c
	Chester (Sealand)	1021·2	-4	SSW	4	c	55	65	8	5	-	-	10	10	2500	1017·8	-18	SW'W	5	c	56	65	7	5	7	-	7-8	7-8	1500	0	*	c	cyc	c'	c
8	Manchester ...	1021·0	-2	SSW	5	c	55	65	7	5	-	-	9+	9+	2500	1018·3	-14	SSW	5	c	55	65	7	5	3	-	9	9+	4000	1	*	c	c	bcc	c
10	Spurn Head ...	1020·8	-8	SW'W	5	c	58	65	7	7	3	8	2-3	7-8	2500	1019·2	-16	SW'W	5	c	54	65	6	-	-	3	0	7-8	-	0	2	bcc	bcc	cbc	c
	Catterick ...	1017·5	-14	SW	5	c	54	65	7	5	2	7	7-8	9+	2500	1015·5	-16	SW'S	5	c	53	65	7	8	7	6	2-3	7-8	1500	0	*	c	cbc	bccbc	bcc
	Tynemouth ...	1015·7	-6	W	5	c	54	75	6	8	-	-	9+	9+	1500	1014·4	-6	SW	4	c	54	75	7	8	4	1	4-6	7-8	1500	0	2	c	cq	cq	cq
11	St Abbs Head .	1012·7	0	SSW	6	dd	50	92	7	8	2	-	7-8	10	1500	1007·8	-20	WSW	8	q	49	85	8	8	2	-	4-6	7-8	1500	0	4	cm.dd	cq	cqpr	cq
	Leuchars ...	1010·6	-18	SW	4	c/d	54	85	7	5	-	-	9+	9+	1500	1007·7	-16	SW	5	c	52	75	7	8	2	-	4-6	7-8	1500	0	*	cr.d.d.c	cq	cqrr	gcRrrr
12	Renfrew (Abbots I.)	1011·5	-2	SW'S	4	c	54	85	7	5	7	-	9	10	1500	1008·5	-18	SW	5	ir.	51	85	6	5	2	-	2-3	10	2500	1	*	rer.ddc	ccr	cm	RRrrr
	Eskdalemuir ...	1014·2	-6	SW'S	7	m	45	97	4	5	-	-	10	10	1150	1010·9	-18	SW'S	8	c	46	92	6	5	-	-	10	10	800	1	*	id.om	id.cm	orrm	orrm
	Point of Ayre ...	1015·9	0	SW	6	c	57	75	8	4	-	9	Tr	7-8	800	1013·0	-10	SW	6	c	51	85	7	5	2	9	2-3	9+	800	0	4	c	c	cpr	cprc
13A	Tiree	1006·0	-18	SSW	6	c	52	85	7	5	-	-	10	10	1500	1002·0	-26	S'W	6	rr	49	92	6	-	2	-	10	10	1500	1	4	rd R ir	cirrr	crd	crrr
13B	Stornoway ...	1005·9	-16	SSE	4	rr	43	92	6	5	2	-	7-8	10	1500	998·8	-10	SSW	8	rr	49	92	5	5	2	-	7-8	10	1500	1	5	crr	crrRm	crrpr	crrir
15	Dalwhinnie ...	1008·0	-26	SW	6	c	49	92	7	4	2	-	4-6	10	1500	1004·6	-24	SW	9	ir	48	85	7	8	6	1	7-8	10	2500	1	*	cir	cirr	cirrr	cirrr
	Aberdeen ...	1009·5	-32	SSW	4	id.	47	97	6	5	2	-	9	10	1500	1006·5	-10	SSW	4	pr.	50	85	6	9	-	-	10	10	1500	0	2	ccd.m.	bg cpr	czqc	c
	Wick ...	1008·6	- 8	SW	3	rer.	45	85	7	5	2	-	9	10	1500	1001·5	-40	S	3	c	47	92	7	5	7	8	4-6	10	1500	1	2	cr.r.	c	cprc	bcc
16	Lerwick ...	1005·7	+6	WSW	7	c	47	75	7	5	2	-	4-6	9	1500	1003·3	-14	SW	5	rer.	44	85	7	6	2	-	7-8	10	1500	1	*	e	cr.r.	crrir	c
17	Blacksod Point	1007·1	-20	S	8	q	51	92	7	9	-	-	10	10	800	1002·9	-20	S	8	q	51	92	7	9	-	-	10	10	450	1	6	iDq	irdq	prc	iR
18	Malin Head ...	1007·4	-12	S	5	c/pr	53	92	6	9	-	-	9+	9+	800	1002·7	-42	SSW	6	e/pr	52	85	6	6	2	-	4-6	10	800	0	4	cid	c	c	cr.r.
	Aldergrove ...	1012·2	-10	S'W	4	c	55	75	8	5	-	-	9+	9+	2500	1008·8	-18	S	4	e/r	54	65	8	5	7	-	7-8	10	2500	1	*	cm.d.c	cr.c	rcd.	rr.c
19	Birr Castle ...	1013·3	-14	SSW	4	c	55	75	8	5	7	-	4-6	7-8	1500	1010·8	-16	SW	4	c	54	75	8	5	2	-	7-8	10	1500	1	*	c	c	c	cir
20	Valentia Obsy. †	1013·6	-18	SSW	6	c	53	75	8	5	-	-	9+	9+	1500	1011·2	-2	SSW	7	ir.	52	92	7	6	-	-	10	10	800	1	5	c	cid.ir.	cirrr	rrirrr
	Roches Point	1018·1	*	WSW	4	c	52	85	8	8	1	-	7-8	9	1500	1015·2	*	WSW	5	c	51	92	7	5	1	-	7-8	9+	800	1	4	c	c	coidr	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.
j, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r_o, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⊙ lunar halo. ⁄ gale.
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.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 . . Ground covered with thawing snow.
7 . . „ 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.

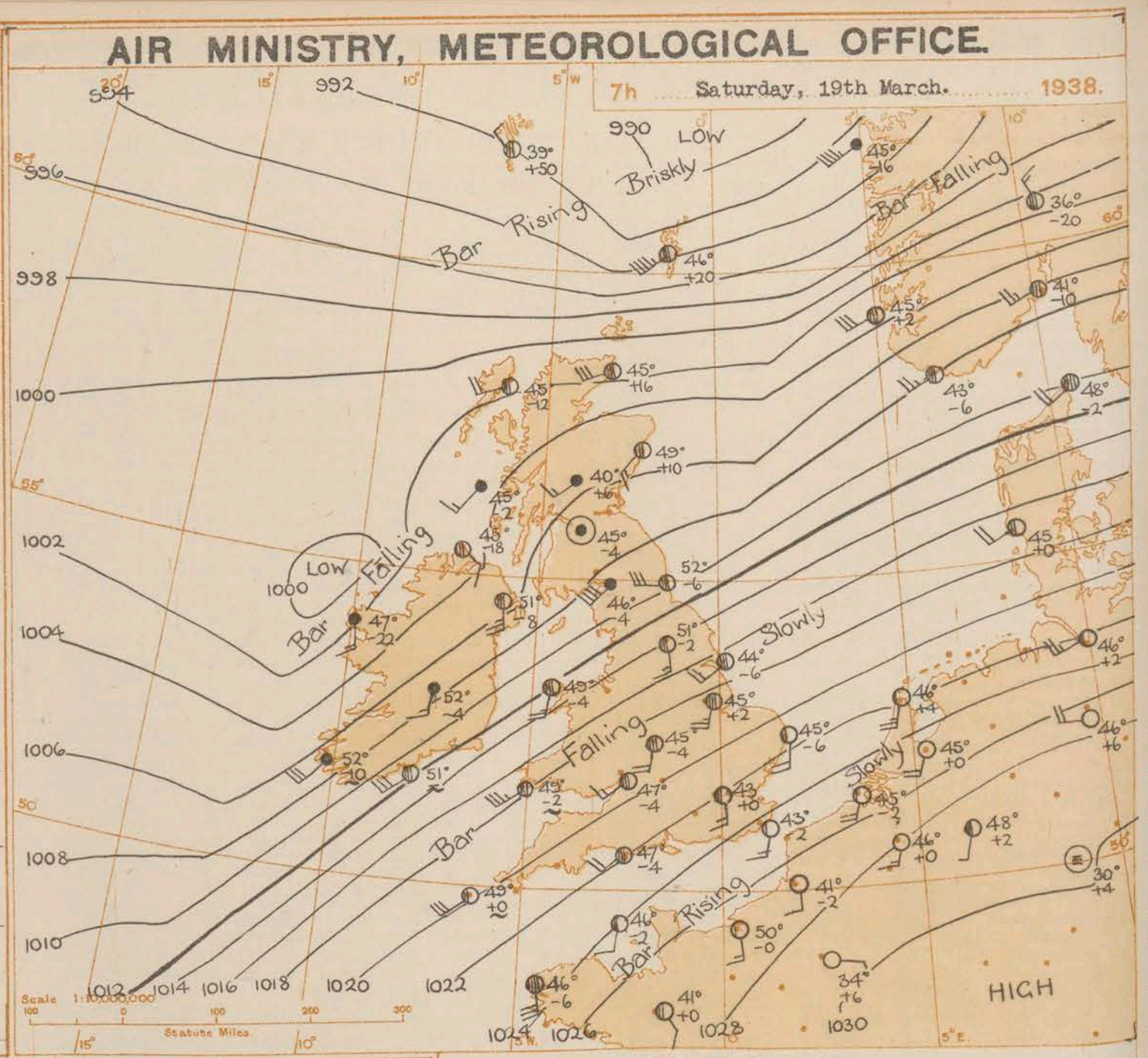
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 18th March 1938.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 9h. 17th to 9h. 18th	Temperature. (°F.) Max. 9h.—17h. 18th	Rainfall. (mm.) Night. 17h. 17th to 9h. 18th	Rainfall. (mm.) Day. 9h.—17h. 18th	Sunshine. (Hrs.) Sunrise to 17h. 18th	Sunshine. (Hrs.) Sunrise to Sunset. 17th
1	Tunbridge W.	odbc	coc	43	55	Trace	Trace	1·7	2·0
	Bournemouth	bcco	ocbcb	47	53	0·5	-	1·7	3·2
	Ventnor ...	rom	obcb	46	52	2	-	2·5	3·7
	Southsea ...	ocbc	cb	47	57	0·5	-	2·2	4·6
	Bognor Regis	oc	cbcb	46	51	0·5	-	2·3	4·5
	Littlehampton	codmc	cbc	47	51	0·4	0·3	2·5	4·8
	Worthing ...	ocr.	cbcbbc	46	51	1	Trace	2·4	3·9
	Brighton ...	cbc	cbc	45	51	0·3	-	1·0	3·3
	Eastbourne† ...	oc	cbc	47	54	-	-	2·0	5·4
	Hastings† ...	od.	cbcc	45	52	0·3	Trace	1·5	2·2
	Folkestone ...	como	cpcb	44	53	-	-	4·0	2·1
	Dover ...	fod	fob	44	51	-	Trace	3·4	1·4
	Deal	bcbc	bcbc	41	59	-	-	4·4	3·2
	Ramsgate ...	c	bc	46	56	-	-	4·2	1·6
	Margate ...	bcc	bc	45	58	-	-	3·7	1·0
2	Southend ...	bbcc	cbcc	44	56	Trace	-	2·5	0·2
	Clacton-on-Sea	c	cbcc	44	54	-	-	3·0	0·0
	Dovercourt ...	bcv	bc	44	58	-	-	5·0	0·0
	Lowestoft ...	b	b	41	61	0·2	-	10·1	0·7
	Skegness ...	b	bc	40	60	-	-	8·4	2·1
	Mablethorpe...	bbc	bc	37	61	-	-	6·7	5·6
	Cleethorpes ...	bc	bcc	39	60	-	-	7·9	8·4
3	Leamington S.	bc	bc	42	58	-	-	4·6	1·1
4	Cheltenham†	c	cbc	43	58	-	-	2·3	0·3
5	Bath	c	cbcb	48	59	-	-	2·9	0·6
	Weymouth ...	mc	cb	46	52	0·6	-	1·4	4·2
	Jersey ...	cbc	bcb	48	58	Trace	-	6·3	0·3
	Torquay ...	cbc	bbqy	48	58	0·3	-	4·6	4·2
	Falmouth	bc	b	49	58	0·4	-	6·8	3·5
	Penzance ...	cb	b	49	56	Trace	-	7·0	5·2
	St. Ives ...	b	b	46	59	0·3	-	7·2	6·1
	Bude... ...	c	bc	46	57	Trace	-	4·6	4·9
	Ilfracombe ...	cbcco	cbc	48	60	-	-	4·7	3·1
6	Aberystwyth	cbcc	c	47	54	-	-	6·5	4·1
7	Llandudno ...	c	cbc	48	58	-	-	2·2	6·7
	Colwyn Bay...	c	cbcbc	47	55	-	-	1·0	8·0
	Rhyl	c	c	49	56	-	-	0·4	8·8
8	Wallasey ...	c	c	47	56	-	-	0·1	7·6
	Southport ...	c	c	45	55	-	-	0·4	7·6
	Blackpool ...	co	oc	47	53	Trace	-	0·1	5·9
	Morecambe ...	cbcc	cbcc	45	53	-	-	0·2	6·1
9	Ilkley... ...	cbc	bbc	45	58	-	-	4·1	5·6
	Harrogate ...	bcc	bcc	44	58	-	-	5·3	8·1
10	Berwick-on-T.	oid.	co	46	52	Trace	0·1	0·0	0·4
11	Dunbar ...	cpr.	bc	46	56	0·5	Trace	2·1	5·3
12	Troon... ...	oco	coco	44	50	4	-	0·0	0·6
	Douglas ...	od. W2	cq	43	50	Trace	-	0·0	1·6

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.



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. 19th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Wind southwest, moderate or fresh; fine; mild.
6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	Wind southwest, fresh or strong; fair; mild.
11 S.E. Scotland 12 S.W. Scotland & Isle of Man. 13 A. W. Scotland, B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Wind variable between south and west, gale force at times; occasional rain; mild.

GENERAL INFERENCE

Depressions moving northeast along the western seaboard will give occasional rain in Ireland and Scotland but weather will continue fair and mild in southeastern districts.

FURTHER OUTLOOK.

Mild. Unsettled in West and North; fair in the Southeast.

Times of issue of Gale Warnings.

South Cone hoisted 1345 18/3 in districts 12, 13, 15,16,17, 18 and 20.

South Cone hoisted 1900 18/3 in districts 7, 10, 11 and 19.

Forecasts issued at 1010 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2. 0332/3426 4a 8020. D.4513 4p 348 32240. 3/38.

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.

Morning of

SATURDAY, 19TH MARCH.

1938.

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

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a half 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. ϟThunder. ϟ 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, 19th March, 1938.
No. 27676.

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

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	% Humid. (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	12	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1024·6	-10	SE	4	b	45	92	7	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1026·6	-6	SW	3	b	43	92	7	-	-	-	0	0	-
	Manston ...	142	1025·6	-6	SW	2	b	44	92	6	-	-	-	0	0	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1022·6	-2	SW	4	b	45	75	6	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1023·3	-10	SW	4	c	47	85	7	4	4	-	4-6	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1022·3	-10	S	5	bc	48	97	7	4	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1020·6	-12	SW	5	b	49	92	7	-	-	4	0	1	-
	Guernsey ...	175	1026·3	-6	SSW	2	b	47	86	7	-	-	-	0	0	-
6	Pembroke ...	142	1018·3	-2	SSW	6	q	49	97	7	5	-	-	7-8	7-8	2500
7	Holyhead ...	26	1013·9	-14	SSW	6	c	49	85	7	5	2	-	4-6	10	1500
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1018·1	-2	SW	4	bc	47	75	7	-	8	-	0	2-3	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1011·3	-6	SW	6	q	52	85	6	9	-	-	7-8	7-8	800
11	St Abbs Head ..	280	1006·8	-8	SW	9	pr	49	97	7	3	8	9	4-6	9	800
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1011·3	-8	SW	6	c	51	92	7	8	1	-	7-8	10	800
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	997·9	+36	SW	8	c/pr	47	65	7	8	7	-	4-6	9+	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	997·6	-10	SW	6	c	49	75	8	8	1	8	4-6	7-8	1500
16	Lerwick ...	156	993·6	-36	SW	7	c/r	46	92	7	8	2	-	7-8	9+	800
17	Blacksod Point	18	1006·1	+2	W	3	c	48	85	7	9	-	-	10	10	800
18	Malin Head ...	84	1005·4	+12	SW	3	c	48	92	8	4	-	-	7-8	7-8	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1008·0	-4	SSW	6	RR	52	97	6	9	-	-	9+	9+	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visibility. 0–9 (22)	Cloud. Form. Low. (23)	Cloud. Form. Med. (24)	Cloud. Form. High (25)	Cloud. Amount. Low 0–10 (26)	Cloud. Amount. Total 0–10 (27)	Cloud. Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1023·2	0	S	1	bc	42	85	7	-	-	1	0	2-3	-	0	*
1023·5	0	S	3	bc	43	97	7	-	-	4	0	2-3	-	0	*
1022·2	0	SSW	2	c	44	85	7	-	3	4	0	7-8	-	1	*
1022·2	0	S	3	r	39	97	6	-	-	4	0	7-8	-	1	*
1023·6	-2	SSW	3	bc	46	97	7	-	4	4	0	4-6	-	1	1
1025·4	-2	SSW	3	b	49	92	7	-	-	1	0	Tr	-	0	§2
1024·9	+2	S'E	3	b	43	85	8	-	5	1	0	1	-	0	*
1023·6	-2	SSW	3	bc	45	85	7	-	3	4	0	2-3	-	1	*
1023·2	-4	SSW	3	b	45	85	8	-	4	1	0	Tr	-	0	2
1021·0	-6	S'W	4	bc	45	75	6	-	4	-	0	2-3	-	0	2
1020·8	-4	SSW	4	bc	46	75	8	-	7	1	0	2-3	-	1	*
1018·6	+2	SSW	5	c	45	85	7	5	4	-	7-8	9	2500	0	*
1018·8	-4	SSW	4	c	45	85	8	5	1	-	1	9+	2500	0	*
1021·0	-2	S'W	4	r	43	92	6	5	-	2	Tr	9+	2500	0	*
1019·8	-4	SW	3	c	47	85	7	5	1	2	1	9+	2500	0	*
1021·0	-4	S	4	c	47	85	8	5	7	8	2-3	9	1500	0	*
1022·5	-4	SW	4	c	47	85	7	4	-	1	4-6	7-8	2500	1	3
1021·8	-2	S	4	r	48	92	6	5	7	5	Tr	4-6	1500	0	3
1020·7	-2	S'W	4	bc	49	85	8	4	7	-	4-6	4-6	2500	0	3
1019·0	0	SW	6	bc	49	85	7	5	4	4	2-3	4-6	2500	0	4
1024·9	-2	S'W	2	bc	46	86	7	-	-	8	0	2-3	-	1	2
1016·9	-2	SW	7	q	49	92	7	5	-	-	9+	9+	2500	1	4
1012·2	-4	SSW	5	c	49	85	7	5	2	-	7-8	10	800	0	3
1015·0	0	SSW	5	c	53	75	8	5	2	-	7-8	10	1500	0	*
1015·6	-2	S	4	r	49	85	6	5	3	-	9+	10	1500	1	*
1017·3	-6	SW	4	c	44	75	7	4	4	8	2-3	7-8	1500	0	2
1013·0	-2	S	3	c	51	75	7	4	3	5	4-6	9	1500	0	*
1009·4	-6	W	6	q	52	85	6	8	-	-	7-8	7-8	1500	0	3
1006·3	+4	SW	8	q	49	92	7	3	8	-	4-6	9+	800	0	5
1005·7	+2	SSW	1	r	47	97	7	-	2	-	10	10	2500	1	*
1006·3	-4	-	0	r	45	97	5	6	2	-	9	10	800	1	*
1007·6	-4	SW'S	8	r	46	97	5	-	2	-	10	10	220	1	*
1009·1	-6	SW'W	7	c	50	92	7	8	1	-	7-8	10	800	1	4
1003·3	-2	SSW	3	r	45	92	7	-	2	-	10	10	1500	1	3
1001·7	+12	WSW	4	c/r	45	75	7	5	1	-	2-3	10	2500	1	2
1005·6	+6	SW	3	r	40	97	7	4	1	-	2-3	10	2500	1	*
1004·7	+10	SSW	3	c	49	75	8	5	-	-	9+	9+	5700	0	1
1000·5	+16	WSW	6	c	45	75	8	5	1	8	4-6	10	1500	1	3
999·6	+20	SW	9	c	46	75	7	8	7	-	7-8	9	1500	1	*
1002·0	-22	S	3	r	47	97	7	6	-	-	10	10	450	1	3
1003·4	-18	SE	2	c/r	45	92	7	8	7	-	4-6	7-8	4000	1	3
1006·3	-8	S	5	c	51	86	7	5	-	-	10	10	1500	1	*
1007·0	-4	S'W	3	r	52	92	7	6	2	-	7-8	10	1500	1	*
1008·6	-10	SSW	6	r	52	92	6	6	-	-	10	10	800	1	4
1010·9	*	SW	6	c	51	92	7	5	-	-	9+	9+	800	1	4

PAST 24 HOURS.

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 18h Hrs. (36)
57	41	28	Tr	Tr	3·1
56	43	30	Tr	-	2·0
57	41	33	Tr	Tr	3·8
55	38	35	Tr	-	2·0
53	45	43	0·2	-	1·1
54	41	34	0·1	0·2	0·9
58	40	34	-	-	3·7
59	44	34	-	-	2·9
55	44	40	-	-	3·6
60	44	41	-	-	2·9
61	45	42	-	Tr	7·8
60	43	41	-	-	7·1
57	43	40	-	-	4·9
57	39	33	-	-	*
58	45	41	-	-	3·0
59	44	41	-	-	4·7
50	46	*	Tr	-	*
52	47	44	-	-	4·2
55	47	*	-	-	7·2
54	48	*	-	-	7·6
60	45	39	-	-	8·5
50	47	*	-	-	1·0
51	48	48	Tr	-	0·2
57	51	43	-	-	0·0
58	49	47	-	-	2·7
58	44	*	-	-	6·8
56	51	48	-	-	1·8
55	50	47	-	-	0·0
55	43	*	0·6	Tr	*
56	46	45	0·5	4	1·1
55	45	44	2	7	0·1
47	45	45	1	7	0·0
58	49	*	-	0·5	2·1
52	45	44	8	4	0·0
50	45	*	13	3	0·0
51	40	39	1	5	0·3
55	48	46	Tr	-	0·7
55	47	44	*	Tr	*
49	43	*	Tr	6	1·5
52	44	*	5	7	*
54	44	*	0·4	8	0·4
57	50	48	Tr	2	0·3
57	51	*	-	0·2	3·6
54	51	50	0·3	8	0·3
53	50	*	-	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	cm dc	cbc	bc bb x	57	41	28	Tr	Tr	3·1	*	*	8
Croydon	217	bc i d c	cbc	bc m b w	56	43	30	Tr	-	2·0	*	*	6
Greenwich (Royal Observatory)	149	c	cb	b	57	43	35	*	-	3·6	62	62	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	2·6	*	*	*
Westminster (St. James' Park)	27	*	*	*	57	46	37	—		2·5	65	66	*
Regents Pk. (Botanic Gardens)	168	*	*	*	57	45	39	-	-	2·3	69	62	*
Camden Square	110	c	c	*	58	45	35	-	-	*	*	62	*
Kensington	90	bc	bc	*	58	44	32	-	-	2·9	71	At 15h 61	*
Hampstead Observatory	450	o	bc	bc	55	42	35	-	-	3·4	*	76	*

FOREIGN OBSERVATIONS.

Stations.	18h G.M.T. 18th March. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.	7h. G.M.T. 19th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1028·9	NE	1	b	59	1029·1	ESE	1	z	34
Brussels	1028·5	SSW	3	c	55	1027·4	SSW	3	b	46
Berlin	1026·9	W	4	c	54	1025·4	SW'S	3	c	48
Zurich	1029·8	NNE	1	b	55	1030·2	*	*	m	37
Rome	1026·9	WNW	2	bc	57	1028·7	ENE	6	f	45

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
63	32	-	-
59	45	-	-
57	41	-	-
66	36	-	-
*	*	-	-

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 19th.

South Kensington.

Max.	Time.	Min.	Time.
40·3	whole period		

Kew Observatory.

Max.	Time.	Min.	Time.
0·1	12h. 18h	40·1	04h. 19h

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

TERMS OF SUBSCRIPTION. Single Copies, 1d. each: by post 1½d 9/6 per month: 5/6 per quarter. 25/- per year.

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S. Director

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 9 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 20th March, 1938.

No. 27877.

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 19th March: 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)	1021·5	−6	SSW	5	bc	60	45	8	–	–	8	0	4-6	–
	Croydon ...	1022·2	−10	S'W	5	b	61	55	8	–	–	3	0	1	–
	S. Farnborough	1022·0	−8	SW'W	5	q	60	55	9	–	–	2	0	4-6	–
	Boscombe Down	1022·0	−6	SSW	5	c	58	45	8	–	–	6	0	7-8	–
	Calshot (Sthmtn.)	1023·0	−2	S'W	4	bc	56	75	8	–	–	6	0	4-6	–
	Lympne ...	1024·4	−8	SW'S	4	b	55	65	8	–	–	5	0	1	–
	Manston ...	1022·3	−12	SSW	5	b	60	55	7	–	7	–	0	1	–
2	Shoeburyness ...	1022·4	−8	SSW	4	b	53	55	7	–	–	3	0	Tr	–
	Felixstowe ...	1021·7	−14	S	4	b	55	60	8	–	–	8	0	Tr	–
	Gorleston ...	1020·0	−10	SSW	5	bc	60	55	7	–	4	1	0	2-3	–
	Mildenhall ...	1019·6	−12	SSW	6	bc	63	55	8	–	–	6	0	4-6	–
	Cranwell ...	1017·2	−10	SW'S	6	c	57	55	8	–	7	4	0	7-8	–
3	Birmingham ...	1017·1	−6	SSW	4	c	55	55	8	1	7	–	Tr	9+	4000
	Upper Heyford	1020·0	−14	SSW	5	c	57	45	9	–	7	–	0	9	–
4	Ross-on-Wye	1018·2	−14	SW	5	q	58	45	8	1	–	8	Tr	7-8	2500
5	Bristol ...	1020·1	−14	SW	4	bc	57	55	8	1	3	8	1	4-6	2500
	Portland Bill ...	1021·8	−8	S	4	c	49	85	7	4	–	8	7-8	9	2500
	Plymouth ...	1021·0	−10	S'W	4	bc	52	85	8	2	7	9	Tr	2-3	2500
	The Lizard ...	1020·4	0	S'W	5	bc	51	75	7	7	7	–	2-3	4-6	2500
	Scilly (St. Mary's)	1018·2	−6	SW'S	6	c	54	75	7	5	6	5	4-6	7-8	2500
	Guernsey ...	1024·0	−2	SW	3	b	60	55	7	–	1	–	0	Tr	–
6	Pembroke ...	1016·0	−4	SW	7	q	50	85	7	5	7	–	4-6	7-8	2500
7	Holyhead ...	1011·4	−8	SSW	6	c	52	75	7	5	–	–	10	10	800
	Chester (Sealand)	1014·9	−4	SW	6	c	56	55	8	5	2	–	4-6	9	2500
8	Manchester ...	1014·8	−8	SSW	5	c	56	55	7	5	7	–	7-8	9+	4000
10	Spurn Head ...	1015·7	−2	SW	5	q	60	55	7	–	4	6	0	7-8	–
	Catterick ...	1012·6	+2	SW'S	5	c	55	65	7	5	7	5	7-8	7-8	2500
	Tynemouth ...	1009·9	+4	SW	6	q	54	75	7	9	–	–	9	9	1500
11	St. Abbs Head	1005·8	0	SSW	7	ir	50	92	7	8	2	–	7-8	10	1500
	Leuchars ...	1003·9	−14	SSW	5	ir	54	85	7	6	–	–	10	10	800
12	Renfrew (Abbotsl.)	1003·9	−6	SSW	6	z	52	85	6	5	–	–	10	10	1500
	Eskdalemuir ...	1006·5	−8	SW'S	8	rr	47	97	5	–	2	–	10	10	220
	Point of Ayre ...	1006·6	−8	SWW	7	c	53	85	7	8	2	–	7-8	10	800
13A	Tiree	1000·2	−22	NW	3	rr	45	97	6	5	2	–	4-6	10	450
13B	Stornoway ...	1001·9	−2	SSW	3	r	44	85	7	5	–	–	10	10	2500
15	Dalwhinnie ...	1002·8	−24	SW	2	rr	44	97	6	4	1	–	4-6	10	1500
	Aberdeen ...	1004·0	−14	SSE	3	d	45	92	4	5	2	–	9+	10	800
	Wick ...	1002·9	+6	SSW	3	r	45	97	7	5	2	–	7-8	10	1500
16	Lerwick ...	1001·1	+14	WSW	5	c	47	85	8	8	7	2	4-6	9	1500
17	Blacksod Point	1006·0	+40	W	3	c	48	85	8	5	–	–	7-8	7-8	1500
18	Malin Head ...	1000·7	−8	SW	5	c	53	85	7	9	–	–	9	9	2500
	Aldergrove ...	1004·7	−2	SSW	6	r	52	92	6	6	2	–	9+	10	450
19	Birr Castle ...	1007·2	+6	SW	3	c/r	51	92	8	6	2	–	2-3	10	1500
20	Valentia Obsy. †	1003·8	+18	W	4	c	50	85	8	5	7	–	7-8	9+	1500
	Roches Point	1010·8	*	SW	5	dd	51	9/	5	5	–	–	10	10	220

District	Stations.	OBSERVATIONS at 18h. G.M.T. 19th March: Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind: Direc. (17)	Wind: Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud: Form: Low. (23)	Form: Med. (24)	Form: High. (25)	Amount: Low 0–10 (26)	Amount: Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1020·2	−2	SW'S	4	bc	56	45	8	–	–	2	0	4-6	–	0	*
	Croydon ...	1020·6	−4	S'W	3	bc	55	55	7	–	4	2	0	4-6	–	0	*
	S. Farnborough	1020·2	−6	SW	4	bc	53	45	8	–	–	2	0	4-6	–	0	*
	Boscombe Down	1019·8	−2	SSW	5	c	51	65	8	5	4	6	Tr	7-8	4000	0	*
	Calshot (Sthmtn.)	1021·0	−10	SW'S	3	bc	52	65	7	–	–	5	0	4-6	–	1	2
	Lympne ...	1022·2	−6	SW'S	2	bc	51	75	8	–	–	4	0	2-3	–	2	§0
	Manston ...	1021·2	−6	SW'S	4	bc	54	65	7	–	–	5	0	4-6	–	0	*
2	Shoeburyness ...	1020·7	−8	SSW	4	bc	55	45	8	–	–	1	0	2-3	–	0	*
	Felixstowe ...	1019·8	−6	SSW	4	b	55	45	8	–	–	8	0	1	–	0	3
	Gorleston ...	1018·3	−2	S'W	4	bc	59	35	7	–	4	1	0	4-6	–	0	3
	Mildenhall ...	1017·8	−6	SSW	5	c	57	35	6	–	–	6	0	7-8	–	0	*
	Cranwell ...	1015·7	−10	SSW	5	c	56	55	8	–	7	6	0	9+	–	0	*
3	Birmingham ...	1016·0	−6	SSW	3	c	54	55	8	5	–	2	7-8	9	2500	0	*
	Upper Heyford	1018·5	−2	SW	4	c	53	55	8	–	7	6	0	7-8	–	0	*
4	Ross-on-Wye	1016·9	−10	S'W	4	c	53	65	7	5	1	6	1	9	2500	0	*
5	Bristol ...	1018·8	−6	SSW	4	c	51	75	8	5	7	9	1	7-8	4000	0	*
	Portland Bill ...	1019·8	−18	SW	3	c	50	75	8	4	7	–	4-6	9	2500	1	3
	Plymouth ...	1019·4	−6	S'W	4	c	50	92	7	2	7	2	Tr	9	2500	0	3
	The Lizard ...	1018·0	−8	S'W	5	c	51	85	7	7	7	–	2-3	7-8	2500	1	3
	Scilly (St. Mary's)	1016·0	−12	SW'S	5	bc	51	85	7	–	5	3	0	2-3	[illegible]	0	4
	Guernsey ...	1022·2	−18	SW'S	1	bc	56	55	7	–	–	8	0	2-3	–	0	1
6	Pembroke ...	1015·1	−8	SW	7	q	49	97	6	5	2	–	7-8	10	1500	1	4
7	Holyhead ...	1010·9	−2	SSW	5	id	49	92	5	5	–	–	10	10	450	0	3
	Chester (Sealand)	1013·9	−4	SSW	4	c/r	56	675	7	5	2	–	4-6	9+	800	0	*
8	Manchester ...	1013·8	−6	SSW	5	c	55	65	7	5	7	–	4-6	9	2500	1	*
10	Spurn Head ...	1014·6	−4	SW	4	c	55	55	7	5	–	8	7-8	9	2500	0	2
	Catterick ...	1010·9	−12	SW'S	5	ir	54	75	6	6	7	–	7-8	9+	1500	0	*
	Tynemouth ...	1008·9	0	SW	6	q	53	75	6	9	–	–	9	9	800	0	2
11	St. Abbs Head	1001·6 (1006·1)	+16	SW	8	q	51	85	8	9	8	–	7-8	9+	1500	0	3
	Leuchars ...	1004·8	+12	SW	5	c	52	85	8	5	9	–	4-6	9+	1500	1	*
12	Renfrew (Abbotsl.)	1006·7	+26	W	3	c	48	85	8	5	7	1	2-3	9+	1500	1	*
	Eskdalemuir ...	1006·3	−2	SW'S	6	rr	47	92	6	–	2	–	10	10	220	2	*
	Point of Ayre ...	1003·3	+4	WSW	4	r	50	97	7	8	2	–	7-8	10	800	1	3
13A	Tiree	1005·6	+20	SW'W	4	pr	46	85	7	8	3	–	4-6	7-8	1500	1	3
13B	Stornoway ...	1002·5	+2	S	4	c	43	85	8	5	7	–	7-8	9+	2500	1	2
15	Dalwhinnie ...	1004·5	+30	SW	5	c	43	85	7	5	6	–	4-6	9	2500	1	*
	Aberdeen ...	1002·1	0	SW	4	c	53	75	7	5	3	9	4-6	7-8	2500	1	2
	Wick ...	1000·3	−6	N	3	rr	42	97	7	5	2	–	9	10	800	1	2
16	Lerwick ...	1001·3	+6	SW	4	c/pr	45	85	8	8	7	–	7-8	9	1500	1	*
17	Blacksod Point	1006·2	−2	SW	3	c	48	85	9	5	–	–	9+	9+	800	1	3
18	Malin Head ...	1006·4	+26	W	3	c	47	85	8	8	3	–	7-8	9	4000	1	2
	Aldergrove ...	1008·0	+26	WSW	3	c	48	85	9	5	7	–	7-8	10	7200	1	*
19	Birr Castle ...	1008·1	−2	SW	1	c	49	85	8	5	1	–	7-8	10	1500	1	*
20	Valentia Obsy. †	1006·2	−16	ESE	3	r	47	85	8	6	2	–	2-3	10	1500	1	3
	Roches Point	1003·3	*	SW	3	DD	49	92	4	5	–	–	10	10	220	1	4

PAST 24 HOURS.

District	Stations.	Weather. 7h.–18h. ...19th (37)	Weather. 13h.–18h. ...19th (38)	Weather. 18h. 19th to 1h. 20th (39)	Weather. 1h.–7h. ...20th. (40)
1	London (Kew)	bc	bc	bcb	bbc
	Croydon ...	bc,by	bby	bz,wb	bbc
	S. Farnborough	by,q	by,v	bcb	bwcbc
	Boscombe Down	bc,m,bc	by,bc	by,bc	bc
	Calshot (Sthmtn.)	bc	by	bc,bwb	bbc
	Lympne ...	b	by	bwx	bxw
	Manston ...	bby	bby	bcbw	bwb
2	Shoeburyness ...	bwby	by	by,bw	bw
	Felixstowe ...	b	bvy	by,b	bwb
	Gorleston ...	bcqy	bcqy	bc,bq,y	bbcq
	Mildenhall ...	by	by,cy	cy,bw	bbc
	Cranwell ...	bccy	bccy	cy,c,m,	bc,m,c
3	Birmingham ...	cbcc	cbcc	cbc	bc
	Upper Heyford	c	c	bc	c
4	Ross-on-Wye	cbcc	bcyc	c	c
5	Bristol ...	cbcy	bc	bcbbc	bccbc
	Portland Bill ...	c	c	bcb	bcc
	Plymouth ...	bc,m,b	pbcc	c	cbc
	The Lizard ...	bc	bcc	cbcw	bcc
	Scilly (St. Mary's)	bcc	cbc	bc,bbcc	cbcc
	Guernsey ...	bcb	bbc	bcb	bbcc
6	Pembroke ...	cq,m,c	cq,m,c	bq,bcc	cq
7	Holyhead ...	id,m,c	id,m,c	ir,m,c	c
	Chester (Sealand)	ccy	cyc,	c	c
8	Manchester ...	c,m,c	c	cbc	bcc
10	Spurn Head ...	cq	c	c	c
	Catterick ...	cc,z,	cc,ir,m,	cir,c	c
	Tynemouth ...	cq	cq	cp,q,co	oc
11	St. Abbs Head	ir,cq	cq	cpr,	cirdd
	Leuchars ...	ir,d,ir,	cir,qc	cbcc	crrc
12	Renfrew (Abbotsl.)	r,ddir,	dq,q,irc	cbm,c	rrcrr
	Eskdalemuir ...	or,or,rr	or,rm,	oi,dor	orroc
	Point of Ayre ...	c	crq	r,ddo	cq
13A	Tiree	c,rr,r,	rcbc	c	cdRr
13B	Stornoway ...	cr,r,	cr,r,	cr,r,	cr,r,
15	Dalwhinnie ...	crr	cRrir	*	bccrr
	Aberdeen ...	cd,r,	cq,c	cbcb,c	cr,r,
	Wick ...	cr,r,	cd,rr	bcc	crr
16	Lerwick ...	cpr,	cpr,	irbcc	cd,
17	Blacksod Point	D	pr,c	prc	PRc
18	Malin Head ...	circ	cprbcc	cpr,c	cr,r,
	Aldergrove ...	cr,r,ccc,r	rm,cv	cverr	crr,r,
19	Birr Castle ...	cir,	c,r,c	corr	orrc
20	Valentia Obsy. †	rrr,r,c	cr,r,	r,r,rr	rrirc
	Roches Point	codd	ddDD	Dodd	cir,

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).
⊕, Solar halo. ⊙ lunar halo. ⁄ gale.
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.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 . . Ground covered with thawing snow.
7 . . ,, 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.

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*

† Sea disturbance reported from Dunsneas.

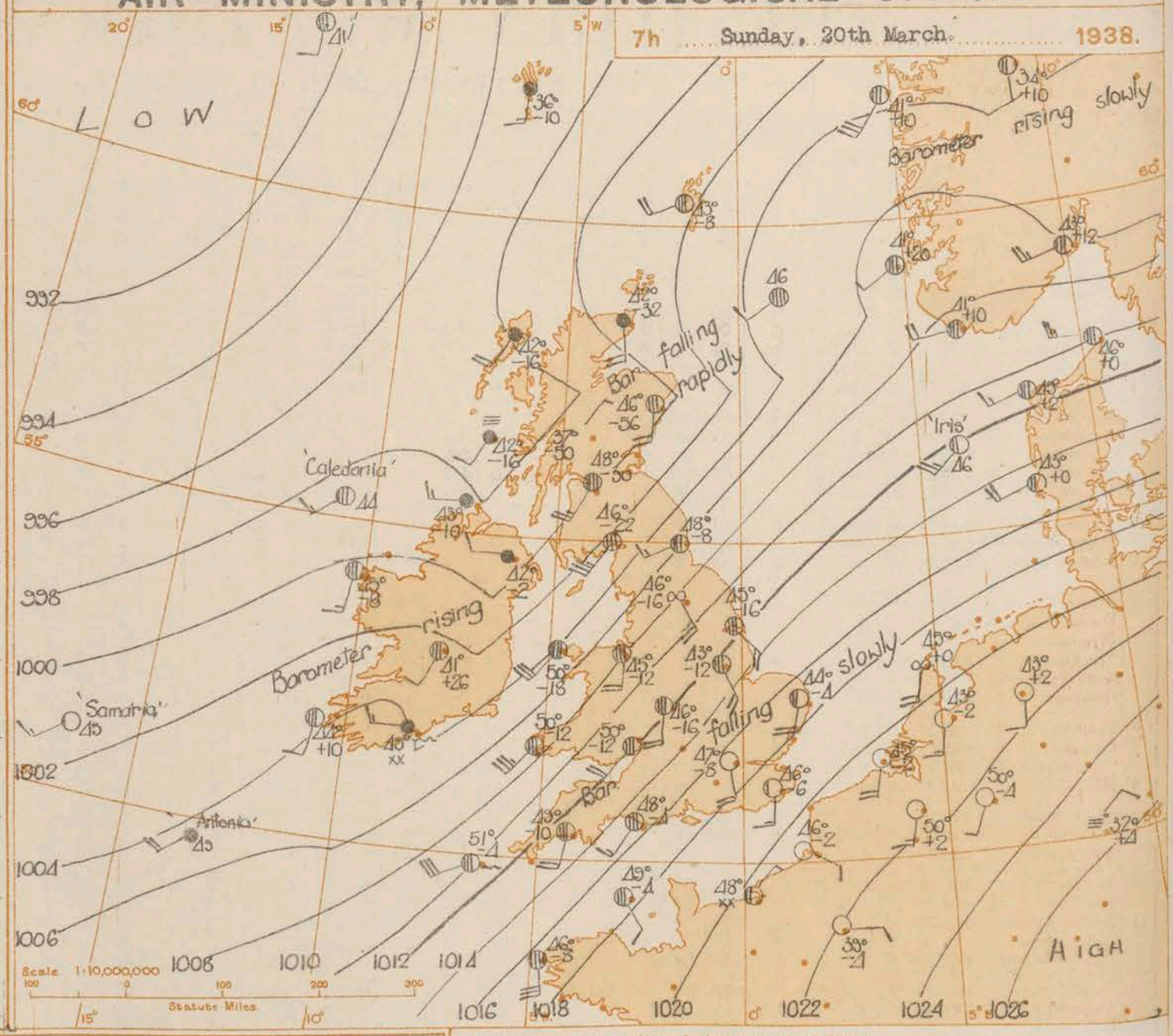
REPORTS from HEALTH RESORTS for 19th March 1938.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 18th to 9h. 19th.	Temperature (°F.) Max. 9h.—17h. 19th.	Rainfall (mm.) Night. 17h. 18th to 9h. 19th.	Rainfall (mm.) Day. 9h.—17h. 19th.	Sunshine (Hrs.) Sunrise to 17h. 19th.	Sunshine (Hrs.) Sunrise to Sunset. 18th.
1	Tunbridge W.	b	b	42	62	–	–	10·3	1·8
	Bournemouth	b	b	44	60	–	–	10·0	2·3
	Ventnor ...	b	b	45	54	–	–	9·9	3·5
	Southsea ...	b	b	45	60	–	–	10·2	2·7
	Bognor Regis	b	b	46	53	–	–	10·4	2·3
	Littlehampton	bcb	b	45	53	–	–	10·4	2·7
	Worthing ...	b	b	43	54	–	–	10·3	2·5
	Brighton ...	b	b	41	53	–	–	10·3	1·0
	Eastbourne† ...	b	bby	47	59	–	–	10·4	2·0
	Hastings† ...	b	b	45	56	–	–	10·3	1·5
	Folkestone ...	b	b	44	56	–	–	10·0	4·0
	Dover ...	b	b	45	55	–	–	10·3	3·4
	Deal	b	b	45	61	–	–	10·1	4·7
	Ramsgate ...	bc	bc	46	59	–	–	10·5	4·4
	Margate ...	b	b	45	63	–	–	10·3	3·7
2	Southend ...	b	b	45	61	Trace	–	10·0	2·5
	Clacton-on-Sea	b	b	44	[illegible]	–	–	10·3	3·0
	Dovercourt ...	bcv	bcv	45	62	–	–	10·1	5·0
	Lowestoft ...	b	bbcb	42	65	–	–	10·0	10·4
	Skegness ...	bcb	bcc	42	60	–	–	4·6	8·5
	Mablethorpe...	bcb	bcbcy	41	60	–	–	7·0	6·7
	Cleethorpes ...	bc	bcc	42	61	–	–	6·8	7·9
3	Leamington S.	c	c	44	61	–	–	3·0	4·6
4	Cheltenham†	cb	bc	44	56	–	–	3·4	3·0
5	Bath	cbcb	cbcb	47	59	–	–	5·1	3·3
	Weymouth ...	b	b	46	53	–	–	9·6	1·8
	Jersey ...	b	b	46	62	–	–	10·3	6·8
	Torquay ...	bbc	bbcyq	46	59	–	–	7·1	4·8
	Falmouth	b	b	48	58	–	–	9·4	7·9
	Penzance ...	b	b	49	56	–	–	8·7	7·5
	St. Ives ...	b	b	46	59	–	–	8·5	7·2
	Bude... ...	bc	cbc	46	59	–	–	7·6	4·6
	Ilfracombe ...	bcbc	bcbc	47	60	–	–	9·7	4·9
6	Aberystwyth	cbc	c	49	54	–	–	1·9	6·5
7	Llandudno ...	c	cbcco	51	58	–	–	1·0	2·2
	Colwyn Bay...	cbcc	cod	49	56	–	0·3	0·8	1·0
	Rhyl	c	co	51	55	–	0·2	0·0	0·6
8	Wallasey ...	c	cbc	51	56	–	Trace	0·0	0·1
	Southport ...	c	co	50	55	–	–	0·0	0·4
	Blackpool ...	co	copo	49	52	–	Trace	0·0	0·1
	Morecambe ...	c	cco	49	54	–	–	0·0	0·2
9	Ilkley... ...	bc	bc	48	57	–	–	6·9	4·2
	Harrogate ...	cbc	bcc	46	56	–	–	4·2	5·3
10	Berwick-on-T.	cb	odc	49	52	Trace	Trace	0·0	0·0
11	Dunbar ...	bcpb	cpb	47	58	0·3	Trace	3·7	2·1
12	Troon... ...	orbc	ororo	46	52	10	3	0·0	0·0
	Douglas ...	cqir	cir	47	49	Trace	1	0·0	0·0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Sunday, 20th March ..... 1938.



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. 20th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate or fresh southwest winds; fine; mild.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate to fresh southwest winds, cloudy, a period of light rain or drizzle spreading from west; mild.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W. Scotland. 14 Mid Scotland	Moderate southwest winds; bright intervals, showers; average temperature.
15 N. E. Scotland 16 Orkney and Shetland	Moderate southwest winds; rain at first; bright intervals and showers later; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate southwest winds, backing and increasing later; cloudy, local showers at first, rain later; average temperature.

GENERAL INFERENCE.

Shallow depressions continue to move northeast across the country. Weather will be fair over East and Southeast England but a belt of rain over Scotland and the Irish Sea will spread slowly eastwards and be followed by bright intervals and showers.

FURTHER OUTLOOK.

Changeable and unsettled.

Forecasts issued at 1100 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2. 3332/3426 m 8020. D 4513 9p 348 32240. 3/38.

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.

Morning of

SUNDAY, 20TH MARCH.

1938.

Lambert's Projection. Scale 1: 4X10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 600

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ◯Clear sky. ◔Sky less than 3/10 clouded. ◑Sky 4/10 to 6/10 clouded. ◕Sky 7/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✱Snow. ✱Sleet. △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, 20th March, 1938.

No. 27877.

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

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	1009·9	-10	SSE	4	b	44	85	8	-	-	1	0	1	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1021·5	-6	S'W	2	b	43	85	7	-	-	-	0	0	-
	Manston ...	142	1020·8	-6	SE'S	3	b	44	75	7	-	-	-	0	0	- -
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1018·3	0	S'W	3	b	45	65	6	-	-	-	0	0	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1017·7	-10	SSW	3	b	48	85	8	-	-	-	0	0	-
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1015·2	-16	S'E	5	bc	48	85	8	4	7	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1012·5	-24	SSW	6	c	50	85	7	5	5	3	2-3	7-8	2500
	Guernsey ...	175	1020·1	-16	S	2	b	49	85	7	-	1	-	0	1	-
6	Pembroke ...	142	1011·5	-12	SSW	7	q	49	85	7	5	7	-	7-8	9	4000
7	Holyhead ...	26	1008·3	-22	SSW	5	c	49	85	7	5	1	-	4-6	9+	4000
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1014·5	0	S'W	3	c	46	85	7	-	5	8	0	7-8	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1010·8	+6	SSW	3	0	51	92	7	5	-	-	10	10	1500
11	St. Abbs Head ...	280	1010·8	-6	SW	2	c/pr	47	85	8	-	3	-	0	10	-
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1007·5	-12	SW'S	6	o	49	97	7	-	2	-	10	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1002·0	-6	SSW	5	c	45	85	8	5	2	-	4-6	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1005·2	+2	SSW	3	c	41	97	8	5	7	-	4-6	7-8	1500
16	Lerwick ...	156	1003·0	+10	SW	4	c	43	85	8	8	7	-	7-8	9+	1500
17	Blacksod Point	18	1002·5	-20	S	4	c	45	85	7	5	-	-	10	10	1500
18	Malin Head ...	84	1003·6	-26	SSW	2	c/pr	45	92	7	5	-	-	9	9	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1003·2	-14	S	1	rr	43	97	7	9	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1016·4	-8	S	3	bc	47	75	8	-	-	6	0	4-6	-	0	*
	Croydon ...	1017·1	-8	SSE	4	bc	47	85	8	-	4	8	0	4-6	-	0	*
	S. Farnborough	1016·4	-4	S	3	c	47	75	7	-	-	2	0	7-8	-	0	*
	Boscombe Down	1016·6	-10	S'E	4	bc	45	92	7	-	4	6	0	4-6	-	1	*
	Calshot (Sthmtn.)	1015·8	-6	S	4	c	50	75	7	-	4	6	0	7-8	-	1	2
	Lympne ...	1019·3	-6	S	3	b	46	75	8	-	-	1	0	Tr	-	0	§3
	Manston ...	1018·3	-10	S'E	3	b	45	75	8	-	-	5	0	Tr	-	0	*
2	Shoeburyness...	1017·5	-10	S'W	4	bc	47	75	7	-	-	5	0	2-3	-	0	*
	Felixstowe ...	1017·8	-14	S'E	3	b	45	85	8	-	-	2	0	Tr	-	0	2
	Gorleston ...	1017·0	-4	S	4	bc	44	75	7	-	4	-	0	4-6	-	0	2
	Mildenhall ...	1015·2	-16	S'E	4	c	47	65	8	-	-	6	0	7-8	-	0	*
	Cranwell ...	1012·3	-12	SSE	4	c	43	85	7	-	7	6	0	9+	-	0	*
3	Birmingham ...	1011·4	-16	S	4	c	46	55	8	-	7	6	0	9+	-	0	*
	Upper Heyford	1014·6	-10	S'E	4	c	44	75	7	-	7	9	0	9	-	0	*
4	Ross-on-Wye	1012·4	-12	SSW	4	c	50	55	8	-	7	2	0	7-8	-	0	*
5	Bristol ...	1014·0	-16	S	3	bc	47	75	8	7	7	8	1	4-6	4000	0	*
	Portland Bill ...	1014·8	-4	SSW	3	c	48	92	8	4	4	-	7-8	9	2500	1	3
	Plymouth ...	1013·7	-10	S'E	4	c	49	85	8	-	7	9	0	7-8	-	0	3
	The Lizard ...	1012·8	-4	S	6	c	49	92	7	4	7	-	4-6	7-8	2500	0	3
	Scilly (St. Mary's)	1009·8	-4	SW	6	c	51	75	7	5	7	2	2-3	7-8	2500	0	4
	Guernsey ...	1017·7	-4	SSE	2	c	49	85	8	-	7	8	0	9	-	0	3
6	Pembroke ...	1007·5	-12	SSW	7	q	50	92	7	5	7	1	4-6	9	2500	1	4
7	Holyhead ...	1003·9	-18	SSW	6	c	50	75	8	6	7	-	4-6	10	1500	0	3
	Chester(Sealand)	1008·4	-12	S'E	4	c	47	65	7	5	-	7	4-6	9+	1500	0	*
8	Manchester ...	1009·3	"	S'E	4	c	49	55	9	5	7	2	4-6	9+	4000	1	*
10	Spurn Head ...	1012·0	-16	SSE	4	c	45	85	6	-	-	6	0	7-8	-	0	2
	Catterick ...	1007·3	-16	SSE	4	z_o	46	75	6	-	7	2	0	9	-	0	*
	Tynemouth ...	1005·7	-8	SW	3	c	48	65	7	5	3	-	4-6	7-8	1500	0	2
11	St. Abbs Head ...	1001·9	-20	S	3	c	47	85	8	9	6	-	4-6	7-8	2500	1	2
	Leuchars ...	1000·4	-20	S	4	c	48	85	7	5	2	-	7-8	10	2500	1	*
12	Renfrew (Abbotsl.)	998·8	-30	S'W	5	c/r	48	85	6	5	-	-	10	10	1500	1	*
	Eskdalemuir ...	1001·8	-22	SSW	7	c	46	65	8	5	5	6	4-6	9	2500	1	*
	Point of Ayre...	1001·6	-32	SW'S	6	c	50	85	7	8	7	-	4-6	10	1500	1	4
13A	Tiree	997·7	-16	SSW	2	dr	42	97	7	-	2	-	10	10	1500	1	2
13B	Stornoway ...	998·5	-16	SSW	4	rr	42	97	7	5	2	-	4-6	10	1500	1	2
15	Dalwhinnie ...	998·4	-50	NE	1	rr	37	92	6	6	-	-	10	10	1500	1	*
	Aberdeen ...	999·3	-56	S	4	c/r	46	92	6	6	7	-	7-8	9+	1500	1	2
	Wick ...	1000·2	-32	SSE	4	rr	42	92	7	5	2	-	9	10	1500	1	2
16	Lerwick ...	1001·9	-8	SW	4	c	43	85	8	8	7	-	4-6	7-8	1500	1	*
17	Blacksod Point	1000·6	-8	S	3	c	43	92	9	5	-	-	7-8	7-8	800	1	3
18	Malin Head ...	999·6	-10	W	3	i_o	43	85	7	9	2	-	4-6	10	1500	1	2
	Aldergrove ...	999·2	-2	W'N	2	$r_o r_o$	42	97	8	-	2	-	10	10	800	1	*
19	Birr Castle ...	1002·7	+26	SSW	1	c	41	97	8	5	2	-	7-8	10	1500	1	*
20	Valentia Obsy. †	1003·9	+10	S'E	2	c	44	92	8	9	7	1	7-8	9+	1500	1	3
	Roches Point	1005·1	*	W	3	i_o	45	97	8	6	7	-	4-6	7-8	1500	1	4

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine Hrs. (36)
1	London (Kew)	62	41	26	-	-	10·5
	Croydon ...	62	43	39	-	-	9·2
	S. Farnborough	61	41	30	-	-	10·4
	Boscombe Down	60	38	34	Tr	-	7·7
	Calshot (Sthmtn.)	56	46	41	-	-	10·7
	Lympne ...	58	41	28	-	-	10·6
	Manston ...	62	41	34	-	-	10·8
2	Shoeburyness...	62	40	27	-	-	10·5
	Felixstowe ...	59	43	35	-	-	10·3
	Gorleston ...	65	42	39	-	-	9·3
	Mildenhall ...	64	38	31	-	Tr	8·2
	Cranwell ...	59	42	36	-	-	4·4
3	Birmingham ...	59	45	42	-	-	1·6
	Upper Heyford	58	40	31	-	-	*
4	Ross-on-Wye	60	46	40	-	-	4·0
5	Bristol ...	59	45	39	-	-	4·9
	Portland Bill ...	51	46	*	-	-	*
	Plymouth ...	53	49	45	-	-	8·8
	The Lizard ...	54	47	*	-	-	10·0
	Scilly (St. Mary's)	54	49	*	-	-	9·7
	Guernsey ...	63	48	40	-	-	10·8
6	Pembroke ...	51	48	*	-	-	2·1
7	Holyhead ...	53	48	46	Tr	0·3	0·7
	Chester(Sealand)	58	46	44	Tr	-	0·0
8	Manchester ...	57	47	44	-	-	0·3
10	Spurn Head ...	61	44	*	-	-	7·6
	Catterick ...	57	46	42	Tr	Tr	2·0
	Tynemouth ...	57	48	45	-	Tr	1·8
11	St. Abbs Head ...	52	45	*	Tr	3	*
	Leuchars ...	55	44	40	2	2	0·1
12	Renfrew (Abbotsl.)	53	43	37	2	12	0·0
	Eskdalemuir ...	47	44	43	13	2	0·0
	Point of Ayre...	54	47	*	1	3	0·0
13A	Tiree	47	41	40	8	7	1·5
13B	Stornoway ...	47	41	*	1	2	0·0
15	Dalwhinnie ...	49	36	30	10	1	0·0
	Aberdeen ...	53	43	39	0·3	1	0·0
	Wick ...	49	37	*	0·4	1	*
16	Lerwick ...	52	40	*	Tr	0·6	0·8
17	Blacksod Point	53	41	*	3	3	*
18	Malin Head ...	53	41	*	3	5	1·0
	Aldergrove ...	55	42	42	0·5	7	0·0
19	Birr Castle ...	54	40	*	1	12	0·0
20	Valentia Obsy. †	52	43	40	5	14	0·0
	Roches Point	52	45	*	2	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	bc	bcb	62	41	26	-	-	10·5	*	*	7
Croydon	217	bc z_o by	bbc y	b z_o wb	62	43	39	-	-	9·2	*	*	7
Greenwich (Royal Observatory)...	149	by	by	bx	64	47	28	-	-	10·4	25	50	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	9G	*	*	*
Westminster (St James' Park) ...	27	*	*	*	64	46	37	-	-	10·3	31	53	*
Regents Pk (Botanic Gardens)‡...	168	*	*	*	65	45	35	-	-	9G	30	58	*
Camden Square	110	bmb	b	*	65	45	30	-	-	*	* 18h.	55	*
Kensington	80	bc	bc	*	64	40	31	-	-	9·8	29	55	*
Hampstead Observatory	450	bc	bc	bc	63	44	35	-	-	10·2	*	69	*

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 20th

South Kensington. Max.	Time.	Min.	Time.
40·3	whole period.		

Kew Observatory. Max.	Time.	Min.	Time.
0·1	19hrs	40·1	rest of
	19m		period

FOREIGN OBSERVATIONS

Stations	18h G.M.T. 19th March. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F	7h. G.M.T. 20th March. 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	1024·2	S	1	b	63	1022·3	E	2	b	39	68	36	-	-
Brussels	1023·7	SSW	3	b	57	1024·1	SSW	2	b	43	66	39	-	-
Berlin	1023·1	WSW	1	b	52	1021·8	S	3	b	50	64	45	-	-
Zurich	1026·0	ENE	1	b	59	1026·0	SE	1	z_o	39	68	37	-	-
Rome	1027·5	SW	1	bc	55	1027·3	E	2	c	46	*	*	-	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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METEOROLOGICAL OFFICE AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† hr observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 21st March, 1938.

No. 27878.

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

Dist.	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)	1014·0	-10	S'E	4	c	64	45	8	-	-	2	0	9	-
	Croydon ...	1015·3	-6	S	4	c	64	55	8	-	4	6	0	9+	-
	S. Farnborough	1014·1	-16	SSW	4	c	65	35	8	-	-	2	0	7-8	-
	Boscombe Down	1013·6	-10	SSW	5	c	63	45	8	-	4	2	0	7-8	-
	Calshot (Sthmtn.)	1015·3	-10	S'W	6	c	59	55	7	7	3	8	Tr	7-8	4000
	Lympne ...	1017·8	-10	SSE	3	bc	58	55	9	-	-	6	0	4-6	-
	Manston ...	1017·0	-12	S'W	4	bc	63	35	8	-	-	6	0	4-6	-
2	Shoeburyness ...	1016·0	-12	S	4	c	59	55	8	-	-	6	0	7-8	-
	Felixstowe ...	1016·1	-14	SSE	4	bc	55	65	8	-	-	6	0	4-6	-
	Gorleston ...	1015·1	-10	SE'S	5	bc	57	65	6	-	-	1	0	4-6	-
	Mildenhall ...	1013·3	-14	S	6	c	67	35	7	-	-	6	0	9	-
	Cranwell ...	1010·9	-10	SSW	6	c	63	45	8	-	7	6	0	9+	-
3	Birmingham ...	1010·4	-2	SSW	5	c	60	35	8	-	-	7	0	9+	-
	Upper Heyford	1012·6	-12	SSW	5	c	64	35	8	-	3	8	0	7-8	-
4	Ross-on-Wye	1010·9	-10	S'W	3	c	60	45	8	-	-	6	0	9	-
5	Bristol ...	1012·3	-12	SSW	5	c	60	45	8	5	7	8	2-3	7-8	4000
	Portland Bill ...	1013·4	-10	S	3	c	51	75	7	2	-	-	7-8	7-8	2500
	Plymouth ...	1012·6	-6	S'W	4	c	52	85	8	-	7	2	0	9	-
	The Lizard ...	1010·5	-8	S'E	5	c	52	85	7	5	1	-	7-8	9+	1500
	Scilly (St.Mary's)	1008·6	-14	SSW	6	c	52	85	6	5	7	-	2-3	10	1500
	Guernsey ...	1015·8	-10	S	4	c	58	55	7	-	7	8	0	7-8	-
6	Pembroke ...	1008·2	0	SSW	5	q	49	92	7	5	2	-	7-8	10	2500
7	Holyhead ...	1007·1	+14	SSW	5	r,r$_o$	47	92	7	9[1]	2	-	4-6	10	1500
	Chester(Sealand)	1006·9	+6	SW	4	c	58	55	7	5	2	-	7-8	10	2500
8	Manchester ...	1008·0	-8	SW'S	5	c	59	55	7	5	7	-	4-6	10	4000
10	Spurn Head ...	1009·8	-10	SW'S	7	c	62	35	7	5	-	7	7-8	10	2500
	Catterick ...	1006·6	+10	SSW	4	c	54	65	7	5	7	-	7-8	9+	1500
	Tynemouth ...	1004·1	+8	SW	6	q	54	65	6	8	-	-	7-8	7-8	1500
11	St. Abbs Head .	1001·9	-16	WSW	5	q	51	75	8	3	8	2	4-6	7-8	2500
	Leuchars ...	1001·8	+34	W	5	c	50	75	9	8	3	1	7-8	9	2500
12	Rentrew (Abbots L.)	1003·4	+34	WSW	4	c	48	85	9	8	-	-	9+	9+	1500
	Eskdalemuir ...	1004·3	+26	SW	5	c	45	85	8	5	-	-	10	10	1500
	Point of Ayre...	1006·5	+32	W'S	4	c	47	85	8	4	7	-	1	10	2500
13A	Tiree	1001·6	+24	W'N	4	c	44	85	9	5	7	-	9	10	1500
13B	Stornoway ...	9988·9	+8	WSW	4	c/pr	45	85	8	5	7	-	7-8	10	2500
15	Dalwhinnie ...	1000·8	+18	S	5	c	43	75	7	4	2	2	4-6	10	2500
	Aberdeen ...	9988·8	+4	SW	4	bc	55	65	8	8	-	9	4-6	4-6	2500
	Wick ...	996·3	+20	W	4	c	47	75	8	8	7	-	7-8	9	1500
16	Lerwick ...	9939	-60	E	4	rr	45	97	6	6	2	-	9	10	800
17	Blacksod Point	1001·9	+10	S	3	c	49	75	9	5	-	7	4-6	7-8	2500
18	Malin Head ...	1002·4	+16	W	3	c	47	85	8	2	6	-	4-6	7-8	5700
	Aldergrove ...	1004·8	+14	SW'S	4	c	47	75	9	5	-	-	10	10	1500
19	Birr Castle ...	1004·4	-2	SW	2	c	51	75	8	8	2	-	7-8	10	1500
20	Valentia Obsy. †	1003·7	-8	SSW	5	c	51	75	8	8	1	-	4-6	10	2500
	Roches Point	1005·9	*	SW	4	ir	48	92	8	6	2	-	7-8	10	1500

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

Dist.	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)	1012·4	-6	SSW	3	z$_o$	60	45	6	-	7	8	0	9	-	0	*
	Croydon ...	1013·1	-10	S'E	2	c	59	55	6	-	4	2	0	7-8	-	0	*
	S. Farnborough	1012·0	-6	SW'S	4	c	58	45	7	-	-	2	0	7-8	-	0	*
	Boscombe Down	1011·7	-4	S'W	3	bc	53	55	8	-	4	2	0	4-6	-	0	*
	Calshot (Sthmtn.)	1013·2	-10	SSW	4	bc	53	79	7	-	4	6	0	4-6	-	1	2
	Lympne ...	1014·5	-14	SSE	3	c	53	55	8	-	-	6	0	9	-	0	$1
	Manston ...	1014·0	-10	SSW	4	bc	53	45	7	-	-	6	0	2-3	-	0	*
2	Shoeburyness ...	1013·4	-12	S	3	c	53	75	7	-	-	6	0	9	-	0	*
	Felixstowe ...	1013·9	-8	SSE	3	c	50	75	8	-	1	6	0	7-8	-	0	2
	Gorleston ...	1013·0	-4	S'E	4	c	58	75	6	-	7	-	0	7-8	-	0	2
	Mildenhall ...	1011·4	-2	S'E	4	c	62	45	8	-	4	9	0	7-8	-	0	*
	Cranwell ...	1009·0	-6	S	5	c	60	45	8	-	7	5	0	9	-	0	*
3	Birmingham ...	1008·2	-2	S	4	c	57	45	8	-	7	6	0	9	-	0	*
	Upper Heyford	1011·1	0	SSW	4	c	57	45	8	-	4	8	0	7-8	-	0	*
4	Ross-on-Wye	1009·0	-6	S	4	bc	55	55	7	-	7	2	0	4-6	-	0	*
5	Bristol ...	1010·5	-6	S	4	c	54	65	8	6	7	8	4-6	7-8	4000	0	*
	Portland Bill ...	1011·8	-2	S	3	c	49	85	7	4	4	-	4-6	7-8	2500	1	3
	Plymouth ...	1009·9	-8	SSW	6	c	51	85	8	2	7	2	Tr	9	2500	0	3
	The Lizard ...	1007·8	-10	S'E	6	c	51	85	7	8	6	-	4-6	7-8	2500	0	3
	Scilly (St.Mary's)	1005·5	-6	SSW	7	c	51	85	7	5	7	-	4-6	9+	1500	1	4
	Guernsey ...	1015·3	-6	S	3	c	57	65	7	-	2	8	0	7-8	-	0	3
6	Pembroke ...	1008·2	-12	SSW	6	q	49	97	6	5	2	-	7-8	10	1500	1	4
7	Holyhead ...	1004·8	-16	S'E	1	rr	48	97	6	6	2	-	7-8	10	450	1	4
	Chester(Sealand)	1006·5	-6	SSW	4	c	57	55	7	8	2	-	7-8	10	2500	0	*
8	Manchester ...	1006·2	-4	SSW	4	c	59	45	7	5	7	-	4-6	9+	2500	1	*
10	Spurn Head ...	1008·2	-20	S'W	5	c	57	53	7	-	1	7	0	10	-	0	2
	Catterick ...	1006·7	+4	S'W	1	c	48	85	8	5	7	-	7-8	9+	1500	0	*
	Tynemouth ...	1006·4	+6	W	1	ir$_o$	50	75	6	-	2	-	10	10	800	1	1
11	St. Abbs Head .	1004·9	+8	WSW	5	c	47	75	8	5	6	-	4-6	10	2500	0	2
	Leuchars ...	1004·3	+8	WSW	4	c	46	85	7	8	2	-	2-3	10	2500	1	*
12	Rentrew (Abbots L.)	1004·6	+6	SW	1	c	47	85	7	5	2	-	2-3	10	4000	1	*
	Eskdalemuir ...	1005·7	+8	SSW	3	ir$_o$	42	92	7	6	2	-	10	10	800	1	*
	Point of Ayre...	1005·3	-8	S	2	r,r$_o$	45	97	7	6	2	-	4-6	10	1500	1	2
13A	Tiree	1002·2	+4	SW'W	1	c	43	85	8	5	2	-	1	9+	1500	1	3
13B	Stornoway ...	1000·7	+10	WSW	4	bc	44	65	8	1	4	6	2-3	4-6	2500	1	2
15	Dalwhinnie ...	1004·0	+12	SSW	3	c	40	85	7	4	6	7	4-6	10	2500	0	*
	Aberdeen ...	1003·3	+30	SW'S	3	c	49	75	7	4	2	-	1	9+	2500	1	2
	Wick ...	1001·3	+20	WNW	3	c	45	75	8	8	4	-	4-6	7-8	1500	1	1
16	Lerwick ...	996·6	+30	WSW	5	c/pr	42	85	8	8	7	-	4-6	7-8	1500	1	*
17	Blacksod Point	1001·4	-2	WSW	3	c	47	75	9	9	-	-	7-8	7-8	800	1	3
18	Malin Head ...	1002·0	-2	NW	2	c|p	45	97	8	3	-	-	9	9	4000	1	2
	Aldergrove ...	1003·2	-8	SE	3	c/r	46	85	8	5	2	-	4-6	10	1500	1	*
19	Birr Castle ...	1003·2	-6	SSW	1	c	47	85	8	5	2	-	4-6	10	1500	1	*
20	Valentia Obsy. †	1002·2	-10	S	3	c/pr	47	85	8	9	2	-	7-8	9+	1500	1	3
	Roches Point	1003·5	*	SW	4	ir$_o$	47	92	8	6	2	-	7-8	10	1500	1	4

PAST 24 HOURS.

Dist.	Stations.	Weather. 7h.–13h. 20th (37)	Weather. 13h.–18h. 20th (38)	Weather. 18h. 20th to 1h. 21st. (39)	Weather. 1h.–7h. 21st. (40)
1	London (Kew)	bccy	cyz$_o$	c,yz$_o$bc	bc
	Croydon ...	bcc●y	cy	cybcb	bc
	S. Farnborough	bccy	cbcy	bcyb	bbc
	Boscombe Down	bcy	bcy	bcybc	bcc
	Calshot (Sthmtn.)	bccbcy	bcy	bcb	bbc
	Lympne ...	bbcy	bccy	cybc	bc
	Manston ...	bbcy	bccy	bcybc	bcc
2	Shoeburyness ...	bwbcy	bcy●bc	cbw	bwbc
	Felixstowe ...	bbc	bccbc	bccbc	bcc
	Gorleston ...	bczcy	bccz$_o$	cbcc	cbcc
	Mildenhall ...	bccy	cy	c,ybc	bcc
	Cranwell ...	cy	cy	cy,b	c
3	Birmingham ...	c	c	cbc	bcc
	Upper Heyford	bc	cbc	bc	bcm$_o$
4	Ross-on-Wye	bcycy	bcyy	bc	bcc
5	Bristol ...	bccy	cybc	bccbc	bcc
	Portland Bill ...	c	c	bcc	c
	Plymouth ...	bcc	c	c	cm$_o$
	The Lizard ...	c	cbcc	cc	ocpr
	Scilly (St.Mary's)	cpc	cpc	ch,ir	cirq,ir$_o$
	Guernsey ...	cbcc	c	cbcc	c
6	Pembroke ...	qpr$_o$c	cqm$_o$c	oqprc	rrlm$_c$
7	Holyhead ...	ir$_o$r$_o$r$_o$c	r$_o$r$_o$rm$_o$c	rrRm$_o$c	rr$_o$rrc
	Chester(Sealand)	ccy	cy	c	cor$_o$m$_o$
8	Manchester ...	cpr$_o$c	cyz$_o$q	cyc	c
10	Spurn Head ...	gq	c	c	c
	Catterick ...	cm$_o$c	cir$_o$c	c	orr
	Tynemouth ...	coq	cqp$_o$ir$_o$	oir$_o$bc	bcoir$_o$
11	St. Abbs Head .	cq	c	rrc	crrc
	Leuchars ...	cq,r$_o$cq	cq$_o$c	cdd$_o$r$_o$	crr,id$_o$
12	Rentrew (Abbots L.)	r$_o$c,r$_o$c	c	cir$_o$rr	crvir$_o$
	Eskdalemuir ...	orrr,r$_o$c	cbcoir$_o$c	cvr	orrv,v$_o$
	Point of Ayre...	cir$_o$	cr$_o$r$_o$	rrd$_o$d	rrr$_o$r
13A	Tiree	DriR	c	c	cirbc
13B	Stornoway ...	cr$_o$cpr	cbcpr	bc	bc
15	Dalwhinnie ...	cRrc	cir	*	crr
	Aberdeen ...	cr$_o$bc	bcycy	c	cr$_o$r$_o$
	Wick ...	crprc	c	cbac	c
16	Lerwick ...	crrm$_o$	crrpr	cbcpr	bcc
17	Blacksod Point	bc	PRc	pr$_o$c	bc
18	Malin Head ...	c	c	cl$_o$Rc	cprc
	Aldergrove ...	cr$_o$r$_o$c	cr$_o$c	crr	cr$_o$m$_o$
19	Birr Castle ...	c	c	cpr	cpr
20	Valentia Obsy. †	cprc	phrpr$_o$c	pr	cprir
	Roches Point	cir	cir$_o$	irr	circ

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).
⊕, Solar halo. ◑ lunar halo. gale.
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 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).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 . . Ground covered with thawing snow.
7 . . ,, 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.

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.*

[1] Sea disturbance reported from Dungeness.

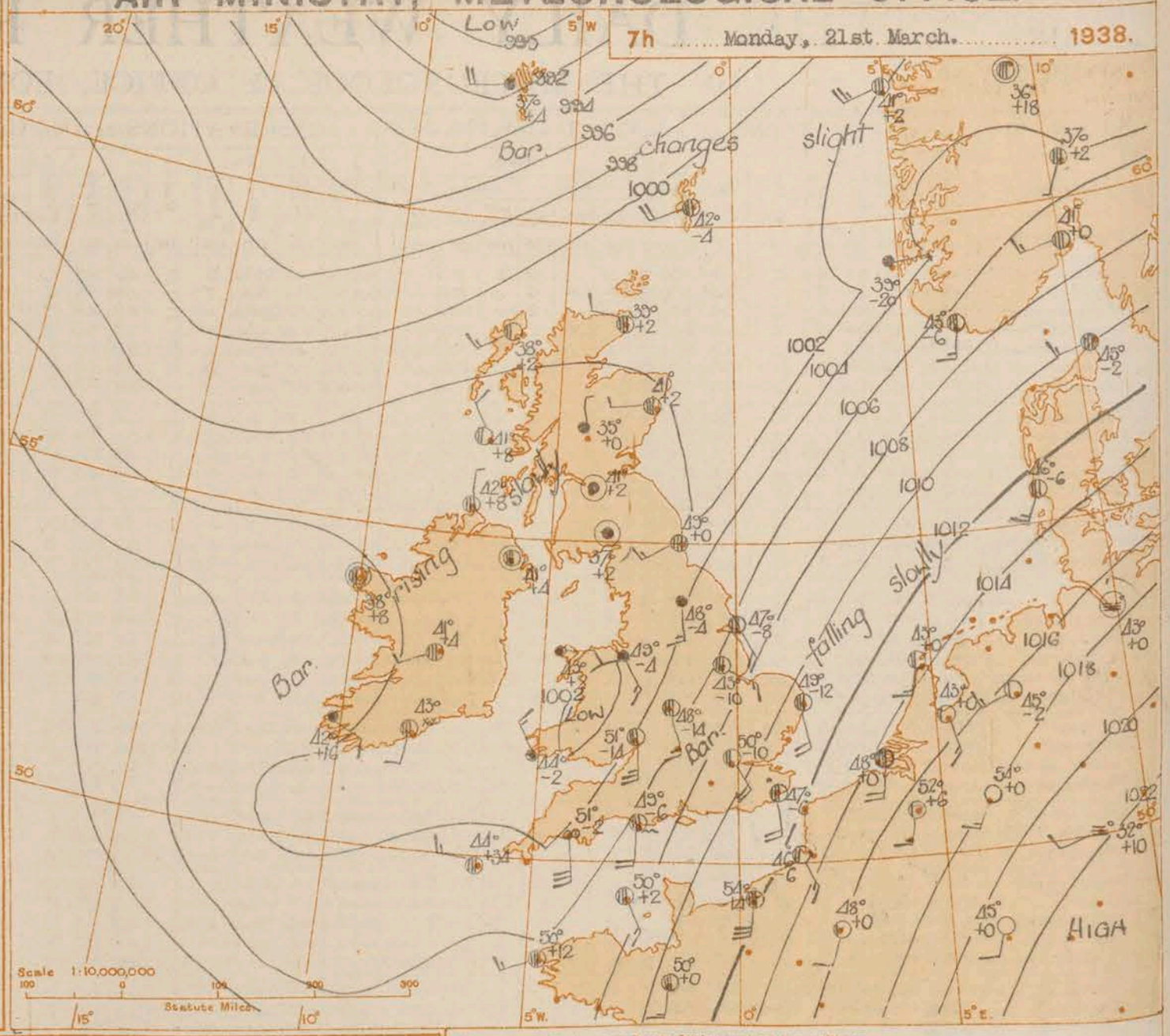
REPORTS from HEALTH RESORTS for 20th March, 1938.

Districts.	Stations.	Weather		Temperature. (°F.)		Rainfall. (mm.)		Sunshine. (Hrs.)	
		Fore-noon.	After-noon.	Min. 9h. 19th to 9h. 20th	Max. 9h.—17h. 20th	Night. 17h. 19th to 9h. 20th	Day. 9h.—17h. 20th	Sunrise to 17h. 20th	Sunrise to Sunset. 19th.
1	Tunbridge W.	b	bbcb	35	66	-	-	9·4	10·6
	Bournemouth	b	b	45	60	-	-	8·6	10·4
	Ventnor ...	cbc	b	46	59	-	-	9·4	10·5
	Southsea ...	cb	b	46	63	-	-	9·1	10·6
	Bognor Regis	bcb	bbc	47	53	-	-	9·9	10·7
	Littlehampton	bcb	bbc	47	54	-	-	10·2	11·1
	Worthing ...	b	b	44	54	-	-	9·9	11·0
	Brighton ...	b	b	44	56	-	-	10·0	10·8
	Eastbourne† ...	b	bbcy	47	60	-	-	10·1	11·0
	Hastings† ...	bbc	bc	43	56	-	-	10·1	10·8
	Folkestone ...	b	bbc	37	59	-	-	9·0	10·2
	Dover ...	yb	bbcy	41	60	-	-	9·5	10·7
	Deal	b	bbc	43	66	-	-	9·2	10·5
	Ramsgate ...	bc	bc	46	64	-	-	9·3	10·8
	Margate ...	b	bc	45	67	-	-	9·3	10·6
2	Southend ...	b	bbcc	42	63	Trace	-	8·2	10·3
	Clacton-on-Sea	bc	bc	44	55	-	-	9·0	10·9
	Dovercourt ...	bcv	bc	43	59	-	-	8·3	10·2
	Lowestoft ...	b	bbc	42	55	-	-	9·9	10·3
	Skegness ...	bc	bc	43	64	-	-	4·0	4·6
	Mablethorpe...	bcbbc	bccy	41	66	-	-	5·9	7·0
	Cleethorpes ...	bcc	bcc	40	65	-	-	1·3	6·8
3	Leamington S.	c	c	45	65	-	-	3·4	3·0
4	Cheltenham†	bq	bbcq	46	61	-	-	7·6	3·4
5	Bath	cbcb	bcc	41	63	-	-	3·4	5·1
	Weymouth ...	cb	b	46	56	-	-	8·0	9·6
	Jersey ...	bcb	bbc	47	59	-	-	8·2	10·9
	Torquay ...	bcb	bbc	49	59	-	-	8·3	7·3
	Falmouth	c	c	48	57	-	-	4·7	9·7
	Penzance ...	bcc	cbccq	49	54	-	-	4·1	9·3
	St. Ives ...	b	b	44	59	-	-	3·6	8·9
	Bude... ...	bc	c	48	59	-	-	2·6	7·7
	Ilfracombe ...	cbc	cbc	48	61	-	-	3·3	9·7
6	Aberystwyth	c	c	50	55	-	-	0·0	1·9
7	Llandudno ...	cir	rir	51	54	Trace	5	0·0	1·0
	Colwyn Bay...	cdodo	rorro	48	53	1	3	0·0	0·8
	Rhyl	cdd.	crr	50	56	1	3	0·1	0·0
8	Wallasey ...	c	cpc	48	56	-	Trace	0·0	0·0
	Southport ...	co	ro	47	55	-	1	0·0	0·0
	Blackpool ...	op.	orr	48	53	Trace	3	0·0	0·0
	Morecambe ...	ccirc	ciror	46	52	1	3	0·0	0·0
9	Ilkley... ...	c	cbc	47	59	-	-	0·6	6·9
	Harrogate ...	c	cbc	41	60	-	-	1·8	4·2
10	Berwick-on-T.	oc	co	46	53	1	-	0·5	0·0
11	Dunbar ...	cbm.	bc	45	56	-	-	1·6	3·7
12	Troon... ...	raco	co	44	49	8	-	0·0	0·0
	Douglas ...	cirq	cir.	47	48	7	1	0·0	0·0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Monday, 21st March. ..... 1938.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate to fresh southerly winds, veering; cloudy periods with slight local rain; rather warm today, cooler tomorrow.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Light to moderate variable winds; occasional rain or drizzle at first, fairer later; average temperature.
8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Light to moderate variable winds; occasional rain today, mainly fair tomorrow; slight tendency for local thunder today; cooler than of late.
13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate west to northwest winds; bright periods, local showers; average temperature.

H.M Stationery Office Press, Kingsway W.C.2 2332/3428 m 8020. 8 4512 ½ 348 19240. 3/38.

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 trough of low pressure extending southwestwards across the British Isles is moving slowly eastwards. Bright periods will occur in Northwest Scotland, Ireland and Southeast England but elsewhere it will be cloudy with rain at times in most places.

FURTHER OUTLOOK.

None issued.

Forecasts issued at 1010 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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.

Morning of

MONDAY, 21ST MARCH.

1938.

Lambert's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ◯Clear sky. ◔Sky less than 3/10 clouded. ◑Sky 4/10 to 6/10 clouded. ◕Sky 7/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✱Snow. ✱Sleet. △Hail ≡Fog. ≡Mist. (ξ)Thunder. ξ 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, 21st March, 1938.

No. 27878.

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

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	-6	9E	3	bc	50	75	7	-	-	6	0	4-6	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1014·2	-6	SW5	2	bc	49	75	7	-	7	8	0	4-6	-
	Manston ...	142	1013·4	-6	SW5	2	bc	49	65	7	-	7	8	0	4-6	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1012·1	-4	S'E	3	c	49	75	7	5	-	-	3+	9+	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1009·0	-18	S	3	c	47	85	8	4	4	-	7-8	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1005·3	-18	SE'S	5	o	50	85	7	5	-	-	10	10	1500
	Scilly (St. Mary's)	162	1005·0	-12	SW5	5	ir	48	97	6	3	7	-	10	10	1500
	Guernsey ...	175	1011·2	-26	SES	3	c	50	85	6	-	1	-	0	10	-
6	Pembroke ...	142	1008·1	-6	SSW	6	c/pr	49	92	7	5	2	-	7-8	10	2500
7	Holyhead ...	26	1002·8	-10	NW'W	3	r r	44	97	7	6	2	-	7-8	9/10	450
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1007·4	-6	SSW	5	c	49	75	7	5	-	-	9+	9+	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1009·2	-24	N	2	bc/r	45	92	7	5	-	-	4-6	4-6	1500
11	St Abbs Head ...	280	1009·6	-20	SSW	2	rr	41	97	7	3	2	-	4-6	10	1500
	Leuchars ...	38	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1003·3	-16	NE'E	1	id	49	97	8	-	2	-	10	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1001·3	-2	WNW	2	bc	38	85	8	5	-	-	4-6	4-6	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1002·1	-6	W	3	c	39	86	8	5	1	-	4-6	7-8	1500
16	Lerwick ...	156	1000·5	+8	WSW	4	bc	42	85	8	5	-	-	2-3	2-3	1500
17	Blacksod Point	18	1002·4	+10	W	2	bc	39	92	9	4	-	-	2-3	2-3	2500
18	Malin Head ...	84	1001·7	-2	S	1	c/r	43	92	7	3·	-	-	9+	9+	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1002·0	-2	S	3	c	49	87	8	8	-	-	7-8	7-8	1500
	Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1008·5	-12	S	4	bc	51	65	7	-	4	8	0	4-6	-	0	*
1009·4	-10	SSE	4	bc	50	75	7	-	4	8	0	4-6	-	0	*
1008·3	-4	S'E	4	bc	49	75	7	-	5	9	0	4-6	-	0	*
1006·8	-16	S	5	c	49	95	7	5	8	6	2-3	9	2500	0	*
1008·5	-10	SSE	6	bc	52	75	7	-	5	1	0	4-6	-	1	3
1011·9	-6	S'E	4	c	47	75	7	7	4	6	1	7-8	7500	0	2
1011·0	-10	S	3	c	51	65	8	-	-	8	0	7-8	-	0	*
1010·4	-8	S	4	c	49	75	7	2	7	2	Tr	7-8	2500	0	*
1010·8	-10	SE'S	4	c	48	75	8	-	7	6	0	9	-	0	3
1009·8	-12	SSE	4	c	49	75	6	5	7	-	4-6	9	2500	0	2
1008·0	-12	S'E	5	c	51	76	7	-	5	6	0	9	-	0	*
1006·2	-10	SES	3	c	43	86	7	-	7	-	0	9+	-	0	*
1004·3	-14	SSE	3	c	48	75	8	-	7	2	0	9	-	0	*
1006·9	-12	SSW	4	c	47	75	6	-	8	8	0	9	-	0	*
1003·5	-14	S	5	c	51	65	7	5	7	-	1	10	2500	0	*
1005·3	-18	E	3	c	49	75	7	5	7	1	4-6	7-8	1500	0	*
1006·2	-6	S	4	c	49	92	7	5	-	-	10	10	2500	1	4
1004·0	-2	S	6	c	51	85	6	5	7	3	2-3	9+	1500	0	3
1005·0	+20	WSW	5	pr	46	92	7	8	-	-	10	10	1500	1	3
1005·3	+34	W'N	3	c	44	92	8	8	7	-	4-6	9+	1500	1	2
1008·6	+2	SSE	3	c	50	86	7	5	2	-	7-8	10	2500	0	2
1002·9	-2	NNW	3	r r	44	92	6	8	2	-	4-6	10	1500	1	2
1002·5	+2	E	2	r r	43	92	8	6	2	-	4-6	10	1500	1	1
1003·3	-4	SE'S	3	c c	49	75	6	6	2	-	4-6	10	1500	1	*
1003·3	-4	S	3	c c	51	65	7	5	7	-	7-8	10	2500	1	*
1006·0	-8	SSE	4	c	47	85	6	5	-	-	10	10	2500	0	3
1002·7	-4	S'E	3	r r	43	85	6	-	2	-	0	10	-	1	*
1002·1	0	SW	3	c/r	49	75	6	-	2	-	10	10	1500	1	1
1002·2	-6	W	1	rr	40	97	7	3	2	-	7-8	10	1500	1	2
1002·6	+2	-	0	id	41	97	7	5	2	-	9+	10	4000	1	*
1003·6	+2	-	0	ir	41	97	5	5	-	-	10	10	1500	1	*
1002·6	+2	-	0	r r	37	97	8	-	2	-	10	10	1500	1	*
1002·7	-2	SW	1	r r	42	97	8	2	2	-	Tr	10	1500	1	1
1002·8	+8	NNW	2	bc	41	92	8	8	3	-	2-3	4-6	2500	1	2
1001·7	+2	SW	3	bc	38	85	8	6	4	-	4-6	4-6	2500	1	1
*	0	N	1	rr	35	97	7	5	-	-	10	10	1500	1	*
1002·3	+2	W	1	c/r	41	97	6	5	7	-	7-8	9+	2500	1	2
1001·5	+2	WNW	2	c	39	85	8	5	2	-	7-8	9+	1500	1	1
1000·1	-4	SW	4	c	42	86	8	8	7	9	4-6	7-8	1500	1	*
1004·1	+8	-	0	bc	38	92	9	4	-	-	4-6	4-6	2500	1	3
1003·1	+8	N	1	c/pr	42	92	8	8	6	-	4-6	7-8	2500	1	1
1003·0	+4	-	0	fg	41	97	6	5	-	1	4-6	7-8	1500	1	*
1002·8	+4	SW	1	c/pr	41	97	8	8	7	-	7-8	9+	1500	1	*
1004·3	+16	SE	2	ir	42	92	7	9	-	-	9+	9+	1500	1	3
1003·8	*	S	2	c	43	92	8	5	7	9	4-6	7-8	1500	1	3

PAST 24 HOURS.

District	Stations.	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F. (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h ins. (34)	Rainfall. Night 18h–7h ins. (35)	Sunshine 20th Hrs. (36)
1	London (Kew)	65	48	34	-	-	7·7
	Croydon ...	65	47	40	-	-	6·4
	S. Farnborough	65	45	38	-	-	8·5
	Boscombe Down	63	42	35	-	-	6·3
	Calshot (Sthmtn.)	59	47	42	-	-	10·0
	Lympne ...	59	46	38	-	-	9·3
	Manston ...	66	46	42	-	-	9·2
2	Shoeburyness...	61	47	35	-	-	8·5
	Felixstowe ...	56	46	38	-	-	8·3
	Gorleston ...	61	45	44	-	-	9·0
	Mildenhall ...	68	44	39	-	-	7·3
	Cranwell ...	65	43	38	-	-	1·3
3	Birmingham ...	62	46	42	-	-	4·1
	Upper Heyford	66	46	39	-	-	*
4	Ross-on-Wye	63	50	44	-	-	7·6
5	Bristol ...	61	47	44	-	-	1·8
	Portland Bill ...	52	46	*	-	-	*
	Plymouth ...	53	50	47	-	-	4·1
	The Lizard ...	53	45	*	-	0·1	3·7
	Scilly (St. Mary's)	53	44	*	Tr	6	0·5
	Guernsey ...	61	49	43	-	-	6·8
6	Pembroke ...	50	43	*	0·1	8	0·0
7	Holyhead ...	51	42	42	5	19	0·0
	Chester(Sealand)	61	49	45	-	0·1	0·2
8	Manchester ...	61	49	47	Tr	-	0·1
10	Spurn Head ...	64	47	*	-	-	1·0
	Catterick ...	55	46	42	Tr	0·1	1·0
	Tynemouth ...	56	44	41	Tr	1	0·2
11	St Abbs Head ...	52	40	*	-	9	*
	Leuchars ...	52	40	35	Tr	2	2·7
12	Renfrew (Abbots L.)	50	41	40	0·5	4	0·2
	Eskdalemuir ...	47	35	35	3	12	0·8
	Point of Ayre...	50	41	*	1	15	0·0
13A	Tiree	46	37	31	2	1	0·1
13B	Stornoway ...	47	35	*	4	-	4·3
15	Dalwhinnie ...	46	35	33	3	2	2·7
	Aberdeen ...	58	41	35	Tr	0·6	9·2
	Wick ...	50	36	*	4	-	*
16	Lerwick ...	46	41	*	5	0·6	0·2
17	Blacksod Point	50	35	*	2	Tr	*
18	Malin Head ...	49	40	*	0·4	4	0·7
	Aldergrove ...	48	40	37	Tr	7	0·1
19	Birr Castle ...	51	41	*	-	4	1·5
20	Valentia Obsy. †	51	42	38	1	4	0·8
	Roches Point	49	41	*	1	7	*

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. 18h. G.M.T. % (Yesterday)	Humidity. 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	bccy	cyz.	cyzbc	65	48	34	-	-	7·7	*	*	7
Croydon	217	bccby	cyz.	cybcb	65	47	40	-	-	6·4	*	*	7
Greenwich (Royal Observatory) ...	149	by.	cyz.	cbcy	66	47	34	-	-	6·9	53	51	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6·7	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	66	52	40	—		7·2	55	51	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	67	50	44	-	-	6·7	41	59	*
Camden Square	110	bc	bc	*	68	51	30	-	-	*	*	51	*
Kensington	80	bc	bc	*	67	49	*	-	-	7·6	At 19h. 56	52	*
Hampstead Observatory	450	bc	bc	bc	65	48	40	-	-	7·8	*	73	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 21st

South Kensington

Max.	Time.	Min.	Time.
0·3	12-20h 20+h	40·3	2·4 h 21st

Kew Observatory

Max.	Time.	Min.	Time.
0·2	22 h 20+h	<0·1	0-7 h 21st

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 20th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 21st March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1017·4	SW	2	bc	68	1016·5	S	2	b	48
Brussels						1016·2	S	3	b	52
Berlin	1020·4	S	2	b	57	1019·7	SSE	2	2	43
Zurich	1023·4	WNW	1	bc	59	1023·5	SE	1	m	41
Rome	1024·2	NW	2	c	54					

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
72	45	-	-
	46		-
68	39	-	-
68	39	-	-

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 3, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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METEOROLOGICAL OFFICE AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S. Director.

† The observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‡ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 22nd March, 1938.

No. 27879.

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

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)	1009·3	+2	SSW	4	c	60	65	8	1	-	6	Tr	9	4000
	Croydon ...	1009·7	+2	S'E	4	c	61	55	8	1	4	5	Tr	7-8	4000
	S. Farnborough	1009·4	+4	SW	5	c	59	65	7	7	7	-	7-8	9	2500
	Boscombe Down	1009·0	+10	SW'S	4	c	52	85	8	8	2	-	7-8	10	1500
	Calshot (Sthmtn.)	1010·4	+10	SSW	4	c	54	85	7	5	7	-	1	9	~~4000~~ 2500
	Lympne ...	1012·1	+2	S	4	bc	55	65	8	-	4	9	0	2-3	
	Manston ...	1010·3	-6	SSW	5	bc	60	45	8	-	-	8	0	4-6	-
2	Shoeburyness ...	1010·0	0	S	4	bc	59	55	8	-	4	8	0	4-6	-
	Felixstowe ...	1009·7	-8	S'W	4	c	53	65	8	-	-	7	0	9	-
	Gorleston ...	1008·9	-4	SE'S	5	c	56	65	6	-	7	1	0	7-8	-
	Mildenhall ...	1007·2	-4	SW	5	z$_o$	64	55	6	-	7	6	0	9	-
	Cranwell ...	1005·5	-2	S	6	c	60	~~97~~ 60	7	5	7	-	4-6	9+	1500
3	Birmingham ...	1005·9	+10	SSW	4	c	55	65	8	8	-	-	7-8	7-8	2500
	Upper Heyford	1007·7	+6	SW'S	5	c	56	65	7	7	3	8	7-8	9+	2500
4	Ross-on-Wye	1007·1	+24	SW	4	c	54	65	8	7	-	2	1	7-8	4000
5	Bristol ...	1008·2	+16	WSW	4	c	52	75	8	8	7	9	4-6	7-8	1500
	Portland Bill ...	1009·3	+10	SW	4	c	48	85	7	4	7	-	7-8	10	2500
	Plymouth ...	1008·8	+16	SW'S	3	c	53	75	8	8	7	-	2-3	7-8	2500
	The Lizard ...	1009·3	+16	W'S	1	bc	52	75	8	8	6	-	4-6	4-6	1500
	Scilly (St. Mary's)	1009·1	+18	SWW	3	c	51	85	9	8	4	4	4-6	9	1500
	Guernsey ...	1009·9	+6	SW	2	c	56	75	7	8	2	-	4-6	7-8	2500
6	Pembroke ...	1008·4	+16	W	2	bc	48	85	8	8	4	-	2-3	4-6	2500
7	Holyhead ...	1006·6	+26	NW	3	bc	47	85	8	2	-	~~4~~ 5	4-6	4-6	2500
	Chester (Sealand)	1007·0	+26	NWN	3	d$_o$d$_o$	45	92	6	6	2	-	7-8	10	800
8	Manchester ...	1005·6	+18	WNW	3	ir$_o$	46	92	5	5	2	-	7-8	10	1500
10	Spurn Head ...	1004·9	0	SWS	5	c	60	65	6	5	-	-	10	10	4000
	Catterick ...	1004·6	+14	SW	3	z$_o$	49	85	5	6	-	-	10	10	1500
	Tynemouth ...	1005·1	+16	NNE	2	o	44	97	7	-	2	-	10	10	800
11	St Abbs Head	1005·5	+16	NW	1	c	45	85	7	3	7	9	2-3	9	1500
12	Leuchars ...	1004·8	+10	W	2	c	48	75	8	8	-	-	7-8	7-8	2500
	Renfrew (Abbotsl.)	1005·4	+12	NWN	3	bc	49	85	9	8	-	-	4-6	4-6	2500
	Eskdalemuir ...	1005·3	+14	WNW	2	c	45	85	9	5	-	-	9	9	2500
	Point of Ayre ...	1006·5	+14	NW	3	bc	50	85	8	2	8	-	1	2-3	1500
13A	Tiree	1006·5	+16	WN	2	b	50	65	9	4	-	-	1	1	4000
13B	Stornoway ...	1004·6	+10	W	3	bc	48	75	9	7	-	-	4-6	4-6	4000
15	Dalwhinnie ...	1005·5	+8	SW	2	bc	46	65	8	4	6	-	2-3	2-3	4000
	Aberdeen ...	1004·8	+10	NWN	2	c	46	75	8	8	-	-	9+	9+	2500
	Wick ...	1003·3	+16	WNW	3	bc	48	55	8	7	6	-	4-6	4-6	1500
16	Lerwick ...	1000·0	-4	SW	6	bc/pr	45	75	8	8	-	-	4-6	4-6	1500
17	Blacksod Point	1008·1	+12	NE	3	bc	48	75	9	3	-	-	4-6	4-6	4000
18	Malin Head ...	1007·0	+8	N	1	bc	47	85	8	2	4	-	2-3	4-6	2500
	Aldergrove ...	1006·8	+14	W	1	c	50	65	8	2	3	-	2-3	7-8	2500
19	Birr Castle ...	1007·3	+18	NW	1	c	49	85	8	8	-	-	7-8	7-8	1500
20	Valentia Obsy. †	1008·3	+24	NW	3	j/p	49	75	9	8	3	-	2-3	2-3	2500
	Roches Point	1008·0	*	SW	2	bc	53	75	9	3	-	3	2-3	4-6	1500

OBSERVATIONS at 18h. G.M.T. 21st March

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)	1011·5	+20	SW	3	z$_o$	55	75	6	5	-	-	9+	9+	2500	0	*
	Croydon ...	1011·6	+18	SSW	2	z$_o$	55	75	6	1	3	3	Tr	7-8	4000	0	*
	S. Farnborough	1011·4	+12	SW'S	2	c/pr	52	75	7	5	7	-	7-8	9+	2500	0	*
	Boscombe Down	1011·5	+16	NW	1	c/r	49	85	6	5	-	-	9+	9+	1500	1	*
	Calshot (Sthmtn.)	1012·1	+14	SSW	2	c/r	49	85	8	5	7	8	4-6	9+	2500	1	2
	Lympne ...	1012·8	+12	WSW	3	c	52	75	7	-	7	6	0	9	-	0	§ 1
	Manston ...	1012·0	+14	SW	3	c	54	65	7	-	7	8	0	9+	-	0	*
2	Shoeburyness ...	1011·7	+14	SSW	3	c	54	75	7	-	4	8	0	7-8	-	0	*
	Felixstowe ...	1011·0	+8	S'E	3	c	49	85	7	-	3	7	0	9	-	0	3
	Gorleston ...	1009·9	+6	S	3	c	56	65	6	5	7	-	4-6	9	2500	0	2
	Mildenhall ...	1010·0	+18	SW	4	c	57	75	8	1	7	8	Tr	7-8	4000	0	*
	Cranwell ...	1009·4	+32	WSW	4	c	52	75	6	-	7	6	0	7-8	-	0	*
3	Birmingham ...	1011·1	+24	NW	3	c	47	75	5	5	-	-	10	10	1500	0	*
	Upper Heyford	1010·9	+26	SW	3	c	51	65	8	5	7	-	9	10	4000	0	*
4	Ross-on-Wye	1011·1	+14	WNW	3	bc	50	65	9	4	7	2	2-3	4-6	2500	0	*
5	Bristol ...	1011·4	+18	W	2	bc	48	85	7	5	7	1	4-6	4-6	4000	0	*
	Portland Bill ...	1010·9	+10	SW	3	c	47	85	7	4	-	-	7-8	7-8	2500	1	3
	Plymouth ...	1011·1	+10	SW	2	c	49	85	7	2	3	1	Tr	9+	2500	0	2
	The Lizard ...	1011·1	+12	-	0	bc	49	85	9	8	6	-	4-6	4-6	2500	0	1
	Scilly (St. Mary's)	1010·6	+8	-	0	bc	50	75	9	8	4	9	2-3	4-6	1500	1	2
	Guernsey ...	1012·0	+6	N'E	1	c	48	92	8	5	1	8	2-3	7-8	4000	0	2
6	Pembroke ...	1010·9	+8	SW'W	1	c	47	85	9	8	4	1	4-6	7-8	2500	1	2
7	Holyhead ...	1010·5	+22	SSW	~~1~~ 2	c	46	85	8	8	4	8	4-6	7-8	4000	1	1
	Chester (Sealand)	1011·1	+26	NW	2	bc	47	75	8	8	3	-	1	4-6	2500	1	*
8	Manchester ...	1010·5	+34	WNW	3	c	47	85	8	7	3	1	7-8	7-8	2500	1	*
10	Spurn Head ...	1008·5	+22	WNW	4	c	51	92	6	5	-	-	9+	9+	1500	0	2
	Catterick ...	1009·2	+30	NE	1	m	47	85	4	5	-	-	10	10	2500	0	*
	Tynemouth ...	1009·3	+16	NE	2	c	44	92	8	8	-	-	9+	9+	1500	1	1
11	St Abbs Head	1009·0	+16	SE	1	c	45	75	7	2	8	9	1	7-8	2500	0	1
12	Leuchars ...	1008·1	+24	ESE	2	bc	47	85	7	8	3	-	2-3	2-3	2500	1	*
	Renfrew (Abbotsl.)	1009·2	+26	NNW	3	b	47	75	9	4	4	-	Tr	Tr	4000	1	*
	Eskdalemuir ...	1008·7	+24	WNW	1	bc	44	75	8	8	-	-	4-6	4-6	2500	1	*
	Point of Ayre ...	1009·9	+22	W'N	3	bc	46	92	8	2	8	1	Tr	2-3	1500	0	1
13A	Tiree	1009·2	+20	WNW	2	b	46	75	9	2	6	-	1	1	2500	0	2
13B	Stornoway ...	1007·5	+10	WSW	2	bc	45	85	8	2	7	-	2-3	4-6	2500	1	1
15	Dalwhinnie ...	*	+26	SW	4	bc	40	75	8	4	6	-	1	2-3	4000	0	*
	Aberdeen ...	1008·4	+28	S	2	bc	45	75	6	4	-	-	2-3	2-3	4000	1	1
	Wick ...	1006·5	+20	W	3	bc	46	65	8	7	7	-	2-3	4-6	1500	1	2
16	Lerwick ...	1002·9	+20	W	5	bc	44	85	8	8	-	-	4-6	4-6	1500	1	*
17	Blacksod Point	1010·8	+18	N	2	bc	47	65	9	2	-	-	2-3	2-3	5700	1	2
18	Malin Head ...	1009·9	+26	NW	2	bc	46	75	8	7	-	-	2-3	2-3	5700	1	1
	Aldergrove ...	1010·1	+22	NNW	1	bc	47	65	9	8	3	-	2-3	2-3	2500	1	*
19	Birr Castle ...	1009·8	+18	S	1	c	48	75	8	5	4	-	4-6	7-8	2500	1	*
20	Valentia Obsy. †	1011·4	+18	NW'N	3	bc	49	65	9	8	-	-	2-3	2-3	2500	1	2
	Roches Point	1010·4	*	S	3	bc	50	85	8	2	-	5	2-3	4-6	2500	1	3

PAST 24 HOURS.

District	Weather. 7h.—13h. 21st... (37)	13h.—18h. ...21st.. (38)	18h. 21st to 1h. 22nd (39)	1h.—7h. ...22nd (40)
1	bcc	ccz$_o$	cbcz$_o$	cm$_o$
	bbcy	cbc	bcz$_o$bv	bcm$_o$wq
	bcc	ccpr$_o$	cbcb^{1}	bbm$_o$mx
	cir$_o$c	cr$_o$r$_o$c	cbccm$_o$	cm$_o$
	c	c cir$_o$	cbcbwbf	bf$_o$bm$_o$w
	bcbbc	b,c	czbw	b$_o$wm$_o$
	cbcy	bccy	bbc	bcfw
2	cbcy	bcyc	cbcm$_o$	bcmwx
	cbcc	cbcc	cbm$_o$	bwbcm$_o$
	cq	c	cbbc	bccz$_o$
	ccz$_o$y	c	c	cbxbcfc
	c	c	cbcbm$_o$	bmxfm
3	c	cbcc	cm	mFe
4	c	c	c	cm$_o$
	c	ccv	bcb	bwc
5	cpr$_o$qbc	cbc	cmmw	cm$_o$
	c	c	c	c$_o$
	cm$_o$prbc	bcc	cm$_o$	cm$_o$
	pr$_o$bc	bc	bc^{2}	c
	cv	cbcv	bccbc	bcc
	c	c	cw	cwbc
6	cm$_o$ir$_o$bc	bcvc	bw	bwbcbc
7	m$_o$r$_o$pr$_o$c	bc	bcbwf	bfc
	o$_o$r$_o$d$_o$d$_o$m$_o$	od$_o$d$_o$bc	bF~~F~~FE	bcfffx
	cr$_o$rz$_o$m	cpr$_o$m$_o$c	bFF	bFFcf
10	c	c	cmcbm	cFFw
	r$_o$r$_o$ir$_o$	cm$_o$ccm	cmbcw	bbcx
	bir$_o$r$_o$	oc	cbc	bc
11	c	c	b	b
12	d$_o$d$_o$r$_o$r$_o$c	cjpbc	bzwmx	bx
	ir$_o$c	bcb	bwx	bfff
	r$_o$r$_o$cv	ctjpbc	bcx	bcbrm
	cbc	bc	bcbbw	bx
13A	bcb	b	b	bcpr^{1}w
13B	cprbc	cbc	bcpr$_o$	bccp$_o$
15	crrcbc	bc	*	bc
	cvr$_o$c	cbcz$_o$	bzwx	bxz$_o$
	bcy	bc	bc	bc$_o$
16	cpr$_o$bc	bcprph	bcpr	bcpr
17	prc	bc	bc	bc
18	cprbc	bc	bcbbc	bc
	cm$_o$bcc	c,bbc	bcwbw	bwxif
19	cprc	c	cb	b
20	ir$_o$r$_o$bc	bcv	bcwbw	bwx
	irprbcv	bcvbc	bc	coFFe

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).
⊕, Solar halo. ☽ lunar halo. ⁄ gale.
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.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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. "8+" signifies an overcast sky with a few small openings.

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 .. Ground covered with thawing snow.
7 .. ,, 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.

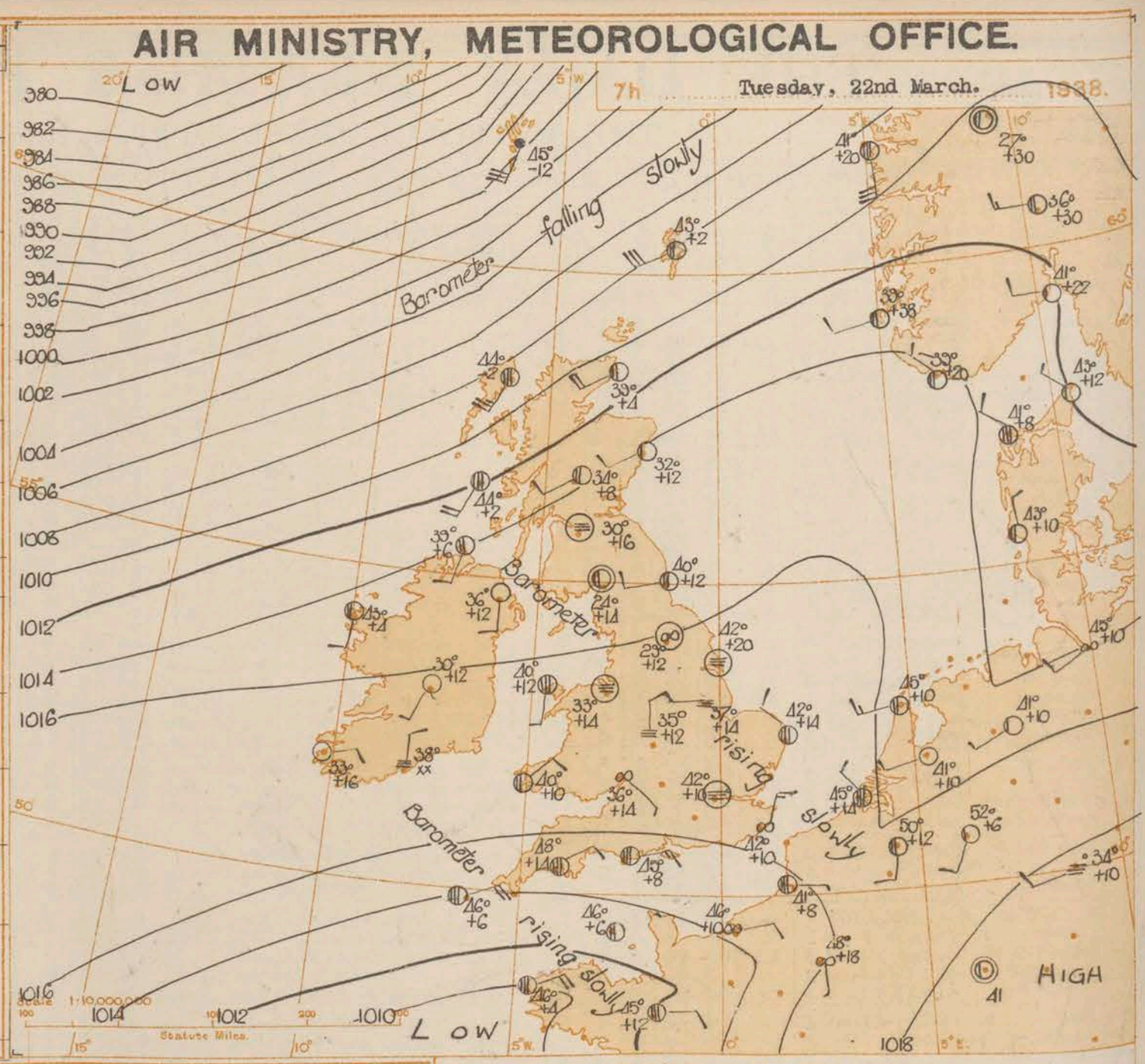
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

[1] Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 21st March 1938.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F.) Min. 9h. 20th to 9h. 21st.	Temperature (°F.) Max. 9h.—17h. 21st.	Rainfall (mm.) Night. 17h. 20th to 9h. 21st.	Rainfall (mm.) Day. 9h.—17h. 21st.	Sunshine (Hrs.) Sunrise to 17h. 21st.	Sunshine (Hrs.) Sunrise to Sunset. 20th.
1	Tunbridge W.	b	bbcb	48	60	-	-	8·9	9·6
	Bournemouth	co	oc	46	54	-	-	0·0	8·9
	Ventnor ...	obc	oc	46	54	-	-	2·2	9·9
	Southsea ...	cbc	c	47	59	-	-	1·7	9·1
	Bognor Regis	bc	bbcb	48	53	-	-	5·6	9·9
	Littlehampton	bc	bc	48	53	-	-	6·2	10·5
	Worthing ...	bbc	bbcb	46	54	-	-	6·2	10·3
	Brighton ...	bcb	cbc	46	54	-	-	6·3	10·1
	Eastbourne† ...	b	bbc	47	57	-	-	7·7	10·5
	Hastings† ...	bbc	bbc	47	56	-	-	9·2	10·3
	Folkestone ...	b	bbcc	47	56	-	-	7·8	9·0
	Dover ...	bc	bcc	48	56	-	-	8·2	9·5
	Deal	b	bbco	48	62	-	-	8·1	9·2
	Ramsgate ...	bc	bc	50	57	-	-	6·3	9·3
	Margate ...	bc	bcc	50	62	-	-	4·9	9·3
2	Southend ...	b	bbc	47	62	-	-	6·7	8·2
	Clacton-on-Sea	bc	bc	46	53	-	-	4·5	9·0
	Dovercourt ...	bc	bc	47	56	-	-	3·0	8·3
	Lowestoft ...	cbc	bcc	45	56	-	-	4·2	9·9
	Skegness ...	bc	c	47	63	-	-	1·3	4·0
	Mablethorpe...	bcc	cy	46	62	-	-	0·3	5·9
	Cleethorpes ...	bcc	bcc	48	65	-	-	1·2	1·3
3	Leamington S.	c	c	48	61	-	-	2·8	3·4
4	Cheltenham†	cbcc	cbcc	47	58	-	-	3·1	8·1
5	Bath	cbc	cbc	50	57	-	-	1·3	3·4
	Weymouth ...	c	c	49	52	-	-	0·1	8·1
	Jersey ...	cbcc	c	49	58	-	-	0·7	8·2
	Torquay ...	bcc	c	50	53	-	-	0·9	8·3
	Falmouth	b	b	46	56	Trace	-	8·8	4·7
	Penzance ...	cbc	cbcb	45	54	3	-	6·3	4·1
	St. Ives ...	p	b	44	59	3	-	5·1	3·6
	Bude... ...	cbc	bc	46	51	-	-	7·0	2·6
	Ilfracombe ...	bcc	bc	46	50	-	-	5·0	3·3
6	Aberystwyth	prc	cbc	45	53	6	-	1·7	0·0
7	Llandudno ...	c	cbcb	43	50	12	-	2·3	0·0
	Colwyn Bay...	o	acbcb	43	48	13	-	1·9	0·0
	Rhyl	orcd	cbcb	44	49	7	0·1	1·7	0·1
8	Wallasey ...	roc	cbcb	45	49	3	0·3	1·8	0·0
	Southport ...	roc	cbcb	44	50	4	0·4	2·0	0·0
	Blackpool ...	orirc	cbcb	44	48	9	0·3	2·3	0·0
	Morecambe ...	idcbc	cbbc	44	48	10	0·3	1·0	0·0
9	Ilkley... ...	do	oro	44	52	0·5	0·1	0·0	0·6
	Harrogate ...	cro c	cpo c	44	53	Trace	0·3	0·2	1·8
10	Berwick-on-T.	oro c	c	41	46	12	0·1	0·7	0·5
11	Dunbar ...	cro	bcro	39	56	5	Trace	1·8	1·6
12	Troon... ...	cbc	bbc	42	50	4	-	6·6	0·0
	Douglas ...	ciR	bc	40	51	16	-	5·0	0·0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.



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

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light variable or easterly winds; fair, local fog, night and morning; rather warm by day, ground frost locally at night.
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, freshening from southwest; fair today, showers or occasional rain tomorrow; average temperature.
13 A. W. Scotld. ▼ B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland ▼	Moderate to fresh southwesterly winds, freshening to gale at times; fair at first, rain at times later; average temperature.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Light variable winds, freshening from southwest; mainly fair at first, occasional rain later; average temperature. H.

GENERAL INFERENCE

A narrow belt of high pressure extends eastwards across England and a deepening depression is moving eastwards over Iceland. Weather will continue fair in the South, but in the North there will be rain at times.

FURTHER OUTLOOK.

Unsettled in the North and West, mainly fair in the Southeast.

TIMES OF ISSUE OF GALE WARNINGS.

▼ South Cone hoisted at 0840 22nd in districts 13 and 16.

Forecasts issued at 1030 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2. 0332/3426. m 5020. 3-4518. 9p 948. 32240. 3/38

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.

Morning of

TUESDAY, 22ND MARCH.

1938.

Mercator Projection Scale 1: 4 X 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 22nd March, 1938.

No. 27879.

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

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	1014·2	+6	-	0	N°	43	92	5	-	-	-	0	0	-
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1014·4	+6	N	2	b	49	85	7	-	-	8	0	1	-
	Manston ...	142	1014·0	+4	SW	1	bc	45	92	8	-	-	4	0	2-3	-
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1015·9	+10	WNW	2	bc	48	75	6	-	4	-	0	2-3	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1012·8	+2	ENE	2	c	46	85	8	4	-	-	7-8	7-8	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1012·8	0	NNE	3	c	45	92	8	4	-	-	9	9	2500
	Scilly (St.Mary's)	163	1013·1	+4	E'N	3	bc	45	92	8	5	-	-	2-3	2-3	1500
	Guernsey ..	175	1012·9	0	-	0	c	47	92	8	-	1	8	0	7-8	-
6	Pembroke ...	142	1013·7	+8	E	2	b	41	97	8	-	1	-	0	Tr	-
7	Holyhead ...	26	1014·1	+12	SE	1	bf+	41	97	2	-	4	-	0	1	-
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1013·4	+20	NW'W	3	m	45	92	4	-	-	-	0	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1012·8	+10	W	2	bc	42	92	6	5	-	-	4-6	4-6	800
11	St Abbs Head ..	280	1013·1	+20	WNW	1	bc	42	65	7	-	4	1	0	2-3	-
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1014·1	+10	W	2	b	36	87	8	-	-	-	0	0	-
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1009·4	+4	SSW	4	bc/pr	41	85	8	5	-	-	2-3	2-3	4000
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1010·2	+8	W	3	bc	38	92	8	5	-	-	2-3	2-3	1500
16	Lerwick ...	156	1007·9	+14	SW	4	bc/pr	42	85	8	8	-	-	2-3	2-3	1500
17	Blacksod Point	18	1013·8	+6	-	0	b	38	92	9	-	-	-	0	0	-
18	Malin Head ...	84	1012·8	+12	SW	1	bc	39	85	8	5	-	-	4-6	4-6	4000
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1013·7	+6	SE	1	b	43	92	8	-	-	-	0	0	-
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1016·0	+12	NE	2	N°	45	85	5	-	-	7	0	10	-	0	*
1016·0	+10	-	0	N°	42	92	4	-	-	2	0	9	-	0	*
1016·2	+12	-	0	m	34	97	4	-	5	-	0	2-3	-	1	*
1016·0	+12	N	1	N°	41	92	6	-	4	2	0	7-8	-	1	*
1015·0	+10	N'E	1	N°	43	92	6	-	7	1	0	4-6	-	1	0
1016·3	+10	NNE	3	N°	42	97	5	-	-	2	0	4-6	-	0	50
1015·8	+10	-	0	bcf	41	97	2	-	-	6	0	4-6	-	0	*
1016·1	+14	N	2	m	39	92	4	-	-	2	0	4-6	-	0	*
1016·3	+16	N	2	N°	45	97	5	-	-	9	0	2-3	-	0	2
1016·2	+14	NW	2	c N°	42	92	5	5	-	-	10	10	2500	0	2
1016·4	+16	NW	1	cf	32	97	2	5	4	2	4-6	9	5700	0	*
1016·8	+14	W	1	cf+	37	97	3	-	3	-	0	9+	-	0	*
1016·8	+12	N	2	F	35	97	1	-	-	-	10	10	<150	1	*
1016·7	+16	N	2	N°	41	92	5	5	1	-	9+	10	5700	0	*
1017·1	+14	SE	1	N°	36	92	6	5	-	1	9	9+	2500	0	*
1016·4	+20	-	0	N°	42	92	5	5	7	-	7-8	9+	4000	0	*
1014·2	+8	ENE	3	c N°	45	85	7	4	4	-	4-6	10	2500	1	3
1014·3	+14	NE'E	2	c	43	75	8	5	4	-	9	9	4000	0	1
1013·9	+4	NE'E	4	c	46	95	8	8	6	-	4-6	7-8	2500	0	2
1014·0	+6	NE'E	4	c	46	92	8	5	7	5	4-6	9+	2500	1	2
1013·4	+6	NE	1	bc	46	97	7	5	1	-	2-3	2-3	2500	1	1
1016·1	+10	NE	2	bc	40	92	8	5	4	-	1	4-6	4000	1	1
1016·2	+12	S	1	c jf	40	97	9	5	-	-	9	9	800	1	0
1017·4	+14	-	0	bcf	38	92	3	5	-	-	4-6	4-6	2500	1	*
1017·2	+18	-	0	cf	39	97	2	5	-	-	9+	9+	2500	1	*
1016·9	+20	-	0	F+	42	97	1	5	-	-	10	10	450	1	1
1016·9	+12	-	0	z N°	29	97	5	5	-	8	4-6	4-6	2500	3	*
1015·3	+12	WSW	2	bc	40	92	6	7	-	-	4-6	4-6	1500	1	1
1015·4	+16	W	2	bc	40	65	8	-	3	-	0	2-3	-	0	1
1014·9	+12	WSW	1	b	31	92	8	-	-	-	0	0	-	3	*
1015·8	+16	-	0	bf	30	97	3	5	-	-	1	1	4000	1	*
1017·1	+14	-	0	m	24	97	4	5	-	-	2-3	2-3	4000	3	*
1015·8	+10	S'W	2	b	36	97	8	-	4	-	0	Tr	-	1	1
1012·2	+2	SSW	4	c	44	65	8	8	3	8	2-3	7-8	2500	0	3
1008·7	-2	SSW	5	c	44	75	9	5	1	3	4-6	9+	4000	1	3
1015·2	+8	SW	2	bc	34	92	7	4	6	1	1	2-3	2500	5	*
1014·0	+12	SW'W	2	b	32	85	6	1	3	-	Tr	Tr	2500	1	1
1010·8	+4	SW	4	bc	39	92	8	5	7	8	2-3	4-6	2500	1	2
1008·2	+2	SW	6	bc	43	85	8	8	-	2	2-3	4-6	1500	1	*
1014·6	+4	S	2	bc	43	85	9	1	-	3	1	2-3	5700	0	2
1014·0	+6	S	2	bc	39	92	8	4	-	1	Tr	2-3	2500	0	1
1015·4	+12	S	2	bjf	36	97	8	-	-	-	0	0	-	1	*
1015·1	+12	SSW	1	b	30	97	8	-	-	-	0	0	-	1	*
1016·2	+10	ENE	2	b	33	97	9	-	-	-	0	0	-	1	2
1016·3	*	N	2	F	38	97	1	5	-	-	10	10	<150	1	3

PAST 24 HOURS.

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)
61	42	28	-	-	6·4
61	39	33	-	-	7·8
60	31	27	Tr	Tr	4·7
55	40	35	0·4	-	0·5
56	39	35	Tr	-	0·5
58	38	33	-	-	9·0
62	38	30	-	-	5·9
60	37	29	-	Tr	5·5
55	39	35	-	-	3·9
58	41	40	-	-	4·0
65	31	30	-	Tr	2·7
62	36	29	-	-	1·9
56	35	24	-	Tr	1·8
59	40	38	-	-	*
56	36	26	-	-	2·4
55	40	36	Tr	-	1·7
50	43	*	-	-	*
53	47	45	Tr	-	1·7
55	45	*	Tr	-	3·2
54	43	*	-	-	3·3
57	45	38	-	-	0·6
50	37	*	0·1	Tr	4·0
50	39	31	0·6	-	4·8
49	29	28	2	0·1	1·8
52	33	26	0·3	-	0·0
61	41	*	-	Tr	0·1
50	27	23	0·2	-	0·0
51	39	34	2	-	0·0
46	38	*	0·3	-	*
52	29	18	Tr	-	5·1
52	29	22	0·1	-	6·5
49	24	19	0·3	Tr	1·2
51	32	*	-	-	6·4
50	36	33	-	0·2	10·0
52	40	*	1	0·1	8·7
48	29	16	0·5	-	5·4
50	28	21	Tr	-	1·8
52	35	*	-	-	*
46	40	*	1	1	7·8
52	29	*	1	-	4·1
50	33	28	7	Tr	3·0
53	37	*	1	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	bcc	ccz	cbczm	61	42	28	-	-	6·4	*	*	4
Croydon	217	bbcy	cbc°	bczbyq	61	39	33	-	-	7·3	*	*	4
Greenwich (Royal Observatory)...	149	bcy	bccy	cbcm	63	42	31	-	-	7·4	55	77	4
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6·7	*	*	*
Westminster (St James' Park) ...	27	*	*	*	62	45	41	—		7·0	59	78	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	64	42	35	-	-	4·5	71	92	*
Camden Square	110	bcb	bcc	*	63	43	34	-	-	*	*	76	*
Kensington	80	bc	bc	*	63	43	34	-	-	7·4	70	At 18h. 77	*
Hampstead Observatory	450	bc	bc	c	61	40	33	-	-	6·1	*	87	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 22nd

South Kensington.

Max.	Time.	Min.	Time.
0·3	19-21h. 21st	0·3	13-15h. 21st

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	21h. 21st	0·1	11h 21st

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 21st March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 22nd March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1012·5	S	2	bc	64	1015·9	SSE	1	z	48
Brussels	1013·1	SSW	3	bc	57	1016·1	S	2	c°	50
Berlin	1016·0	S	3	b	61	1016·4	S'E	1	z	45
Zürich	1019·5	S'E	1	bc	55	1019·9	SSE	1	z N°	39
Rome						1020·1	NE	1	F°	50

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
70	48	-	-
70	45	-	-
72	41	-	-
64	37	-	-
*	*	*	-

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 23rd March, 1938.

No. 27880.

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

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)	1016·3	−2	ENE	2	z₀	58	65	5	1	–	–	2-3	2-3	4000
	Croydon ...	1016·5	−2	ENE	1	z₀	59	65	6	–	–	1	0	2-3	–
	S. Farnborough	1015·8	−10	NE	2	z₀	60	55	5	–	–	–	0	0	–
	Boscombe Down	1016·3	−4	ENE	2	z₀	58	65	6	1	–	4	Tr	1	4000
	Calshot (Sthmtn.)	1016·5	+6	SE	2	z₀	55	75	6	1	3	–	Tr	2-3	4000
	Lympne ...	1016·6	−2	NNE	3	c	59	65	7	–	3	6	0	9	–
	Manston ...	1017·0	+4	NE	3	z₀	50	65	6	–	–	6	0	7-8	–
2	Shoeburyness ...	1017·0	−4	ENE	2	c	53	75	6	–	–	6	0	9	–
	Felixstowe ...	1017·4	−2	NE	4	z₀	47	85	6	8	–	8	4-6	7-8	4000
	Gorleston ...	1018·4	+4	NNE	1	0	43	97	5	5	–	–	10	10	1500
	Mildenhall ...	1017·5	0	NE	1	z₀	55	65	6	1	3	–	2-3	7-8	4000
	Cranwell ...	1018·0	+2	ESE	1	c	51	75	6	5	3	–	Tr	9+	5700
3	Birmingham ...	1017·7	0	NE	1	z₀	51	55	5	–	3	–	0	4-6	–
	Upper Heyford	1017·4	−2	N	1	z₀	55	55	6	–	5	1	0	Tr	–
4	Ross-on-Wye	1017·0	−4	NE	2	bc	53	55	7	–	4	9	0	2-3	–
5	Bristol ...	1017·0	−2	N	2	z₀	55	65	6	–	3	–	0	4-6	–
	Portland Bill ...	1015·4	+2	E	3	b	54	85	6	–	–	–	0	0	–
	Plymouth ...	1015·7	+6	E'S	2	c	57	65	8	1	3	–	Tr	9+	4000
	The Lizard ...	1016·1	+8	NE	4	c	52	75	7	4	6	–	7-8	7-8	2500
	Scilly (St.Mary's)	1015·0	+6	NE	4	c	50	85	7	5	5	–	2-3	9+	2500
	Guernsey ...	1015·0	+4	ESE	1	b	54	65	7	–	–	8	0	1	–
6	Pembroke ...	1018·0	+4	SSW	3	bc	52	75	7	5	7	–	2-3	4-6	4000
7	Holyhead ...	1017·4	0	SSW	2	b	51	65	9	5	–	–	Tr	Tr	2500
	Chester(Sealand)	1018·1	−2	SE'S	1	b	56	55	6	1	–	–	Tr	Tr	2500
8	Manchester ...	1017·6	−6	SW	1	z₀	55	55	5	1	–	–	Tr	Tr	4000
10	Spurn Head ...	1018·1	+4	SE	2	bc	50	75	7	–	3	9	0	4-6	–
	Catterick ...	1016·4	−8	S'E	3	bc	57	45	8	7	–	–	4-6	4-6	2500
	Tynemouth ...	1017·0	0	W	2	bc	48	75	6	9	–	–	4-6	4-6	800
11	St. Abbs Head	1015·3	−4	S	3	bc	51	65	8	2	1	–	2-3	4-6	5700
	Leuchars ...	1015·0	−6	SW	3	bc	51	65	6	8	–	–	4-6	4-6	2500
12	Renfrew (Abbots L.)	1015·4	−10	WSW	4	bc	50	75	8	2	4	1	2-3	4-6	4000
	Eskdalemuir ...	1016·9	+4	SW	4	c	42	85	7	5	–	–	9+	9+	1500
	Point of Ayre...	1016·9	+6	S'W	4	bc	51	75	8	2	–	–	4-6	4-6	4000
13A	Tiree	1012·3	0	SW'S	6	c	48	75	9	8	3	–	1	9	2500
13B	Stornoway ...	1007·8	−4	SSW	7	c	47	75	8	5	1	–	7-8	10	2500
15	Dalwhinnie ...	1013·6	−8	SW	6	c	49	55	8	4	6	1	4-6	9+	4000
	Aberdeen ...	1013·1	−8	SW	5	b	52	45	8	1	–	5	Tr	1	1500
	Wick ...	1010·1	−8	SSW	6	bc	49	65	8	7	7	8	2-3	4-6	2500
16	Lerwick ...	1007·9	−6	SW	8	bc	46	75	8	5	9	1	4-6	4-6	1500
17	Blacksod Point	1014·9	+8	SW	4	c	50	65	9	2	3	–	4-6	7-8	2500
18	Malin Head ...	1013·8	0	SW	4	c	49	75	8	7	–	9	4-6	7-8	5700
	Aldergrove ...	1015·8	+4	SW'S	4	bc	53	55	9	2	–	–	2-3	2-3	2500
19	Birr Castle ...	1016·6	+4	SW	1	bc	54	65	8	1	–	–	4-6	4-6	2500
20	Valentia Obsy. †	1018·1	+4	SW'W	3	bc	51	65	9	1	–	1	2-3	2-3	2500
	Roches Point	1018·1	*	S'E	3	bc	50	85	8	1	–	–	2-3	2-3	4000

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

Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1016·5	+6	E'N	2	z₀	55	65	5	–	–	–	0	0	–	0	*
1016·7	+6	NE'E	2	z₀	53	75	5	–	3	1	0	2-3	–	0	*
1016·2	+10	NNW	1	z₀	57	65	5	–	–	–	0	0	–	0	*
1016·3	+4	N	2	z₀	55	75	5	–	8	–	0	2-3	–	0	*
1016·3	+2	ESE	1	z₀	50	85	6	–	–	–	0	0	–	1	1
1017·3	+6	NNE	3	z₀	49	85	6	–	3	1	0	2-3	–	0	§ 2
1017·8	−6	NE'N	2	F	42	97	1	–	–	–	10	10	⟨150	0	*
1017·7	+4	ENE	3	if	43	97	3	5	–	–	10	10	⟨150	0	*
1017·6	+2	NE	3	f	42	97	2	5	–	–	10	10	⟨150	0	2
1018·4	+4	N'E	3	bc	44	85	6	5	–	–	4-6	4-6	2500	0	1
1017·3	+4	ENE	2	z₀	53	75	6	–	–	1	0	1	–	0	*
1017·6	0	E	2	bc	46	85	8	–	4	–	0	4-6	–	0	*
1017·7	+4	NW	2	f	49	65	3	–	–	–	0	0	–	0	*
1017·5	+1	NNE	2	z₀	53	65	6	–	–	1	0	Tr	–	0	*
1017·1	+4	NNW	2	b	54	65	8	5	–	–	Tr	Tr	4000	0	*
1017·2	+2	NNE	1	z₀	52	75	6	–	3	–	0	4-6	–	0	*
1015·8	+6	E	2	bc	51	85	6	4	–	–	4-6	4-6	2500	1	2
1016·2	+8	SSW	1	z₀	54	75	6	–	3	–	0	2-3	–	0	0
1016·2	+4	NE	2	c	51	75	7	4	3	–	4-6	7-8	2500	0	2
1017·0	+6	NE	3	c	49	85	7	5	3	–	2-3	7-8	2500	1	2
1015·4	+4	–	0	b	51	85	7	–	–	–	0	0	–	0	1
1018·1	+2	NNW	3	b	49	75	8	–	7	–	0	1	–	1	1
1017·2	0	SW'S	3	b	48	75	9	1	4	–	Tr	Tr	2500	1	1
1018·1	+8	NW	2	z₀	48	75	6	–	–	–	0	0	–	0	*
1017·4	+4	NW'N	2	z₀	47	85	5	–	–	–	0	0	–	1	*
1018·6	+12	SSE	3	c	45	92	7	–	–	7	0	10	–	0	1
1016·8	+6	WSW	2	b	50	65	8	–	8	8	0	1	–	0	*
1016·7	0	S	1	c	46	92	6	8	–	–	7-8	7-8	1500	1	1
1014·6	0	SW	3	bc	48	65	8	2	2	–	Tr	4-6	5700	0	1
1013·9	−2	WSW	3	c	49	65	7	4	9	1	4-6	7-8	2500	1	*
1014·1	−4	WSW	3	c	49	75	8	4	5	6	1	7-8	4000	0	*
1016·4	+2	S'W	3	c	41	92	8	5	3	–	7-8	7-8	1500	1	*
1016·8	−4	SW'W	2	bc	50	75	8	–	4	–	0	2-3	–	0	1
1011·0	−6	SW'S	6	r₀r₀	46	92	6	6	2	–	4-6	10	800	1	9
1005·7	−10	SSW	8	r₀r₀	45	92	7	5	2	–	7-8	10	1500	1	5
1012·5	0	SW	4	c	44	65	8	4	1	–	2-3	10	4000	0	*
1012·1	−4	SSW	3	c	50	55	7	–	5	8	0	7-8	–	0	1
1008·7	−6	SSW	4	c	47	75	8	5	7	8	7-8	9	1500	1	2
1005·8	−8	SW	7	c	46	75	8	5	7	–	7-8	9+	1500	1	*
1014·3	−2	S	5	c	49	75	9	5	–	–	9	9	2500	0	4
1012·9	−4	W	4	c	49	85	7	5	–	–	9+	9+	4000	0	2
1015·4	+2	SW'S	3	bc	50	65	9	1	3	1	1	4-6	4000	1	*
1016·9	+2	SW	1	bc	54	55	8	1	–	–	2-3	2-3	2500	1	*
1018·4	+2	SW'W	3	bc	50	65	9	1	3	1	1	2-3	4000	1	2
1018·4	*	SSW	3	b	50	75	9	1	–	–	1	1	4000	1	3

PAST 24 HOURS.

Weather. 7h.–13h. .22nd (37)	13h.–18h. .22nd (38)	18h.22nd to 1h.23rd (39)	1h.–7h. .23rd (40)
czbcz₀	bcybz₀	bm₀	bmoff
cmbcz₀⊕	bbcz₀	bcbzffe	ffefe
bbc bzy	bybz₀	bz₀	bfFeo
cm₀bcbz	bz₀	bm₀	bmbfw
bcc bm₀	bm₀	bw₀m	bffe
bcz₀⊕	c⊕bz₀	bwbcife	bmffe
bcfm₀	bcm₀F	FFe	FFe
cm bcz₀	cififpr₀	ifmf	ifef ofefo
bm₀cm₀	bcm₀of	offefe	ofefe
coffo	oc bcz₀	bcz₀c	offe
cxfcm₀bcz₀	bcz₀bm₀bw₀m		bmbcffe
cfmm₀	bcbc	bcbfe	Fewbcf
fbcz	bczbf	bf	bfx
cm₀	bz₀y	bm₀	bmF
cm₀bxbcz	by	bbm₀	bmx
cmm₀bc	bcbbc	bcmmb	bmxf
bcb	bbcz₀	bcz₀	bcbz₀
cbcc	cybz₀	bcbcm₀	bcb
c	c	cbc	bc
cp₀c	c	cbc	bccbc
bcb	b	bw	bwz
bc	bcb	bz	bwx
cb	b	bw₀m卅	bwc卅
bf z₀y	bz₀y	bFFe	bFFf
cfbcmbz	bc	bmffoff	cfFF
ffc	c	cbw	cm w
bbc	bcyby	bbw	bbccw
bcm	bcc	cbcff	bccp₀
bc	b	bcrrc	cpr₀
bz₀bcz₀	bc z₀c	cz₀ivcv	c
bc ffc	bc	cmcvr	rrrc
bbcc	cbcc	c	cir₀c
bbc	bc	bcbbc	c
cbc	bcc	cir₀	cr₀r₀
bcc	cr₀r₀	corrd	ord
c	cr₀r₀	crr	crr
bcc	c	*	cir
bxzcy	bybcy	bcycr₀	cr₀r
bc	c	crrc	c
cbc	bcc	cir₀	cr₀r₀
bc	c	bc	c
bc	bcc		c
bxjfby	bybc	bccr₀	cr₀c
bbc	bc	bc	bcc
bvxbc	bcbbcv	bcow	bcc
FFebc	bcb	bw	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/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).
⊕, Solar halo. ☽ lunar halo. 卅 gale.
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 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).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 . . Ground covered with thawing snow.
7 . . „ 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.

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.*

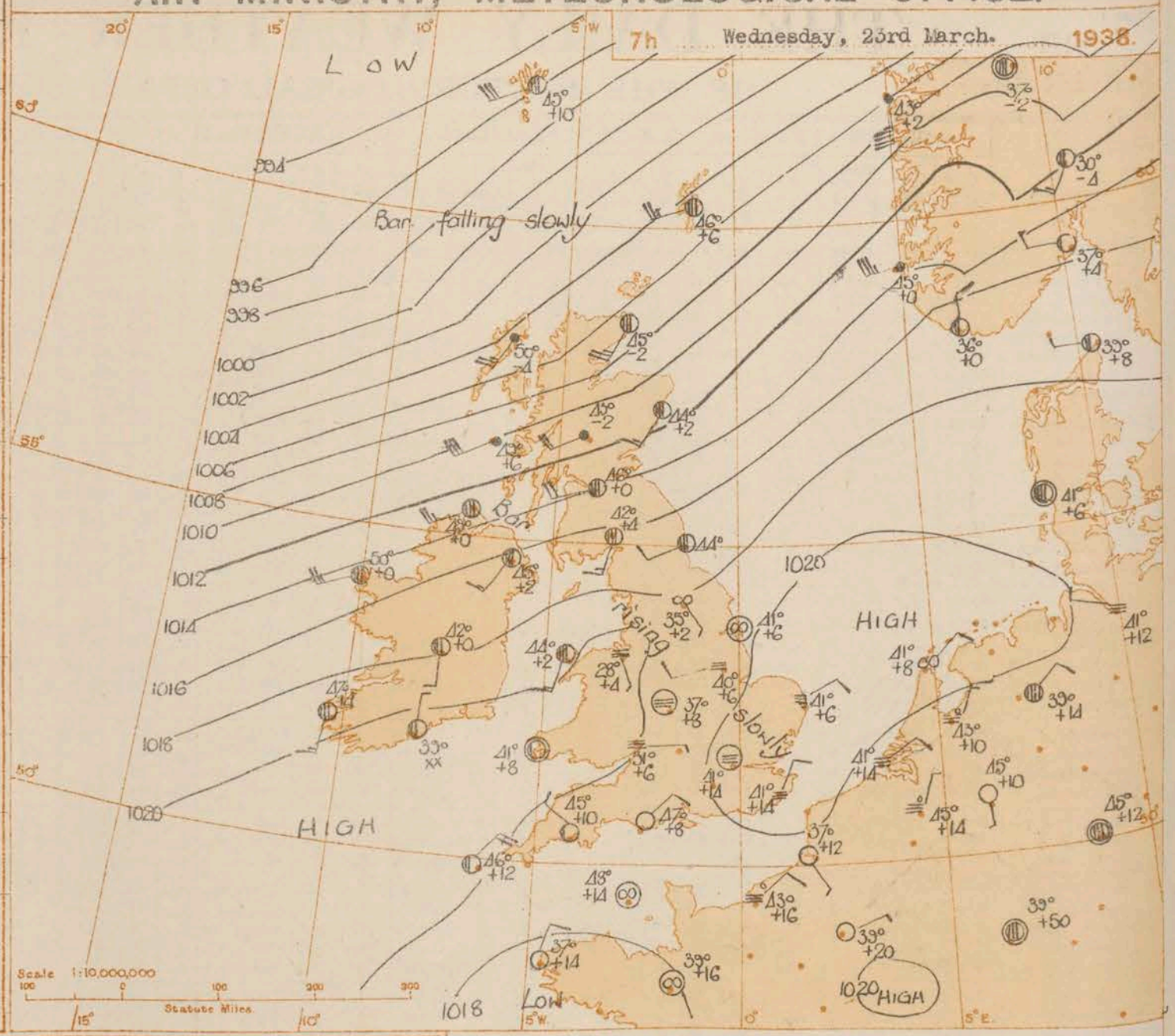
† Area disturbance reported from Dungeness.

AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 22nd March 1938.

Districts	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature (°F). Min. 9h. 21st to 9h. 22nd.	Temperature (°F). Max. 9h.—17h. 22nd.	Rainfall (mm.). Night. 17h. 21st to 9h. 22nd.	Rainfall (mm.). Day. 9h.—17h. 22nd.	Sunshine (Hrs.). Sunrise to 17h. 22nd.	Sunshine (Hrs.). Sunrise to Sunset. 21st.
1	Tunbridge W.	cbcb	bpc	36	63	-	-	7·0	8·9
	Bournemouth	b	b	40	64	-	-	9·2	0·0
	Ventnor ...	bz	bz	44	53	-	-	3·3	
	Southsea	b	b	46	62	-	-	8·5	1·7
	Bognor Regis...	bcbc	bcbc	41	58	-	-	7·7	5·6
	Littlehampton	bc	bc	40	61	-	-	7·5	6·2
	Worthing ...	b	b	41	60	-	-	8·2	6·2
	Brighton ...	bc	bc	42	59	-	-	6·8	6·3
	Eastbourne† ...	bcb	b	43	57	-	-	8·8	7·7
	Hastings† ...	bcbc	b	44	60	-	-	9·6	9·4
	Folkestone ...	bcb	bz.b	42	61	-	-	8·4	7·8
	Dover ...	ybc	bcbm	41	60	-	-	7·5	3·2
	Deal	bcbc	bcdf	38	53	-	-	5·5	8·1
	Ramsgate ...	bc	bcm	46	52	-	-	7·1	6·3
	Margate ...	bc	bcf	44	50	-	-	4·9	4·9
2	Southend ...	bm	bbcm	*	58	Trace	-	6·3	6·7
	Clacton-on-Sea	bcm	bcmf	41	53	-	-	4·3	4·5
	Dovercourt ...	mbc	bcf	46	52	-	-	6·1	3·0
	Lowestoft ...	ofccc	c	37	45	-	-	0·0	4·2
	Skegness ...	o	oebc	38	46	-	-	0·0	1·3
	Mablethorpe...	o.c	bcbbc	35	47	-	-	0·7	0·3
	Cleethorpes ...	ofcbc	bc	35	51	-	-	4·3	1·2
3	Leamington S.	bz	bz	35	57	-	-	4·7	2·8
4	Cheltenham†	fwc	cbcb	37	59	-	-	4·6	3·1
5	Bath	cbcb	bcb	43	59	-	-	6·5	1·3
	Weymouth ...	bz	bz	44	58	-	-	9·6	0·1
	Jersey ...	b	b	47	62	-	-	9·9	0·7
	Torquay ...	b	bcby	47	60	-	-	7·4	0·3
	Falmouth	bcnc	c	44	58	-	-	2·7	9·1
	Penzance ...	bcdb	bcc	45	56	-	-	2·8	6·3
	St. Ives ...	o	o	43	60	-	-	0·0	5·4
	Bude... ...	bc	bcc	40	59	-	-	4·5	7·1
	Ilfracombe ...	bcbc	bcbc	39	55	-	-	5·8	5·9
6	Aberystwyth	zbc	bc	34	50	-	-	10·0	2·5
7	Llandudno ...	b	b	35	52	-	-	9·8	3·1
	Colwyn Bay...	b	b	34	50	-	-	10·2	2·7
	Rhyl	b	b	33	53	-	-	9·9	2·5
8	Wallasey ...	cbc	bcb	37	50	-	-	8·3	2·7
	Southport ...	wmbc	b	37	54	Trace	-	7·8	2·9
	Blackpool ...	cm.bz	bz	38	51	-	-	6·0	3·1
	Morecambe ...	cbc	bbc	37	50	Trace	-	5·3	1·5
9	Ilkley... ...	ocb	b	35	57	-	-	6·0	0·0
	Harrogate ...	b	b	34	57	-	-	10·1	0·2
10	Berwick-on-T.	b	b	35	53	-	-	9·7	0·7
11	Dunbar ...	bcx	bc	33	55	-	-	10·0	1·8
12	Troon... ...	bbcbc	bbcb	35	50	-	-	9·4	8·1
	Douglas ...	bcx	bc	35	50	-	-	6·0	5·4

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



Districts	Forecasts for the 24 hours commencing 12 noon, G.M.T. 23rd March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light variable winds; fair; local fog; rather cool in foggy areas, rather warm by day elsewhere.
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 southwesterly winds; mainly fair; local fog, night and morning; average temperature.
13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Moderate to strong southwesterly winds; occasional rain; bright periods; average temperature.
17 N. W. Ireland 18 N. E. Ireland	Moderate southwesterly winds, freshening; fair at first, probably rain at times later; average temperature.
19 S. E. Ireland 20 S. W. Ireland	Light variable or southwesterly winds, freshening; mainly fair; 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

An anticyclone covers England and France and pressure is relatively very low between Greenland and Southern Norway. Weather will continue fair over most of the British Isles, but there will be fog at night in many areas.

Further Outlook.

Similar.

Forecasts issued at 1030 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

H.M. Stationery Office Press, Kingsway, W.C.2

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.

Morning of

WEDNESDAY, 23RD MARCH.

1938.

No Russian observations available.

Mercator's Projection Scale 1·4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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, 23rd March, 1938.
No. 27880.

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

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	1019·2	+2	NE'E	1	f.	42	97	2	-	-	-	10	10	<150
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1018·9	-2·	NE'E	3	b/f	41	92	6	-	-	-	0	0	-
	Manston ...	142	1019·2	+2	E'S	1	F	40	97	1	-	-	-	10	10	<150
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1019·7	+4	SE'E	1	c.	43	85	6	5	-	-	10	10	2500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1017·6	+6	ESE	3	bc	49	92	6	4	-	-	4-6	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1018·4	+4	N'E	4	bc	47	75	8	2	-	-	2-3	2-3	2500
	Scilly (St. Mary's)	163	1019·3	+10	NE	4	bc	46	92	7	5	3	-	2-3	4-6	2500
	Guernsey ..	175	1018·0	+4	-	0	b	46	97	6	-	-	-	0	0	-
6	Pembroke ...	142	1019·8	+6	ENE	2	b	43	76	8	7	-	-	Tr	Tr	4000
7	Holyhead ...	26	1018·6	+2	S'W	2	b.	43	92	7	-	3	-	0	1	-
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1019·1	+4	SSW	2	b.	41	97	7	-	-	-	0	0	-
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1017·4	0	W	2	bc	40	86	6	5	-	-	2-3	2-3	1500
11	St Abb's Head ..	280	1015·8	0	SSW	3	rr	43	85	7	3	2	-	4-6	10	1500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1017·0	+2	W'S	4	bc	45	85	8	5	-	-	2-3	2-3	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1005·8	0	SW	5	c.	49	92	7	5	7	-	7-8	9	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1007·9	-4	SW	5	c	44	85	8	8	2	-	7-8	10	1500
16	Lerwick ...	156	1004·1	-4	SW	8	c	46	85	8	5	2	-	7-8	10	1500
17	Blacksod Point	18	1014·8	+2	S	5	c	50	85	8	5	-	-	10	10	1500
18	Malin Head ...	34														
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1019·2	-2	SSW	1	bc	47	97	8	5	-	-	4-6	4-6	1500
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1020·5	+8	E'S	2	f	44	92	3	-	-	-	10	10	<150	0	*
	Croydon ...	1020·6	+14	-	0	F	41	97	1	-	-	-	10	10	<150	0	*
	S. Farnborough	1020·1	+10	-	0	F	42	97	1	-	-	-	10	10	<150	0	*
	Boscombe Down	1020·2	+8	N	1	bcf	37	97	2	-	1	-	0	2-3	-	1	*
	Calshot (Sthmtn.)	1019·7	+16	NW'W	2	bf	42	97	2	-	-	-	0	0	-	1	1
	Lympne ...	1020·5	+14	NE'N	2	F	41	97	1	-	-	-	10	10	<150	0	§0
	Manston ...	1020·3	+14	NE	2	F	42	97	1	-	-	-	10	10	<150	0	*
2	Shoeburyness...	1020·6	+10	-	0	f	40	97	2	-	-	-	10	10	<150	1	*
	Felixstowe ...	1020·5	+18	N	2	F	40	97	1	-	-	-	10	10	<150	1	2
	Gorleston ...	1020·6	+6	ENE	2	f	41	92	2	-	-	-	10	10	<150	1	1
	Mildenhall ...	1020·4	+10	E'S	1	bf	33	97	3	5	-	1	Tr	1	4000	0	*
	Cranwell ...	1019·8	+6	WSW	2	bcf	40	97	3	-	-	5	0	2-3	-	1	*
3	Birmingham ...	1019·9	+8	-	0	bcf	37	85	3	-	-	1	0	Tr	-	0	*
	Upper Heyford	1020·6	+8	N'E	1	bf	37	97	2	-	-	5	0	1	-	0	*
4	Ross-on-Wye	1020·6	+6	E	1	m	31	97	4	-	-	-	0	0	-	0	*
5	Bristol ...	1020·5	+10	-	0	bf	35	97	3	-	-	-	0	0	-	0	*
	Portland Bill ...	1019·0	+8	NE	2	b	47	92	6	-	-	-	0	0	-	1	2
	Plymouth ...	1019·8	+10	NW	1	b	45	85	8	-	7	-	0	1	-	0	1
	The Lizard ...	1019·9	+10	N	2	bc	47	75	7	4	-	-	4-6	4-6	2500	0	1
	Scilly (St. Mary's)	1020·6	+12	NE'N	4	bc	46	92	7	5	3	-	1	4-6	2500	1	2
	Guernsey ..	1019·2	+14	-	0	z	48	92	5	-	-	-	0	0	-	1	1
6	Pembroke ...	1021·1	+8	-	0	b	41	97	8	-	4	-	0	Tr	-	1	1
7	Holyhead ...	1019·0	+2	S'W	3	c	44	92	9	5	3	6	2-3	7-8	450	1	1
	Chester(Sealand)	1020·2	+4	SSE	1	bcF	28	97	1	-	-	6	0	2-3	-	1	*
8	Manchester ...	1020·1	+10	-	0	bcF	26	97	1	-	3	-	0	2-3	-	3	*
10	Spurn Head ...	1019·9	+6	-	0	z	41	97	5	5	-	-	9+	9+	1500	1	0
	Catterick ...	1017·7	+2	SE'S	1	z	35	92	6	5	1	-	7-8	9+	4000	1	*
	Tynemouth ...	1017·2	+4	SW	2	c/pr	44	85	6	9	-	-	9+	9+	800	1	1
11	St Abb's Head ..	1013·7	-2	SSW	6	c/pr	45	75	7	9	6	-	4-6	9+	1500	1	1
	Leuchars ...	1013·5	+2	WSW	3	c	47	92	7	5	7	2	2-3	9+	2500	1	*
12	Renfrew (Abbots I.)	1014·1	0	WSW	4	c	46	92	7	5	3	3	4-6	9	1500	1	*
	Eskdalemuir ...	1016·3	+4	S'W	3	c	42	85	7	5	-	-	10	10	1500	1	*
	Point of Ayre...	1017·0	0	W'S	3	c	46	85	8	-	7	-	0	9+	-	0	2
13A	Tiree	1010·2	+6	SW'S	6	id	49	97	6	-	2	-	10	10	800	1	3
13B	Stornoway ...	1005·4	-4	SSW	5	r.r.	50	97	6	5	2	-	7-8	10	1500	1	3
15	Dalwhinnie ...	1011·8	-2	SW	4	rr	43	97	6	4	1	-	2-3	10	1500	1	*
	Aberdeen ...	1011·4	+2	SSW	3	c/r	44	85	7	6	7	-	1	9	1500	1	1
	Wick ...	1006·9	-2	SSW	5	c	45	92	8	5	9	8	7-8	9+	1500	1	3
16	Lerwick ...	1004·8	+6	SW	5	c	46	92	8	8	7	-	7-8	10	800	1	*
17	Blacksod Point	1014·4	0	SW	5	c	50	92	7	-	2	-	0	10	-	0	3
18	Malin Head ...	1012·4	0	SW	5	c	49	97	7	8	-	-	9	9	1500	0	2
	Aldergrove ...	1016·2	+2	SSW	3	c	45	85	8	5	-	-	9+	9+	2500	1	*
19	Birr Castle ...	1017·8	0	S	1	c	42	85	8	5	-	-	9+	9+	2500	1	*
20	Valentia Obsy. †	1019·5	+4	S	3	c	47	85	8	5	4	-	4-6	7-8	1500	1	2
	Roches Point	1020·5	*	N	1	bc	39	97	9	-	4	1	0	2-3	-	1	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F. (31)	Temperature. Min. Night 18h–7h °F (32)	Temperature. Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine Hrs. (36)
1	London (Kew)	61	43	34	-	-	5·0
	Croydon ...	62	41	39	-	Tr	4·9 [4·1]
	S. Farnborough	61	40	33	-	Tr	3·8
	Boscombe Down	61	36	33	-	-	8·4
	Calshot (Sthmtn.)	57	41	37	-	-	8·9
	Lympne ...	59	39	37	-	0·1	9·0
	Manston ...	54	40	40	-	Tr	8·4
2	Shoeburyness...	55	40	41	Tr	Tr	4·4
	Felixstowe ...	51	37	37	-	Tr	4·2
	Gorleston ...	46	39	39	-	-	0·1
	Mildenhall ...	58	32	31	-	Tr	4·8
	Cranwell ...	54	31	22	-	Tr	2·6
3	Birmingham ...	52	37	21	-	-	0·9
	Upper Heyford	58	34	*	-	-	*
4	Ross-on-Wye	58	31	22	-	-	8·8
5	Bristol ...	57	39	27	-	-	5·9
	Portland Bill ...	55	45	*	-	-	*
	Plymouth ...	61	44	35	-	-	4·6
	The Lizard ...	54	45	*	-	-	1·5
	Scilly (St. Mary's)	51	45	*	Tr	-	0·1
	Guernsey ..	58	44	36	-	-	10·3
6	Pembroke ...	53	38	*	-	Tr	10·5
7	Holyhead ...	53	42	36	-	Tr	9·0
	Chester(Sealand)	57	27	23	-	Tr	10·1
8	Manchester ...	57	25	24	-	-	6·8
10	Spurn Head ...	50	39	*	-	Tr	4·8
	Catterick ...	58	33	27	-	-	10·4
	Tynemouth ...	52	40	33	-	Tr	7·9
11	St Abb's Head ..	53	41	*	-	1	*
	Leuchars ...	53	44	41	-	Tr	9·9
12	Renfrew (Abbots I.)	53	45	43	-	0·4	7·2
	Eskdalemuir ...	47	40	39	-	Tr	5·0
	Point of Ayre...	56	39	*	-	-	10·5
13A	Tiree	49	45	44	0·1	7	4·4
13B	Stornoway ...	48	45	*	!	2	0·1
15	Dalwhinnie ...	50	39	36	-	1	7·8
	Aberdeen ...	53	44	42	Tr	5	9·4
	Wick ...	50	40	*	-	3	*
16	Lerwick ...	47	41	*	-	0·5	6·9
17	Blacksod Point	51	42	*	-	-	*
18	Malin Head ...	52	44	*	-	-	7·4
	Aldergrove ...	55	45	43	-	Tr	9·7
19	Birr Castle ...	56	39	*	-	-	11·2
20	Valentia Obsy. †	53	44	39	Tr	Tr	9·5
	Roches Point	53	37	*	Tr	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h.
Kew...	18	czbz.	bcybz.	bm.maff	61	43	34	-	-	5·0	*	*	3
Croydon	217	cmbcz.⊕	bbcz.	bczffe	62	41	39	-	Tr	4·9	*	*	2
Greenwich (Royal Observatory)...	149	bcm	bcb	baf	61	40	39	-	-	6·1	59	97	3
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	3·8	*	*	*
Westminster (St. James' Park) ...	27	*	*	*				—		4·1	67	93	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	62	43	43						
Camden Square	110	cb	bc	*	62	41	38	-	-	2·3	67	85	*
Kensington	80	bcz	bcz	*	63	41	38	-	-	*	*	95	*
Hampstead Observatory	450	bc	af	bcm	63	43	38	-	-	4·0	At 18h. 48	92	*
					59	38	36	-	-	2·8	*	97	*

FOREIGN OBSERVATIONS.

18h G.M.T. 22nd March

Stations	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1015·0	S	2	bc	64
Brussels	1016·3	NNW	2	b	59
Berlin					
Zurich					
Rome	1019·0	SSE	2	c	57

7h G.M.T. 23rd March

Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
1019·8	ENE	1	b	39
1019·8	NNE	1	m	45
1017·9	E	1	c/pr	52
1020·6	ESE	1	m	39

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
64	39	-	-
70	39	-	-
	46		Tr.
	37		-
*	*	-	

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 23rd

South Kensington.

Max.	Time.	Min.	Time.
0·6	9-12h 22nd.	0·3	2-4h 23rd.

Kew Observatory.

Max.	Time.	Min.	Time.
0·5	19h 22nd	0·2	3h 23rd

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 —Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § S-s disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 24th March, 1938.

No. 27881.

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

Dist.	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)	1020·4	−2	W'N	1	m	56	75	4	-	-	-	0	0	-
	Croydon ...	1020·4	−6	-	0	m	57	75	4	-	-	-	0	0	-
	S. Farnborough	1020·2	−10	-	0	z_o	60	65	6	-	-	-	0	0	-
	Boscombe Down	1020·1	−6	W	1	z_o	65	55	6	1	3	-	Tr	2-3	4000
	Calshot (Sthmtn.)	1020·9	+12	E	1	z_o	53	85	6	-	-	-	0	0	-
	Lympne ...	1020·9	−6	ESE	1	z_o	54	85	6	-	-	1	0	1	-
	Manston ...	1021·0	−2	N	2	cf+	44	92	3	5	-	-	9+	9+	220
2	Shoeburyness ...	1021·3	0	NNE	1	0	47	97	5	5	-	-	10	10	450
	Felixstowe ...	1021·0	−6	ESE	1	cf	42	97	3	5	-	-	10	10	<150
	Gorleston ...	1021·2	0	SE	3	cf-	41	92	3	5	-	-	10	10	450
	Mildenhall ...	1020·0	−6	-	0	c	64	55	7	1	-	2	1	7-8	4000
	Cranwell ...	1019·5	−10	SSW	3	c	59	55	6	-	4	3	0	9+	-
3	Birmingham ...	1020·1	−2	WSW	3	b	59	35	8	-	-	1	0	1	-
	Upper Heyford	1020·6	−6	W	1	z_o	62	55	6	7	-	1	2-3	4-6	4000
4	Ross-on-Wye	1019·4	−6	SW	2	z_o	62	35	6	-	-	1	0	Tr	-
5	Bristol ...	1020·4	−6	NNW	2	z_o	59	65	5	-	-	-	0	0	-
	Portland Bill ...	1020·1	+2	SW	1	b	54	85	6	-	-	-	0	0	-
	Plymouth ...	1020·7	+2	S	3	z_o	55	75	6	2	3	-	Tr	9+	4000
	The Lizard ...	1021·0	+4	-	0	c	58	65	7	4	6	-	4-6	7-8	2500
	Scilly (St Mary's)	1021·8	+6	NNE	3	c	52	85	8	7	3	-	2-3	7-8	4000
	Guernsey ...	1020·3	+2	-	0	fs	58	75	5	-	-	-	0	0	-
6	Pembroke ...	1021·6	+2	WNW	3	bc	50	86	9	5	4	+9	Tr.	2-3	4000
7	Holyhead ...	1019·5	−2	SW'S	4	c	51	85	9	5	5	1	4-6	9	450
	Chester (Sealand)	1019·8	−6	W'N	2	bc	60	35	7	-	3	1	0	2-3	-
8	Manchester ...	1019·7	−6	SW	3	z_o	58	35	6	-	-	4	0	2-3	-
10	Spurn Head ...	1019·3	0	WSW	2	c	57	65	6	-	-	7	0	10	-
	Catterick ...	1018·3	−4	SW'W	3	c/pr	52	65	8	5	7	-	4-6	9+	2500
	Tynemouth ...	1016·5	−4	WSW	3	c	55	65	6	8	4	-	4-6	7-8	1500
11	St Abbs Head .	1013·2	0	WSW	6	q	51	75	8	7	6	-	4-6	9+	2500
	Leuchars ...	1013·8	+2	WSW	3	c	50	92	6	5	-	-	10	10	1500
12	Renfrew (Abbotsl.)	1014·9	+6	WSW	3	z_o	50	85	6	5	3	-	9+	9+	1500
	Eskdalemuir ...	1016·5	0	S'W	5	c	45	97	6	5	-	-	10	10	800
	Point of Ayre ...	1017·5	−2	W'N	6	c	54	75	8	-	7	-	0	9+	-
13A	Tiree	1010·6	+2	SW'S	6	id.	50	97	6	5	-	-	10	10	800
13B	Stornoway ...	1005·4	−4	SSW	6	r.r.	51	97	7	5	2	-	9	10	2500
15	Dalwhinnie ...	1012·2	−4	SW	5	rr	46	97	6	4	2	1	2-3	10	1500
	Aberdeen ...	1011·3	+2	SSW	3	c	50	86	6	5	7	-	Tr	9	1600
	Wick ...	1006·7	0	SSW	5	c	55	75	8	8	7	8	7-8	9	1500
16	Lerwick ...	1002·2	−18	SW	8	r.r.	49	92	7	6	2	-	9	10	800
17	Blacksod Point	1014·8	+4	SW	6	c	52	92	7	5	-	-	10	10	800
18	Malin Head ...	1013·3	+2	SWW	4	c	53	85	7	8	-	-	9	9	1500
	Aldergrove ...	1016·6	+2	SSW	4	c	51	76	8	5	3	-	7-8	10	1500
19	Birr Castle ...	1018·6	−2	S	1	c	54	76	8	5	-	-	9+	9+	2500
20	Valentia Obsy. †	1020·1	0	SSW	5	c	55	75	8	2	5	1	7-8	9	1500
	Roches Point	1020·7	*	SW	3	bc	52	86	9	1	-	8	2-3	4-6	2500

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

Dist.	Stations. (For heights see p. 4.)	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)	1020·0	+2	-	0	z_o	59	55	5	-	-	1	0	Tr	-	0	*
	Croydon ...	1020·1	+2	-	0	bc+	59	75	3	-	4	1	0	2-3	-	0	*
	S. Farnborough	1019·9	+6	W	1	b	60	65	7	-	-	1	0	1	-	0	*
	Boscombe Down	1020·3	+6	WNW	2	z_o	60	55	6	-	-	1	0	Tr	-	0	*
	Calshot (Sthmtn.)	1020·6	+2	SW'W	1	z_o	51	85	6	-	-	9	0	Tr	-	0	1
	Lympne ...	1021·0	+6	S'E	1	i-f-	44	92	2	-	-	2	0	2-3	-	0	§ 0
	Manston ...	1021·0	+2	-	0	c f-	42	97	2	5	-	6	4-6	7-8	220	0	*
2	Shoeburyness ...	1021·2	+4	ESE	2	cf+	41	97	2	5	-	-	10	10	<150	1	*
	Felixstowe ...	1020·8	+2	SE'S	1	f	41	97	3	-	-	-	10	10	<150	1	0
	Gorleston ...	1020·8	+4	SE'S	3	f	41	92	2	-	-	-	10	10	<150	1	2
	Mildenhall ...	1019·7	+2	SW'W	1	z_o	57	75	6	-	-	1	0	2-3	-	0	*
	Cranwell ...	1019·1	0	SW'W	2	c	55	55	7	-	3	2	0	7-8	-	0	*
3	Birmingham ...	1019·9	0	WNW	2	z_o	58	*	6	-	-	6	0	4-6	-	0	*
	Upper Heyford	1020·3	+4	-	0	b	58	45	7	-	-	1	0	1	-	0	*
4	Ross-on-Wye	1019·8	+4	SW	2	b	59	55	8	-	-	1	0	1	-	0	*
5	Bristol ...	1020·5	+2	W	1	bc	56	55	8	-	-	5	0	2-3	-	0	*
	Portland Bill ...	1020·8	+4	SW	2	bc	48	85	6	4	-	-	4-6	4-6	2500	1	2
	Plymouth ...	1020·7	+2	-	0	z_o	55	75	6	-	3	-	0	Tr	-	0	1
	The Lizard ...	1021·7	+4	N'W	2	bc	54	65	8	7	3	-	2-3	4-6	4000	0	1
	Scilly (St Mary's)	1022·0	+2	NNE	2	bc	49	85	9	5	3	-	1	2-3	4000	0	2
	Guernsey ...	1020·7	+8	-	0	z_o	51	85	5	-	-	-	0	0	-	0	1
6	Pembroke ...	1021·0	−2	W	3	bc	48	85	9	7	7	1	1	4-6	4000	0[1]	1
7	Holyhead ...	1019·0	−4	S'W	4	c	47	85	9	1	4	6	Tr	7-8	800	1	2
	Chester (Sealand)	1019·8	+4	-	0	bc	54	55	7	-	7	6	0	4-6	-	0	*
8	Manchester ...	1019·3	0	NW'N	2	bc	50	55	7	-	4	6	0	4-6	-	0	*
10	Spurn Head ...	1018·5	−6	SW'W	2	c	54	55	5	5	-	8	7-8	7-8	800	0	1
	Catterick ...	1017·8	0	SW	1	c	52	45	8	4	9	2	4-6	7-8	4000	0	*
	Tynemouth ...	1016·5	0	WSW	3	c	55	65	6	8	4	-	4-6	7-8	1500	1	1
11	St Abbs Head .	1013·5	+2	SW	6	q	48	85	8	8	2	-	4-6	7-8	2500	0	2
	Leuchars ...	1013·2	−2	WSW	3	c	52	85	6	5	-	-	9+	9+	1500	1	*
12	Renfrew (Abbotsl.)	1013·9	−6	WSW	4	z_o	51	85	6	5	7	1	7-8	9+	1500	1	*
	Eskdalemuir ...	1016·5	+2	SW	5	c	45	85	7	5	-	1	7-8	9	800	1	*
	Point of Ayre ...	1017·3	−2	W	4	c	53	65	8	5	4	1	4-6	9+	4000	0	2
13A	Tiree	1010·2	−2	SW	6	ir.	50	92	6	5	-	-	10	10	450	1	4
13B	Stornoway ...	1006·4	+2	WSW	3	ir.	49	97	7	5	2	-	7-8	9+	2500	1	1
15	Dalwhinnie ...	1011·5	−4	SW	4	rr	46	97	6	8	6	-	7-8	10	1500	1	*
	Aberdeen ...	1010·8	−4	SW	3	c	51	85	7	-	7	8	0	9+	-	1	1
	Wick ...	1006·9	+6	WSW	4	c	52	85	8	5	9	8	7-8	9+	1500	1	3
16	Lerwick ...	1002·2	+2	SW	8	rr	48	92	6	6	2	-	9	10	800	1	*
17	Blacksod Point	1014·5	−2	S	4	c	51	92	7	5	-	-	10	10	800	1	3
18	Malin Head ...	1013·3	0	SW'W	5	c	52	97	7	8	2	-	7-8	9+	2500	0	3
	Aldergrove ...	1016·1	−4	SW'S	4	c	53	75	8	5	3	-	2-3	7-8	1500	1	*
19	Birr Castle ...	1017·8	−4	S	1	c	54	75	8	5	3	-	4-6	7-8	2500	1	*
20	Valentia Obsy. †	1019·4	−2	SW'S	4	c	52	85	8	5	-	-	9+	9+	800	1	2
	Roches Point	1020·5	*	W'S	3	bc	51	85	9	5	4	1	2-3	4-6	2500	1	2

PAST 24 HOURS.

Dist.	Stations. (For heights see p. 4.)	Weather. 7h.—13h. 23rd. (37)	Weather. 13h.—18h. 23rd. (38)	Weather. 18h. 23rd. to 1h. 24th. (39)	Weather. 1h.—7h. 24th. (40)
1	London (Kew)	ff bz	bc bz_o y	b ff	b ffc
	Croydon ...	o fe f bm	bzz_o yz	bf bm w	bmw
	S. Farnborough	o fe bz_o	bz$_o$ yb	bm$_o$ m	bm bc y f
	Boscombe Down	bff bbc	bcbz_o y	bz$_o$ b	bbc x
	Calshot (Sthmtn.)	bff bm	bm$_o$	bm$_o$ bf$_f$	bf fc
	Lympne ...	fe bm$_o$	bz$_o$ if	bif fem	bf fe
	Manston ...	FFe	ff F	FF d$_o$ bm	[illegible]
2	Shoeburyness ...	fe fem$_o$ o	om$_o$ ffo	o ffe	o fe fe
	Felixstowe ...	o fe ff	ff	o Fe o/bz	o fe bf
	Gorleston ...	c ffe	o ffe	off z o/bz	bbc wm
	Mildenhall ...	bf bcm$_o$ by	cy cbc	b wbm.	bm$_o$ ff x bm
	Cranwell ...	f bcz$_o$ c	czbcy	bcyby	c
3	Birmingham ...	f b	bbcz	bcb	bc
	Upper Heyford	b fm$_o$	bcbz$_o$	bm$_o$	bbcm$_o$
4	Ross-on-Wye	bmz byz$_o$	byz$_o$ by	b	b xc
5	Bristol ...	b fmz	bbcy	bcb	bbcw
	Portland Bill ...	bbz$_o$	bbcz$_o$	bcf	bcz$_o$
	Plymouth ...	bbcc z$_o$	cbcbz$_o$	bz$_o$	bz$_o$ bc
	The Lizard ...	bcc	bc	bcbw	bbcw
	Scilly (St Mary's)	bcc	cbcv	bcbw	bwbc x
	Guernsey ...	bz	bz	bzwm	bmbcz
6	Pembroke ...	bvbc	bcv	bw	b, cw
7	Holyhead ...	cbcc	cbc ⊕	bcwm$_o$	o m$_o$ c
	Chester (Sealand)	bfm$_o$ by	bcy	bz$_o$ y ☾	bbc
8	Manchester ...	bcff z	z$_o$ bcy	bcy bf	bm$_o$ bcf x
10	Spurn Head ...	cz$_o$ c	cm	bm$_o$	bm$_o$ c
	Catterick ...	cr$_o$ c	cir$_o$ cy	cyb	bbc
	Tynemouth ...	cp$_o$ m$_o$	c	co	oc
11	St Abbs Head .	cq	cq	bq	bbccq
	Leuchars ...	coc m$_o$	cm$_o$	cm$_o$ bcq	cq
12	Renfrew (Abbotsl.)	c	cbccz$_o$	cm$_o$ ir$_o$	cm$_o$ r$_o$ r$_o$
	Eskdalemuir ...	c	id$_o$ c	bcc	cr$_o$
	Point of Ayre ...	c	c	c	bcc
13A	Tiree	odd m$_o$	oir$_o$ o	oir	or$_o$ dm
13B	Stornoway ...	cr$_o$ r$_o$	cir$_o$	cr$_o$ r$_o$ id$_o$	cr$_o$ r$_o$
15	Dalwhinnie ...	cr$_o$ r$_o$	cir$_o$ cy	cr r	cR r ir
	Aberdeen ...	cbc we	cr z$_o$	cz$_o$ c	wc
	Wick ...	cpr$_o$ c	c	cpr$_o$ c	cpr$_o$ c
16	Lerwick ...	irrr r$_o$ ≡	crrm$_o$ ≡	cr r$_o$ pr$_o$	cr r pr$_o$
17	Blacksod Point	cq	ir$_o$ c	preq	ircq
18	Malin Head ...	c	c	cid$_o$ c	c
	Aldergrove ...	cc d$_o$ c	c	cbcc	cod$_o$
19	Birr Castle ...	cb	c	cb	bbccid
20	Valentia Obsy. †	c	c	cir$_o$ c	cir$_o$
	Roches Point	bc	bc	bccw	coid

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).
⊕, Solar halo. ☾ lunar halo. ⁄ gale.
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.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. ,, 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.

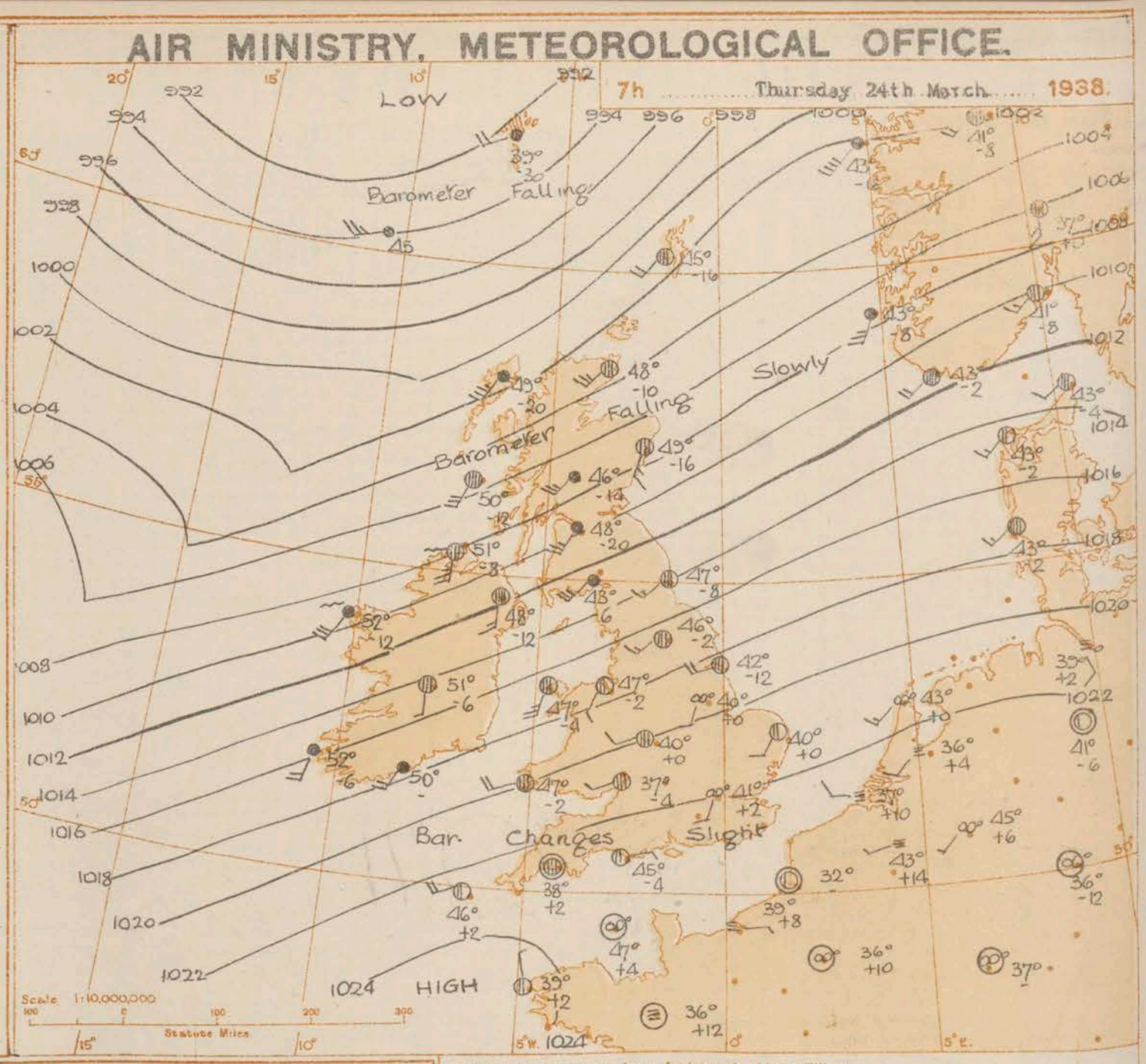
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

[1] See disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 23rd March, 1938

Districts	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 9h. 22nd to 9h. 23rd.	Temperature. (°F.) Max. 9h.—17h. 23rd.	Rainfall. (mm.) Night. 17h. 22nd to 9h. 23rd.	Rainfall. (mm.) Day. 9h.—17h. 23rd.	Sunshine. (Hrs.) Sunrise to 17h. 23rd.	Sunshine. (Hrs.) Sunrise to Sunset. 23rd.
1	Tunbridge W.	ofb	b	40	63	-	-	6.4	7.0
	Bournemouth	b	bfe	40	59	-	-	7.2	9.2
	Ventnor ...	bcm	ocm	44	54	-	-	4.4	9.3
	Southsea ...	b	b	46	58	-	-	8.7	8.5
	Bognor Regis	b	f	41	52	-	-	5.1	7.7
	Littlehampton	b	bof	38	53	-	-	4.0	7.6
	Worthing ...	b	bfccm	40	53	-	-	6.8	8.4
	Brighton ...	bcfc	cf	41	50	-	-	4.7	6.8
	Eastbourne† ...	fcbf	fb	39	52	-	-	2.8	8.8
	Hastings† ...	ofb	bbf	38	53	-	-	5.9	9.6
	Folkestone ...	cmbcb	b	40	55	-	-	6.8	8.4
	Dover ...	fob	bm	41	55	-	-	6.6	7.5
	Deal	f	f	41	46	-	-	0.0	5.5
	Ramsgate ...	m	bcm	42	44	-	-	0.8	7.1
	Margate ...	cf	cf	41	44	-	-	0.0	4.9
2	Southend ...	of	of	39	47	Trace	-	0.0	6.3
	Clacton-on-Sea	ofbcm	bcmf	37	44	Trace	-	0.0	4.3
	Dovercourt ...	ef	ef	38	44	Trace	Trace	0.0	6.1
	Lowestoft ...	ofc	cbcm	39	43	-	-	0.0	0.0
	Skegness ...	bfbc	bc	31	55	Trace	-	4.2	0.6
	Mablethorpe...	bcmb	b	33	60	-	-	4.8	1.1
	Cleethorpes ...	bc	bcc	33	61	-	-	4.1	4.6
3	Leamington S.	cmb	b	32	63	-	-	7.6	4.7
4	Cheltenham†	mwb	b	33	64	-	-	8.8	5.0
5	Bath	b	b	34	64	-	-	8.8	6.7
	Weymouth ...	mb	bbf	42	60	-	-	9.0	9.6
	Jersey ...	b	b	46	64	-	-	10.3	10.3
	Torquay ...	wbbz	bz	43	59	-	-	7.7	7.5
	Falmouth	b	b	45	63	-	-	7.2	2.7
	Penzance ...	bbcb	b	45	60	-	-	7.9	3.2
	St. Ives ...	b	b	44	62	-	-	8.2	0.0
	Bude... ...	cbcb	b	37	51	-	-	8.6	4.5
	Ilfracombe ...	bcb	b	40	52	-	-	9.7	5.8
6	Aberystwyth	xbc	bc	33	53	-	-	10.3	11.1
7	Llandudno ...	b	bbcb	37	55	-	-	9.8	10.6
	Colwyn Bay...	bcb	bcb	34	60	-	-	10.0	11.2
	Rhyl	b	b	32	57	-	-	10.0	10.7
8	Wallasey ...	mbcb	bbc	37	58	-	-	9.8	8.8
	Southport ...	mbcb	bbc	31	58	-	-	8.3	8.7
	Blackpool ...	bcfcm	bcc	32	55	Trace	-	3.7	6.8
	Morecambe ...	cbbmc	cbc	34	51	-	-	2.5	6.0
9	Ilkley... ...	bc	bc	32	59	-	-	4.4	6.4
	Harrogate ...	cbc	bcc	36	57	-	-	5.3	10.1
10	Berwick-on-T.	oc	c	42	53	2	-	1.2	10.2
11	Dunbar ...	bcpr	bc	44	55	0.3	-	0.1	10.2
12	Troon... ...	coc	cbccb	41	52	1	-	0.9	10.0
	Douglas ...	bcw	bc	41	50	-	-	0.3	7.0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th March, 1938.
1 S.E. England 2 E. England ...	Light variable winds, freshening from west; mainly fair today, local showers tomorrow; rather warm.
3 E. Midlands ... 4 W. Midlands ... 5 S.W. England	Moderate southwesterly winds, freshening; becoming cloudy with local slight rain or drizzle at times; close and rather warm at first, then cooler.
6 South Wales ...	As 1.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England	As 2 - 4.
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 Orkney and Shetland 17 N. W. Ireland 18 N. E. Ireland	Moderate to strong southwesterly winds, gale locally at first, veering and moderating later; occasional rain or drizzle; rather mild and close, then cooler.
19 S. E. Ireland 20 S. W. Ireland	Moderate to strong southwest to west wonds; occasional rain or drizzle; rather mild and close today, cooler tomorrow.

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 trough of low pressure is approaching the British Isles from the Atlantic while a belt of high pressure stretches across Central Europe from Russia to southwest of the Azores. It will continue mainly fair in the Southeast but elsewhere there will be rain or drizzle at times in most places.

FURTHER OUTLOOK.

Changeable.

Times of issue of Gale Warnings.

South cone hoisted at 0510 24th in district 13A, 13B and part of 18.
South cone hoisted at 0810 24th in district 15 and 16.

Forecasts issued at 10.30. G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S. Director.

H.M. Stationery Office Press, Kingsway W.C.2

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.

Morning of

THURSDAY 24TH MARCH.

1938.

Mercator's Projection Scale 1·4 × 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ○Clear sky. ◐Sky less than 3/10 clouded. ◑Sky 4/10 to 6/10 clouded. ◕Sky 7/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✱Snow. ✱Sleet. △Hail. ≡Fog. ≡Mist. (ϟ)Thunder. ϟ 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 24th March, 1938.

No. 27881.

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

District	Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0–9 (8)	Cloud. Form. Low (9)	Cloud. Form. Med. (10)	Cloud. Form. High (11)	Cloud. Amount. Low 0–10 (12)	Cloud. Amount. Total 0–10 (13)	Cloud. Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1021·7	+2	SSW	2	m	45	92	4	–	–	–	0	0	–
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1022·2	–4	–	0	m/f	43	97	4	–	–	–	0	0	–
	Manston ...	142	1021·8	–2	S'E	1	m/f	38	97	4	–	–	–	0	0	–
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1020·7	–2	S	3	b	37	85	6	–	–	–	0	0	–
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1021·8	+4	NNE	2	c	43	92	7	4	–	–	4–6	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1022·8	+2	NEN	2	b	45	75	8	–	–	–	0	0	–
	Scilly (St.Mary's)	163	1023·1	–2	WN	2	b	44	92	8	–	–	–	0	0	–
	Guernsey ...	175	1022·6	+3	–	0	m	46	97	4	–	–	–	0	0	–
6	Pembroke ...	142	1021·8	0	W	3	b	46	97	8	5	–	–	1	1	–
7	Holyhead ...	26	1018·8	–6	SW	4	o	47	92	6	5	–	–	10	10	450
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1018·8	–4	SW'S	2	z.	43	85	5	–	–	–	0	0	–
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1015·9	–8	WSW	3	o	51	55	6	5	–	–	10	10	800
11	St Abbs Head ..	280	1012·7	–10	WSW	7	q	46	85	8	2	4	–	2-3	+6	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1017·3	0	SW	2	c	50	85	8	–	7	–	0	9	–
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1006·1	+4	W	2	id.	47	97	7	5	2	–	7-8	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1005·6	–10	SSW	4	c/pr	48	92	8	8	7	–	4-6	9	1500
16	Lerwick ...	156	1004·7	+2	SW	4	c/pr	45	97	7	8	2	–	7-8	10	800
17	Blacksod Point	18	1012·2	–20	S	6	c	50	97	7	5	–	–	10	10	800
18	Malin Head ...	84	1012·3	–4	SW	4	c	50	92	7	8	–	–	7-8	7-8	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1017·1	–10	SSW	4	c/r	51	97	7	9	–	–	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1021·5	+4	WSW	1	f	37	97	3	–	–	1	0	1	–	0	*
	Croydon ...	1021·6	+2	SW	2	z.	41	85	6	–	4	1	0	2-3	–	0	*
	S. Farnborough	1022·0	+4	–	0	bcjf	31	92	6	–	–	2	0	4-6	–	0	*
	Boscombe Down	1022·1	+4	SSW	1	fg	38	85	7	–	–	6	0	7-8	–	0	*
	Calshot (Sthmtn.)	1022·5	+4	–	0	F	37	97	1	–	–	–	10	10	<150	1	0
	Lympne ...	1022·7	+2	S	2	F	37	97	1	–	–	–	10	10	<150	0	§0
	Manston ...	1021·6	+6	SW	3	m	42	97	4	–	–	–	0	0	–	0	*
2	Shoeburyness...	1021·6	+4	–	0	F	40	97	1	–	–	–	0	0	–	1	*
	Felixstowe ...	1021·2	+2	SW	2	F	38	97	3	–	3	–	0	1	–	1	2
	Gorleston ...	1020·5	0	SW'S	2	m	40	92	4	5	–	–	4-6	4-6	450	1	1
	Mildenhall ...	1020·2	0	SSW	2	z.	40	97	5	–	–	1	0	2-3	–	0	*
	Cranwell ...	1019·0	–2	SW'S	3	c	42	65	7	–	5	6	0	7-8	–	0	*
3	Birmingham ...	1019·6	0	WSW	2	c	40	65	7	–	7	2	0	9	–	0	*
	Upper Heyford	1021·2	0	SW'S	2	z.	37	85	6	–	7	6	0	7-8	–	0	*
4	Ross-on-Wye	1020·9	–4	WSW	1	c	37	65	8	–	–	2	0	7-8	–	0	*
5	Bristol ...	1022·0	0	–	0	c	41	97	7	5	4	1	4-6	7-8	450	0	*
	Portland Bill ...	1021·6	–4	E	1	bc	45	85	6	–	4	–	0	2-3	–	1	2
	Plymouth ...	1022·7	+2	–	0	c	38	92	8	–	–	2	0	7-8	–	0	1
	The Lizard ...	1022·7	0	WSW	1	bc	44	92	8	7	7	–	2-3	4-6	4000	0	1
	Scilly (St.Mary's)	1022·6	+2	WSW	4	bc	46	92	9	5	4	4	Tr	4-6	4000	0	2
	Guernsey ...	1022·6	+4	–	0	z.	47	85	5	1	7	–	2-3	4-6	4000	1	1
6	Pembroke ...	1020·1	–2	SW'W	4	c	47	92	8	5	7	7?	2-3	9	2500	1	2
7	Holyhead ...	1016·8	–4	SSW	5	c	47	92	8	5	2	–	7-8	10	450	1	2
	Chester(Sealand)	1018·7	–2	SW'S	2	bc	47	785	8	5	7	–	2-3	4-6	4000	0	*
8	Manchester ...	1018·8	+2	–	0	f	38	55	3	5	3	2	1	4-6	5700	3	*
10	Spurn Head ...	1017·8	–12	SW'W	4	c	42	75	6	–	–	7	0	10	–	0	2
	Catterick ...	1016·0	–2	SW	3	c	46	85	7	8	7	6	7-8	7-8	1500	0	*
	Tynemouth ...	1014·2	–8	SW	3	c	47	85	6	8	4	–	4-6	7-8	1500	0	1
11	St Abbs Head ..	1011·3	–8	WSW	5	c	46	85	8	4	3	–	4-6	7-8	2500	0	2
	Leuchars ...	1009·7	–6	SW	4	c	49	85	8	5	7	–	7-8	9+	1500	0	*
12	Renfrew (Abbots I.)	1010·3	–20	SW'S	5	r.r.	48	97	6	5	–	–	10	10	450	1	*
	Eskdalemuir ...	1013·2	–6	SW	6	r.r.	43	97	6	–	2	–	10	10	220	1	*
	Point of Ayre...	1014·5	–12	SWW	4	c	49	92	8	5	7	–	4-6	10	1500	0	2
13A	Tiree	1005·5	–14	SW'S	6	o	50	97	6	5	–	–	10	10	1500	1	3
13B	Stornoway ...	1001·1	–20	SW	7	r.r.	49	97	7	5	2	–	7-8	10	1500	1	3
15	Dalwhinnie ...	1007·9	–14	SW	5	ir	46	85	6	5	6	–	4-6	10	1500	1	*
	Aberdeen ...	1007·2	–16	SSW	3	c	49	85	8	5	7	9	1	7-8	1500	1	1
	Wick ...	1003·1	–10	SW	5	c	48	92	8	8	7	8	4-6	9	1500	1	3
16	Lerwick ...	1001·4	–16	SW	4	c	45	92	8	8	9	1	4-6	7-8	1500	1	*
17	Blacksod Point	1008·2	–12	SW	6	ir	52	97	7	6	–	–	10	10	220	1	4
18	Malin Head ...	1007·8	–8	S	5	c	51	92	8	5	8	–	4-6	9+	1500	0	4
	Aldergrove ...	1012·1	–12	S	3	c/d	48	92	7	5	–	–	10	10	800	1	*
19	Birr Castle ...	(1014·5	–6	S	1	c/d	51	92	8	5	–	–	9+	9+	1500	1	*
20	Valentia Obsy. †	1016·0	–6	SSW	4	ir.	52	97	5	5	–	–	10	10	450	1	3
	Roches Point	1017·6	*	SW	4	id	50	97	5	5	–	–	10	10	450	1	3

PAST 24 HOURS.

District	Stations.	Temperatures. 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 Hrs. (36)
1	London (Kew)	62	34	28	–	Tr	5·9
	Croydon ...	64	41	37	–	–	4·9
	S. Farnborough	65	30	24	–	Tr	5·2
	Boscombe Down	65	36	27	–	–	8·6
	Calshot (Sthmtn.)	55	36	33	–	Tr	7·7
	Lympne ...	57	35	31	–	0·1	7·8
	Manston ...	46	37	34	–	Tr	0·1
2	Shoeburyness...	48	38	37	Tr	0·1	0·0
	Felixstowe ...	43	37	36	–	Tr	0·0
	Gorleston ...	43	37	36	–	–	0·0
	Mildenhall ...	64	34	30	–	Tr	6·4
	Cranwell ...	61	36	30	–	–	9·1
3	Birmingham ...	62	40	34	–	–	9·8
	Upper Heyford	65	34	25	–	–	*
4	Ross-on-Wye	64	33	23	–	–	10·7
5	Bristol ...	62	36	26	–	–	9·3
	Portland Bill ...	56	43	*	–	–	*
	Plymouth ...	57	38	30	–	–	6·3
	The Lizard ...	60	41	*	–	Tr	6·7
	Scilly (St.Mary's)	52	43	*	–	–	10·0
	Guernsey ...	60	44	35	–	–	10·7
6	Pembroke ...	50	45	*	–	Tr	10·8
7	Holyhead ...	52	486	43	–	–	9·6
	Chester(Sealand)	62	36	29	–	–	9·9
8	Manchester ...	60	33	25	–	–	8·8
10	Spurn Head ...	60	40	*	–	–	3·0
	Catterick ...	55	44	35	Tr	–	0·4
	Tynemouth ...	58	46	41	Tr	–	1·1
11	St Abbs Head ..	52	45	*	–	–	*
	Leuchars ...	52	45	47	–	–	0·0
12	Renfrew (Abbots I.)	53	47	46	–	2	1·3
	Eskdalemuir ...	49	42	40	Tr	Tr	0·3
	Point of Ayre...	57	45	*	–	–	1·0
13A	Tiree	50	48	48	0·2	2	0·0
13B	Stornoway ...	52	46	*	2	2	0·0
15	Dalwhinnie ...	48	44	43	5	10	1·0
	Aberdeen ...	51	49	46	Tr	–	0·0
	Wick ...	55	47	*	–	0·5	*
16	Lerwick ...	50	43	*	3	1	0·0
17	Blacksod Point	53	47	*	Tr	2	*
18	Malin Head ...	53	48	*	–	Tr	0·0
	Aldergrove ...	54	46	45	Tr	Tr	1·0
19	Birr Castle ...	58	44	*	–	0·2	1·6
20	Valentia Obsy. †	56	51	49	–	0·6	2·9
	Roches Point	55	48	*	–	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.
Kew	18	off bz	bcbz.y	bfbflfc	62	34	28	–	Tr	5·9	*	*	5
Croydon	217	ofefbm	bz.yz	bfbmw	64	41	37	–	Tr	4·9	*	*	6
Greenwich (Royal Observatory)...	149	f bm	bm	bfxbyl	61	37	28	–	Tr	3·8	68	39	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·6	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	60	41	35	–	–	2·7	67	57	*
Regents Pk. (Botanic Gardens)‡...	166	*	*	*	58	40	31	–	–	0·0	52	59	*
Camden Square	110	of	of	*	58	41	31	–	–	*	*	48	*
Kensington	80	bm	bm	*	59	41	30	–	–	1·2	78 18h.	56	*
Hampstead Observatory ...	450	bc	bc	bcm	62	41	35	–	–	0·3	*	61	*

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

South Kensington. Max.	Time.	Min.	Time.
1·3	18–22h 23rd	0·6	5–7h 24th

Kew Observatory. Max.	Time.	Min.	Time.
1·4	20h 23rd	0·1	16h 23rd

FOREIGN OBSERVATIONS

18h G.M.T. 23rd March

Stations.	Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.
Paris	1019·4	–	0	z.	61
Brussels	1019·9	NW	2	b	55
Berlin	1017·4	NNE	1	z.	59
Zurich	1019·5	N	1	bc	55
Rome	1021·3	SSE	2	c	55

7h G.M.T. 24th March

Barom. mb	Wind. Direc	Wind. Force	Weather.	Temp. °F.
1023·1	–	0	b	36
1022·4	WSW	1	F	43
1021·5	NNW	1	m	48
1023·2	N	1	m	41
1022·6	E	1	o	52

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
70	*	–	*
68	40	–	–
70	43	–	–
64	39	–	–
*	*	3	0·4

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. : Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 25th March, 1938.

No. 27882.

District	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 24th March. Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1019.5	-1.4	SWW	4	c	60	55	7	-	-	6	0	7-8	-
	Croydon ...	1019.9	-1.4	SWW	3	c	62	45	6	-	-	6	0	9+	-
	S. Farnborough	1019.9	-1.4	SWW	4	c	59	55	6	-	-	6	0	9+	-
	Boscombe Down	1020.3	-1.6	SW	3	c	59	55	8	-	-	8	0	9	-
	Calshot (Sthmtn.)	1021.1	-1.4	SW	3	Z_o	57	65	6	-	-	8	0	9	-
	Lympne ...	1021.5	-1.2	ESE	2	m/f	50	92	4	5	-	6	4-6	9	450
	Manston ...	1019.8	-1.4	WSW	3	Z_o	62	55	6	-	-	6	0	7-8	-
2	Shoeburyness ...	1019.7	-1.2	SSW	2	Z_o	62	55	6	-	-	6	0	7-8	-
	Felixstowe ...	1019.0	-1.8	S	3	Z_o	57	65	5	-	-	8	0	4-6	-
	Gorleston ...	1017.5	-2.0	SW'S	4	bc	62	35	6	-	-	1	0	4-6	-
	Mildenhall ...	1018.0	-1.6	WSW	5	bc	62	45	7	-	-	5	0	2-3	-
	Cranwell ...	1016.3	-1.8	SW'S	5	Z_o	58	55	6	-	5	6	0	7-8	-
3	Birmingham ...	1017.7	-1.6	WSW	4	c	55	45	8	-	4	6	0	9	-
	Upper Heyford	1019.2	-1.6	WSW	4	c	59	55	7	-	-	2	0	9+	-
4	Ross-on-Wye	1018.3	-1.6	SW	4	bc	58	35	8	-	5	8	0	4-6	-
5	Bristol ...	1020.2	-1.4	WSW	3	c	57	55	8	1	4	8	2-3	7-8	4000
	Portland Bill ...	1021.0	-6	SW	2	bc	50	75	8	1	-	-	2-3	4-6	2500
	Plymouth ...	1021.7	-6	SSW	3	c	54	85	8	7	5	7	1	9+	1500
	The Lizard ...	1022.2	-4	SWW	3	c	53	85	8	4	7	-	4-6	7-8	2500
	Scilly (St.Mary's)	1021.3	-1.2	SWW	5	id.	51	92	6	5	-	-	10	10	1500
	Guernsey ...	1022.6	-2	WN	2	c	58	55	7	-	1	8	0	7-8	-
6	Pembroke ...	1018.7	-6	SW	5	id.	48	92	7	5	2	-	7-8	10	1500
7	Holyhead ...	1013.8	-2.0	SSW	6	r.	49	97	6	5	-	-	10	10	220
	Chester(Sealand)	1016.1	-1.4	WSW	3	a	56	65	8	8	7	8	7-8	9+	2500
8	Manchester ...	1015.3	-2.2	SW	4	c	56	65	7	7	7	2	4-6	9	4000
10	Spurn Head ...	1015.1	-1.8	SSW	4	c	60	55	7	-	-	8	0	7-8	-
	Catterick ...	1012.4	-2.2	SW'S	3	c	53	75	7	5	7	5	4-6	9+	1500
	Tynemouth ...	1011.0	-1.2	SW	5	c	52	75	6	8	-	-	9+	9+	1500
11	St. Abbs Head ...	1006.4	-2.4	W	8	q	51	92	8	8	6	2	4-6	9	1500
	Leuchars ...	1005.4	-2.4	SW	4	c	54	85	7	5	-	-	10	10	1500
12	Renfrew (Abbotsl.)	1006.7	-2.2	SWW	4	r.	51	97	6	5	2	-	7-8	10	800
	Eskdalemuir ...	1009.2	-2.4	SSW	5	rf	46	97	2	-	2	-	10	10	150
	Point of Ayre...	1010.6	-1.4	SWW	5	r.	52	97	7	5	2	-	1	10	800
13A	Tiree	1003.2	-6	SWW	5	d.	50	97	4	5	-	-	10	10	220
13B	Stornoway ...	999.4	0.	W	6	r.	47	97	6	5	2	-	7-8	10	1500
15	Dalwhinnie ...	1003.4	-3.0	SW	5	ir	49	92	6	5	1	-	4-6	10	1500
	Aberdeen ...	1003.3	-1.8	SW'S	5	c	53	85	7	5	7	-	9	9+	1500
	Wick ...	998.2	-2.0	SSW	6	q	51	85	8	8	7	8	7-8	9	1500
16	Lerwick ...	993.7	-4.8	SW	8	rr	48	97	6	6	2	-	9	10	450
17	Blacksod Point	1009.5	+4	W	5	bc	54	92	7	2	3	-	2-3	4-6	1500
18	Malin Head ...	1005.6	-1.0	SWW	5	jp	53	92	6	8	-	-	9	9	800
	Aldergrove ...	1008.4	-2.2	SW'S	5	ir	53	92	8	6	-	-	10	10	800
19	Birr Castle ...	1012.6	-4	SSW	2	ir	54	97	7	5	-	-	10	10	2500
20	Valentia Obsy. †	1015.7	0	SWW	5	m	53	97	4	5	-	-	10	10	220
	Roches Point	1015.9	*	WSW	3	9/d	53	97	8	5	-	-	10	10	800

District	Stations.	OBSERVATIONS at 18h. G.M.T. 24th March. Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1017.4	-8	SW'S	4	Z_o	58	55	6	-	7	8	0	9+	-	0	*
	Croydon ...	1018.2	-6	SW'S	4	Z_o	57	55	6	-	4	4	0	9+	-	0	*
	S. Farnborough	1017.7	-10	SW'S	4	c	54	55	7	-	5	2	0	9+	-	0	*
	Boscombe Down	1018.2	-4	SW'W	3	c	53	65	7	-	2	6	0	9	-	0	*
	Calshot (Sthmtn.)	1019.4	-1.0	SW'S	4	c	49	65	8	-	7	2	0	7-8	-	0	2
	Lympne ...	1019.8	-6	SSW	3	jf	45	92	4	5	-	2	2-3	7-8	<150	0	§ 2
	Manston ...	1018.2	-6	SW	4	c	52	75	6	-	-	6	0	9	-	0	*
2	Shoeburyness ...	1017.3	-1.0	SW'S	4	c	56	65	6	-	4	8	0	7-8	-	0	*
	Felixstowe ...	1016.6	-1.0	SSW	3	Z_o	55	65	6	-	-	6	0	9	-	0	2
	Gorleston ...	1015.4	-8	SW'W	3	c	61	65	6	5	5	1	2-3	7-8	2500	0	2
	Mildenhall ...	1015.8	-6	WSW	4	c	56	55	8	-	7	8	0	7-8	-	0	*
	Cranwell ...	1013.5	-1.4	SW'S	4	c	56	55	7	5	7	-	4-6	9+	5700	0	*
3	Birmingham ...	1015.5	-6	SW	3	rr	50	92	6	6	-	-	10	10	1500	1	*
	Upper Heyford	1017.0	-8	WSW	4	c	54	45	8	1	2	1+	Tr	9+	5700	0	*
4	Ross-on-Wye	1016.2	-1.4	SW	4	c/pr	51	85	8	6	1	-	*	10	2500	0	*
5	Bristol ...	1017.9	-1.2	WSW	2	c	53	85	7	5	-	-	10	10	4000	0	*
	Portland Bill ...	1019.3	-8	SW	3	c	48	85	8	4	4	-	4-6	9	2500	1	3
	Plymouth ...	1020.1	-6	SW	4	d.	49	97	5	6	-	-	10	10	450	0	2
	The Lizard ...	1020.2	-6	SW'W	4	r.	49	97	6	5	-	-	10	10	1500	1	1
	Scilly (St.Mary's)	1019.5	-6	W'S	4	rf	50	97	1	-	-	-	10	10	<150	1	3
	Guernsey ...	1022.1	-4	W	2	bc	51	65	8	-	7	9	0	4-6	-	0	1
6	Pembroke ...	1015.7	-8	SW	6	d	48	85	4	5	-	8	10	10	2500	1	3
7	Holyhead ...	1011.7	-8	SW	5	cf+	48	97	3	5	-	-	10	10	450	1	3
	Chester(Sealand)	1012.7	-1.4	SW'W	4	ir.	54	75	7	5	2	-	7-8	9+	1500	1	*
8	Manchester ...	1012.0	-2.0	SSW	4	ir.	51	92	5	5	2	-	9+	10	450	1	*
10	Spurn Head ...	1012.4	-2.6	SW'S	4	c	54	45	6	5	-	-	10	10	2500	0	2
	Catterick ...	1009.8	-1.0	SW	4	id.	52	85	6	5	2	-	9	10	1500	0	*
	Tynemouth ...	1007.7	-1.2	SW	4	c	53	75	6	8	-	-	9+	9+	1500	0	1
11	St. Abbs Head ...	1003.9	0	WSW	8	c/pr	50	85	8	3	6	-	4-6	9	1500	1	3
	Leuchars ...	1002.1	-1.0	WSW	5	c	53	85	7	5	-	2	9	9+	1500	1	*
12	Renfrew (Abbotsl.)	1005.2	+2	WSW	4	id	51	92	6	5	-	-	10	10	800	1	*
	Eskdalemuir ...	1005.6	-6	WSW	6	ir.	48	97	5	-	2	-	10	10	<150	1	*
	Point of Ayre...	1009.0	-6	W	5	c	53	97	8	4	7	1	Tr	9	2500	1	3
13A	Tiree	1005.8	+2.4	WNW	5	c	46	75	7	8	3	-	4-6	7-8	1500	0	3
13B	Stornoway ...	1001.2	+1.2	WSW	4	c/pr	42	97	8	8	7	9	7-8	9+	4000	1	3
15	Dalwhinnie ...	1003.7	0	WSW	5	ir	46	85	6	5	6	-	4-6	10	1500	1	*
	Aberdeen ...	1000.1	-6	SSW	4	c	54	85	6	4	3	9	4-6	7-8	2500	1	2
	Wick ...	999.1	+6	WNW	5	c	46	85	8	8	7	-	7-8	9+	1500	1	2
16	Lerwick ...	994.4	+2	W	6	c	45	85	8	8	7	-	4-6	7-8	1500	1	*
17	Blacksod Point	1011.4	+1.4	W	4	c	48	92	7	5	-	-	9	9	800	1	3
18	Malin Head ...	1007.6	+8	NW	5	c/d	46	97	6	6	-	-	9+	9+	800	1	4
	Aldergrove ...	1008.8	+1.0	WSW	4	c/r	51	92	8	5	-	-	10	10	1500	1	*
19	Birr Castle ...	1012.6	-2	SSW	2	c	54	85	7	5	-	-	9	9	2500	1	*
20	Valentia Obsy. †	1015.3	+2	W'S	4	Z_o	52	97	6	5	-	-	10	10	450	1	3
	Roches Point	1014.8	*	WSW	3	id.	53	97	8	5	-	-	10	10	800	1	3

PAST 24 HOURS.

District	Stations.	Weather. 7h.—13h. 24th (37)	Weather. 13h.—18h. 24th (38)	Weather. 18h. 24th–1h. 25th (39)	Weather. 1h.—7h. 25th (40)
1	London (Kew)	bfbc$_2$c	cyc$_2$y	cyc$_1$r$_o$	r$_o$c$_1$r$_o$
	Croydon ...	bm$_2$y$_o$	cybc$_2$	c$_2$r$_o$r$_o$	m$_1$r$_o$r$_1$r
	S. Farnborough	jfbc$_2$y	cbc$_2$y$_o$	c$_1$r$_1$r$_o$	r$_1$r$_1$r$_o$
	Boscombe Down	bc$_2$y	cy	c$_o$r$_r$	c$_o$r$_o$r$_o$
	Calshot (Sthmtn.)	offebc$_m$	c$_m$bc$_y$	bc$_o$r$_o$r$_m$	c$_o$r$_r$c$_m$
	Lympne ...	Fe$_c$m	c$_m$bc$_2$	bfbc$_o$i$_r$	c$_m$r$_r$ff
	Manston ...	bmbc$_2$y	bcc$_2$	cbc$_o$r$_r$	c$_o$r$_o$m$_o$o
2	Shoeburyness ...	oF bc$_2$	c$_b$c$_2$y$_o$c	c$_m$o	o$_1$r$_o$m$_o$o
	Felixstowe ...	bfbm	bcbz$_y$c$_2$	c$_2$r$_o$r$_o$m$_o$	r$_o$r$_o$m$_o$
	Gorleston ...	bcm$_2$y	bccq$_y$	bc$_o$c$_o$	o$_1$r$_o$o
	Mildenhall ...	bm$_o$c$_2$y	bc$_y$c$_y$	c$_r$r$_o$c$_1$r$_o$	c$_1$r$_1$r$_o$m$_o$
	Cranwell ...	cbc$_2$y$_o$	c$_2$y$_o$c$_y$	c$_y$c	c$_1$d$_o$
3	Birmingham ...	cbcc	cor	orr	o
	Upper Heyford	cm$_o$c	cy	cd$_o$c	o$_1$c
4	Ross-on-Wye	cybc$_y$	c$_y$c$_c$p$_o$	c	c$_p$o$_c$
5	Bristol ...	bccbc$_y$	bc$_y$c	cir$_o$m$_o$	o$_r$r$_o$
	Portland Bill ...	bc	bcc	ordf	oRf
	Plymouth ...	bcc$_2$c	cd$_o$d$_o$dm$_o$	od$_D$D$_o$m	o$_D$r$_D$m
	The Lizard ...	bcc	c$_r$r	r$_o$rff	Ffpr
	Scilly (St.Mary's)	coid$_o$	oidirff	oir$_o$ff	ir$_o$FF
	Guernsey ...	bz$_b$c	cbc	bcodr	orr
6	Pembroke ...	cqid$_o$c	cqidrfm$_o$	idFFc	fepr$_o$
7	Holyhead ...	d$_o$d$_o$r$_o$o	rrd$_o$fo	ofd$_o$b$_o$c	iR$_r$o$_r$c
	Chester(Sealand)	bcc	cr$_o$ir$_o$	cir$_o$c	c$_r$o$_r$rhom$_o$
8	Manchester ...	bcffc	c$_r$o$_r$m$_o$	crbcr	c$_r$o$_r$r
10	Spurn Head ...	c	c	cp$_o$c	co
	Catterick ...	cm$_o$c	cod$_o$m$_o$	ddd$_o$bc	id$_o$d$_o$d$_o$
	Tynemouth ...	cbcc	c	cp$_o$o	obcc
11	St. Abbs Head	cq	pr$_o$qc	cqbcb	cpr$_o$c
	Leuchars ...	pr$_o$qc	cir$_o$cq	cbcqb	b$_c$xc
12	Renfrew (Abbotsl.)	cid$_o$r$_o$	r$_o$rccd$_o$	bepr$_o$b	bccpr$_o$
	Eskdalemuir ...	r$_o$r$_o$f	r$_o$r$_o$i$_r$	ir$_o$m$_o$bcb	bbc
	Point of Ayre...	cr$_o$c	t$_o$r$_o$c	errc	c
13A	Tiree	oird$_o$d$_o$	omdiR	bccid	cpr$_q$
13B	Stornoway ...	crr	crrpr	bccph$_o$q	cprphr$_q$
15	Dalwhinnie ...	cir	cirr	cPRb	ciris
	Aberdeen ...	c	cpr$_o$c	cPRb	bbcc
	Wick ...	cq	c	cprbc	cps$_o$
16	Lerwick ...	fecrr	cir	bccpr	cphr
17	Blacksod Point	iD	iDR	pcc	prcq
18	Malin Head ...	crr$_i$de	c$_i$de	cbcpbc	cphrc
	Aldergrove ...	o$_r$r$_o$m$_o$c	cqc	ind$_o$c	c
19	Birr Castle ...	coir$_o$	oirc	c	cprc
20	Valentia Obsy. †	iDomm$_o$	omfeidr	qrcc	circ
	Roches Point	oddo	oidid$_o$	oid$_o$c	circ

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.
9, 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).
⊕, Solar halo. ◑ lunar halo. ⁄ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—be/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.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. „ 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.

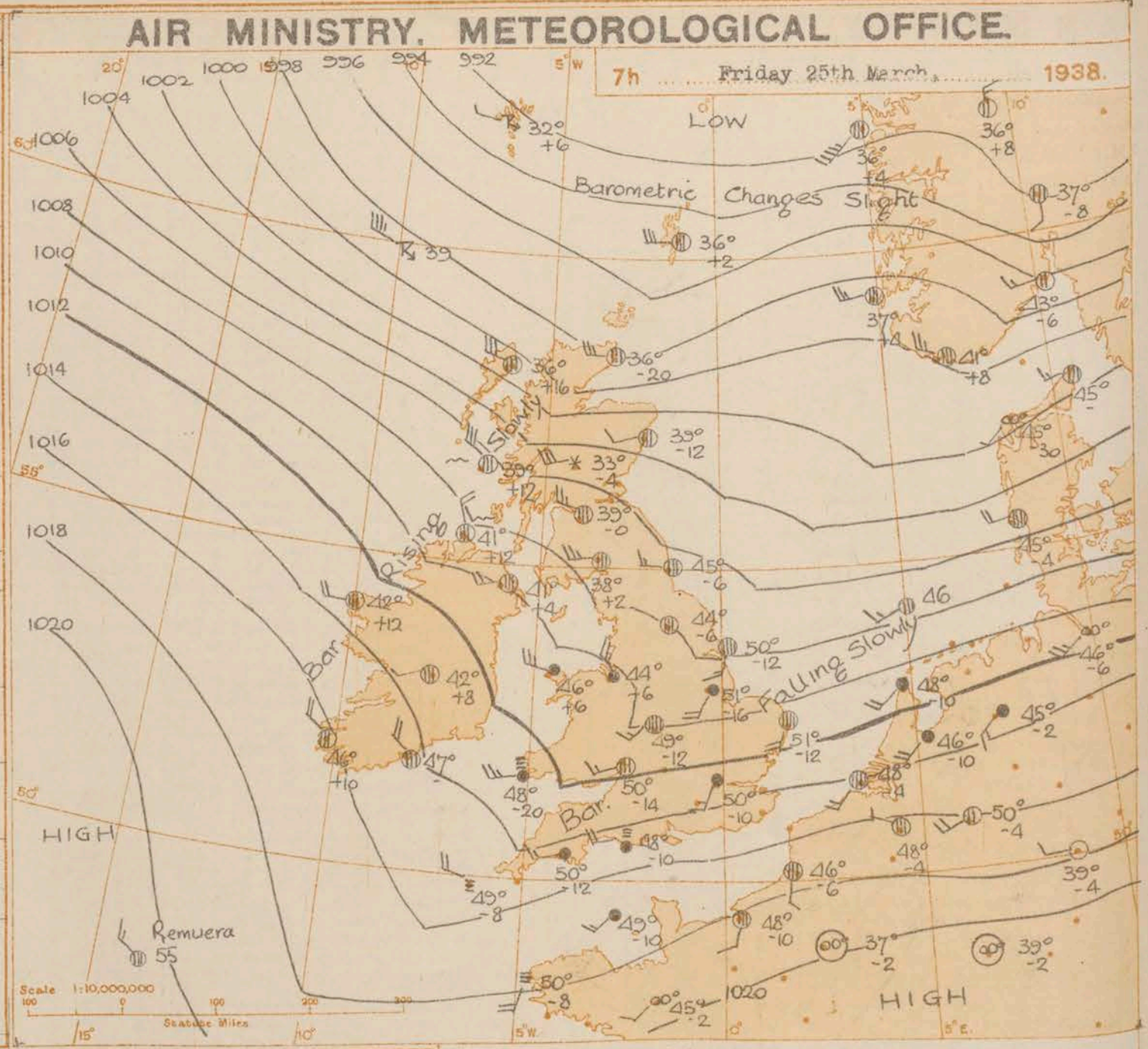
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† See disturbance reported from Dunsenea.

REPORTS from HEALTH RESORTS for 24th March. 1938.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature (°F.) Min. 9h. 23rd to 9h. 24th.	Temperature (°F.) Max. 9h.—17h. 24th.	Rainfall (mm.) Night. 17h. 23rd to 9h. 24th.	Rainfall (mm.) Day. 9h.—17h. 24th.	Sunshine (Hrs.) Sunrise to 17h. 24th.	Sunshine (Hrs.) Sunrise to Sunset. 23rd.
1	Tunbridge W.	b	bbcb	33	63	-	-	7·6	6·5
	Bournemouth	b	b	35	61	-	-	9·0	7·2
	Ventnor ...	omb	bbcb	38	55	-	-	6·5	4·4
	Southsea ...	b	b	41	59	-	-	6·7	9·0
	Bognor Regis	focbc	bcb	38	51	-	-	3·5	5·1
	Littlehampton	ofo	ocbc	39	52	-	-	3·3	4·0
	Worthing ...	o	bc	40	50	-	-	2·8	6·8
	Brighton ...	c	cbc	40	46	-	-	0·1	4·7
	Eastbourne† ...	mcb	bbc	38	50	0·1	-	6·7	2·8
	Hastings† ...	cffc	bc	38	46	Trace	-	2·5	5·9
	Folkestone ...	ofc	ofcam	37	47	-	-	0·2	6·8
	Dover ...	fo	fo	39	45	Trace	-	0·0	6·6
	Deal	b	bbcb	39	62	-	-	8·1	0·0
	Ramsgate ...	bc	bc	41	63	-	-	9·5	0·8
	Margate ...	bc	bc	39	64	-	-	9·5	0·0
2	Southend ...	bf	b	38	64	Trace	-	7·8	0·0
	Clacton-on-Sea	bcbfm	bbcm	38	59	Trace	-	8·0	0·0
	Dovercourt ...	fb	bc	35	64	Trace	-	8·2	0·0
	Lowestoft ...	b	bz,bc	37	66	-	-	9·3	0·0
	Skegness ...	bbc	bcc	36	62	-	-	7·0	4·2
	Mablethorpe ..	bcyb	bccy	37	62	-	-	7·2	4·8
	Cleethorpes ...	bc	bcc	37	62	-	-	5·4	4·1
3	Leamington S.	bcc	c	34	59	-	-	5·9	8·1
4	Cheltenham†	cybc	bcc	33	58	-	-	5·8	9·0
5	Bath	cbcb	bbcc	37	61	-	-	5·7	9·4
	Weymouth ...	mb	b	37	58	-	-	8·8	5·1
	Jersey ...	b	bbc	43	60	-	-	10·3	11·0
	Torquay ...	wbzb	bbcc	37	59	-	-	8·5	7·8
	Falmouth	b	coddr	38	56	-	0·6	5·7	7·2
	Penzance ...	bcbbc	coddr	40	56	-	3	4·8	8·6
	St. Ives ...	b	pr	43	59	-	3	4·4	8·2
	Bude... ...	bc	bccor	33	53	-	1	5·6	9·1
	Ilfracombe ...	bc	bcer	42	54	-	1	5·2	10·7
6	Aberystwyth	cbcc	crr	37	52	-	2	1·4	11·3
7	Llandudno ...	c	cr,dc	42	56	-	0·2	0·7	10·5
	Colwyn Bay...	c	cpc	45	53	-	0·3	1·4	10·7
	Rhyl	bcc	cr,	44	53	-	Trace	0·3	10·7
8	Wallasey ...	c	p,c	42	55	-	Trace	1·6	10·5
	Southport ...	bcco	cop,o	35	54	-	Trace	0·8	8·9
	Blackpool ...	emo	idoro	36	50	-	2	0·0	4·0
	Morecambe ...	circ	irc	40	50	-	3	0·0	3·0
9	Ilkley... ...	cbc	cbco	37	58	-	-	1·5	4·7
	Harrogate ...	cbc	bcc	40	58	-	-	1·8	5·3
10	Berwick-on-T.	c,	c	46	53	-	-	0·2	1·2
11	Dunbar ...	bc	cpr,	49	58	-	Trace	1·7	0·1
12	Troon... ...	cocrr	orror	44	50	1	4	0·0	0·9
	Douglas ...	cfid,	omid	45	49	0·3	1	0·0	0·4

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h.



Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 25th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Moderate southwest winds, veering and freshening; dull and rainy at first, later bright periods with squally showers of rain or hail; much colder than of late.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate to strong squally northwesterly winds; bright periods, occasional rain or hail, perhaps thunder locally; much colder than of late.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man 13 A. W. Scotld. B.N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland	Moderate to strong squally northwesterly winds; bright periods, occasional rain or hail with thunder locally; snow on high ground; much colder than of late.
17 N. W. Ireland 18 N. E. Ireland	As 2 - 6.
19 S. E. Ireland 20 S. W. Ireland	Moderate to fresh northwesterly winds; bright periods, occasional rain or hail; colder than of late.

H.M. Stationery Office Press, Kingsway W.C.2

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 trough of low pressure over Southern England is moving eastwards and a ridge of high pressure is developing to the west of the British Isles. Weather will be colder than of late generally with squally showers of rain or hail in most areas. On the high ground in Scotland there will be snow at times and later probably also in North Wales and the Midlands.

FURTHER OUTLOOK.

Changeable and rather cold.

Forecasts issued at 10.30 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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.

Morning of

FRIDAY 25TH MARCH.

1938.

No 00h Russian observations received.*

Mercator's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ◯Clear sky. ◔Sky less than 3/10 clouded. ◑Sky 4/10 to 6/10 clouded. ◕Sky 7/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✱Snow. ✱Sleet. △Hail. ≡Fog. ≡Mist. (Z)Thunder. Z 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 25th March, 1938.
No. 27882.

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

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)	°F. Temp. (6)	% Humid. (7)	Visibility 0-9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0-10 (12)	Amount. Total 0-10 (13)	Height of Base. (feet) (14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1016·4	-14	SSW	3	c/r	49	92	6	5	-	-	10	10	800
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1017·8	-14	SW	3	ir	45	92	6	-	2	-	10	10	800
	Manston ...	142	1016·1	-14	SW'W	4	ir.	46	92	7	-	2	-	10	10	5700
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1013·3	-14	SSW	3	r.r.	51	85	6	6	-	-	10	10	1500
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1016·4	-10	WSW	4	df	48	92	2	5	-	-	10	10	4150
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1017·7	-20	SW'W	4	rf	45	97	3	5	-	-	10	10	450
	Scilly (St. Mary's)	163	1017·1	-22	W'S	4	rf	48	97	1	-	-	-	10	10	4150
	Guernsey ...	175	1020·4	-14	SW'W	3	rr	48	97	7	5	-	-	10	10	2500
6	Pembroke ...	142	1013·6	-12	SW	5	F	48	97	1	-	-	-	10	10	4150
7	Holyhead ...	26	1010·8	-10	SW'W	3	c	49	92	7	5	2	-	2-3	10	450
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	o	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1010·7	-8	SSW	4	c	51	92	6	5	-	-	7-8	7-8	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1008·2	+2	W	3	o	50	75	7	5	-	-	10	10	1500
11	St. Abb's Head ...	280	1005·8	+4	W	6	q	43	65	8	-	4	-	0	2-3	-
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1010·3	+6	WNW	2	c	46	97	8	5	1	-	9	10	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1002·7	0	WSW	4	phr	37	85	7	8	-	-	7-8	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1001·5	+8	W	3	bc	36	85	8	5	1	-	2-3	4-6	1500
16	Lerwick ...	156	999·8	+2	W	6	c/pr	40	85	8	8	-	-	7-8	7-8	1500
17	Blacksod Point	18	1012·2	-4	W	4	bc	45	85	8	3	-	-	4-6	4-6	2500
18	Malin Head ...	84	1008·5	-4	W	4	bc/pr	43	75	7	8	-	-	4-6	4-6	2500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1014·9	0	W	3	df	48	97	3	-	-	-	10	10	4150
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0-12 (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0-9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0-10 (26)	Amount. Total 0-10 (27)	Height of Base (feet) (28)	State of Ground. 0-9 (29)	Sea. 0-9 (30)
1	London (Kew)	1012·6	-14	SW	3	r.r.	51	85	6	6	2	-	7-8	10	1500	1	*
	Croydon ...	1013·5	-10	SSW	3	r.r.	50	92	7	6	2	-	4-6	10	800	1	*
	S. Farnborough	1012·5	-16	SW	4	r.r.	50	97	6	6	2	-	9	10	800	1	*
	Boscombe Down	1012·5	-20	SSW	4	r.r.	49	97	6	5	-	-	10	10	800	1	*
	Calshot (Sthmtn.)	1014·7	-18	SSW	4	rr	49	97	6	6	-	-	10	10	450	1	2
	Lympne ...	1014·7	-14	SW	4	F	47	97	6	-	-	-	10	10	<150	1	§2
	Manston ...	1013·3	-14	SW'W	4	c/r	49	97	7	6	2	-	9	10	450	1	*
2	Shoeburyness ...	1013·2	-10	SSW	4	ir.	50	92	5	5	-	-	10	10	450	1	*
	Felixstowe ...	1012·3	-14	SW'S	3	ir.	49	92	6	5	-	-	10	10	450	1	2
	Gorleston ...	1010·6	-12	SSW	4	o	51	92	6	6	-	-	10	10	2500	1	2
	Mildenhall ...	1010·4	-16	SW'S	4	ir.	51	97	6	6	2	-	9	10	1500	1	*
	Cranwell ...	1008·9	-8	SSW	4	id.	50	97	7	5	-	-	10	10	1500	0	*
3	Birmingham ...	1009·4	-12	SW	3	o	49	92	6	5	-	-	10	10	800	1	*
	Upper Heyford	1011·2	-26	SW	4	c/d	50	97	7	6	2	-	7-8	10	450	1	*
4	Ross-on-Wye	1010·8	-14	SW'W	3	c	50	85	7	5	1	-	9	9+	2500	1	*
5	Bristol ...	1012·0	-16	WSW	3	r.r.	51	97	5	6	-	-	10	10	450	1	*
	Portland Bill ...	1014·0	-10	WSW	4	rf	48	92	3	5	-	-	10	10	4150	1	3
	Plymouth ...	1013·8	-12	WSW	3	id.	50	97	4	-	2	-	10	10	4150	1	2
	The Lizard ...	1015·1	-2	W'N	4	of	49	97	2	5	-	-	10	10	450	1	2
	Scilly (St. Mary's)	1014·8	-8	WNW	4	F	49	97	1	-	-	-	10	10	4150	1	3
	Guernsey ...	1017·2	-10	SW	3	r.r.	49	97	7	5	-	-	10	10	2500	1	2
6	Pembroke ...	1010·4	-20	W'S	5	pcf	48	97	2	-	-	-	10	10	4150	1	3
7	Holyhead ...	1010·4	+6	WNW	5	ir.	46	85	8	1	2	-	2-3	10	1500	1	2
	Chester (Sealand)	1010·6	+6	NW'N	5	r.r.	44	92	6	6	2	-	7-8	10	800	1	*
8	Manchester ...	1009·2	+2	NW	3	rr	44	85	6	6	2	-	7-8	10	800	1	*
10	Spurn Head ...	1007·8	-12	S'W	3	o	50	92	6	5	-	-	10	10	800	0	2
	Catterick ...	1007·8	-6	-	0	c/d	44	92	8	5	2	-	7-8	10	1500	1	*
	Tynemouth ...	1007·2	-6	W	3	c	45	75	6	8	-	-	9	9	1500	1	1
11	St. Abb's Head ...	1005·3	-4	W	4	c/pr	40	75	8	8	6	-	4-6	9+	2500	0	3
	Leuchars ...	1004·4	-2	WSW	3	c	39	85	8	5	7	-	4-6	9+	2500	1	*
12	Renfrew (Abbotsl.)	1006·4	0	W'N	5	c	39	92	8	5	2	-	4-6	10	1500	1	*
	Eskdalemuir ...	1006·6	+2	W'S	5	c	38	85	8	5	-	2	4-6	7-8	1500	1	*
	Point of Ayre ...	1009·2	0	NW	5	c	43	85	8	8	6	-	4-6	7-8	1500	1	3
13A	Tiree	1007·2	+12	NW	6	c	39	75	7	8	7	-	4-6	7-8	1500	0	4
13B	Stornoway ...	1000·9	+16	WNW	6	c/phr	36	75	8	8	5	-	4-6	7-8	1500	1	3
15	Dalwhinnie ...	1004·6	-4	WSW	6	is.	33	85	6	4	1	-	2-3	10	1500	4	*
	Aberdeen ...	1002·4	-12	SW'W	2	c	39	75	8	5	2	8	1r	9+	2500	1	1
	Wick ...	999·8	-20	W	5	c/ps.	36	85	8	5	2	-	7-8	10	1500	1	2
16	Lerwick ...	999·2	+2	W	6	c/phr	36	92	8	8	7	-	4-6	7-8	1500	4	*
17	Blacksod Point	1013·1	+12	W	4	c	42	92	8	5	-	-	10	10	800	1	3
18	Malin Head ...	1009·3	+12	NNW	4	c/r	41	75	8	8	-	-	9+	9+	2500	1	4
	Aldergrove ...	1010·1	+4	W'S	4	c	41	75	8	5	2	-	7-8	10	2500	1	*
19	Birr Castle ...	1012·7	+8	WSW	1	c	42	92	8	5	-	-	7-8	7-8	2500	1	*
20	Valentia Obsy. †	1016·4	+10	NW'N	4	c	46	75	8	8	7	-	9	10	1500	1	3
	Roches Point	1014·0	*	NW	4	c	47	92	8	5	-	-	7-8	7-8	1500	1	2

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 24h Hrs. (36)
1	London (Kew)	62	48	47	-	2	8·5
	Croydon ...	64	48	45	-	2	6·9
	S. Farnborough	62	47	44	-	1	9·5
	Boscombe Down	62	47	46	-	3	7·8
	Calshot (Sthmtn.)	58	47	45	-	3	6·3
	Lympne ...	53	41	36	-	5	4·4
	Manston ...	63	44	41	-	3	9·2
2	Shoeburyness ...	64	48	45	-	3	8·0
	Felixstowe ...	62	47	45	-	3	8·1
	Gorleston ...	65	49	47	-	2	8·7
	Mildenhall ...	64	50	47	-	2	8·5
	Cranwell ...	60	48	45	-	Tr	5·8
3	Birmingham ...	59	48	47	1	2	5·3
	Upper Heyford	61	50	47	-	0·6	*
4	Ross-on-Wye	59	49	47	Tr	0·1	4·2
5	Bristol ...	59	53	49	-	3	5·9
	Portland Bill ...	51	46	*	-	6	*
	Plymouth ...	54	49	48	Tr	5	6·5
	The Lizard ...	54	(45)	*	*	4	5·8
	Scilly (St. Mary's)	53	48	*	*	3	3·2
	Guernsey ...	61	48	43	-	5	10·6
6	Pembroke ...	53	46	*	2	2	0·7
7	Holyhead ...	49	46	43	3	5	0·0
	Chester (Sealand)	59	44	43	0·1	5	1·4
8	Manchester ...	61	44	43	0·5	3	2·3
10	Spurn Head ...	60	48	*	-	Tr	4·4
	Catterick ...	54	43	42	Tr	0·5	0·2
	Tynemouth ...	55	45	40	-	Tr	2·0
11	St. Abb's Head ...	53	40	*	Tr	Tr	*
	Leuchars ...	54	37	32	Tr	-	0·8
12	Renfrew (Abbotsl.)	52	39	36	3	0·5	0·3
	Eskdalemuir ...	48	38	35	7	0·5	0·0
	Point of Ayre ...	57	43	*	1	1	1·1
13A	Tiree	51	37	36	3	1	0·2
13B	Stornoway ...	51	35	*	4	2	2·0
15	Dalwhinnie ...	54	33	30	0·4	1	1·8
	Aberdeen ...	55	37	32	Tr	1	1·0
	Wick ...	54	34	*	2	Tr	*
16	Lerwick ...	50	35	*	2	1	0·7
17	Blacksod Point	54	40	*	2	1	*
18	Malin Head ...	54	38	*	6	1	0·1
	Aldergrove ...	54	40	36	0·6	Tr	0·1
19	Birr Castle ...	56	*	*	2	4	0·1
20	Valentia Obsy. †	53	46	42	3	2	0·0
	Roches Point	55	47	*	1	3	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning (24 hrs. ended 9h)	Weather. Afternoon (24 hrs. ended 9h)	Weather. Night (24 hrs. ended 9h)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day mm.	Rainfall. Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity. 15h. G.M.T. % (Yesterday)	Humidity. 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	bfbcz.c	cycz.y	cyc ir.s.	62	48	47	-	2	8·5	*	*	5
Croydon	217	bm.z.y⊕	cybcz.	c.s.m.ir	64	48	45	-	2	6·9	*	*	7
Greenwich (Royal Observatory) ...	149	bc⊕	bccy	cir ir.	65	49	46	-	2	7·4	41	90	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	7·1	*	*	*
Westminster (St James' Park) ...	27	*	*	*	65	51	47	2		7·5	45	89	*
Regents Pk. (Botanic Gardens) ...	166	*	*	*	64	49	44	-	3	3·9	52	93	*
Camden Square	110	bc	b	*	65	50	44	-	3	*	*	91	*
Kensington	80	bcz	bcbcz	*	65	50	47	-	2	8·2	At 18h. 50	92	*
Hampstead Observatory	450	bc	bc	odr	63	47	45	-	3	7·9	*	98	*

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 24th March. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.	7h. G.M.T. 25th March. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.
Paris	1020·2	-	0	bc	64	1019·3	-	0	z.	37
Brussels	1019·4	W	2	bc	57	1016·1	WNW	1	c.	48
Berlin						1015·4	SSW	3	z.	46
Zurich	1021·5	N	1	b	57	1022·2	NE	1	m	39
Rome	1022·1	-	0	c	57	1022·2	ENE	2	bc	50

Past 24 Hours.

Max. Day °F	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
71	36	-	-
68	45	-	-
	41		-
66	37	-	-
*	*	-	-

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. ... 25th

South Kensington.

Max.	Time.	Min.	Time.
0·3	9-10h 24th	<0·3	1-3h 25th

Kew Observatory.

Max.	Time.	Min.	Time.
0·3	8h 24th	<0·1	4h. 25th

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 31 m.

COLUMN 30.—Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director

† 1 hr. observations are from Valentia W/T Station.

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday 26th March, 1938.
No. 27883.

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

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)	1009.2	-1.4	SW	3	r.r.	54	85	6	6	2	-	10	10	450.
	Croydon ...	1009.8	-1.8	SWW	4	c/d	53	85	6	6	2	-	9+	10	800.
	S. Farnborough	1009.6	-1.4	WSW	4	r	54	85	6	6	2	-	9	10	800.
	Boscombe Down	1010.6	-.8	WN	4	id.	52	92	7	5	2	-	9	9+	800
	Calshot (Sthmtn.)	1011.8	-1.4	SSW	4	z.	52	92	6	5	2	-	9+	10	450.
	Lympne ...	1010	-2.4	SW	5	d	48	97	2	-	-	-	10	10	<150.
	Manston ...	1009.2	-2.7	SW	5	c/r	51	92	7	6	2	-	9+	10	800.
2	Shoeburyness ...	1009.0	-2.0	SW	4	c	53	85	7	5	4	-	9	10	1500.
	Felixstowe ...	1007.9	-2.6	SW	5	c/d	52	92	6	5	2	-	7-8	10	800.
	Gorleston ...	1007.2	-1.0	NW	4	r.r.	52	97	6	6	-	-	10	10	1500.
	Mildenhall ...	1008.5	+.2	NWN	4	rr	44	92	6	6	2	-	7-8	10	2500.
	Cranwell ...	1008.8	+.6	WSW	3	c/r	44	92	6	5	2	-	9	10	2500.
3	Birmingham ...	1010.7	0	WNW	3	o	44	85	6	6	-	-	10	10	1500.
	Upper Heyford	1010.8	+1.0	NW	4	c/r	43	92	6	6	2	-	7-8	10	800.
4	Ross-on-Wye	1011.4	+.8	W'N	4	c	48	65	9	8	-	-	10	10	2500.
5	Bristol ...	1011.8	+.2	NW	3	r.	48	85	7	5	-	-	10	10	1500.
	Portland Bill ...	1011.2	-.8	WSW	4	o	48	92	7	5	-	-	10	10	1500.
	Plymouth ...	1013.5	-.6	NW	3	r.r.	48	85	8	6	1	-	9	10	1500.
	The Lizard ...	1014.9	0	NNW	5	c	47	97	8	8	2	-	9	10	1500.
	Scilly (St. Mary's)	1016.2	+1.2	N'W	5	c	49	92	8	4	1	-	2-3	10	1500.
	Guernsey ...	1015.0	-1.4	W'S	4	c	51	97	5	5	-	-	10	10	800.
6	Pembroke ...	1015.1	+1.6	NW	4	q	47	75	8	8	2	-	7-8	9+	2500.
7	Holyhead ...	1011.8	+.4	WNW	4	c	44	75	9	1	2	-	1	9+	2500.
	Chester (Sealand)	1011.8	+1.2	NW	5	r.r.	41	85	6	6	1	-	7-8	10	1500.
8	Manchester ...	1011.0	+1.4	WNW	4	r.r.	41	85	7	-	2	-	10	10	2500.
10	Spurn Head ...	1006.4	-.2	NWW	5	q	46	85	6	5	-	-	10	10	1500.
	Catterick ...	1007.9	+.6	WNW	3	d	42	75	8	5	7	5	4-6	9	1500.
	Tynemouth ...	1006.3	-.4	W	4	c	45	4#5	6	5	-	-	7-8	7-8	1500.
11	St Abbs Head .	1004.7	0	WNW	6	c/phr	42	55	9	2	8	1	2-3	7-8	1500.
	Leuchars ...	1004.5	+.2	WNW	5	bc	45	55	9	2	-	-	2-3	2-3	4000
12	Renfrew (Abbots I.)	1008.2	+.8	N'W	5	bc/phr	38	97	8	3	-	1	4-6	4-6	2500.
	Eskdalemuir ...	1006.7	0	WNW	6	bc	43	45	8	5	3	-	4-6	4-6	4000.
	Point of Ayre...	1010.2	0	NW	4	c	47	75	8	2	4	-	4-6	7-8	2500.
13A	Tiree	1008.3	+.2	W'N	4	bc/rs	40	85	8	3	6	-	4-6	4-6	1500.
13B	Stornoway ...	1009.1	+.4	WNW	7	c	41	65	8	8	7	9	4-6	10	2500.
15	Dalwhinnie ...	1006.1	+.2	NW	5	bc	37	65	8	4	6	-	2-3	2-3	2500.
	Aberdeen ...	1002.5	-.2	WNW	5	psh	44	45	8	8	-	9	4-6	4-6	2500.
	Wick ...	999.6	0	WNW	6	c/phr	35	85	8	8	7	-	4-6	7-8	1500.
16	Lerwick ...	993.6	-.6	W	4	c/ps	36	85	8	8	7	-	7-8	9	1500.
17	Blacksod Point	1013.9	0	W	5	bc	46	75	9	2	-	3	4-6	4-6	2500.
18	Malin Head ...	1010.3	+.2	W	3	bc	47	55	8	2	8	-	2-3	4-6	4000.
	Aldergrove ...	1010.9	-.4	WNW	3	c	46	55	8	2	7	-	7-8	7-8	2500.
19	Birr Castle ...	1014.2	+.2	WSW	2	c	46	75	8	7	1	-	4-6	9	1500.
20	Valentia Obsy. †	1017.6	+.4	NWW	3	c	48	75	8	5	7	-	7-8	9+	1500.
	Roches Point	1016.4	•	NW	4	c	47	85	8	9	1	-	4-6	7-8	1500.

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

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)	1012.0	+1.4	NW	3	r.r.	42	85	5	-	2	-	10	10	1500	1	*
	Croydon ...	1012.0	+1.4	NNW	3	r.r.	41	92	5	6	2	-	7-8	10	800.	1	*
	S. Farnborough	1012.3	+1.8	NNW	3	r.r.	41	92	6	6	2	-	4-6	10	1500	1	*
	Boscombe Down	1012.8	+1.4	NNW	3	c/r	45	75	8	9	7	-	4-6	7-8	1500	1	*
	Calshot (Sthmtn.)	1012.4	+1.0	WNW	3	c/r	47	75	7	5	2	-	4-6	10	4000	1	2
	Lympne ...	1011.2	+1.4	N'W	3	r.r.	42	85	6	6	2	-	2-3	10	1500.	1	5
	Manston ...	1010.4	+1.2	NWN	2	r.r.	43	92	6	6	2	-	2-3	10	450	1	
2	Shoeburyness ...	1011.3	+1.6	W'N	2	rr	41	92	5	6	2	-	7-8	10	800	1	*
	Felixstowe ...	1010.8	+1.8	NW	4	rr	40	97	6	6	2	-	9	10	450	1	3
	Gorleston ...	1009.3	+1.2	NNW	2	c/r	40	85	6	6	-	-	9+	9+	2500	1	2
	Mildenhall ...	1010.0	+.8	WNW	4	c	42	85	7	-	7	-	0	9	-	1	*
	Cranwell ...	1010.2	+.6	W'S	3	bc	43	65	6	5	4	-	2-3	4-6	4000	1	*
3	Birmingham ...	1012.3	+.4	WNW	3	z.	42	65	6	1	7	-	1	4-6	2500	1	*
	Upper Heyford	1012.6	+1.4	NW	3	c	40	85	7	5	4	2	Tr	9+	1500	1	*
4	Ross-on-Wye	1013.1	+.8	WNW	3	bc	45	55	9	1	1	2	1	4-6	2500	0	*
5	Bristol ...	1013.2	+1.0	NNW	3	c	45	75	7	8	1	-	2-3	7-8	2500	1	*
	Portland Bill ...	1013.6	+1.2	WNW	3	c	47	85	7	5	7	-	7-8	10	2500	1	3
	Plymouth ...	1015.3	+1.4	NW	3	pr.	47	75	8	9	7	-	7-8	9+	1500	1	1
	The Lizard ...	1016.2	+.6	NW'N	4	c	46	75	8	8	3	-	4-6	9+	1500	1	2
	Scilly (St. Mary's)	1016.9	+.2	NW	5	c	47	75	8	5	3	-	4-6	10	1500	1	3
	Guernsey ...	1014.5	+1.0	NW'N	3	o	47	85	7	5	-	-	10	10	2500	1	3
6	Pembroke ...	1015.1	+.2	WNW	3	pr.	44	85	7	8	4	-	4-6	9	2500	1	2
7	Holyhead ...	1011.8	0	W	4	c/p	45	55	9	8	4	-	7-8	7-8	4000	1	2
	Chester (Sealand)	1012.1	+.6	W'N	3	bc	43	65	7	2	4	-	Tr	2-3	2500	1	*
8	Manchester ...	1011.1	+.4	WNW	4	c	43	65	8	8	3	-	9	9	2500	1	*
10	Spurn Head ...	1008.2	+.6	WNW	6	q	44	75	7	2	3	-	2-3	4-6	450	1	3
	Catterick ...	1008.5	+.8	W'N	3	b	43	45	8	2	-	-	Tr	Tr	4000	0	*
	Tynemouth ...	1007.3	+1.2	WNW	3	bc	44	45	7	2	-	-	2-3	2-3	1500	0	2
11	St Abbs Head .	1005.6	0	WNW	6	q	40	55	8	8	4	9	2-3	4-6	2500	0	4
	Leuchars ...	1004.7	+.2	W	4	pr.	40	65	8	9	-	-	9	9	1500	0	*
12	Renfrew (Abbots I.)	1005.7	-.1.8	W	3	bc/pr	34	97	8	8	4	3	4-6	4-6	800	1	*
	Eskdalemuir ...	1007.1	-.6	WSW	5	bc	39	55	8	8	-	1	2-3	2-3	2500	1	*
	Point of Ayre...	1009.9	-.2	W	3	pr	43	75	8	8	6	-	7-8	7-8	1500	1	2
13A	Tiree	1008.4	+1.2	NWW	8	PHR	36	85	7	3	-	-	9+	9+	800	1	4
13B	Stornoway ...	1008.6	+.4	WNW	7	ps	35	92	6	8	-	-	10	10	1500	1	4
15	Dalwhinnie ...	1008.1	-.2	WNW	4	rs	32	92	6	6	-	-	10	10	1500	4	*
	Aberdeen ...	1003.4	+1.4	WNW	3	prs	34	92	5	9	-	-	10	10	1500	1	2
	Wick ...	999.7	+.6	WNW	7	c/phr	37	75	8	8	7	-	4-6	7-8	1500	1	3
16	Lerwick ...	994.2	+1.0	W	4	c/ps	35	75	8	8	7	-	4-6	7-8	1500	1	*
17	Blacksod Point	1015.7	+1.6	WNW	5	bc	43	85	8	3	-	-	4-6	4-6	2500	1	4
18	Malin Head ...	1009.3	-.1.0	NNW	6	jp	43	75	8	2	-	4	4-6	7-8	2500	1	5
	Aldergrove ...	1010.9	+.4	W	4	bc/pr	39	85	8	8	-	-	2-3	2-3	1500	1	*
19	Birr Castle ...	1014.8	+.8	NW	2	bc/pr	44	75	8	3	-	1	4-6	4-6	1500	1	*
20	Valentia Obsy. †	1018.9	+1.0	N'W	4	bc	46	75	8	8	-	-	4-6	4-6	1500	1	3
	Roches Point	1016.9	•	NW	5	bc	47	75	9	3	4	1	2-3	4-6	1500	1	2

PAST 24 HOURS.

Weather. 7h.—13h. 25th (37)	13h.—18h. 25th (38)	18h.–25th to 1h. 26th (39)	1h.–7h. 26th (40)
cr.r.m.	cr.r.m.	r.bcbm.	bx
r.d.m.	crrar.	cr.r.bm.	bc.m.b
cr.irm.c	cRir.m.c.	or.m.b	bxv
crrcld.	ld.r.r.c.	cbcb	bbx
crrcfccm.	cirRm.	cbcbw	bw
Frr.	ffqrr.	or.q.rbx	bbcbxw
cir.r.r.	crr.	qrr.bm.	bc.m.b
cir.circ	kqrrrst	crrm.b	bw
r.r.ld.m.	crriRq.	cr.m.bcb	b
or.r.	r.r.c.	cbz.	bxbc
cr.ddrr	crrm.q.	cbcbw	bx
ld.r.r.	rq.r.r.	bcbm.	bm.xb
or.rc	or.c.	bc	bc.prs
cd.r.r.	cr.rc.	cbbccr	cbc
c	cv.	bvbcb	bbcc
or.r.cr.	cpr.c.	bcbbc	bcxw
ofo.	occ.	bc	bcb
pld.r.r.	r.r.cpr.	bcprm.b	b
ffdpr	c	cbc	bc
ldFFc	c	cbc	bc
or.rd	airif.	oidc	cbc
cir.q.	pr.q.c.	bcq	bcq
r.c	cbcy⊕	ph.q.bc	bc
rrr.r.hm.	cr.bcyb.	bbcm.phr	bcprpr.
cr.r.	cr.dcc.	bccprphq	bc
orr.cq.	cq.pr.	cbq	cbq
cpr.c.	pr.s.by.	ybpr.b	bxb
c	cbcq.	bc	bbc
cphqy.	bcqy.	bcq	bcq.b
pr.vqy.	bccpr.	cq.prsb	bx
prs.ph.	bcpr.	prtbcW	phs.bc
ir.psnbc	bcpsbcy.	ps.bcb	bbx
cir.c	cbcc.	cphrs	bcpr.
cphRS	RssPHq.	phrbc	cphq
cphr.PH.	cphrphps.	cbcPHSq	bcqphs
cis	Cis	•	cis
cps.bc	bcq.cps.	cps.b	bps.v
phrsq.	phrsq.	cq	cphsq
sss.s.ps.	cps.	cphs	phpsq
bc	pr.cq.	bc	irc
cbc	phrc	cphrbcPHR	c
irobccy.	prs.prq.	pr.ph.b	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).
⊕, Solar halo. ☽ lunar halo. ⁄ gale.
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.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 . . Ground covered with thawing snow.
7 . . ,, 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.

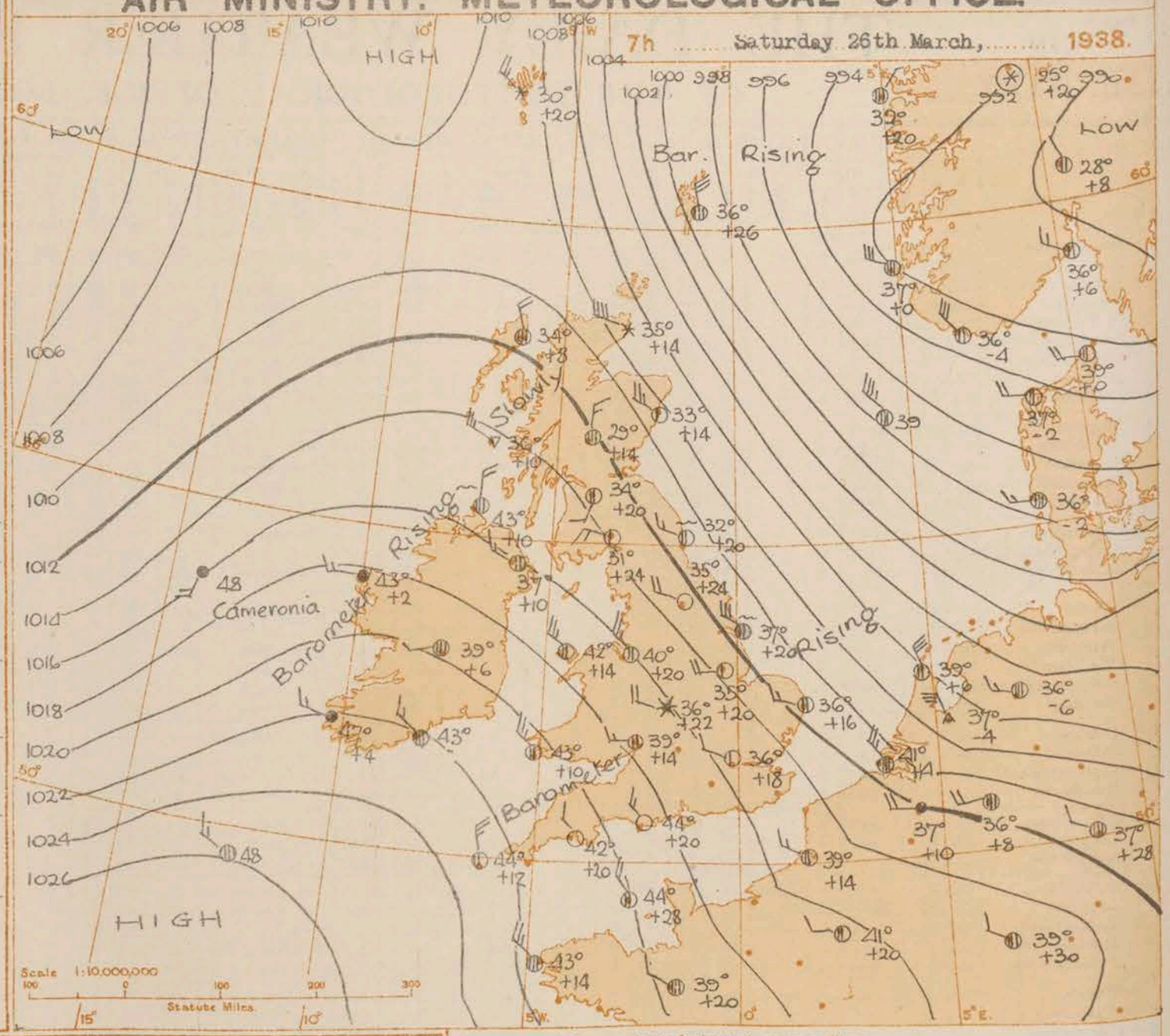
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† See disturbance reported from Dungeness

REPORTS from HEALTH RESORTS for 25th March 1938.

Districts.	Stations.	Weather Fore-noon.	Weather After-noon.	Temperature (°F.) Min. 9h. 24th to 9h. 25th	Temperature (°F.) Max. 9h.—17h. 25th	Rainfall (mm.) Night. 17h. 24th to 9h. 25th	Rainfall (mm.) Day. 9h.—17h. 25th	Sunshine (Hrs.) Sunrise to 17h. 25th	Sunshine (Hrs.) Sunrise to Sunset. 24th
1	Tunbridge W.	oro	oro	46	51	4	6	0.0	7.6.
	Bournemouth	o	cr,o	48	55	5	1	0.1	9.1.
	Ventnor ...	orm	ormo	47	49	4	6	0.0	6.9.
	Southsea ...	oro	or	46	52	5	4	0.0	6.9.
	Bognor Regis	roir	rrc	42	50	4	3	0.0	3.5.
	Littlehampton	orir	oRro	41	49	4	5	0.0	3.3.
	Worthing ...	oir	oir	43	49	5	5	0.0	3.4.
	Brighton ...	roror	rr	42	48	5	5	0.0	0.1
	Eastbourne† ...	r,r,	rrr,	47	49	5	6	0.0	6.7.
	Hastings† ...	orod,	odoro	46	49	6	4	0.0	2.5.
	Folkestone ...	ofrod	omoor	42	49	5	4	0.0	0.2.
	Dover ...	rro	rro	44	49	2	5	0.0	0.0.
	Deal	rrp	rr	46	52	3	3	0.0	8.1.
	Ramsgate ...	cod	odr	46	52	3	5	0.0	9.5.
	Margate ...	cr	cr	47	53	3	4	0.0	9.5.
2	Southend ...	or	or	46	52	*	3	0.0	7.8.
	Clacton-on-Sea	oirm	oirm	*43	52	4	2	0.0	8.0.
	Dovercourt ...	roc	roc	45	53	5	3	0.0	8.2.
	Lowestoft ...	oir	oir	48	53	5	5	0.0	9.3.
	Skegness ...	oir	roc	47	51	0.3	3	0.0	7.0
	Mablethorpe...	or	or [illegible]	48	52	2	4	0.0	7.2.
	Cleethorpes ...	cr	c [illegible]	45	46	2	3	0.4	5.4.
3	Leamington S.	oro	oc	*45	*49.	3	0.4	0.0	5.9.
4	Cheltenham†	oir,	oir,	48	51	2	1	0.0	5.8.
5	Bath	dr,c	c	49	53	2	0.3	0.0	5.7.
	Weymouth ...	fmid	p,c	48	52	6	0.2	0.0	8.8.
	Jersey ...	orc	rcor	47	51	3	2	0.0	10.7.
	Torquay ...	o	c	49	56	1	-	0.7	8.5.
	Falmouth	mddmo	o	49	54	5	0.3	0.0	5.7.
	Penzance ...	domdd	oc	49	53	5	1	0.0	4.8.
	St. Ives ...	pr	pr	45	58	4	5	0.0	4.4.
	Bude... ...	odmo	obo	47	49	9	1	0.0	5.6.
	Ilfracombe ...	rorrm	drobo	46	50	7	Trace	0.9	5.2.
6	Aberystwyth	prc	obc	42	48	11	2	1.0	1.4.
7	Llandudno ...	cro	obco	44	46	14	2	0.9	0.8.
	Colwyn Bay...								
	Rhyl	roor	obob	45	47	9	1	1.2	0.3.
8	Wallasey ...	iro	obo	42	47	7	1	2.7	1.6.
	Southport ...	oiro	oboo	42	48	8	1	2.4	0.9.
	Blackpool ...	or	obop	43	46	6	1	2.5	0.1
	Morecambe ...	oroo	bobbo	43	47	3	1	3.5	0.0
9	Ilkley... ...	op,oo	obo	42	48	3	Trace	1.7	1.5.
	Harrogate ...	o	ob	42	48	3	-	2.5	1.8.
10	Berwick-on-T.	oobo	bob	41	46	Trace	-	5.7	0.2.
11	Dunbar ...	om,	bo	39	45	Trace	-	6.8	1.7
12	Troon... ...	coobo	bbobo	38	47	2	-	5.3	0.0.
	Douglas ...	ci',	cprbo	40	46	1	1	2.9	0.0.

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.



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

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 26th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate northwest to west winds; bright periods with rain or hail showers today, cloudier tomorrow with occasional local rain or drizzle; rather cold today, sharp frost locally tonight, milder tomorrow.
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 Orkney and Shetland ♠	Moderate to fresh squally northwesterly winds, backing towards southwest; bright periods with squally rain or hail showers at first, later becoming cloudy with occasional rain or sleet, snow on high ground; rather cold today, sharp night frost locally, then milder.
17 N. W. Ireland 18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate westerly winds, backing temporarily; cloudy, occasional rain or drizzle; becoming milder.

H.M. Stationery Office Press, Kingsway, W.C.2

GENERAL INFERENCE

A ridge of high pressure moving eastwards across the British Isles will be followed by a trough of low pressure from the Atlantic. Apart from local squally rain or hail showers weather will be mainly bright but rather cold at first but later milder and cloudier conditions will spread from the west, probably reaching eastern districts early tomorrow.

FURTHER OUTLOOK.

Changeable.

Times of issue of Gale Warnings.

♠ North cone hoisted at 2300 on 25/3/38 in districts 10, 11, 15 and 16.

Forecasts issued at 10.30 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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.

Morning of

SATURDAY 26TH MARCH.

1938.

Stereographic Projection Scale 1: 4 × 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ○ Clear sky. ◔ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✱ Snow. ✱ Sleet. △ Hail. ≡ Fog. ≡ Mist. (ϟ) Thunder. ϟ 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 26th March, 1938.
No. 27883.

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

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	1013·8	+2	WSW	3	z.	37	85	6	–	3	–	0	4-6	–
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1014·1	+1	WNW	3	z.	35	97	6	–	–	–	0	0	–
	Manston ...	142	1012·7	+2	W	3	b	36	85	6	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1010·0	–4	SW	3	b	36	85	6	–	–	–	0	0	–
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1016·2	+2	WNW	3	bc	44	85	8	4	–	–	4-6	4-6	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1019·1	+6	NW	4	bc	44	85	8	3	–	–	2-3	2-3	2500
	Scilly (St. Mary's)	163	1020·2	+10	NW	5	bc	45	75	8	4	–	–	2-3	2-3	2500
	Guernsey ..	175	1017·4	+4	NW	3	c	45	85	8	8	–	–	7-8	7-8	2500
6	Pembroke ...	142	1016·9	+4	WNW	4	q	43	75	8	8	–	–	2-3	2-3	2500
7	Holyhead ...	26	1014·9	+16	NW	6	bc	43	75	7	8	–	–	2-3	2-3	1500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1007·8	–4	WN	6	q	40	92	7	–	–	–	0	0	–
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1007·5	+12	WNW	4	bc	35	65	7	2	–	–	2-3	2-3	1500
11	St Abb's Head ..	290	1007·0	+14	W	6	q	35	75	8	2	6	–	2-3	4-6	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1012·3	+18	NW	6	pr.	41	85	7	8	–	–	7-8	7-8	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1009·2	+14	NW	5	bc	35	75	7	3	–	–	4-6	4-6	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1008·5	+16	WNW	6	c	36	75	8	9	1	–	4-6	7-8	1500
16	Lerwick ...	156	1006·3	+20	NW	7	c/hr	37	75	8	8	7	–	4-6	7-8	1500
17	Blacksod Point	18	1018·6	+8	WNW	4	bc	43	55	8	4	–	–	2-3	2-3	4000
18	Malin Head ...	84	1012·8	+22	NW	4	bc/hr	42	65	7	9	–	–	4-6	4-6	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1022·0	+6	WNW	5	b	45	85	8	–	–	–	0	0	–
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
London (Kew)	1016·2	+20	WNW	3	b	38	75	7	5	–	–	1	1	2500	1	*
Croydon ...	1016·0	+18	WN	2	b	36	85	7	4	–	–	Tr	Tr	4000	1	*
S. Farnborough	1017·0	+20	WN	3	b	35	85	8	–	–	–	0	0	–	1	*
Boscombe Down	1017·7	+18	WNW	3	b	35	97	8	5	–	–	Tr	Tr	5700	1	*
Calshot (Sthmtn.)	1017·7	+20	W	3	b	38	92	7	–	–	–	0	0	–	1	2
Lympne ...	1015·5	+14	WNW	4	b	35	92	7	–	–	1	0	Tr	–	1	§2
Manston ...	1014·2	+8	NW	5	b	39	75	7	1	–	–	1	1	2500	1	*
Shoeburyness ...	1014·8	+18	NW	4	b	37	85	8	1	5	–	Tr	1	1500	1	*
Felixstowe ...	1013·3	+20	WNW	4	b	38	75	8	–	–	–	0	0	–	1	3
Gorleston ...	1012·0	+16	WN	3	bc	36	75	6	2	–	–	4-6	4-6	2500	1	2
Mildenhall ...	1013·8	+20	W	4	b	35	92	8	1	–	–	1	1	2500	1	*
Cranwell ...	1013·7	+22	WS	3	b	34	75	7	–	–	–	0	0	–	1	*
Birmingham ...	1016·2	+22	WNW	4	pr3	36	85	6	3	–	–	7-8	7-8	800	1	*
Upper Heyford	1016·7	+16	WNW	4	bc	36	85	9	5	4	–	4-6	4-6	2500	1	*
Ross-on-Wye	1018·1	+14	W	3	bc	39	75	8	5	–	–	4-6	4-6	2500	0	*
Bristol ...	1018·7	+20	SW	1	bc	38	85	8	5	–	–	4-6	4-6	4000	1	*
Portland Bill ...	1018·9	+20	NW	3	b	44	85	8	–	–	–	0	0	–	1	3
Plymouth ...	1020·8	+20	NW	2	bc	42	75	8	8	–	–	2-3	2-3	2500	0	1
The Lizard ...	1022·0	+18	NNW	3	bc	41	85	8	8	–	–	4-6	4-6	2500	1	1
Scilly (St. Mary's)	1022·4	+12	NW	5	bc	44	75	8	2	–	–	2-3	2-3	2500	1	3
Guernsey ..	1020·4	+28	NW	4	bc	44	75	9	1	–	–	4-6	4-6	2500	1	3
Pembroke ...	1020·1	+10	NW	5	q	43	75	8	8	–	–	4-6	4-6	2500	1	3
Holyhead ...	1017·3	+14	NW	5	bc	42	75	8	8	–	–	4-6	4-6	2500	1	3
Chester (Sealand)	1016·3	+20	NW	5	bc/pr	40	65	8	8	–	–	4-6	4-6	2500	1	*
Manchester ...	1015·5	+18	WNW	3	bc	36	85	7	8	3	–	2-3	4-6	2500	1	*
Spurn Head ...	1011·0	+20	NW	6	q	37	85	7	–	–	5	0	2-3	–	0	4
Catterick ...	1013·2	+24	WN	4	b	35	75	8	–	–	–	0	0	–	0	*
Tynemouth ...	1011·5	+20	WNW	3	bc	32	75	7	2	–	–	2-3	2-3	1500	3	2
St Abb's Head ..	1010·6	+12	NW	7	q	35	75	8	1	4	1	1	2-3	4000	0	4
Leuchars ...	1011·8	+20	WNW	4	b	34	75	9	–	3	–	0	Tr	–	3	*
Renfrew (Abbotsl.)	1013·8	+20	SSW	2	bc	34	85	9	4	5	–	1	2-3	4000	1	*
Eskdalemuir ...	1013·9	+24	WNW	3	b	31	85	8	7	3	–	Tr	Tr	2500	3	*
Point of Ayre ...	1015·6	+18	NNW	5	bc	39	85	8	8	4	–	4-6	4-6	1500	1	3
Tiree	1014·4	+10	NW	5	psh	36	85	7	3	3	–	7-8	7-8	1500	1	3
Stornoway ...	1011·5	+8	NNW	4	c	34	85	8	8	7	7	4-6	9+	1500	4	2
Dalwhinnie ...	1013·2	+14	N	3	c	29	92	7	4	5	2	4-6	9+	2500	7	*
Aberdeen ...	1008·3	+14	WNW	5	b/ps	33	75	9	3	–	–	1	1	2500	4	1
Wick ...	1006·4	+14	WNW	8	ps	35	75	8	9	7	–	4-6	7-8	1500	4	3
Lerwick ...	999·0	+26	NNW	6	c/ps	36	92	7	8	–	–	7-8	7-8	800	4	*
Blacksod Point	1019·1	+2	W	3	ir	43	85	8	6	–	–	10	10	800	1	3
Malin Head ...	1015·9	+10	N	4	c	43	75	8	7	8	–	4-6	7-8	2500	1	4
Aldergrove ...	1016·6	+10	WNW	3	bc	37	85	8	5	–	–	4-6	4-6	2500	1	*
Birr Castle ...	1019·9	+6	WSW	1	c	39	85	8	5	–	–	9	9	2500	1	*
Valentia Obsy. †	1022·8	+4	WN	3	pr	47	85	8	5	–	–	10	10	1500	1	3
Roches Point	1022·4	*	NW	3	c	43	85	8	5	7	–	7-8	9	1500	1	2

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 18h–7h mm. (35)	Sunshine 25th Hrs. (36)
London (Kew)	54	37	29	3	Tr	0·0
Croydon ...	54	36	31	5.	0·3	0·0
S. Farnborough	55	34	27	4.	Tr	0·0
Boscombe Down	55	33	29	1.	Tr	0·1
Calshot (Sthmtn.)	52	37	35	5.	Tr	0·0
Lympne ...	49	33	30	7	3	0·0
Manston ...	52	35	32	6.	3	0·0
Shoeburyness ...	54	36	31	4.	1	0·0
Felixstowe ...	52	37	33	5.	0·1	0·0
Gorleston ...	52	35	33	3	–	0·0
Mildenhall ...	53	33	28	6.	Tr	0·0
Cranwell ...	52	33	29	3.	–	0·0
Birmingham ...	49	35	33	3	Tr	0·1
Upper Heyford	53	34	28	2.	0·4	*
Ross-on-Wye	52	37	29	0·1.	–	0·3
Bristol ...	52	35	28	3.2	–	0·2
Portland Bill ...	49	43	*	1	–	*
Plymouth ...	52	41	35	0·4	Tr	0·0
The Lizard ...	50	40	*	1	–	*
Scilly (St. Mary's)	51	44	*	·1	–	0·2
Guernsey ..	52	43	38	6.	Tr	0·0
Pembroke ...	48	41	*	0·3	0·5	0·5
Holyhead ...	47	41	38	Tr.	0·5	2·0
Chester (Sealand)	46	38	33	·3.	2	3·0
Manchester ...	47	34	30	1	1	1·6
Spurn Head ...	50	36	*	5.	–	1·2
Catterick ...	46	33	29	0·1.	Tr	4·5
Tynemouth ...	47	32	28	–	–	5·2
St Abb's Head ..	44	34	*	–	Tr	*
Leuchars ...	47	33	25	Tr.	1	6·7
Renfrew (Abbotsl.)	45	32	28	1	0·1	5·6
Eskdalemuir ...	45	29	25	0·1	0·2	5·5
Point of Ayre ...	48	37	*	0·5.	2	4·1
Tiree	44	35	32	7	1	4·3
Stornoway ...	43	32	*	2.	3	4·9
Dalwhinnie ...	38	27	26	1	2	3·2
Aberdeen ...	44	32	30	0·3.	0·2	4·8
Wick ...	41	32	*	3.	1	*
Lerwick ...	39	33	*	5.	3	2·5
Blacksod Point	49	40	*	0·2.	1	*
Malin Head ...	47	36	*	5.	1	4·5
Aldergrove ...	48	35	30	1	0·2	3·4
Birr Castle ...	48	36	*	1	0·2	3·9
Valentia Obsy. †	49	44	40	2.	0·4	3·5
Roches Point	50	41	*	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. % (To-day.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew..	18	crfrmo	crfrmo	fabdrnobk	54	37	29	3	Tr	0·0	*	*	8
Croydon	217	fadrmo	crrqrs	crrobcrnb	54	36	31	5	0·3	0·0	*	*	8
Greenwich (Royal Observatory)...	149	ir	ir	cb	53	37	30	3	–	0·0	92	61	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	55	38	34	3		0·0	90	63	*
Regents Pk. (Botanic Gardens)‡...	168				54	37	34	3	–	0·0	92	75	*
Camden Square	110	cd	crc	*	54	37	31	3	–	*	*	60	*
Kensington	80	cr	cr	*	53	37	29	3	0·2	0·0	At 18h.	61	*
Hampstead Observatory	450	or	or	bc	52	35	29	3	–	0·0	*	68	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 26th

South Kensington.

Max.	Time.	Min.	Time.
0·3	20-22h 25th	0·3	1-4h 26th

Kew Observatory.

Max.	Time.	Min.	Time.
0·3	20h 25th	0·1	0-7h 26th.

FOREIGN OBSERVATIONS.

Stations	18h G.M.T. 25th March. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.	7h. G.M.T. 26th March. Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.
Paris	1012·9	WSW	6	fr.	57	1016·9	W	2	bc	41
Brussels	1008·2	WSW	4	rsl.	52	1012·6	W	4	pr	37
Berlin	1006·3	SSW	3	bc	59	1002·0	NW	5	rr	37
Zurich	1017·0	SSE	1	bc	55	1012·6	W	3	ir.	48
Rome						1017·7	SE	3	bc	55

Past 24 Hours.

Stations	Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	*	*	0·2	*
Brussels	63	34	4	11
Berlin	68	37	–	4
Zurich	50	48	–	0·1
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	8	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	2¼	,,
6	Moderate ,,	6¼	,,
7	Good ,,	12½	,,
8	Very good ,,	31	,,
9	Excellent ,,	beyond 31m.	

COLUMN 30.—Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station.

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 27th March, 1938.

No. 27884.

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

Dist.	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (4)	Weather. (5)	°Temp. (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)	1017.7	+6	WNW	4	c	47	45	8	8	-	-	9	9	2500.
	Croydon ...	1018.0	+4	N'N	5	c	47	55	8	2	-	-	9	9	4000.
	S. Farnborough	1018.5	+2	NW'N	4	c	48	45	9	2	-	-	7-8	7-8	4000.
	Boscombe Down	1019.2	+2	WNW	4	c	46	55	8	7	-	5	7-8	7-8	4000.
	Calshot (Sthmtn.)	1019.4	+2	W'N	4	c	48	56	8	8	-	-	9+	9+	4000.
	Lympne ...	1017.8	+4	WNW	4	c	46	56	8	8	-	-	7-8	7-8	4000.
	Manston ...	1016.6	+4	NW	4	q	47	55	8	7	-	-	4-6	4-6	2500.
2	Shoeburyness ...	1016.8	+4	NW	5	c	48	55	8	2	-	-	7-8	7-8	2500.
	Felixstowe ...	1015.9	+6	W'N	4	bc	46	45	8	8	-	-	4-6	4-6	2500.
	Gorleston ...	1015.1	+8	WNW	4	bc	45	45	6	2	-	-	4-6	4-6	2500.
	Mildenhall ...	1015.3	-2	WNW	5	c	46	55	7	3	6	-	7-8	7-8	4000.
	Cranwell ...	1015.0	-2	W'N	5	c	47	45	8	8	4	-	9	9	4000.
3	Birmingham ...	1018.1	+4	NW	4	c	43	66	6	8	-	-	7-8	7-8	2500.
	Upper Heyford	1018.2	+2	NW	5	c	46	45	9	8	-	5	9	9	2500.
4	Ross-on-Wye	1019.0	+4	WNW	4	c	47	45	8	8	-	1	7-8	9	4000.
5	Bristol ...	1020.1	+6	NW'N	4	c	45	65	8	8	-	-	9	9	2500.
	Portland Bill ...	1020.3	-6	NW	3	c	49	75	8	2	4	1	4-6	9	2500.
	Plymouth ...	1022.9	+10	NW'N	3	c	48	55	9	4	5	2	2-3	9+	4000.
	The Lizard ...	1023.7	+2	W'N	4	c	49	75	8	8	6	-	7-8	9	2500
	Scilly (St.Mary's)	1024.4	0	WNW	4	c	49	65	8	2	4	9	4-6	7-8	2500.
	Guernsey ...	1022.2	+4	NW	4	c	49	65	9	8	2	-	7-8	9	2500.
6	Pembroke ...	1020.6	+16	W	4	q	46	75	8	5	2	-	7-8	9+	2500.
7	Holyhead ...	1018.1	-2	W'N	4	bc	47	65	9	7	3	6	1	7-8	4000.
	Chester(Sealand)	1018.0	+2	NW	4	c/pr	41	75	8	8	7	-	9	9	2500.
8	Manchester ...	1016.8	+2	WNW	4	jp	44	55	8	8	3	-	7-8	9	4000.
10	Spurn Head ...	1013.8	+4	NW	6	q	45	75	8	8	-	-	7-8	7-8	800.
	Catterick ...	1014.0	-2	WNW	5	bc	47	45	8	7	4	4	4-6	4-6	4000.
	Tynemouth ...	1012.3	+4	WNW	4	bc	45	35	7	2	-	1	4-6	4-6	1500.
11	St Abbs Head	1011.7	+4	WNW	6	q	41	45	8	2	1	4	2-3	4-6	2500.
	Leuchars ...	1022.2	+2	WNW	4	bc	45	45	9	8	-	3	4-6	4-6	4000.
12	Renfrew (Abbotsl.)	1014.0	-2	NW'N	4	c	43	66	9	8	-	-	9+	9+	4000.
	Eskdalemuir ...	1013.8	-2	W'N	4	c	42	55	8	5	-	1	9	9	4000.
	Point of Ayre...	1016.8	-6	NW	4	c	46	75	8	8	7	-	4-6	9+	2500.
13A	Tiree	1018.8	-8	WNW	1	c	43	65	9	8	2	-	7-8	10	1500.
13B	Stornoway ...	1012.1	0	W	3	c	40	65	8	8	2	-	7-8	10	2500.
15	Dalwhinnie ...	1013.2	+2	WNW	4	fir.	38	97	8	4	6	9	4-6	9+	2500.
	Aberdeen ...	1010.5	+18	NNW	4	jp	41	55	8	3	-	3	4-6	7-8	2500.
	Wick ...	1009.0	+12	NW	6	c	41	45	8	8	7	-	4-6	7-8	1500.
16	Lerwick ...	1003.6	+12	N	5	phr	42	85	8	8	7	-	4-6	7-8	1500.
17	Blacksod Point	1015.3	-20	W5	8	id	51	97	6	6	-	-	10	10	220.
18	Malin Head ...	1014.8	-16	SWW	3	r.r.	45	85	8	6	2	-	2-3	10	2500.
	Aldergrove ...	1016.0	-10	WSW	3	ir.	48	65	8	5	1	-	Tr	10	4000.
19	Birr Castle ...	1018.5	-12	WSW	1	ir.	46	92	7	5	-	-	10	10	2500.
20	Valentia Obsy. †	1021.4	-14	SWW	5	id.	50	97	6	5	-	-	10	10	450.
	Roches Point	1021.2	-	W	3	c/pr	50	85	8	8	1	-	7-8	10	1500.

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

Dist.	Stations.	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High. (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1017.7	-2	WNW	3	z.	48	46	6	5	-	-	9	9	2500	1	*
	Croydon ...	1017.7	-2	WNW	4	c	47	55	6	4	3	-	4-6	8	4000	1	*
	S. Farnborough	1018.1	-2	W	3	bc	46	55	8	4	3	-	2-3	4-6	5700	0	*
	Boscombe Down	1019.0	-4	W	4	c	44	75	8	5	3	8	2-3	9	4000	0	*
	Calshot (Sthmtn.)	1019.6	0	W	3	c	47	55	8	7	5	9	2-3	7-8	4000	1	2
	Lympne ...	1017.8	0	W	2	bc	43	65	7	5	3	-	1	7-8	4000	1	§2
	Manston ...	1017.3	+4	W'N	4	bc	44	55	7	5	3	9	2-3	4-6	4000	1	*
2	Shoeburyness ...	1017.8	+2	WS	3	bc	44	65	8	4	4	-	2-3	4-6	2500	1	*
	Felixstowe ...	1015.9	+2	W	3	bc	46	55	9	8	3	9	2-3	4-6	2500	1	3
	Gorleston ...	1015.1	0	WNW	3	c	45	85	6	8	5	-	4-6	7-8	2500	0	2
	Mildenhall ...	1016.0	+2	W'N	4	bc	43	65	8	1	6	-	Tr	4-6	4000	0	*
	Cranwell ...	1015.4	+2	W	4	c	43	65	7	1	7	-	Tr	9	2500	0	*
3	Birmingham ...	1016.7	-6	W	4	c	44	55	8	5	7	-	4-6	7-8	2500	1	*
	Upper Heyford	1017.3	-2	W'N	4	c	45	55	8	7	5	-	2-3	7-8	2500	0	*
4	Ross-on-Wye	1017.8	-8	WS	3	cl.	45	75	8	5	1	-	7-8	10	2500	0	*
5	Bristol ...	1019.2	-6	WSW	4	ir.	44	85	8	6	7	-	4-6	9+	1500	0	*
	Portland Bill ...	1020.0	-4	WNW	2	c	47	65	8	4	4	-	7-8	10	2500	1	2
	Plymouth ...	1021.5	-8	W	4	c	49	75	8	5	7	-	9+	10	2500	0	2
	The Lizard ...	1022.7	-10	WS	5	c	48	85	8	8	6	-	7-8	7-8	2500	1	2
	Scilly (St.Mary's)	1022.6	-12	W	5	c	48	85	8	8	7	-	2-3	9+	1500	1	3
	Guernsey ...	1022.3	0	W'N	4	c	47	75	8	5	1	-	4-6	10	4000	0	3
6	Pembroke ...	1017.3	-18	WSW	6	ir.	47	92	6	5	-	-	10	10	1500	1	4
7	Holyhead ...	1013.6	-38	SSW	4	rr	45	92	6	5	2	-	4-6	10	450	1	3
	Chester(Sealand)	1015.9	-16	WSW	2	r.r.	44	85	7	-	2	-	10	10	2500	1	*
8	Manchester ...	1015.4	-12	WS	2	r.r.	43	85	7	5	2	-	7-8	10	1500	1	*
10	Spurn Head ...	1013.8	0	WNW	5	q	45	85	7	8	2	-	4-6	10	2500	0	4
	Catterick ...	1013.3	-6	WS	3	c	42	65	8	5	2	-	2-3	10	2500	0	*
	Tynemouth ...	1012.4	-2	WNW	3	c	45	45	6	8	2	-	7-8	9+	1500	0	#2
11	St Abbs Head	1011.6	0	WNW	3	c	41	45	8	2	2	-	2-3	7-8	2500	0	3
	Leuchars ...	1011.2	-6	WSW	3	c	41	65	9	5	2	-	2-3	10	2500	0	*
12	Renfrew (Abbotsl.)	1012.3	-6	WN	1	r.r.	40	92	7	5	2	-	7-8	10	1500	1	*
	Eskdalemuir ...	1012.9	-10	W	2	rs	37	85	6	-	2	-	10	10	800	1	*
	Point of Ayre...	1013.1	-22	SW'W	2	rr	43	97	7	6	2	-	2-3	10	1500	1	1
13A	Tiree	1009.1	-34	SSE	4	dd.	40	97	6	5	-	-	10	10	800	1	3
13B	Stornoway ...	1010.3	-10	SSW	2	ps.	35	92	7	5	2	-	4-6	10	1500	1	1
15	Dalwhinnie ...	1011.5	-10	SW	2	is.	35	75	7	3	1	-	4-6	10	2500	1	*
	Aberdeen ...	1010.8	0	NNW	2	c	39	65	7	4	3	8	1	7-8	2500	1	2
	Wick ...	1009.2	0	NW	4	c	39	75	8	8	8	#8	4-6	9	1500	1	2
16	Lerwick ...	1005.5	+6	NNW	3	c/ps	36	92	8	8	7	-	4-6	7-8	1500	1	*
17	Blacksod Point	1015.1	0	W	5	c	50	92	7	5	-	-	10	10	450	1	3
18	Malin Head ...	1008.9	-54			dr	49	97	6	3	-	-	10	10	800	1	3
	Aldergrove ...	1011.1	-32	S	3	r.r.	43	97	6	6	-	-	10	10	450	1	*
19	Birr Castle ...	1015.1	-8	W	3	c	51	85	8	5	7	-	4-6	7-8	1500	1	*
20	Valentia Obsy. †	1020.5	-12	WNW	4	c	51	92	7	5	-	-	10	10	800	1	3
	Roches Point	1018.4	•	W'N	3	c/pr	53	92	8	8	-	-	7-8	7-8	1500	1	2

PAST 24 HOURS.

Dist.	Stations.	Weather. 7h.—13h. 26th (37)	Weather. 13h.—18h. 26th (38)	Weather. 18h. 26th to 1h. 27th (39)	Weather. 1h.—7h. 27th (40)
1	London (Kew)	bccy.	cym.	cym.c	c
	Croydon ...	bbccy.	cy	cbcr.r.	cv.c
	S. Farnborough	bbcyv	cvbcy.	bcyr.r.	cir.cc
	Boscombe Down	bybcy.	bcyc	crirc	c
	Calshot (Sthmtn.)	bbcy.	cybcy.	bcycdd.c	c
	Lympne ...	bbcy.	bcy.	bcyrr	crrm.c
	Manston ...	bbcqy.	bcypr.	crrm.	crrm.
2	Shoeburyness ...	bbcy	bcybc.	bcir.c	ir.c
	Felixstowe ...	bbcvy	bccy.	bcvycr.r.	cc.d.
	Gorleston ...	bbcybcy	bcc.	cor.	cr.cz.
	Mildenhall ...	bbcy.	cypr.q.	bcir	crr
	Cranwell ...	bybcc	cybc	r.r.rr.	crirc
3	Birmingham ...	bcpr.h	cbcc.	corr.	cd.rc
	Upper Heyford	bccy.	cy.	crrc	c
4	Ross-on-Wye	bcy.	cyc	co	oc
5	Bristol ...	bcc	cr.	cr.q.	cbccd.
	Portland Bill ...	bcc	c	c	c
	Plymouth ...	b.cpr.cy	cyc	cor.d.m.	cd.m.c
	The Lizard ...	bcc	c	cpr.o	oc
	Scilly (St.Mary's)	bcc	cp.c.	cld.bc	bccoc
	Guernsey ...	bcc	c	cold.	old.c
6	Pembroke ...	bcq.	cq.r.m.o	cq	cq
7	Holyhead ...	bcc ⊕	bcr.r.c.	~~rrpp~~ rr.d.c	c
	Chester(Sealand)	bcpr.pc	cr.r.	cr.r.	r.r.c
8	Manchester ...	cpr.r.c	cpr.gr.r.	cr.r.rr	cr.r.pr.
10	Spurn Head ...	cq	cq.	cor.r	d.m.o
	Catterick ...	bcbbcy	bcbbc	r.s.rs	bcc
	Tynemouth ...	bc	bcc	cor.	oir.c
11	St Abbs Head	bcq.	c.	cir.	cq.
	Leuchars ...	bzbbc	bccyc	cir.c	cc.m.w
12	Renfrew (Abbotsl.)	bcc	cr.r.	cpr.	r.r.c
	Eskdalemuir ...	bccy	cr.r.	r.s.m.	pp.c
	Point of Ayre...	cPRS	crr.	dd	rrc
13A	Tiree	psh.qc	cdrr.r.°	cd.r.d.	cid.
13B	Stornoway ...	cps.	cps.	cr.r.	cir.prq.
15	Dalwhinnie ...	cfs	clso.	*	cisirr
	Aberdeen ...	cps.by	cps.	bcb.	bcpr.
	Wick ...	psqcy	c	cpr.	or.r.s
16	Lerwick ...	cphr	cphr.psr	cphr.bc	bccs.s.
17	Blacksod Point	idc	idq	irq	iD
18	Malin Head ...	c	crrc	cdd.circ	c
	Aldergrove ...	bcc	rrr.r.o.	r.r.r.c.	c
19	Birr Castle ...	cor.	oir.c	c	c
20	Valentia Obsy. †	r.r.ir.d.	cid.	cid.o	cid.iD
	Roches Point	cpr.c	cpr.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., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus
R, heavy rain. r., slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊖, Solar halo. ◑ lunar halo. ⁄ gale.

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 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).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. ,, 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.

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*

† Sea disturbance reported from Dungeness.

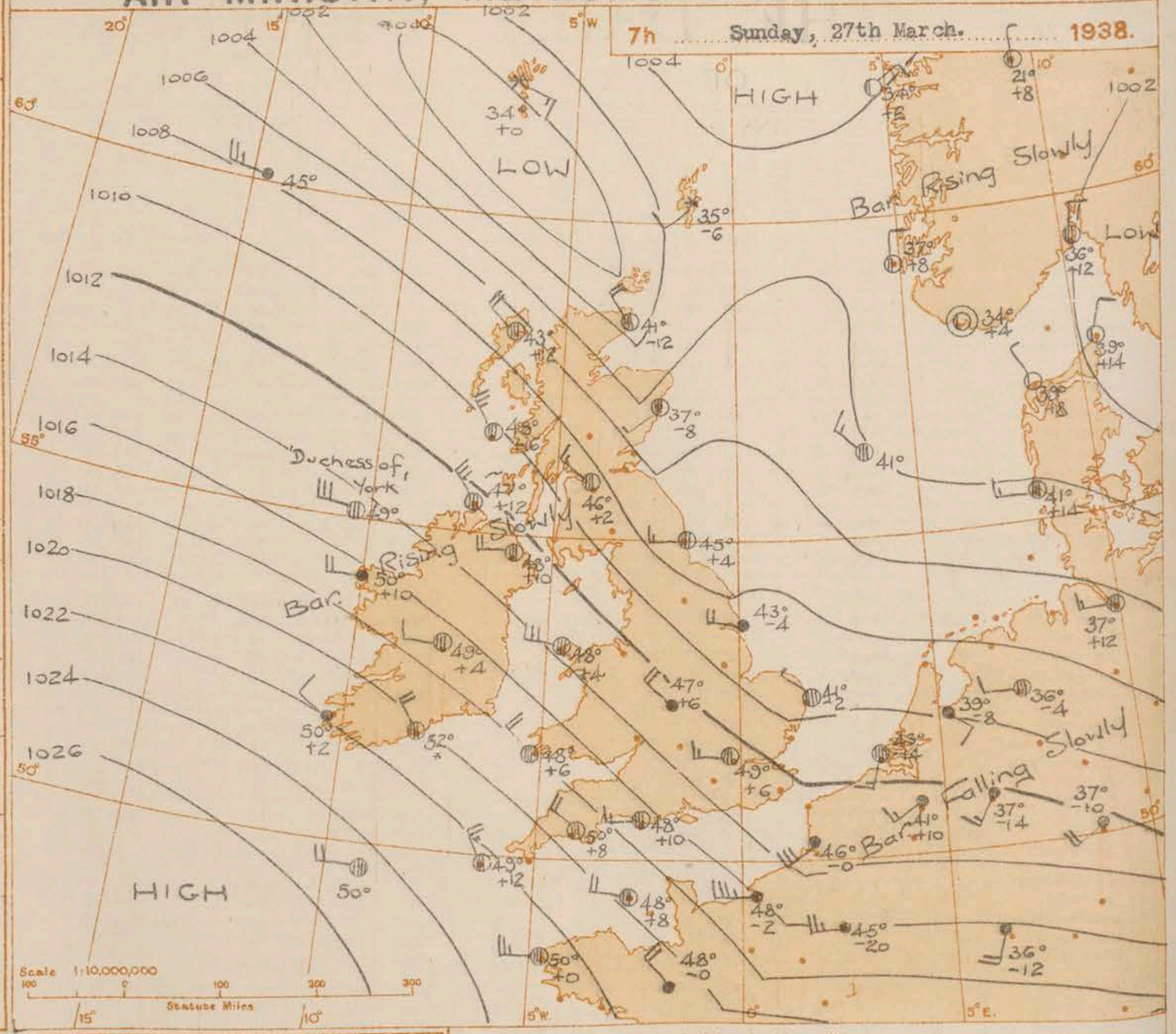
REPORTS from HEALTH RESORTS for 26th March 1938.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature (°F.) Min. 9h. 25th to 9h. 26th	Temperature (°F.) Max. 9h.—17h. 26th	Rainfall (mm.) Night. 17h. 25th to 9h. 26th	Rainfall (mm.) Day. 9h.—17h. 26th	Sunshine (Hrs.) Sunrise to 17h. 25th.	Sunshine (Hrs.) Sunrise to Sunset. 25th.
1	Tunbridge W.	bc	cbcc	32	49	2	-	8.1	0.0.
	Bournemouth	b	bbcc	37	50	-	-	6.5	0.1.
	Ventnor ...	mbbc	cbc	38	49	-	-	7.2	0.0
	Southsea ...	bcc	cbc	38	49	-	-	5.5	0.0.
	Bognor Regis	bbc	bcbc	36	50	0.3	-	7.3	0.0.
	Littlehampton	bc	bc	36	51	0.1	-	6.6	0.0.
	Worthing ...	bbc	bcc	36	51	0.3	-	8.4	0.0.
	Brighton ...	b	bc	37	51	0.6	-	8.2	0.0
	Eastbourne† ...	bbc	bccy	38	51	1	-	8.5	0.0.
	Hastings† ...	cbc	bcbc	34	50	3	-	8.5	0.0.
	Folkestone ...	b	bbccrc	35	49	4	Trace	7.6	0.0.
	Dover ...	bc	bccbc	37	49	5	-	9.6	0.0.
	Deal	b	bbcbc	37	50	4	-	8.8	0.0.
	Ramsgate ...	bc	bc	39	50	3	-	9.4	0.0
	Margate ...	bc	bc	38	47	3	-	9.3	0.0.
2	Southend ...	bcb	bbcc	36	51	2	-	9.2	0.0.
	Clacton-on-Sea	bbc	bcbcy	35	49	2	-	8.4	0.0
	Dovercourt ...	bcv	bcv	40	47	1	-	8.4	0.0.
	Lowestoft ...	bccb	bcc	33	48	1	Trace	8.7	0.0.
	Skegness ...	b	bbc	32	49	-	-	7.9	0.0.
	Mablethorpe...	by	bccy.	34	49	-	-	8.2	0.5.
	Cleethorpes ...	bc	bc	33	49	Trace	-	8.5	1.0.
3	Leamington S.	bcc	c	35	48	0.6	-	4.9	0.0.
4	Cheltenham†	cbc	bcc	34	50	0.5	-	7.6	0.0.
5	Bath	cbc	bcc	37	49	-	-	8.6	0.1
	Weymouth ...	bbc	c	38	52	-	-	5.9	0.0.
	Jersey ...	pcbc	bc	44	50	0.3	-	7.8	0.0.
	Torquay ...	wbbc	bcc	38	50	Trace	-	3.5	0.7
	Falmouth	b	c	42	53	1	-	5.2	0.0.
	Penzance ...	bcc	cbcbc	43	53	Trace	-	5.8	0.0.
	St. Ives ...	a	c	40	52	-	-	3.2	0.0
	Bude... ...	bcc	cap.	44	48	0.4	Trace	4.2	0.0.
	Ilfracombe ...	bcbc	bccc	42	48	-	-	5.1	0.9.
6	Aberystwyth	cbc	cpr	43	46	-	0.5	3.3	1.4.
7	Llandudno ...	bc	bcr.	40	49	0.1	0.1	5.5	1.9.
	Colwyn Bay...	bchbc	bccr	40	48	0.3	0.5	4.4	•
	Rhyl	bc	bccr.	39	47	0.3	Trace	4.5	2.0.
8	Wallasey ...	pcbc	bccor	37	47	4	0.3	4.3	3.2.
	Southport ...	cbbc	bcor	42	50	2	0.1	4.1	2.4.
	Blackpool ...	bcbcp	bccor	39	46	2	Trace	5.7	2.5.
	Morecambe ...	b	bbcdc	36	45	0.5	Trace	6.5	4.0.
9	Ilkley... ...	b	bc	31	49	0.5	-	7.7	3.0.
	Harrogate ...	b	bbcc	32	47	-	-	3.0	2.7
10	Berwick-on-T.	b	c	34	46	1	-	7.3	6.3.
11	Dunbar ...	bcf	bc	31	43	0.3	-	6.8	6.8
12	Troon... ...	bcbc	corcr	38	46	1	0.5	3.5	5.3.
	Douglas ...	berrs	bccr	35	45	5	1	2.9	4.2.

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Sunday, 27th March. 1938.



Barometer. Isobars are drawn for intervals of two millibars.
Wind, Weather Symbols. For explanation see opposite page.
Sea Disturbance. ~~~ Rough. ≈≈≈ High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 27th March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate west to northwest wind; cloudy, occasional rain, bright periods later; rather mild to average temperature.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Moderate or fresh morthwesterly wind; cloudy, bright periods, occasional showers; average temperature.
13 A. W. Scotld. / B.N.W.Scotland.	Moderate or fresh northwest to north winds; showers of rain or hail, snow on high ground; becoming colder.
14 Mid Scotland 15 N. E. Scotland	
16 Orkney and Shetland	Light or moderate southwest to west wind, becoming northerly fresh; cloudy, occasional rain or sleet; rather cold.
17 N. W. Ireland 18 N. E. Ireland	As 7 - 12.
19 S. E. Ireland 20 S. W. Ireland	Moderate northwesterly wind, backing southwest, moderate or fresh; cloudy, occasional rain or drizzle; mild.

GENERAL INFERENCE

A depression centred near the Faeroes is moving southeast. Weather will be cloudy and mild with occasional rain or drizzle in the South, but in the North there will be bright periods with showers of rain or hail and of snow on high ground.

FURTHER OUTLOOK.

Further rain spreading from west after a brief fair period.

Forecasts issued at 1130 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2

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.

Morning of

SUNDAY, 27TH MARCH.

1938.

Clarke's Projection Scale 1: 4 X 10⁷ along Meridian at 55° N.

Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

D.Sc., F.R.S.,
Director.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 27th March, 1938.

No. 27884.

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

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	1014.0	-3.4	SW'W	4	m	45	92	6	6	-	-	10	10	1500.
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1015.0	-3.0	SW	3	rr	41	97	6	6	-	-	10	10	450.
	Manston ...	142	1014.4	-2.6	SW	3	rr	40	92	6	6	2	-	7-8	10	1500.
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1013.3	-1.4	SW	1	r.	41	85	6	6	-	-	10	10	2500.
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1015.8	-1.2	W	4	c	46	85	7	4	-	-	10	10	2500.
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1020.6	-2	WN	5	o	49	97	8	5	-	-	10	10	1500
	Scilly (St. Mary's)	163	1021.3	-1.2	NWW	6	bc	49	97	8	4	-	-	2-3	2-3	2500.
	Guernsey ..	175	1020.9	-1.8	WSW	5	id.	48	92	7	5	-	-	10	10	2500.
6	Pembroke ...	142	1017.1	-4	W	6	q	49	85	7	5	-	-	10	10	1500.
7	Holyhead ...	26	1012.7	+2	W	6	q/d	49	92	7	5	2	-	7-8	10	800.
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1010.9	-1.8	SSW	3	r.	39	97	6	5	-	-	10	10	1500.
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1009.9	-2.0	SW	3	c/r	39	92	6	-	2	-	10	10	800.
11	St Abbs Head ..	280	1009.5	-1.2	SW	5	c	36	97	8	5	2	-	4-6	10	2500.
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1010.2	0	NNW	4	dd	47	97	7	5	-	-	10	10	1500.
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1004.5	-1.6	W	4	r.	42	97	8	5	1	-	7-8	9+	1500.
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1005.7	-2.2	SW	1	pr.	37	75	7	5	2	-	9	10	1500.
16	Lerwick ...	156	1005.4	-.8	W	2	bc	35	92	8	8	-	-	4-6	4-6	1500.
17	Blacksod Point	18	1016.7	+.8	W	5	c	50	85	7	5	-	-	10	10	800
18	Malin Head ...	84	1010.8	+1.0	W	5	c	48	92	7	8	-	-	9+	9+	1500.
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1021.5	+.2	W	4	o	43	97	6	6	-	-	10	10	800.
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility 0–9 (22)	Cloud. Form. Low. (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
London (Kew)	1013.2	+.8	WSW	3	c	49	85	7	5	7	-	9	9+	1500	1	*
Croydon ...	1013.3	+.6	W	3	c/r	49	85	8	5	3	-	9	9+	2500	1	*
S. Farnborough	1014.1	+1.4	W	4	c	48	85	7	5	-	2	9	9+	1500	1	*
Boscombe Down	1015.4	+1.2	W'W	4	c	47	92	7	5	-	-	9+	9+	2500	1	*
Calshot (Sthmtn.)	1015.8	+1.2	W's	4	c	50	85	8	5	-	-	9+	9+	2500	1	2
Lympne ...	1013.3	+.2	W'N	3	c	47	92	8	5	2	-	9	10	2500	1	§2
Manston ...	1011.4	+.6	W	4	c	48	85	6	5	-	-	10	10	1500	1	†
Shoeburyness...	1011.7	+.6	WNW	3	c/r	49	85	8	5	-	-	10	10	800	1	*
Felixstowe ...	1010.5	0	W	4	id.	48	92	7	6	2	-	7-8	10	800	1	3
Gorleston ...	1009.8	-.2	WNW	1	o	41	92	6.5	5	-	-	10	10	2500	1	2
Mildenhall ...	1010.5	+.2	W	4	c/r	48	97	7	5	-	-	10	10	1500	1	*
Cranwell ...	1010.2	+1.0	W	4	c/d	48	85	7	5	7	-	9+	9+	1500	1	*
Birmingham ...	1013.2	+.6	WNW	4	r.r.	47	92	7	6	7	-	7-8	10	800	1	*
Upper Heyford	1012.5	-.8	W'N	4	c	48	85	9	5	1	-	9+	10	1500	1	*
Ross-on-Wye	1016.2	+.6	W	3	c	50	75	8	5	-	-	10	10	1500.	0	*
Bristol ...	1015.9	+1.0	W	4	id.	48	92	7	5	-	-	9+	9+	1500	1	*
Portland Bill ...	1017.0	+1.0	W	3	c	48	85	8	5	-	-	10	10	2500	1	3
Plymouth ...	1018.1	+.8	WNW	4	c	50	85	8	5	-	-	10	10	1500	1	1
The Lizard ...	1021.1	+1.0	NNW	4	c	49	92	8	8	-	-	9+	9+	1500	1	3
Scilly (St. Mary's)	1020.3	+1.2	NW	5	c	49	92	8	8	7	-	4-6	9+	1500	1	3
Guernsey ..	1020.0	+.8	W'N	4	c	48	92	7	8	-	-	10	10	2500	1	3
Pembroke ...	1018.8	+.6	WNW	4	q	48	92	7	5	-	-	9+	9+	2500	1	3
Holyhead ...	1014.5	+.4	W'N	6	c	48	92	8	5	-	-	9+	9+	1500	1	3
Chester(Sealand)	1012.9	+1.0	W	6	c	49	85	8	5	-	-	9+	9+	1500	1	*
Manchester ...	1011.8	+1.2	W'N	5	pr.	48	92	7	9	-	-	10	10	800	1	*
Spurn Head ...	1003.1	-.4	WN	4	dd	43	97	4	5	-	-	10	10	450	1	2
Catterick ...	1008.8	+.4	NW'N	1	c	47	85	8	5	4	-	9	10	1500	1	*
Tynemouth ...	1007.1	+.4	W	3	c	45	85	6	8	-	-	7-8	7-8	1500	1	2
St Abbs Head ..	1005.7	-1.0	WNW	6	q	45	75	8	5	2	-	4-6	9+	2500	0	4
Leuchars ...	1006.3	+.2	SW	1	c	36	97	6	5	7	8	1	9+	2500	1	*
Renfrew (Abbotsl.)	1008.3	+.2	WNW	3	c	46	85	8	5	-	-	9	9	2500	1	*
Eskdalemuir ...	1008.1	+.2	W'N	4	c	44	85	8	5	1	2	7-8	9+	800	1	*
Point of Ayre...	1011.6	+.2	WNW	5	c	47	97	8	5	-	-	10	10	1500	1	3
Tiree	1010.0	+1.6	NW	5	c	48	75	7	5	-	-	9+	9+	2500	0	3
Stornoway ...	1006.1	+1.2	WNW	4	c/pr	43	92	7	5	5	6	4-6	9	1500	1	2
Dalwhinnie ...	1007.7	+1.0	WSW	3	c	40	85	7	4	6	7	2-3	9+	2500	1	*
Aberdeen ...	1004.3	-.8	WSW	1	c	37	85	7	5	1	8	1	7-8	2500	1	1
Wick ...	1001.5	-1.2	NW	4	c/r.	41	97	7	9	1	8	7-8	10	1500	1	2
Lerwick ...	1002.1	-.6	WSW	2	s.s.	35	92	7	6	2	-	9	10	800	1	*
Blacksod Point	1017.6	+1.0	W	4	id	50	92	6	6	-	-	10	10	450	1	3
Malin Head ...	1012.1	+1.2	NW'W	6	jp	47	92	6	3	4	-	4-6	9	1500	1	4
Aldergrove ...	1013.1	+1.0	W	4	c	48	85	7	5	-	-	10	10	1600	1	*
Birr Castle ...	1017.9	+.4	W	2	c	49	92	8	5	-	-	10	10	2500	1	*
Valentia Obsy. †	1022.8	+.2	WNW	2	id	50	97	5	5	-	-	10	10	4150	1	3
Roches Point	1020.4	•	NW	4	c	52	75	8	8	-	5	4-6	7-8	1500	1	2

PAST 24 HOURS.

Stations	Temperature. Max. Day 7h–18h °F. (31)	Min. Night 18h–7h °F (32)	Min. on Grass °F. (33)	Rainfall. Day 7h–18h mm. (34)	Rainfall. Night 19h–7h mm. (35)	Sunshine 26th Hrs. (36)
London (Kew)	49	43	38	-	1	7.9
Croydon ...	50	42	39	-	1	7.6
S. Farnborough	49	41	35	-	1	7.4
Boscombe Down	48	42	41	-	0.3	6.6
Calshot (Sthmtn.)	50	44	42	-	0.1	6.2
Lympne ...	48	38	30	-	3	8.6
Manston ...	49	39	35	Tr.	2	9.3.
Shoeburyness...	49	42	34	-	2	8.6.
Felixstowe ...	47	41	38	-	1	8.4.
Gorleston ...	47	39	38	-	0.1	7.5.
Mildenhall ...	47	39	34	Tr.	5	7.8
Cranwell ...	47	38	37	-	3	8.7.
Birmingham ...	47	39	38	Tr.	5	5.0.
Upper Heyford	48	41	38.	-	2	*
Ross-on-Wye	49	44	42	*	Tr	5.0.
Bristol ...	49	44	42	Tr.	0.1	4.1.
Portland Bill ...	50	45.	*	-	-	*
Plymouth ...	50	47	46	Tr.	0.3	4.7
The Lizard ...	51	46	*	-	Tr	6.2
Scilly (St. Mary's)	52	47	*	Tr.	Tr	4.0.
Guernsey ..	51	46	42	-	Tr	7.4.
Pembroke ...	47	45	*	Tr.	-	3.5.
Holyhead ...	48	45	43	2.	2	4.9.
Chester(Sealand)	47	42	41	0.2.	4	3.2.
Manchester ...	46	41	39	0.4.	7	5.0.
Spurn Head ...	47	39	*	-	0.3	8.5.
Catterick ...	47	37	37	-	1	7.1
Tynemouth ...	46	38	36	-	1	8.4.
St Abbs Head ..	42	31	•	-	0.2	•
Leuchars ...	46	34	30	-	Tr	6.7
Renfrew (Abbotsl.)	45	36	33	0.6.	2	5.7
Eskdalemuir ...	43	34	34	0.3.	5	5.6.
Point of Ayre...	49	41	*	3.	4	3.2.
Tiree	44	40	39	8.	1	1.7
Stornoway ...	41	35	*	0.2	3	1.4.
Dalwhinnie ...	38	32	31	2.	1	4.8.
Aberdeen ...	43	32	26	Tr.	0.1	6.7
Wick ...	42	30	*	0.3.	5	*
Lerwick ...	44	33	*	1	0.2	6.2.
Blacksod Point	53	44.	*	1	Tr	*
Malin Head ...	49	46	*	4.	3	0.8
Aldergrove ...	49	43	41	5.	0.5	2.8.
Birr Castle ...	53	48	*	1	-	0.1
Valentia Obsy. †	52	49	48	2.	0.4	0.0.
Roches Point	53	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. (To-day.)
Kew...	18	bccy	cym.	cyrc	49	43	38	-	1	7.9	•	•	6
Croydon	217	bbccy	cy	cbcirc.	50	42	39	-	1	7.5.	•	•	7
Greenwich (Royal Observatory)...	149	bcy	cy	crrr.	49	41	37	-	2	7.2	45	89	5.
City (Bunhill Row)	–	*	*	*	*	*	*	*	*	6.9	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	51	43	37	2		7.2	35	91	*
Regents Pk. (Botanic Gardens)‡...	168	*	*	*	50	40	41	-	2	6.7	63	96	*
Camden Square	110	bbc	bcc	*	50	43	36	-	3	*	*	84	*
Kensington	80	bc	cod.	*	*	43	38	-	2	5.3	41 18h.	83.	*
Hampstead Observatory	450	bc	bc	bcor	48	40	38	-	1	7.8	45	93	*

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 27th

South Kensington. Max.	Time.	Min.	Time.
40.3 whole period.			

Kew Observatory. Max.	Time.	Min.	Time.
0.2	19h 26th	40.4	1–7h 27th

FOREIGN OBSERVATIONS

18h G.M.T. 26th March

Stations.	Barom. mb.	Wind. Direc.	Wind. Force	Weather.	Temp. °F.
Paris	1020.2	NW	3	c	45
Brussels	1016.7	WNW	3	c	41
Berlin	1005.1	SW	4	c	37
Zurich	1018.2	SW	3	o	43
Rome					

7h. G.M.T. 27th March

Stations.	Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1016.6	W	5	id.	45
Brussels	1010.4	WSW	3	dd	41
Berlin	1006.4	W	4	ps	36
Zurich	1019.8	WSW	3	c	39
Rome	1010.7	W3W	5	bc	55

Past 24 Hours.

Stations.	Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	50	39	0.2.	0.3
Brussels	48	37	Tr.	4
Berlin	48	36	2.	1
Zurich	*	37	7	1
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 ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 7h. observations are from Valentia W/T Station.

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 28th March, 1938.

No. 27885.

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. F. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1015·1	+4	W	4	z_o	55	65	6	5	-	-	9+	9+	1500
	Croydon ...	1015·3	0	W	5	c	54	75	6	9	7	-	7-8	9+	2500
	S. Farnborough	1015·7	+2	WNW	4	c	54	65	8	5	-	-	10	10	2500
	Boscombe Down	1017·2	+6	WNW	4	c	52	75	8	5	-	-	10	10	2500
	Calshot (Sthmtn.)	1017·2	+6	WNW	4	c	54	65	8	7	-	-	9+	9+	2500
	Lympne ...	1014·6	+2	NW	4	c	53	75	8	8	6	3	7-8	9+	2500
	Manston ...	1013·4	+10	NW'W	5	p_r	53	75	7	8	1	-	7-8	9+	1500
2	Shoeburyness ...	1013·6	+8	W'N	5	c/pr	55	75	8	5	3	-	2-3	9	1500
	Felixstowe ...	1012·3	+8	W'N	4	c/r	52	75	8	5	-	-	9+	9+	1500
	Gorleston ...	1010·6	0	NNW	2	ir_o	50	85	5	6	-	-	10	10	1500
	Mildenhall ...	1012·3	+8	W'N	5	c	53	85	7	5	-	-	9+	9+	4000
	Cranwell ...	1012·2	+8	W	5	c	53	75	7	8	-	1	9+	9+	4000
3	Birmingham ...	1014·8	+8	NW	5	c	55	65	8	8	7	-	7-8	9	2500
	Upper Heyford	1015·0	+6	NNW	6	q	54	65	9	7	-	-	7-8	7-8	2500
4	Ross-on-Wye	1016·9	+6	W'N	4	c	54	65	8	5	-	-	9+	9+	2500
5	Bristol ...	1017·5	+2	W	5	c	54	85	8	5	-	-	7-8	7-8	2500
	Portland Bill ...	1018·4	+6	W	3	c	49	85	8	4	-	-	10	10	2500
	Plymouth ...	1021·2	+12	NW	4	c	55	75	8	5	-	-	9+	9+	1500
	The Lizard ...	1022·5	+10	W	4	c	53	85	7	8	6	-	4-6	7-8	2500
	Scilly (St.Mary's)	1023·5	0	NW'W	5	c/jf	52	92	7	5	1	-	4-6	10	800
	Guernsey ...	1021·1	+6	W'N	4	c	52	85	7	8	1	-	4-6	7-8	2500
6	Pembroke ...	1020·5	+6	W'N	5	q	49	97	6	5	2	-	7-8	10	2500
7	Holyhead ...	1017·0	+14	W'N	6	c	52	85	8	5	7	-	4-6	9+	4000
	Chester(Sealand)	1015·5	+10	WNW	7	c	53	75	8	8	3	-	9	9+	1500
8	Manchester ...	1014·7	+14	WNW	5	c	51	85	8	5	3	-	9	10	1500
10	Spurn Head ...	1010·2	+4	NNW	5	c	50	97	6	8	-	9	9+	9+	1500
	Catterick ...	1011·1	+14	NW'W	4	c	53	65	8	5	-	6	4-6	7-8	1500
	Tynemouth ...	1010·0	+12	NW	4	c	54	55	7	8	6	-	4-6	7-8	1500
11	St. Abbs Head .	1008·3	+14	WNW	4	c	51	85	8	5	2	4	4-6	7-8	2500
	Leuchars ...	1008·2	+10	WNW	6	q	55	55	9	8	-	8	4-6	7-8	2500
12	Renfrew (Abbots I.)	1010·9	+10	NW'W	6	c	52	65	8	8	4	2	4-6	7-8	4000
	Eskdalemuir ...	1011·5	+18	W	5	c	48	65	8	5	-	2	9	9+	2500
	Point of Ayre...	1014·8	+16	NW	5	c	50	85	7	5	-	1	7-8	7-8	800
13A	Tiree	1013·8	+18	NW'W	4	c	50	75	7	5	3	8	4-6	9	2500
13B	Stornoway ...	1009·6	+16	WNW	7	c	47	65	7	8	4	-	4-6	7-8	2500
15	Dalwhinnie ...	1010·8	+18	W	5	c	45	55	7	4	6	9	2-3	#8	2500
	Aberdeen ...	1006·4	+14	NW	6	bc	51	55	8	2	-	8	2-3	4-6	2500
	Wick ...	1004·9	+18	NW	8	c/pr	44	85	8	8	7	1	4-6	7-8	1500
16	Lerwick ...	1001·5	-2	ESE	3	c/d	39	97	7	5	2	-	9	10	450
17	Blacksod Point	1020·9	+16	W	5	c	52	92	7	5	-	-	10	10	<150
18	Malin Head ...	1015·3	+10	NNW	4	c	51	85	7	4	6	-	2-3	7-8	1500
	Aldergrove ...	1016·2	+16	NW	3	c	50	85	8	5	-	-	10	10	1500
19	Birr Castle ...	1019·7	+8	W'N	2	c	55	85	8	5	1	-	7-8	10	1500
20	Valentia Obsy. †	1024·4	+6	WNW	4	o/d	52	92	6	5	-	-	10	10	220
	Roches Point	1022·2	+	NW	4	c	54	85	8	5	1	-	7-8	9	1500

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

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)	1016·5	+12	WNW	3	z_o	56	55	6	5	-	-	9+	9+	1500	1	*
	Croydon ...	1016·4	+12	WNW	4	c	55	65	6	8	-	-	9+	9+	2500	1	*
	S. Farnborough	1017·1	+12	NW'W	3	c	55	65	8	5	-	-	10	10	4000	1	*
	Boscombe Down	1018·5	+10	WNW	4	c	51	85	8	5	-	-	10	10	2500	0	*
	Calshot (Sthmtn.)	1017·9	+10	W	4	c	54	75	8	5	-	2	9	9+	2500	1	2
	Lympne ...	1016·2	+14	NW	3	c	52	65	7	4	4	8	4-6	9	4000	1	§ 2
	Manston ...	1014·8	+10	NW	4	c	52	65	7	5	7	6	4-6	9	1500	1	*
2	Shoeburyness ...	1015·6	+16	NW	4	c	53	65	8	5	4	6	2-3	9	1500	1	*
	Felixstowe ...	1013·8	+18	W'N	3	c	53	65	8	5	3	7	4-6	9+	2500	1	2
	Gorleston ...	1013·0	+10	WNW	2	s_o	51	85	6	8	-	-	9+	9+	2500	1	2
	Mildenhall ...	1014·3	+14	WNW	4	c	52	75	7	5	3	8	4-6	9	2500	1	*
	Cranwell ...	1014·3	+14	W'N	5	c	51	65	7	5	7	6	1	7-8	1500	1	*
3	Birmingham ...	1016·9	+14	NW	4	c	51	75	7	5	7	-	7-8	9+	2500	1	*
	Upper Heyford	1016·8	+14	NW	4	c	53	65	9	5	-	-	10	10	2500	0	*
4	Ross-on-Wye	1018·5	+10	W'N	3	c	53	75	8	5	-	-	10	10	2500	0	*
5	Bristol ...	1018·8	+4	W'N	5	c	51	92	7	5	3	8	7-8	9+	1500	0	*
	Portland Bill ...	1019·5	+10	W	3	c	50	85	8	4	-	-	10	10	2500	1	3
	Plymouth ...	1021·6	+8	NW'W	4	c	54	85	7	5	-	-	10	10	1500	1	1
	The Lizard ...	1023·0	+4	NW'W	4	o	49	97	5	5	-	-	10	10	1500	1	2
	Scilly (St.Mary's)	1024·1	+6	NW	5	m	50	92	4	5	-	-	10	10	450	1	3
	Guernsey ...	1021·6	+4	WNW	4	o	50	92	7	5	-	-	10	10	2500	1	3
6	Pembroke ...	1020·8	+2	WNW	4	q	49	97	7	5	2	-	7-8	10	2500	1	3
7	Holyhead ...	1017·9	+6	WNW	4	c	52	85	8	8	7	9	4-6	9+	4000	1	2
	Chester(Sealand)	1017·7	+16	WNW	5	c	52	85	8	5	-	-	10	10	4000	1	*
8	Manchester ...	1016·3	+14	WNW	5	c	49	85	7	5	4	9	4-6	9	1500	1	*
10	Spurn Head ...	1012·4	+18	NW	5	c	50	85	7	8	-	-	7-8	7-8	2500	0	3
	Catterick ...	1013·5	+22	W'N	3	bc	50	65	8	-	4	6	0	4-6	-	0	*
	Tynemouth ...	1011·3	+16	NW	4	bc	53	55	7	2	4	-	2-3	4-6	1500	1	2
11	St. Abbs Head .	1010·5	+16	WNW	6	b	50	55	8	-	4	1	0	Tr	-	0	3
	Leuchars ...	1011·9	+20	NW	4	bc	50	55	9	1	4	6	Tr	4-6	4000	0	*
12	Renfrew (Abbots I.)	1014·3	+24	NW	4	bc	49	75	8	7	4	6	2-3	4-6	4000	1	*
	Eskdalemuir ...	1014·2	+22	WNW	5	c	46	65	8	5	-	2	2-3	7-8	2500	1	*
	Point of Ayre...	1017·4	+16	NW'N	3	c	48	92	8	5	-	-	9+	9+	1500	0	3
13A	Tiree	1016·0	+16	NW'W	3	c	48	85	7	5	7	-	7-8	9+	2500	0	3
13B	Stornoway ...	1012·8	+20	WNW	5	c	46	75	8	5	7	-	4-6	9+	1500	1	2
15	Dalwhinnie ...	1013·8	+20	W	3	c	43	65	7	4	6	8	2-3	9+	2500	0	*
	Aberdeen ...	1010·5	+32	NW	5	c	43	45	8	4	-	9	4-6	7-8	2500	1	2
	Wick ...	1007·8	+12	NW	8	c/pr	46	75	7	8	7	8	4-6	7-8	1500	1	4
16	Lerwick ...	1006·9	+40	NNE	4	c/pr	39	85	8	8	9	-	4-6	7-8	1500	1	*
17	Blacksod Point	1021·4	+14	W	5	c	51	92	7	5	-	-	10	10	220	1	3
18	Malin Head ...	1017·3	+12	W'N	3	c	49	97	6	7	-	-	9+	9+	450	1	2
	Aldergrove ...	1018·3	+20	W'N	4	c	50	85	8	5	-	-	9+	9+	1500	1	*
19	Birr Castle ...	1021·9	+14	NW	2	c	52	85	8	5	-	-	9+	9+	1500	1	*
20	Valentia Obsy. †	1025·6	+6	NW	3	c	52	85	8	5	-	-	9+	9+	800	1	2
	Roches Point	1023·5	*	NW	4	c	53	85	8	5	1	-	7-8	10	1500	1	2

PAST 24 HOURS.

Weather. 7h.—13h. (37)	13h.—18h. (38)	18h.—1h. (39)	1h.—7h. (40)
27th	27th	27th/28th	28th
cpr.cz$_o$	cz$_o$y	cz.c	cm.
cm.z$_o$pr$_o$	cz$_o$c	cz.c	cbbc
ir$_o$ccv	cvc	c	ir$_o$cv
c	c	c	c
c	cbcc	cbcb	bcc
cprc	c	cz.bcb	bcwm.
cr$_o$pr$_o$	c	cb	bwbc
cpr$_o$	c	cbcw	bcwcw
ir$_o$dir$_o$	c	cbcb	bw,c
oidir$_o$	oir$_o$c	cir.bcb	bbc
cir$_o$c	c	c,b	bx,cw
cpr$_o$id$_o$	cbc	bcbm.	bm.cm.
r$_o$bcc	c	cbc	bcc
cq	c	cr.c	cbc
c	c	c bc	bcc
cd$_o$cbc	bccq	c	cbcw
c	c	bcc	c
cbcc	c	cid$_o$m.	cm.
cbcc	com$_o$	oifm	mifc
cbcc	cz$_o$m	offebc	cbcw
coir$_o$	cbcc	oc	c
q m$_o$c	cq	cq bcb	bccw
c	c	c	c
r$_o$c	c	c	cpr.
cpr$_o$r$_o$c	c	c	cm.
dirc	cq	cpcb	bccw
id$_o$rsc	cybc	cbcb	bbcc
cbcc	cbc	bc	bcc
c	by	b	bcprc
cm.bcq	cbcqy	bybx	bxcm.c
cpr$_o$bc	bc	bc	bccpr
cbcc	cbc	bbcc	cr.c
idc	c	cbcc	c
idc	cbcc	cd.	oir d.
cpr$_q$	c	cpr.	cpr.
c	c	bcyb	bccir
bcpr$_o$	bcy	bycbm	brcb,c
cpr$_q$	cpr$_q$	cpr.c	cr.r c
ird$_o$d$_m$	id$_o$ddpr$_o$	cbc	crr
cbc	id$_o$c	cbc	ir.d
idc	c	cidfoide	c
c	cpr$_o$c	cpr.c	c,idm.c
c	c	cdc	c
oiDid$_o$o	oid$_o$c	cbcb	bccid.c
c	c	cbcw	bcwc

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

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

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

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 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).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. ,, 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.

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.*

† Sea disturbance reported from Dungeness.

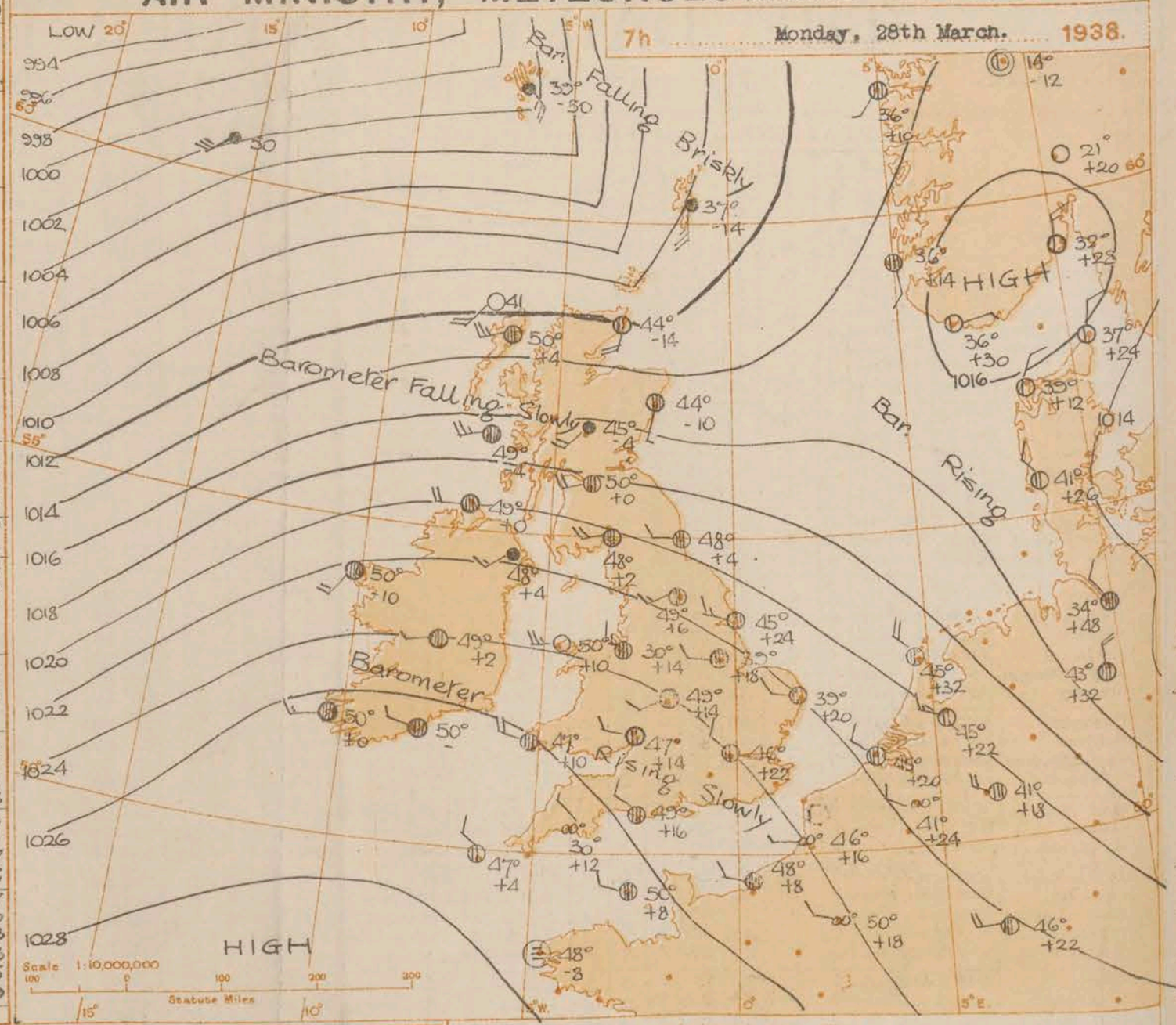
REPORTS from HEALTH RESORTS for 27th March 1938.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature (°F.) Min. 8h. 26th to 9h. 27th.	Temperature (°F.) Max. 9h.—17h. 27th.	Rainfall (mm.) Night. 17h. 26th to 9h. 27th.	Rainfall (mm.) Day. 9h.—17h. 27th.	Sunshine (Hrs.) Sunrise to 17h. 27th.	Sunshine (Hrs.) Sunrise to Sunset. 26th.
1	Tunbridge W.	opco	oc	40	55	2	Trace	0·7	8·2
	Bournemouth	b	bbc	45	58	-	-	6·8	6·6
	Ventnor ...	pbcb	bbc	44	58	0·3	-	8·5	7·5
	Southsea ...	ocbc	cb	45	57	0·5	-	3·0	5·5
	Bognor Regis	cbc	cbcc	44	55	1	-	1·4	7·3
	Littlehampton	c	c	43	55	1	-	0·2	6·6
	Worthing ...	cbcc	cbcc	43	55	1	-	1·2	8·4
	Brighton ...	cbc	cbc	43	55	2	-	0·5	8·2
	Eastbourne† ...	c	cc	44	56	3	Trace	1·2	8·5
	Hastings† ...	coc	cbc	42	58	2	-	1·9	8·5
	Folkestone ...	oco	oc	40	56	4	Trace	0·1	7·6
	Dover ...	ocp	c	41	57	3	Trace	0·2	9·6
	Deal	oc	c	41	57	1	-	1·6	8·9
	Ramsgate ...	c	c	40	56	2	-	2·0	9·6
	Margate ...	cdbc	bcc	41	52	2	Trace	1·1	9·3
2	Southend ...	c	c	42	56	2	-	1·1	9·2
	Clacton-on-Sea	cbcc	cbcc	39	55	3	-	1·2	8·5
	Dovercourt ...	bcpbc	bc	40	56	2	-	2·4	8·9
	Lowestoft ...	cpbco	oirc	39	53	0·5	2	0·7	8·7
	Skegness ...	pcbc	bcbc	38	55	0·5	Trace	1·2	7·9
	Mablethorpe...	opor	cpbcc	39	55	0·5	1	0·9	8·4
	Cleethorpes ...	bcbc	bcc	38	55	Trace	2	1·8	8·5
3	Leamington S.	o	c	41	56	1	-	0·7	4·9
4	Cheltenham†	oc	cbcc	42	56	1	-	2·1	7·6
5	Bath	c	cbc	44	55	Trace	-	1·6	3·6
	Weymouth ...	bcc	c	46	59	-	-	2·7	5·9
	Jersey ...	crc	cbc	47	53	0·2	-	0·5	7·8
	Torquay ...	cqbc	bcc	45	57	-	-	4·9	3·5
	Falmouth	b	bc	47	56	Trace	-	4·2	5·2
	Penzance ...	qbcb	bbcmc	48	58	Trace	-	4·6	5·8
	St. Ives ...	c	d	42	54	-	1	3·4	3·2
	Bude... ...	c	cbc	45	51	-	-	1·1	4·2
	Ilfracombe ...	odro	o	44	50	0·6	-	0·0	5·1
6	Aberystwyth	c	cd	45	49	2	0·3	0·0	3·3
7	Llandudno ...	c	c	43	52	2	-	0·2	5·5
	Colwyn Bay...	c	c	43	53	4	-	0·1	4·4
	Rhyl	cr	c	42	57	5	Trace	0·4	4·5
8	Wallasey ...	c	c	40	52	7	-	2·0	4·3
	Southport ...	opbc	obc	41	54*	8	0·1	2·5	4·1
	Blackpool ...	ccp	c	41	51	9	Trace	4·2	5·7
	Morecambe ...	dcbcc	bcbbc	39	51	6	-	3·6	6·5
9	Ilkley... ...	c	c	38	55	3	-	2·8	7·7
	Harrogate ...	cbcq	bccb	38	55	1	-	4·0	9·0
10	Berwick-on-T.	c	bc	37	55	0·3	-	6·3	7·3
11	Dunbar ...	bcrs	bc	36	54	0·3	-	8·2	6·8
12	Troon... ...	cbc	bccbc	35	52	3	-	3·9	3·5
	Douglas ...	cir	cir	38	50	6	Trace	0·1	2·9

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h ..... Monday, 28th March. ..... 1938.



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

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th March, 1938
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light or moderate westerly winds; mainly cloudy; rather mild.
7 North Wales ... 8 N.W. England 9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Fresh or strong westerly winds; occasional light rain; rather mild.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland	Strong west to southwest winds; occasional rain; rather mild.
18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh west to southwest wind; cloudy, occasional light rain or drizzle; rather mild.

H.M. Stationery Office Press, Kingsway W.C.2

GENERAL INFERENCE.

An anticyclone over the Bay of Biscay is extending over France and a depression over Iceland is moving east. There will be occasional rain in Scotland and N. England and light rain or drizzle in the western areas. Elsewhere weather will be mainly cloudy and rather mild.

FURTHER OUTLOOK.

Unsettled with rain at times in the North; mainly fair in the South.

Forecasts issued at 1030 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

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.

Morning of

MONDAY, 28TH MARCH.

1938.

Lambert's Projection Scale 1 : 4 × 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ○Clear sky. ◔Sky less than 3/10 clouded. ◑Sky 4/10 to 6/10 clouded. ◕Sky 7/10 to 9/10 clouded. ●Overcast sky. ●Rain falling. ✱Snow. ✱Sleet. △Hail. ≡Fog. ≡Mist. (Σ)Thunder. Σ 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, 28th March, 1938.

No. 27885.

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

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	1020·7	+14	NW	3	c	52	75	7	5	–	–	9+	9+	2500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1020·7	+14	NNW	4	bc	48	85	7	5	–	–	2-3	2-3	2500
	Manston ...	142	1019·7	+16	NW	3	b	47	85	7	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1018·0	+24	WN	3	b	42	92	6	–	–	–	0	0	–
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1022·8	+10	W	3	c	50	85	8	4	–	–	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1026·2	+4	WNW	3	m	49	92	4	5	–	–	10	10	800
	Scilly (St. Mary's)	163	1027·2	+10	NW	3	bc	48	97	7	5	–	–	2-3	2-3	800
	Guernsey ..	175	1024·5	+16	WNW	3	c	49	97	6	8	–	–	10	10	2500
6	Pembroke ...	142	1024·1	+12	WNW	3	q	49	92	7	5	–	–	Tr	Tr	4000
7	Holyhead ...	26	1022·0	+10	WNW	4	c	49	92	8	5	2	–	7-8	10	4000
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1018·1	+20	WNW	3	b	45	97	7	–	–	–	0	0	–
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1016·7	+16	W	3	bc	44	75	7	5	–	–	2-3	2-3	1500
11	St Abbs Head ..	280	1017·1	+16	WNW	5	b	45	65	7	–	4	–	0	Tr	–
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbots L)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1020·4	+12	NW	3	c	47	97	8	5	–	–	7-8	7-8	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1013·7	-6	SSW	4	pr	44	97	7	5	2	–	7-8	10	1500
16	Dalwhinnie ...	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1013·8	+16	SW	2	c	39	92	8	5	7	–	7-8	10	1500
16	Lerwick ...	156	1012·8	+16	NNW	2	bc	36	75	8	5	–	–	2-3	2-3	1500
17	Blacksod Point	18	1023·7	+12	W	3	c	50	92	6	–	2	–	0	10	–
18	Malin Head ...	84	1019·2	+14	W	4	9/d	48	92	6	5	–	–	10	10	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1026·9	+16	W	3	0	50	97	8	5	–	–	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1023·9	+20	WSW	1	2.	49	85	6	5	–	–	9+	9+	2500	1	*
	Croydon ...	1023·7	+22	NW	2	bc	46	92	7	9	4	–	4-6	4-6	2500	1	*
	S. Farnborough	1024·2	+16	WN	1	c	50	92	8	5	3	–	7-8	9+	2500	1	*
	Boscombe Down	1025·0	+18	WNW	3	c	49	85	8	5	–	–	9+	9+	2500	0	*
	Calshot (Sthmtn.)	1024·4	+16	WN	3	c	51	85	7	5	–	–	9+	9+	4000	1	1
	Lympne ...	1023·9	+22	NWN	2	bc	45	85	6‡	–	–	1	0	2-3	–	1	§1
	Manston ...	1023·1	+24	NWN	3	bc	45	85	7	–	–	6	0	4-6	–	1	*
2	Shoeburyness ...	1023·1	+20	NWN	2	c	44	85	7	–	–	6	0	7-8	–	1	*
	Felixstowe ...	1022·4	+20	WNW	2	c	44	85	7	–	–	6	0	7-8	–	1	2
	Gorleston ...	1021·6	+20	WN	2	bc	39	85	6	–	4	–	0	2-3	–	1	2
	Mildenhall ...	1022·8	+18	W	2	c	39	97	7	–	4	2	0	7-8	–	1	*
	Cranwell ...	1022·5	+20	WSW	3	z.	44	92	6	5	4	–	7-8	9‡	2500	1	*
3	Birmingham ...	1023·8	+14	SW	2	c	49	92	6	8	7	–	7-8	10	1500	1	*
	Upper Heyford	1024·0	+14	WN	2	bc	47	92	8	7	5	4	1	4-6	4000	0	*
4	Ross-on-Wye	1024·3	+14	SWS	2	c	49	85	8	5	–	1	7-8	9	4000	0	*
5	Bristol ...	1025·0	+14	WSW	3	bc	49	92	8	5	–	8	4-6	4-6	4000	0	*
	Portland Bill ...	1025·1	+16	NW	2	c	49	92	8	4	4	–	4-6	9	2500	1	2
	Plymouth ...	1026·6	+12	NNW	1	z.	51	92	6	5	–	–	9	9+	1500	0	0
	The Lizard ...	1027·5	+6	WNW	2	c	48	97	8	8	6	–	4-6	7-8	2500	1	2
	Scilly (St. Mary's)	1027·6	+4	NW	2	bc	47	97	7	4	4	5	1	2-3	1500	1	2
	Guernsey ..	1026·1	+8	WN	2	c	50	97	7	8	–	–	9+	9+	2500	1	3
6	Pembroke ...	1025·9	+10	WNW	4	c	47	97	7	5	7	–	2-3	7-8	4000	1	2
7	Holyhead ...	1023·1	+10	W	5	c	50	85	8	5	–	–	9+	9+	4000	1	2
	Chester (Sealand)	1023·5	+14	WN	3	c	51	85	7	5	3	–	9	10	1500	1	*
8	Manchester ...	1022·7	+10	W	2	z.	48	97	6	5	–	–	10	10	1500	1	*
10	Spurn Head ...	1021·0	+24	WN	3	c	45	92	6	–	–	6	0	7-8	–	1	2
	Catterick ...	1020·2	+6	WSW	3	c	49	85	8	5	–	–	9+	9+	4000	0	*
	Tynemouth ...	1018·9	+4	W	2	c	48	92	6	8	–	–	9	9	1500	0	1
11	St Abbs Head ..	1016·3	-4	W	5	c	51	75	8	5	2	–	4-6	9+	2500	0	3
	Leuchars ...	1016·3	-2	SW	2	c	46	97	7	5	–	–	10	10	2500	0	*
12	Renfrew (Abbots L)	1018·1	0	WSW	4	c	50	92	7	5	–	–	9	9	2500	1	*
	Eskdalemuir ...	1019·1	+2	WS	4	c/r	48	85	7	5	2	–	9+	10	800	1	*
	Point of Ayre ...	1021·2	+6	WNW	4	c	48	97	7	5	3	–	Tr	9	800	1	2
13A	Tiree	1016·5	-4	SWW	5	o	49	97	6	5	–	–	10	10	1500	1	3
13B	Stornoway ...	1012·6	+4	WSW	5	c	50	92	7	5	2	–	7-8	10	1500	1	3
16	Dalwhinnie ...	1016·3	-4	SW	4	ir.	45	85	6	4	6	9	4-6	9+	1500	1	*
	Aberdeen ...	1014·6	-10	SSW	1	c	44	65	7	5	1	8	7-8	9+	4000	0	1
	Wick ...	1011·6	-14	SSW	4	c	44	92	7	5	2	–	9	10	1500	1	3
16	Lerwick ...	1011·5	-14	S	5	rr	37	92	7	6	2	–	7-8	10	800	1	*
17	Blacksod Point	1022·0	-10	SW	4	c	50	92	7	5	–	–	10	10	800	1	3
18	Malin Head ...	1019·4	0	W	4	c	49	92	7	5	–	–	9+	9+	1500	1	3
	Aldergrove ...	1021·7	+4	SWW	3	id	48	92	6	5	–	–	10	10	450	1	*
19	Birr Castle ...	1024·3	+2	WSW	1	c	49	92	8	5	–	–	9+	9+	1500	1	*
20	Valentia Obsy. †	1027·0	0	SWW	3	9/d	50	85	8	5	–	–	10	10	1500	1	2
	Roches Point	1026·8	*	WNW	2	c	50	92	9	5	–	–	9+	9+	2500	1	2

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 27th Hrs. (36)
1	London (Kew)	57	48	33	Tr	–	1·9
	Croydon ...	56	46	40	Tr	–	0·6
	S. Farnborough	57	50	47	Tr	Tr	1·1
	Boscombe Down	58	48	47	–	–	0·1
	Calshot (Sthmtn.)	57	50	47	–	–	3·0
	Lympne ...	53	43	38	2	–	0·6
	Manston ...	55	44	40	Tr	–	1·1
2	Shoeburyness ...	57	43	36	0·1	–	0·6
	Felixstowe ...	55	42	38	0·3	–	1·4
	Gorleston ...	52	38	36	3	Tr	0·5
	Mildenhall ...	56	35	29	0·1	Tr	1·5
	Cranwell ...	55	36	29	Tr	–	1·0
3	Birmingham ...	56	48	46	0·1	–	4·0
	Upper Heyford	57	46	39	–	Tr	*
4	Ross-on-Wye	54	48	39	–	–	0·3
5	Bristol ...	56	46	39	Tr	–	3·0
	Portland Bill ...	54	47	*	–	–	*
	Plymouth ...	55	51	49	–	Tr	1·1
	The Lizard ...	54	47	*	–	–	4·3
	Scilly (St. Mary's)	53	46	*	–	0·1	2·5
	Guernsey ..	54	49	48	Tr	–	2·5
6	Pembroke ...	50	46	*	–	–	0·0
7	Holyhead ...	53	48	46	–	–	0·4
	Chester (Sealand)	54	49	47	Tr	0·2	1·3
8	Manchester ...	53	46	41	0·1	–	0·2
10	Spurn Head ...	52	42	*	0·2	Tr	1·5
	Catterick ...	54	45	40	1	–	3·3
	Tynemouth ...	56	44	37	–	–	8·4
11	St Abbs Head ..	53	44	*	–	Tr	*
	Leuchars ...	56	37	25	–	–	8·6
12	Renfrew (Abbots L)	52	43	41	Tr	0·3	4·8
	Eskdalemuir ...	51	42	39	–	0·1	3·2
	Point of Ayre ...	52	47	*	0·4	Tr	1·7
13A	Tiree	51	47	46	Tr	0·4	5·1
13B	Stornoway ...	48	43	*	0·1	1	5·3
16	Dalwhinnie ...	47	37	29	–	0·4	4·5
	Aberdeen ...	52	42	38	Tr	–	8·2
	Wick ...	49	38	*	1	0·6	*
16	Lerwick ...	41	35	*	1	2	0·5
17	Blacksod Point	53	42	*	0·5	Tr	*
18	Malin Head ...	52	47	*	–	0·3	0·8
	Aldergrove ...	52	48	47	Tr	Tr	1·2
19	Birr Castle ...	55	48	*	–	Tr	0·0
20	Valentia Obsy. †	53	50	43	0·1	Tr	0·1
	Roches Point	53	47	*	–	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	cpr.cz.	cz.y	cz.cm.	57	48	33	Tr	–	1·9	•	•	6
Croydon	217	cm.z.pr.	cz.c	cz.cbbc	56	46	40	Tr	–	0·6	•	•	6
Greenwich (Royal Observatory)...	149	rc rc	c	cbcm.	56	46	38	0·3	–	0·4	65	78	5
City (Bunhill Row)	—	•	•	•	•	•	•	•	•	1·0	•	•	•
Westminster (St. James' Park) ...	27	•	•	•	58	47	39			0·5	65	79	•
Regents Pk. (Botanic Gardens)‡...	168	•	•	•	56	46	40	1	–	0·5	69	86	•
Camden Square	110	crc	c	•	56	45	34	0·3	–	•	•	78	•
Kensington	80	cbcp	bc	•	57	47	36	1	Tr	0·6	At 18h. 61	81	•
Hampstead Observatory	450	orbc	c	o	55	48	35	1	–	0·7	•	91	•

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 28th

South Kensington.

Max.	Time.	Min.	Time.
<0·3	Whole period.		

Kew Observatory.

Max.	Time.	Min.	Time.
0·2	20h 27th	<0·1	1-2h 28th

FOREIGN OBSERVATIONS.

Stations	18h. G.M.T. 27th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 28th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1017·9	WNW	3	o	52	1024·1	WNW	2	z.	50
Brussels						1021·8	WNW	2	c	41
Berlin	1006·8	W	2	bc	41					
Zurich	1016·8	W	5	r.r.	39	1022·6	NNW	2	ir	41
Rome						1012·9	NE	3	b	50

Stations	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	52	48	0·4	–
Brussels		41		2
Berlin	*		*	
Zurich	43	39	3	12
Rome	*	*		–

EXPLANATION OF FIGURES, LETTERS, etc.

COLUMNS 2, 15.
The barometric tendency is expressed in tenths of a millibar.

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

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

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

COLUMNS 8, 22 — Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

§ 1 hr. observations are from Valentia W/T Station.

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

§ Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 29th March, 1938.

No. 27886.

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

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. (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)	1024·9	0	SW'W	2	c	59	65	8	5	-	-	10	10	2500
	Croydon ...	1025·0	+2	W	2	c	58	65	7	7	-	-	10	10	4000
	S. Farnborough	1025·0	-2	WNW	3	c	60	55	8	7	-	-	9+	9+	4000
	Boscombe Down	1025·5	-4	W	3	c	60	65	9	7	3	2	7-8	9	4000
	Calshot (Sthmtn.)	1025·7	-2	SSW	3	c	58	65	8	7	5	-	9	9	4000
	Lympne ...	1025·1	+2	NW'W	2	c	57	65	7	8	-	4	7-8	7-8	4000
	Manston ...	1024·8	+2	W'N	3	c	57	75	7	1	-	8	2-3	7-8	2500
2	Shoeburyness ...	1024·5	-2	NW'N	2	c	59	65	8	2	-	3	2-3	9+	2500
	Felixstowe ...	1024·3	+2	WSW	2	c	56	65	8	8	-	8	4-6	7-8	1500
	Gorleston ...	1023·0	+4	W	3	c	56	65	6	5	-	-	9+	9+	2500
	Mildenhall ...	1023·2	-4	WSW	3	c	59	75	7	8	3	-	7-8	9+	2500
	Cranwell ...	1022·5	-2	WSW	5	c	57	65	7	8	7	-	4-6	10	2500
3	Birmingham ...	1023·2	-2	W	3	c	58	55	8	5	7	-	7-8	10	2500
	Upper Heyford	1024·9	+2	WNW	3	c	59	55	9	7	7	6	9	9+	2500
4	Ross-on-Wye	1024·6	-4	W	3	c	59	55	8	7	-	6	4-6	7-8	4000
5	Bristol ...	1025·9	+2	W	4	c	57	75	8	7	7	8	4-6	7-8	4000
	Portland Bill ...	1026·3	+2	W	3	c	53	85	8	2	4	-	7-8	10	2500
	Plymouth ...	1027·8	+4	SSW	3	c	52	92	8	5	-	-	9+	9+	2500
	The Lizard ...	1028·3	0	W	2	bc	54	85	7	8	-	-	2-3	2-3	2500
	Scilly (St.Mary's)	1029·1	+2	WNW	3	bc	55	85	8	7	3	-	4-6	4-6	1500
	Guernsey ...	1027·5	0	NW'N	2	c	54	85	7	8	-	-	9+	9+	2500
6	Pembroke ...	1026·7	0	W'S	3	c	51	85	8	7	7	-	4-6	9	4000
7	Holyhead ...	1023·9	-2	SW	4	c	54	85	8	7	3	6	2-3	7-8	2500
	Chester(Sealand)	1024·0	+2	NNW	4	c	54	75	7	5	-	-	10	10	4000
8	Manchester ...	1023·5	+2	W'N	4	c	54	75	7	1	7	-	2-3	10	2500
10	Spurn Head ...	1021·3	-6	WNW	5	c	54	75	6	8	1	-	4-6	10	450
	Catterick ...	1020·5	-2	SW'W	3	c	56	65	8	5	7	5	7-8	9	2500
	Tynemouth ...	1019·1	+2	W	3	c	54	65	6	8	-	-	9+	9+	1500
11	St Abbs Head ...	1015·6	-8	WNW	7	c/pr	51	75	8	8	7	1	4-6	7-8	2500
	Leuchars ...	1016·0	-2	SW	4	c	56	85	8	8	7	8	4-6	9	2500
12	Renfrew (Abbots I.)	1017·8	0	WSW	5	rr	50	97	6	5	1	-	9	10	800
	Eskdalemuir ...	1019·1	-2	WSW	5	d.d.	48	92	6	-	2	-	10	10	450
	Point of Ayre ...	1021·5	0	W	5	c	52	85	7	5	2	-	7-8	10	800
13A	Tiree	1014·5	-14	SW	6	ir.	50	97	6	5	-	-	10	10	220
13B	Stornoway ...	1009·2	-12	SW	6	rr	50	97	6	5	2	-	9	10	1500
15	Dalwhinnie ...	1014·4	-8	SW	5	ir	49	85	7	4	2	1	4-6	10	2500
	Aberdeen ...	1017·6	-12	SSW	3	c/r	53	75	7	5	7	-	Tr	10	4000
	Wick ...	1009·2	-12	W	6	c	56	85	8	8	7	8 #	4-6	9	1500
16	Lerwick ...	1004·8	-24	SW	7	rr	47	97	5	6	-	-	10	10	450
17	Blacksod Point	1021·0	-8	SW	5	id.	53	92	7	6	-	-	10	10	800
18	Malin Head ...	1017·5	+12	SW	5	c	54	85	8	8	7	-	4-6	7-8	4000
	Aldergrove ...	1020·6	-10	SW	4	c	52	85	8	5	-	-	10	10	1500
19	Birr Castle ...	1024·4	-4	WSW	3	c	53	75	8	5	2	-	7-8	10	1500
20	Valentia Obsy. †	1027·0	-2	SW	5	id.	54	85	7	5	-	-	10	10	800
	Roches Point	1026·9	*	W	3	c	52	85	9	8	1	-	7-8	10	1500

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

District	Stations	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1023·8	0	SW'W	3	z_o	59	55	6	5	-	-	9+	9+	2500	1	*
	Croydon ...	1024·2	+2	W'N	2	z_o	59	65	6	4	-	7	9+	10	4000	1	*
	S. Farnborough	1024·4	+4	W'N	3	c	58	55	8	5	3	4 6	2-3	9+	4000	0	*
	Boscombe Down	1025·3	+4	NW'W	3	c	54	75	8	5	3	2	4-6	9+	4000	0	*
	Calshot (Sthmtn.)	1025·0	+2	WSW	3	c	57	65	8	5 8	6	-	4-6	9+	4000	1	1
	Lympne ...	1025·1	+2	SW	3	c	54	85	7	5	-	8	7-8	9+	4000	1	§ 2
	Manston ...	1023·9	-4	SSW	1	c	55	75	6	5	-	-	9+	9+	4000	1	*
2	Shoeburyness ...	1023·7	-2	SW	1	c	57	75	6	5	-	-	10	10	4000	1	*
	Felixstowe ...	1023·5	-2	S	2	z_o	51	85	6	5	-	-	10	10	4000	0	2
	Gorleston ...	1022·4	-2	WSW	1	c	56	75	5	5	-	-	10	10	2500	1	1
	Mildenhall ...	1022·8	+2	W	3	c	57	65	7	5	7	-	7-8	9+	4000	0	*
	Cranwell ...	1021·8	-4	WSW	4	c	55	75	7	4	7	-	9	10	2500	1	*
3	Birmingham ...	1022·9	-4	W	3	c	53	65	8	5	7	-	2-3	9+	4000	1	*
	Upper Heyford	1023·8	-2	W'S	3	c	56	75	7	5	7	-	9	10	4000	0	*
4	Ross-on-Wye	1024·4	0	W	3	c	54	65	8	5	1	-	9+	10	2500	0	*
5	Bristol ...	1025·8	+2	WSW	4	c	52	85	8	5	7	8	4-6	9	2500	0	*
	Portland Bill ...	1025·5	-4	W	2	c	49	92	7	4	7	-	7-8	10	2500	1	2
	Plymouth ...	1027·0	-2	NW'W	3	c	55	65	8	5	-	6	4-6	7-8	2500	0	1
	The Lizard ...	1028·0	+2	NW'W	3	bc	51	75	8	8	6	-	4-6	4-6	2500	1	2
	Scilly (St.Mary's)	1028·9	-2	NW'W	4	c	51	85	8	5	7	-	7-8	10	1500	1	2
	Guernsey ...	1027·2	+2	W	2	c	51	92	7	8	3	-	9	10	2500	1	1
6	Pembroke ...	1026·1	-4	SSW	5	q	49	85	8	5	2	-	7-8	9	4000	1	2
7	Holyhead ...	1022·6	-10	SSW	4	c	50	85	8	7	7	-	4-6	9+	2500	1	3
	Chester(Sealand)	1023·3	-2	WSW	3	c	53	75	8	5	2	-	9	10	2500	1	*
8	Manchester ...	1022·8	-2	W'N	3	z_o	51	85	6	5	7	-	7-8	10	2500	1	*
10	Spurn Head ...	1020·9	-4	W	3	c	51	85	6	5	2	-	4-6	10	800	0	2
	Catterick ...	1020·0	+2	SW	3	c	51	85	8	5	2	-	7-8	9+	1500	0	*
	Tynemouth ...	1017·7	-8	SW	3	c	53	85	6	8	1	-	7-8	10	1500	0	1
11	St Abbs Head ...	1014·6	-4	W	5	c	52	85	8	8	2	-	7-8	10	2500	0	3
	Leuchars ...	1012·8	-14	SW	4	c/r	51	92	7	5	7	8	4-6	9+	1500	0	*
12	Renfrew (Abbots I.)	1015·3	-2	WSW	4	rr	51	97	5	6	2	-	9+	10	800	1	*
	Eskdalemuir ...	1016·6	-12	SW'W	5	d.d.	47	92	6	-	2	-	10	10	450	1	*
	Point of Ayre ...	1019·2	-16	W	6	c	52	85	7	5	2	-	7-8	9+	1500	0	3
13A	Tiree	1012·7	-6	WSW	6	id.	51	97	6	-	2	-	10	10	800	1	4
13B	Stornoway ...	1006·3	-8	WSW	7	rr.	51	97	6	5	2	-	9	10	1500	1	3
15	Dalwhinnie ...	1011·9	-10	SW	4	ir	48	85	7	6	-	-	10	10	2500	1	*
	Aberdeen ...	1010·0	-12	SW'S	2	c	55	75	6	5	9	-	4-6	9+	2500	1	1
	Wick ...	1006·3	-8	WNW	6	c	53	85	8	5	7	-	7-8	10	1500	1	3
16	Lerwick ...	1001·7	-12	WSW	8	ir	47	97	6	6	2	-	4-6	10	800	1	*
17	Blacksod Point	1018·9	-6	W	4	iD	51	97	6	6	-	-	10	10	4150	1	3
18	Malin Head ...	1016·1	-12	SW'W	4	c	52	92	7	6	8	-	4-6	9	1500	1	4
	Aldergrove ...	1018·7	-8	SW	5	ir.	52	92	7	5	-	-	10	10	1500	1	*
19	Birr Castle ...	1023·0	-4	WSW	3	c	54	85	8	5	-	-	10	10	1500	1	*
20	Valentia Obsy. †	1025·7	-6	SW	5	c	52	92	7	5	-	-	10	10	800	1	3
	Roches Point	1025·7	*	W'N	3	c	53	85	9	8	1	-	7-8	9	1500	1	2

PAST 24 HOURS.

Weather. 7h.—18h. 28th (37)	18h.—18h. 28th (38)	18h 28th to 1h. 29th (39)	1h.—7h. 29th (40)
cz_oc	cz_o	cz_oyc	cm_o
cz_oc	ccy	cz_obcc	bbco
cvy	Vcy	cbbc	bccwv
c	c	cbcc	c
cbcc	c	cbcc	c
bbcc	cbcc	cbm_o	bwb_oc
bc	$bccm_o$	cz_ocb	bwc
cwbcc	cz_oc	cz_o	cz_ow
cbc	$bcccz_o$	cz_obcm_o	bcc
bcc	cz_o	$cbcz_o$	bcc
cbcc	$cbccm_o$	ccm_o	cm_obc
cm_oc	c	ccz_om_o	c
cbcc	c	cbc	bcc
bcc	cyc	$cbcm_o$	$bccm_ow$
cbcc	c	cbcc	bcc
bccbc	bcc	cm_o	cm_o
c	c	bcc	c
cm_oc	c	c,cz_om_o	$cm_od_od_o$
$cbcm_o$	bccbc	bcco	oc
bc	bcc	c	oid_omc
c	c	cwc	co
cbc,c	cq	bbc,fq,c	Feoq
c	c	c	c
cm_oz_o	c	cbcc	cir_om_o
cm_oc	cm_oz_o	$c,or_od_od_mo_od_of_f$	
czifc	co	cobc	bcco
c	c	pr_ocbc	bcc
c	c	$co\,ir_odc$	bcc
corc	c	bcba	bcoq
cprc	cegir.	cm_ob	bwc
cid_orrm	cm_orrr	rcm_oir_o	civ_oid_o
od_od_o	od_od_o	d_orrd_o	$r_o\,^{\circ}C$
c	c	c	odd c
idrir.	oiRid.	oid.	$loidm_o$
crrz.	crr	cr_or_o	cd_od_orr
cir	cRr	*	crrir
ccr.	ccz.	z_ocb	b_oc
cprc	c	cprc	cpr_oc
$corrm_o$	crrir	cir	cpr
id.q	iD	iD	iD
cprc	c	cideidc	c
$idid_oc$	$ccir_o$	$ir_od_od_o$	odd od_o
c	c	$coid_o$	oid_o
cid.	cid.idc	id_oo	id_oidDo
c	cpr.c	cbcw	cw

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).
⊕, Solar halo. ☾ lunar halo. ⫽ gale.
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 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).

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 .. Ground covered with thawing snow.
7 .. ,, 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.

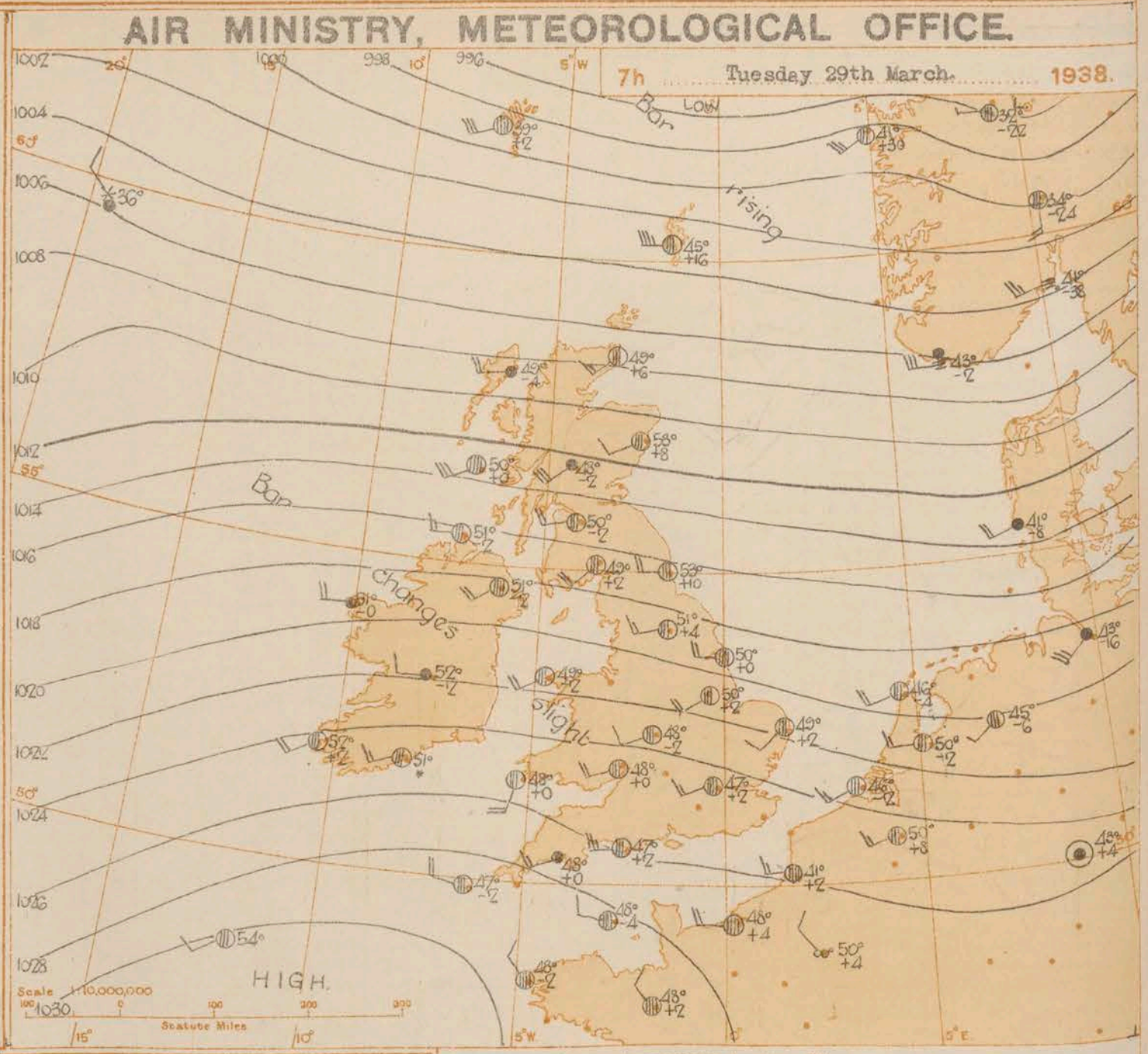
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 28th March 1938.

Divisions	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature (°F). Min. 9h. 27th to 9h. 28th.	Temperature (°F). Max. 9h.—17h. 28th.	Rainfall (ins.). Night. 17h. 27th to 9h. 28th.	Rainfall (ins.). Day. 9h.—17h. 28th.	Sunshine (Hrs.). Sunrise to 17h. 28th.	Sunshine (Hrs.). Sunrise to Sunset. 27th.
1	Tunbridge W.	ocbc	bcc	47	60	-	-	3·6	0·7
	Bournemouth	bbcc	bcc	48	62	-	-	2·9	6·9
	Ventnor ...	oco	cbcc	49	59	-	-	2·7	9·0
	Southsea ...	cbc	bbcc	50	63	-	-	2·6	3·1
	Bognor Regis	bcc	cbcc	50	59	-	-	2·1	1·4
	Littlehampton	c	c	49	58	-	-	1·6	0·2
	Worthing ...	bcc	cbcc	50	58	-	-	1·9	1·2
	Brighton ...	bc	cbc	49	56	-	-	2·4	0·5
	Eastbourne† ...	c	cbcc	48	57	-	-	1·5	1·2
	Hastings† ...	bc	bc	47	61	-	-	6·8	1·9
	Folkestone ...	bbc	bccp	45	57	-	Trace	6·7	0·1
	Dover ...	bbc	bcc	45	58	-	-	7·1	0·2
	Deal	bcb	bcbco	43	59	-	-	7·6	1·6
	Ramsgate ...	bc	bcm	46	58	-	-	8·9	2·0
	Margate ...	bc	bcc	45	60	-	-	9·5	1·1
2	Southend ...	bbc	bcc	44	60	-	-	4·6	1·1
	Clacton-on-Sea	bcz	bccz	40	57	-	-	6·5	1·2
	Dovercourt ...	bc	bcpc	41	60	-	Trace	7·5	2·4
	Lowestoft ...	bbc	c	37	60	-	-	6·1	0·7
	Skegness ...	bc	c	35	58	-	-	2·2	1·2
	Mablethorpe...	bcco	oc	37	58	-	-	1·2	0·9
	Cleethorpes ...	bccbc	bcc	39	60	Trace	-	1·8	1·8
3	Leamington S.	bcc	bcc	47	61	-	-	2·2	0·7
4	Cheltenham†	cwbcc	bccp	49	61	-	Trace	3·2	2·5
5	Bath	bcb	bbcc	50	60	-	-	8·1	1·6
	Weymouth ...	bcc	bcc	48	55	-	-	3·2	2·7
	Jersey ...	c	c	49	57	-	-	0·2	0·5
	Torquay ...	c	cbc	52	60	-	-	0·9	4·9
	Falmouth	b	b	49	60	-	-	6·0	4·4
	Penzance ...	b	bbcc	47	60	-	-	8·8	4·6
	St. Ives ...	b	b	44	59	-	-	9·5	3·4
	Bude... ...	cbc	bcc	47	54	-	-	7·2	1·1
	Ilfracombe ...	bcbc	cbcc	48	55	-	-	4·9	0·0
6	Aberystwyth	cbc	c	47	51	0·5	-	2·8	0·0
7	Llandudno ...	cbc	bcc	48	56	-	-	3·1	0·2
	Colwyn Bay...	bcc	bcc	50	58	-	-	3·4	0·1
	Rhyl	cbc	bcc	48	56	-	-	2·1	0·4
8	Wallasey ...	c	c	47	57	-	-	2·2	2·0
	Southport ...	cbcc	cbcco	47	54	-	-	1·5	2·5
	Blackpool ...	czo	ocom	47	52	-	-	1·7	4·2
	Morecambe ...	bccbc	cdo	46	51	Trace	Trace	0·6	3·7
9	Ilkley... ...	doc	cop	43	58	0·1	Trace	1·9	5·3
	Harrogate ...	cbc	c	43	55	-	-	0·8	4·0
10	Berwick-on-T.	o	co	42	55	-	-	0·9	6·8
11	Dunbar ...	cm	cm	41	56	-	-	1·9	8·5
12	Troon... ...	oc	co	44	51	1	-	0·0	4·1
	Douglas ...	cpr	cpr	47	52	Trace	Trace	0·0	0·1

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.



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. 29th March, 1938
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light or moderate westerly winds; bright periods; mild.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Light or moderate westerly winds; mainly cloudy, local coastal drizzle; mild.
7 North Wales ... 8 N.W. England 9 N. Midlands ...	Moderate or fresh westerly winds; cloudy, occasional drizzle; mild.
10 N.E. England 11 S.E. Scotland	Moderate or fresh west winds; fair periods; mild.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W. Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland	Moderate or fresh west to southwest winds; cloudy, occasional rain or drizzle; mild.
18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	As 4 - 6.

GENERAL INFERENCE.

Pressure is high over France and the Bay of Biscay and low to the north of the Faeroes. There will be occasional rain in the north and northwest and local drizzle at times in the western districts. In the south and southeast weather will be mainly fair and mild.

FURTHER OUTLOOK.

Unsettled with rain at times in the north and northwest; mainly fair in the south and southeast.

Forecasts issued at 1030 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2

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.

Morning of

TUESDAY, 29TH MARCH.

1938.

Lambert's Projection Scale 1·4 x 10⁷ along meridian at 55° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

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

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

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 29th March, 1938.
No. 27886.

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

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	1024.5	0	WSW	3	c	47	85	8	5	3	-	4.6	5	2500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1025.0	0.	W	3	bc	47	85	6	-	-	2	0	4.6	-
	Manston ...	142	1024.1	+4	W's	3	bc	47	85	7	-	-	8	0	2-3	. -
2	Shoeburyness...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1021.4	+2	WSW	3	bc	50	75	7	-	1	-	0	2.3	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1026.2	+6	W	3	c	50	85	8	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1028.4	0	WNW	3	o	49	85	8	5	-	-	10	10	2500
	Scilly (St. Mary's)	163	1028.9	0	NW'W	4	[illegible]	48	92	7	5	-	-	7-8	7-8	800
	Guernsey ..	175	1027.9	+2	WNW	1	[illegible]	49	85	6	8	-	-	10	10	2500
6	Pembroke ...	142	1025.6	0	W's	5	[illegible]	48	97	3	5	2	-	7-8	10	2500
7	Holyhead ...	26	1021.7	-2	SW	4	[illegible]	49	97	7	5	-	-	10	10	450
	Chester(Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1019.5	-8	WSW	5	bc	48	92	6	5	-	-	4.6	4-6	2500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1016.1	-6	W	3	bc	53	85	7	2	-	-	4.6	4-6	1500
11	St Abbs Head ..	280	1011.3	-16	W	7	bc	53	85	8	-	4	-	0	2-3	-
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre...	30	1018.8	+2	W'N'	5	c	50	97	7	5	-	-	7-8	7-8	1500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1008.4	+10	WSW	6	r.r.	50	97	7	5	2	-	4.6	10	1500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1006.8	+10	W	6	q	51	85	7	5	1	-	7-8	9+	1500
16	Lerwick ...	156	1001.7	+4	WSW	8	cr	48	97	7	5	2	-	7-8	10	800
17	Blacksod Point	18	1020.1	0	W	4	1D	51	97	6	6	-	-	10	10	4150
18	Malin Head ...	84	1017.1	+8	W	5	c	50	97	6	9	-	-	9+	9+	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy.†	30	1025.0	-2	SW	4	o	52	97	7	5	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)
1024.3	0	SW	2	z_o	48	85	6	5	-	-	9+	9+	2500	0	*
1024.6	+2	WSW	3	o	47	92	6	5	-	-	10	10	1500	1	*
1024.9	+2	WS	3	c	49	85	8	5	-	-	9+	9+	1500	1	*
1025.5	0	W'N	4	c	48	92	8	5	-	-	10	10	800	0	*
1025.6	+2	SW	2	c	48	92	7	5	-	-	9+	9+	1500	1	1
1024.9	+4	WSW	3	c	45	85	6	5	7	-	7-8	9+	2500	1	§ 1
1023.8	+4	WSW	2	c	46	92	7	5	-	-	10	10	2500	1	*
1023.5	+2	SW'W	3	c	48	85	6	4	7	-	4.6	7-8	4000	1	*
1022.6	-2	SWS	2	c	47	85	7	5	3	-	4.6	7-8	7200	0	2
1021.1	+2	SW'W	2	c	49	85	6	5	-	-	9+	9+	2500	0	2
1022.0	+4	SW'W	3	bc	49	85	7	5	4	1	2-3	4.6	5700	1	*
1020.3	+2	SW'W	4	c	50	85	8	5	7	-	9+	9+	1500	1	*
1022.5	-2	WSW	2	c	48	85	8	-	7	-	0	9	-	1	*
1023.8	0	S'W	2	z_o	45	97	6	-	4	9	0	9+	-	0	*
1024.1	-4	SW	3	c	49	85	8	4	7	7	1	9+	2500	0	*
1025.4	0	W's	4	c	48	97	7	5	-	-	10	10	800	0	*
1025.8	+2	W	5	c	47	85	8	4	7	-	7-8	10	2500	1	3
1027.3	0	WSW	3	d.d.	48	97	5	6	-	-	10	10	220	0	1
1028.2	0	W	3	c	48	97	8	5	2	-	9	10	1500	0	1
1028.1	-2	WNW	4	c	47	97	8	4	4	2	4.6	7-8	800	1	2
1028.1	+4	WNW	2	o	48	92	8	5	8	-	10	10	4000	0	2
1025.3	0	SSW	4	q	48	97	6	5	2	-	7-8	9+	2500	1	3
1021.4	-2	SW'W	4	c	49	97	7	5	8	-	4.6	7-8	2500	1	2
1021.8	0	W	2	q/r	52	85	6	5	-	-	9+	9+	2500	1	*
1021.0	+2	WSW	3	df	50	97	3	-	2	-	10	10	450	1	*
1019.0	0	W	4	o	50	97	6	5	-	-	10	10	800	0	3
1017.7	+4	W's	3	c	51	85	8	5	7	-	4-6	10	1500	0	*
1016.8	+10	W	4	c	53	85	7	8	-	-	9+	9+	1500	1	1
1013.5	+22	W	5	q	53	85	8	5	2	2	7-8	9+	2500	0	3
1013.1	+10	W	4	c	50	92	7	5	7	-	1	9+	1500	0	*
1015.2	-2	W'S	4	c/d	50	97	6	5	3	1	9+	9+	800	1	*
1016.8	+2	SW'S	4	c	49	92	6	5	-	-	10	10	220	1	*
1018.8	+2	W	5	c	51	97	7	5	7	-	2-3	9+	1500	0	3
1013.2	0	SW'W	6	o	50	97	6	5	-	-	10	10	1500	1	3
1008.1	-4	WSW	4	r.r.	49	97	7	5	2	-	4-6	10	1500	1	2
1012.5	-2	SW	6	r.	48	85	6	8	6	-	4.6	7-8	1500	1	*
1010.6	+8	SW'W	2	c	53	75	5	5	7	-	Tr	9+	2500	0	1
1007.9	+6	SW	3	c	49	97	8	5	7	-	7-8	9+	1500	1	2
1003.5	+16	W	7	c	45	75	8	8	2	-	7-8	9	1500	1	*
1019.2	0	W	4	1D	51	97	6	6	-	-	10	10	4150	1	3
1016.3	-2	W	3	c/d	51	97	6	6	-	-	9+	9+	800	1	3
1018.4	-2	SW's	4	c/d	51	97	6	5	-	-	10	10	220	1	*
1022.0	-2	W	2	1d.	52	97	7	5	-	-	10	10	2500	1	*
1024.5	+2	SW'W	4	c	52	97	6	5	-	-	10	10	450	1	3
1024.9	*	W's	3	c	51	97	8	5	-	5	4-6	7-8	1500	1	2

PAST 24 HOURS.

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 28th Hrs. (36)
62	45	37	-	-	2.30
62	45	41	-	-	1.9
62	45	39	-	-	1.4
60	43	40	-	-	4.0
61	45	41	-	-	1.1
58	42	36	-	-	6.3
61	40	33	-	-	8.5
62	45	40	-	-	5.2
61	46	42	-	-	7.2
58	47	46	-	-	5.8
62	47	44	-	-	3.3
58	47	45	-	-	1.0
58	46	43	-	-	0.4
63	42	37	-	-	*
62	47	43	-	-	3.1
60	46	43	-	-	8.0
54	46	*	-	-	*
55	48	46	-	Tr	0.6
55	46	*	-	-	18.0
56	47	*	-	0.2	8.1
56	46	44	-	-	1.0
58	46	*	-	0.3	5.0
55	48	46	-	-	1.2
57	51	48	-	Tr	0.4
56	49	48	-	0.5	1.1
56	47	*	-	-	1.1
56	49	45	-	Tr	0.0
56	50	40	-	Tr	0.3
55	50	*	Tr	-	*
57	50	47	Tr	-	1.2
53	49	48	4	0.4	0.0
49	46	46	0.5	5	0.0
53	49	*	-	-	0.0
51	49	49	2	0.2	0.0
52	49	*	2	1	0.0
50	47	43	2	3	0.2
61	50	41	0.1	-	0.8
57	48	*	0.1	0.6	*
48	43	*	4	2	0.0
53	48	*	0.2	1	*
54	45	*	0.6	1	2.2
54	49	49	0.1	0.5	0.0
56	51	*	-	0.3	0.6
54	51	50	Tr	0.5	0.0
54	50	*	Tr	Tr	*

LONDON OBSERVATIONS

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

	Height above M.S.L. in feet.	Weather. Morning. (24 hrs. ended 9h.)	Weather. Afternoon. (24 hrs. ended 9h.)	Weather. Night. (24 hrs. ended 9h.)	Temperature. Day Max. °F.	Temperature. Night Min. °F.	Temperature. Min. on Grass °F.	Rainfall. Day mm.	Rainfall. Night mm.	Sunshine to Sunset hrs. (Yesterday.)	Humidity. 15h G.M.T. % (Yesterday.)	Humidity. 9h G.M.T. % (To-day.)	Visibility 9h.
Kew	18	cz_oc	cz_o	cz_ycm_o	62	45	37	-	-	2.30	*	*	7
Croydon	217	cz_oc	ccy	cz_obc	62	45	41	-	-	1.9	*	*	7
Greenwich (Royal Observatory) ...	149	c	cy	cbc	61	46	39	-	-	2.3	55	75	6
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	*	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	62	47	41	-	-	2.3	57	80	*
Regents Pk. (Botanic Gardens)† ...	168	*	*	*	62	46	44	-	-	2.2	61	86	*
Camden Square	110	c	c	*	63	47	40	-	-	*	*	77	*
Kensington	80	cbc	bc	*	62	47	42	-	-	2.2	At 18h. 57	81	*
Hampstead Observatory	450	obc	c	bc	60	44	39	-	-	2.7	*	89	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 29th

South Kensington.

Max.	Time.	Min.	Time.
0.3	whole period		

Kew Observatory.

Max.	Time.	Min.	Time.
0.2	28th	40.1	24h 29th

FOREIGN OBSERVATIONS.

18h G.M.T. 28th March ... 7h. G.M.T. 29th March ... Past 24 Hours.

Stations	18h Barom. mb.	18h Wind. Direc.	18h Wind. Force.	18h Weather.	18h Temp. °F.	7h Barom. mb.	7h Wind. Direc.	7h Wind. Force.	7h Weather.	7h Temp. °F.	Past 24 Hours. Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
Paris	1025.9	NW	3	c	55	1027.0	NW'W	2	z_o	50	59	50	-	-
Brussels						1023.8	WSW	3	c	50		48		-
Berlin	1021.5	NNW	4	b	41	1022.7	S	3	c	39	48	28	Tr	-
Zurich	1026.4	SSE	1	c	45	1027.4	SE	1	m	41	50	*	7	6
Rome	1014.3	WNW	4	bc	57						*	*	-	

EXPLANATION OF FIGURES, LETTERS, etc.

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

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

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

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

COLUMNS 8, 22.—Code for surface visibility.

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

COLUMN 30.—Code for State of Sea.

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

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METEOROLOGICAL OFFICE. AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 30th March, 1938.

No. 27887.

District.	Stations. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 29th March. Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. Force 0–12 (4)	Weather. (5)	°Temp. (6)	%Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1024·0	−4	W	3	c	61	65	8	5	–	–	9	9	2500
	Croydon ...	1024·3	−6	WSW	3	c	61	65	7	1	3	2	2–3	7–9	4000
	S. Farnborough	1024·7	−4	W	4	c	60	65	8	7	–	–	9+	9+	4000
	Boscombe Down	1025·7	−4	W'N	4	c	56	85	9	5	–	–	8	8	1500
	Calshot (Sthmtn.)	1025·9	+2	SSW	3	c	54	85	8	5	–	–	9+	9+	2500
	Lympne ...	1024·2	−6	SW	4	c	60	65	8	7	–	1	7–8	7–8	2500
	Manston ...	1023·3	−8	WNW	3	c	61	65	7	2	7	4	4–6	7–8	2500
2	Shoeburyness ...	1023·3	−6	WSW	3	bc	61	65	6	1	3	3	1	4–6	4000
	Felixstowe ...	1022·8	−2	W'S	3	bc	60	65	8	8	–	4	2–3	4–6	2500
	Gorleston ...	1020·9	−2	W'S	4	c	62	65	6	2	4	–	4–6	7–8	2500
	Mildenhall ...	1022·0	−4	W	5	c	61	65	8	5	4	–	7–8	9+	2500
	Cranwell ...	1021·3	−2	SW'W	4	c	56	75	8	5	7	–	4–6	10	1500
3	Birmingham ...	1022·2	0	W	4	c	59	65	8	8	7	–	4–6	9+	2500
	Upper Heyford	1023·6	−4	WSW	4	c	62	65	8	7	3	1	4–6	9	1500
4	Ross-on-Wye	1023·5	−4	W	3	c	62	65	8	7	–	8	4–6	7–8	4000
5	Bristol ...	1025·8	+2	W	4	c	53	92	8	5	–	–	10	10	800
	Portland Bill ...	1026·2	+2	WSW	4	c	49	95	7	4	4	–	4–6	10	2500
	Plymouth ...	1027·8	−2	NW'W	3	c	53	85	8	5	–	–	10	10	1500
	The Lizard ...	1028·9	+2	W	4	id.	52	92	8	5	1	–	9	10	1500
	Scilly (St.Mary's)	1029·1	+2	W	4	c|p	53	85	8	5	–	–	9+	9+	1500
	Guernsey ...	1028·4	0	W'N	3	c	51	85	9	8	–	–	9+	9+	2500
6	Pembroke ...	1025·5	+4	W'S	4	f+	49	97	2	–	–	–	10	10	<150
7	Holyhead ...	1021·4	−2	SW	4	c	55	85	8	5	8	–	4–6	7–8	4000
	Chester(Sealand)	1021·8	−2	WSW	4	c/p	59	75	8	5	7	–	4–6	9	1500
8	Manchester ...	1021·3	0	W'S	4	c/r	55	85	6	5	–	–	10	10	1500
10	Spurn Head ...	1019·7	+4	W	4	c	53	92	6	5	–	–	10	10	1500
	Catterick ...	1018·0	−2	WSW	4	bc	55	85	8	7	4	8	2–3	4–6	1500
	Tynemouth ...	1015·7	−10	W	5	bc	59	75	6	8	–	–	4–6	4–6	1500
11	St Abbs Head ...	1013·7	−12	W	6	q	55	85	8	2	–	–	9+	9+	2500
	Leuchars ...	1012·8	−6	WSW	4	c	58	75	8	8	7	–	7–8	9	2500
12	Renfrew (Abbotsl.)	1013·1	−4	W'S	5	c	55	92	7	5	–	–	10	10	800
	Eskdalemuir ...	1016·6	0	WSW	5	d.d.	52	85	6	–	2	–	10	10	800
	Point of Ayre...	1019·1	−2	W	6	c	56	85	7	5	–	–	9+	9+	1500
13a	Tiree	1014·0	+6	WSW	6	c/d	51	92	6	5	–	–	10	10	220
13b	Stornoway ...	1008·8	+8	WSW	6	ir.	51	97	7	5	2	–	7–8	10	2500
15	Dalwhinnie ...	1012·6	0	SW	3	c	51	92	7	5	6	–	4–6	10	2500
	Aberdeen ...	1010·2	−6	W'S	3	pr	59	65	7	4	–	–	9+	9+	2500
	Wick ...	1006·8	−6	W	8	c	57	75	8	8	4	–	4–6	7–8	1500
18	Lerwick ...	1002·3	−14	SW	5	rr	46	92	6	6	2	–	9	10	800
17	Blacksod Point	1020·9	+6	W	3	dd	52	97	6	6	–	–	10	10	<150
18	Malin Head ...	1017·2	+4	W	4	c	53	92	7	8	–	–	9+	9+	1500
	Aldergrove ...	1019·1	−2	WSW	4	c/r	56	85	8	5	–	–	10	10	900
19	Birr Castle ...	1022·6	+2	W	2	id	55	97	7	5	–	–	10	10	2500
20	Valentia Obsy. †	1026·1	+4	WSW	4	x m	53	97	6	5	–	–	10	10	450
	Roches Point	1025·3	+	W'N	3	c	58	95	9	8	4	3	4–6	7–8	2500

District.	Stations. (For heights see p. 4.)	OBSERVATIONS at 18h. G.M.T. 29th March. Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. Force 0–12 (18)	Weather. (19)	°Temp. (20)	%Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1023·7	0	WSW	3	z.	59	75	7	5	–	–	4–6	4–6	2500	0	*
	Croydon ...	1023·7	−2	WSW	3	bc	58	75	7	4	4	1	Tr	2–3	5700	1	*
	S. Farnborough	1024·4	0	WSW	4	b	57	75	8	1	4	8	Tr	1	4000	0	*
	Boscombe Down	1025·4	0	W'N	5	c	53	85	8	8	3	–	4–6	3+	1500	0	*
	Calshot (Sthmtn.)	1025·4	−2	SW	3	c	54	85	8	8	4	–	7–8	9	2500	1	1
	Lympne ...	1023·9	−2	SW	3	bc	53	85	8	4	4	2	1	2–3	7200	1	§ 3
	Manston ...	1022·7	0	W'N	2	c	59	65	7	4	4	8	4–6	7–8	5700	1	*
2	Shoeburyness ...	1022·8	0	W	2	bc	59	75	6	–	4	–	0	2–3	–	1	*
	Felixstowe ...	1022·0	−2	WSW	2	bc	60	75	8	–	9	9	0	4–6	–	0	2
	Gorleston ...	1020·5	0	WSW	3	c	60	75	6	7	–	–	7–8	7–8	2500	0	2
	Mildenhall ...	1021·2	−4	SW'W	4	c	59	75	8	8	–	–	9+	9+	4000	0	*
	Cranwell ...	1020·6	0	W'S	4	c	57	75	7	8	7	–	4–6	9+	2500	1	*
3	Birmingham ...	1022·1	+2	WNW	3	c	58	65	8	5	7	–	7–8	9+	2500	1	*
	Upper Heyford	1023·7	−2	WSW	4	c	58	75	7	8	3	1	7–8	9+	1500	0	*
4	Ross-on-Wye	1023·8	0	SW	3	c	55	85	6	5	–	2	4–6	7–8	2500	0	*
5	Bristol ...	1025·6	+4	WSW	5	z.	50	97	5	5	–	–	10	10	220	0	*
	Portland Bill ...	1026·0	−6	W	4	c	49	85	7	4	4	–	7–8	10	2500	1	3
	Plymouth ...	1027·5	0	WNW	3	c	54	85	8	5	7	–	9+	10	1500	0	1
	The Lizard ...	1028·7	+2	WNW	3	c	50	92	8	5	2	–	9	10	1500	1	2
	Scilly (St.Mary's)	1028·8	+4	WNW	4	o	50	97	8	5	–	–	10	10	1500	0	2
	Guernsey ...	1027·3	−2	W	2	c	50	92	7	8	–	–	10	10	2500	1	2
6	Pembroke ...	1024·3	−4	WSW SW'W	5	cF+	49	97	1	5	2	–	7–8	10	2500	1	3
7	Holyhead ...	1021·5	−4	SW	4	c	52	85	8	7	–	–	9+	9+	1500	1	2
	Chester(Sealand)	1021·5	−2	WSW	2	c	57	75	8	5	–	1	7–8	7–8	5700	1	*
8	Manchester ...	1021·0	+2	W'S	5	c	55	85	6	5	7	–	7–8	10	2500	1	*
10	Spurn Head ...	1019·1	−4	W'N	4	c	53	92	6	5	–	–	10	10	1500	1	3
	Catterick ...	1018·1	−2	WSW	3	c	55	85	8	5	7	–	9	9+	1500	0	*
	Tynemouth ...	1016·6	0	W	3	c	57	85	6	8	–	–	7–8	7–8	1500	0	1
11	St Abbs Head ...	1013·9	0	W	6	q	54	85	8	3	8	–	2–3	10	1500	0	4
	Leuchars ...	1012·2	−6	WSW	4	bc	55	85	8	8	4	8	4–6	4–6	2500	0	*
12	Renfrew (Abbotsl.)	1015·3	0	W	5	c/d	52	92	7	5	–	–	9+	9+	800	1	*
	Eskdalemuir ...	1015·8	−2	W'S	5	d.	52	85	6	–	2	–	10	10	800	1	*
	Point of Ayre...	1018·8	−4	W	4	c	53	92	7	5	–	–	9+	9+	1500	0	2
13a	Tiree	1013·9	−2	SW'W	5	ir.	51	92	6	6	2	–	2–3	10	800	1	4
13b	Stornoway ...	1008·6	−2	WSW	5	ir.	50	97	6	5	2	–	9	10	1500	1	3
15	Dalwhinnie ...	1012·7	0	W	4	ir.	45	85	7	4	2	–	4–6	10	1500	1	*
	Aberdeen ...	1009·5	−2	W'S	3	c	58	65	7	4	4	8	4–6	9+	2500	0	1
	Wick ...	1006·7	0	W	6	c	52	85	8	8	7	–	7–8	10	1500	1	3
18	Lerwick ...	1002·3	+2	W	6	c/pr	45	85	8	8	7	–	7–8	9	800	1	*
17	Blacksod Point	1020·0	−4	W	3	o	51	97	7	–	2	–	0	10	–	1	3
18	Malin Head ...	1016·9	−2	W	4	c	52	92	7	6	7	–	4–6	9	1500	1	3
	Aldergrove ...	1019·2	0	W'S	4	c/d	53	85	8	6	–	–	10	10	1500	1	*
19	Birr Castle ...	1022·8	+2	W	2	c	54	85	7	5	2	–	7–8	10	800	1	*
20	Valentia Obsy. †	1025·8	−4	SW	3	m x	53	97	6	5	–	–	10	10	220	1	3
	Roches Point	1025·5	+	W	3	c	53	97	8	8	–	5	4–6	7–8	1500	1	2

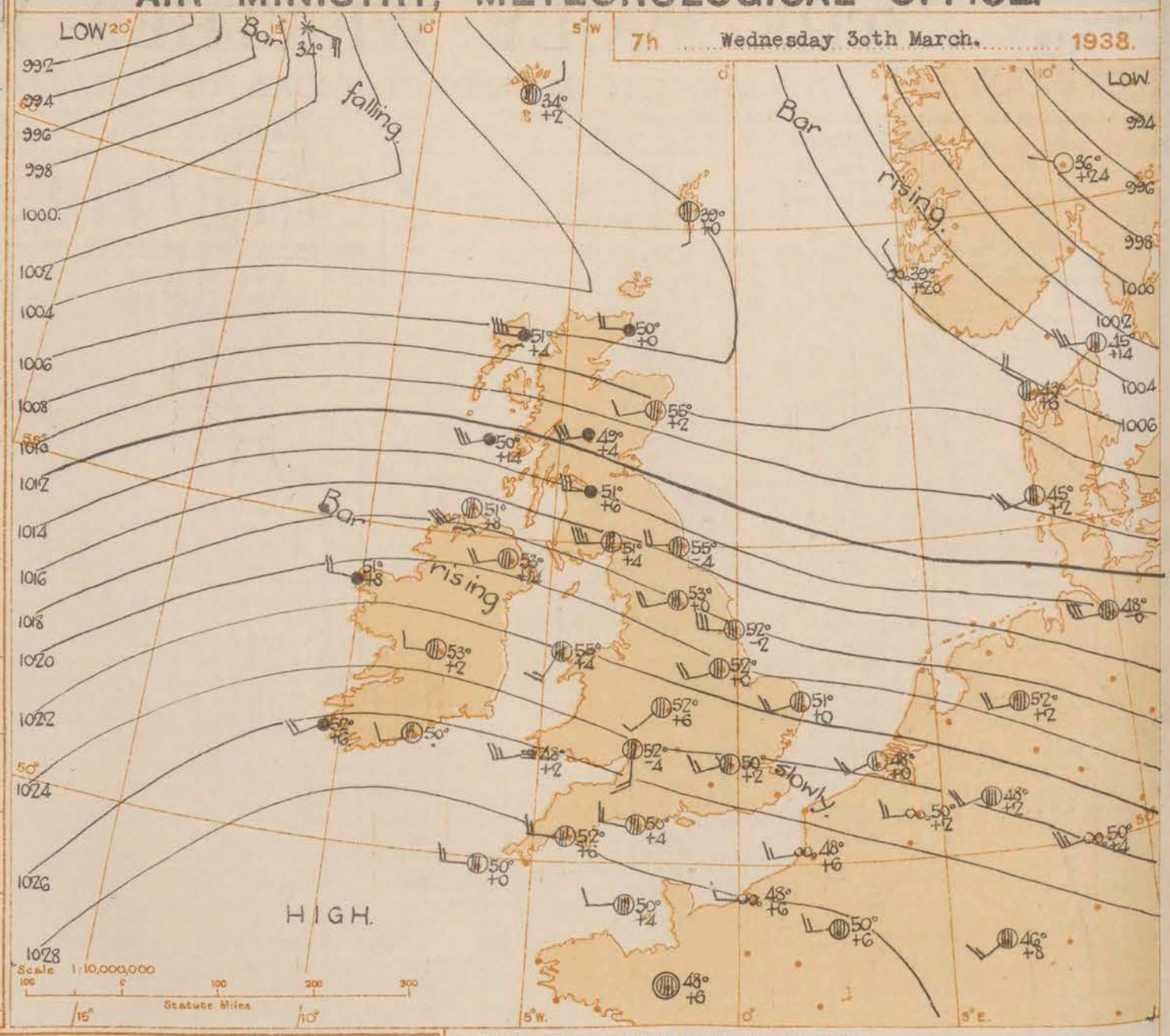
PAST 24 HOURS.

Weathers. 7h.—13h. 29th. (37)	13h.—18h. 29th. (38)	18h.—1h. 29th.–30th. (39)	1h.—7h. 30th. (40)
cm.c	cbc	bc.bw	bwbcm.
cm.cbc	bcc.b	cm.wc	c
eec.vc	cbc.vb	bbcc	c
c	cbc	bcco	o
c	c	cbm.bcm.	cm.bc
cm.c	cbcc	bwcb	bwc
cm.c	cb.cbw	bwm.c	
cz.bcz.	bcz.	bcz.wm.	cm.w
cbc	bccbc	bcb	b.c
c	cbc	bcc	
bcc	c/c	cpr.cbc	bcwc
c	c	cbcm.cm.	cm.c
cpr.	cbcc	cbc	bcc
c	c	ccm.	cm.
cbcc	cbcc	bcc	c
cm.c	cm.	cm.c	cm.c
c	c	c	c
c	cbcc	cbc	bcc
cm.c	cbcc	cbc	bcc
cm.c	cbcc	cbc	bcc
cm.

REPORTS from HEALTH RESORTS for 29th March 1938.

Districts.	Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. (°F.) Min. 9h. 28th to 9h. 29th	Temperature. (°F.) Max. 9h.—17h. 29th	Rainfall. (mm.) Night. 17h. 28th to 9h. 29th	Rainfall. (mm.) Day. 9h.—17h. 29th	Sunshine. (Hrs.) Sunrise to 17h. 29th.	Sunshine. (Hrs.) Sunrise to Sunset. 28th.
1	Tunbridge W.	cbc	cbcc	43	64	-	-	6·1	3·6
	Bournemouth	c	bbc	49	59	-	-	2·0	2·9
	Ventnor ...	o	cbbc	46	55	-	-	2·9	2·7
	Southsea ...	oc	cbcc	48	59	-	-	0·9	2·6
	Bognor Regis	ocbc	bc	48	57	-	-	3·3	2·1
	Littlehampton	cbc	bc	48	54	-	-	3·7	1·6
	Worthing ...	bc	bbc	48	57	-	-	4·9	1·9
	Brighton ...	bc	bc	47	54	-	-	5·4	2·4
	Eastbourne† ...	bc	bc	47	55	-	-	7·8	1·5
	Hastings† ...	bc	bbc	46	57	-	-	6·6	6·8
	Folkestone ...	cbbc	bcc	43	59	-	-	4·9	6·7
	Dover ...	bcc	cbc	45	58	-	-	5·2	7·1
	Deal	bc	bcc	44	63	-	-	5·6	7·6
	Ramsgate ...	bc	bc	46	64	-	-	6·3	8·9
	Margate ...	bc	bcc	45	62	-	-	6·2	9·5
2	Southend ...	cbc	bcb	44	64	-	-	4·1	4·6
	Clacton-on-Sea	cbc	bc	45	63	Trace	-	4·9	6·5
	Dovercourt ...	bc	bc	46	63	-	-	6·0	7·5
	Lowestoft ...	cbc	bcc	46	64	-	-	3·3	6·1
	Skegness ...	oco	ocbcc	45	61	-	-	0·4	2·2
	Mablethorpe...	oc	bcco	46	61	-	-	0·8	1·2
	Cleethorpes ...	c	cbc	48	59	-	-	0·3	1·8
3	Leamington S.	cbc	bc	*	63	-	-	2·8	2·2
4	Cheltenham†	wbcc	bccbc	46	62	-	-	2·8	3·2
5	Bath	c	c	48	55	-	-	0·0	8·1
	Weymouth ...	c	cbcc	48	55	-	-	1·1	3·2
	Jersey ...	c	pc	46	52	-	Trace	0·1	0·2
	Torquay ...	c	cbc	48	57	-	-	1·5	0·9
	Falmouth	od.c	cr.co	47	59	Trace	Trace	1·7	6·7
	Penzance ...	cd.c	c	47	55	Trace	-	0·5	8·8
	St. Ives ...	d	o	43	59	Trace	-	0·0	9·5
	Bude... ...	mdo	o	48	51	1	-	0·0	7·2
	Ilfracombe ...	ofcom	cbcco	46	53	-	-	0·2	4·9
6	Aberystwyth	prcif	ifc	46	49	2	Trace	0·0	2·8
7	Llandudno ...	cp.c	cbc	50	57	0·1	Trace	1·9	3·1
	Colwyn Bay...	c	cbcb	52	59	0·3	-	0·8	3·4
	Rhyl	c	c	51	59	1	-	0·5	2·1
8	Wallasey ...	cp	cp.	49	58	Trace	Trace	0·2	2·2
	Southport ...	cidoc	coc	49	53	0·2	Trace	0·1	1·5
	Blackpool ...	om.P.	oco	48	52	0·3	Trace	0·0	1·7
	Morecambe ...	idc	bccbc	47	52	1	Trace	0·2	0·6
9	Ilkley... ...	od.o	od.o	48	54	2	1	0·0	1·9
	Harrogate ...	c	bccid	48	55	0·4	Trace	0·9	0·8
10	Berwick-on-T.	c	co	50	59	Trace	-	1·5	0·9
11	Dunbar ...	bcr.	cm.	50	58	Trace	-	1·0	1·9
12	Troon... ...	idoc	ocodo	46	52	4	0·3	0·3	0·0
	Douglas ...	cm.	C	48	56	-	-	0·1	0·0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.



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

Districts.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th March, 1938
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light or moderate west winds; bright periods; rather warm.
4 W. Midlands ... 5 S.W. England 6 South Wales ...	Moderate west winds; mainly cloudy; local coast drizzle and fog; mild.
7 North Wales ... 8 N.W. England	Fresh west to southwest winds; cloudy, occasional drizzle; mild.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland	Moderate or fresh west winds; mainly cloudy; mild.
12 S.W. Scotland & Isle of Man. 13 A. W. Scotld. / B.N.W.Scotland. 14 Mid Scotland 15 N. E. Scotland 16 Orkney and Shetland 17 N. W. Ireland	Fresh or strong west to southwest winds; dull at times; occasional rain; mild.
18 N. E. Ireland 19 S. E. Ireland 20 S. W. Ireland	Moderate or fresh west to southwest winds; mainly cloudy; coastal drizzle in the west; mild.

GENERAL INFERENCE

A deep depression off southwest Iceland is moving northeast and pressure is high over France and the Bay of Biscay. There will be rain at times in north and northwest Scotland, and occasional drizzle in the western counties. Elsewhere there will be bright periods with Temperatures much above average.

FURTHER OUTLOOK.

Little change.

Forecasts issued at 1030 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2.

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.

Morning of

WEDNESDAY, 30TH MARCH.

1938.

Stereographic Projection Scale 1 : 4 x 10⁷ along meridian at 65° N.

Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ○ Clear sky. ◔ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. ✱ Snow. ✱ Sleet. △ Hail. ≡ Fog. ≡ Mist. (ϟ) Thunder. ϟ 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, 30th March, 1938.

No. 27887.

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

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	1024·9	+2	WS	4	c	51	92	7	5	-	-	10	10	800
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1025·1	-2	WNW	3	bc	49	92	7	5	-	-	2-3	2-3	4000
	Manston ...	142	1023·8	0	WN	3	b	50	92	7	5	-	-	1	1	4000
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1021·0	-4	WSW	3	bc	54	85	7	-	4	-	0	2-3	-
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1025·8	0	W	3	c	47	85	8	4	-	-	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1023·7	-2	WNW	3	bc	48	97	7	4	-	-	4-6	4-6	2500
	Scilly (St. Mary's)	163	1029·2	+2	W	4	c	50	97	8	5	-	-	9+	9+	1500
	Guernsey ..	175	1028·2	+2	W	2	c	49	97	6	8	-	-	10	10	2500
6	Pembroke ...	142	1025·4	0	W	5	F	48	97	1	-	-	-	10	10	⟨150
7	Holyhead ...	26	1022·6	0	SW	3	d	50	92	7	5	-	-	10	10	450
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1015·1	0	WNW	6	0	52	92	6	5	-	-	10	10	1500
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1016·2	-4	W	4	c	54	85	7	8	-	-	9+	9+	1500
11	St. Abb's Head ..	280	1013·1	-10	W	6	q	53	85	8	2	6	1	2-3	4-6	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1018·9	-8	W	6	bc	50	97	8	5	-	-	2-3	2-3	2500
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1006·7	-14	W	6	rr	50	97	6	5	2	-	9	10	1500
15	Dalwhinnie ...	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ..	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1007·1	+8	W	3	d.d.	48	97	7	5	2	-	7-8	10	1500
16	Lerwick ...	150	1005·5	+12	W	4	c	40	75	8	8	7	-	4-6	7-8	1500
17	Blacksod Point	18	1020·6	0	W	4	0	51	92	6	-	2	-	0	10	-
18	Malin Head ...	84	1016·2	-4	W	5	c/d	51	97	6	3	-	-	10	10	800
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1024·0	0	SW	3	c/d	52	97	6	6	-	-	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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

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)	1024·3	+2	WSW	3	z.	51	92	6	5	7	4	2-3	7-8	4000	0	*
	Croydon ...	1025·0	+2	WSW	3	c	50	92	7	5	3	3	9	9+	800	1	*
	S. Farnborough	1025·5	+4	W	4	c	50	92	8	5	-	-	9+	9+	800	0	*
	Boscombe Down	1026·3	+4	W	3	0	50	97	7	5	-	-	10	10	450	0	*
	Calshot (Sthmtn.)	1026·5	0	SWW	3	c	50	92	8	5	3	5	7-8	9	1500	1	1
	Lympne ...	1025·2	+6	WSW	3	z.	47	97	6	5	7	6	1	9-	7200	1	5/2
	Manston ...	1023·7	+2	WN	3	c	50	92	7	5	7	1	4-6	7-8	5700	1	*
2	Shoeburyness ...	1024·0	+6	WSW	4	z.	50	92	5	5	9	5	2-3	9	4000	1	*
	Felixstowe ...	1025·0	+4	WSW	4	c	51	92	7	5	3	6	1	7-8	1500	0	3
	Gorleston ...	1026·9	0	WSW	3	c	51	92	6	5	3	-	2-3	7-8	2500	0	2
	Mildenhall ...	1021·5	-2	SWW	5	z.	50	92	6	5	7	6	Tr	9	2500	1	*
	Cranwell ...	1026·8	0	WSW	4	c	52	85	7	5	2	-	9	10	1500	1	*
3	Birmingham ...	1023·3	+6	SW	1	c	52	85	7	5	7	-	7-8	9+	1500	1	*
	Upper Heyford	1024·3	+6	SWS	3	z.	48	97	6	5	-	-	9+	9+	220	0	*
4	Ross-on-Wye	1023·8	-4	S	3	c	52	85	8	5	4	7	2-3	9	4000	0	*
5	Bristol ...	1025·6	0	WSW	4	z.	49	97	6	5	-	-	9+	9+	450	1	*
	Portland Bill ...	1026·7	+4	WNW	3	c	50	92	8	4	7	-	7-8	10	2500	1	2
	Plymouth ...	1028·0	+6	WN	3	c	52	92	7	5	7	-	9	9+	800	0	1
	The Lizard ...	1028·7	0	WNW	2	c	49	97	8	4	-	-	9	9	2500	1	2
	Scilly (St. Mary's)	1029·0	0	W	3	c	50	92	8	5	-	-	9+	9+	2500	0	2
	Guernsey ..	1028·4	+4	W	2	0	50	97	7	5	-	-	10	10	2500	0	2
6	Pembroke ...	1025·9	+2	WS	5	F	48	97	1	-	-	-	10	10	⟨150	1	3
7	Holyhead ...	1022·6	+4	SWS	3	c	50 55	85	8	5	8	-	9+	9+	1500	1	2
	Chester (Sealand)	1022·8	+6	W	3	c	54	85	8	5	-	-	9+	9+	2500	1	*
8	Manchester ...	1021·8	+10	WS	4	Tr.	52	92	6	6	-	-	10	10	1500	1	*
10	Spurn Head ...	1017·6	-2	WN	6	c	52	92	6	5	-	-	10	10	2500	0	3
	Catterick ...	1017·6	0	WS	4	c	53	85	8	5	7	8	4-6	9+	1500	0	*
	Tynemouth ...	1014·3	-4	W	4	c	55	75	8	8	1	-	7-8	9+	1500	0	1
11	St. Abb's Head ..	1012·4	+8	W	6	q	54	85	8	3	7	-	4-6	9+	1500	0	4
	Leuchars ...	1010·5	+6	W	6	bc	54	85	8	8	7	2	4-6	4-6	1500	0	*
12	Renfrew (Abbotsl.)	1014·4	+6	W	6	d.d.	51	97	6	5	-	-	10	10	450	1	*
	Eskdalemuir ...	1015·2	+4	W	7	c	51	85	7	5	-	-	10	10	1500	1	*
	Point of Ayre ...	1018·6	+2	WN	5	c	52	85	8	5	-	-	9+	9+	1500	0	3
13A	Tiree	1013·6	+14	WSW	5	dd	50	97	6	-	2	-	10	10	800	1	3
13B	Stornoway ...	1006·2	+4	W	7	rr	51	97	5	5	2	-	7-8	10	1500	1	4
15	Dalwhinnie ...	1010·2	+14	WSW	6	ir.	49	92	7	4	6	-	4-6	10	1500	1	*
	Aberdeen ..	1007·6	+2	WSW	2	c	55	75	8	5	-	8	7-8	9+	2500	1	1
	Wick ...	1005·0	0	W.	3	rr	50	97	6	5	2	-	9	10	800	1	1
16	Lerwick ...	1006·0	0	S	1	c	39	85	8	5	2	-	9+	10	1500	1	*
17	Blacksod Point	1021·1	+8	W	4	ID	51	97	6	6	-	-	10	10	⟨150	1	3
18	Malin Head ...	1017·0	+8	SWW	6	c/d	51	97	5	6	-	-	9+	9+	800	0	4
	Aldergrove ...	1019·4	+14	WS	4	c	53	85	8	5	3	-	9	9+	1500	1	*
19	Birr Castle ...	1023·1	+2	W	2	c	53	85	8	5	-	-	9+	9+	1500	1	*
20	Valentia Obsy. †	1026·5	+6	SWW	4	dd	52	87	6	5	-	-	10	10	220	1	3
	Roches Point	1026·3	*	WSW	2	c	50	97	8	5	-	-	9	9	1500	1	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F.	Min. Night 18h–7h °F.	Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Rainfall. Night 18h–7h mm.	Sunshine 29th Hrs.
1	London (Kew)	63	49	46	-	-	5·1
	Croydon ...	63	49	46	-	-	5·4
	S. Farnborough	62	49	45	-	-	6·7
	Boscombe Down	57	48	46	-	-	1·4
	Calshot (Sthmtn.)	57	49	46	-	-	0·8
	Lympne ...	61	46	39	-	-	5·4
	Manston ...	64	47	44	Tr	-	6·3
2	Shoeburyness ...	64	49	45	-	-	4·2
	Felixstowe ...	63	48	46	-	-	5·3
	Gorleston ...	63	51	49	-	-	2·3
	Mildenhall ...	63	48	44	-	Tr	4·3
	Cranwell ...	61	50	48	-	-	0·4
3	Birmingham ...	60	50	48	Tr	-	1·4
	Upper Heyford	62	47	43	-	-	*
4	Ross-on-Wye	63	49	45	-	-	6·0
5	Bristol ...	55	47	46	-	Tr	0·4
	Portland Bill ...	50	46	*	-	-	*
	Plymouth ...	54	50	48	Tr	Tr	0·1
	The Lizard ...	52	48	*	Tr	-	*
	Scilly (St. Mary's)	53	48	*	0·1	-	1·0
	Guernsey ..	53	48	46	Tr	-	1·4
6	Pembroke ...	52	46	*	-	0·1	0·3
7	Holyhead ...	56	49	48	-	Tr	2·3
	Chester (Sealand)	59	54	51	0·1	Tr	1·1
8	Manchester ...	57	52	51	3	0·4	0·0
10	Spurn Head ...	55	51	*	-	-	0·3
	Catterick ...	57	51	49	-	Tr	1·3
	Tynemouth ...	60	54	43	-	-	1·4
11	St. Abb's Head ..	59	50	*	-	-	*
	Leuchars ...	55	50	47	-	Tr	2·8
12	Renfrew (Abbotsl.)	56	50	45	Tr	0·1	0·8
	Eskdalemuir ...	53	49	48	2	2	0·0
	Point of Ayre ...	59	49	*	-	-	1·0
13A	Tiree	51	50	49	0·1	0·6	0·0
13B	Stornoway ...	52	49	45	3	8	0·0
15	Dalwhinnie ...	53	48	48	3	2	0·8
	Aberdeen ..	62	50	43	Tr	0·3	1·3
	Wick ...	59	46	*	0·1	6	*
16	Lerwick ...	48	38	*	3	1	1·3
17	Blacksod Point	53	49	*	Tr	0·2	*
18	Malin Head ...	53	50	*	0·5	Tr	0·4
	Aldergrove ...	57	51	50	0·2	-	0·1
19	Birr Castle ...	56	51	*	1	-	0·0
20	Valentia Obsy. †	54	52	51	Tr	1	0·0
	Roches Point	55	50	*	-	Tr	*

LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—15h.

	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.c	cbc	bcbwbc	63	49	46	-	-	5·1	*	*	7
Croydon	217	cm.cbc	bcc,b	cm.wc	63	49	46	-	-	5·4	*	*	8
Greenwich (Royal Observatory)...	148	c	c	cbc	63	49	44	-	-	4·2	61	76	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	4·4	*	*	*
Westminster (St. James' Park) ...	37	*	*	*	65	50	46	-	-	4·5	61	81	*
Regents Pk. (Botanic Gardens)‡...	136	*	*	*	63	49	45	-	-	3·2	67	87	*
Camden Square	110	bcc	cbc	*	64	50	45	-	-	*	*	80	*
Kensington	80	bc	bc	*	65	50	46	-	-	5·1	At 12h 70	80	*
Hampstead Observatory ...	450	bc	bc	bc	62	48	40	-	-	5·0	*	90	*

FOREIGN OBSERVATIONS.

Stations.	18h G.M.T. 29th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 30th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1027·0	NW	2	0	52	1028·2	W	3	0	50
Brussels	1023·8	W	4	0	54	1024·2	W	3	z.	50
Berlin	1016·0	WSW	4	rr	48	1013·6	W	4	c/r	52
Zurich	1026·3	WNW	1	0	52	1028·2	SSE	1	z.	45
Rome										

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
54	48	-	-
54	48	-	-
48	46	2	3
55	43	-	-
*	*		

Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 30th

South Kensington. Max.	Time.	Min.	Time.
⟨0·3	whole period.		

Kew Observatory. Max.	Time.	Min.	Time.
0·1	18h 29th	⟨0·1	1–4h 30th

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 31 m.

COLUMN 30.—Code for State of Sea.

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

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S. Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‖ See disturbance reported from Dungeness.

AIR MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 31st March, 1938.

No. 27888.

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind. Direc. (3)	Wind. 0–12 Force (4)	Weather. (5)	°F. Temp. (6)	% Humid. (7)	Visibility 0–9 (8)	Cloud. Form. Low (9)	Form. Med. (10)	Form. High (11)	Amount. Low 0–10 (12)	Amount. Total 0–10 (13)	Height of Base (feet) (14)
1	London (Kew)	1024·6	+2	W	4	c	63	55	8	1	5	2	1	7-8	4000
	Croydon ...	1024·4	−2	WNW	4	c	65	65	8	1	4	3	1	9	4000
	S. Farnborough	1025·4	+2	W'S	5	c	62	65	8	5	3	9	4-6	7-8	2500
	Boscombe Down	1026·8	+4	W'N	6	ir$_o$	55	85	8	5	-	-	10	10	1500
	Calshot (Sthmtn.)	1026·4	0	W'N	4	c	59	65	8	5	4	-	9	9	2500
	Lympne ...	1024·7	−2	SW	3	c	60	75	8	1	9	2	1	7-8	2500
	Manston ...	1023·6	0	WNW	4	c	63	65	8	-	4	8	0	7-8	-
2	Shoeburyness ...	1023·8	−2	W'S	4	c	64	65	6	1	8	2	1	7-8	2500
	Felixstowe ...	1022·7	+2	W	4	bc	61	55	8	1	3	3	1	4-6	2500
	Gorleston ...	1021·0	+4	W'S	4	c	60	65	6	7	-	-	7-8	7-8	2500
	Mildenhall ...	1022·2	−1	WSW	5	bc	63	65	7	1	3	5	1	4-6	2500
	Cranwell ...	1021·2	+6	W	6	c	62	55	7	7	7	-	2-3	9	4000
3	Birmingham ...	1022·9	+2	WSW	3	c	60	65	8	7	4	2	7-8	9	2500
	Upper Heyford	1024·9	+6	WNW	4	c	62	65	8	7	3	9	2-3	9	2500
4	Ross-on-Wye	1024·4	0	W'S	3	bc	61	65	8	7	4	2	4-6	4-6	4000
5	Bristol ...	1026·6	+6	W	4	c	54	85	8	5	-	-	9+	9+	800
	Portland Bill ...	1027·1	+2	W	3	c	50	85	7	4	7	-	7-8	10	2500
	Plymouth ...	1029·1	+2	NW	3	r^p	55	85	8	9	-	-	9+	9+	1500
	The Lizard ...	1030·1	+4	W'N	4	c	54	85	7	4	2	-	7-8	9+	1500
	Scilly (St. Mary's)	1030·5	+4	W'N	4	o/d	52	92	8	5	-	-	10	10	1500
	Guernsey ...	1029·4	+2	W'N	4	c	56	75	9	8	-	-	9	9	2500
6	Pembroke ...	1027·8	+8	WSW	5	q	50	97	7	5	2	-	7-8	9	1500
7	Holyhead ...	1024·2	+6	SW'S	3	o	53	85	8	5	-	-	10	10	2500
	Chester (Sealand)	1023·3	−2	NW	5	c	59	75	8	1	7	7	4-6	9	2500
8	Manchester ...	1022·6	−2	WNW	6	c	57	75	8	7	3	-	4-6	9	2500
10	Spurn Head ...	1018·6	0	WNW	6	c	56	85	6	5	1	-	4-6	10	1500
	Catterick ...	1018·0	+4	W'S	7	c	55	75	8	-	9	5	0	7-8	-
	Tynemouth ...	1016·3	+10	W	5	q	57	75	6	8	-	-	7-8	7-8	1500
11	St. Abbs Head ...	1014·9	+12	W	6	q	56	85	8	3	7	-	4-6	9	2500
	Leuchars ...	1012·3	+4	W	6	c	60	75	9	8	7	8	4-6	7-8	1500
12	Renfrew (Abbotsl.)	1015·9	−2	W	6	id$_o$	53	92	7	5	3	-	9	9+	800
	Eskdalemuir ...	1015·0	+8	WSW	6	ir$_o$	52	85	7	5	-	-	9+	9+	1500
	Point of Ayre ...	1021·2	+4	W'N	5	c	59	75	8	5	-	9	9	9+	1500
13A	Tiree	1015·0	+4	SW	6	c	53	92	6	5	1	-	4-6	10	800
13B	Stornoway ...	1008·3	+4	WSW	7	d$_o$d$_o$	52	97	7	5	2	-	4-6	10	1500
15	Dalwhinnie ...	1013·2	+6	WSW	6	ir$_o$	51	85	7	4	2	-	4-6	9+	1500
	Aberdeen ...	1009·4	+10	W'N	6	c	65	55	8	1	4	8	2-3	7-8	2500
	Wick ...	1006·5	+10	W	6	c	56	85	8	8	7	-	7-8	9+	1500
16	Lerwick ...	1006·3	−4	SSE	2	c	39	92	7	8	2	-	7-8	10	800
17	Blacksod Point	1021·8	+2	WSW	5	c	54	85	7	5	-	-	10	10	1500
18	Malin Head ...	1018·3	+14	W	5	c/d	53	92	7	6	2	-	7-8	9+	1500
	Aldergrove ...	1021·1	+6	WSW	4	c	55	75	9	5	-	-	10	10	1500
19	Birr Castle ...	1025·1	+8	W	3	c	55	85	8	5	-	3	7-8	9	2500
20	Valentia Obsy. †	1027·6	+4	SW	4	c/d	53	85	8	5	-	-	10	10	1500
	Roches Point	1027·6	*	W	3	c	55	85	9	8	1	-	7-8	9+	1500

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

District	Stations. (For heights see p. 4.)	Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind. Direc. (17)	Wind. 0–12 Force (18)	Weather. (19)	°F. Temp. (20)	% Humid. (21)	Visibility 0–9 (22)	Cloud. Form. Low (23)	Form. Med. (24)	Form. High (25)	Amount. Low 0–10 (26)	Amount. Total 0–10 (27)	Height of Base (feet) (28)	State of Ground. 0–9 (29)	Sea. 0–9 (30)
1	London (Kew)	1024·7	+4	WSW	3	c	61	65	7	5	7	2	2-3	7-8	4000	0	*
	Croydon ...	1024·7	+6	W'N	3	c	61	65	6	-	6	1	0	7-8	-	0	*
	S. Farnborough	1025·3	+2	W'N	4	bc	57	75	8	-	5	1	0	4-6	-	0	*
	Boscombe Down	1026·3	+6	W'N	4	c	53	85	8	5	4	1	4-6	7-8	1500	0	*
	Calshot (Sthmtn.)	1026·5	+2	W'N	4	c	56	75	8	5	-	-	9+	9+	4000	1	2
	Lympne ...	1024·6	+4	W'N	3	c	59	75	8	5	9	1	2-3	7-8	4000	0	§ 2
	Manston ...	1023·4	+6	W'N	4	c	60	65	7	-	8	8	0	9	-	0	*
2	Shoeburyness ...	1023·6	+6	WSW	3	c	60	75	6	-	9	2	0	9	-	0	*
	Felixstowe ...	1022·8	+2	W'S	3	c	60	65	8	5	3	2	4-6	9	4000	0	2
	Gorleston ...	1021·7	+4	W'S	4	c	61	65	6	5	3	-	4-6	7-8	2500	0	2
	Mildenhall ...	1022·8	+8	SW'W	4	bc	60	65	8	4	3	1	2-3	7-8	4000	0	*
	Cranwell ...	1022·2	+10	W	4	c	58	75	7	4	7	-	4-6	10	2500	0	*
3	Birmingham ...	1024·2	+2	W	3	c	57	65	8	5	-	2	4-6	9	2500	1	*
	Upper Heyford	1025·3	+4	W'N	4	c	58	75	8	1	4	4	Tr	7-8	4000	0	*
4	Ross-on-Wye	1025·6	+4	W	3	c	56	75	8	5	-	2	7-8	7-8	2500	0	*
5	Bristol ...	1026·8	+2	W	4	c	52	92	7	5	-	-	9	9	800	0	*
	Portland Bill ...	1027·2	−6	W	2	c	50	92	8	4	7	-	7-8	10	2500	1	2
	Plymouth ...	1028·7	0	W'N	3	c	53	85	8	5	-	-	10	10	1500	0	1
	The Lizard ...	1029·4	0	W'N	3	c	50	92	7	8	7	-	7-8	9	1500	1	2
	Scilly (St. Mary's)	1029·7	−4	NW'W	3	c	51	85	8	5	-	-	10	10	1500	1	2
	Guernsey ...	1029·0	−2	W'N	3	c	50	92	8	8	-	-	10	10	2500	0	2
6	Pembroke ...	1027·0	−4	WSW	5	q	48	97	8	5	-	-	9+	9+	2500	1	3
7	Holyhead ...	1024·0	0	SW'S	3	c	51	85	9	5	-	-	10	10	2500	1	2
	Chester (Sealand)	1024·0	+6	WSW	3	c	57	75	8	5	7	-	7-8	9+	2500	1	*
8	Manchester ...	1023·5	+8	SW	4	z$_o$	56	75	6	5	3	-	9	10	1500	1	*
10	Spurn Head ...	1020·1	+6	W'N	6	c	53	92	6	5	-	-	9+	9+	1500	0	4
	Catterick ...	1019·7	+18	W'S	5	c	54	85	8	5	7	6	2-3	7-8	2500	0	*
	Tynemouth ...	1017·1	+4	W	3	q	58	65	7	8	4	-	2-3	4-6	1500	0	2
11	St. Abbs Head ...	1014·2	−4	W	6	q	54	85	8	3	7	-	4-6	9+	2500	0	4
	Leuchars ...	1013·3	+4	WSW	5	c	54	85	8	8	-	-	9	9	1500	0	*
12	Renfrew (Abbotsl.)	1016·3	+6	W'N	6	c/d	53	92	7	5	-	-	7-8	7-8	1500	1	*
	Eskdalemuir ...	1017·3	−8	WSW	6	ir$_o$	52	85	8	5	-	-	9+	9+	1500	1	*
	Point of Ayre ...	1021·1	0	W	5	c	54	85	8	8	-	-	10	10	1500	0	3
13A	Tiree	1014·4	−6	SW'W	6	z$_o$	51	92	6	5	-	-	10	10	800	0	4
13B	Stornoway ...	1007·7	−6	WSW	7	id	52	97	6	5	2	-	7-8	10	1500	1	4
15	Dalwhinnie ...	1012·2	−4	SW	5	c	50	85	7	4	6	2	4-6	10	2500	0	*
	Aberdeen ...	1010·8	+14	W'S	3	c	59	65	7	4	-	8	7-8	9	2500	0	1
	Wick ...	1006·8	0	W	6	c	55	85	8	8	1	-	7-8	9+	1500	1	3
16	Lerwick ...	1003·0	−16	S	2	rr	43	97	6	6	2	-	9	10	450	1	*
17	Blacksod Point	1020·8	−8	WSW	6	c	53	85	8	5	-	-	10	10	2500	1	4
18	Malin Head ...	1018·0	−2	W	5	c	53	97	6	8	-	-	9+	9+	1500	0	4
	Aldergrove ...	1020·4	−2	SW'S	4	c	54	85	8	5	-	-	9+	9+	1500	1	*
19	Birr Castle ...	1024·1	−6	W	2	c	55	75	8	5	-	-	9+	9+	1500	1	*
20	Valentia Obsy. †	1026·6	−6	SW'W	4	id	51	92	6	5	-	-	10	10	450	1	3
	Roches Point	1026·5	*	W	3	c	52	92	9	5	-	-	7-8	7-8	2500	1	2

PAST 24 HOURS.

District	Stations. (For heights see p. 4.)	Weather. 7h.–18h. 30th (37)	Weather. 18h.–18h. 30th (38)	Weather. 18h. 30th to 1h. 31st (39)	Weather. 1h.–7h. 31st (40)
1	London (Kew)	bccy	cybc	bcb	c
	Croydon ...	bcc	cbc	cz$_o$m$_o$w$_e$	cm$_o$c
	S. Farnborough	cbc	bcbbc	bcbbc	bcc
	Boscombe Down	pbccir$_o$	cir$_c$cbc	bcb id$_o$	c
	Calshot (Sthmtn.)	c	cbcc	c	c
	Lympne ...	cm$_o$bc	cbc	cbw	bwm$_o$c
	Manston ...	cbc	bcc	bbm$_o$w	bwcm$_o$
2	Shoeburyness ...	cm$_o$bcz$_o$	bcycz$_o$	cz$_o$bm$_o$w	bm$_o$wm
	Felixstowe ...	cbcvy	bcvyc	cbcb	bwbm$_o$
	Gorleston ...	uqz$_o$	cq	cbc	bcb
	Mildenhall ...	cbc	bccbc	bcb	bwm$_o$
	Cranwell ...	bcc	c	cbcb	bbcb
3	Birmingham ...	c'	cbcc	c	c
	Upper Heyford	cm$_o$c	cbc	bcc	c
4	Ross-on-Wye	cbc	c	cbc	bcbw
5	Bristol ...	com$_o$	c	cm$_o$	cm$_o$
	Portland Bill ...	cc	c	c	c
	Plymouth ...	cid$_o$m$_o$	cpr$_o$c	cd$_o$d$_o$id$_o$	cid$_o$m$_o$
	The Lizard ...	p'd$_o$c	c	cidm$_o$	cid$_o$o
	Scilly (St. Mary's)	cold$_o$c	c	cid$_o$c	id$_o$Fe
	Guernsey ...	pc	cbcc	c	cor$_o$
6	Pembroke ...	qFeFem$_o$c	cq	cqbcb	cqffid$_o$c
7	Holyhead ...	c	c	c	c
	Chester (Sealand)	cbcc	c	cbc	bcb
8	Manchester ...	cr$_o$m$_o$c	cz$_o$	cz$_o$m$_o$	cm$_o$bc
10	Spurn Head ...	cq	coq	cbc	bbc
	Catterick ...	c	bcc	cbcb	bbc
	Tynemouth ...	cq	cbcq	bcq	bcq
11	St. Abbs Head ...	cq	cq	bcqc	bcq
	Leuchars ...	bcqcq⊕	cbcq	cb'cq	bcq'cq
12	Renfrew (Abbotsl.)	cid$_o$	cid$_o$m$_o$c	cid$_o$m$_o$	cid$_o$m$_o$
	Eskdalemuir ...	cir$_o$	cir$_o$	ir$_o$	ir$_o$m$_o$
	Point of Ayre ...	c	c	cbcc	bbcc
13A	Tiree	idm$_o$c	cm$_o$	cm$_o$	ordrd
13B	Stornoway ...	cc$_o$r$_o$	cd$_o$id$_o$	crrm$_o$	c
15	Dalwhinnie ...	cir	ciro	*	cir
	Aberdeen ...	cbcy	bcyc	cbbc	bcc
	Wick ...	rrprc	c	c	c
16	Lerwick ...	crr	ddrrm$_o$	cirbc	bc PRc
17	Blacksod Point	iDq	cq	idq	idq
18	Malin Head ...	cidc	cz$_o$	c	c
	Aldergrove ...	c	c	cbcc	om$_o$d$_o$d$_o$
19	Birr Castle ...	c	c	c	c
20	Valentia Obsy. †	addidc	cid$_o$oid	oido	oide
	Roches Point	c	c	cold	oidc

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

COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. 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.

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 . . Ground covered with thawing snow.
7 . . „ 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.

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.*

† Sea disturbance reported from Dungeness.

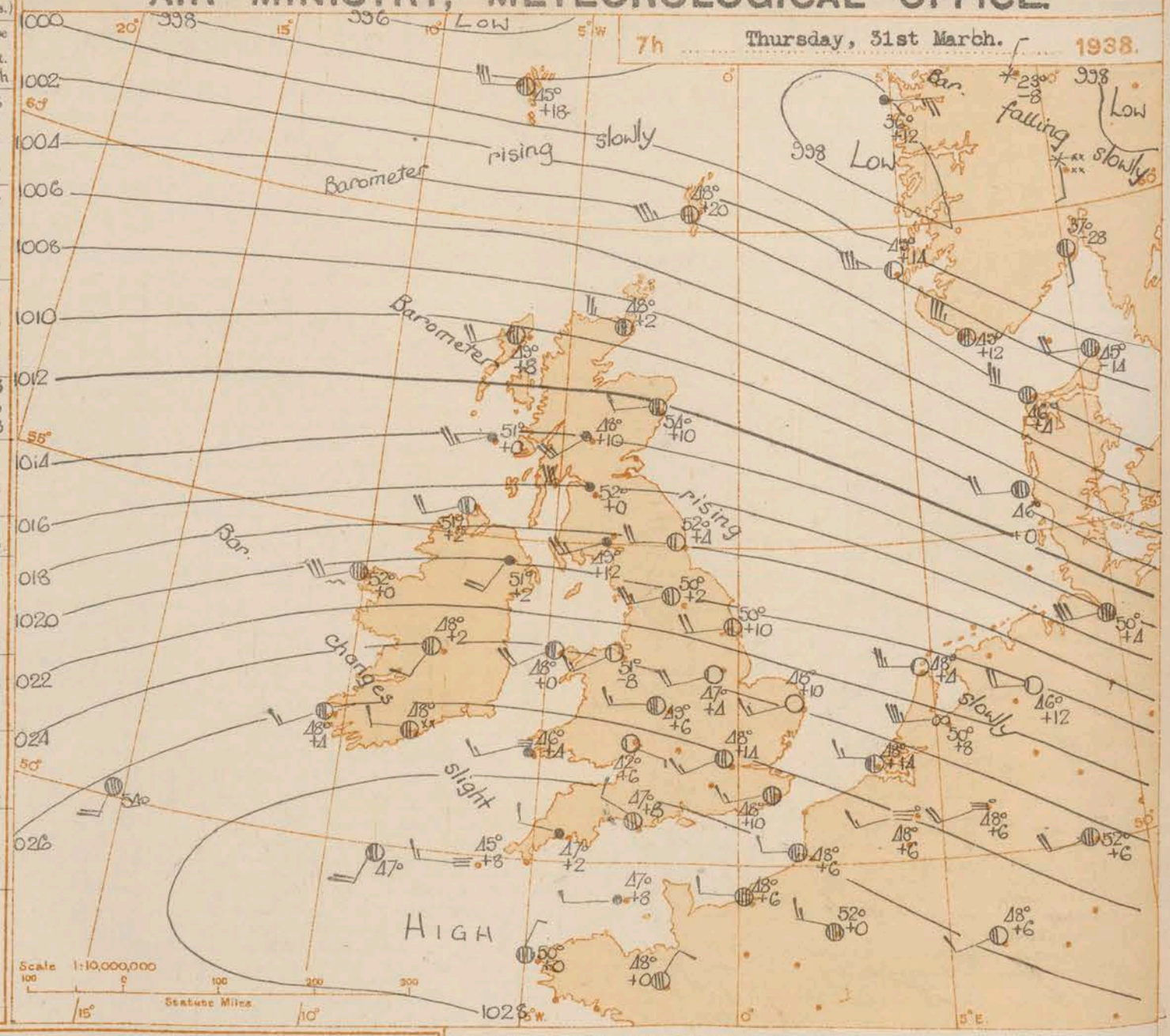
REPORTS from HEALTH RESORTS for 30th March 1938.

Districts.	Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature (°F.) Min. 9h. 29th to 9h. 30th.	Temperature (°F.) Max. 9h.—17h. 30th.	Rainfall (mm.) Night. 17h. 29th to 9h. 30th.	Rainfall (mm.) Day. 9h.—17h. 30th.	Sunshine (Hrs.) Sunrise to 17h. 30th.	Sunshine (Hrs.) Sunrise to Sunset. 29th.
1	Tunbridge W.	bcc	cbc	48	64	-	-	6·4	6·8
	Bournemouth	c	bcc	50	61	-	-	1·6	2·1
	Ventnor ...	boc	cbcu	48	57	-	-	5·5	3·5
	Southsea ...	bcb	b	50	61	-	-	5·0	1·1
	Bognor Regis	bc	bcb	50	61	-	-	7·1	3·9
	Littlehampton	cbc	bc	50	63	-	-	5·8	4·4
	Worthing ...	bcb	b	50	62	-	-	7·3	5·9
	Brighton ...	bc	bcb	48	56	-	-	5·7	5·4
	Eastbourne† ...	bc	bc	48	58	-	-	6·8	8·0
	Hastings† ...	bc	bbc	48	58	-	-	6·5	7·0
	Folkestone ...	cbcc	cbcb	48	64	-	-	4·3	4·9
	Dover ...	bcc	cbc	48	63	-	-	6·4	5·2
	Deal	cb	bcc	49	68	-	-	7·5	5·7
	Ramsgate ...	bc	bc	53	67	-	-	8·3	6·3
	Margate ...	bc	bc	49	64	-	-	7·3	6·2
2	Southend ...	c	cbcc	48	68	Trace	-	6·4	4·3
	Clacton-on-Sea	bc	bcy	48	66	-	-	6·6	5·0
	Dovercourt ...	bcv	bcv	48	65	-	-	6·1	6·3
	Lowestoft ...	bcc	bcc	50	67	-	-	4·9	3·3
	Skegness ...	cbc	bcc	49	64	-	-	1·5	0·4
	Mablethorpe ...	cbcc	bcc	52	62	-	-	1·0	0·8
	Cleethorpes ...	c	c	53	61	-	-	0·0	0·3
3	Leamington S.	c	bc	48	65	-	-	4·8	2·9
4	Cheltenham†	c	cbcc	48	61	-	-	1·5	3·0
5	Bath	cbc	cbcb	49	58	-	-	2·0	0·0
	Weymouth ...	c	c	49	57	-	-	0·3	1·1
	Jersey ...	c	c	48	56	-	-	0·2	0·1
	Torquay ...	c	co	51	61	-	-	0·9	1·5
	Falmouth	od₀co	c	50	57	Trace	Trace	0·3	1·7
	Penzance ...	d₀c	c	50	57	Trace	-	1·8	0·5
	St. Ives ...	c	c	44	59	-	-	4·6	0·0
	Bude... ...	mdco	o	48	54	1	-	0·3	0·0
	Ilfracombe ...	odom	odco	48	53	Trace	0·1	0·0	0·2
6	Aberystwyth	c	c	47	49	-	-	0·0	0·0
7	Llandudno ...	bc	c	50	56	-	-	4·3	2·1
	Colwyn Bay...	bcb	bcc	54	60	-	-	3·2	1·1
	Rhyl	cbcc	cbc	53	60	-	-	3·0	0·8
8	Wallasey ...	cbc	bcc	51	56	Trace	-	3·1	0·2
	Southport ...	c	c	50	56	Trace	-	0·8	0·1
	Blackpool ...	cm₀co	com₀	49	55	-	-	1·6	0·0
	Morecambe ...	cbbc	cbbcc	48	55	-	-	3·0	0·2
9	Ilkley... ...	c	c	51	55	0·6	-	0·0	0·0
	Harrogate ...	cq	cbcq	50	55	Trace	-	0·1	0·9
10	Berwick-on-T.	c	c	52	57	-	-	0·9	1·5
11	Dunbar ...	cm₀	cm₀	50	57	-	-	0·2	1·0
12	Troon... ...	co	coc	45	54	1	-	0·1	0·3
	Douglas ...	bc	bc	49	59	-	-	6·8	0·1

† Max. Temp. for period 21h. yesterday to 17h. to-day. Min. Temp. 21h.–9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday, 31st March. 1938.



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. 31st March, 1938.
1 S.E. England 2 E. England ... 3 E. Midlands ...	Light or moderate westerly winds; bright periods; mild.
4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ...	Light or moderate west to southwest winds; cloudy, local drizzle and coast fog; mild.
8 N.W. England 9 N. Midlands ...	Fresh or strong west winds; cloudy, occasional drizzle or light rain; rather mild.
10 N.E. England 11 S.E. Scotland	Moderate or fresh west winds; mainly cloudy; mild.
12 S.W. Scotland & Isle of Man.	Fresh or strong west to southwest wind; occasional rain; average temperature.
13 A. W. Scotld. B.N.W.Scotland.	As 15 - 16.
14 Mid Scotland	As 12 - 13A.
15 N. E. Scotland 16 Orkney and Shetland	Moderate or fresh westerly wind; showers; bright periods; average temperature.
17 N. W. Ireland 18 N. E. Ireland	Fresh or strong west to southwest winds; cloudy, occasional rain or drizzle; mild.
19 S. E. Ireland 20 S. W. Ireland	Moderate west to southwest winds; cloudy, local drizzle; mild.

GENERAL INFERENCE.

Pressure continues high over France and the Bay of Biscay and low between Iceland and the Baltic. Weather will be fair in the Southeast and East and there will be occasional drizzle in the western counties. In Scotland weather will be unsettled and cooler with occasional rain.

FURTHER OUTLOOK.

Little change in the South and Southeast; unsettled with rain at times in the North and Northwest.

Time of issue of Gale Warning.

▼ South cone hoisted at 1855 on 30th in districts 13A, 13B, 14, 15, 16, and 18.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2

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.

Morning of

THURSDAY, 31ST MARCH.

1938.

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.

Statute Miles. 0 1 2 3 4 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

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

TEMPERATURES 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

Thursday, 31st March, 1938.
No. 27888.

OBSERVATIONS at 1 hr. G.M.T. 31st March

District	Stations	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humid. %	Visibility. 0–9	Cloud. Form. Low	Cloud. Form. Med.	Cloud. Form. High	Cloud. Amount. Low 0–10	Cloud. Amount. Total 0–10	Height of Base. (feet)
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Croydon ...	217	1026·4	+6	W'S	3	c	50	92	6	5	–	–	10	10	1500
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lympne ...	346	1026·5	+4	W	3	b	47	92	6	–	–	–	0	0	–
	Manston ...	142	1025·4	+4	W'N	2	b	48	92	6	–	–	–	0	0	–
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Gorleston ...	5	1022·6	+4	W'S	2	bc	51	75	6	–	4	–	0	2-3	–
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5	Bristol ...	209	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Portland Bill ...	32	1027·8	0	NW	2	c	49	85	8	4	–	–	10	10	2500
	Plymouth ...	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Lizard ...	240	1030·2	0	W	2	id.	47	97	7	5	–	–	10	10	1500
	Scilly (St. Mary's)	163	1029·9	–2	W	3	c	47	97	7	5	–	–	9+	9+	1500
	Guernsey ...	175	1029·2	0	WNW	2	c	49	92	7	8	–	–	10	10	2500
6	Pembroke ...	142	1027·8	+8	SW'W	5	q	48	92	7	5	–	–	1	1	2500
7	Holyhead ...	26	1024·4	–2	SW'W	4	c	49	85	8	5	–	–	9+	9+	2500
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	Spurn Head ...	29	1020·5	0	W	4	bc	51	92	7	5	–	–	2-3	2-3	4000
	Catterick ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Tynemouth ...	108	1017·6	0	W	4	q	55	75	7	2	–	–	4-6	4-6	1500
11	St. Abbs Head ...	280	1013·5	–4	W	8	q	54	85	8	5	8	9	4-6	7-8	2500
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Point of Ayre ...	30	1021·4	0	W	6	c	51	85	8	–	2	–	0	7-8	–
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13B	Stornoway ...	80	1009·5	+16	W	6	c	49	85	7	5	7	–	4-6	7-8	2500
15	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wick ...	81	1006·6	+16	W	6	c/r	52	85	8	8	7	–	7-8	9	1500
16	Lerwick ...	156	1003·8	–12	WSW	7	bc/r	48	92	7	8	7	–	4-6	4-6	1500
17	Blacksod Point	18	1021·2	–6	WSW	6	id.	51	92	6	6	–	–	10	10	1150
18	Malin Head ...	84	1017·8	0	SW'W	5	c	51	92	7	5	–	–	9+	9+	1500
	Aldergrove ...	268	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19	Birr Castle ...	173	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20	Valentia Obsy. †	30	1026·7	0	SW	4	id.	49	92	7	5	–	–	10	10	800
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*

OBSERVATIONS at 7 hr. G.M.T. 31st March

District	Stations	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humid. %	Visibility. 0–9	Cloud. Form. Low	Cloud. Form. Med.	Cloud. Form. High	Cloud. Amount. Low 0–10	Cloud. Amount. Total 0–10	Height of Base (feet)	State of Ground. 0–9	Sea. 0–9
		(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1	London (Kew)	1027·2	+10	WSW	3	c	50	75	7	5	–	–	10	10	2500	0	*
	Croydon ...	1027·2	+14	WSW	3	c	48	85	7	5	–	–	7-8	9+	1500	0	*
	S. Farnborough	1027·4	+12	W'N	3	c	48	85	8	5	–	–	9+	9+	1500	0	*
	Boscombe Down	1027·9	+12	WNW	4	c	47	85	8	5	–	–	9+	9+	800	0	*
	Calshot (Sthmtn.)	1028·0	+10	W'N	3	c	48	75	8	5	–	–	9+	9+	1500	1	1
	Lympne ...	1027·6	+10	W'S	3	c	48	85	8	5	–	–	9+	9+	1500	0	§1
	Manston ...	1026·3	+10	W	3	c	49	92	7	5	3	–	7-8	7-8	2500	0	*
2	Shoeburyness ...	1026·2	+10	W'S	2	m	48	85	4	–	4	–	0	Tr	–	1	*
	Felixstowe ...	1025·4	+12	SW'W	2	zo	49	85	6	–	–	–	0	0	–	0	2
	Gorleston ...	1023·7	+10	WSW	3	b	48	85	7	–	–	–	0	0	–	0	2
	Mildenhall ...	1024·9	+6	WSW	4	zo	46	92	6	5	–	–	Tr	Tr	4000	1	*
	Cranwell ...	1023·4	+4	WSW	4	b	47	92	7	–	4	–	0	Tr	–	1	*
3	Birmingham ...	1025·8	+6	W	3	c	49	75	8	5	–	–	7-8	7-8	2500	1	*
	Upper Heyford	1026·8	+10	SW'W	3	c	47	85	7	5	–	–	7-8	7-8	2500	0	*
4	Ross-on-Wye	1026·6	+6	SE	1	b	42	92	8	4	–	–	1	1	4000	0	*
5	Bristol ...	1027·7	+6	WSW	4	c	47	97	7	5	–	–	9	9	800	0	*
	Portland Bill ...	1028·4	+8	NW	2	c	47	92	8	4	4	–	7-8	10	2500	1	2
	Plymouth ...	1029·1	+2	WNW	2	id.	47	97	6	5	–	–	10	10	1500	0	1
	The Lizard ...	1029·8	+12	WNW	2	o/d	46	97	7	5	–	–	10	10	1500	1	2
	Scilly (St. Mary's)	1029·7	+8	W'N	3	if	45	97	2	–	–	–	0	0	–	1	2
	Guernsey ...	1029·8	+8	W	1	r.r.	47	97	6	5	–	–	10	10	2500	1	2
6	Pembroke ...	1027·6	+4	WSW	3	dr	46	97	2	5	–	–	9+	9+	1500	1	3
7	Holyhead ...	1024·1	0	SW	4	c	48	85	9	5	–	–	7-8	7-8	2500	1	2
	Chester (Sealand)	1023·9	–8	SW'W	3	b	51	75	8	5	–	–	Tr	Tr	5700	1	*
8	Manchester ...	1023·7	0	WSW	2	bc	48	85	7	5	4	–	2-3	2-3	4000	1	*
10	Spurn Head ...	1021·4	+10	W'S	4	bc	50	92	6	–	–	5	0	2-3	–	0	3
	Catterick ...	1019·9	+2	WSW	5	c	50	85	8	5	–	–	7-8	7-8	1500	0	*
	Tynemouth ...	1017·8	+4	W	4	q	52	85	7	9	–	–	4-6	4-6	800	0	2
11	St. Abbs Head ...	1014·9	0	W	7	q	53	85	8	8	7	9	4-6	7-8	2500	0	4
	Leuchars ...	1014·5	+4	SW	5	c	52	92	8	5	7	–	9	10	1500	0	*
12	Renfrew (Abbotsl.)	1016·1	0	W	6	id.	52	92	6	5	–	–	0	10	450	1	*
	Eskdalemuir ...	1018·5	+12	SW'W	5	ir.	49	92	6	6	–	–	0	10	800	1	*
	Point of Ayre ...	1020·8	–2	W'N	6	c	50	92	8	5	7	–	–	9	800	0	3
13A	Tiree	1014·5	0	SW'W	5	r.r.	51	97	5	–	2	–	0	10	450	1	3
13B	Stornoway ...	1010·9	+8	WSW	4	c	49	85	7	5	7	–	7-8	9+	2500	1	2
15	Dalwhinnie ...	1014·3	+10	SW	5	ir	48	92	6	5	6	–	4-6	10	1500	1	*
	Aberdeen ...	1012·1	+10	W'S	2	c	54	75	8	5	4	9	2-3	9	2500	0	1
	Wick ...	1008·6	+2	WNW	5	c	48	85	8	5	7	1	4-5	7-8	1500	1	2
16	Lerwick ...	1003·9	+20	WSW	7	c	48	75	8	5	7	5	2-3	7-8	1500	1	*
17	Blacksod Point	1020·7	0	SW	6	q	52	92	7	5	–	–	10	10	450	1	4
18	Malin Head ...	1017·8	+2	SW'W	4	c	51	92	7	5	–	–	9+	9+	2500	0	3
	Aldergrove ...	1020·7	+2	SSW	4	id.	51	92	6	–	2	–	10	10	800	1	*
19	Birr Castle ...	1024·4	+2	SSW	2	c	48	92	8	5	7	–	7-8	9	1500	1	*
20	Valentia Obsy. †	1026·5	+4	SWS	3	c	49	97	8	5	–	–	9+	9+	800	1	3
	Roches Point	1027·1	*	V	2	q/d	48	97	8	5	–	–	9	9	1500	1	2

PAST 24 HOURS.

District	Stations	Temperature. Max. Day 7h–18h °F.	Temperature. Min. Night 18h–7h °F.	Temperature. Min. on Grass °F.	Rainfall. Day 7h–18h mm.	Rainfall. Night 18h–7h mm.	Sunshine 30th Hrs.
		(31)	(32)	(33)	(34)	(35)	(36)
1	London (Kew)	64	49	43	–	–	7·8
	Croydon ...	66	48	45	–	–	7·4
	S. Farnborough	64	47	43	–	–	5·1
	Boscombe Down	58	45	45	Tr	–	4·7
	Calshot (Sthmtn.)	61	48	47	–	–	3·7
	Lympne ...	65	45	40	–	–	5·7
	Manston ...	66	44	39	–	–	7·7
2	Shoeburyness ...	68	47	41	–	–	7·2
	Felixstowe ...	63	46	40	–	–	5·5
	Gorleston ...	66	47	45	–	–	5·0
	Mildenhall ...	66	45	37	–	Tr	5·5
	Cranwell ...	64	46	43	–	–	2·6
3	Birmingham ...	62	47	43	–	–	1·4
	Upper Heyford	65	45	39	–	–	*
4	Ross-on-Wye	65	41	29	–	–	3·8
5	Bristol ...	56	46	45	–	–	1·0
	Portland Bill ...	53	46	*	–	–	*
	Plymouth ...	56	47	45	Tr	Tr	0·4
	The Lizard ...	55	45	*	Tr	Tr	0·5
	Scilly (St. Mary's)	55	45	*	Tr	Tr	0·9
	Guernsey ...	58	46	46	–	0·2	1·6
6	Pembroke ...	50	45	*	–	0·4	0·1
7	Holyhead ...	55	48	44	–	–	0·2
	Chester (Sealand)	61	50	44	–	–	3·1
8	Manchester ...	60	47	41	0·1	–	2·9
10	Spurn Head ...	56	48	*	–	–	0·0
	Catterick ...	57	49	46	–	–	1·2
	Tynemouth ...	61	52	38	–	–	2·9
11	St. Abbs Head ...	59	43	*	–	–	*
	Leuchars ...	62	51	49	–	–	4·7
12	Renfrew (Abbotsl.)	54	51	50	Tr	0·1	0·8
	Eskdalemuir ...	53	48	47	Tr	1	0·0
	Point of Ayre ...	62	48	*	–	–	4·2
13A	Tiree	53	50	49	0·1	1	0·4
13B	Stornoway ...	53	48	*	0·4	1	0·0
15	Dalwhinnie ...	52	48	45	0·3	2	1·9
	Aberdeen ...	66	54	47	–	–	3·8
	Wick ...	57	46	*	3	–	*
16	Lerwick ...	44	42	*	5	3	0·0
17	Blacksod Point	55	50	*	0·2	0·5	*
18	Malin Head ...	54	50	*	Tr	Tr	0·6
	Aldergrove ...	55	49	48	–	Tr	0·0
19	Birr Castle ...	57	48	*	–	–	0·4
20	Valentia Obsy. †	54	47	47	0·2	0·1	0·4
	Roches Point	56	48	*	–	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.
Kew	18	bccy	cybc	bcb,c	64	49	43	–	–	7·8	*	*	7
Croydon	217	bcc	cbc	cmowcmc	66	48	45	–	–	7·4	*	*	7
Greenwich (Royal Observatory)...	149	c	cy	cbc	67	47	39	–	–	7·3	55	71	7
City (Bunhill Row)	—	*	*	*	*	*	*	*	*	6·0	*	*	*
Westminster (St. James' Park) ...	27	*	*	*	67	48	41	–	–	6·6	61	74	*
Brockwell Pk. (Botanic Gardens)‡...	166	*	*	*	65	48	44	–	–	5·4	68	79	*
Camden Square	110	bc	bc	*	67	48	40	–	–	*	*	70	*
Kensington	80	bc	bc	*	66	51	41	–	–	7·8	62	70	*
Hampstead Observatory	450	bc	b	bc	64	45	39	–	–	6·5	*	83	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 31st...

South Kensington. Max.	Time	Min.	Time.
<0·3	Whole period.		

Kew Observatory. Max.	Time.	Min.	Time.
0·2	19h 30th	<0·1	3-5h 31st

FOREIGN OBSERVATIONS.

Stations.	18h. G.M.T. 30th March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.	7h. G.M.T. 31st March. Barom. mb.	Wind. Direc.	Wind. Force.	Weather.	Temp. °F.
Paris	1026·4	WNW	4	c	57	1028·3	WNW	3	0	52
Brussels	1024·3	W'S	3	0	54	1026·0	WSW	3	m	48
Berlin	1011·9	W	5	d.d.	52	1014·2	W	5	c	52
Zurich	1026·6	NW	1	c	57	1029·0	S	1	c	48
Rome	1022·3	W	3	b	57	1023·9	NNE	1	m	48

Past 24 Hours.

Max. Day °F.	Min. Night °F.	Rainfall. Day mm.	Rainfall. Night mm.
63	52	–	–
*	48	–	–
55	50	2	7
64	46	–	–
*	*	–	–

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 ft 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 3, 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	½ miles.
5 Poor visibility	2½ ,,
6 Moderate ,,	6½ ,,
7 Good ,,	12½ ,,
8 Very good ,,	31 ,,
9 Excellent ,,	beyond 31m.

COLUMN 30.—Code for State of Sea.

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

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

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

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.